

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057208.D
 Acq On : 12 Aug 2019 11:47
 Operator : JC/SP
 Sample : VN0812WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Quant Time: Aug 13 01:40:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	165693	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	889965	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	774093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	319979	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.92	95	332806	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	9.56	98	1081974	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	184350	20.398	ug/l 99
3) Chloromethane	2.00	50	205490	19.628	ug/l 99
4) Vinyl Chloride	2.11	62	199880	18.767	ug/l 99
5) Bromomethane	2.44	94	148463	19.568	ug/l 99
6) Chloroethane	2.55	64	132884	19.241	ug/l 99
7) Trichlorofluoromethane	2.83	101	312050	19.650	ug/l 98
8) Diethyl Ether	3.14	74	114591	19.360	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	188467	19.619	ug/l 89
10) 1,1-Dichloroethene	3.43	96	182128	19.176	ug/l 96
11) Methyl Iodide	3.63	142	285699	19.278	ug/l 97
12) Methyl Acetate	3.89	43	211111	21.338	ug/l 97
13) Acrolein	3.31	56	94495	86.604	ug/l 97
14) Acrylonitrile	4.45	53	409698	99.253	ug/l 99
15) Acetone	3.47	58	117564	85.816	ug/l 97
16) Carbon Disulfide	3.72	76	480290	18.745	ug/l 99
17) Allyl chloride	3.91	41	254601	18.183	ug/l 97
18) Methylene Chloride	4.10	84	206732	19.199	ug/l 98
19) trans-1,2-Dichloroethene	4.50	96	192315	18.887	ug/l 96
20) Diisopropyl ether	5.32	45	565159	19.791	ug/l 97
21) 1,1-Dichloroethane	5.25	63	347149	19.519	ug/l 98
22) cis-1,2-Dichloroethene	6.21	96	227536	19.633	ug/l 100
23) tert-Butyl Alcohol	4.24	59	137285	100.787	ug/l # 100
24) Methyl tert-Butyl Ether	4.49	73	551951	19.762	ug/l 99
25) Chloroform	6.76	83	360319	19.702	ug/l 100
26) Cyclohexane	7.07	56	291762	19.189	ug/l # 100
29) 1,1-Dichloropropene	7.20	75	265771	19.858	ug/l 99
30) 2-Butanone	6.20	43	510992	96.979	ug/l # 97
31) 2,2-Dichloropropane	6.21	77	282197	19.721	ug/l 100
32) 1,1,1-Trichloroethane	6.98	97	311347	20.088	ug/l 100
33) Carbon Tetrachloride	7.18	117	274305	19.881	ug/l 97
34) Benzene	7.46	78	810587	19.841	ug/l 99
35) Methacrylonitrile	6.55	41	113715	21.353	ug/l 97
36) 1,2-Dichloroethane	7.54	62	267446	20.492	ug/l 98
37) Trichloroethene	8.27	130	231804	19.967	ug/l 97
38) Methylcyclohexane	8.53	83	312634	19.575	ug/l 99
39) 1,2-Dichloropropane	8.56	63	211647	20.098	ug/l 93
40) Dibromomethane	8.65	93	137751	20.319	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	269302	19.978	ug/l	99
42) Vinyl Acetate	5.26	43	2200518	100.458	ug/l	100
43) Ethyl Acetate	6.28	43	214453	22.068	ug/l #	85
44) Isopropyl Acetate	7.56	43	373812	21.186	ug/l	98
45) 1,4-Dioxane	8.64	88	68160	413.953	ug/l	98
46) Methyl methacrylate	8.64	41	161206	20.039	ug/l	95
47) n-amyl Acetate	11.59	43	244895	18.865	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	287006	19.967	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	320363	19.661	ug/l	100
50) 1,1,2-Trichloroethane	10.04	97	197479	20.381	ug/l	98
51) Ethyl methacrylate	9.90	69	273591	20.009	ug/l	99
52) 1,3-Dichloropropane	10.19	76	322948	19.996	ug/l	99
53) Dibromochloromethane	10.39	129	220820	20.225	ug/l	99
54) 1,2-Dibromoethane	10.50	107	208680	20.632	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	343922	89.081	ug/l	99
56) Bromoform	11.64	173	162778	20.176	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1023337	102.907	ug/l	99
59) 2-Hexanone	10.24	43	714286	99.908	ug/l	99
61) Tetrachloroethene	10.11	164	241092	20.292	ug/l	97
62) Toluene	9.63	91	889774	20.194	ug/l	99
64) Chlorobenzene	10.93	112	537273	19.825	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	211282	20.330	ug/l	98
66) Ethyl Benzene	11.01	91	933935	19.774	ug/l	99
67) m/p-Xylenes	11.13	106	702354	39.433	ug/l	99
68) o-Xylene	11.46	106	344653	19.931	ug/l	99
69) Styrene	11.47	104	535000	19.294	ug/l	100
70) Isopropylbenzene	11.77	105	919677	19.754	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	255527	20.040	ug/l	100
72) 1,2,3-Trichloropropane	12.08	75	311618	27.923	ug/l	60
73) Bromobenzene	12.05	156	239895	19.871	ug/l	94
74) n-propylbenzene	12.11	91	922165	18.868	ug/l	100
75) 2-Chlorotoluene	12.20	91	602087	19.917	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	759525	19.375	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	71069	18.923	ug/l	97
78) 4-Chlorotoluene	12.30	91	527870	18.801	ug/l	100
79) tert-butylbenzene	12.52	119	681355	19.720	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	697231	18.860	ug/l	99
81) sec-Butylbenzene	12.70	105	821140	18.849	ug/l	99
82) p-Isopropyltoluene	12.82	119	706514	18.213	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	332163	18.070	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	302957	17.717	ug/l	99
85) n-Butylbenzene	13.15	91	481754	17.176	ug/l	99
86) Hexachloroethane	13.41	117	132799	18.827	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	334964	18.375	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	33316	18.622	ug/l	96
89) 1,2,4-Trichlorobenzene	14.45	180	92992	17.529	ug/l	99
90) Hexachlorobutadiene	14.55	225	149928	19.077	ug/l	99
91) Naphthalene	14.67	128	168374	12.168	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	98571	18.467	ug/l	97

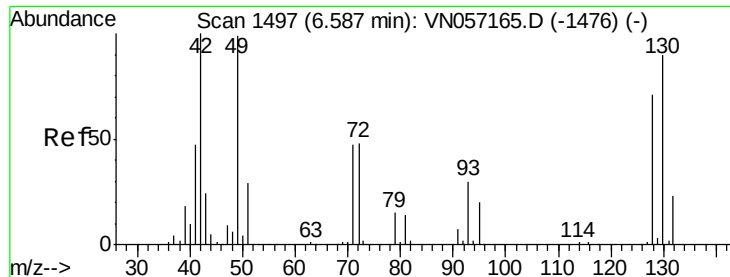
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

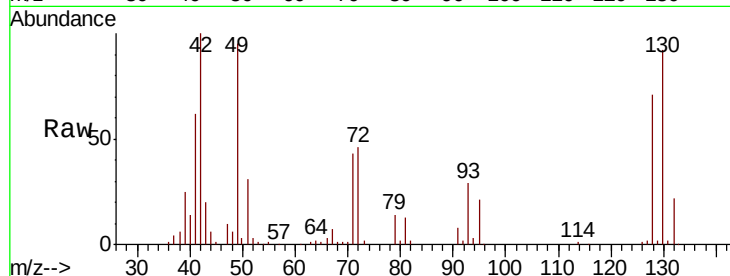
Tgt Ion:128 Resp: 165693

Ion Ratio Lower Upper

128 100

49 135.8 0.0 361.0

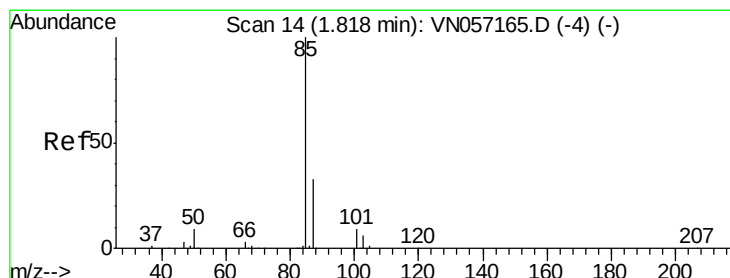
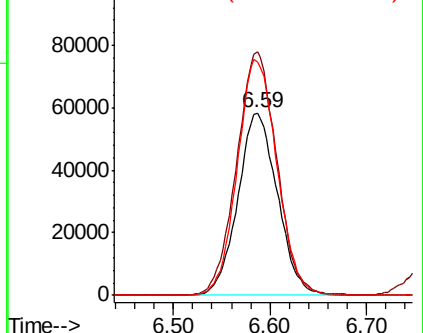
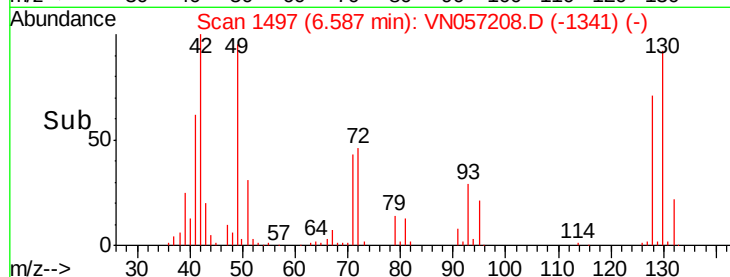
130 129.7 0.0 329.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.398 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057208.D

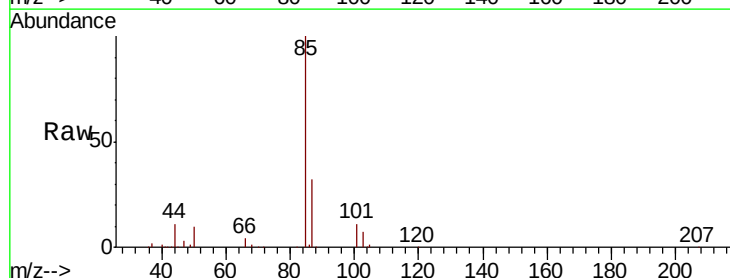
Acq: 12 Aug 2019 11:47

Tgt Ion: 85 Resp: 184350

Ion Ratio Lower Upper

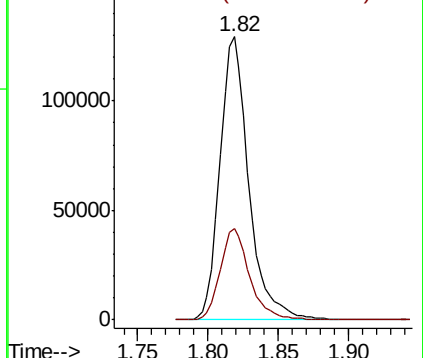
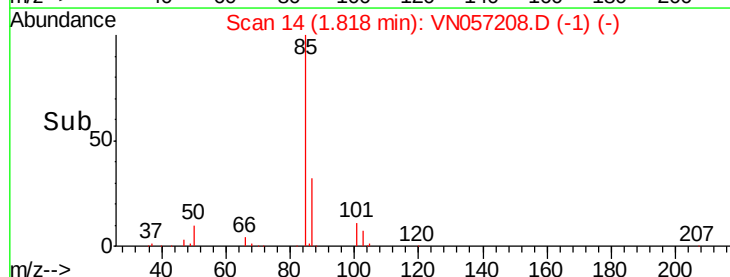
85 100

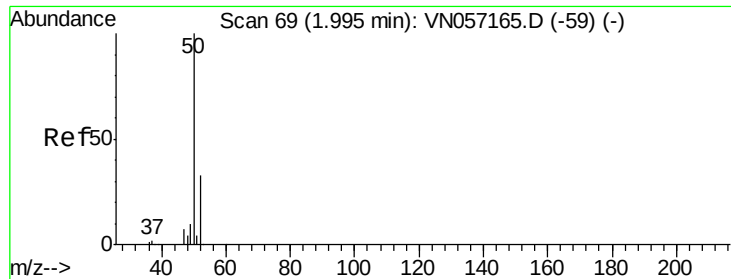
87 32.3 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.628 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

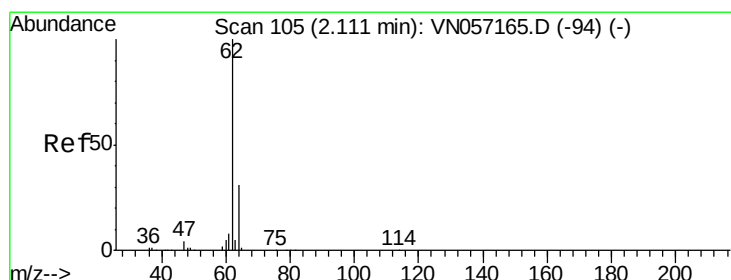
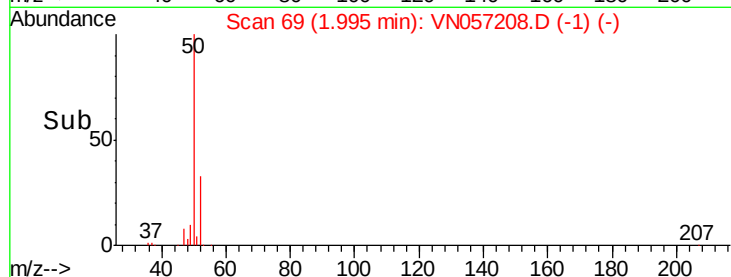
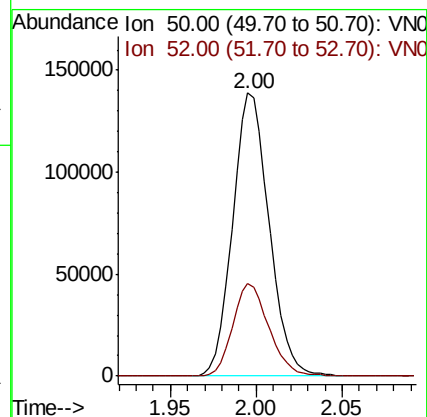
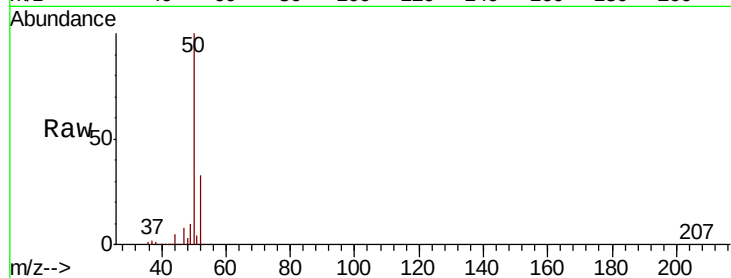
VN0812WBSD01

Tgt Ion: 50 Resp: 205490

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.767 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057208.D

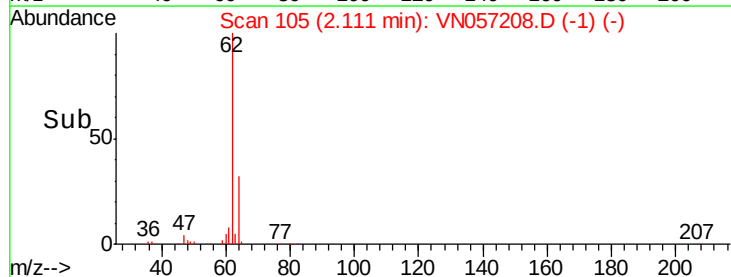
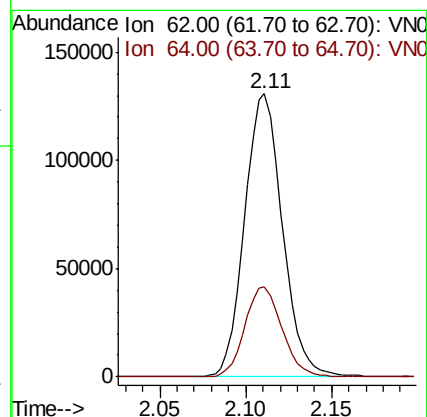
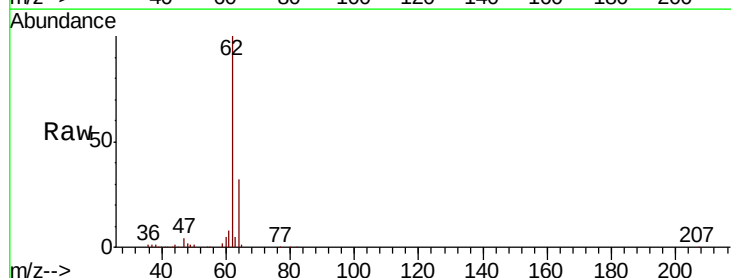
Acq: 12 Aug 2019 11:47

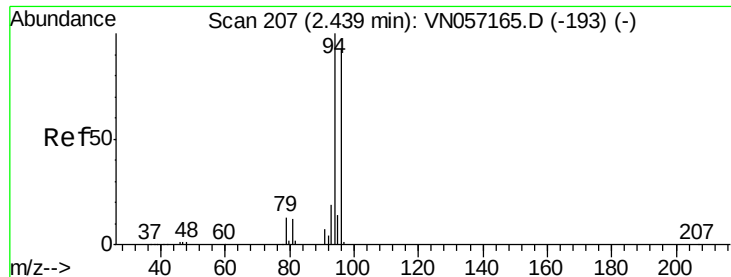
Tgt Ion: 62 Resp: 199880

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 19.568 ug/l

RT: 2.44 min Scan# 206

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

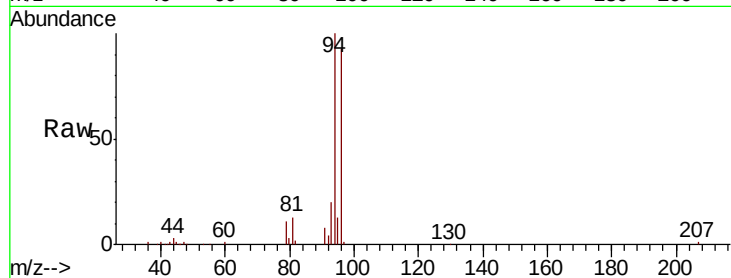
VN0812WBSD01

Tgt Ion: 94 Resp: 148463

Ion Ratio Lower Upper

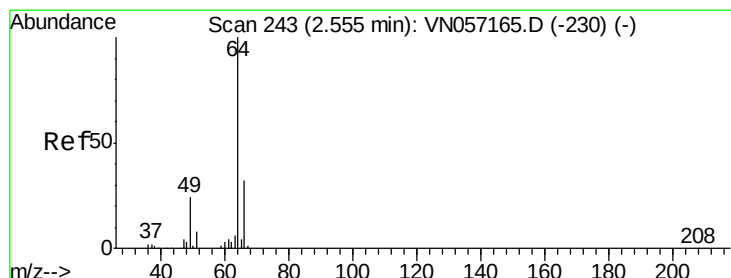
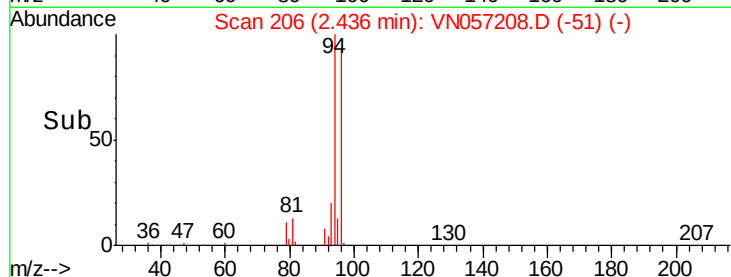
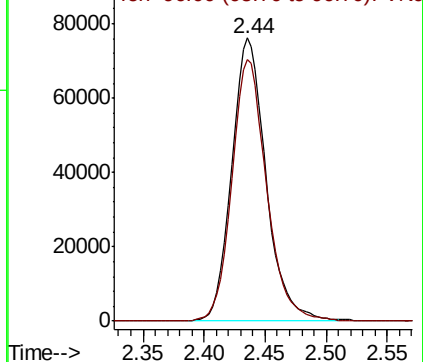
94 100

96 92.6 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.241 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN057208.D

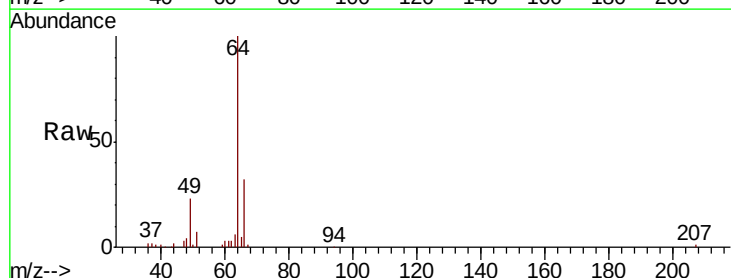
Acq: 12 Aug 2019 11:47

Tgt Ion: 64 Resp: 132884

Ion Ratio Lower Upper

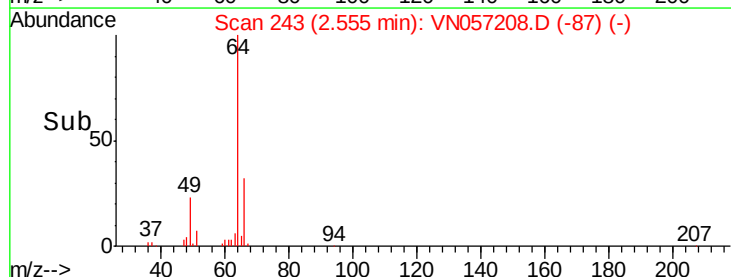
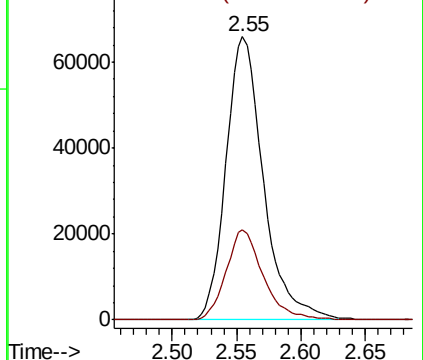
64 100

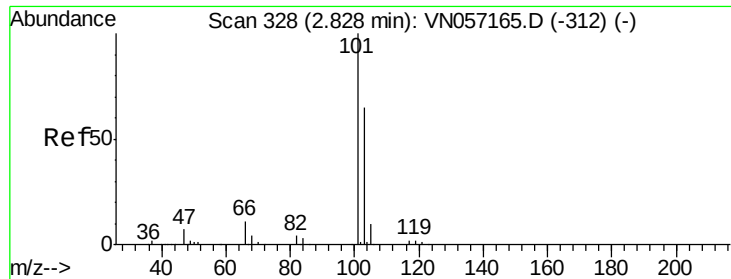
66 31.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



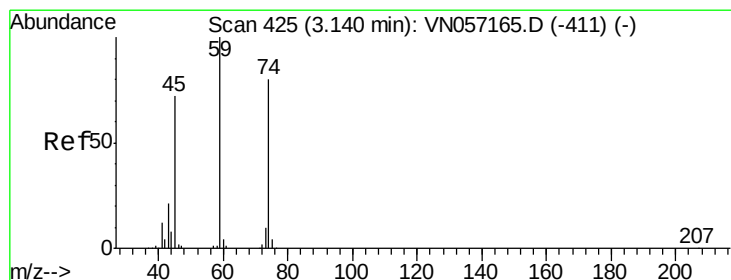
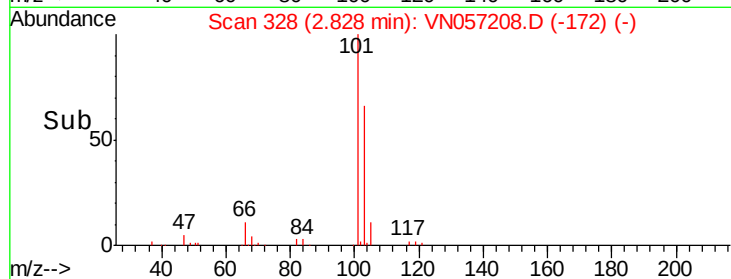
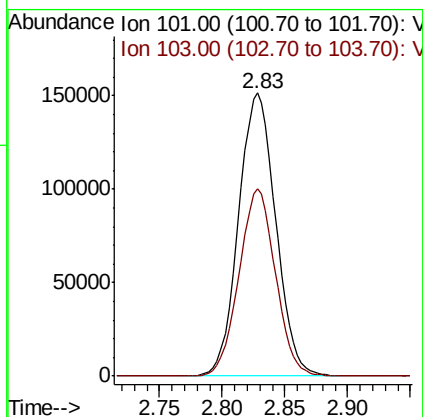
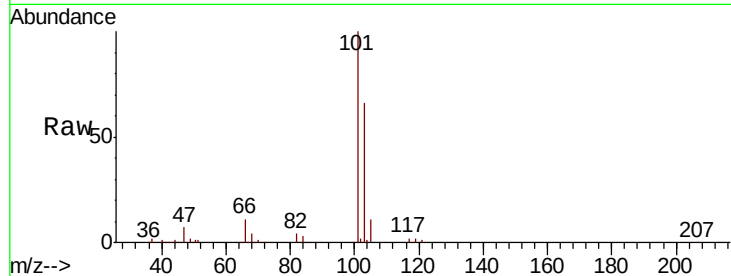


#7

Trichlorofluoromethane
 Concen: 19.650 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

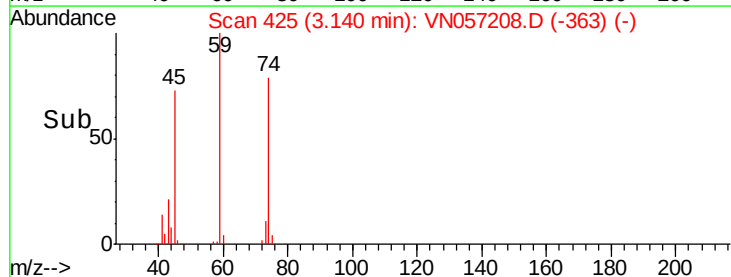
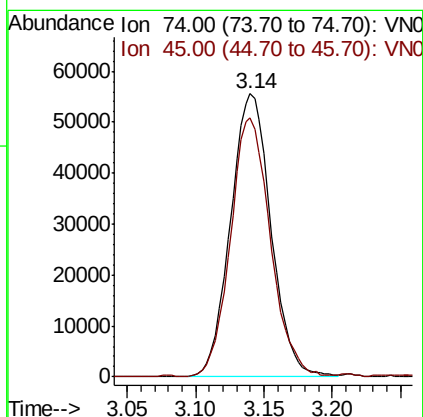
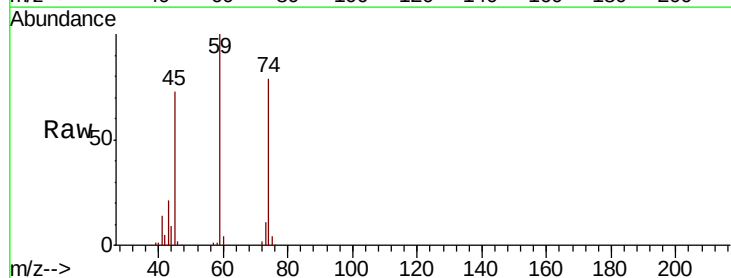
Tgt Ion: 101 Resp: 312050
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.8 77.8

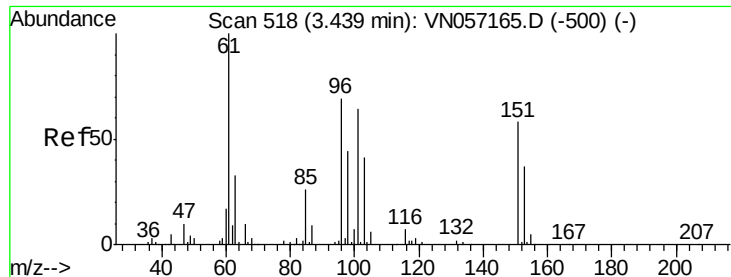


#8

Diethyl Ether
 Concen: 19.360 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 74 Resp: 114591
 Ion Ratio Lower Upper
 74 100
 45 90.3 17.9 161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 3.44 min Scan# 519

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

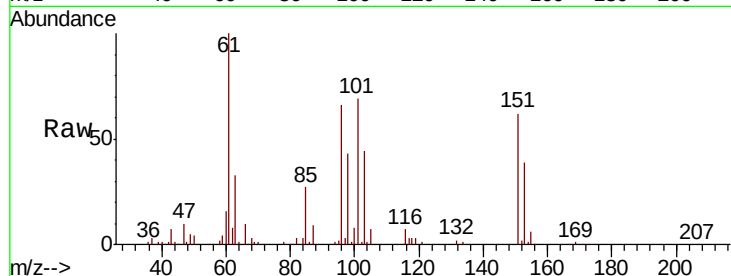
Tgt Ion: 101 Resp: 188467

Ion Ratio Lower Upper

101 100

85 21.4 0.0 84.4

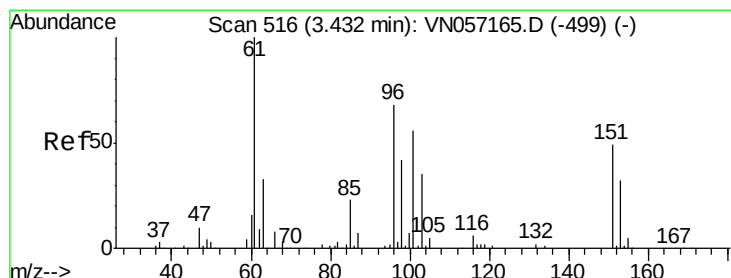
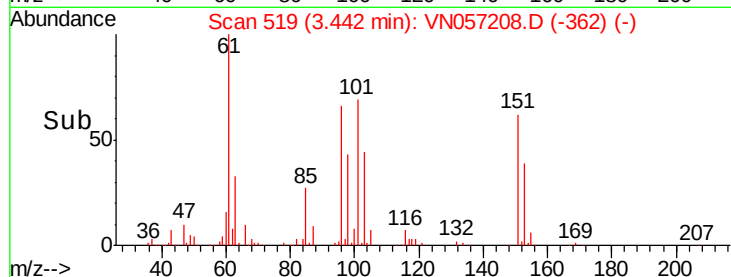
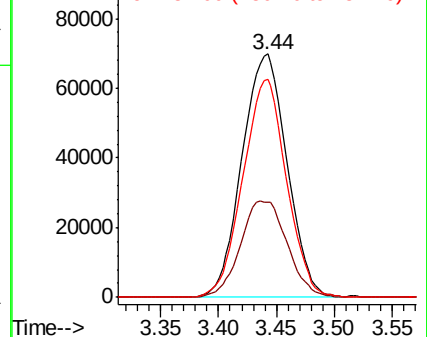
151 87.0 0.0 175.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.176 ug/l

RT: 3.43 min Scan# 516

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

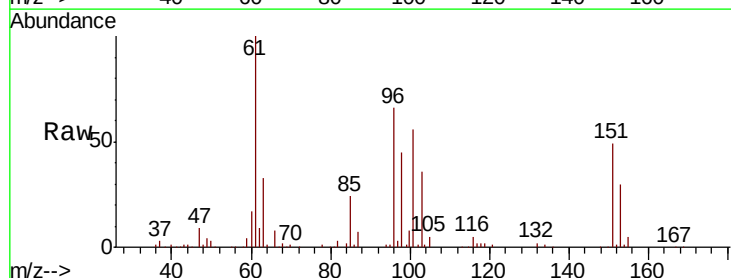
Tgt Ion: 96 Resp: 182128

Ion Ratio Lower Upper

96 100

61 151.2 118.2 177.2

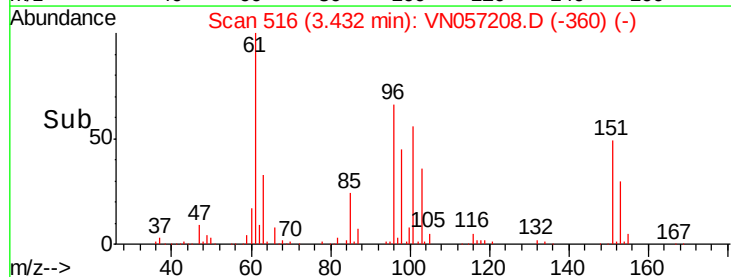
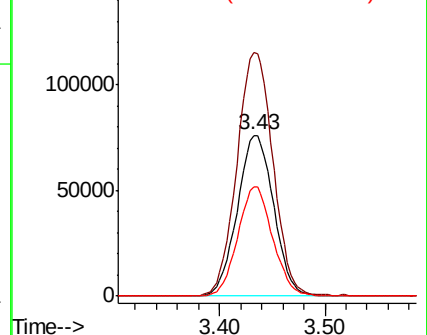
98 68.0 49.3 73.9

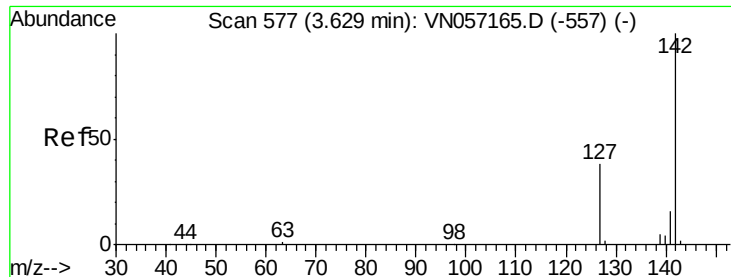


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

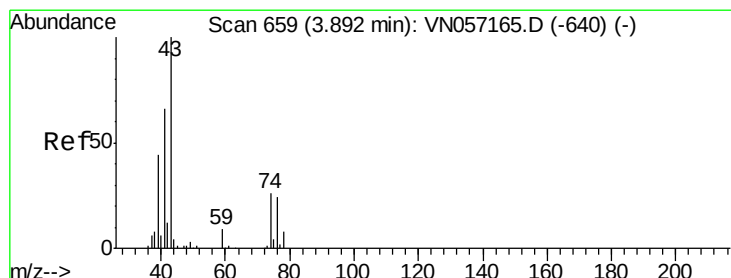
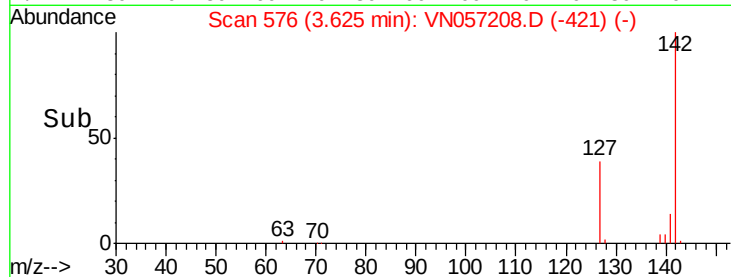
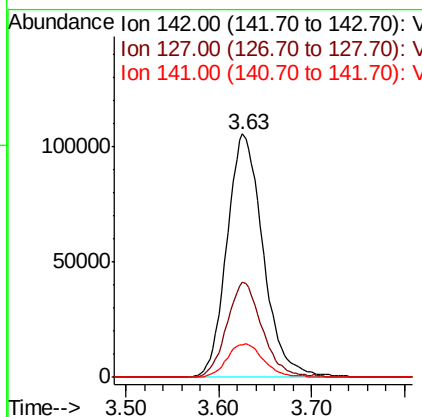
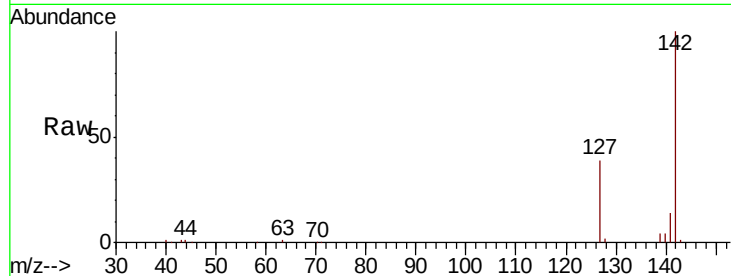




#11
Methyl Iodide
Concen: 19.278 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

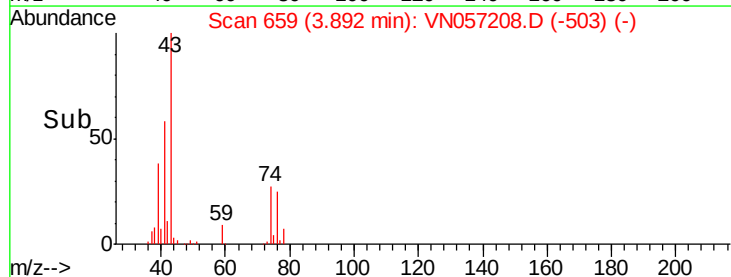
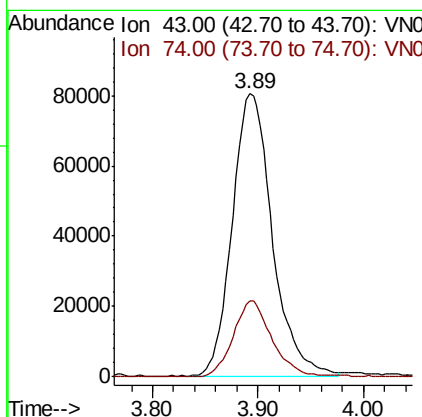
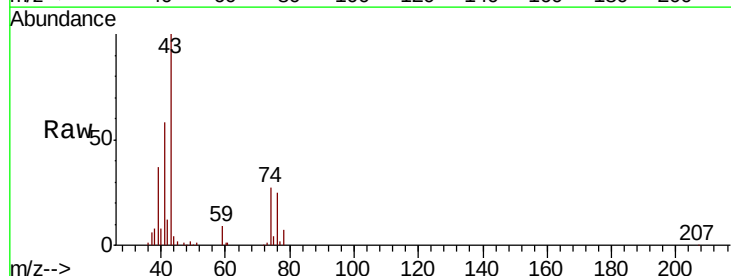
Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

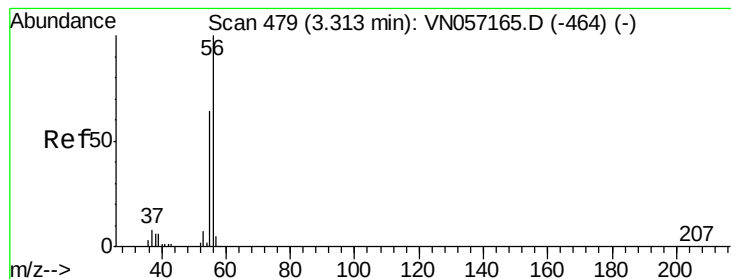
Tgt Ion:142 Resp: 285699
Ion Ratio Lower Upper
142 100
127 38.9 19.0 57.0
141 13.6 7.8 23.5



#12
Methyl Acetate
Concen: 21.338 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 43 Resp: 211111
Ion Ratio Lower Upper
43 100
74 27.0 20.5 30.7





#13

Acrolein

Concen: 86.604 ug/l

RT: 3.31 min Scan# 478

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

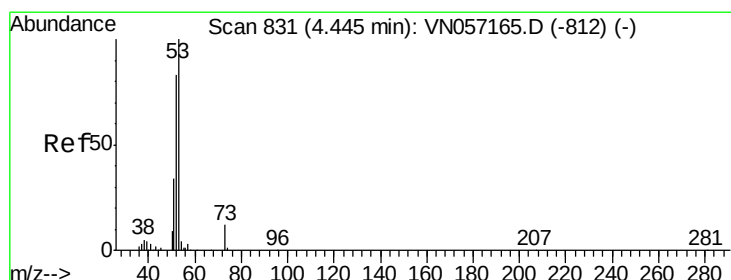
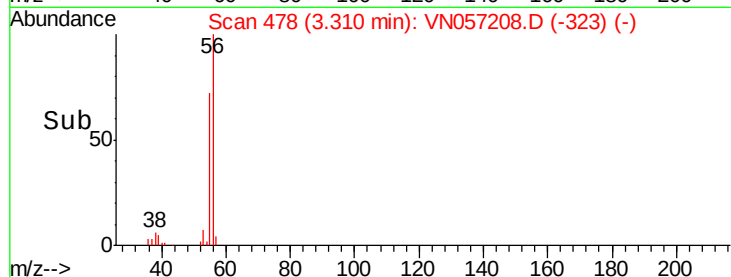
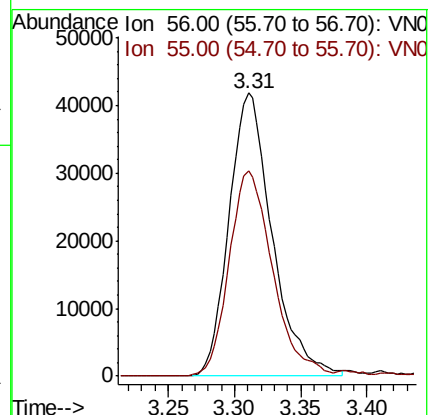
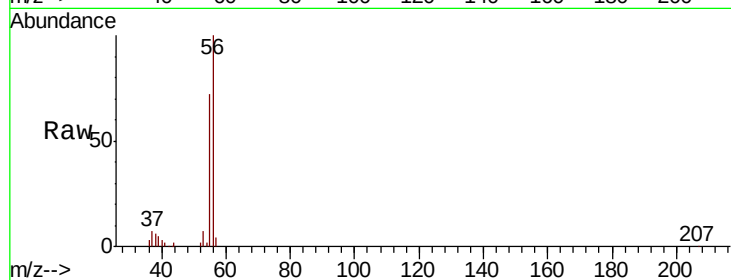
VN0812WBSD01

Tgt Ion: 56 Resp: 94495

Ion Ratio Lower Upper

56 100

55 73.4 56.5 84.7



#14

Acrylonitrile

Concen: 99.253 ug/l

RT: 4.45 min Scan# 831

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

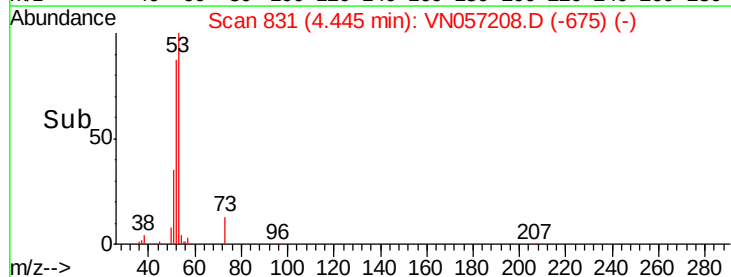
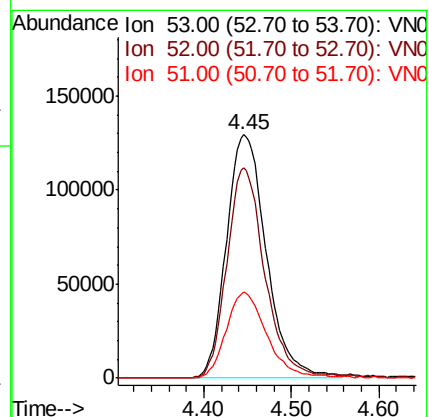
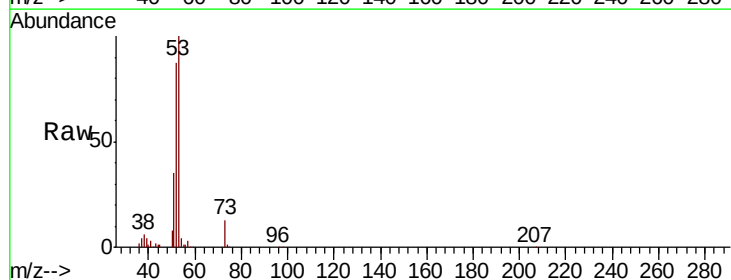
Tgt Ion: 53 Resp: 409698

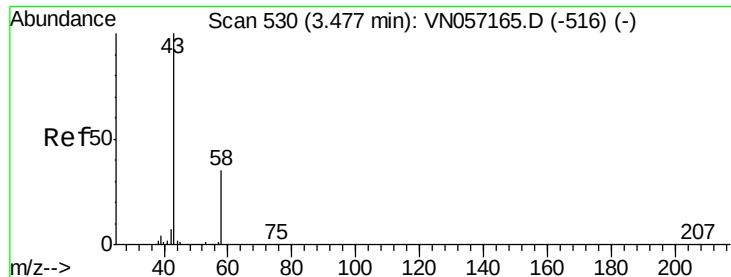
Ion Ratio Lower Upper

53 100

52 81.7 41.1 123.4

51 35.9 17.4 52.3





#15

Acetone

Concen: 85.816 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

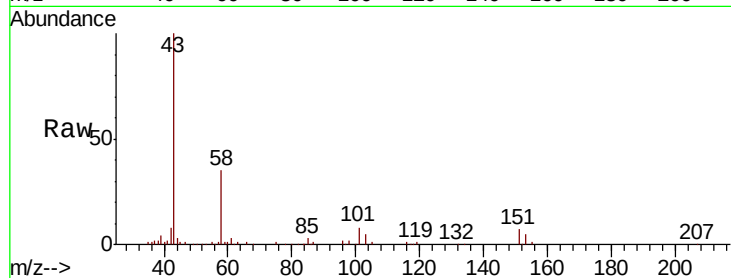
VN0812WBSD01

Tgt Ion: 58 Resp: 117564

Ion Ratio Lower Upper

58 100

43 287.6 226.2 339.2



Abundance Ion 58.00 (57.70 to 58.70): VN057208.D (-529) (-)

Ion 43.00 (42.70 to 43.70): VN057208.D (-529) (-)

150000

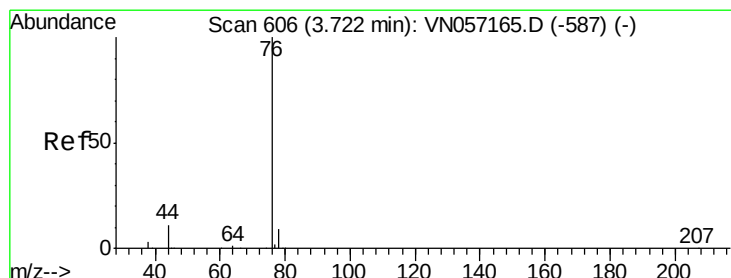
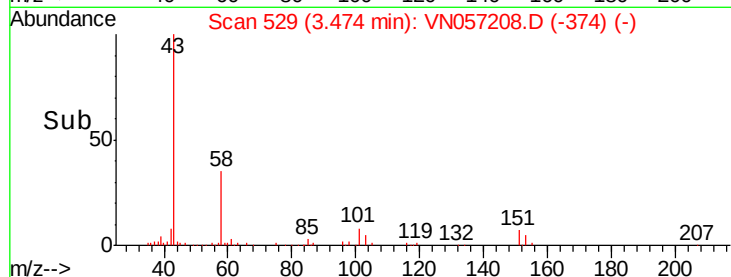
100000

50000

0

3.40 3.45 3.50 3.55 3.60

Time-->



#16

Carbon Disulfide

Concen: 18.745 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057208.D

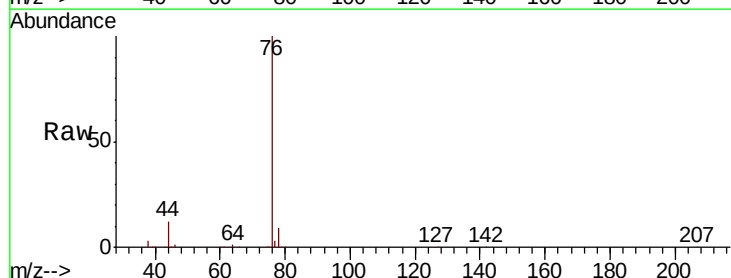
Acq: 12 Aug 2019 11:47

Tgt Ion: 76 Resp: 480290

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057208.D (-606) (-)

Ion 78.00 (77.70 to 78.70): VN057208.D (-606) (-)

200000

150000

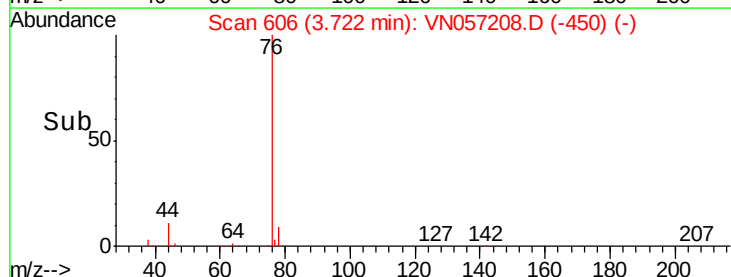
100000

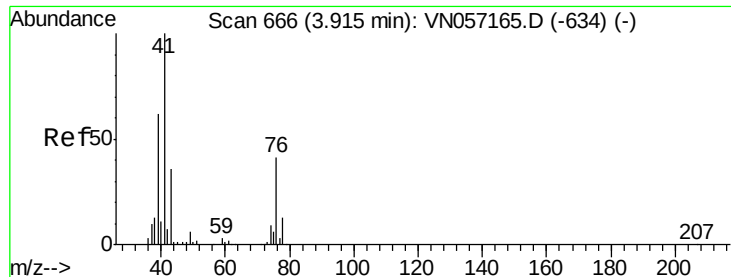
50000

0

3.60 3.70 3.80

Time-->

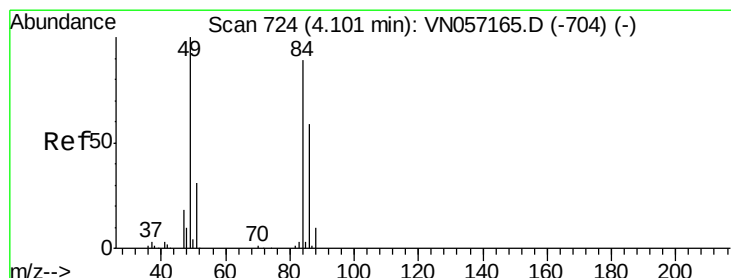
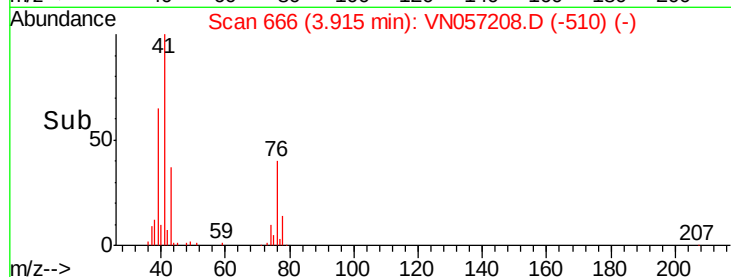
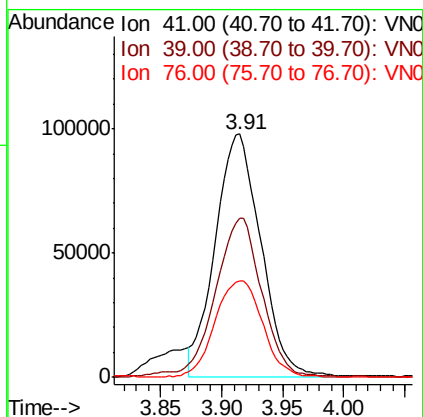
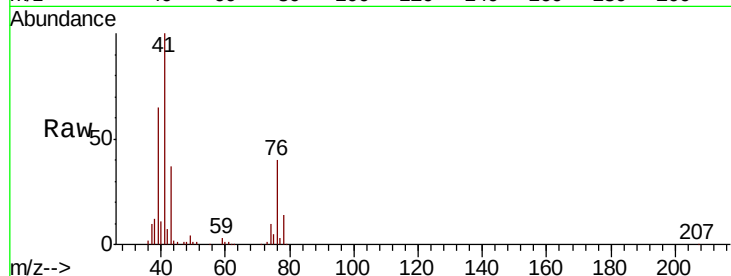




#17
 Allyl chloride
 Concen: 18.183 ug/l
 RT: 3.91 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

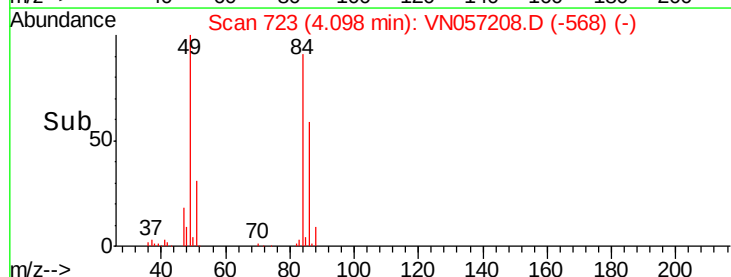
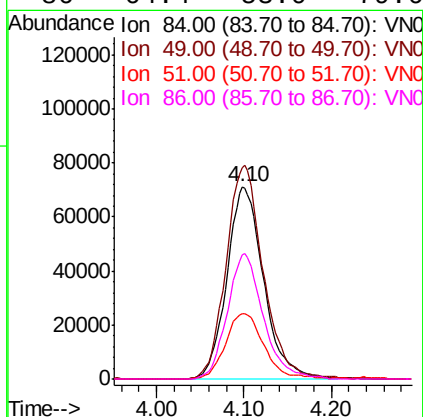
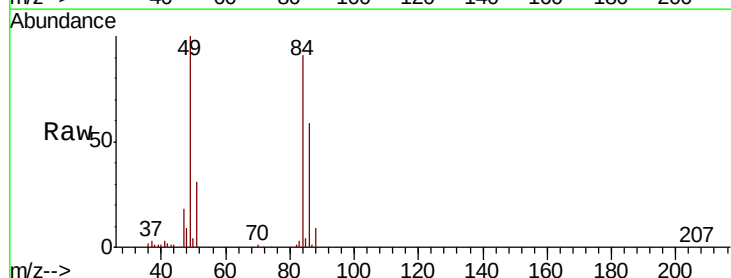
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

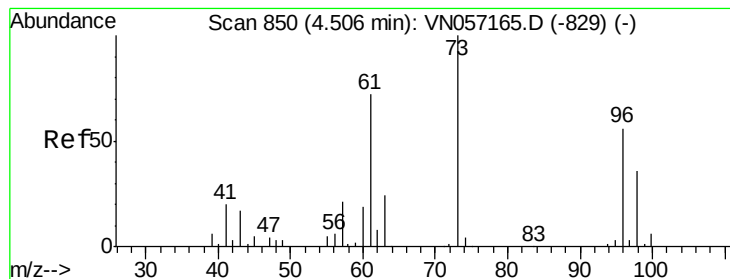
Tgt Ion: 41 Resp: 254601
 Ion Ratio Lower Upper
 41 100
 39 65.3 31.2 93.6
 76 39.7 20.5 61.6



#18
 Methylene Chloride
 Concen: 19.199 ug/l
 RT: 4.10 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 84 Resp: 206732
 Ion Ratio Lower Upper
 84 100
 49 109.7 90.1 135.1
 51 34.2 27.9 41.9
 86 64.4 53.0 79.6





#19

trans-1,2-Dichloroethene

Concen: 18.887 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

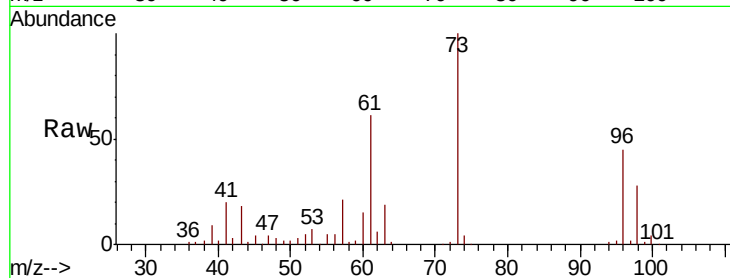
Tgt Ion: 96 Resp: 192315

Ion Ratio Lower Upper

96 100

61 136.6 103.6 155.4

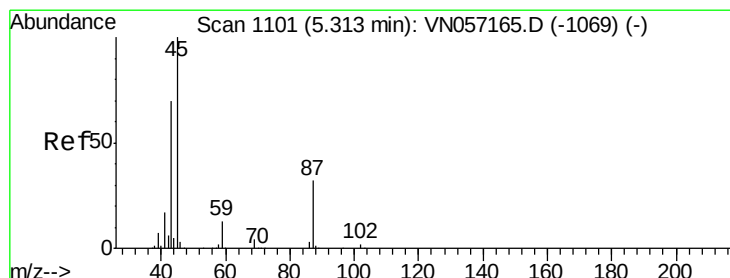
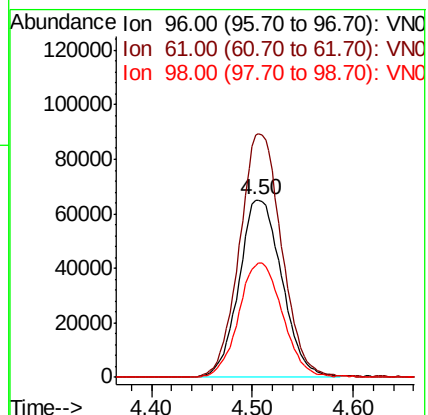
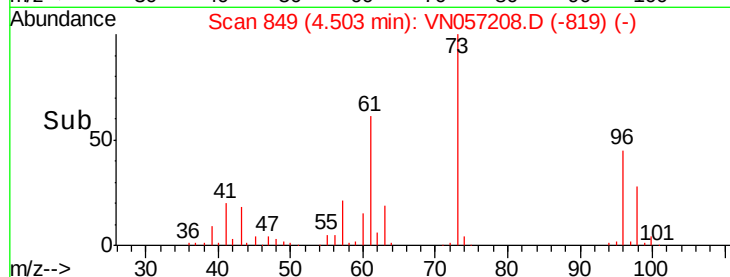
98 63.3 51.3 76.9



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: 19.791 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Tgt Ion: 45 Resp: 565159

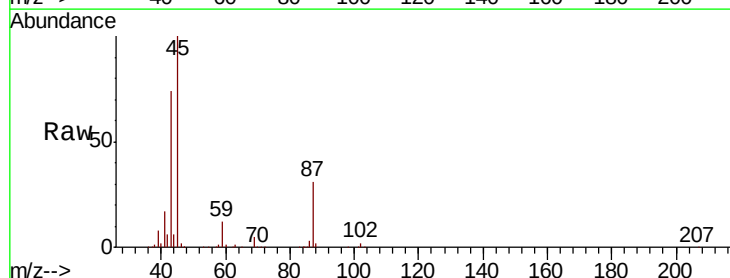
Ion Ratio Lower Upper

45 100

43 72.0 60.0 90.0

87 30.4 25.9 38.9

59 12.4 10.5 15.7

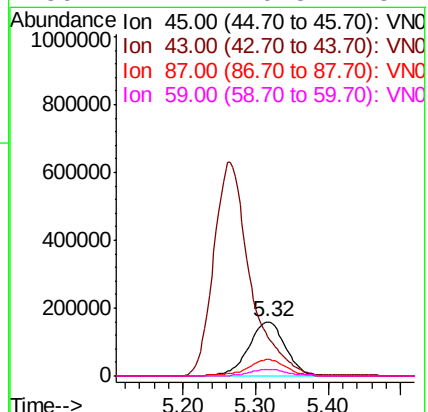
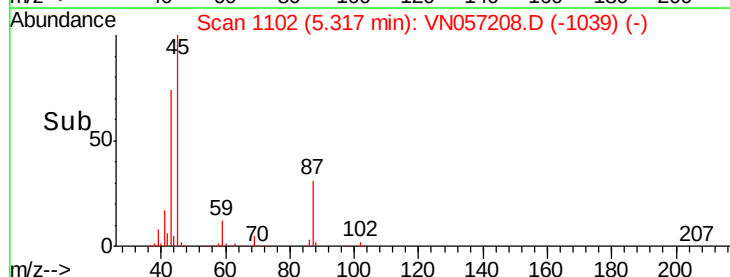


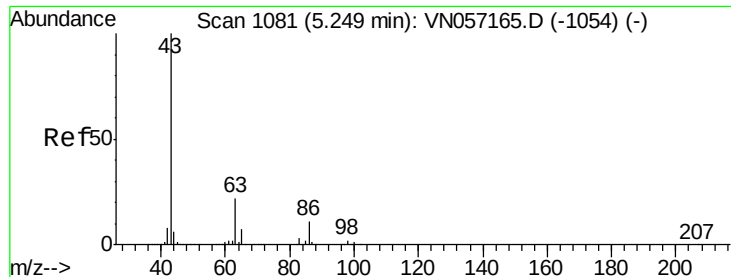
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

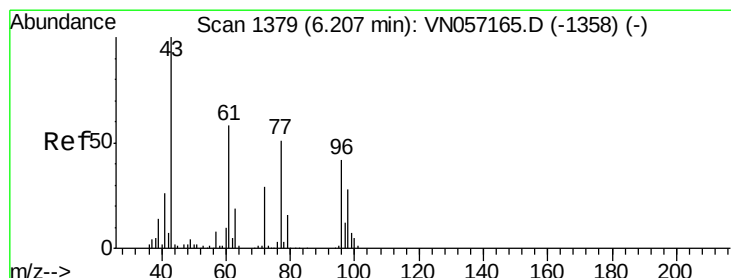
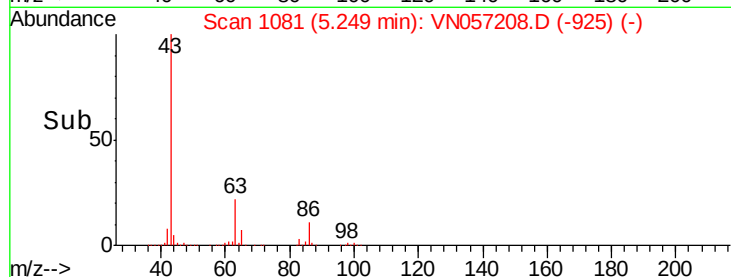
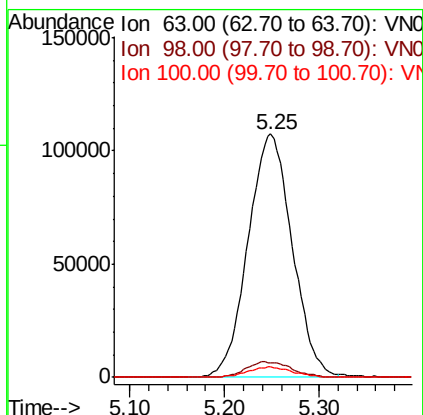
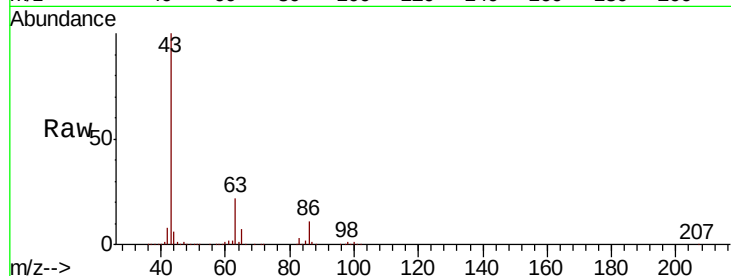




#21
 1,1-Dichloroethane
 Concen: 19.519 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

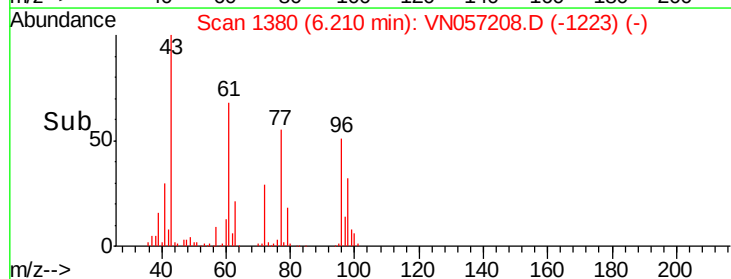
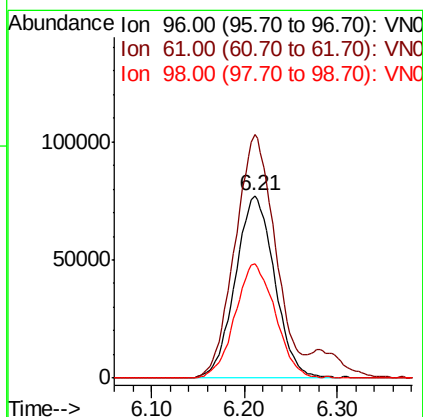
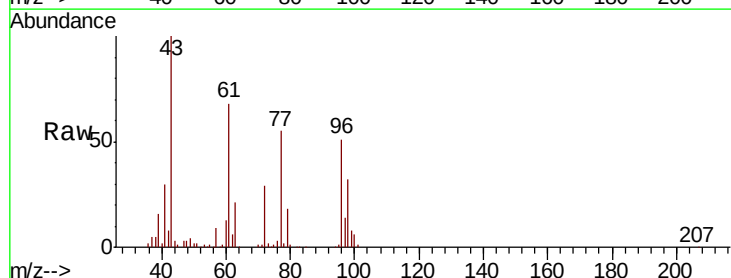
Instrument :
 MSVOA_N
 ClientSampled :
 VN0812WBSD01

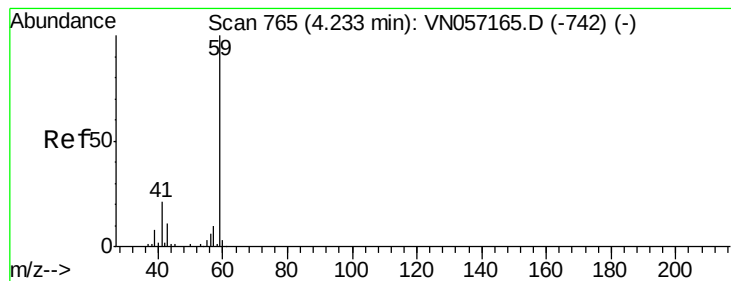
Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.4
100	4.3	1.9	5.7



#22
 cis-1,2-Dichloroethene
 Concen: 19.633 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	109.2	163.8
98	64.0	51.7	77.5





#23

tert-Butyl Alcohol

Concen: 100.787 ug/l

RT: 4.24 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

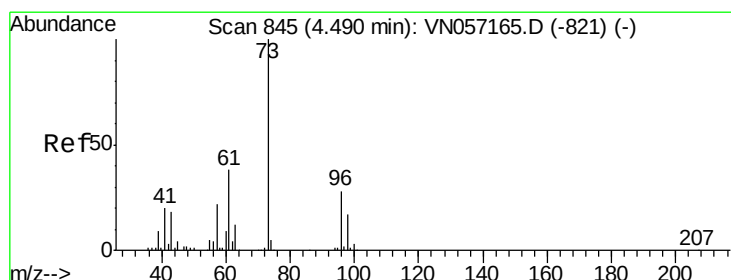
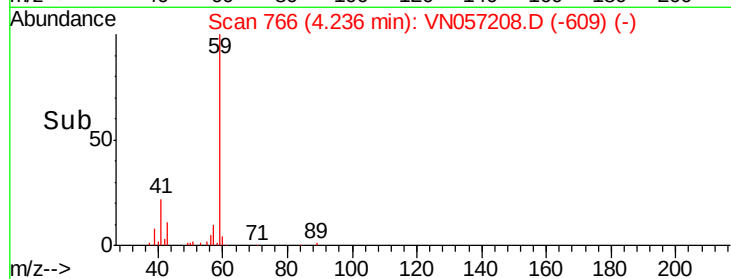
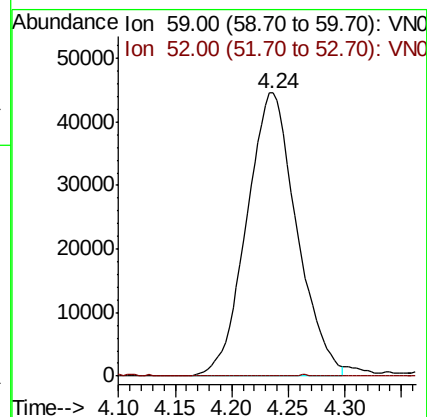
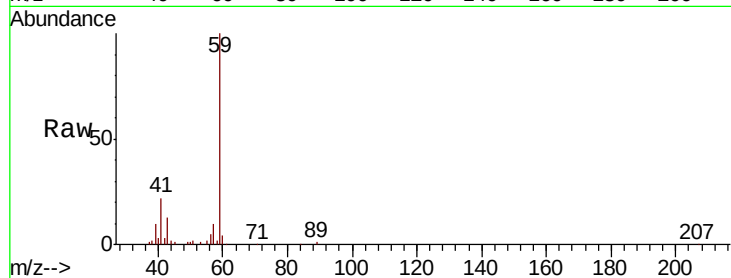
VN0812WBSD01

Tgt Ion: 59 Resp: 137285

Ion Ratio Lower Upper

59 100

52 0.1 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 19.762 ug/l

RT: 4.49 min Scan# 846

Delta R.T. 0.00 min

Lab File: VN057208.D

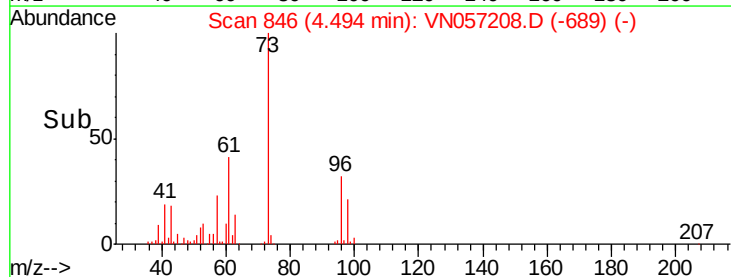
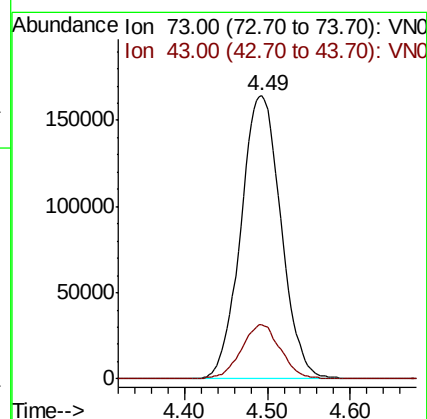
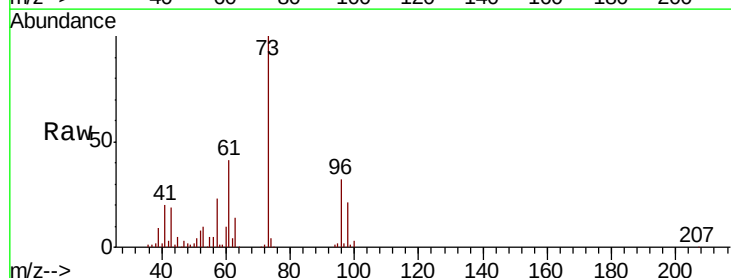
Acq: 12 Aug 2019 11:47

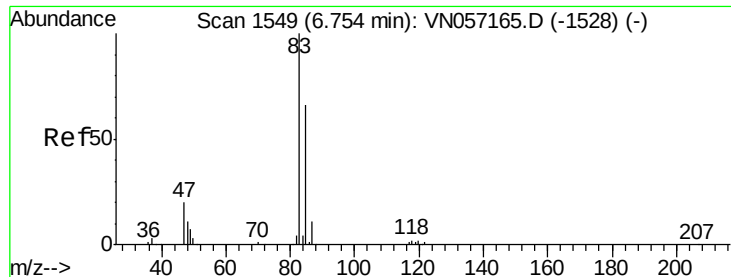
Tgt Ion: 73 Resp: 551951

Ion Ratio Lower Upper

73 100

43 18.2 14.3 21.5

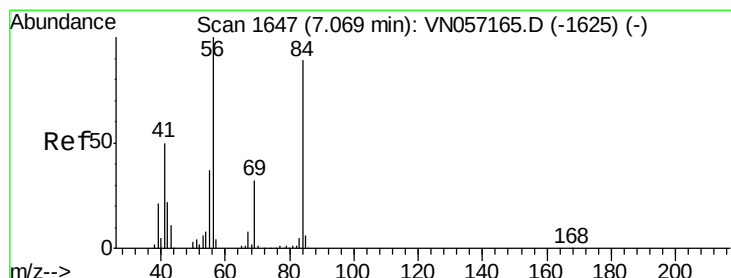
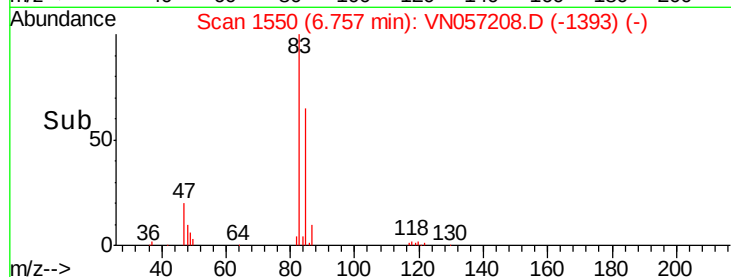
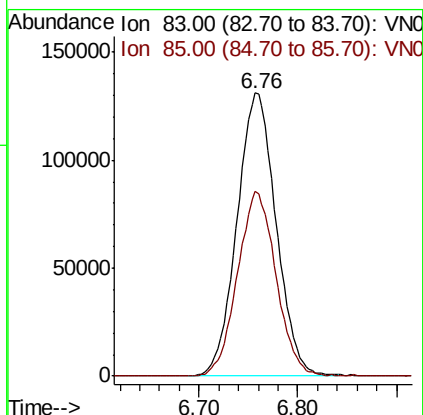
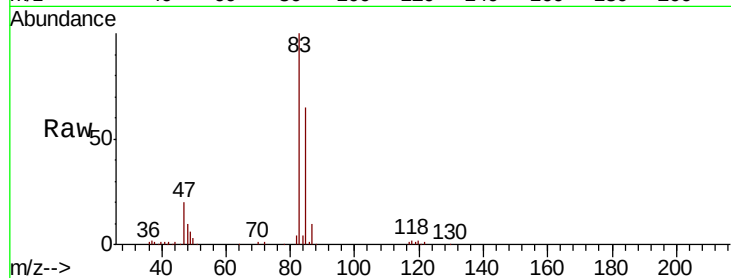




#25
Chloroform
Concen: 19.702 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

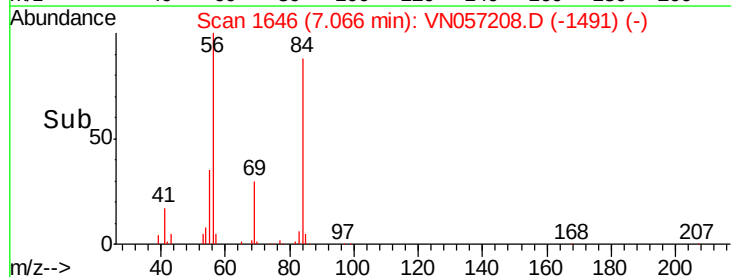
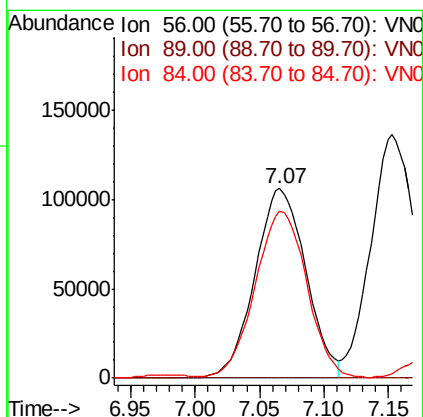
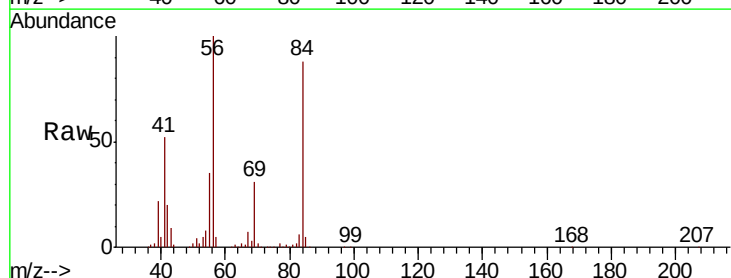
Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

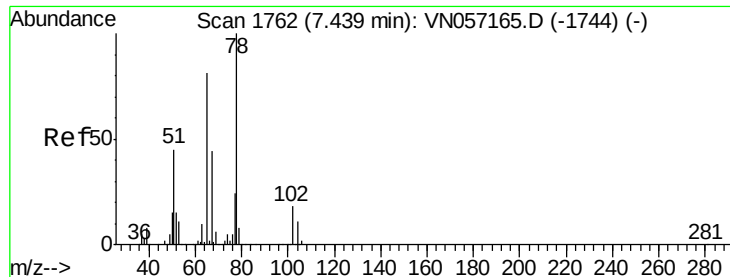
Tgt Ion: 83 Resp: 360319
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7



#26
Cyclohexane
Concen: 19.189 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 56 Resp: 291762
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 29.626 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

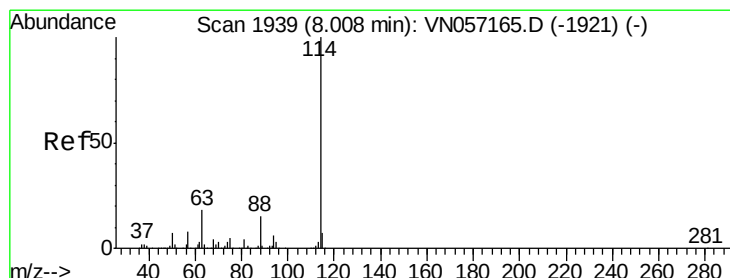
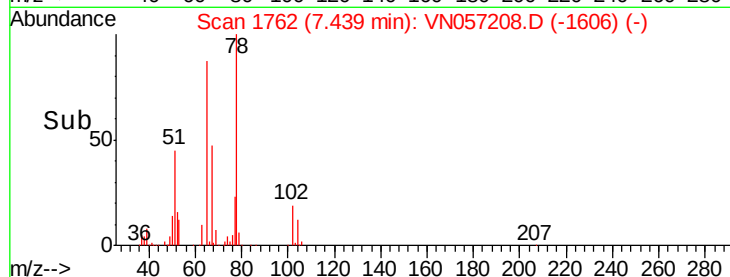
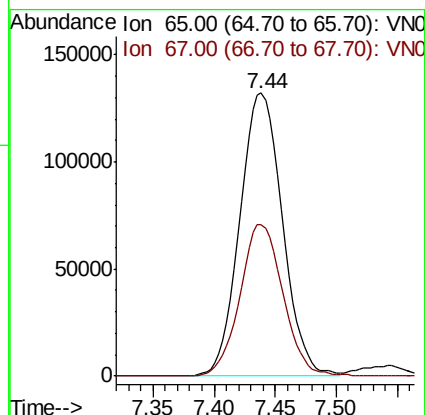
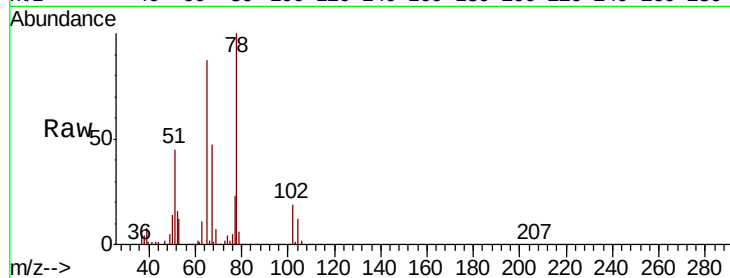
VN0812WBSD01

Tgt Ion: 65 Resp: 319979

Ion Ratio Lower Upper

65 100

67 53.8 42.4 63.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

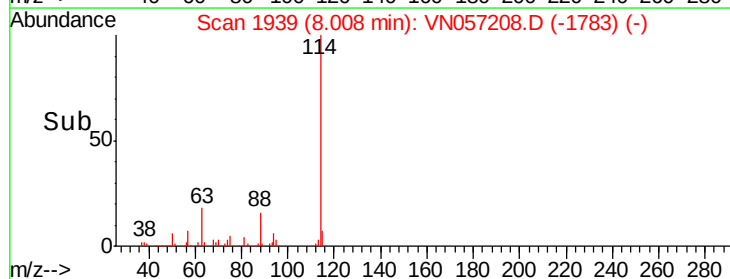
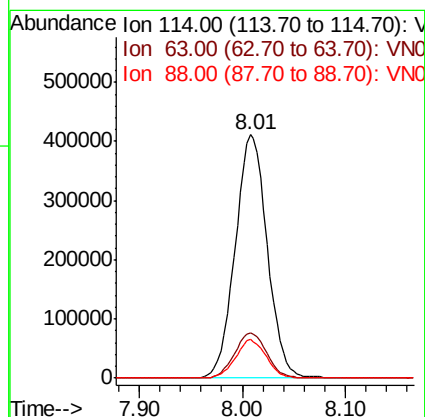
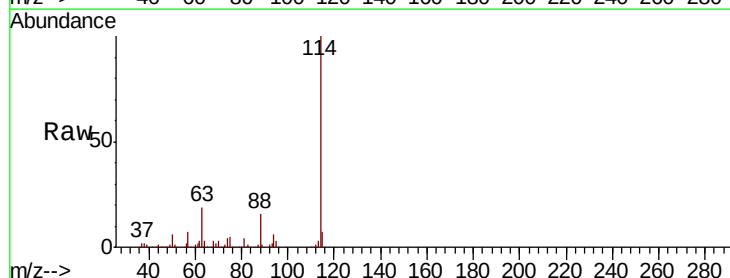
Tgt Ion: 114 Resp: 889965

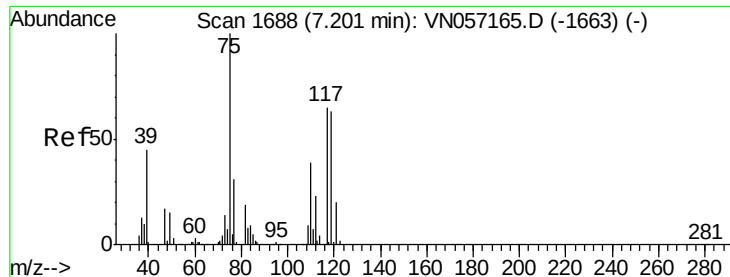
Ion Ratio Lower Upper

114 100

63 18.5 14.6 21.8

88 15.3 12.2 18.2





#29

1,1-Dichloropropene

Concen: 19.858 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0812WBSD01

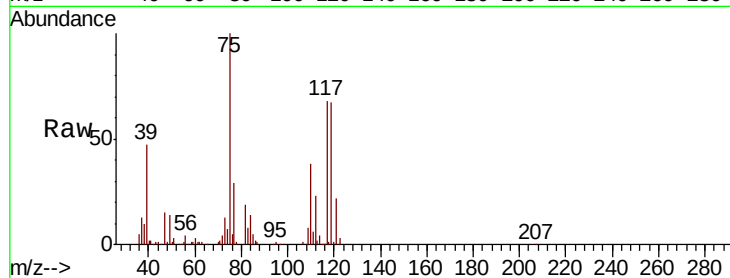
Tgt Ion: 75 Resp: 265771

Ion Ratio Lower Upper

75 100

110 38.4 0.0 75.6

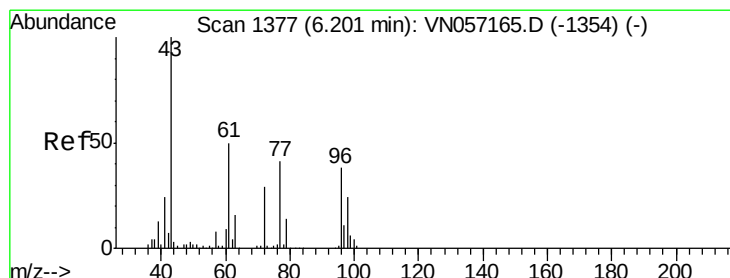
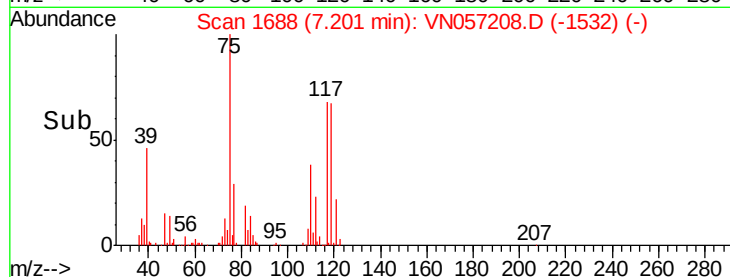
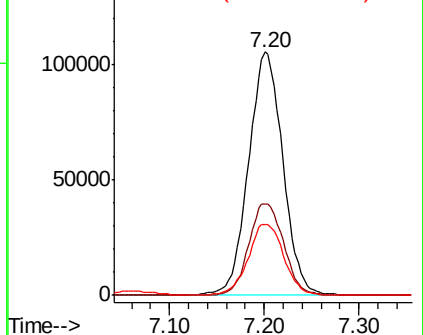
77 30.3 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 96.979 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

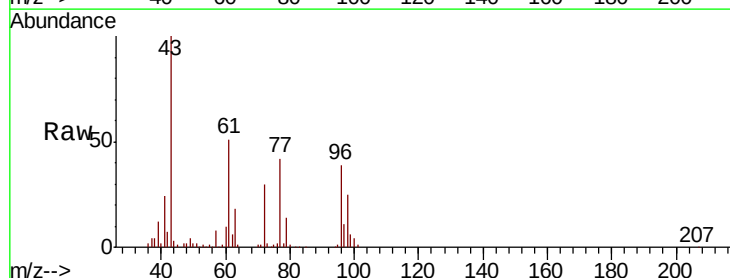
Tgt Ion: 43 Resp: 510992

Ion Ratio Lower Upper

43 100

57 4.2 6.8 10.2#

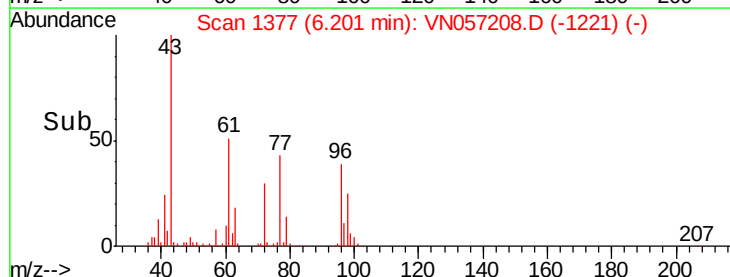
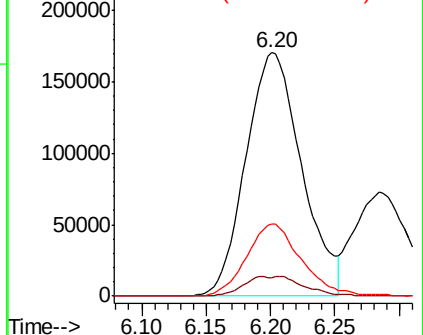
72 29.3 23.0 34.6

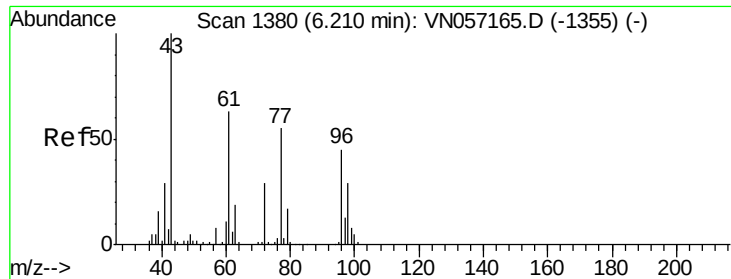


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

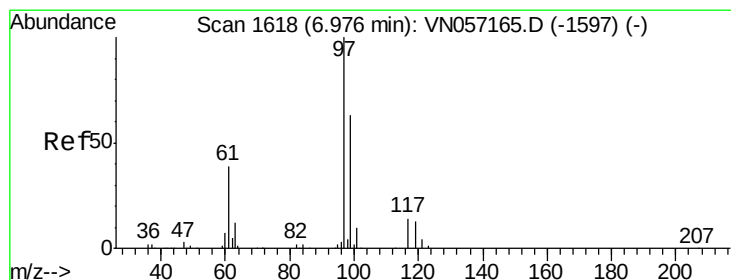
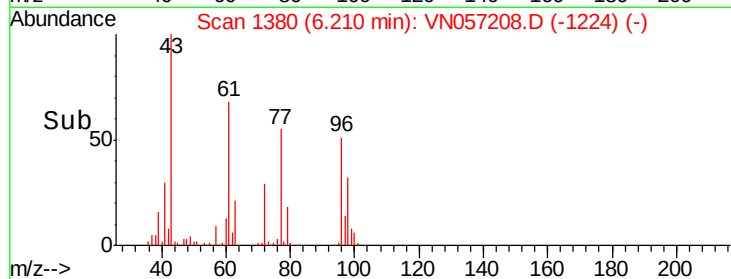
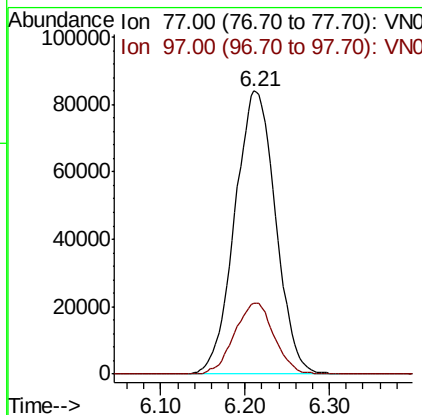
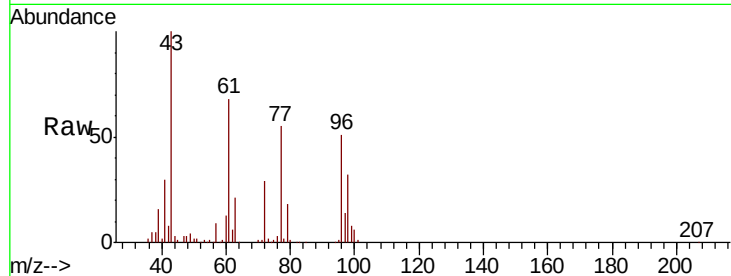




#31
 2,2-Dichloropropane
 Concen: 19.721 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

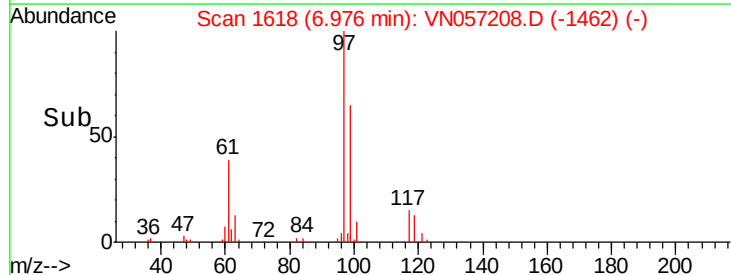
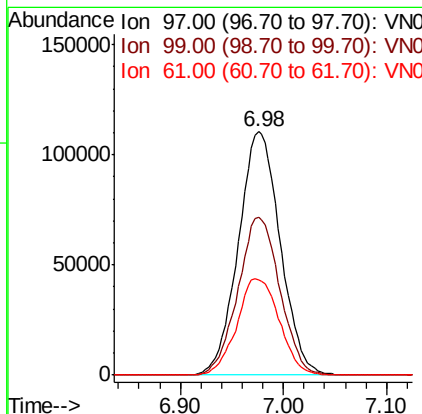
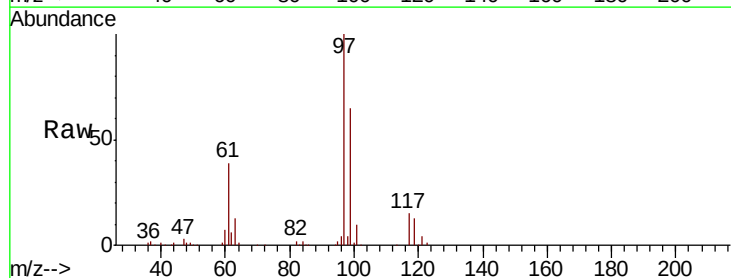
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

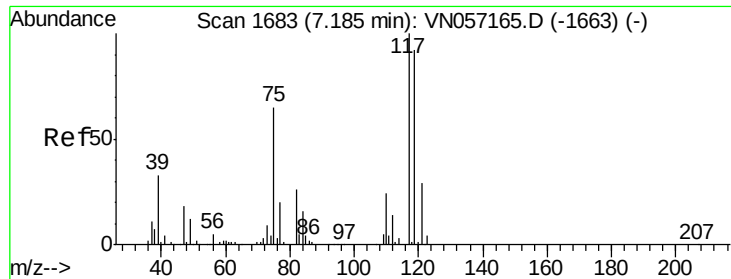
Tgt Ion: 77 Resp: 282197
 Ion Ratio Lower Upper
 77 100
 97 24.4 19.4 29.2



#32
 1,1,1-Trichloroethane
 Concen: 20.088 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 97 Resp: 311347
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 40.3 32.3 48.5

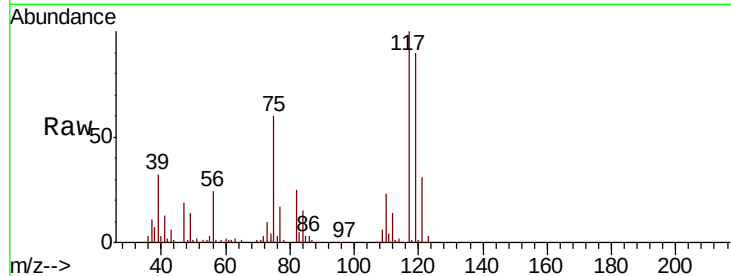




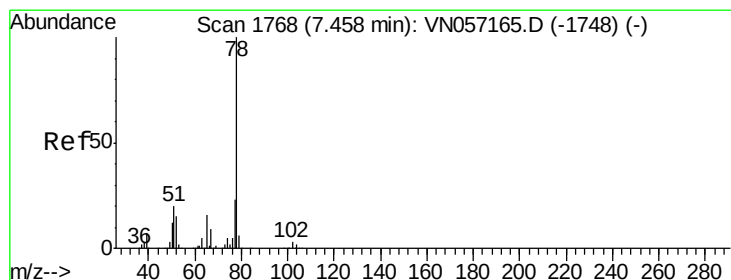
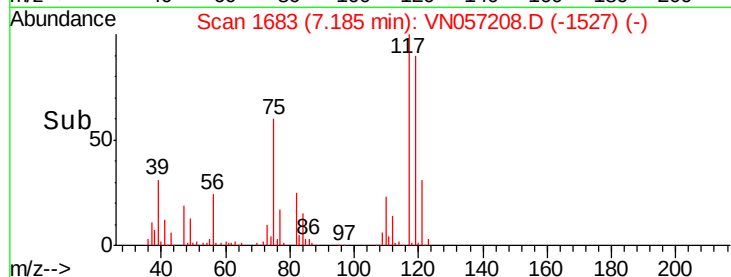
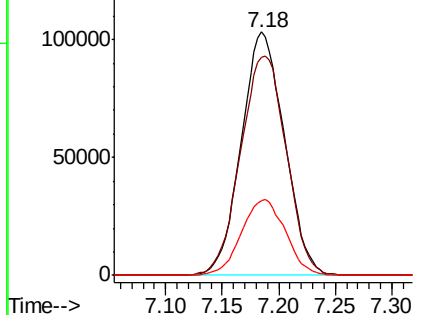
#33
Carbon Tetrachloride
Concen: 19.881 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	73.9	110.9
121	30.8	23.4	35.2

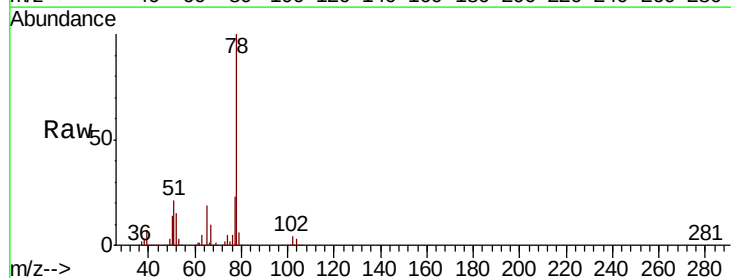


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

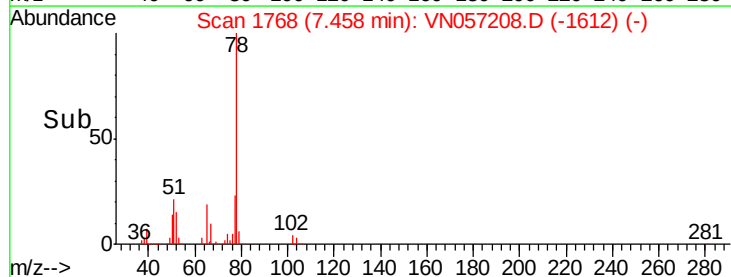
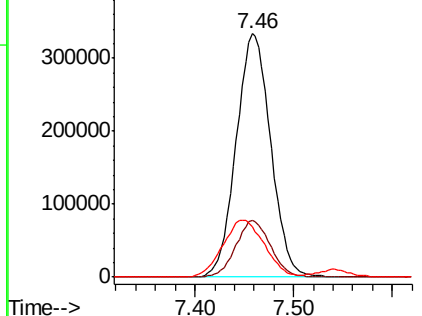


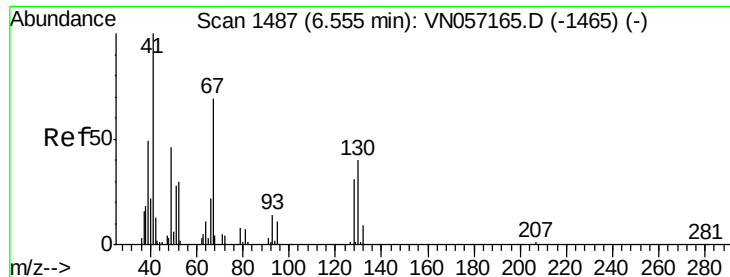
#34
Benzene
Concen: 19.841 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5
51	20.4	16.2	24.2



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

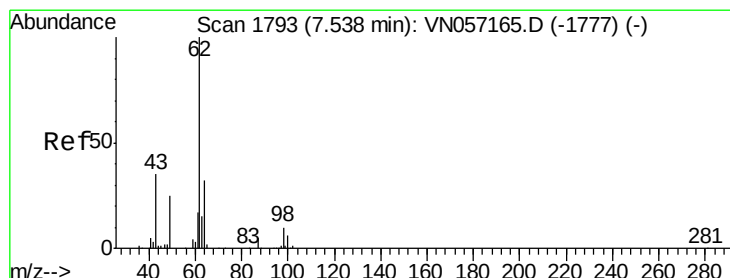
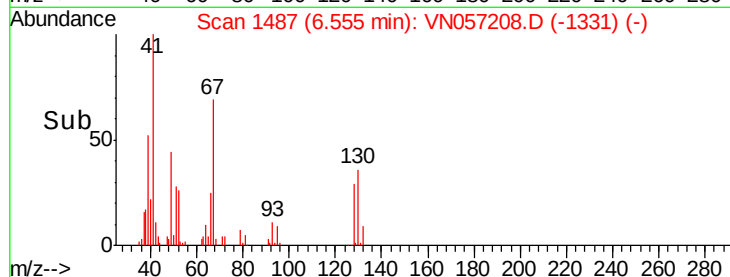
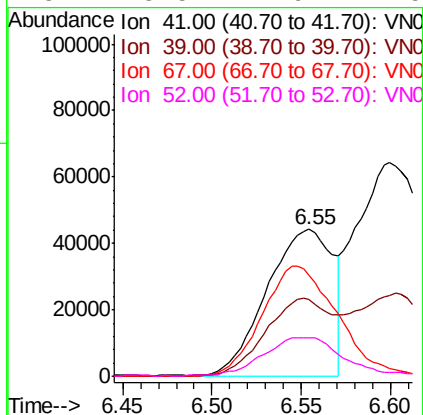
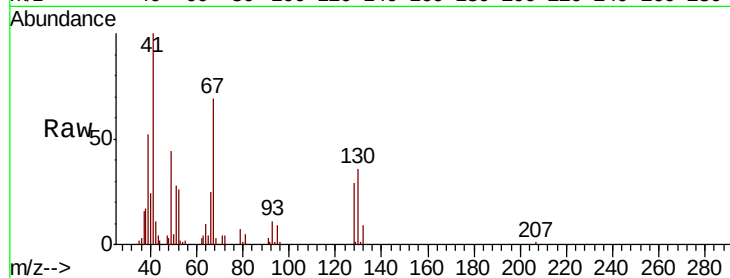




#35
Methacrylonitrile
Concen: 21.353 ug/l
RT: 6.55 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

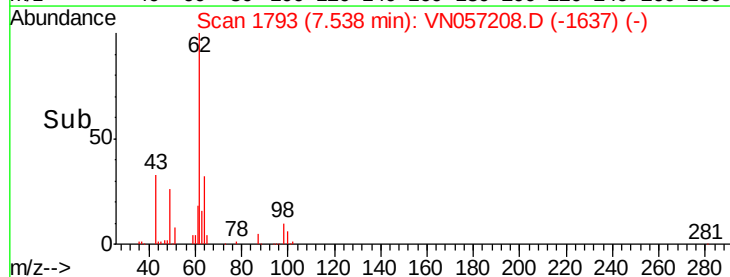
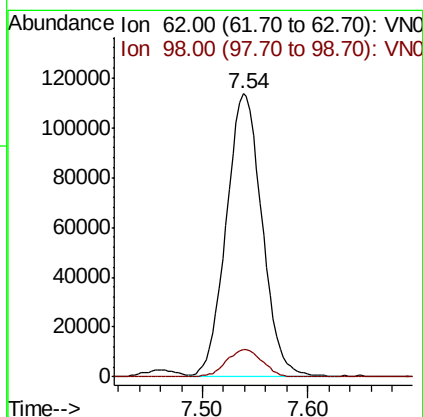
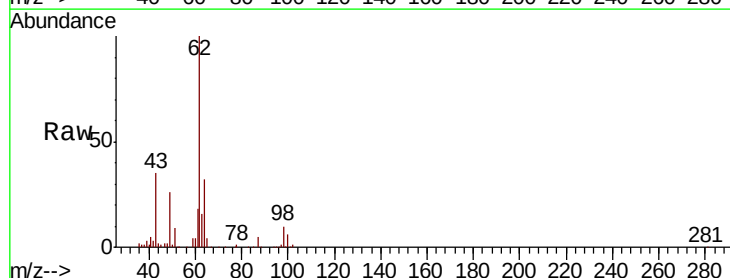
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

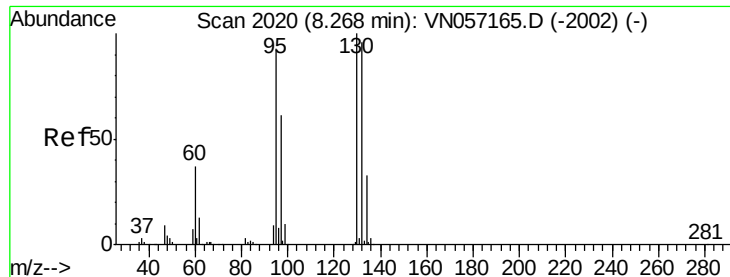
Tgt Ion:	41	Resp:	113715
Ion	Ratio	Lower	Upper
41	100		
39	51.8	24.6	74.0
67	69.6	34.4	103.2
52	25.5	14.9	44.5



#36
1,2-Dichloroethane
Concen: 20.492 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion:	62	Resp:	267446
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.2	12.4

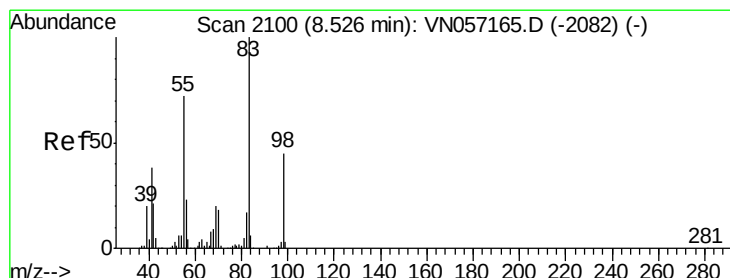
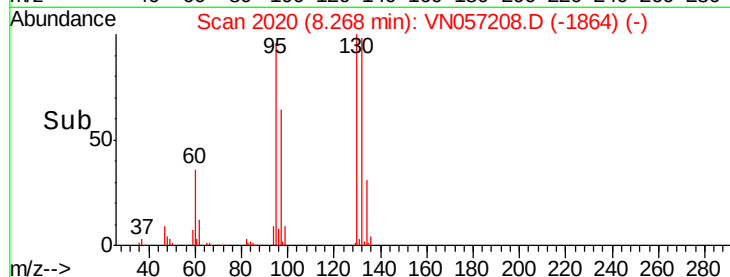
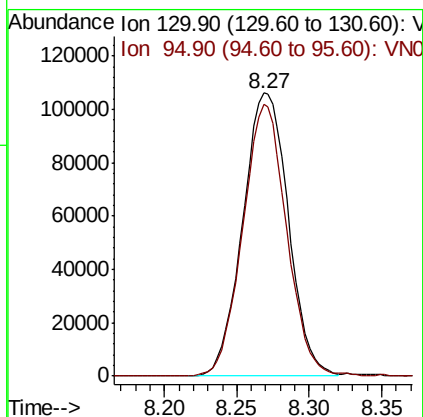
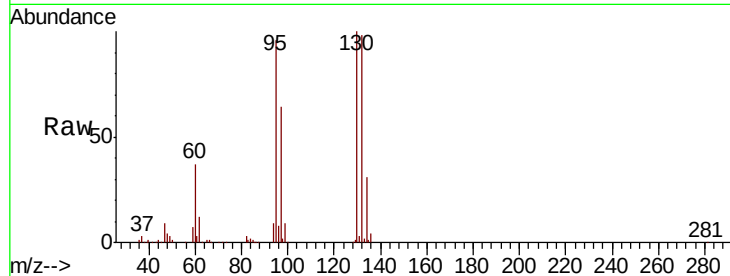




#37
 Trichloroethene
 Concen: 19.967 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

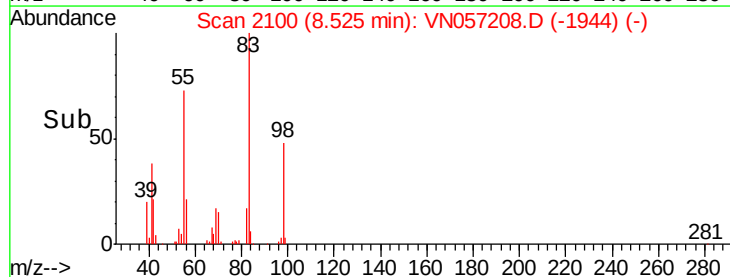
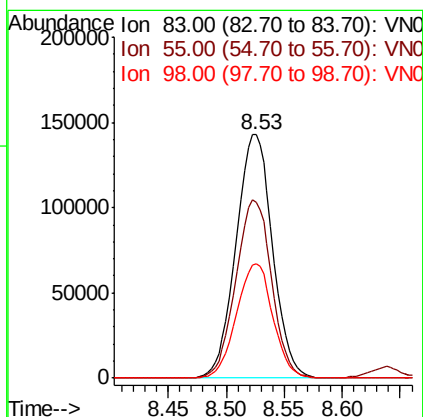
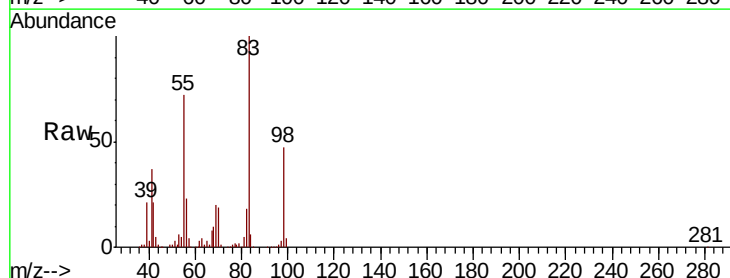
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

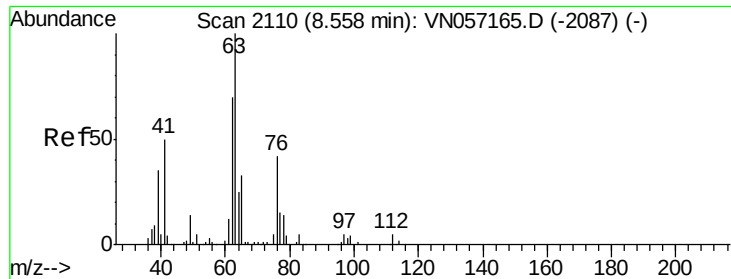
Tgt Ion:130 Resp: 231804
 Ion Ratio Lower Upper
 130 100
 95 96.0 74.6 112.0



#38
 Methylcyclohexane
 Concen: 19.575 ug/l
 RT: 8.53 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 83 Resp: 312634
 Ion Ratio Lower Upper
 83 100
 55 71.9 36.5 109.7
 98 46.8 23.4 70.0





#39

1,2-Dichloropropane

Concen: 20.098 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

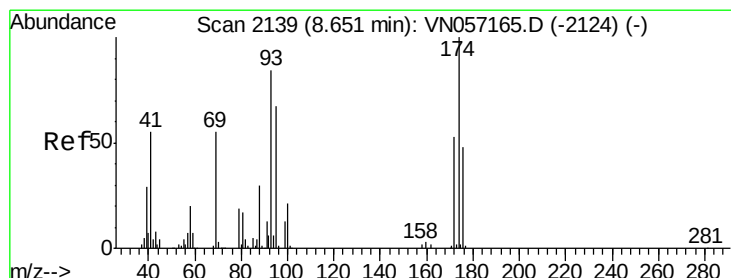
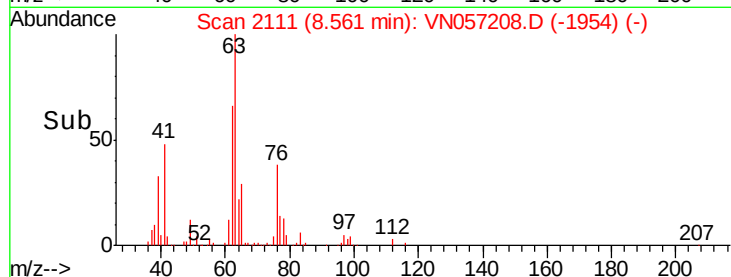
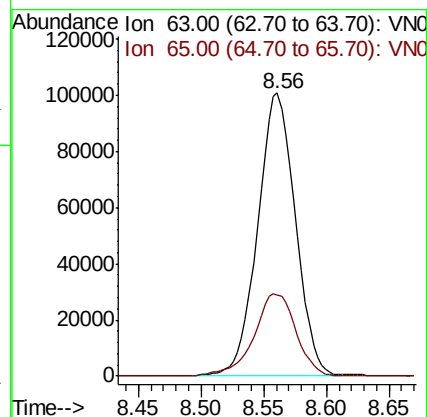
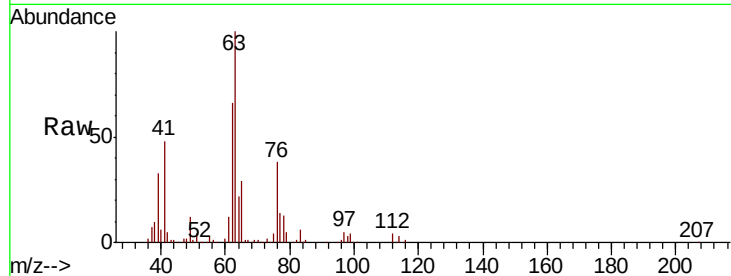
VN0812WBSD01

Tgt Ion: 63 Resp: 211647

Ion Ratio Lower Upper

63 100

65 28.7 26.2 39.4



#40

Dibromomethane

Concen: 20.319 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

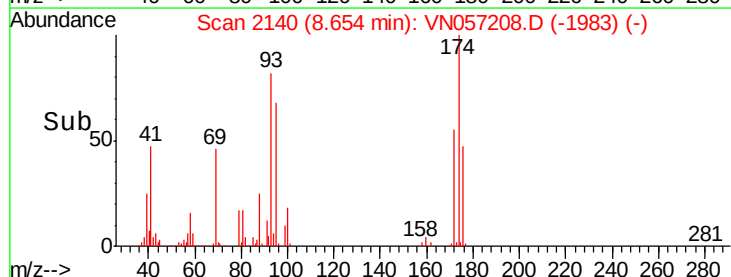
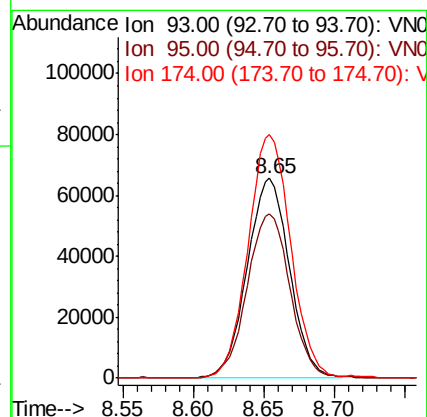
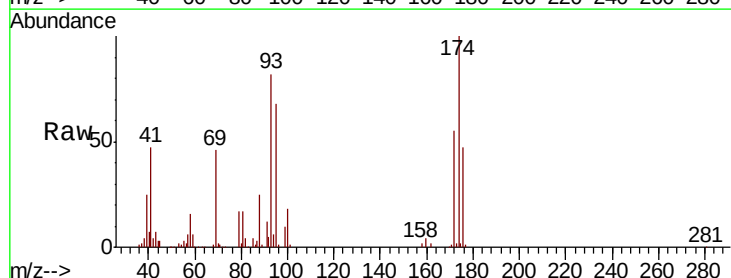
Tgt Ion: 93 Resp: 137751

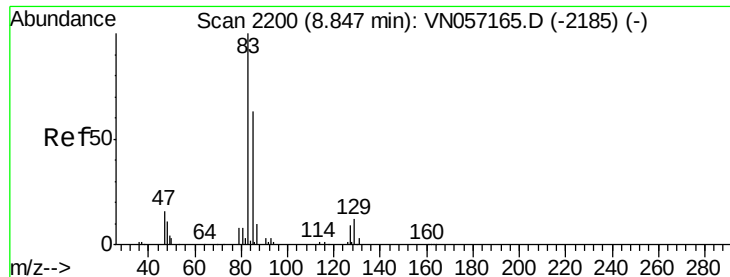
Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.0

174 122.6 0.0 245.4





#41

Bromodichloromethane

Concen: 19.978 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0812WBSD01

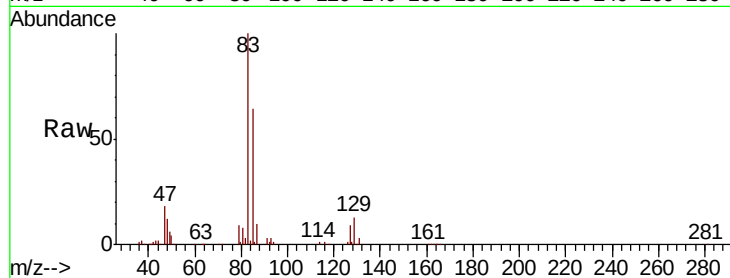
Tgt Ion: 83 Resp: 269302

Ion Ratio Lower Upper

83 100

85 64.1 50.6 76.0

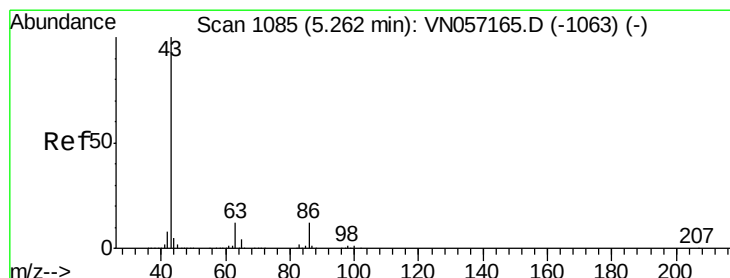
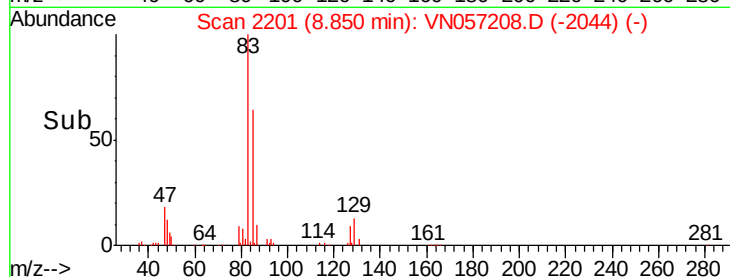
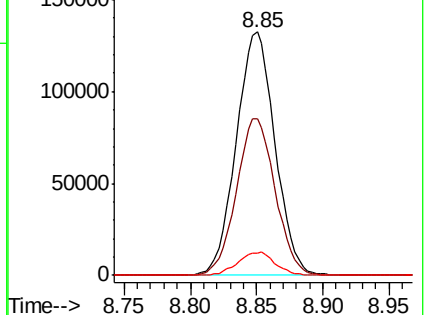
127 9.3 7.0 10.6



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: 100.458 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057208.D

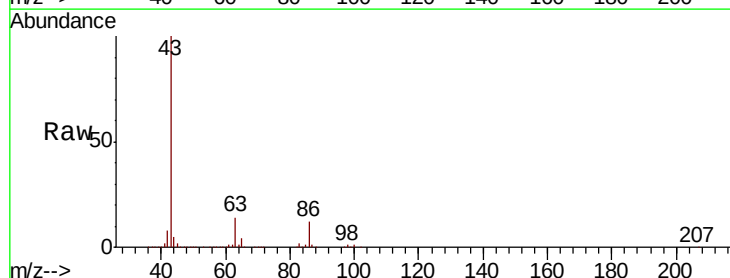
Acq: 12 Aug 2019 11:47

Tgt Ion: 43 Resp: 2200518

Ion Ratio Lower Upper

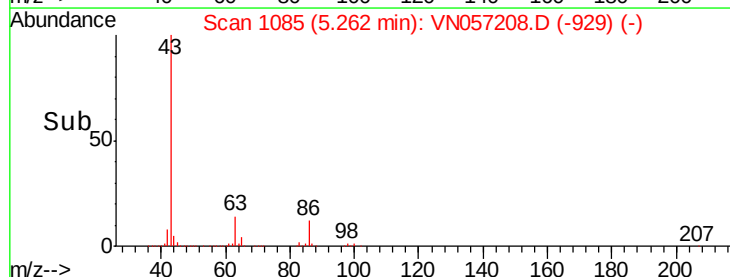
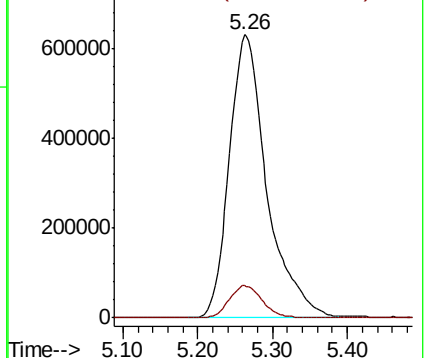
43 100

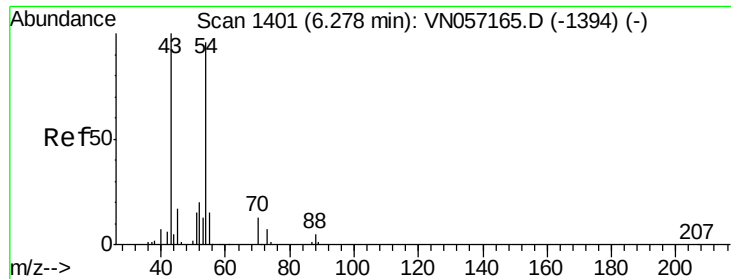
86 10.1 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

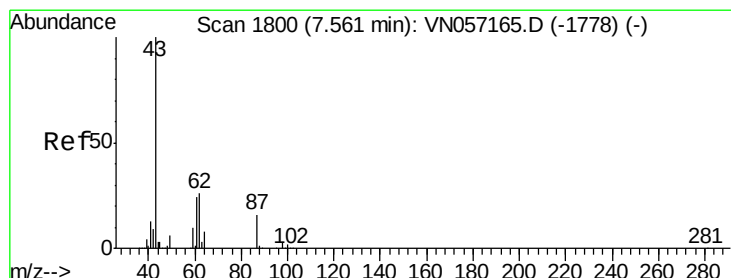
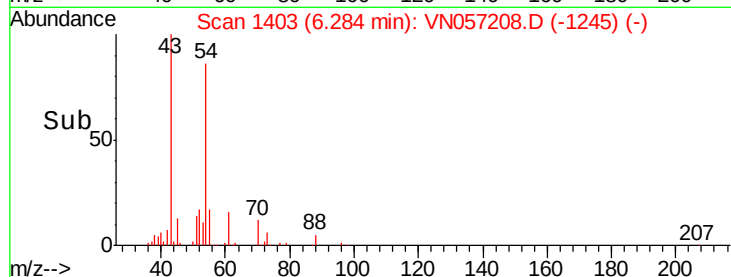
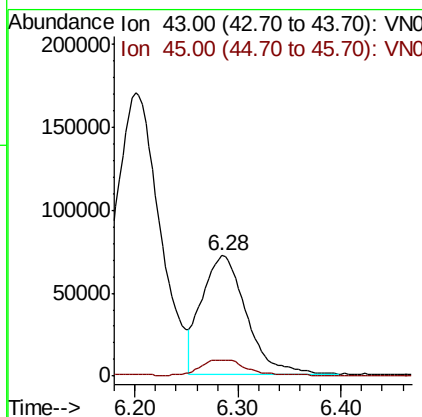
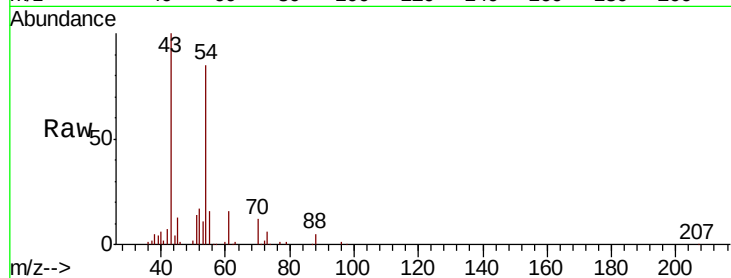




#43
Ethyl Acetate
Concen: 22.068 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

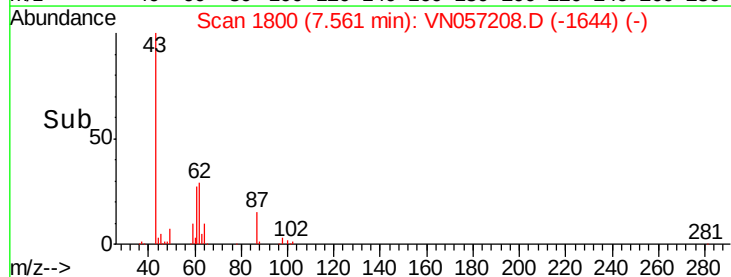
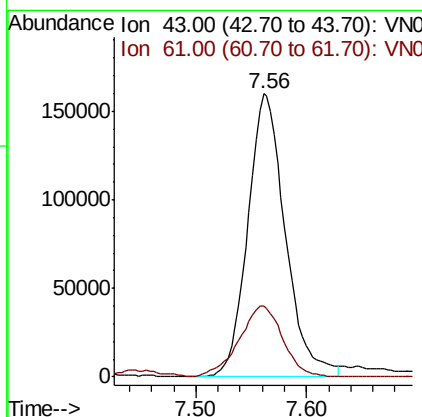
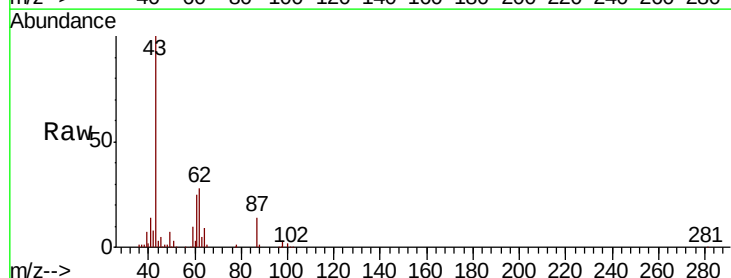
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

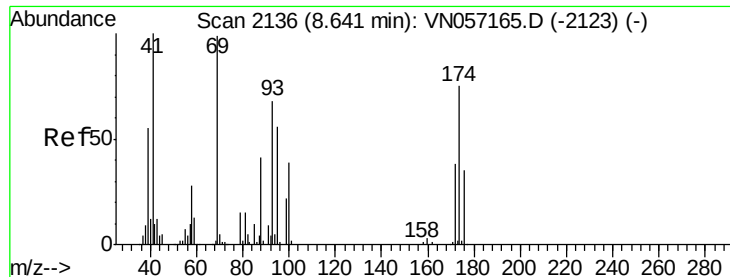
Tgt Ion: 43 Resp: 214453
Ion Ratio Lower Upper
43 100
45 6.5 10.1 15.1#



#44
Isopropyl Acetate
Concen: 21.186 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 43 Resp: 373812
Ion Ratio Lower Upper
43 100
61 28.7 22.2 33.4





#45

1,4-Dioxane

Concen: 413.953 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

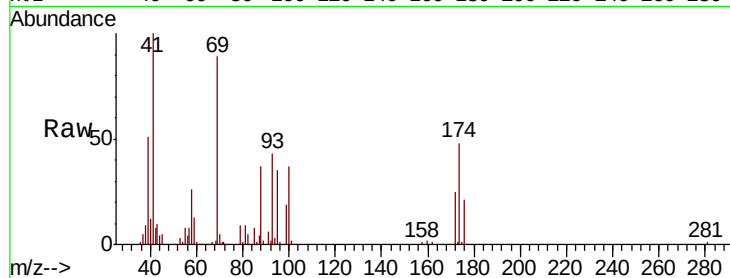
Tgt Ion: 88 Resp: 68160

Ion Ratio Lower Upper

88 100

43 26.8 20.5 30.7

58 66.2 53.8 80.8

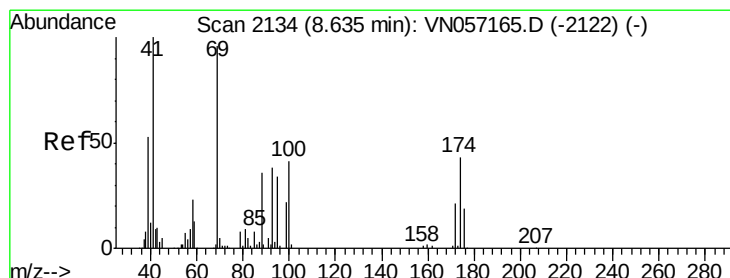
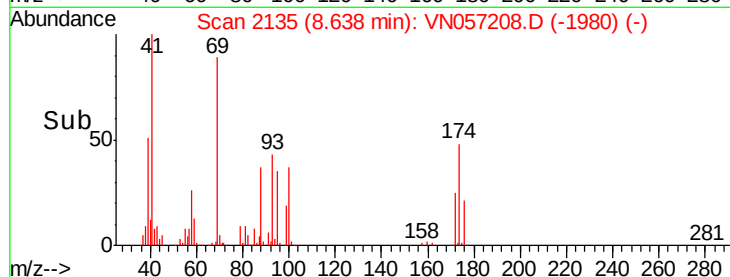
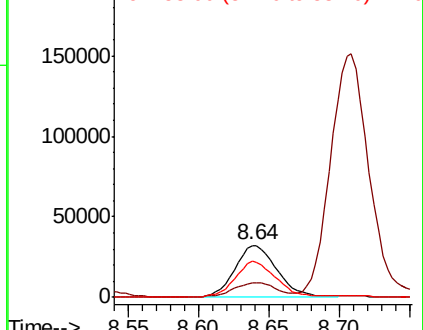


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.039 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

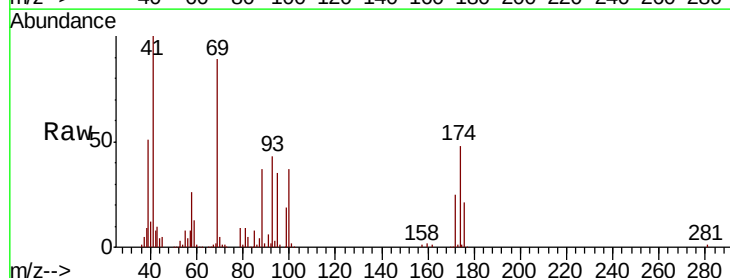
Tgt Ion: 41 Resp: 161206

Ion Ratio Lower Upper

41 100

69 90.1 48.1 144.4

39 50.8 26.5 79.5

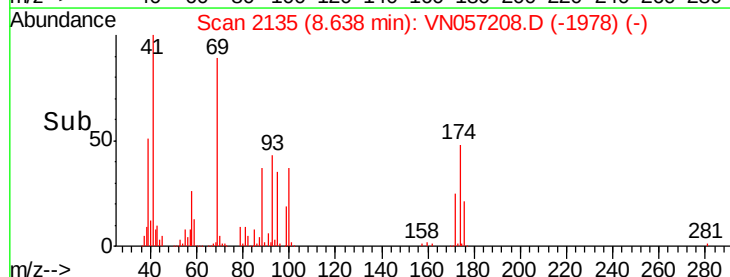
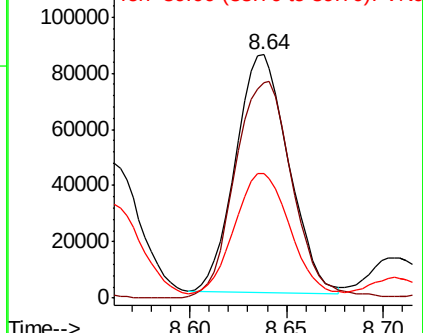


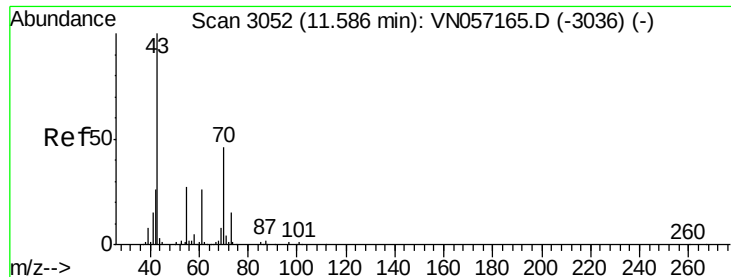
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 18.865 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

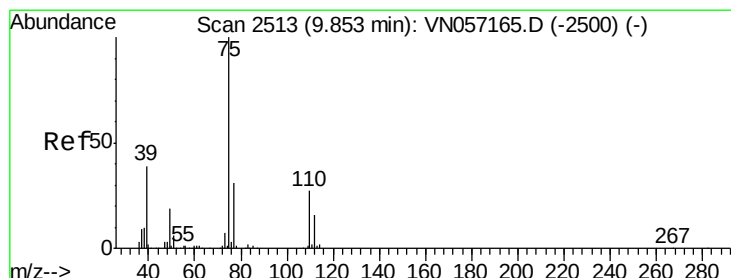
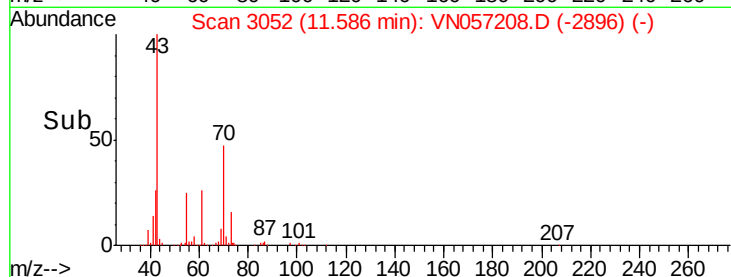
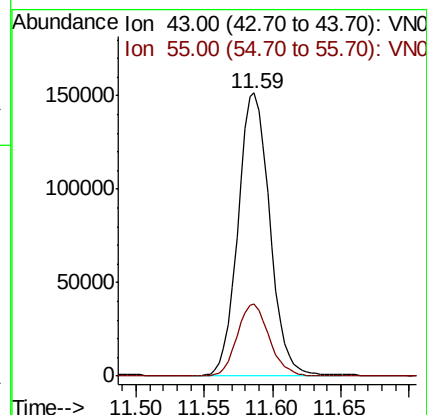
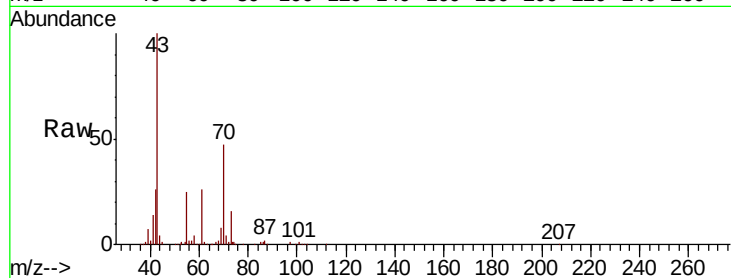
VN0812WBSD01

Tgt Ion: 43 Resp: 244895

Ion Ratio Lower Upper

43 100

55 25.9 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 19.967 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057208.D

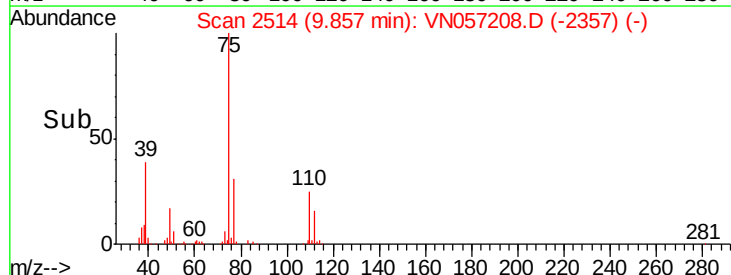
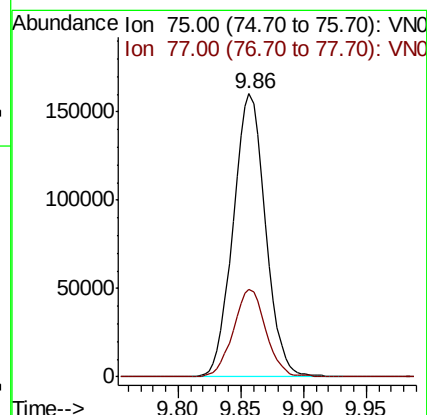
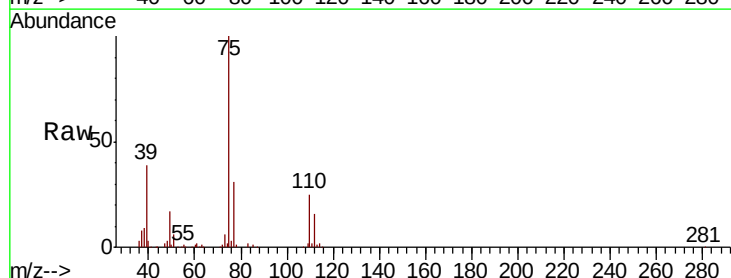
Acq: 12 Aug 2019 11:47

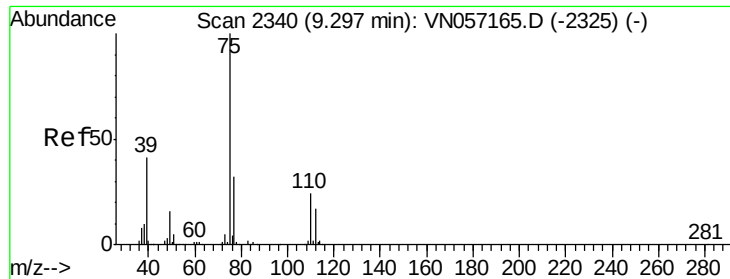
Tgt Ion: 75 Resp: 287006

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



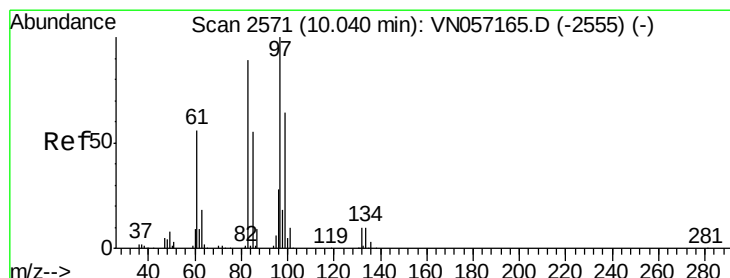
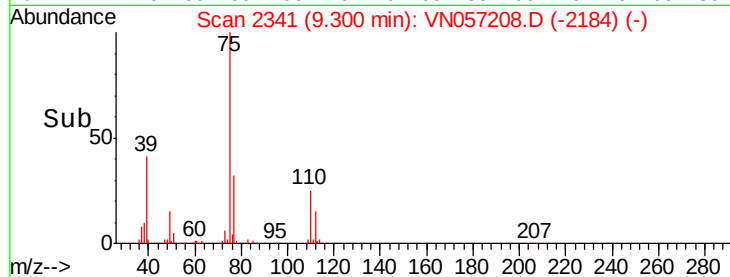
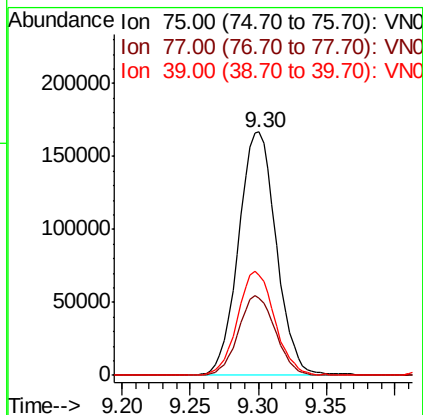
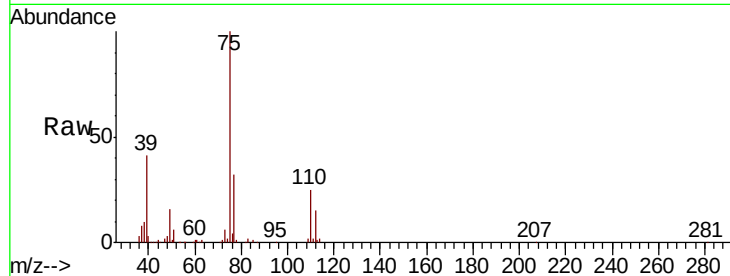


#49

cis-1,3-Dichloropropene
 Concen: 19.661 ug/l
 RT: 9.30 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

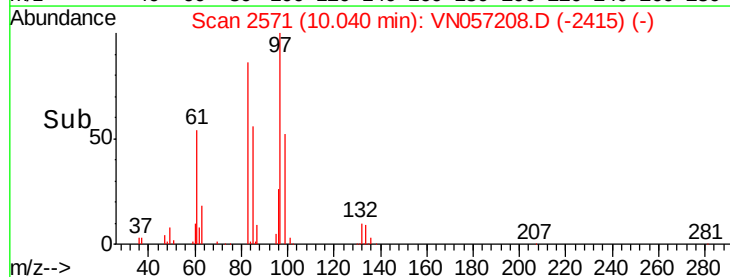
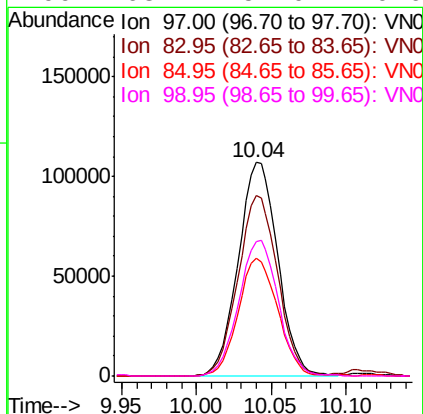
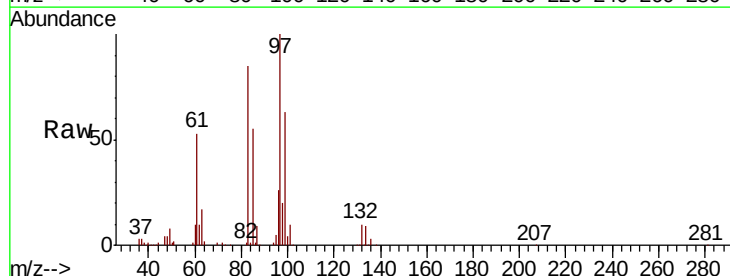
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	41.3	33.0	49.6

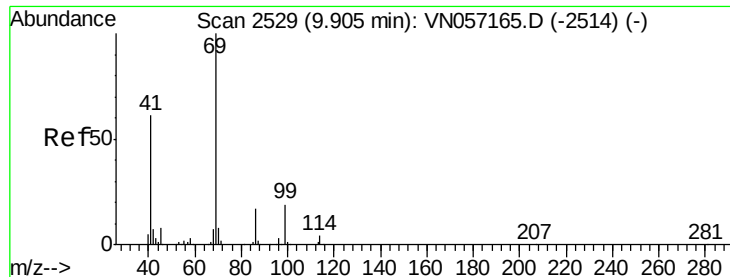


#50

1,1,2-Trichloroethane
 Concen: 20.381 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.4	107.0
85	54.9	43.8	65.8
99	63.1	51.0	76.6





#51

Ethyl methacrylate

Concen: 20.009 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

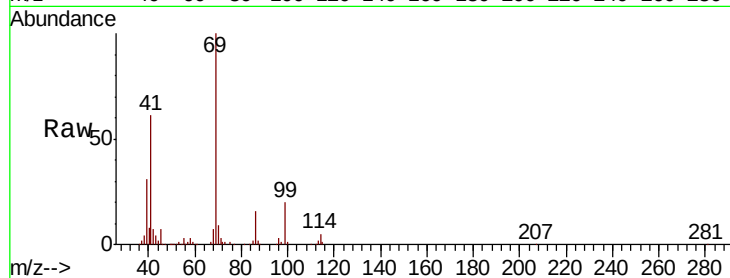
Tgt Ion: 69 Resp: 273591

Ion Ratio Lower Upper

69 100

41 60.8 30.4 91.2

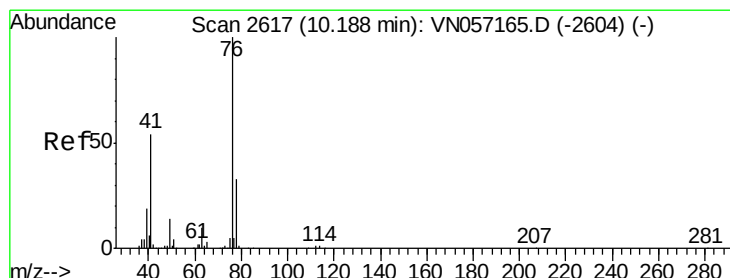
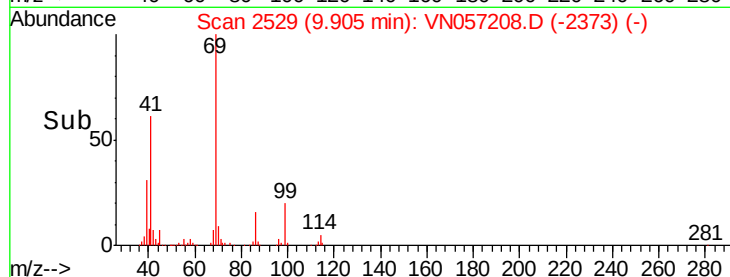
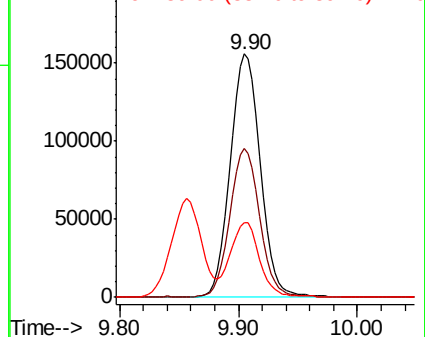
39 30.7 14.8 44.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.996 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057208.D

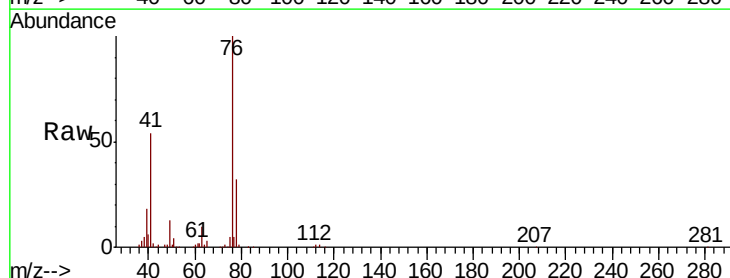
Acq: 12 Aug 2019 11:47

Tgt Ion: 76 Resp: 322948

Ion Ratio Lower Upper

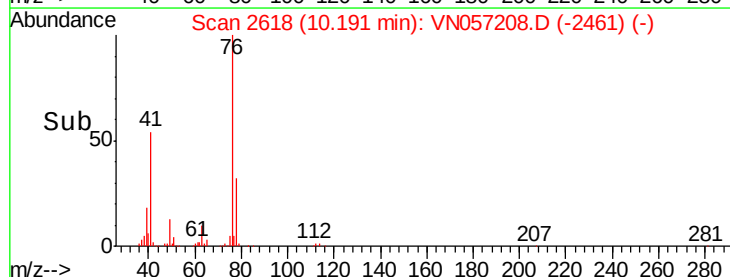
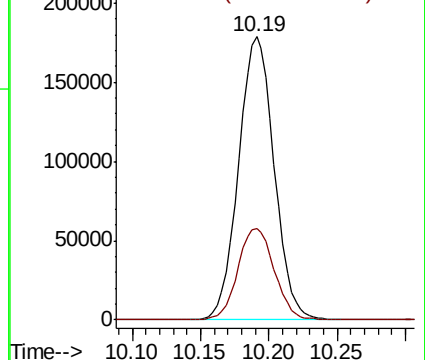
76 100

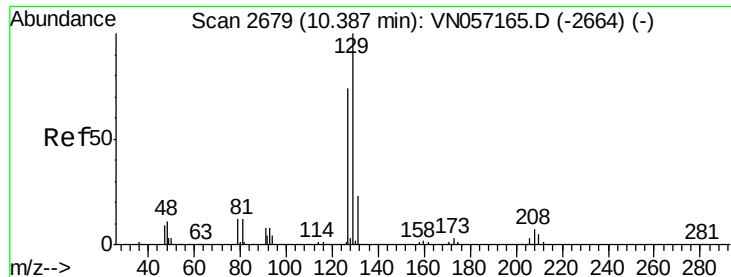
78 33.0 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

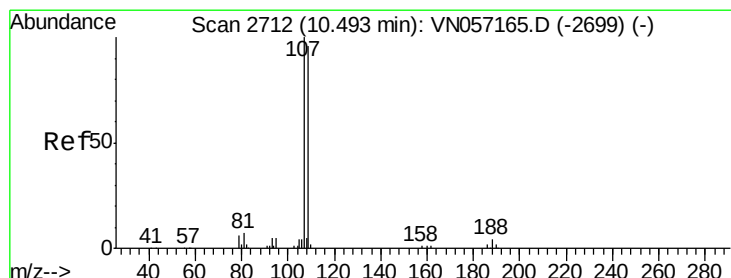
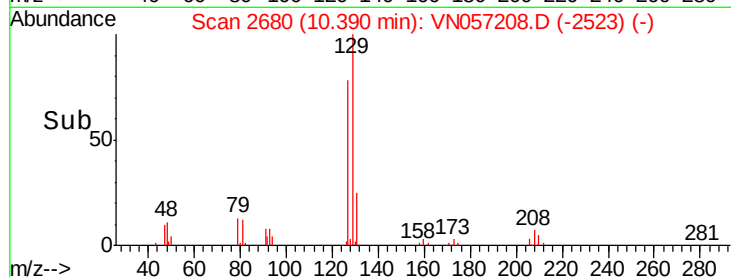
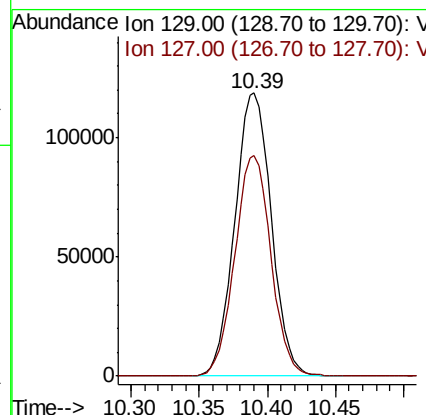
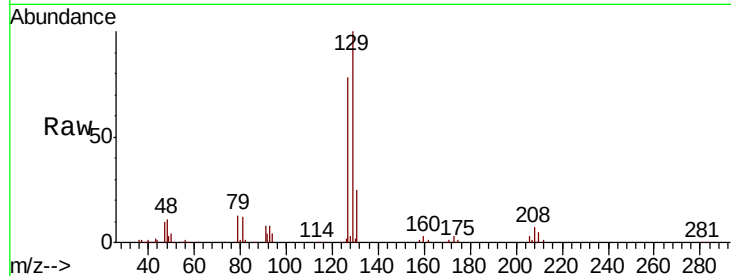




#53
 Dibromochloromethane
 Concen: 20.225 ug/l
 RT: 10.39 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

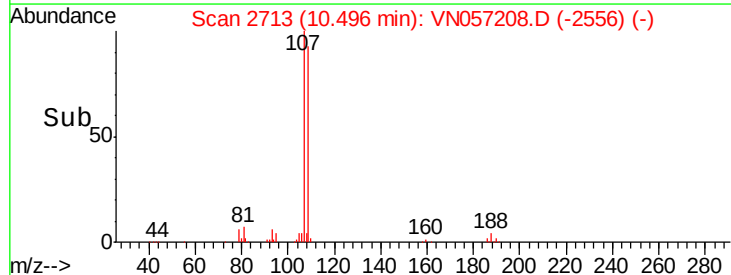
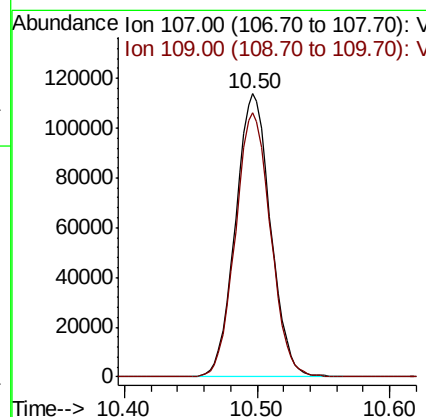
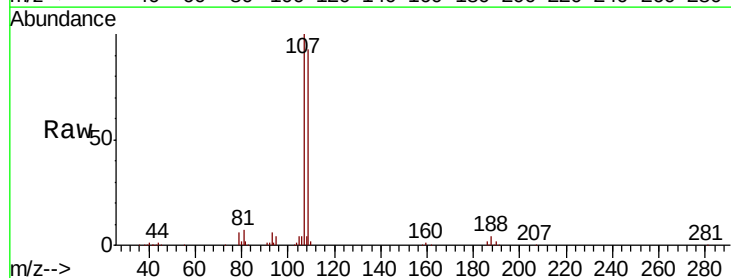
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

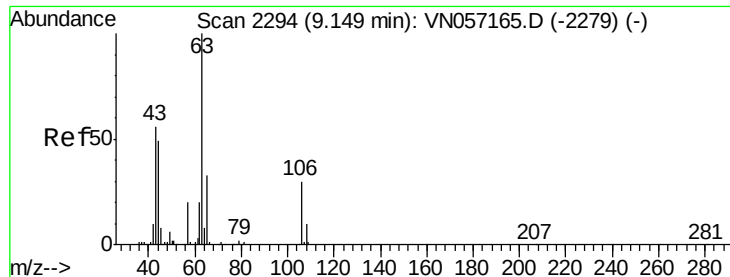
Tgt Ion:129 Resp: 220820
 Ion Ratio Lower Upper
 129 100
 127 77.2 38.2 114.6



#54
 1,2-Dibromoethane
 Concen: 20.632 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion:107 Resp: 208680
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.8 115.2

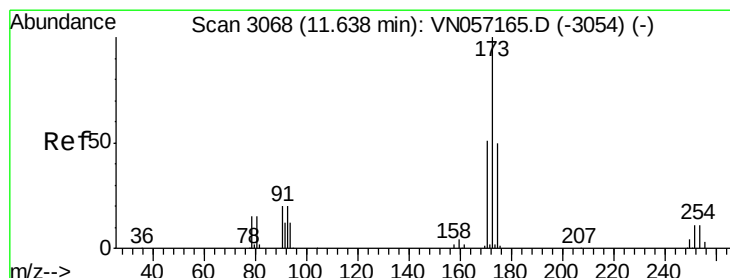
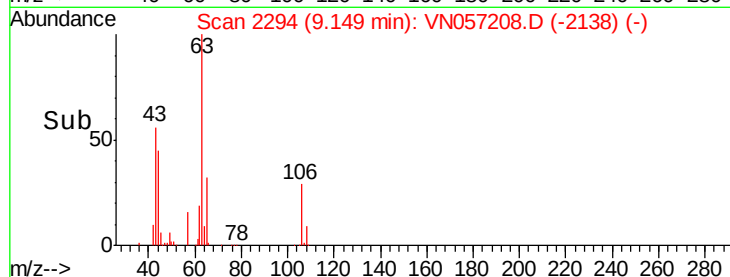
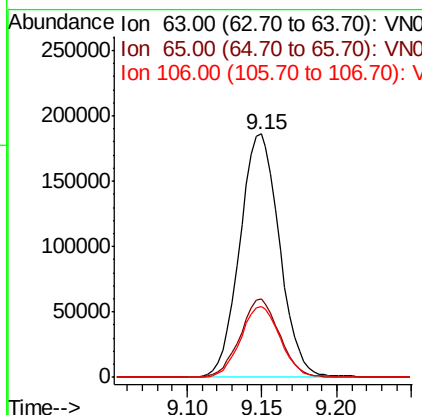
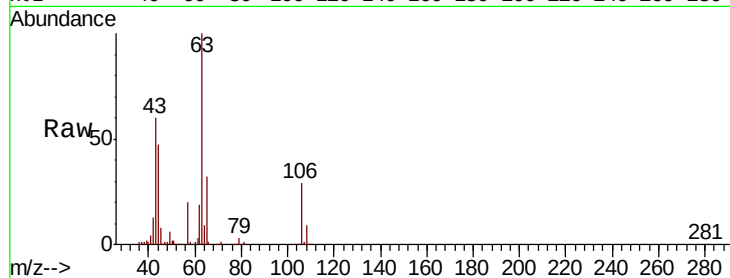




#55
 2-Chloroethyl vinyl ether
 Concen: 89.081 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

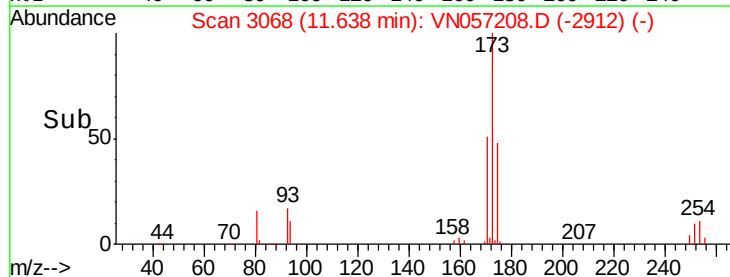
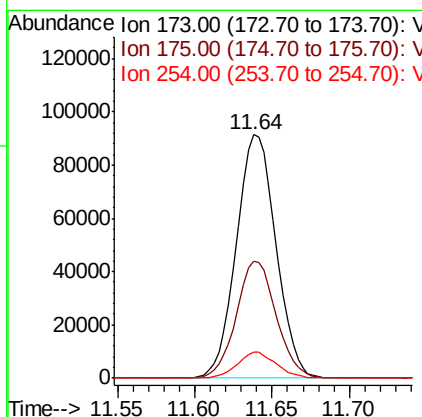
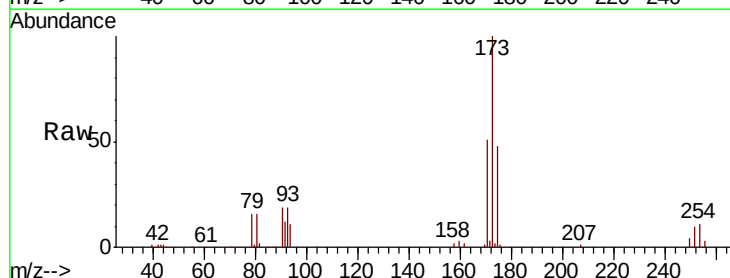
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD01

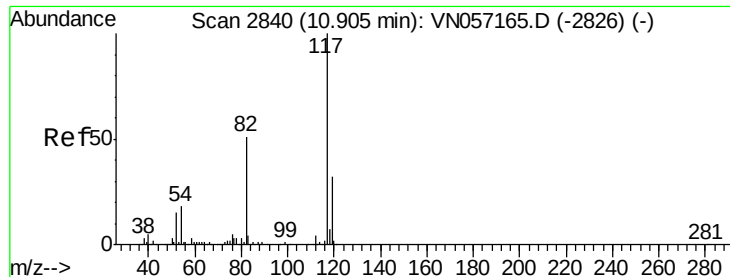
Tgt Ion: 63 Resp: 343922
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.0 39.0
 106 29.3 23.3 34.9



#56
 Bromoform
 Concen: 20.176 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion: 173 Resp: 162778
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.4
 254 10.4 8.6 13.0

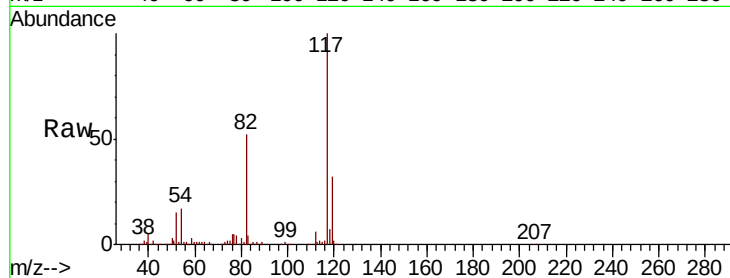




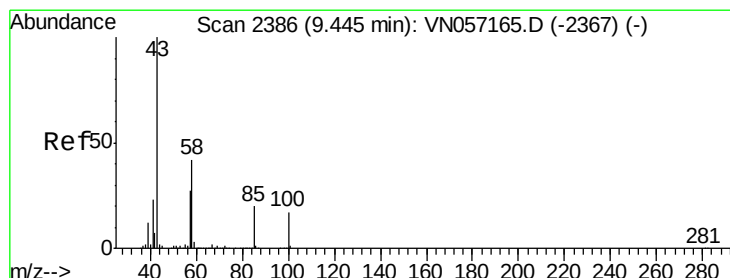
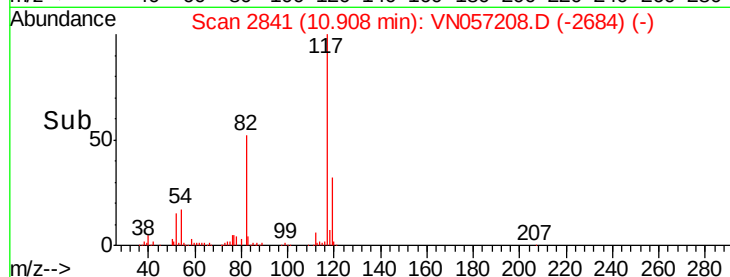
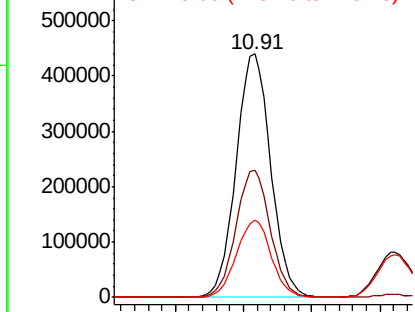
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tgt Ion: 117 Resp: 774093
Ion Ratio Lower Upper
117 100
82 51.8 41.5 62.3
119 31.8 26.1 39.1

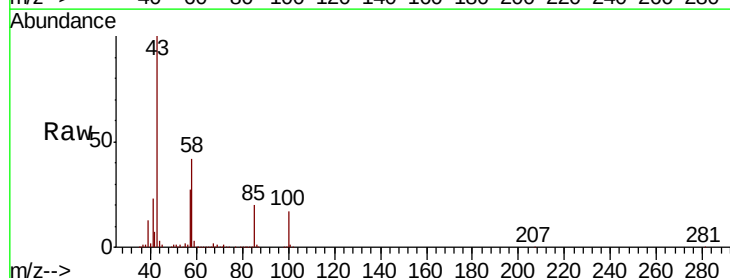


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

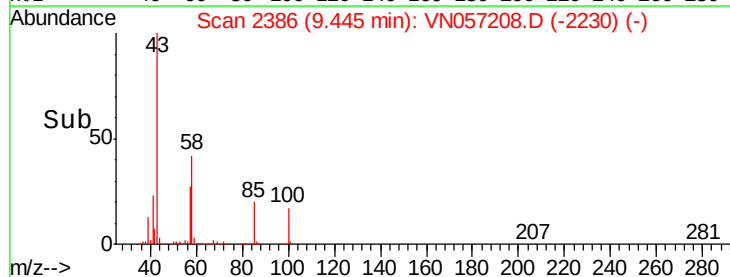
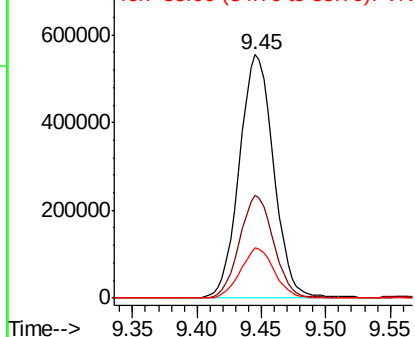


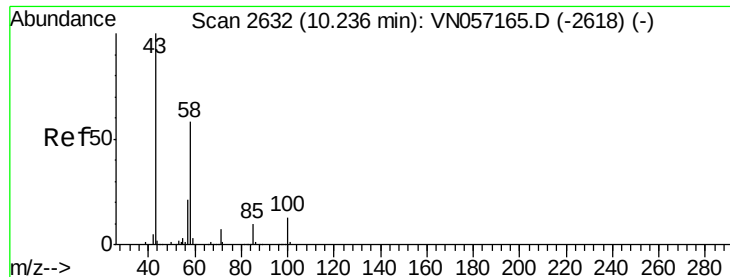
#58
4-Methyl-2-Pentanone
Concen: 102.907 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 43 Resp: 1023337
Ion Ratio Lower Upper
43 100
58 42.1 32.8 49.2
85 20.4 16.4 24.6



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

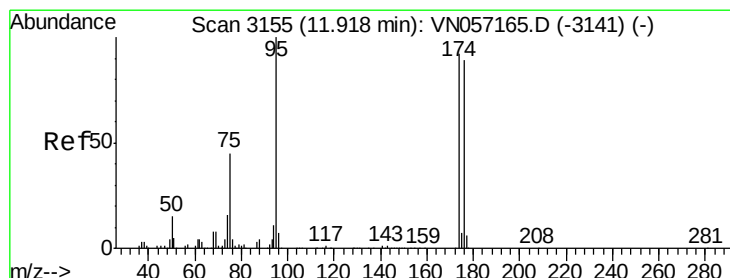
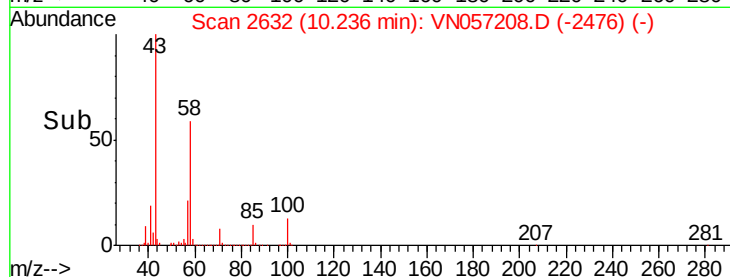
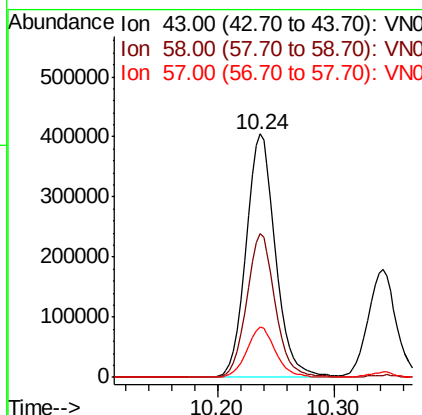
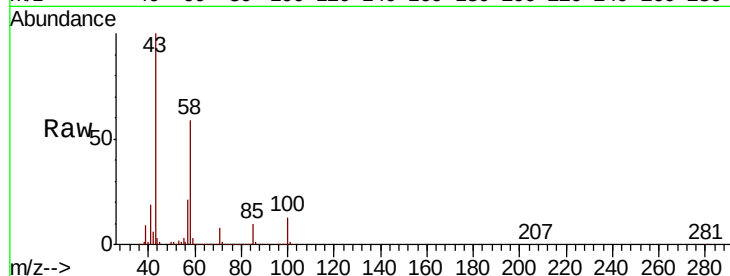




#59
2-Hexanone
Concen: 99.908 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

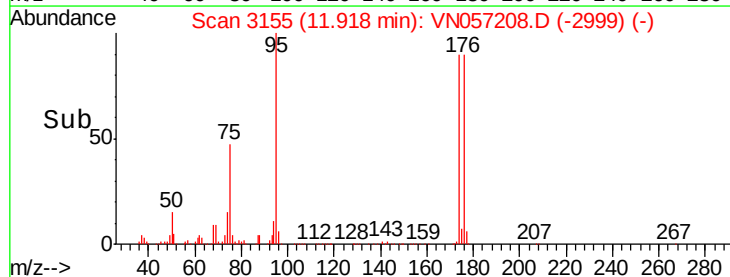
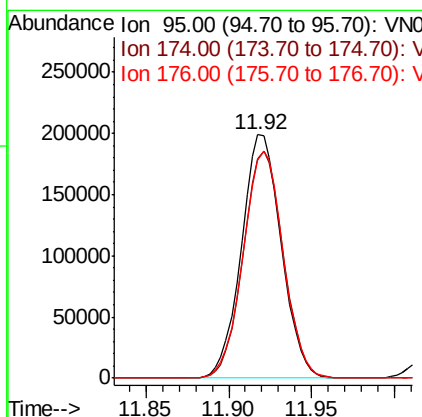
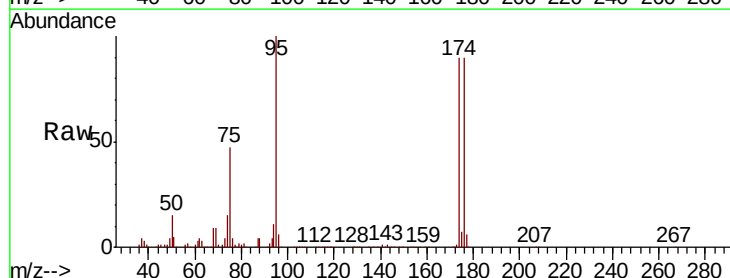
Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

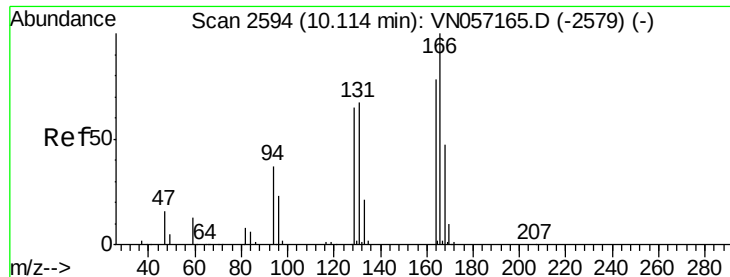
Tgt Ion: 43 Resp: 714286
Ion Ratio Lower Upper
43 100
58 57.5 45.4 68.2
57 20.3 16.1 24.1



#60
4-Bromofluorobenzene
Concen: 28.874 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 95 Resp: 332806
Ion Ratio Lower Upper
95 100
174 93.2 74.9 112.3
176 93.6 72.1 108.1





#61

Tetrachloroethene

Concen: 20.292 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tgt Ion:164 Resp: 241092

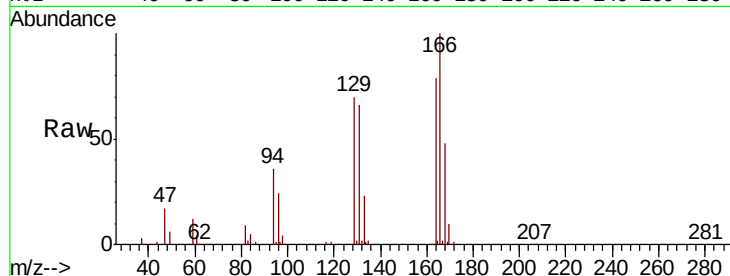
Ion Ratio Lower Upper

164 100

166 126.1 103.0 154.6

129 87.8 67.3 100.9

131 83.1 68.5 102.7

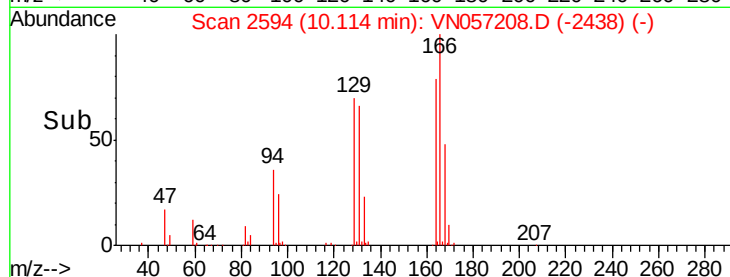


Abundance Ion 163.85 (163.55 to 164.55): V

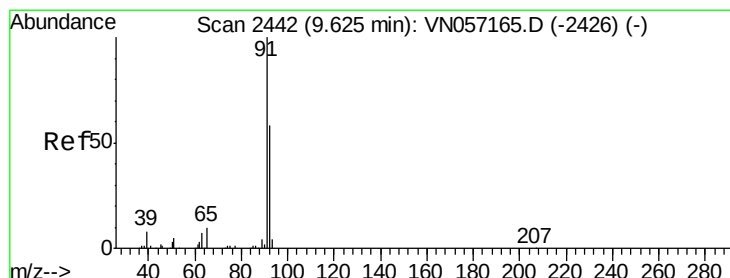
Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



#62

Toluene

Concen: 20.194 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VN057208.D

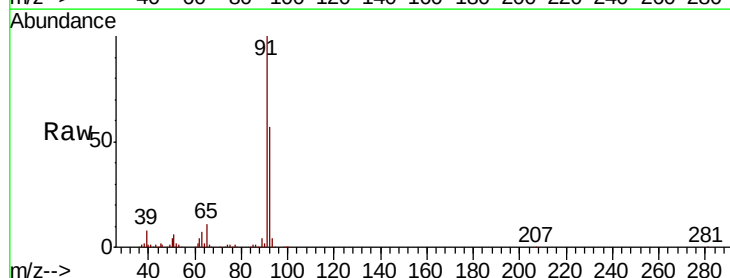
Acq: 12 Aug 2019 11:47

Tgt Ion: 91 Resp: 889774

Ion Ratio Lower Upper

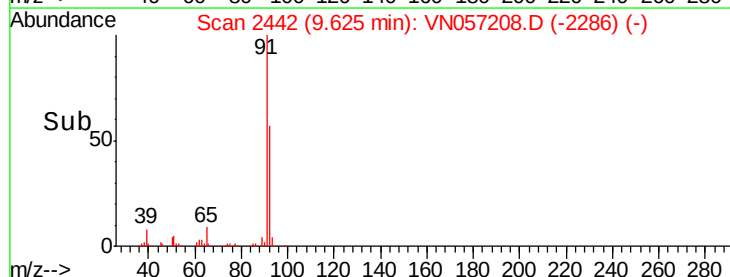
91 100

92 57.1 46.1 69.1

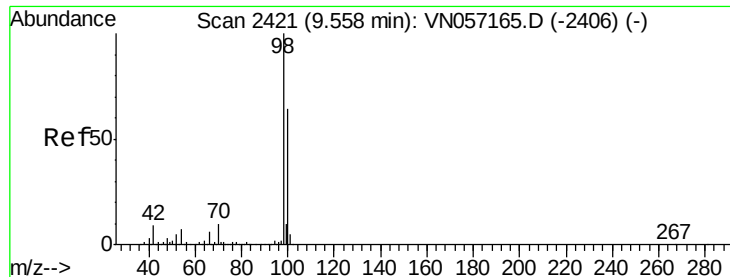


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



Time-->



#63

Toluene-d8

Concen: 30.279 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

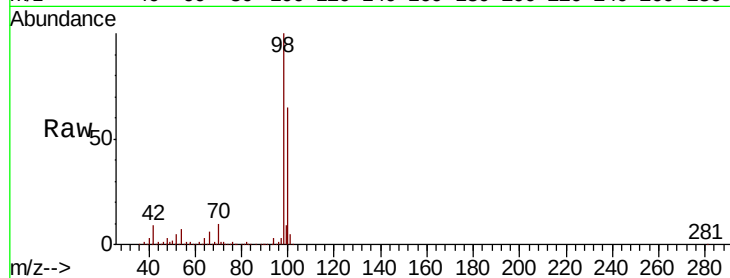
VN0812WBSD01

Tgt Ion: 98 Resp: 1081974

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VN057165.D (-2406) (-)

Ion 100.00 (99.70 to 100.70): VN057208.D (-2265) (-)

9.56

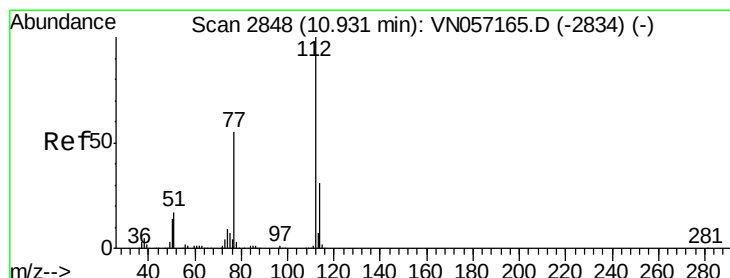
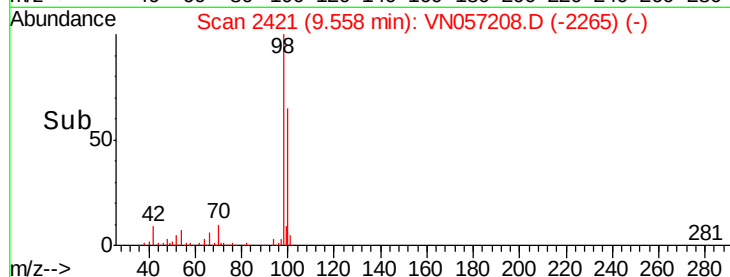
600000

400000

200000

0

Time--> 9.45 9.50 9.55 9.60 9.65



#64

Chlorobenzene

Concen: 19.825 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VN057208.D

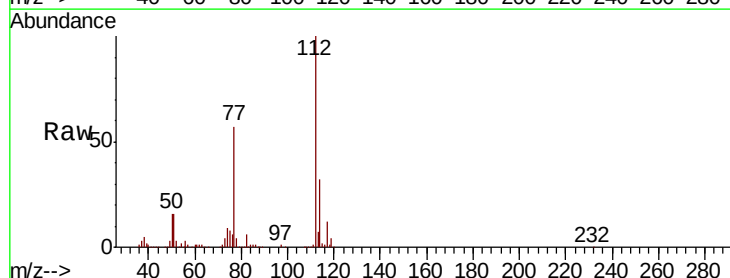
Acq: 12 Aug 2019 11:47

Tgt Ion: 112 Resp: 537273

Ion Ratio Lower Upper

112 100

114 32.4 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN057165.D (-2834) (-)

Ion 114.00 (113.70 to 114.70): VN057208.D (-2692) (-)

10.93

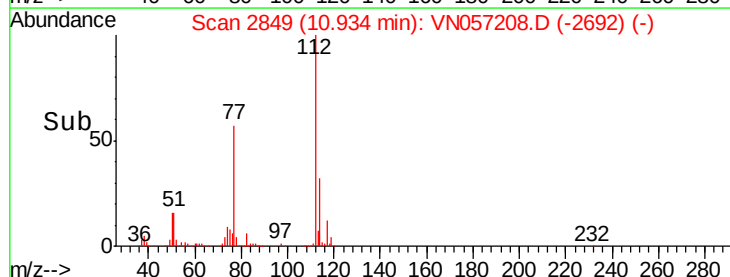
300000

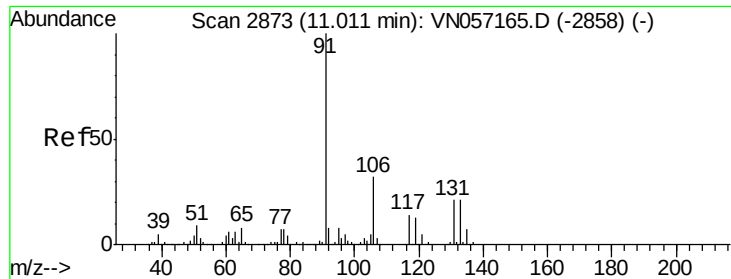
200000

100000

0

Time--> 10.85 10.90 10.95 11.00





#65

1,1,1,2-Tetrachloroethane

Concen: 20.330 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0812WBSD01

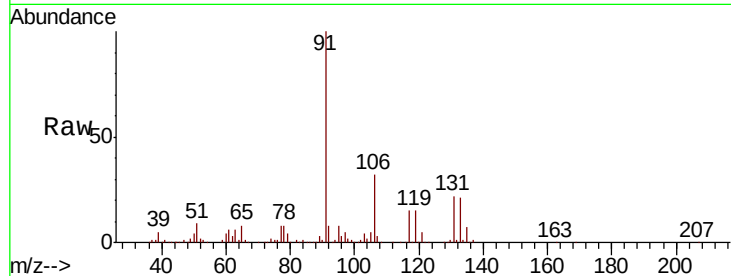
Tgt Ion:131 Resp: 211282

Ion Ratio Lower Upper

131 100

133 95.0 0.0 196.0

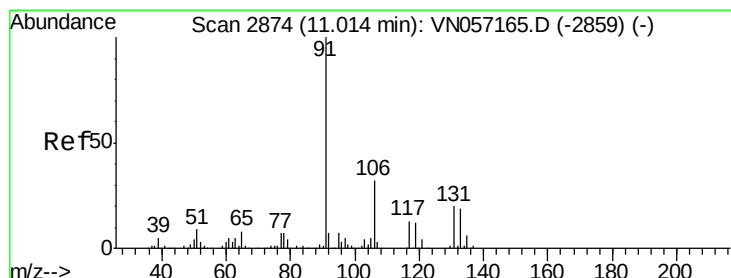
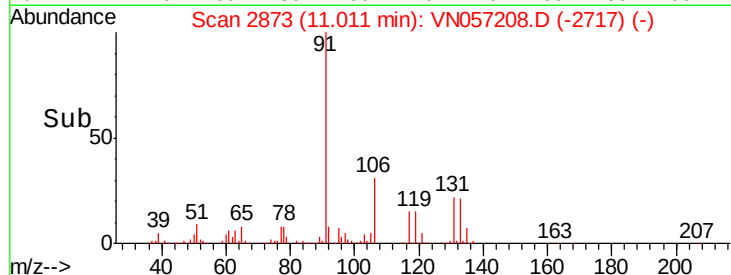
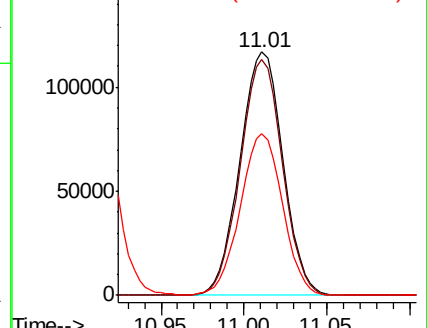
119 65.4 0.0 132.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.774 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN057208.D

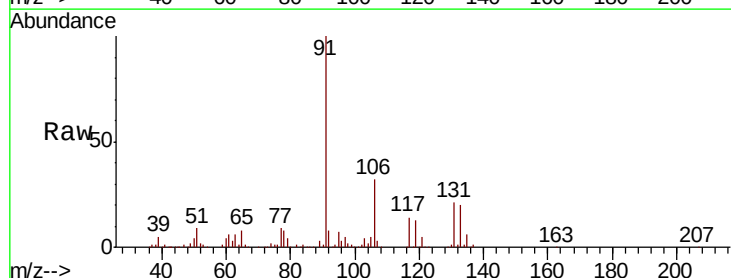
Acq: 12 Aug 2019 11:47

Tgt Ion: 91 Resp: 933935

Ion Ratio Lower Upper

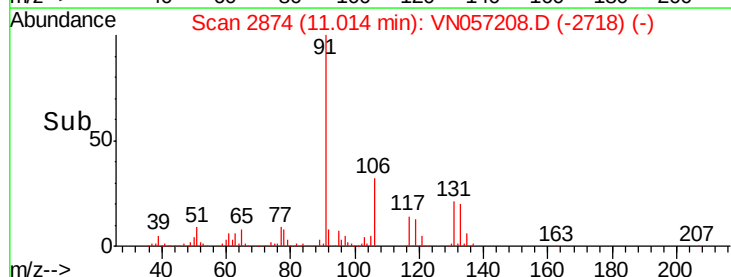
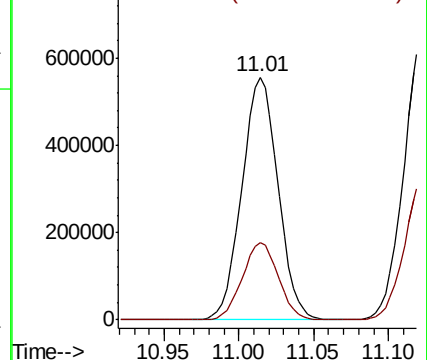
91 100

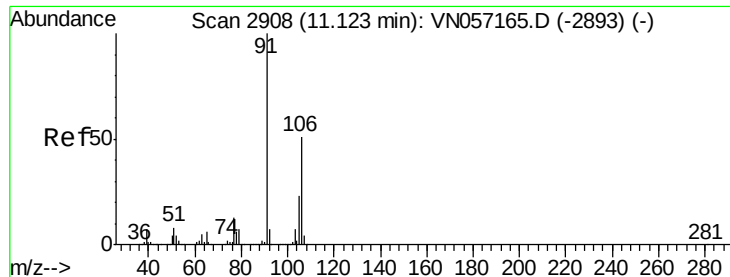
106 32.0 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

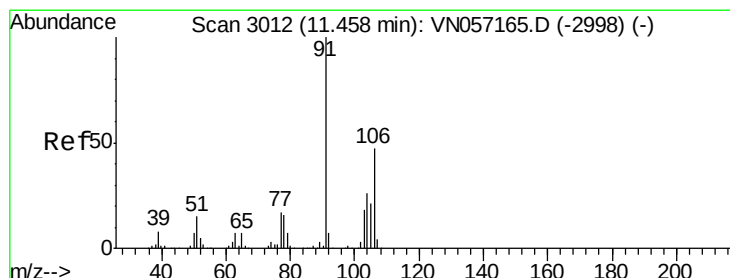
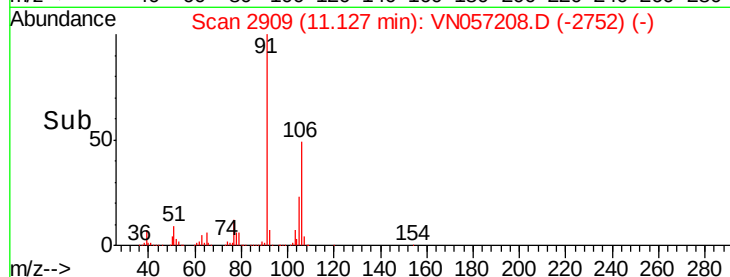
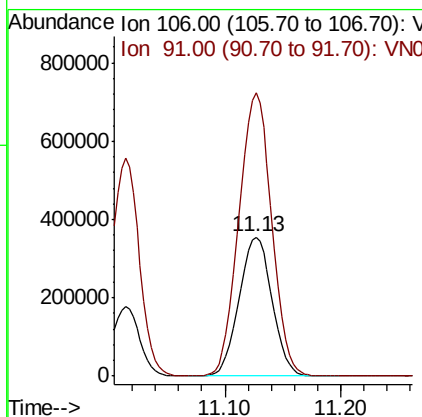
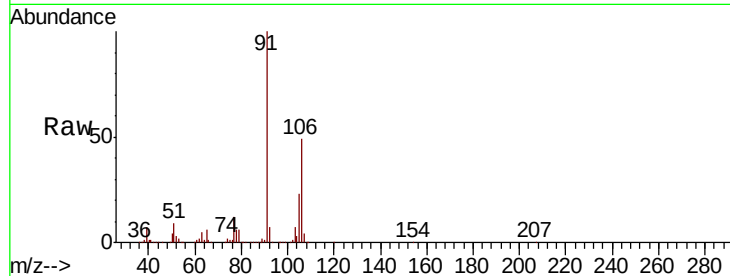




#67
m/p-Xylenes
Concen: 39.433 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

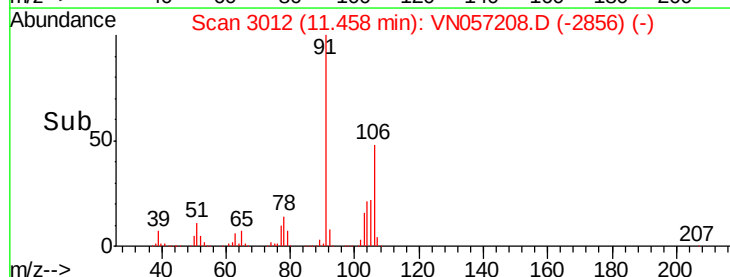
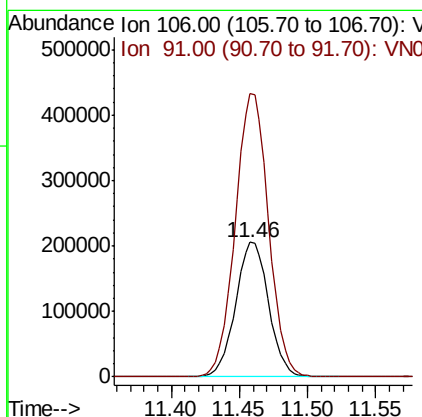
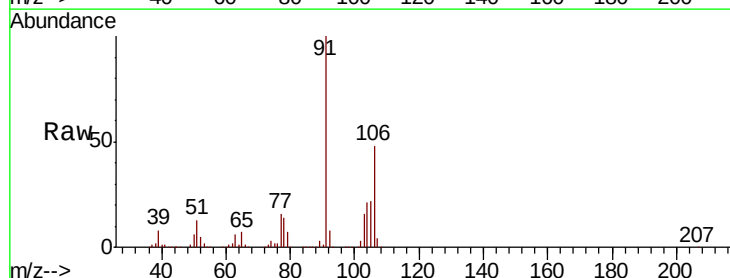
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

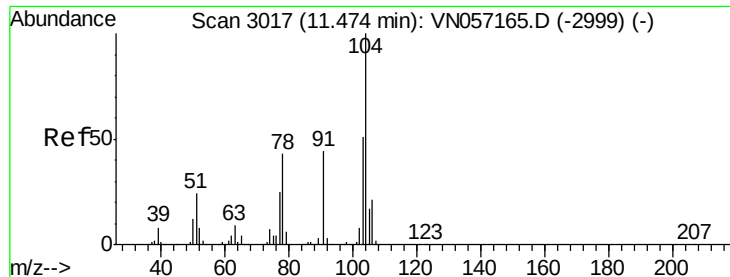
Tgt Ion:106 Resp: 702354
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7



#68
o-Xylene
Concen: 19.931 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion:106 Resp: 344653
Ion Ratio Lower Upper
106 100
91 212.1 105.3 315.8





#69

Styrene

Concen: 19.294 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

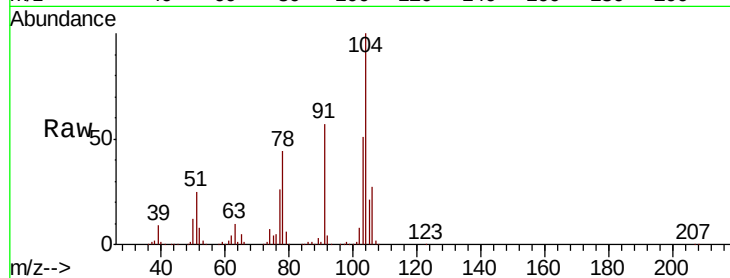
Tgt Ion:104 Resp: 535000

Ion Ratio Lower Upper

104 100

78 48.5 38.7 58.1

103 55.8 44.3 66.5

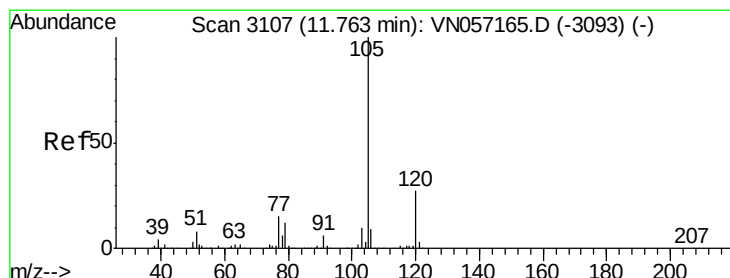
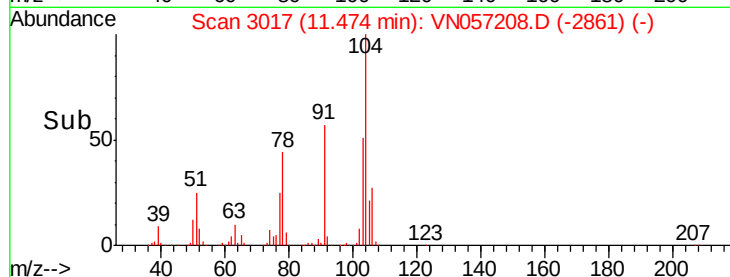
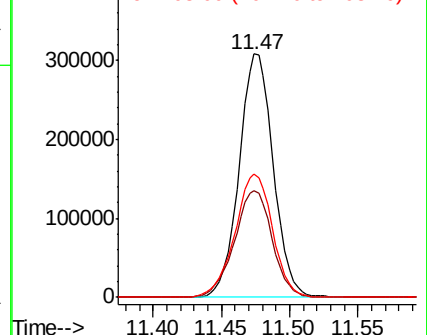


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.754 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057208.D

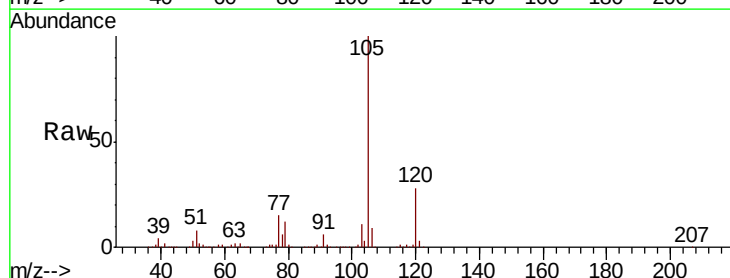
Acq: 12 Aug 2019 11:47

Tgt Ion:105 Resp: 919677

Ion Ratio Lower Upper

105 100

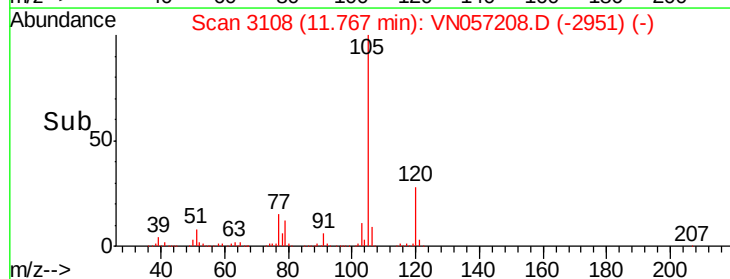
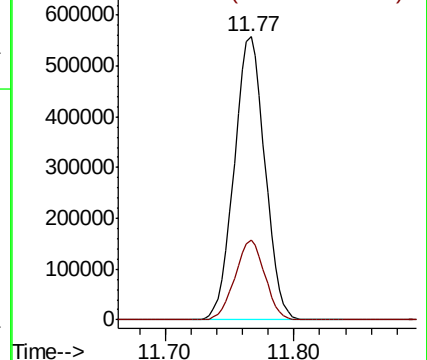
120 27.4 19.1 35.5

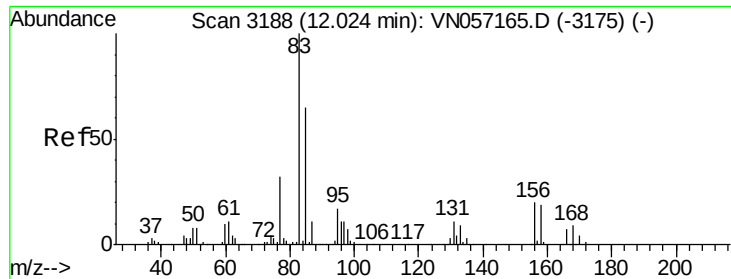


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

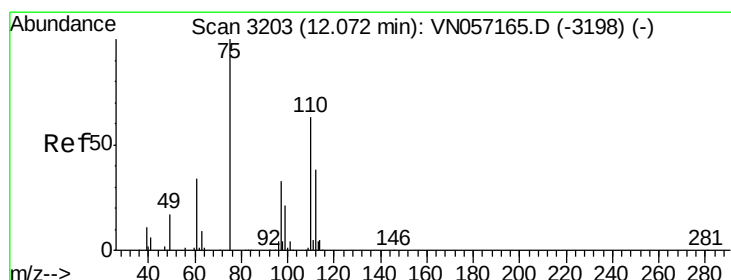
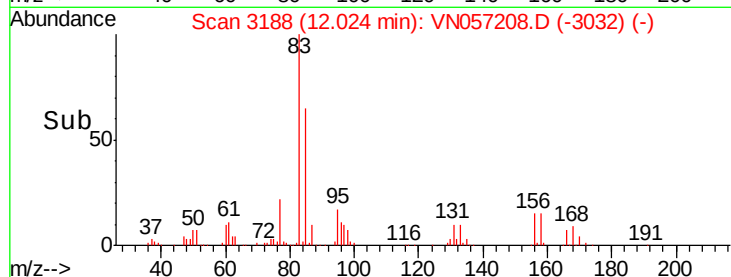
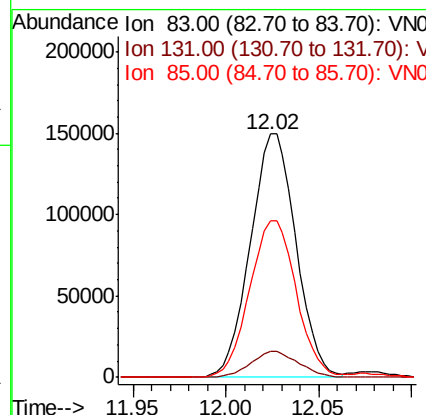
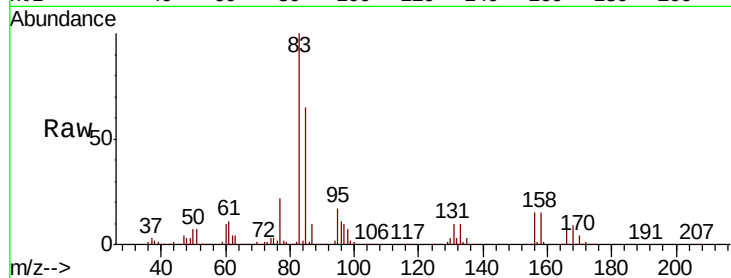




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.040 ug/l
 RT: 12.02 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

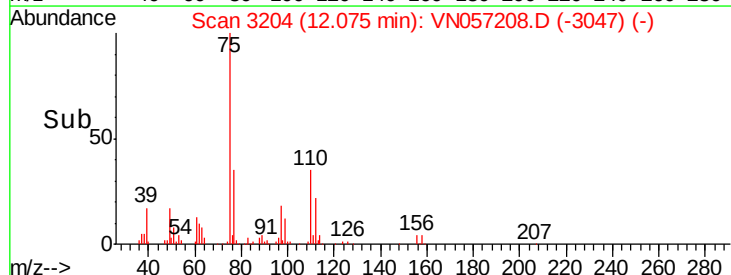
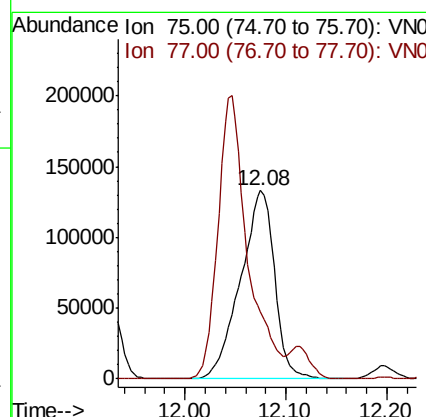
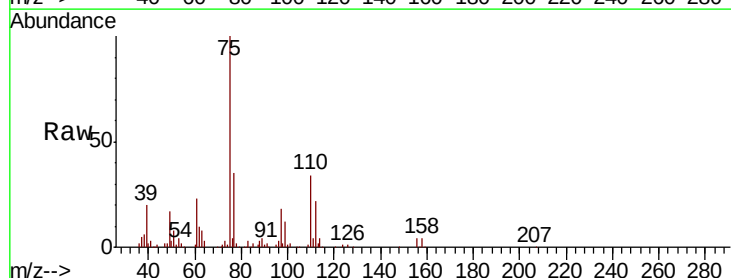
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

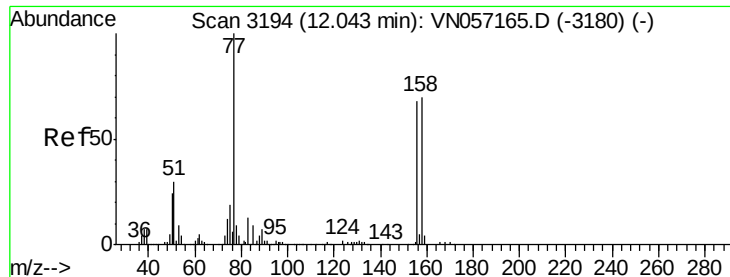
Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	65.6	32.6	98.0



#72
 1,2,3-Trichloropropane
 Concen: 27.923 ug/l
 RT: 12.08 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	131.7	0.0	379.4





#73

Bromobenzene

Concen: 19.871 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

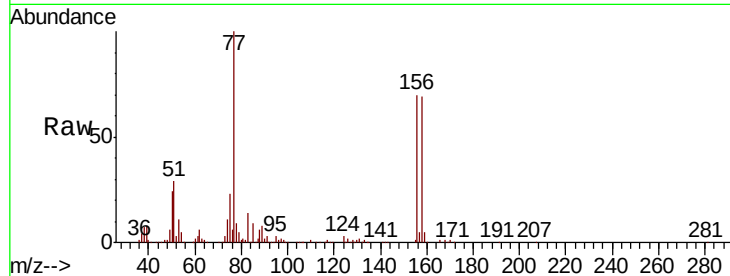
Tgt Ion:156 Resp: 239895

Ion Ratio Lower Upper

156 100

77 171.1 0.0 361.6

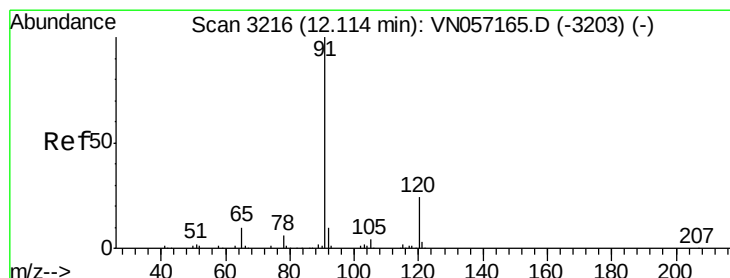
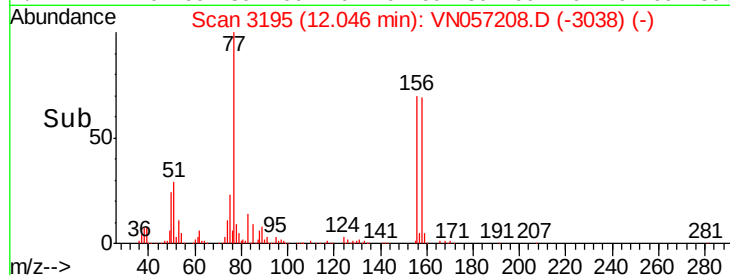
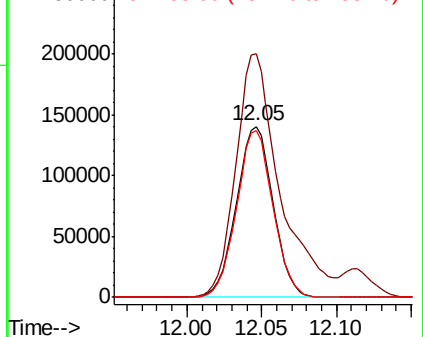
158 96.9 0.0 200.6



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: 18.868 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VN057208.D

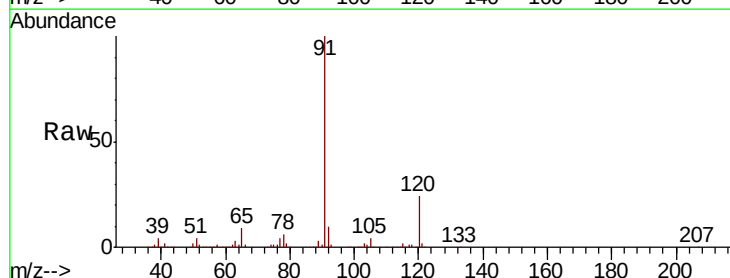
Acq: 12 Aug 2019 11:47

Tgt Ion: 91 Resp: 922165

Ion Ratio Lower Upper

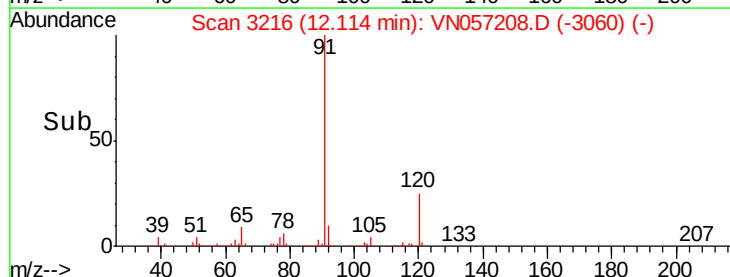
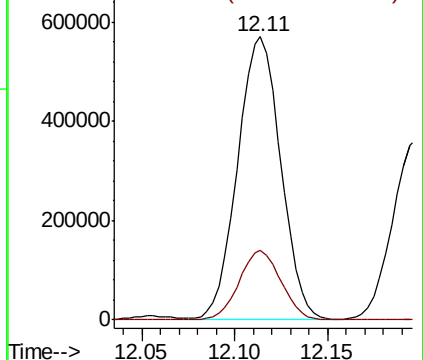
91 100

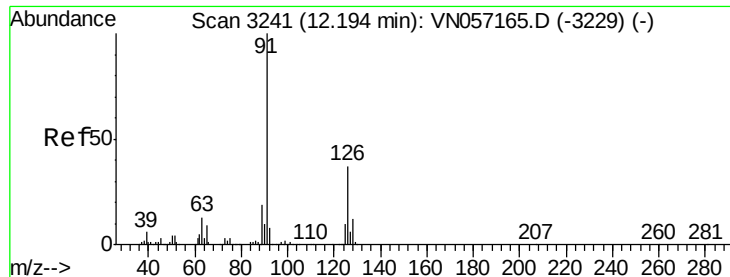
120 23.9 0.0 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.917 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

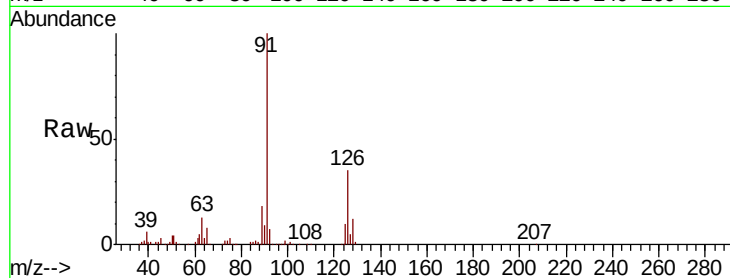
VN0812WBSD01

Tgt Ion: 91 Resp: 602087

Ion Ratio Lower Upper

91 100

126 36.4 0.0 73.4



Abundance Ion 91.00 (90.70 to 91.70): VN057165.D (-3229) (-)

Ion 126.00 (125.70 to 126.70): VN057165.D (-3229) (-)

600000

500000

400000

300000

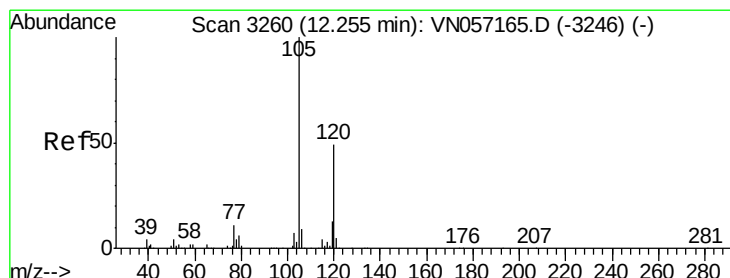
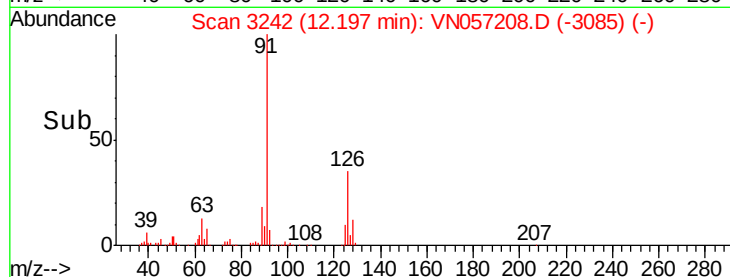
200000

100000

0

12.15 12.20 12.25

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.375 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057208.D

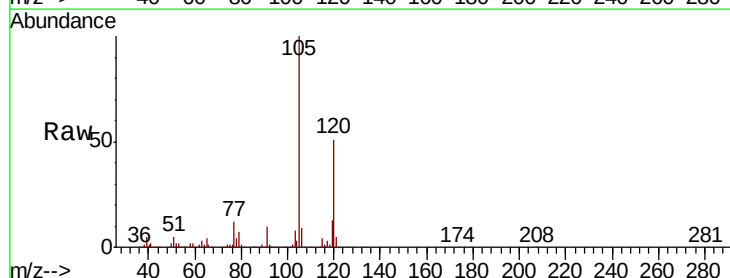
Acq: 12 Aug 2019 11:47

Tgt Ion: 105 Resp: 759525

Ion Ratio Lower Upper

105 100

120 49.8 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057165.D (-3246) (-)

Ion 120.00 (119.70 to 120.70): VN057165.D (-3246) (-)

500000

400000

300000

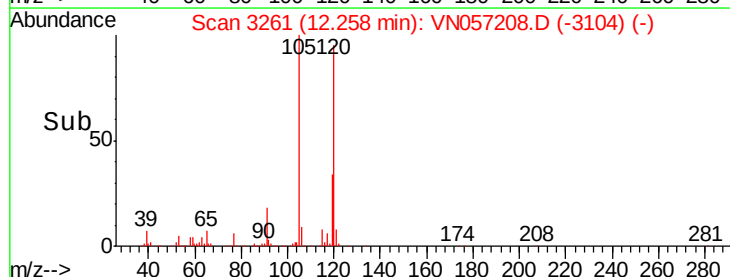
200000

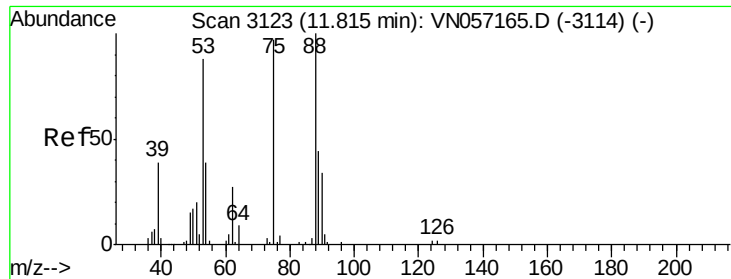
100000

0

12.20 12.30

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.923 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057208.D

Acq: 12 Aug 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

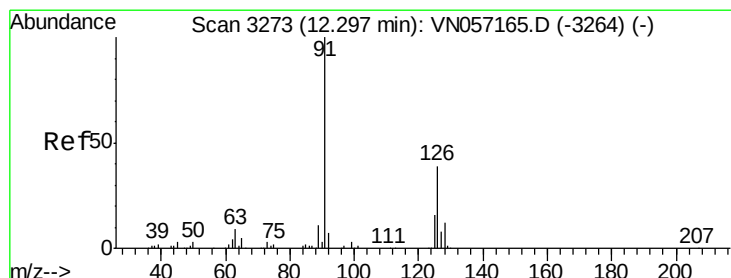
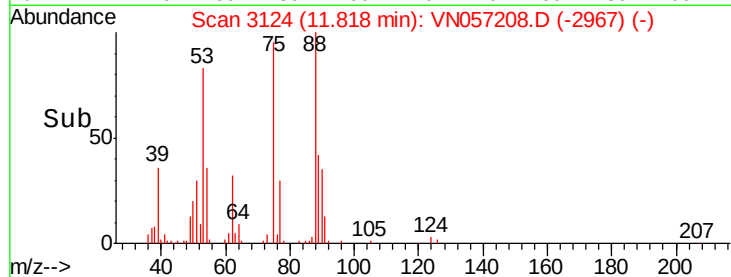
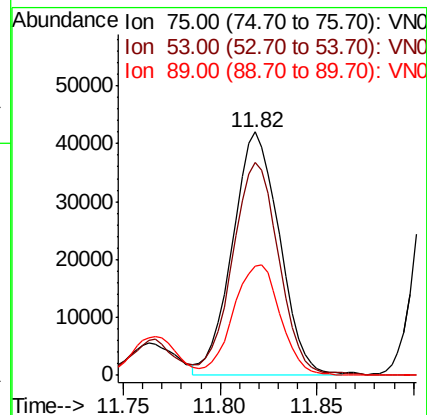
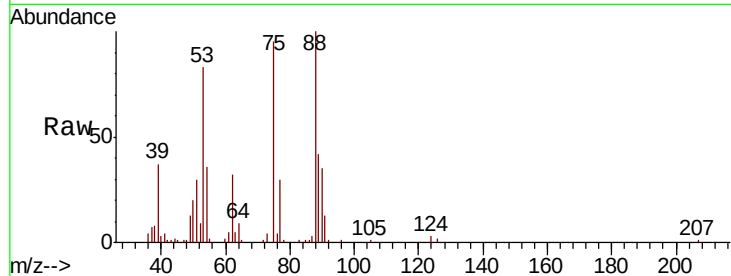
Tgt Ion: 75 Resp: 71069

Ion Ratio Lower Upper

75 100

53 87.3 45.4 136.2

89 45.1 23.5 70.6



#78

4-Chlorotoluene

Concen: 18.801 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057208.D

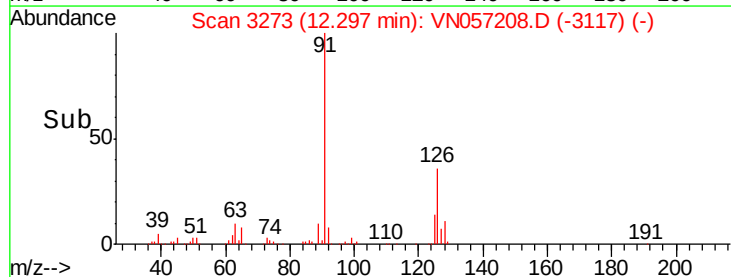
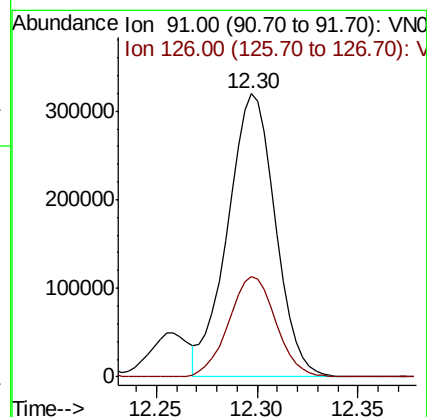
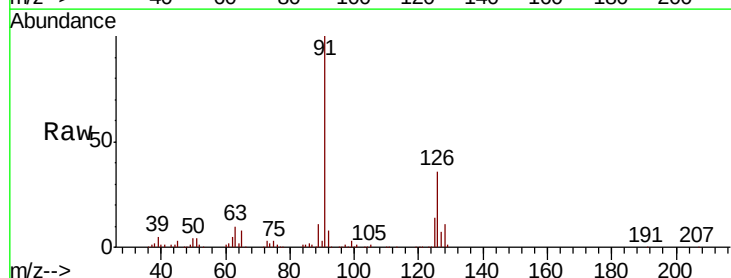
Acq: 12 Aug 2019 11:47

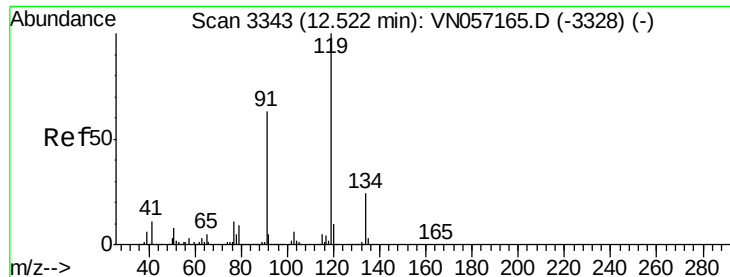
Tgt Ion: 91 Resp: 527870

Ion Ratio Lower Upper

91 100

126 35.2 0.0 70.2

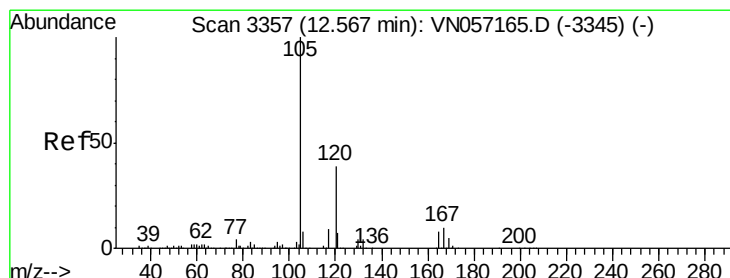
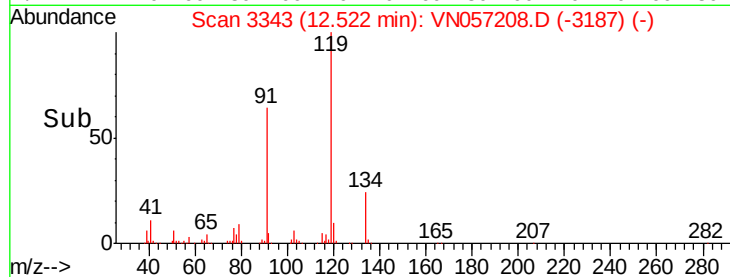
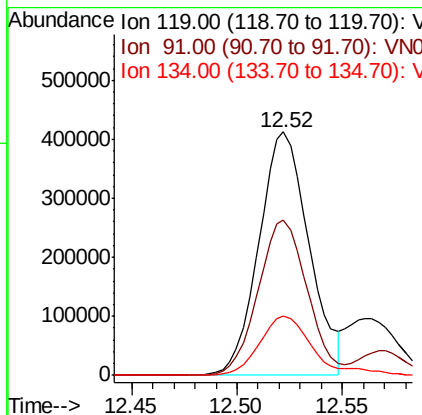
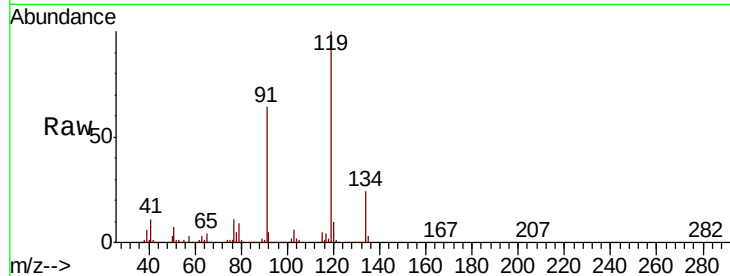




#79
 tert-butylbenzene
 Concen: 19.720 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

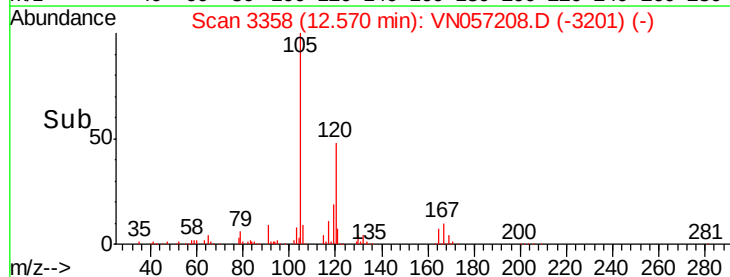
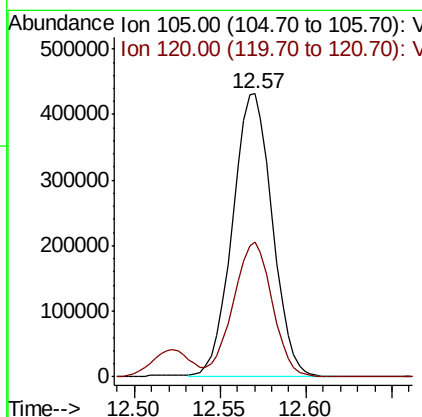
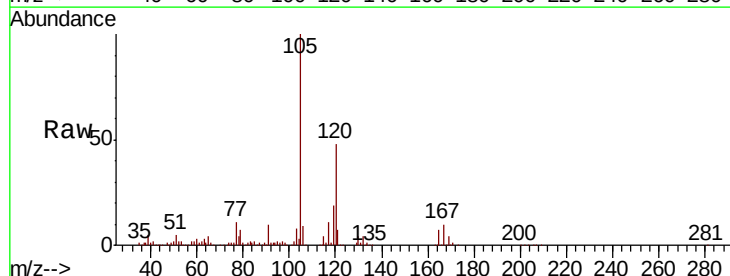
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

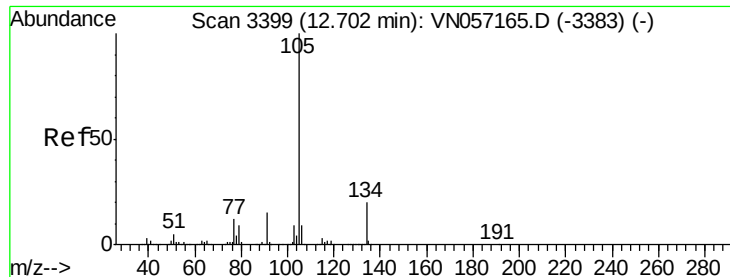
Tgt Ion:119 Resp: 681355
 Ion Ratio Lower Upper
 119 100
 91 62.7 0.0 123.8
 134 24.2 0.0 48.6



#80
 1,2,4-Trimethylbenzene
 Concen: 18.860 ug/l
 RT: 12.57 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion:105 Resp: 697231
 Ion Ratio Lower Upper
 105 100
 120 46.5 0.0 91.2

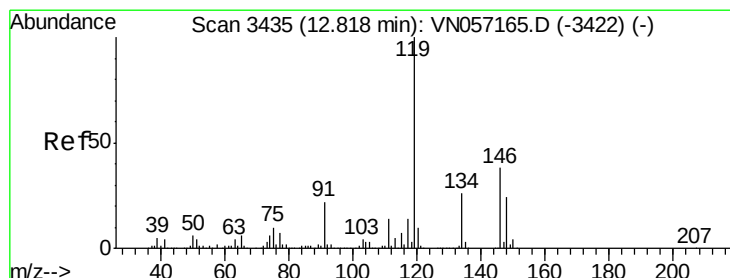
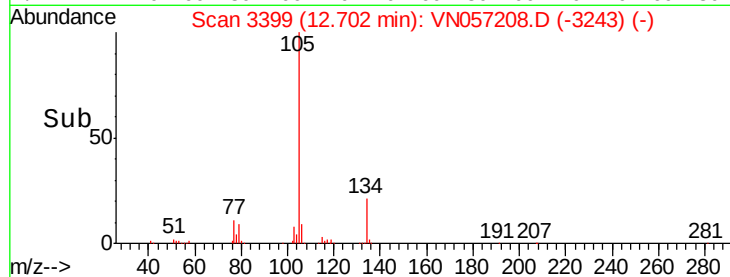
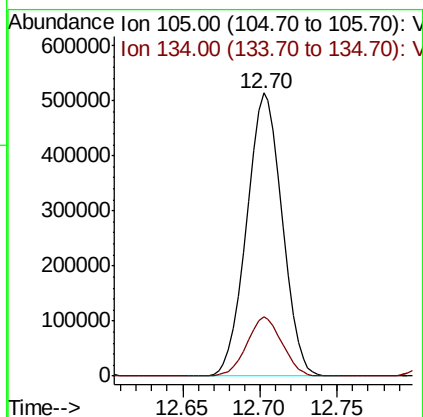
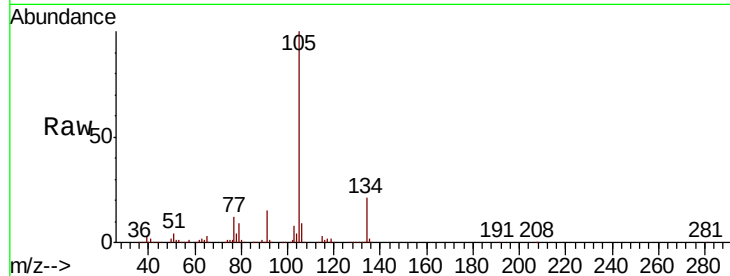




#81
 sec-Butylbenzene
 Concen: 18.849 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

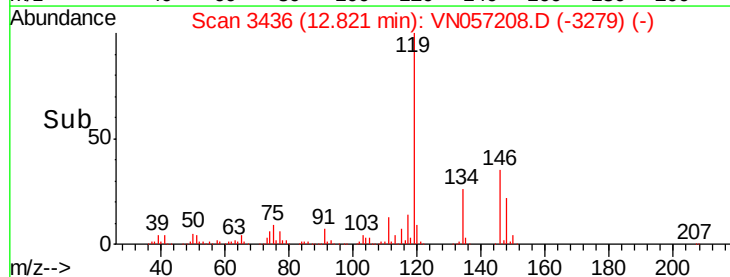
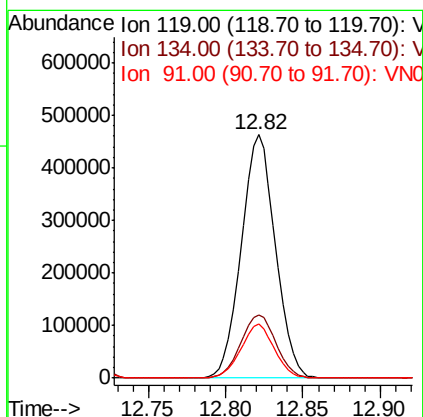
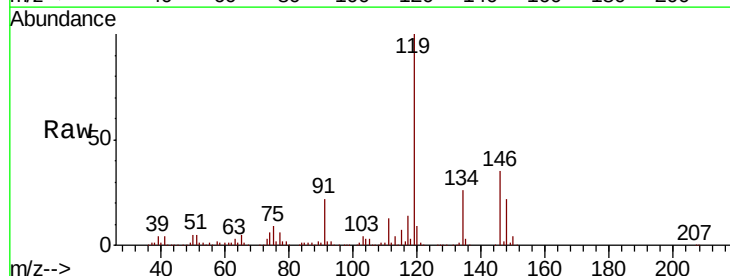
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

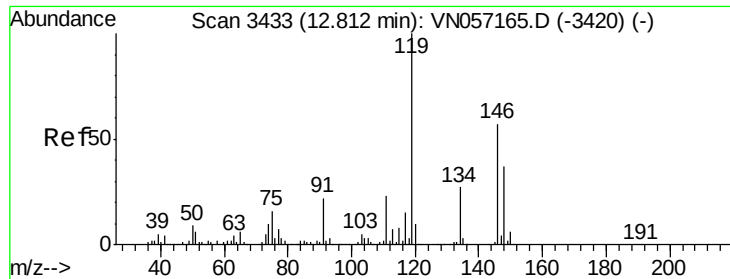
Tgt Ion:105 Resp: 821140
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 18.213 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion:119 Resp: 706514
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 54.2
 91 21.9 0.0 44.4

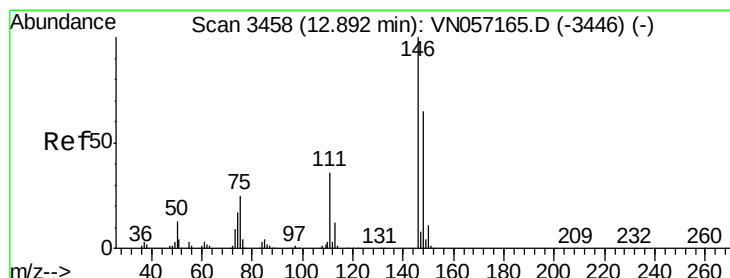
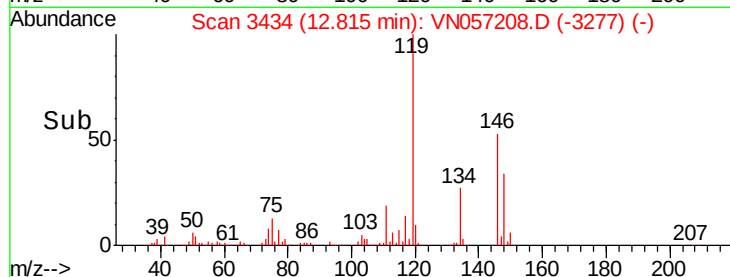
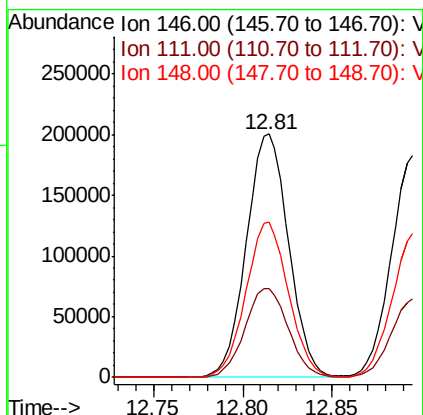
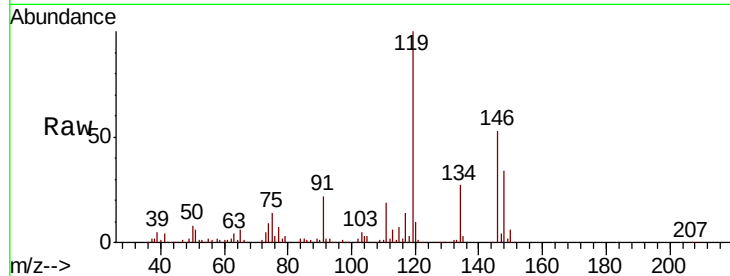




#83
 1,3-Dichlorobenzene
 Concen: 18.070 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

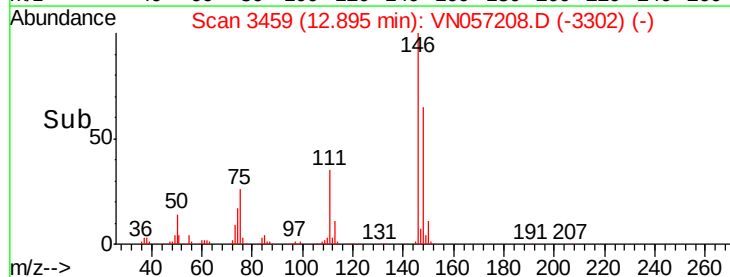
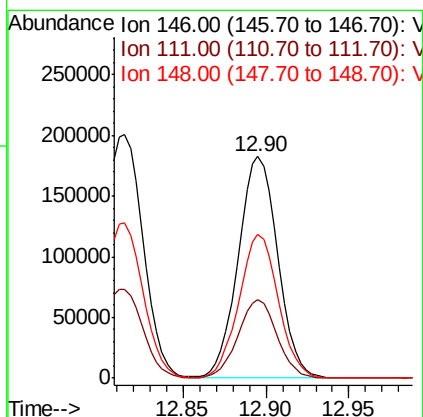
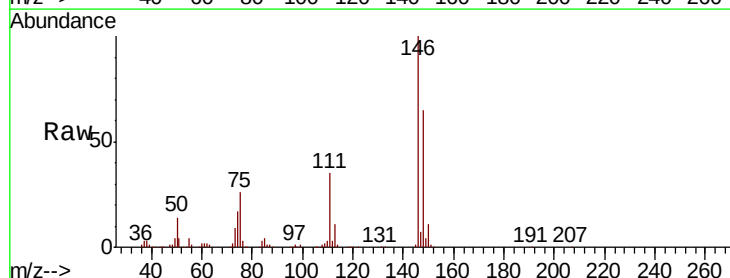
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

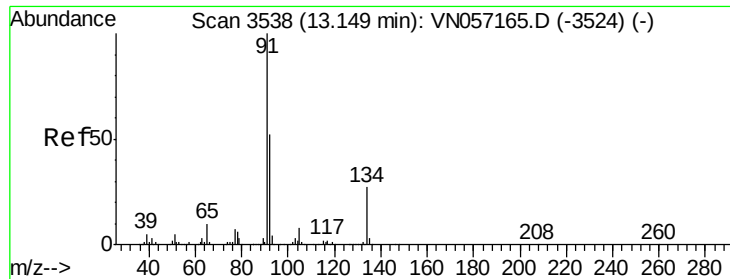
Tgt Ion:146 Resp: 332163
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 64.2 32.6 97.8



#84
 1,4-Dichlorobenzene
 Concen: 17.717 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion:146 Resp: 302957
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.0 54.0
 148 64.1 32.3 96.9

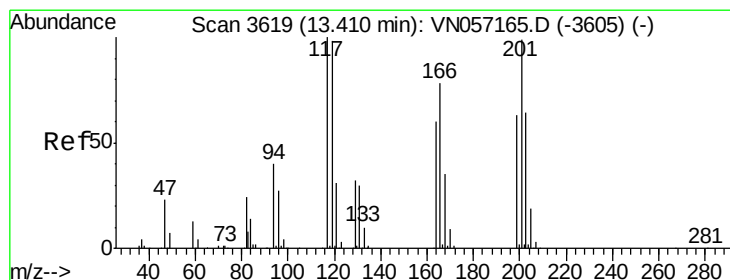
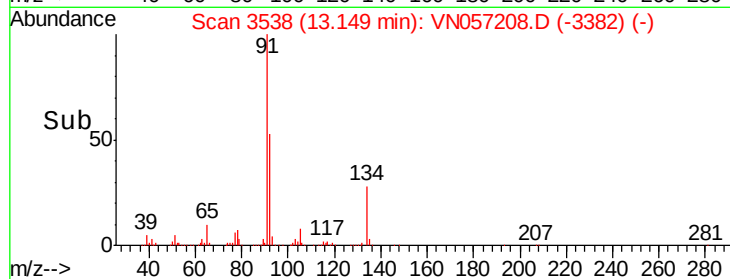
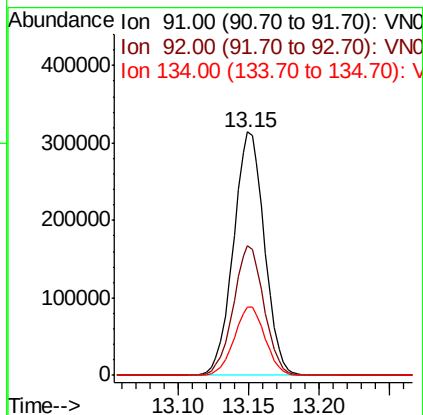
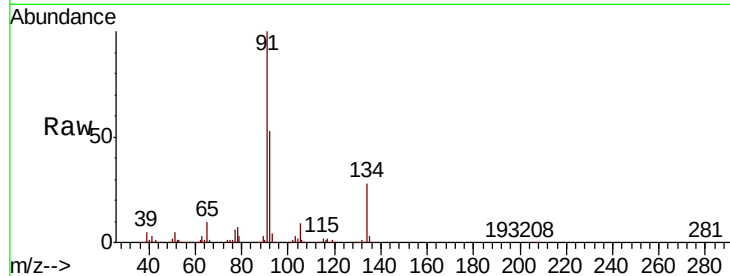




#85
n-Butylbenzene
Concen: 17.176 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

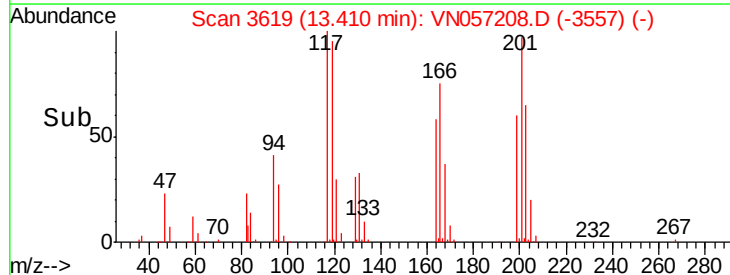
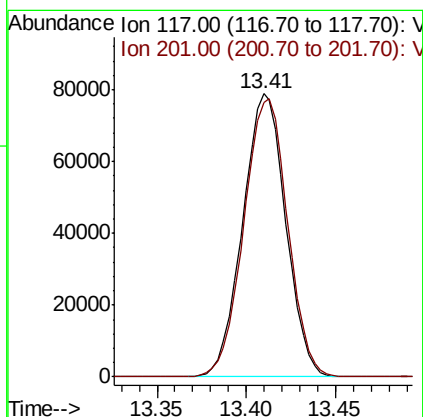
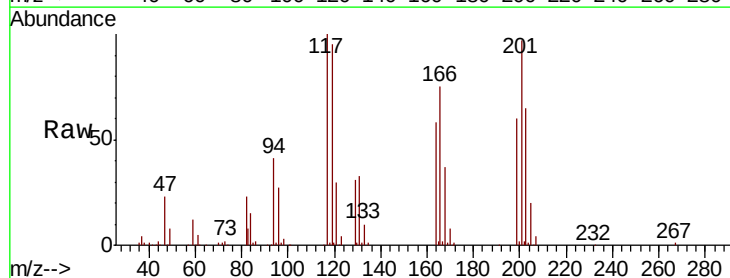
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

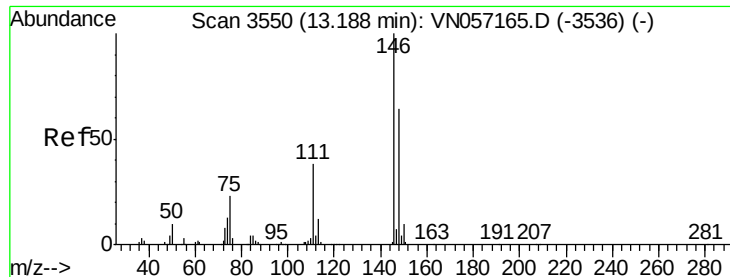
Tgt Ion: 91 Resp: 481754
Ion Ratio Lower Upper
91 100
92 52.6 0.0 104.4
134 28.1 0.0 55.0



#86
Hexachloroethane
Concen: 18.827 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion: 117 Resp: 132799
Ion Ratio Lower Upper
117 100
201 99.9 49.3 147.9

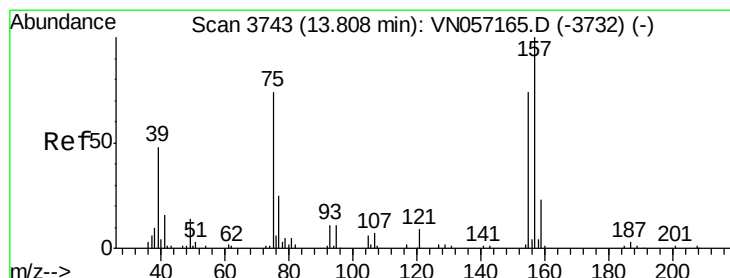
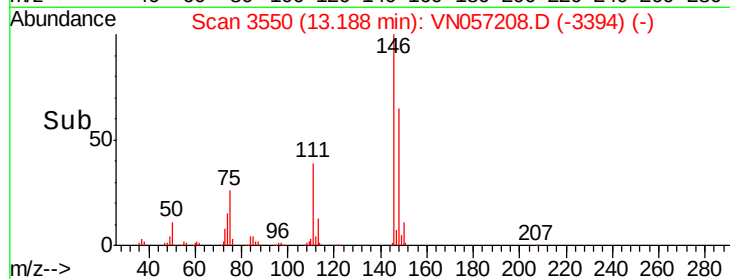
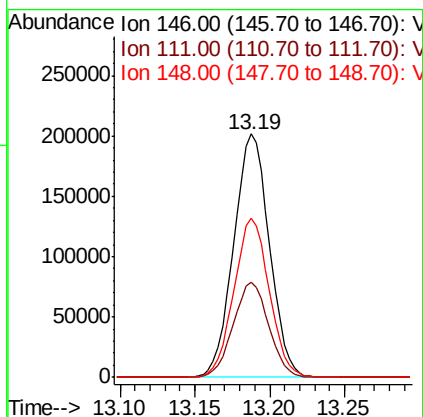
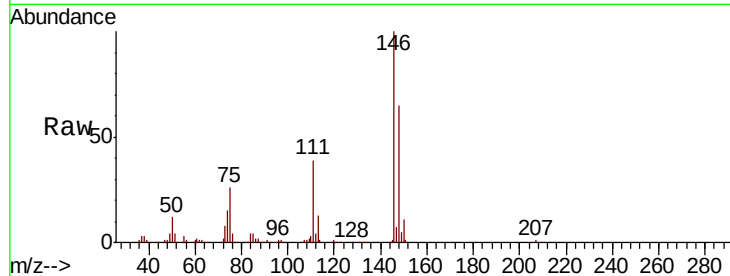




#87
 1,2-Dichlorobenzene
 Concen: 18.375 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

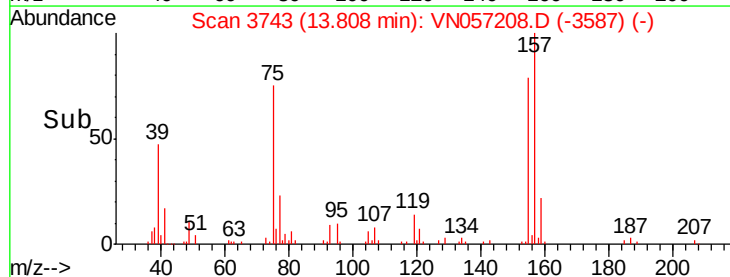
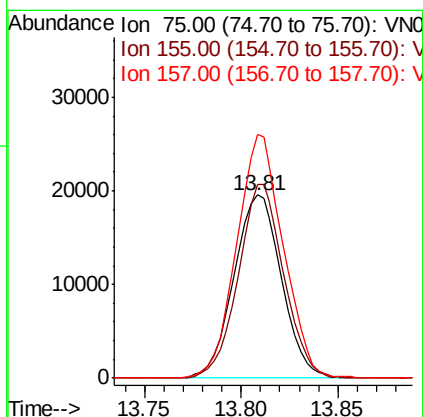
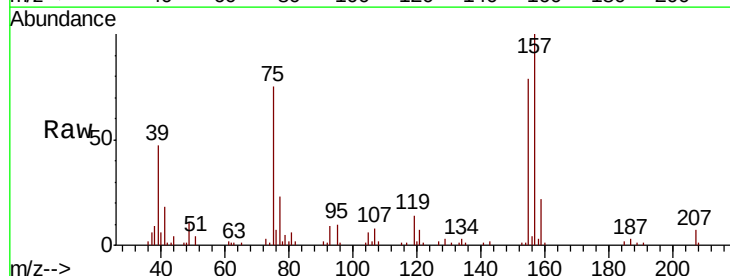
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

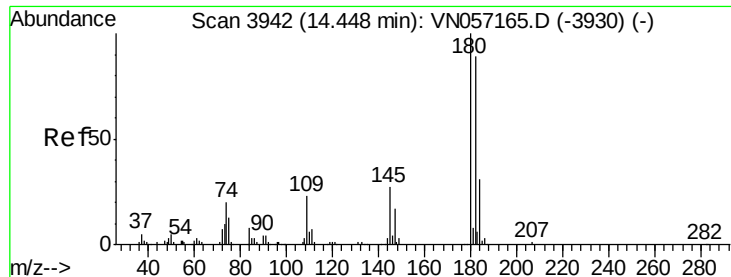
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.5	32.4	97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.622 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	80.9	121.3
157	130.4	111.3	166.9

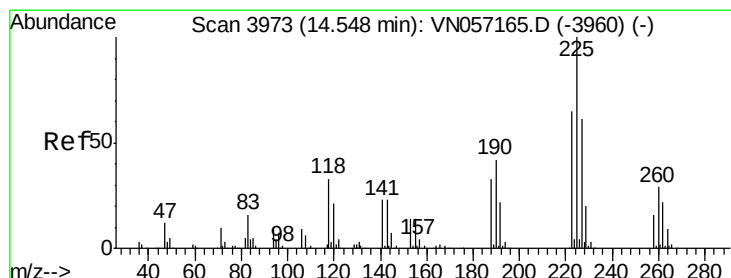
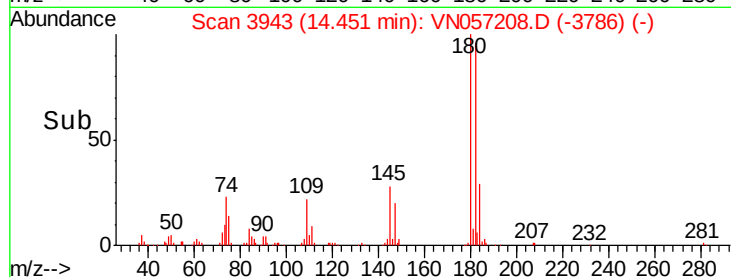
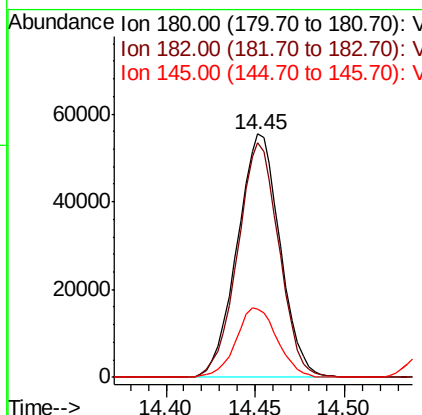
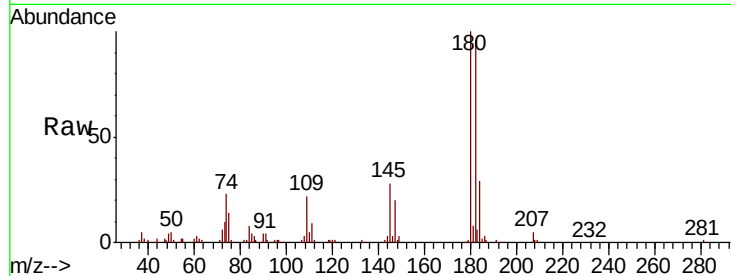




#89
 1,2,4-Trichlorobenzene
 Concen: 17.529 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

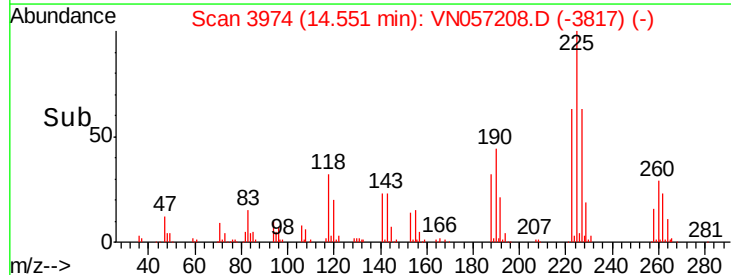
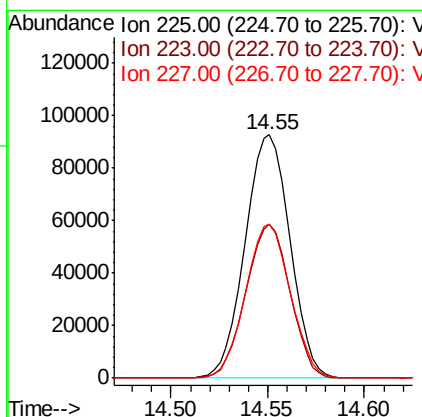
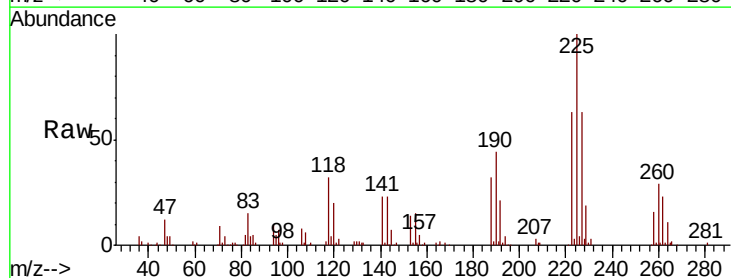
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

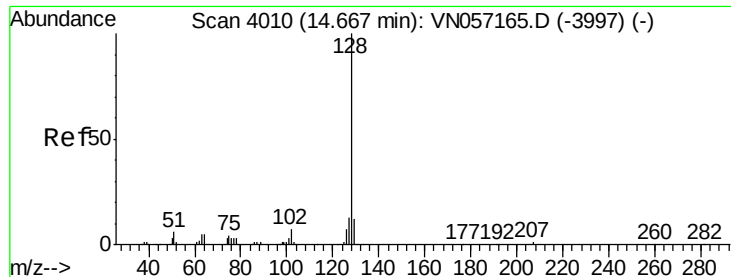
Tgt Ion:180 Resp: 92992
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.0 112.6
 145 27.4 21.7 32.5



#90
 Hexachlorobutadiene
 Concen: 19.077 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057208.D
 Acq: 12 Aug 2019 11:47

Tgt Ion:225 Resp: 149928
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 128.0
 227 63.0 0.0 125.6

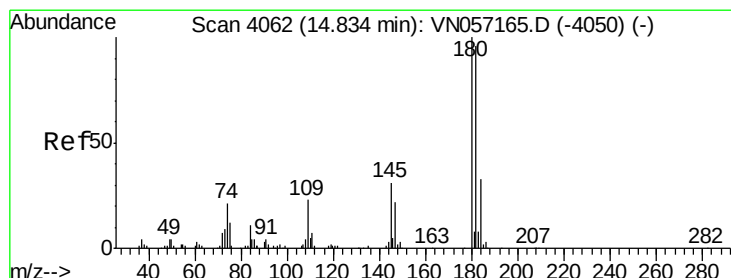
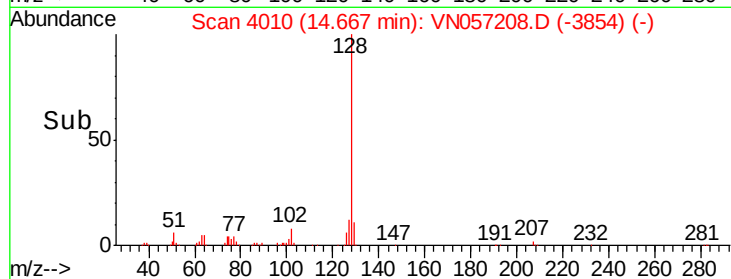
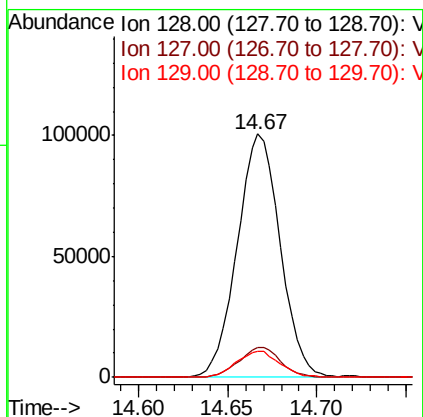
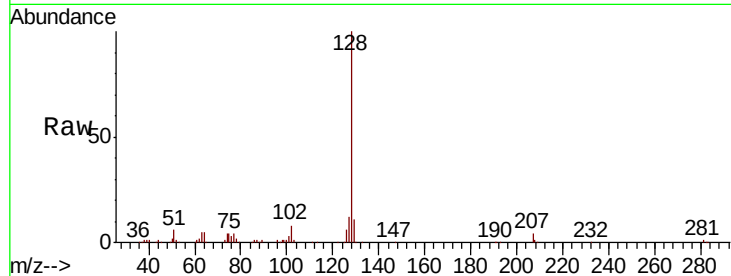




#91
Naphthalene
Concen: 12.168 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

Tgt Ion:128 Resp: 168374
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.9 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 18.467 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057208.D
Acq: 12 Aug 2019 11:47

Tgt Ion:180 Resp: 98571
Ion Ratio Lower Upper
180 100
182 94.8 0.0 195.8
145 29.0 0.0 61.2

