

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058563.D
 Acq On : 7 Oct 2019 13:40
 Operator : JC/SP
 Sample : VN1007WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:53:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	70295	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	415939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	378226	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	191081	30.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.50%
60) 4-Bromofluorobenzene	12.41	95	192315	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	10.08	98	531604	29.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	87993	20.816 ug/l	96
3) Chloromethane	2.04	50	117561	24.085 ug/l	100
4) Vinyl Chloride	2.17	62	105757	21.714 ug/l	97
5) Bromomethane	2.54	94	54686	20.678 ug/l	99
6) Chloroethane	2.68	64	66579	23.131 ug/l	97
7) Trichlorofluoromethane	3.00	101	130838	22.815 ug/l	97
8) Diethyl Ether	3.39	74	51314	20.128 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82647	20.936 ug/l	98
10) 1,1-Dichloroethene	3.71	96	77531	20.091 ug/l	98
11) Methyl Iodide	3.93	142	68987	17.436 ug/l	98
12) Methyl Acetate	4.30	43	108156	21.043 ug/l	99
13) Acrolein	3.59	56	33153	226.842 ug/l	98
14) Acrylonitrile	4.96	53	213215	100.469 ug/l	99
15) Acetone	3.80	58	59384	100.919 ug/l	97
16) Carbon Disulfide	4.03	76	217839	20.313 ug/l	98
17) Allyl chloride	4.30	41	155375	21.556 ug/l	97
18) Methylene Chloride	4.53	84	97819	21.488 ug/l	94
19) trans-1,2-Dichloroethene	5.01	96	87728	20.278 ug/l	95
20) Diisopropyl ether	5.93	45	319076	20.774 ug/l	99
21) 1,1-Dichloroethane	5.83	63	181655	21.136 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	104678	20.831 ug/l	100
23) tert-Butyl Alcohol	4.76	59	77492	98.914 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	293778	21.209 ug/l	97
25) Chloroform	7.36	83	182644	20.987 ug/l	99
26) Cyclohexane	7.64	56	154065	19.179 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	133648	19.685 ug/l	99
30) 2-Butanone	6.81	43	294210	95.435 ug/l	99
31) 2,2-Dichloropropane	6.81	77	161033	23.038 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	156819	21.414 ug/l	99
33) Carbon Tetrachloride	7.76	117	132400	21.280 ug/l	96
34) Benzene	8.03	78	390843	20.293 ug/l	98
35) Methacrylonitrile	7.19	41	181819	68.569 ug/l	# 63
36) 1,2-Dichloroethane	8.11	62	154513	20.479 ug/l	100
37) Trichloroethene	8.82	130	98168	20.359 ug/l	97
38) Methylcyclohexane	9.07	83	149971	18.267 ug/l	99
39) 1,2-Dichloropropane	9.11	63	109274	20.800 ug/l	99
40) Dibromomethane	9.20	93	67071	20.228 ug/l	98

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 ClientSampleId :

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	137210	20.936	ug/l	100
42) Vinyl Acetate	5.87	43	1311422	111.413	ug/l	100
43) Ethyl Acetate	6.91	43	125096	20.437	ug/l	98
44) Isopropyl Acetate	8.15	43	219110	19.997	ug/l	99
45) 1,4-Dioxane	9.19	88	30461	329.529	ug/l	93
46) Methyl methacrylate	9.19	41	97051	18.689	ug/l	93
47) n-amyl Acetate	12.07	43	187639	19.674	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154756	21.610	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	167435	20.999	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	95882	20.691	ug/l	97
51) Ethyl methacrylate	10.43	69	138706	18.918	ug/l	97
52) 1,3-Dichloropropane	10.71	76	168267	20.445	ug/l	99
53) Dibromochloromethane	10.90	129	95086	20.425	ug/l	98
54) 1,2-Dibromoethane	11.00	107	95716	20.240	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	346957	111.759	ug/l	99
56) Bromoform	12.13	173	60691	20.668	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	618030	104.285	ug/l	99
59) 2-Hexanone	10.75	43	439967	98.201	ug/l	100
61) Tetrachloroethene	10.63	164	85548	21.589	ug/l	99
62) Toluene	10.15	91	421005	20.324	ug/l	99
64) Chlorobenzene	11.44	112	255471	20.069	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93719	21.002	ug/l	99
66) Ethyl Benzene	11.51	91	470323	20.822	ug/l	100
67) m/p-Xylenes	11.62	106	341888	39.425	ug/l	99
68) o-Xylene	11.95	106	167531	19.868	ug/l	97
69) Styrene	11.97	104	266149	18.875	ug/l	98
70) Isopropylbenzene	12.25	105	455859	20.862	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	135787	19.552	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	176113	29.486	ug/l	61
73) Bromobenzene	12.53	156	105185	19.873	ug/l	98
74) n-propylbenzene	12.60	91	527357	20.934	ug/l	99
75) 2-Chlorotoluene	12.68	91	312216	19.813	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	381246	20.262	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36199	18.580	ug/l	91
78) 4-Chlorotoluene	12.78	91	318299	19.708	ug/l	100
79) tert-butylbenzene	13.00	119	322510	19.797	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	379899	20.228	ug/l	99
81) sec-Butylbenzene	13.18	105	432275	20.231	ug/l	100
82) p-Isopropyltoluene	13.30	119	384932	20.005	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189540	19.410	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	185036	19.039	ug/l	99
85) n-Butylbenzene	13.62	91	341890	19.125	ug/l	99
86) Hexachloroethane	13.88	117	62270	20.036	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	186808	19.591	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26494	19.546	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	107681	17.286	ug/l	99
90) Hexachlorobutadiene	15.02	225	49710	16.492	ug/l	99
91) Naphthalene	15.13	128	302281	17.670	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	100389	16.779	ug/l	99

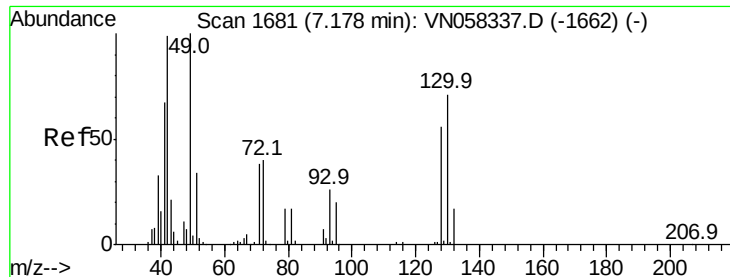
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :

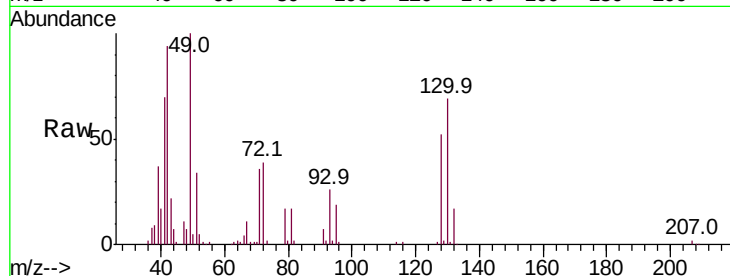
Tot Ion:128 Resp: 70295

Ion Ratio Lower Upper

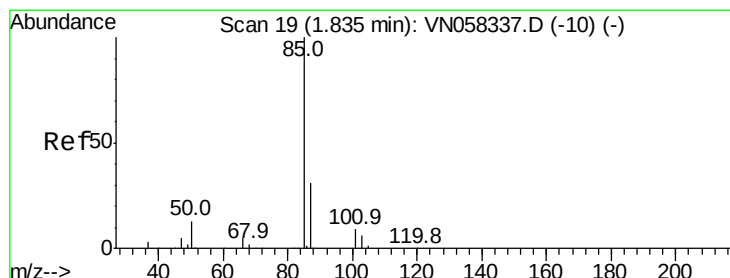
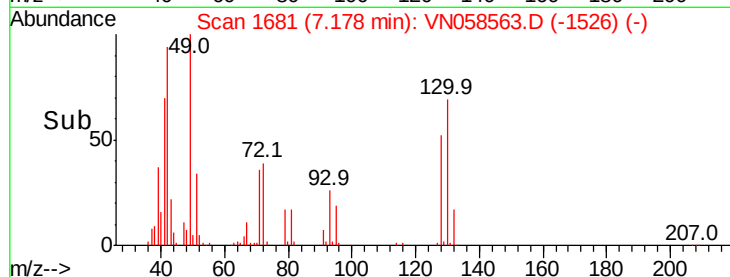
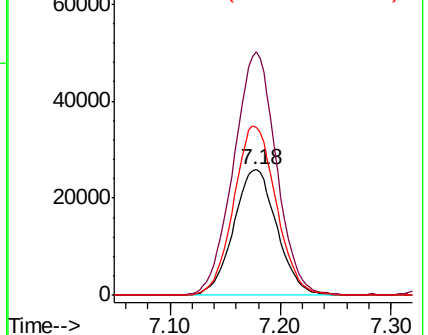
128 100

49 192.1 0.0 458.5

130 132.6 0.0 320.7



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: 20.816 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058563.D

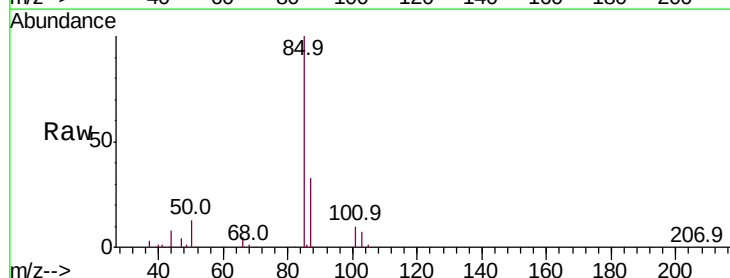
Acq: 7 Oct 2019 13:40

Tgt Ion: 85 Resp: 87993

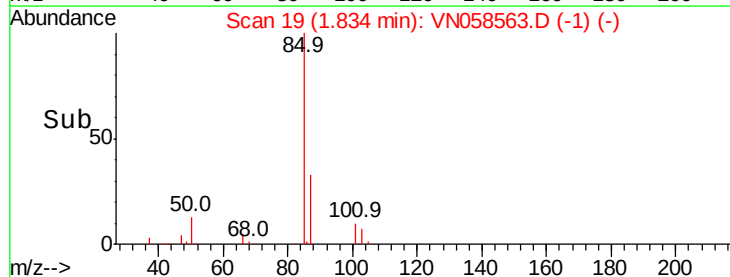
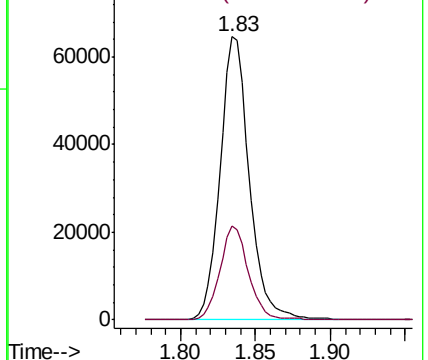
Ion Ratio Lower Upper

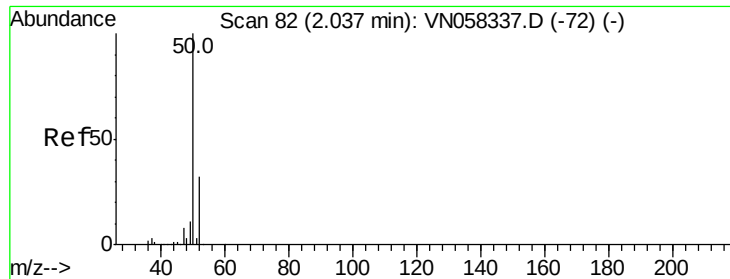
85 100

87 33.0 15.5 46.5



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





#3

Chloromethane

Concen: 24.085 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

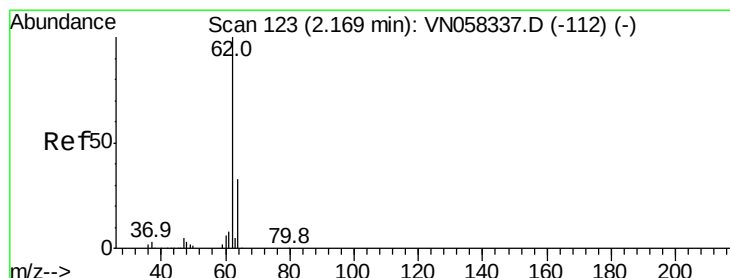
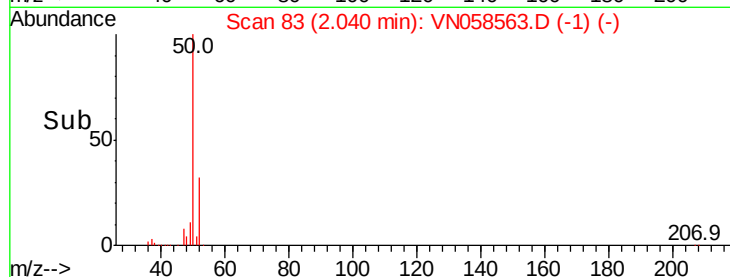
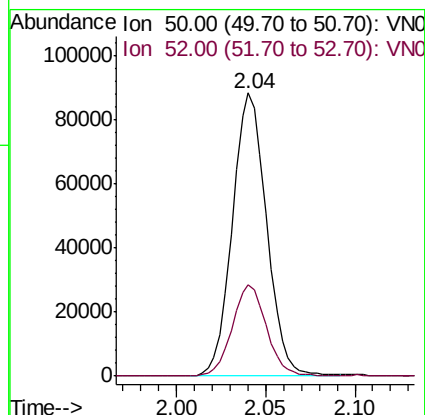
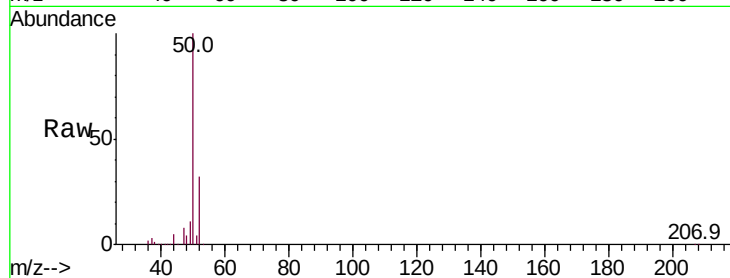
ClientSampleId :

Tot Ion: 50 Resp: 117561

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 21.714 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058563.D

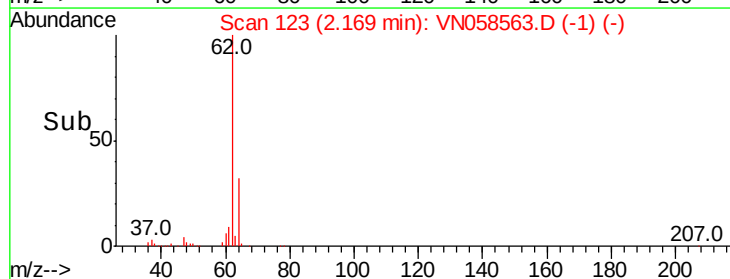
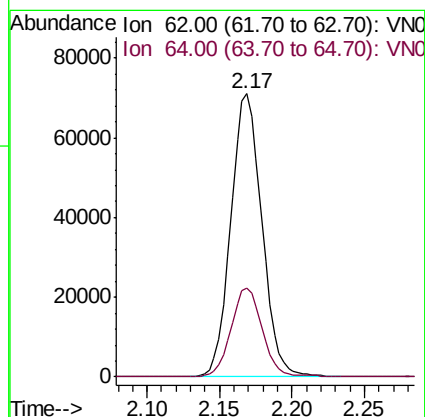
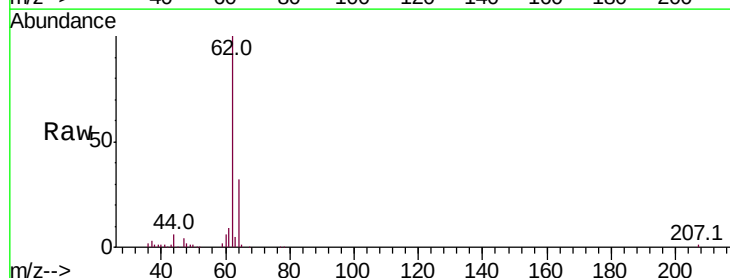
Acq: 7 Oct 2019 13:40

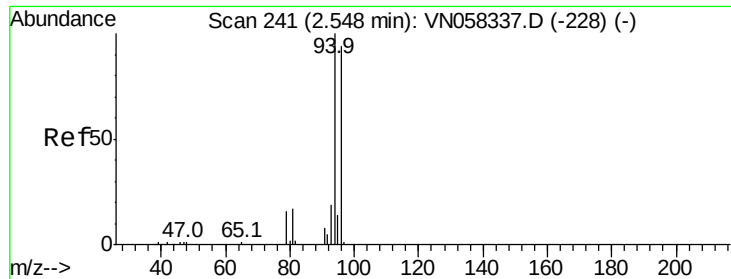
Tgt Ion: 62 Resp: 105757

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 20.678 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

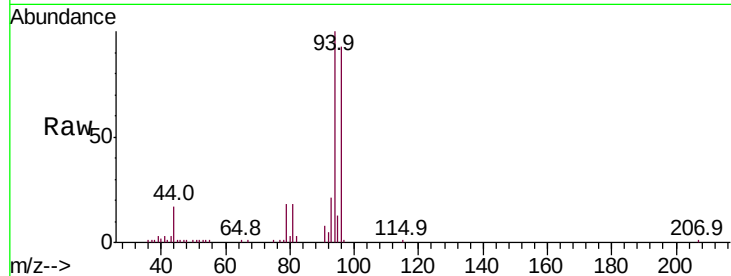
ClientSampled :

Tot Ion: 94 Resp: 54686

Ion Ratio Lower Upper

94 100

96 92.3 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

2.54

30000

25000

20000

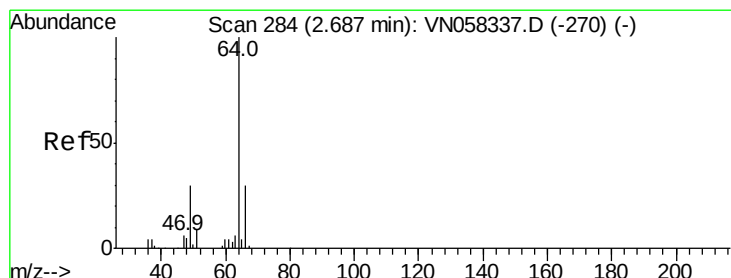
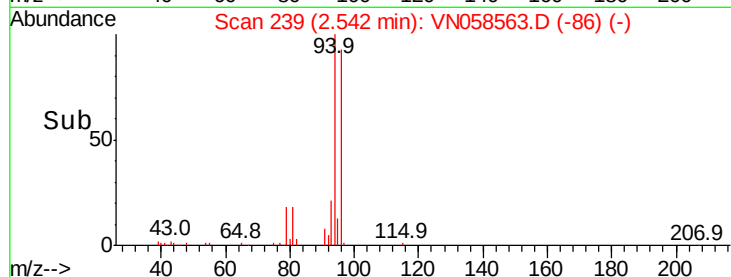
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 23.131 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058563.D

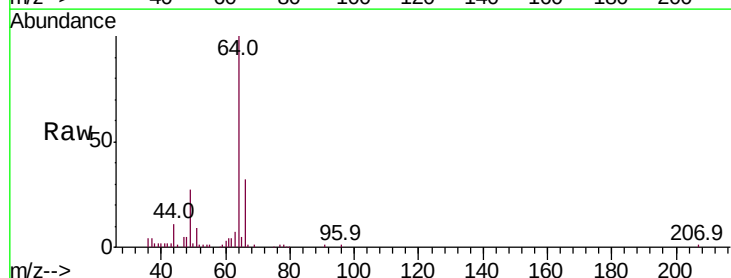
Acq: 7 Oct 2019 13:40

Tgt Ion: 64 Resp: 66579

Ion Ratio Lower Upper

64 100

66 31.5 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

2.68

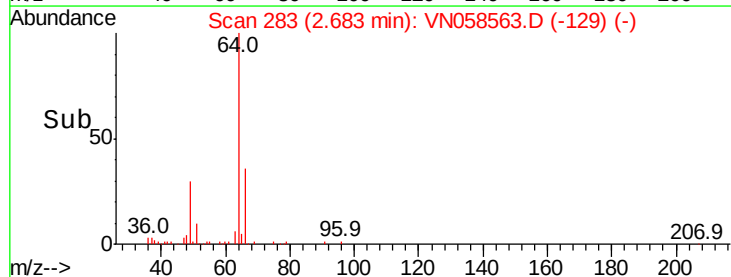
30000

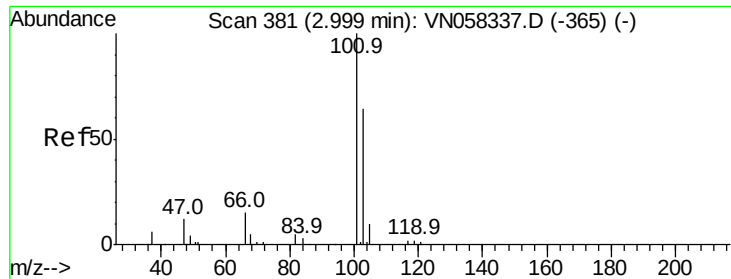
20000

10000

0

Time-->



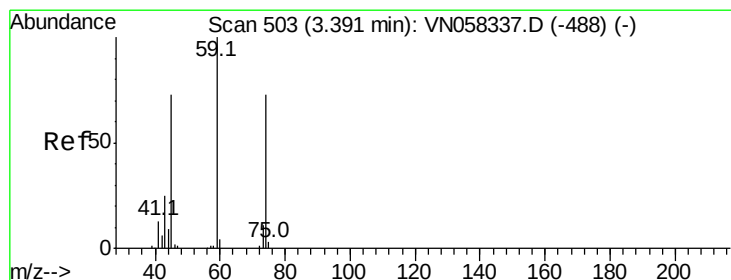
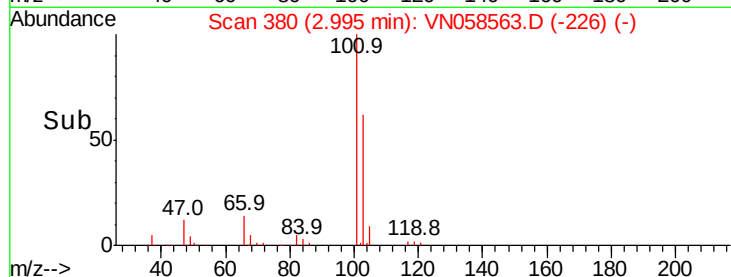
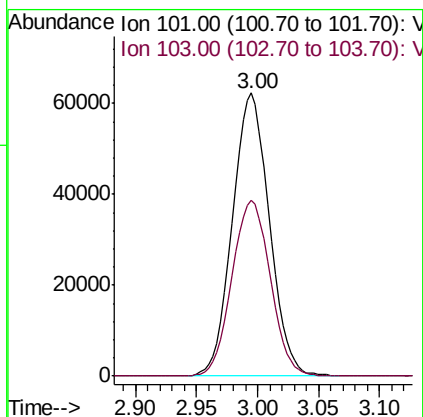
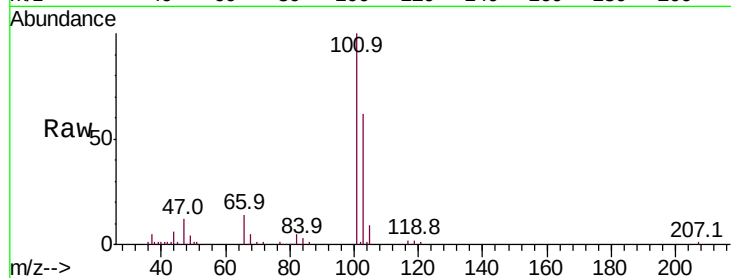


#7

Trichlorofluoromethane
Concen: 22.815 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :

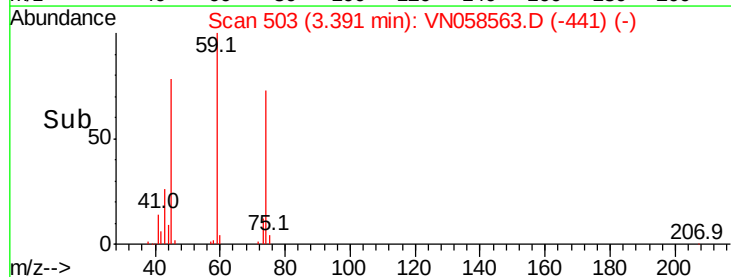
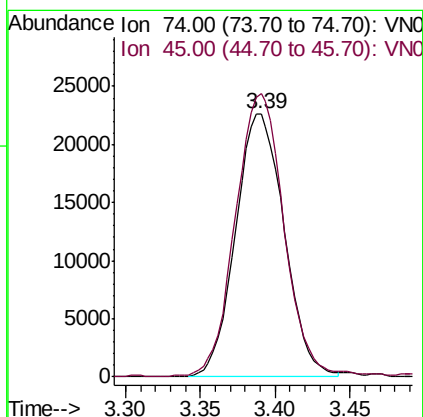
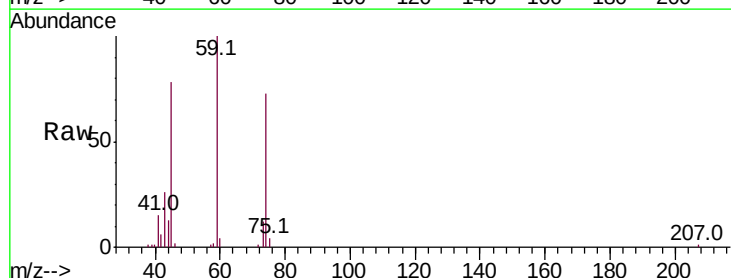
Tot Ion:101 Resp: 130838
Ion Ratio Lower Upper
101 100
103 62.3 51.5 77.3

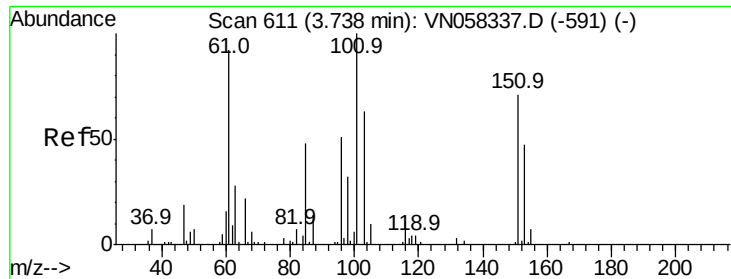


#8

Diethyl Ether
Concen: 20.128 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 74 Resp: 51314
Ion Ratio Lower Upper
74 100
45 105.2 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.936 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

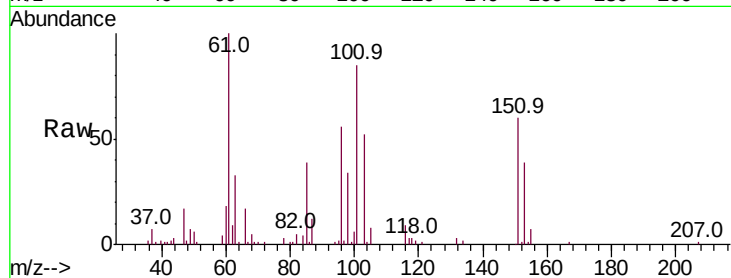
Tot Ion:101 Resp: 82647

Ion Ratio Lower Upper

101 100

85 46.0 0.0 93.0

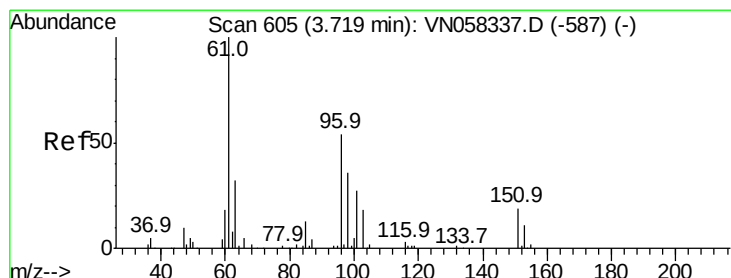
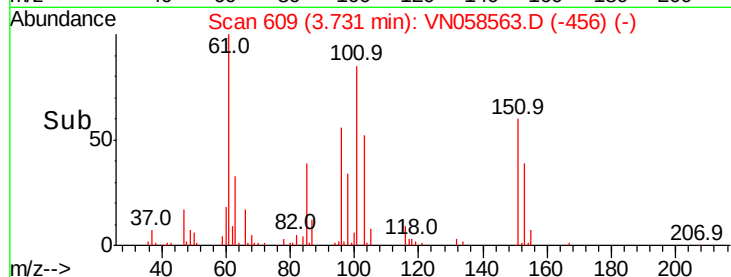
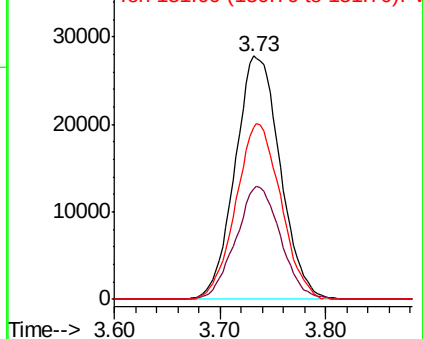
151 71.9 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.091 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

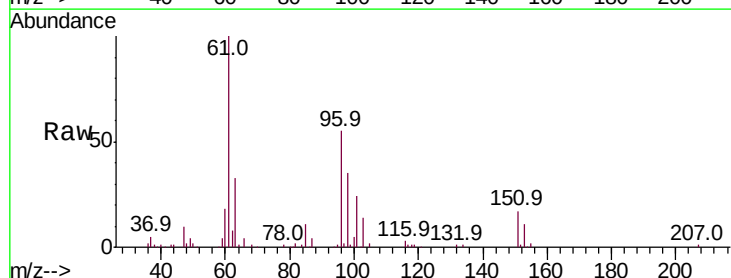
Tgt Ion: 96 Resp: 77531

Ion Ratio Lower Upper

96 100

61 181.0 146.9 220.3

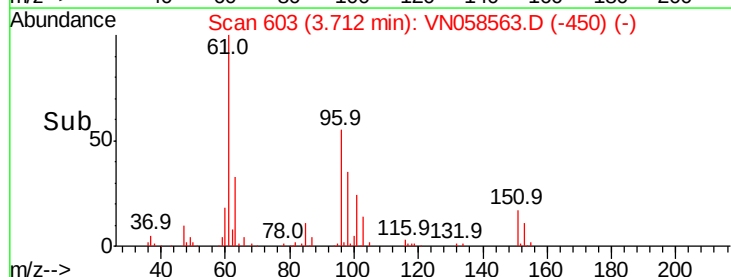
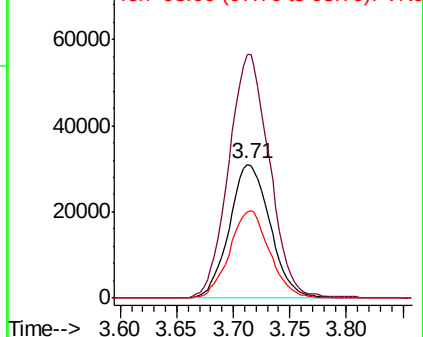
98 64.3 52.3 78.5

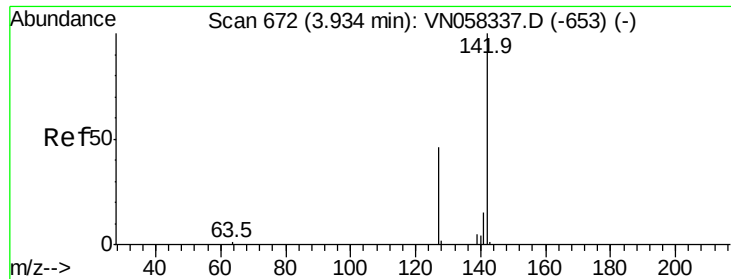


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

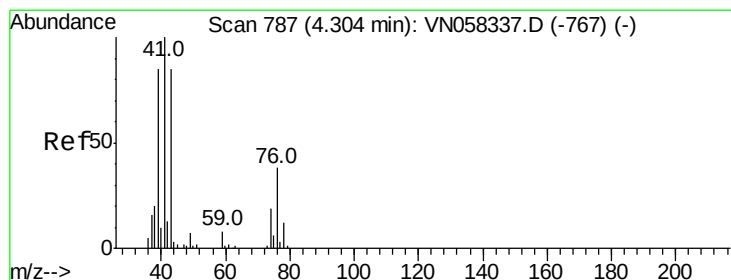
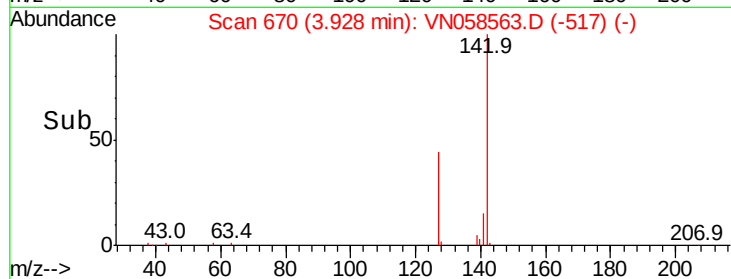
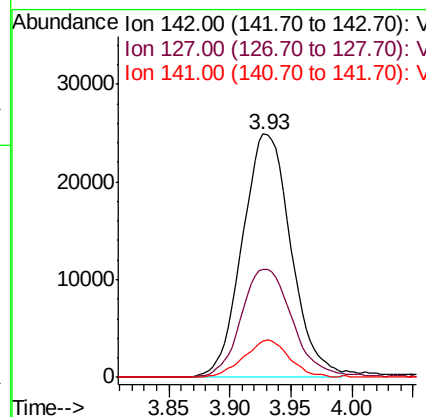
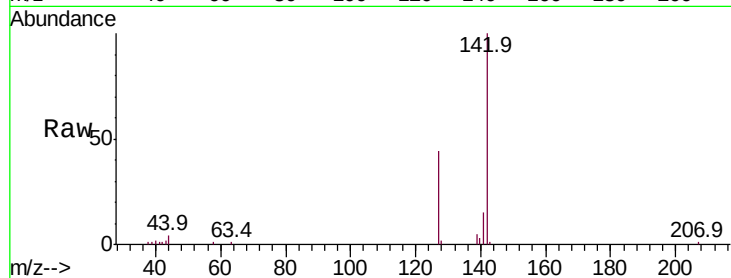




#11
Methvl Iodide
Concen: 17.436 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

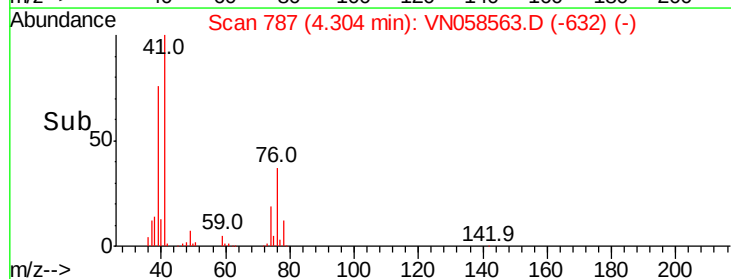
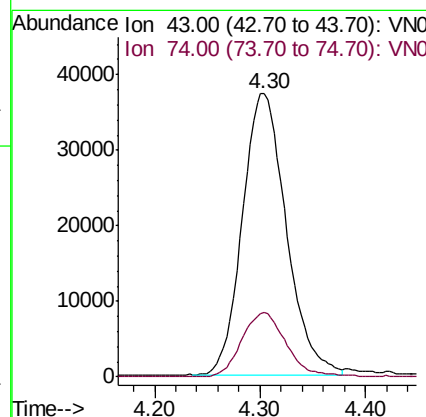
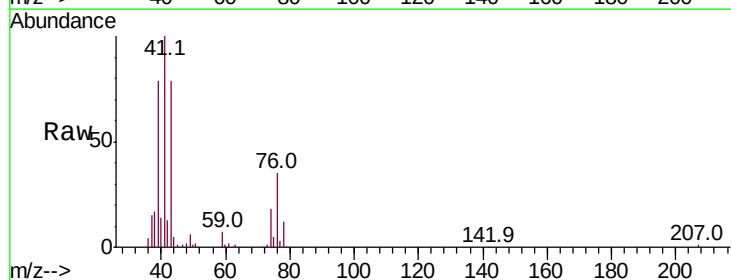
Instrument :
MSVOA_N
ClientSampleId :

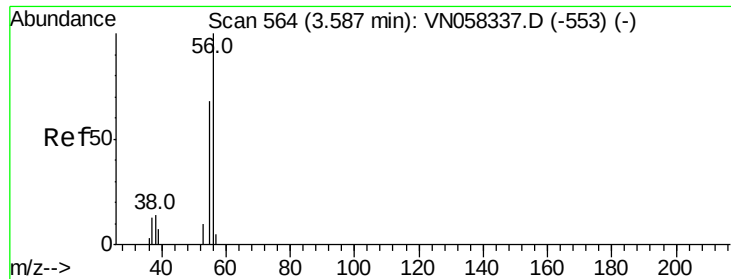
Tot Ion:142 Resp: 68987
Ion Ratio Lower Upper
142 100
127 44.1 22.9 68.7
141 15.0 7.4 22.3



#12
Methyl Acetate
Concen: 21.043 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 43 Resp: 108156
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6

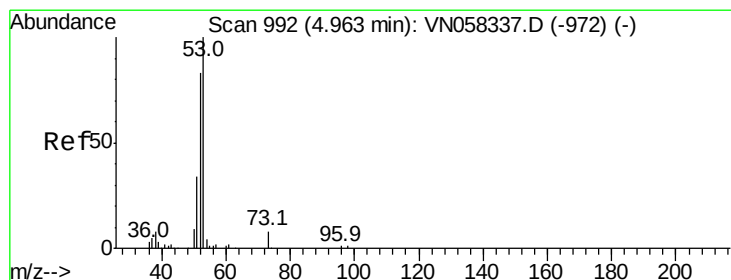
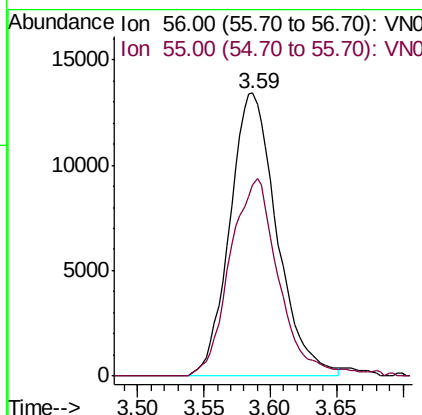
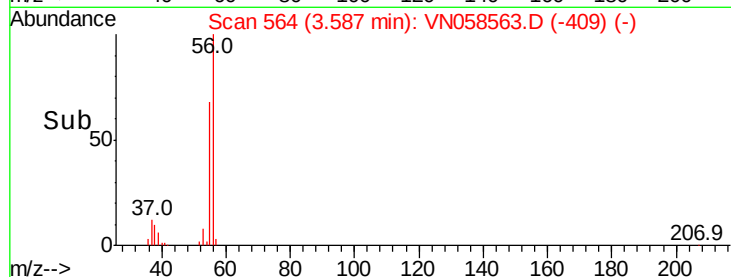
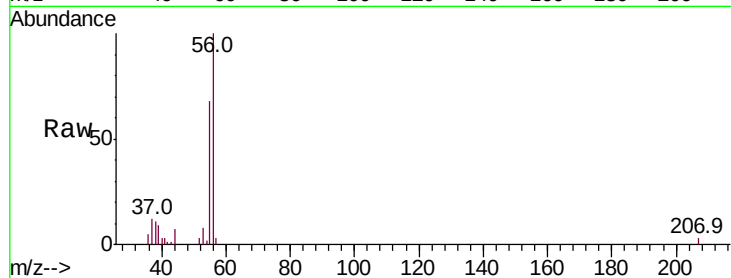




#13
Acrolein
Concen: 226.842 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

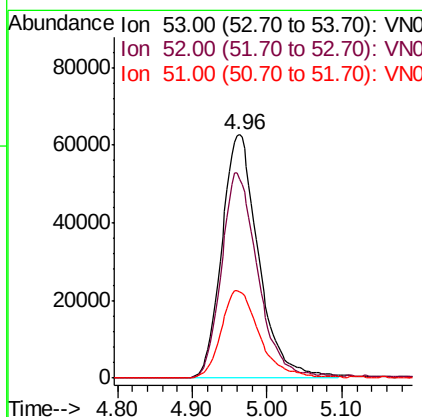
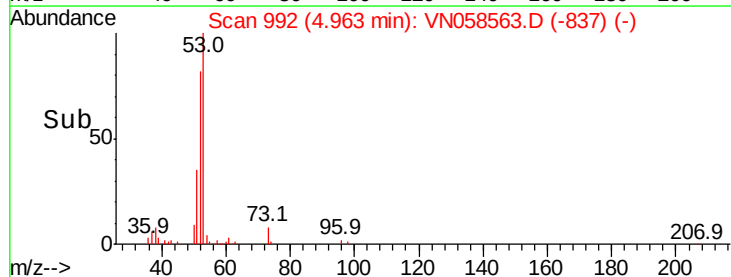
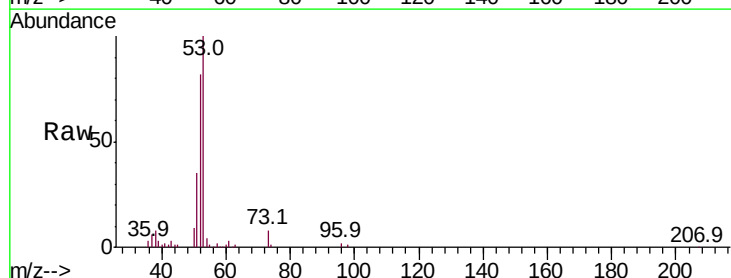
Instrument :
MSVOA_N
ClientSampled :

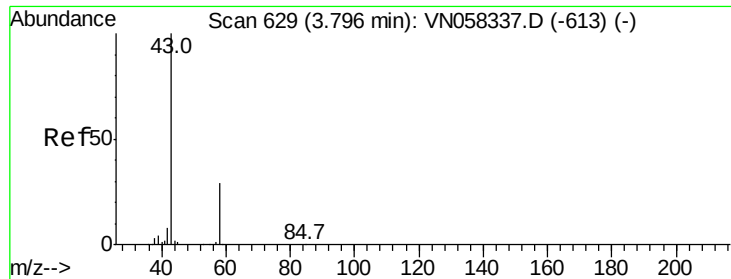
Tot Ion: 56 Resp: 33153
Ion Ratio Lower Upper
56 100
55 71.5 58.4 87.6



#14
Acrylonitrile
Concen: 100.469 ug/l
RT: 4.96 min Scan# 992
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 53 Resp: 213215
Ion Ratio Lower Upper
53 100
52 83.0 41.3 123.7
51 37.5 18.3 54.8





#15

Acetone

Concen: 100.919 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

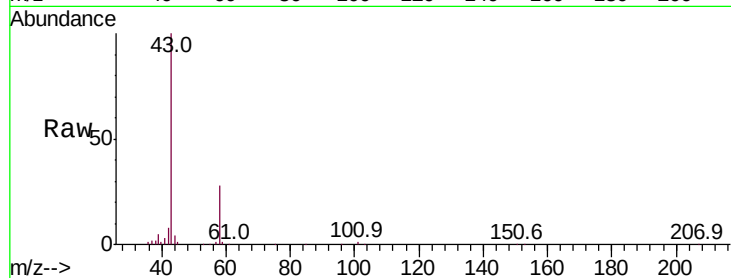
ClientSampleId :

Tot Ion: 58 Resp: 59384

Ion Ratio Lower Upper

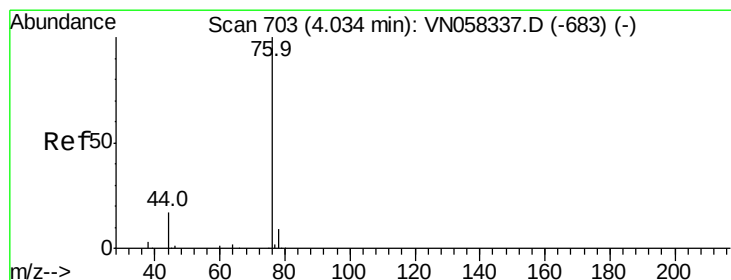
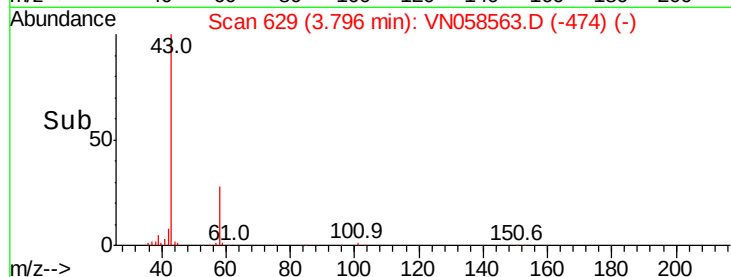
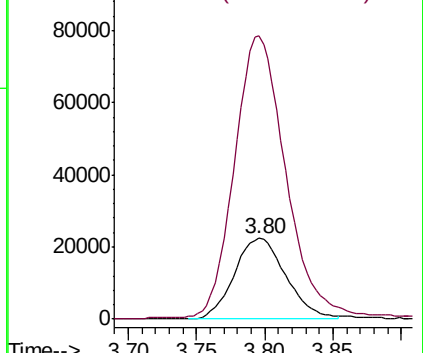
58 100

43 347.5 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN058337.D (-613) (-)

Ion 43.00 (42.70 to 43.70): VN058337.D (-613) (-)



#16

Carbon Disulfide

Concen: 20.313 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.01 min

Lab File: VN058563.D

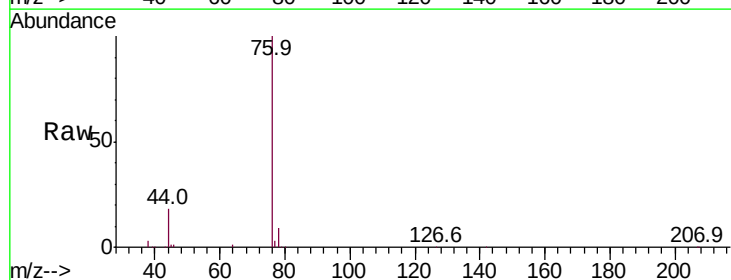
Acq: 7 Oct 2019 13:40

Tgt Ion: 76 Resp: 217839

Ion Ratio Lower Upper

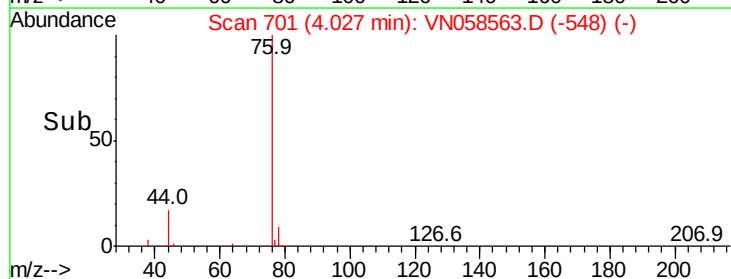
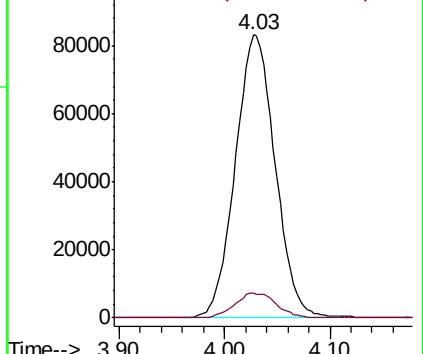
76 100

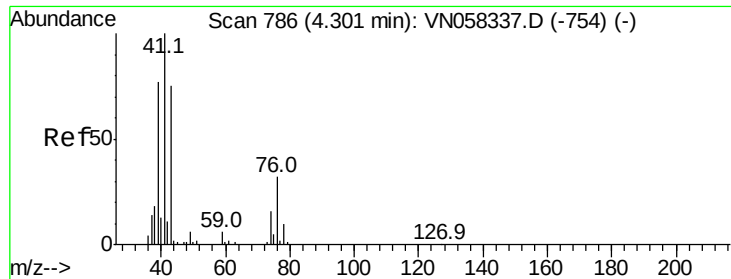
78 8.6 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN058337.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058337.D (-683) (-)

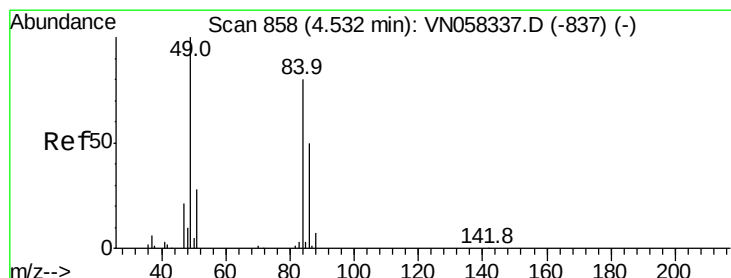
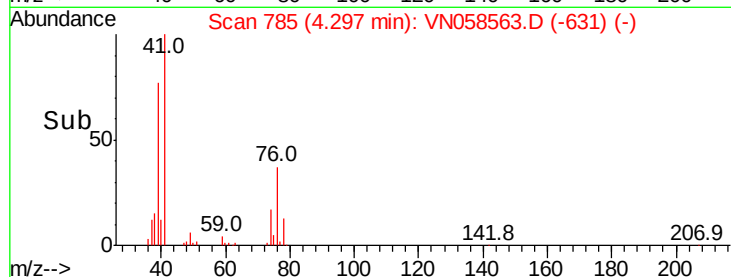
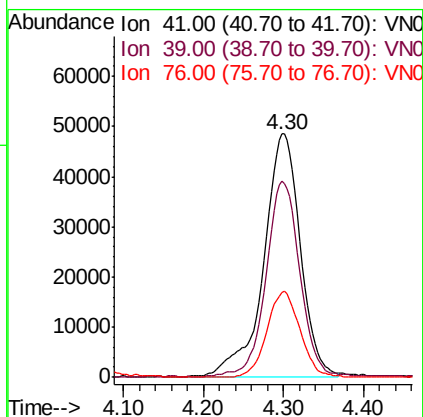
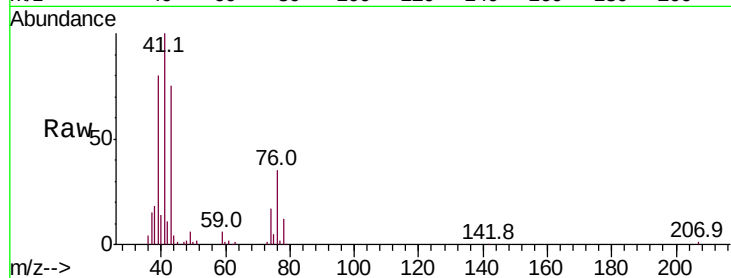




#17
Allvl chloride
Concen: 21.556 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

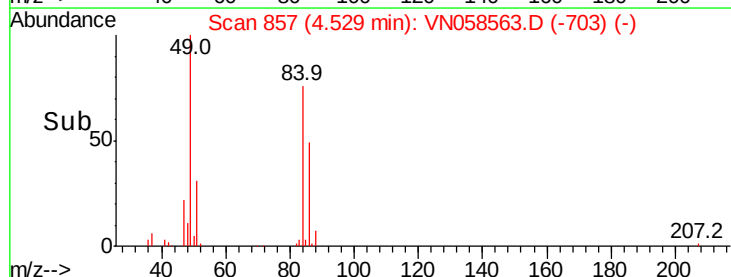
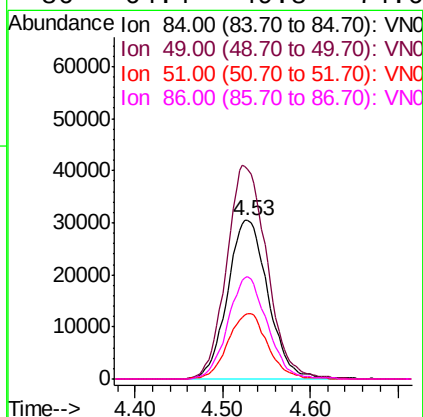
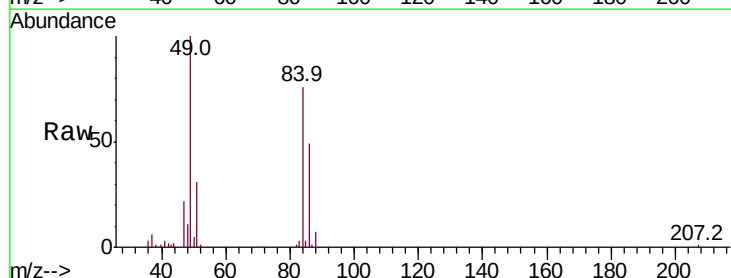
Instrument :
MSVOA_N
ClientSampleId :

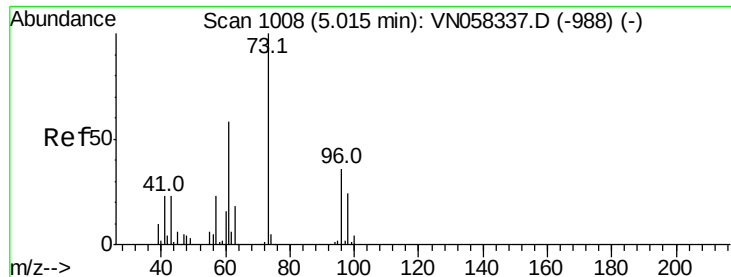
Tot Ion: 41 Resp: 155375
Ion Ratio Lower Upper
41 100
39 80.0 38.7 116.1
76 34.7 16.4 49.1



#18
Methylene Chloride
Concen: 21.488 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 84 Resp: 97819
Ion Ratio Lower Upper
84 100
49 131.7 99.8 149.6
51 40.9 28.3 42.5
86 64.4 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 20.278 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

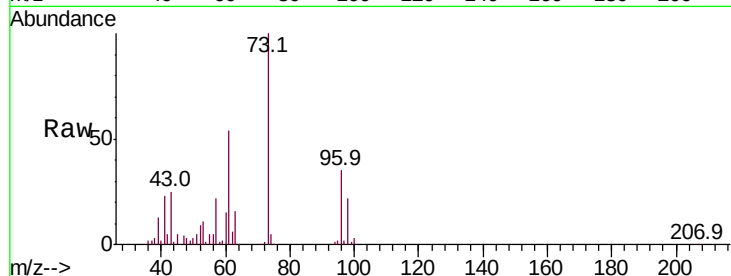
Tot Ion: 96 Resp: 87728

Ion Ratio Lower Upper

96 100

61 154.7 128.0 192.0

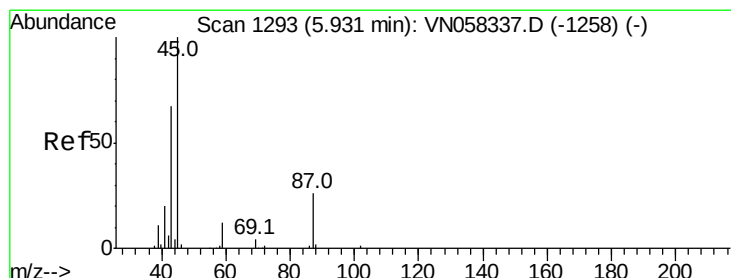
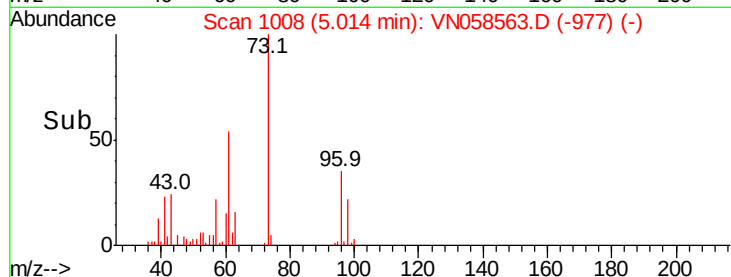
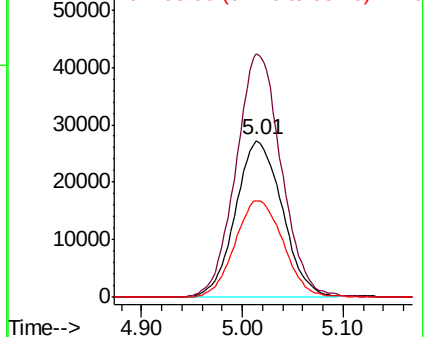
98 61.6 53.0 79.6



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: 20.774 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion: 45 Resp: 319076

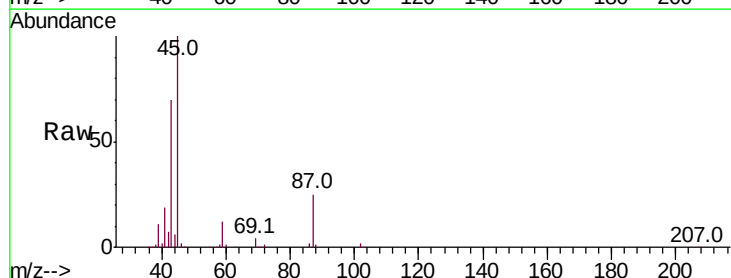
Ion Ratio Lower Upper

45 100

43 68.2 54.1 81.1

87 25.4 21.4 32.2

59 11.8 9.3 13.9

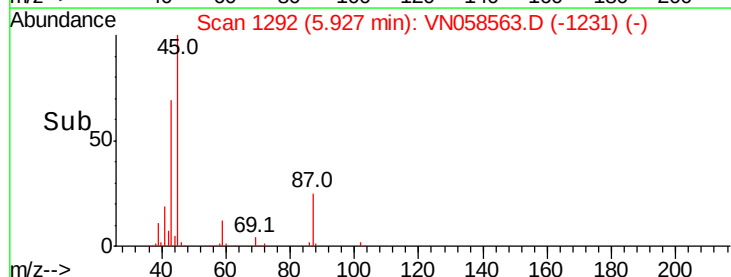
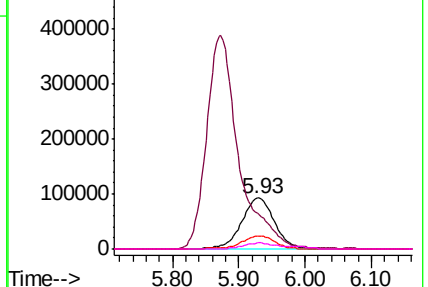


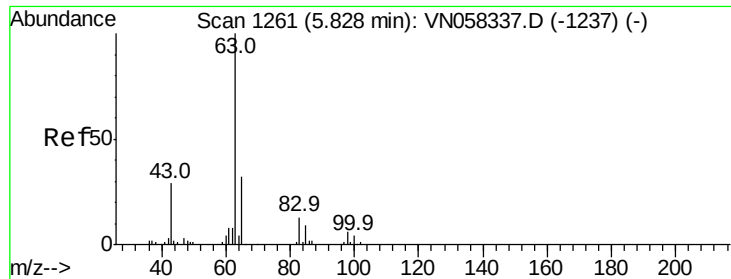
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

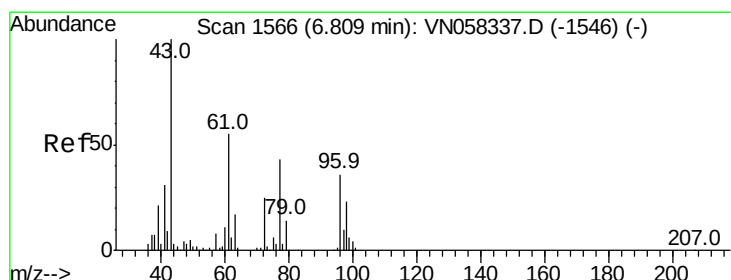
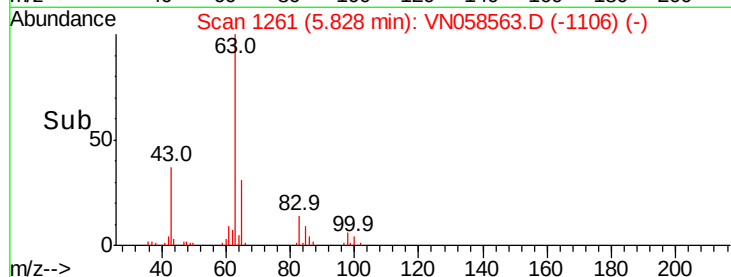
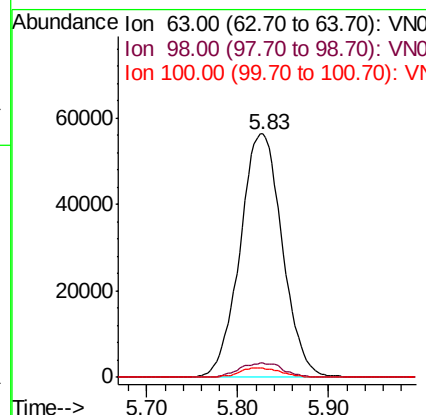
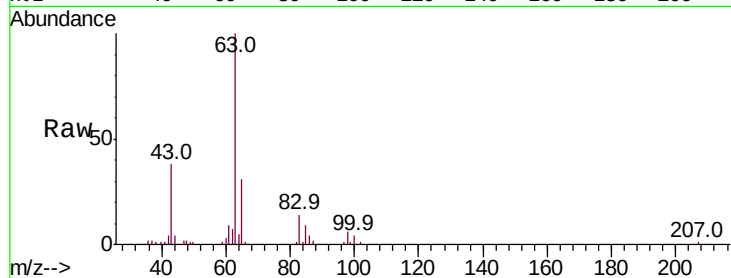




#21
 1,1-Dichloroethane
 Concen: 21.136 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

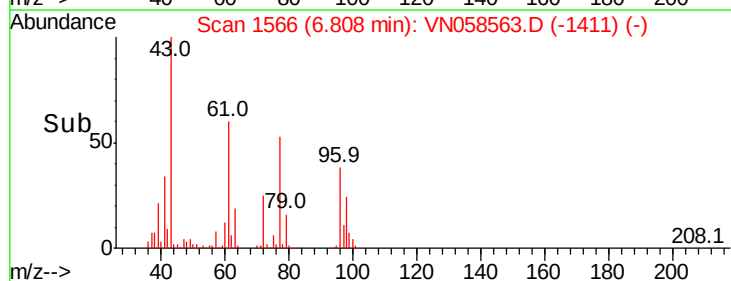
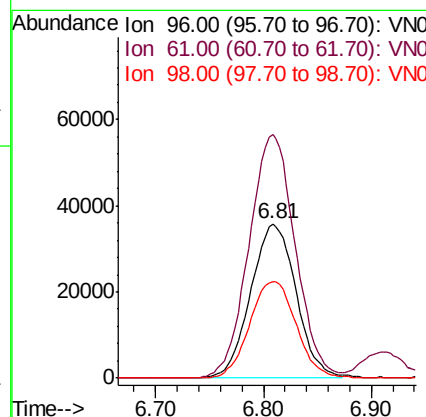
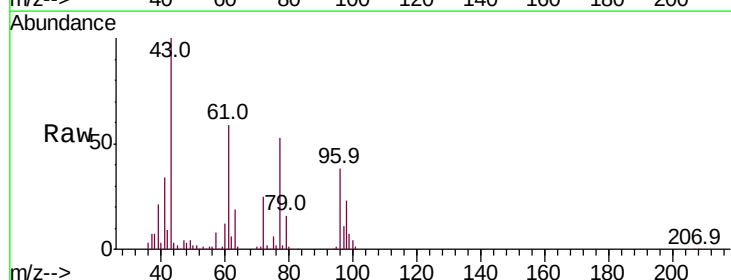
Instrument :
 MSVOA_N
 ClientSampleId :

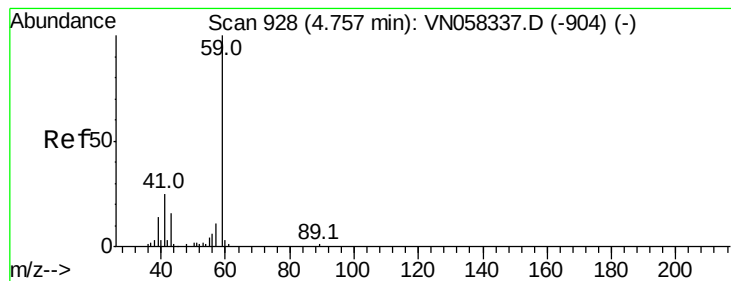
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.0	9.2
100	3.8	2.1	6.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.831 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	128.2	192.2
98	64.0	50.6	76.0





#23

tert-Butyl Alcohol

Concen: 98.914 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

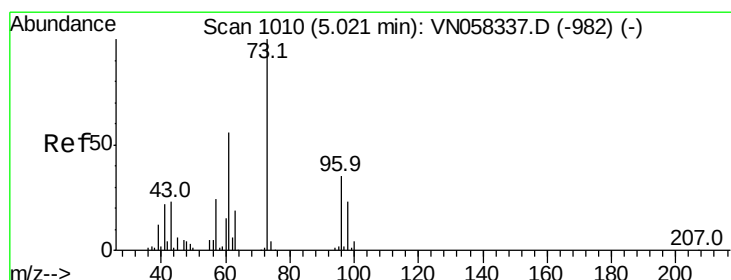
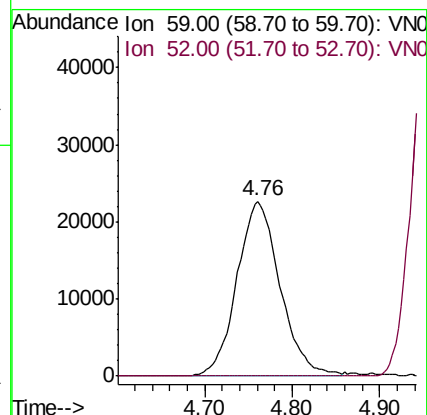
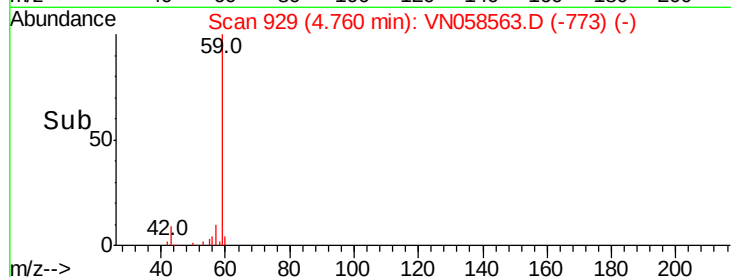
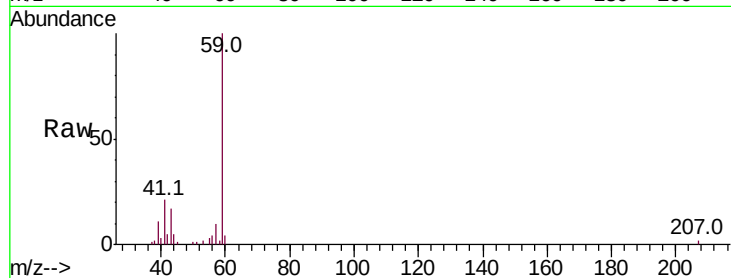
ClientSampled :

Tot Ion: 59 Resp: 77492

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 21.209 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058563.D

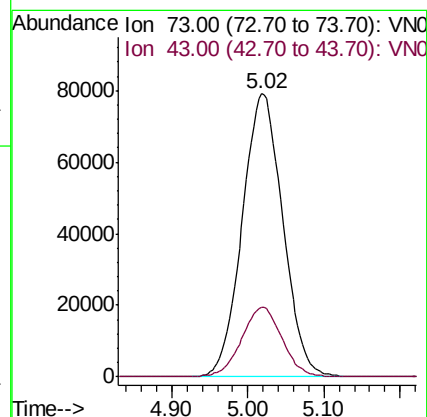
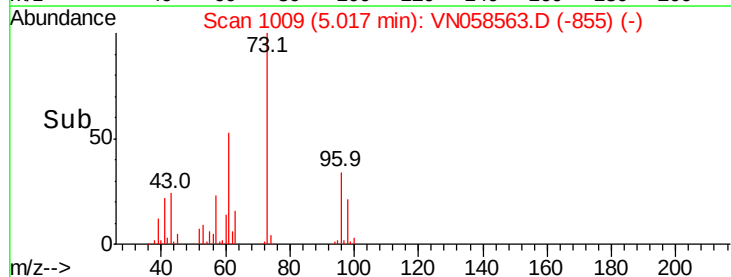
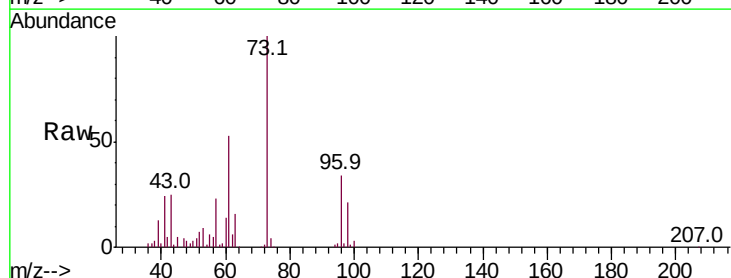
Acq: 7 Oct 2019 13:40

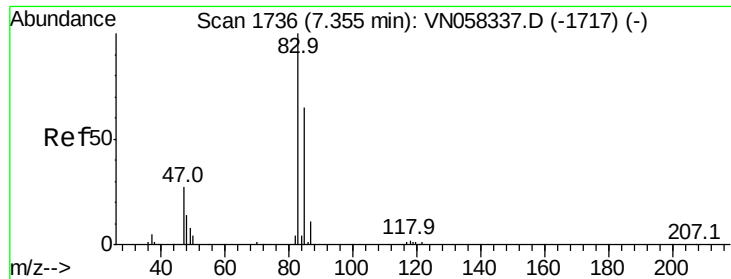
Tgt Ion: 73 Resp: 293778

Ion Ratio Lower Upper

73 100

43 24.7 18.4 27.6





#25

Chloroform

Concen: 20.987 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

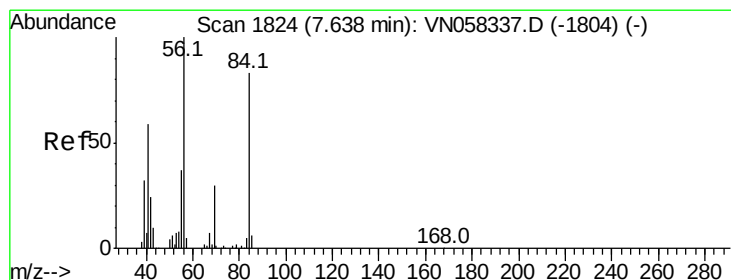
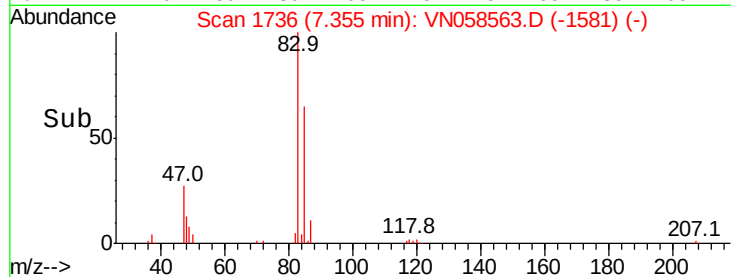
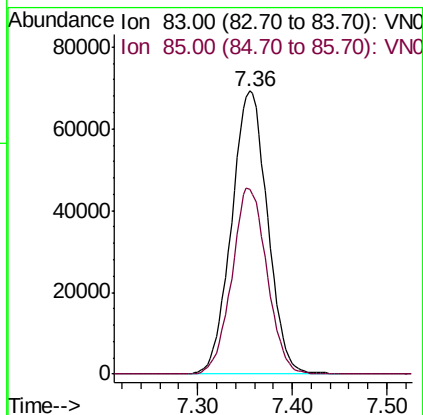
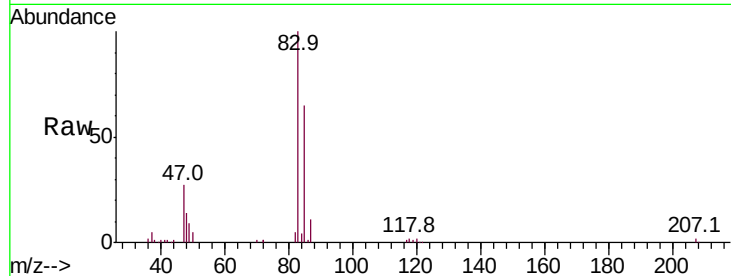
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 182644

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6



#26

Cyclohexane

Concen: 19.179 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

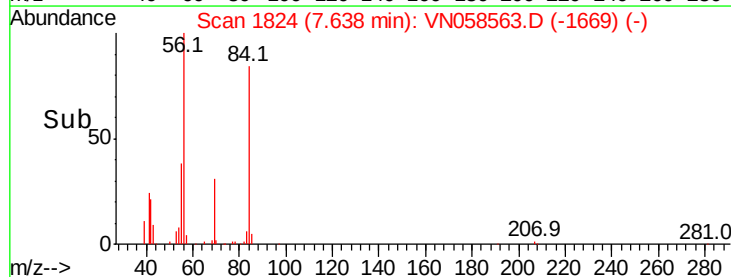
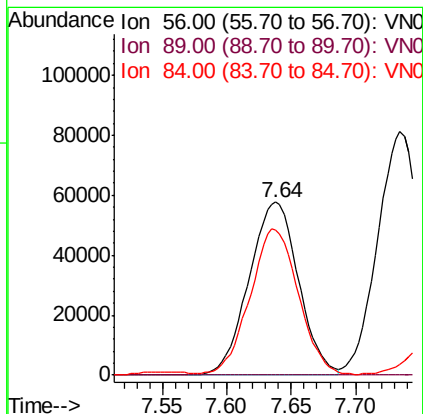
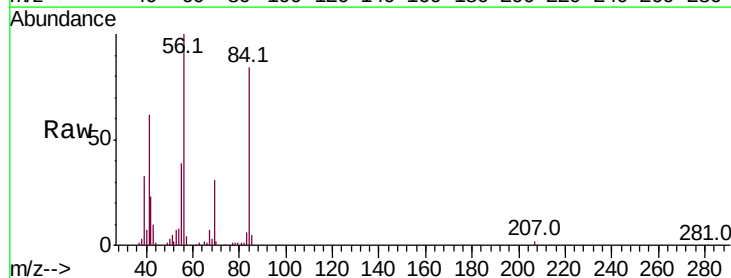
Tgt Ion: 56 Resp: 154065

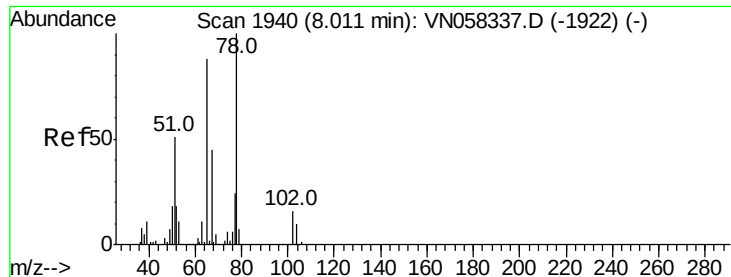
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 82.7 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 30.750 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

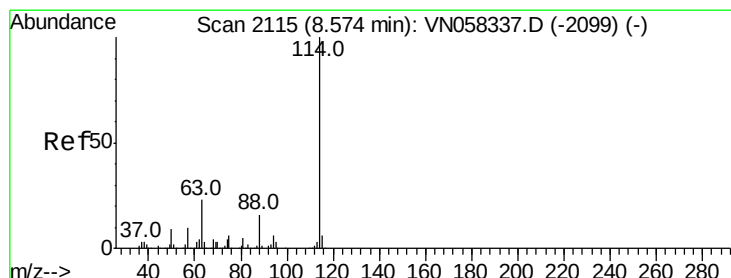
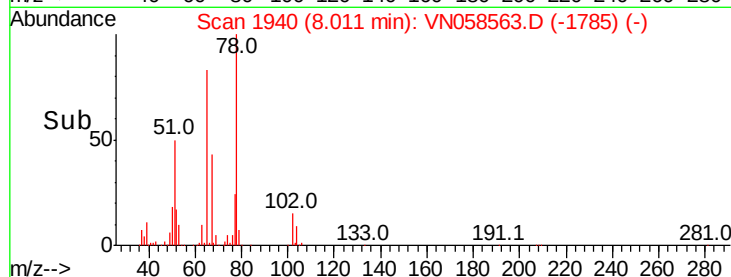
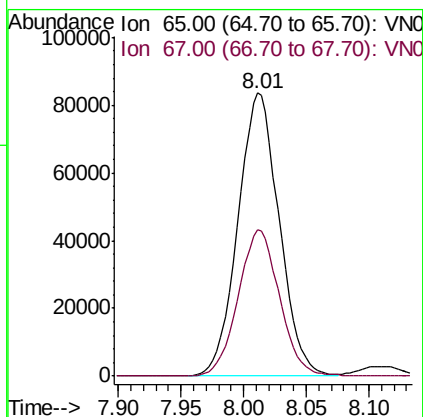
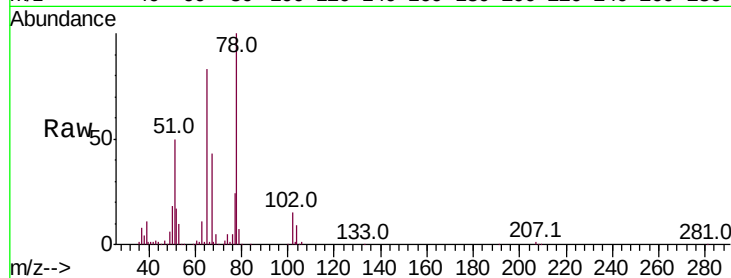
ClientSampleId :

Tot Ion: 65 Resp: 191081

Ion Ratio Lower Upper

65 100

67 51.7 40.4 60.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

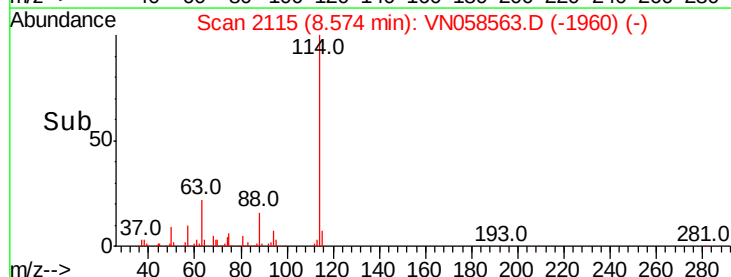
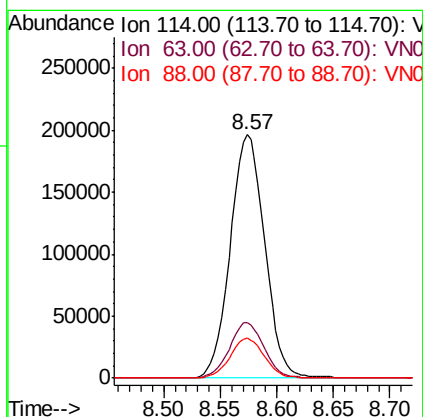
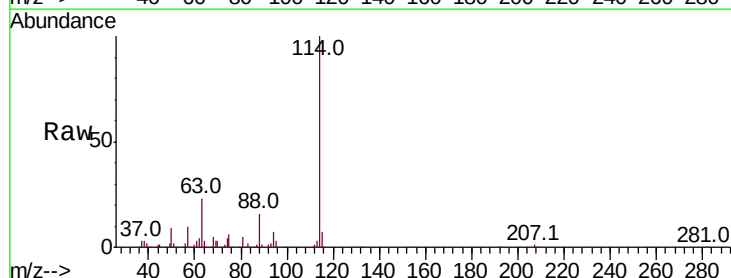
Tgt Ion: 114 Resp: 415939

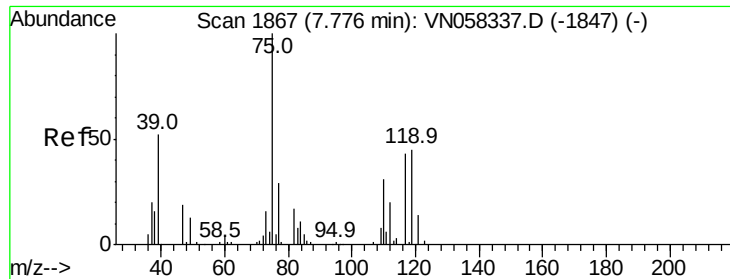
Ion Ratio Lower Upper

114 100

63 22.9 17.8 26.8

88 16.2 12.7 19.1





#29

1,1-Dichloropropene

Concen: 19.685 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :

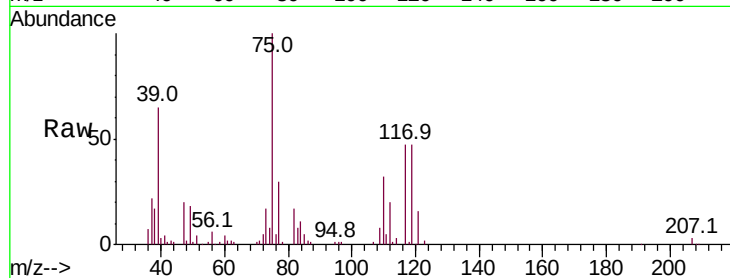
Tot Ion: 75 Resp: 133648

Ion Ratio Lower Upper

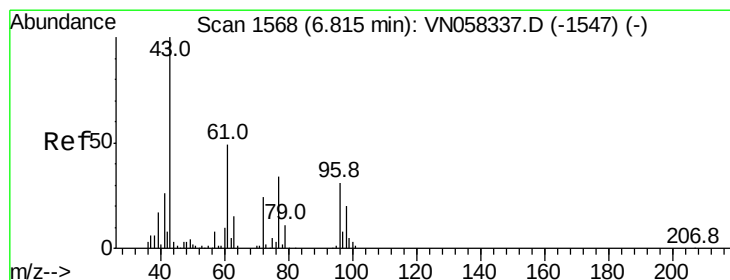
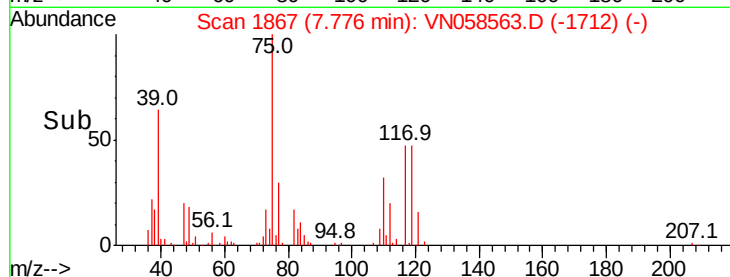
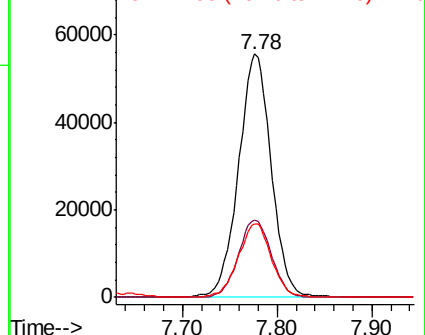
75 100

110 32.0 0.0 63.6

77 30.7 0.0 59.4



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: 95.435 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

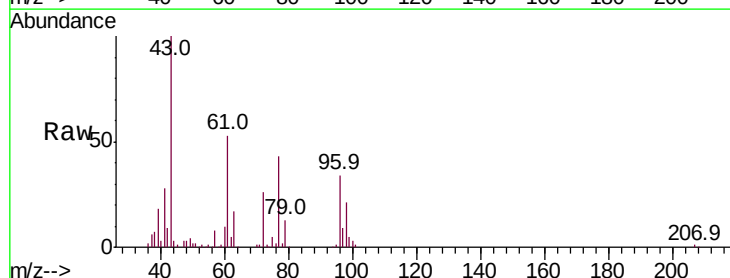
Tgt Ion: 43 Resp: 294210

Ion Ratio Lower Upper

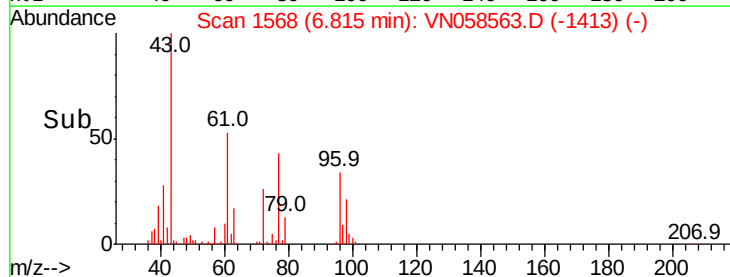
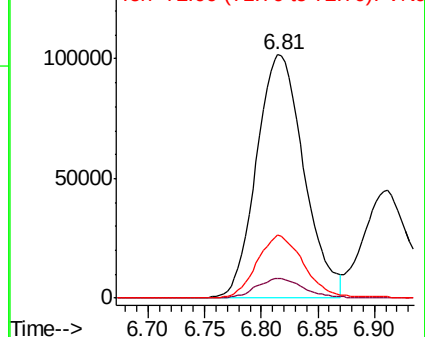
43 100

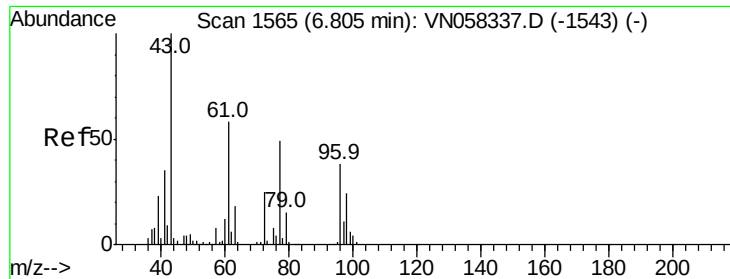
57 8.1 6.2 9.4

72 25.7 20.3 30.5



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

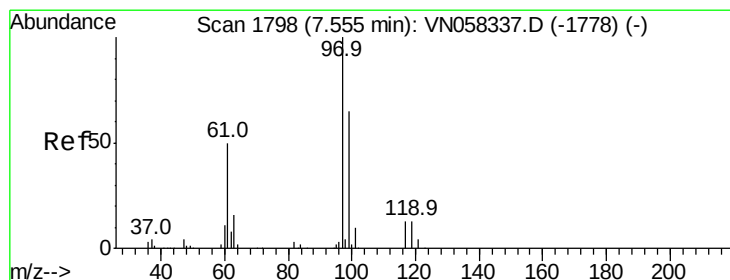
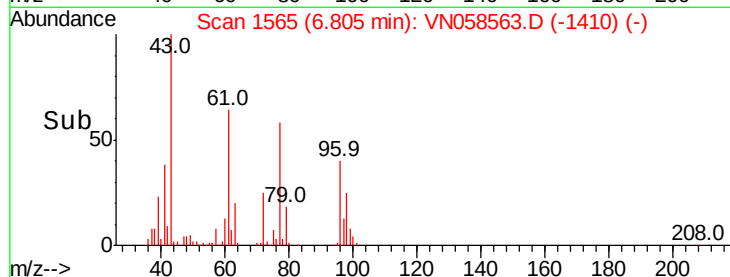
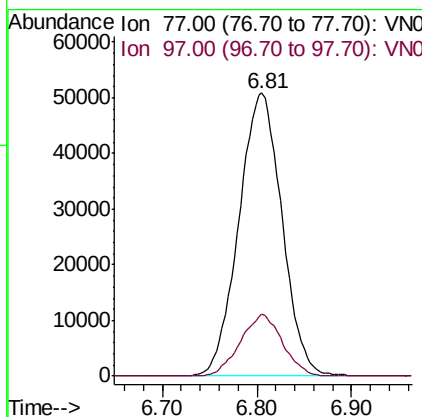
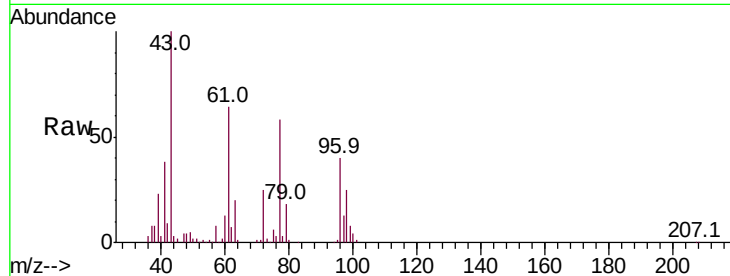




#31
 2,2-Dichloropropane
 Concen: 23.038 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

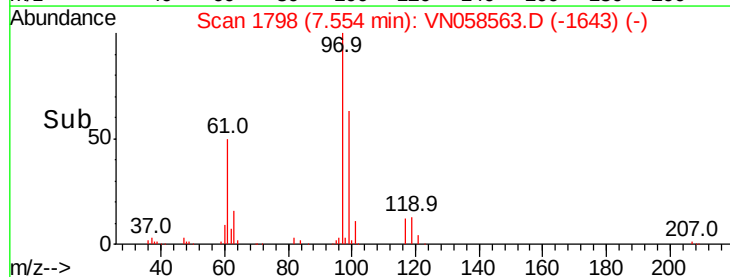
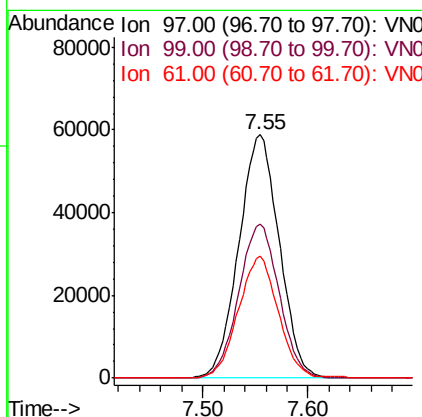
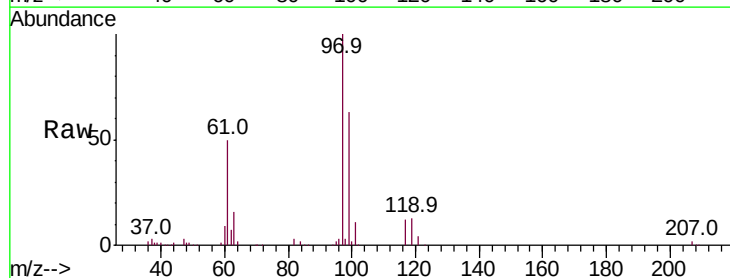
Instrument :
 MSVOA_N
 ClientSampled :

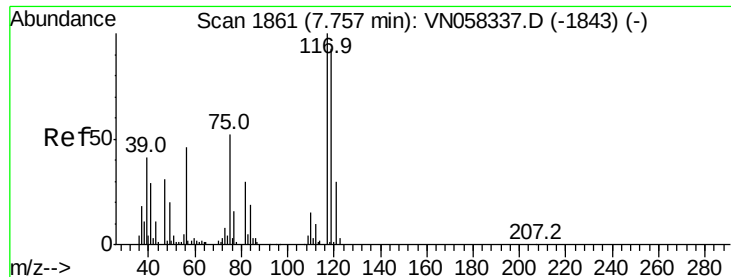
Tot Ion: 77 Resp: 161033
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 21.414 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion: 97 Resp: 156819
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.8 77.6
 61 49.3 39.4 59.2





#33

Carbon Tetrachloride

Concen: 21.280 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :

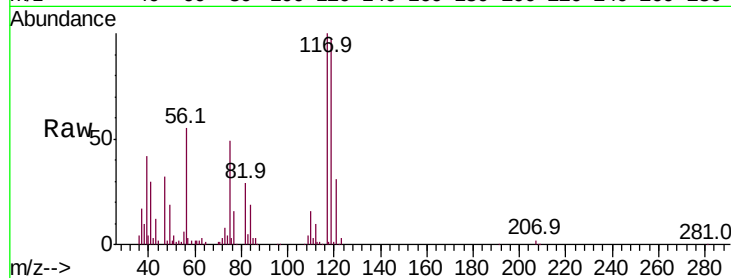
Tot Ion:117 Resp: 132400

Ion Ratio Lower Upper

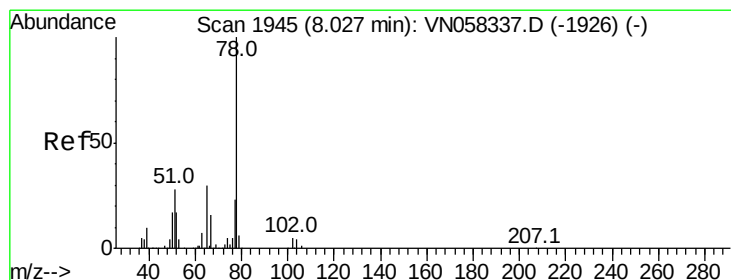
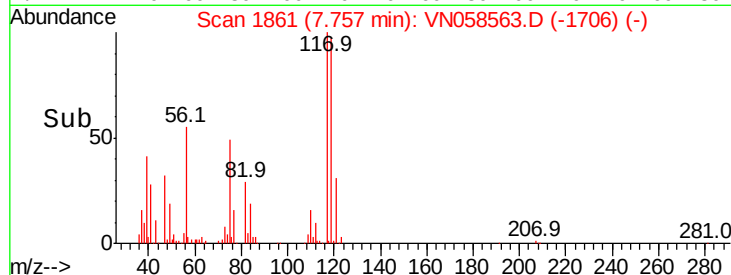
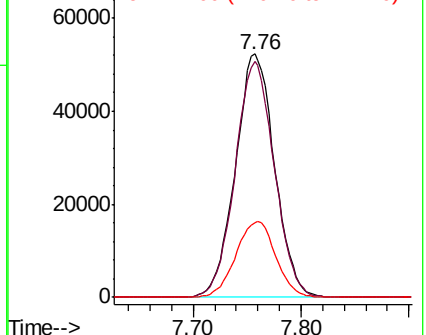
117 100

119 97.0 74.2 111.4

121 30.7 23.9 35.9



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: 20.293 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

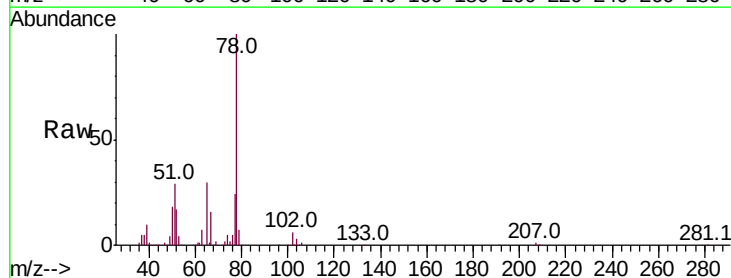
Tgt Ion: 78 Resp: 390843

Ion Ratio Lower Upper

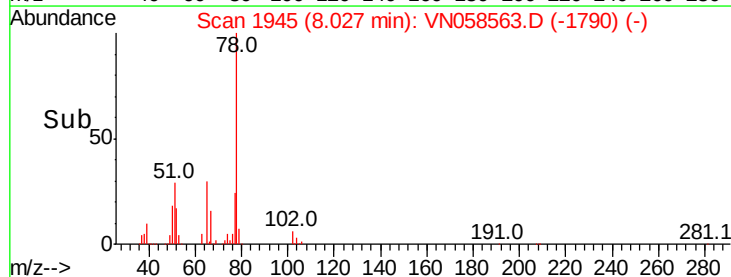
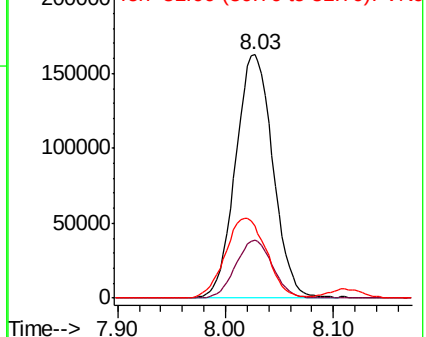
78 100

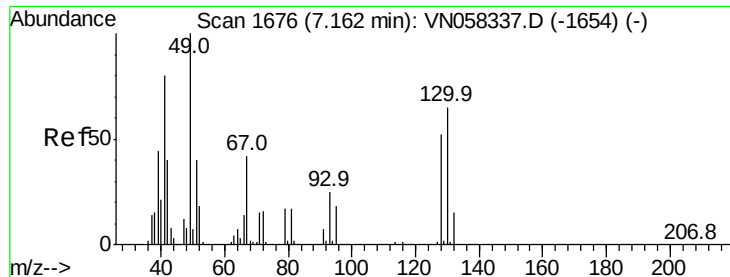
77 23.9 18.8 28.2

51 29.2 22.4 33.6



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

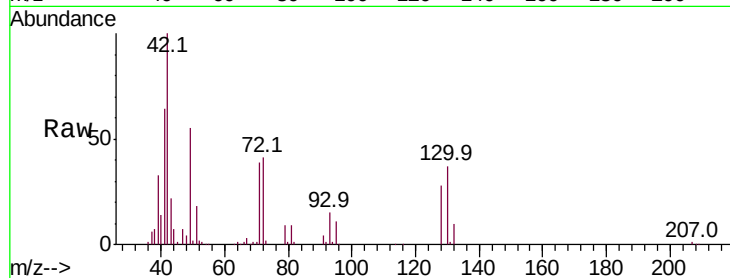




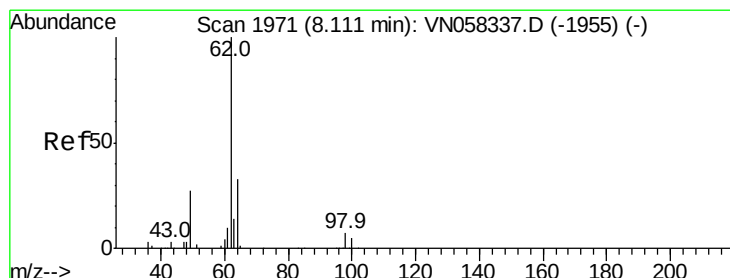
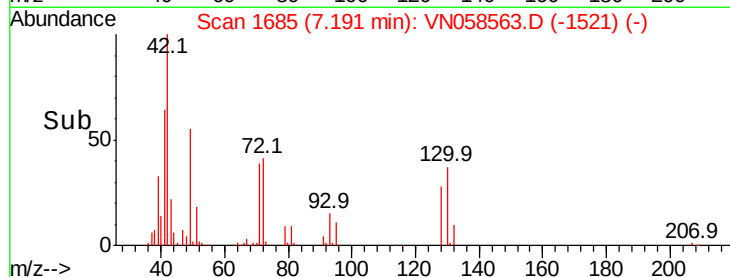
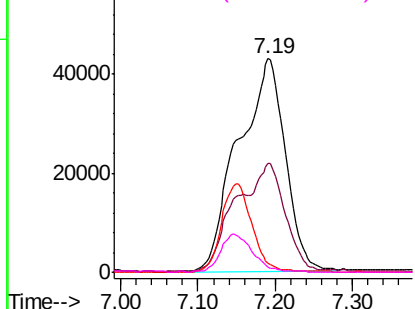
#35
Methacrylonitrile
Concen: 68.569 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 181819
Ion Ratio Lower Upper
41 100
39 51.3 27.3 81.9
67 4.5 26.3 78.9#
52 2.7 11.0 33.0#

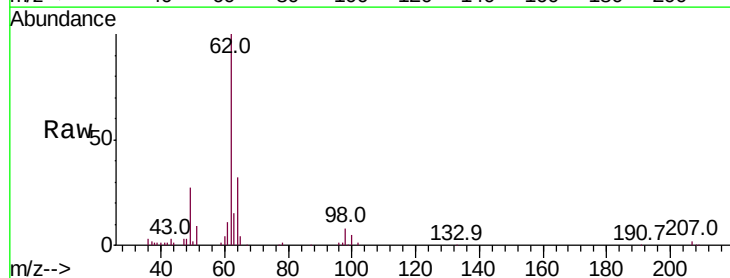


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

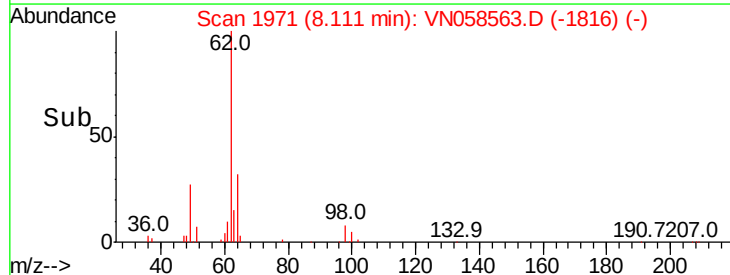
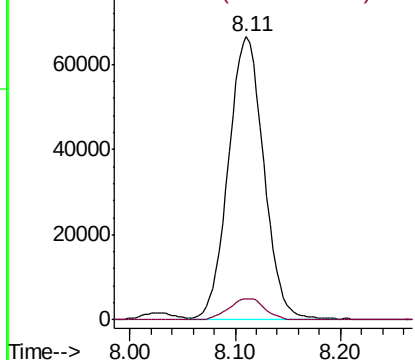


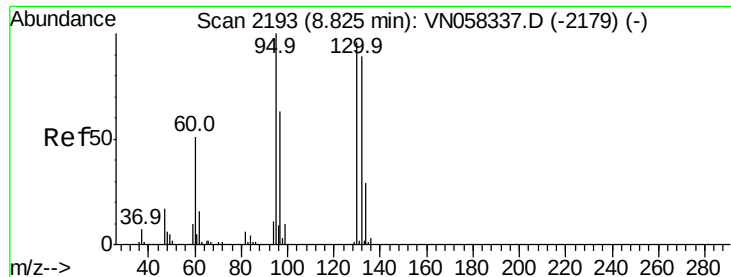
#36
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 62 Resp: 154513
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.359 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

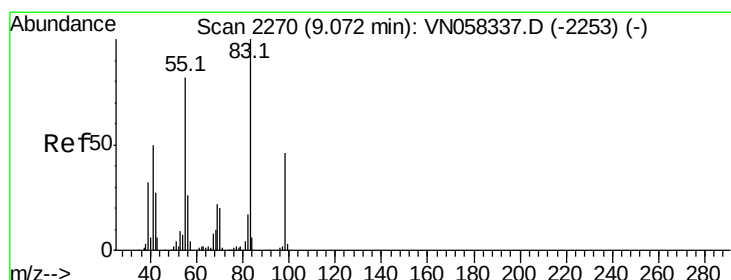
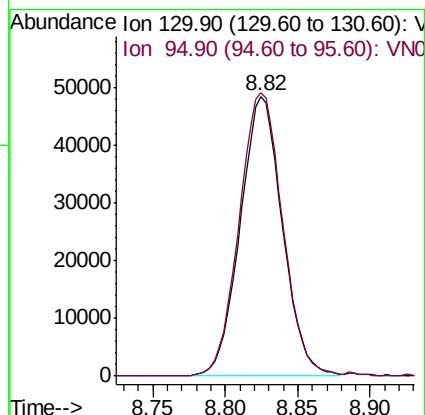
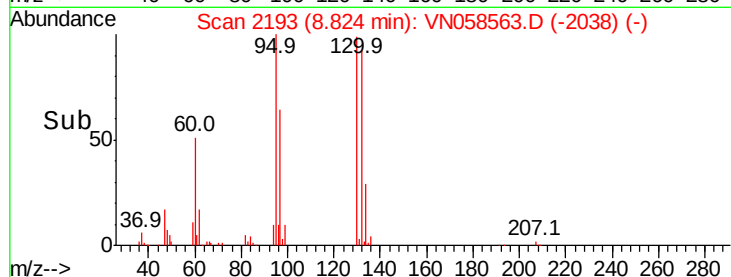
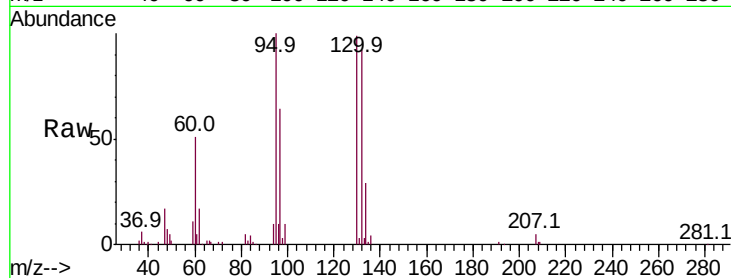
ClientSampled :

Tot Ion:130 Resp: 98168

Ion Ratio Lower Upper

130 100

95 101.1 83.3 124.9



#38

Methylcyclohexane

Concen: 18.267 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

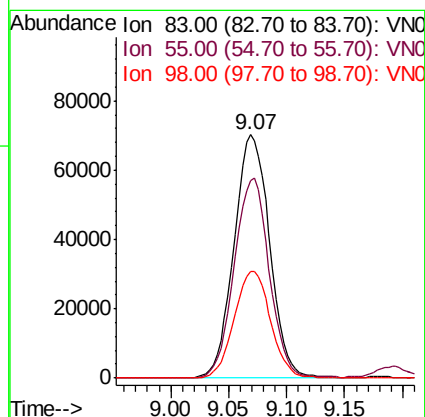
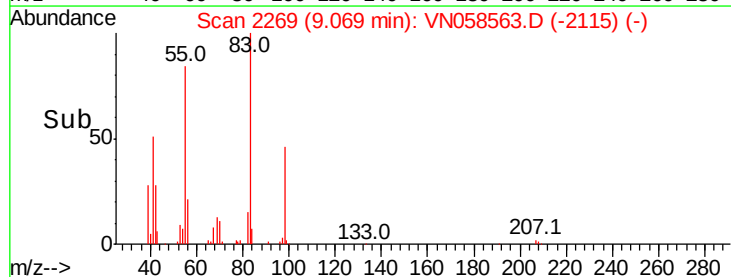
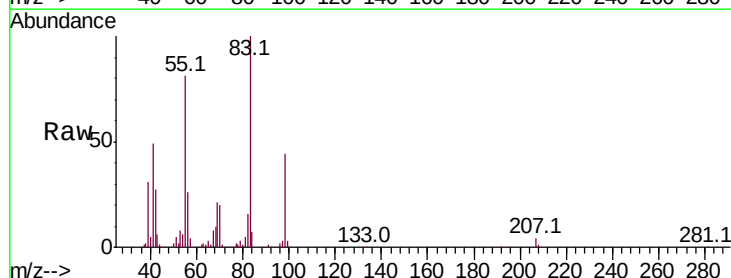
Tgt Ion: 83 Resp: 149971

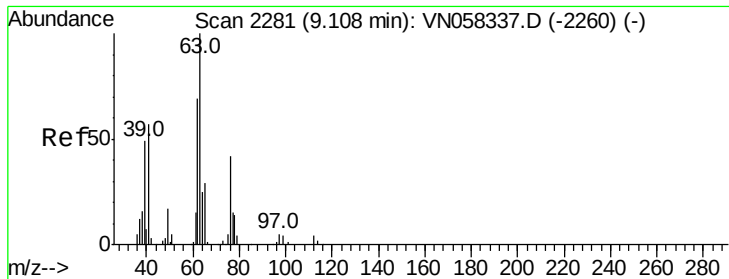
Ion Ratio Lower Upper

83 100

55 80.7 40.5 121.4

98 44.7 23.1 69.2

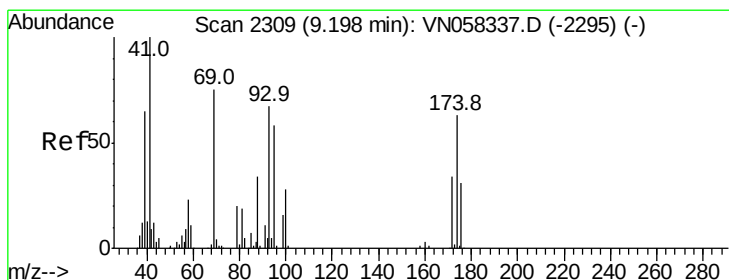
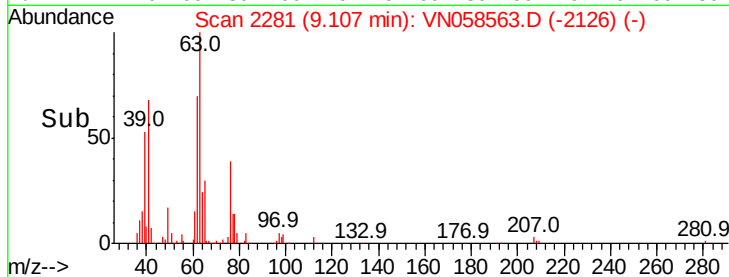
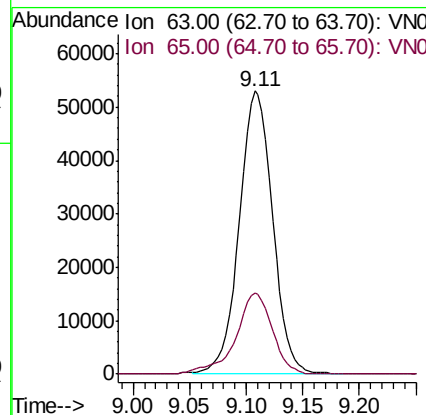
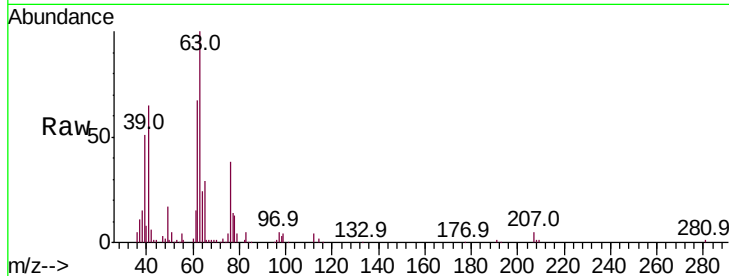




#39
 1,2-Dichloropropane
 Concen: 20.800 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

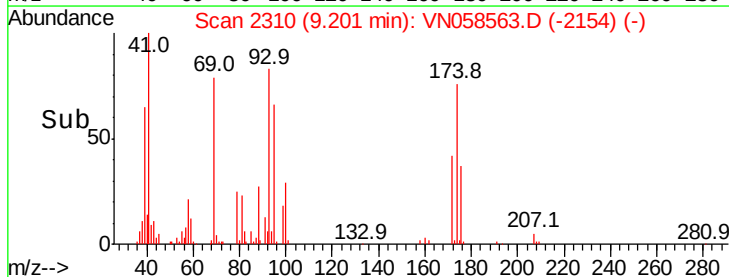
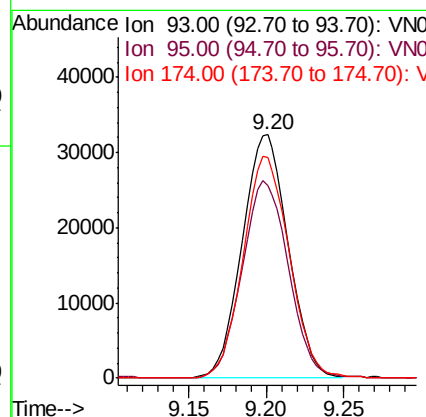
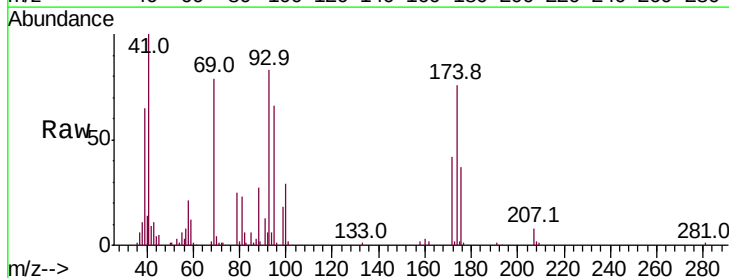
Instrument :
 MSVOA_N
 ClientSampleId :

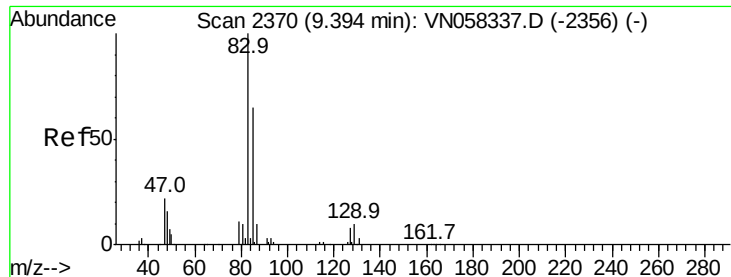
Tot Ion: 63 Resp: 109274
 Ion Ratio Lower Upper
 63 100
 65 28.6 23.4 35.0



#40
 Dibromomethane
 Concen: 20.228 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion: 93 Resp: 67071
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 166.8
 174 91.2 0.0 187.2





#41

Bromodichloromethane

Concen: 20.936 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

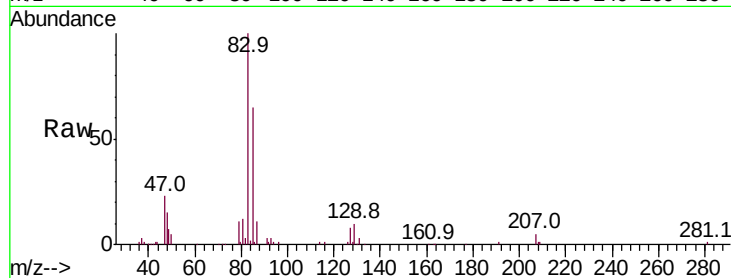
Tot Ion: 83 Resp: 137210

Ion Ratio Lower Upper

83 100

85 64.8 52.0 78.0

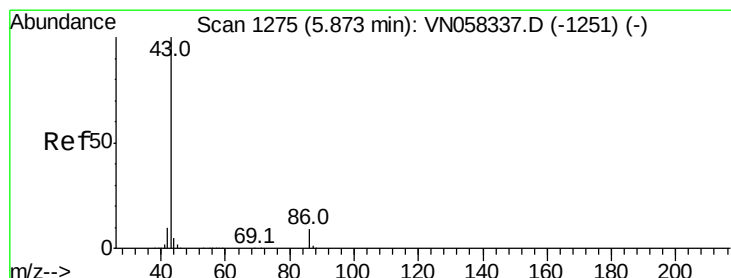
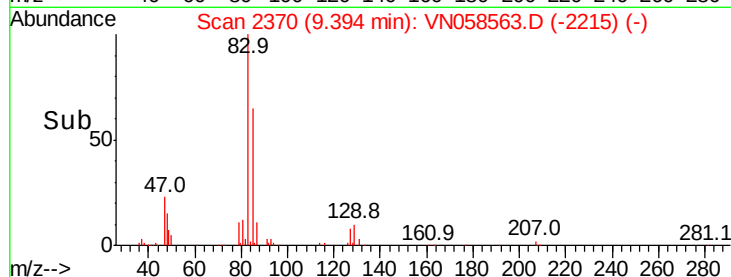
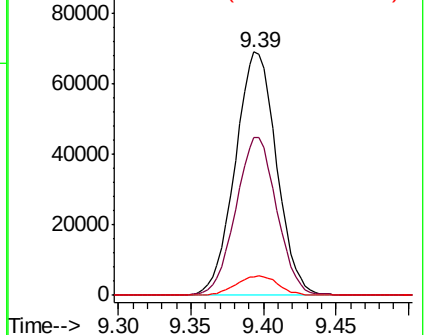
127 7.8 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 111.413 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058563.D

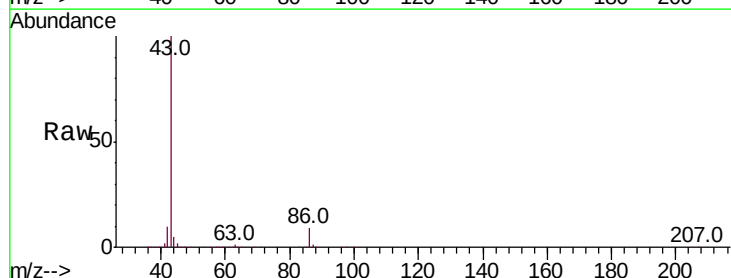
Acq: 7 Oct 2019 13:40

Tgt Ion: 43 Resp: 1311422

Ion Ratio Lower Upper

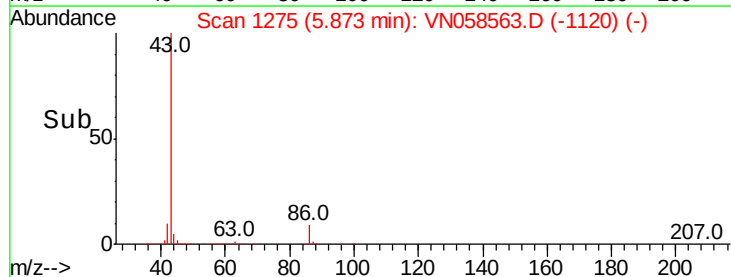
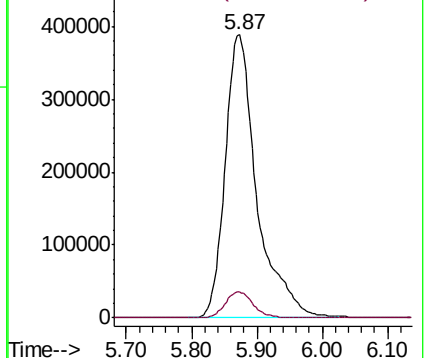
43 100

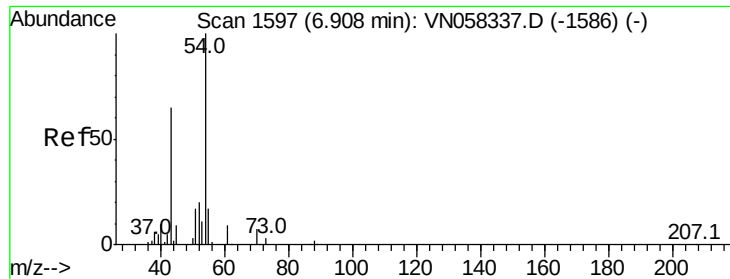
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

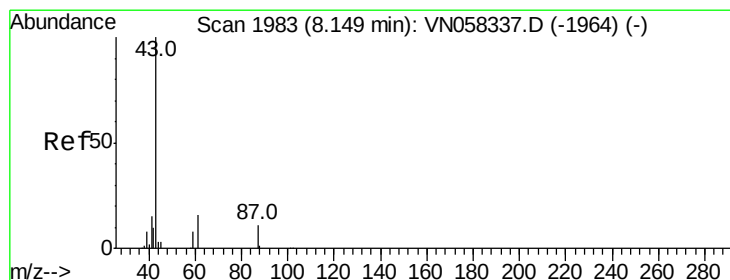
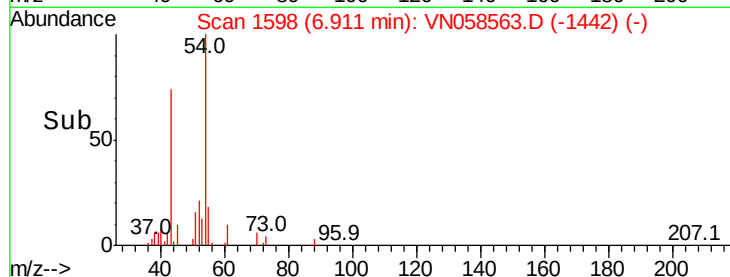
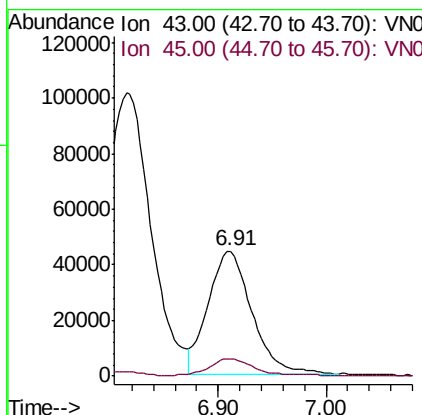
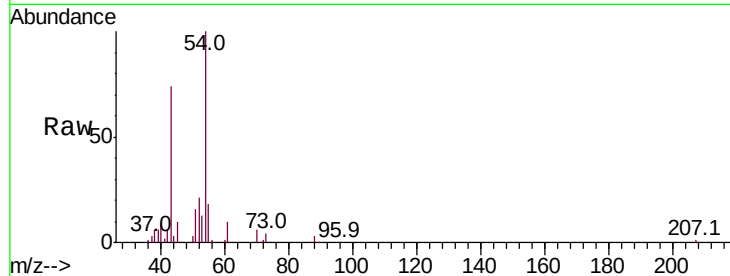




#43
Ethyl Acetate
Concen: 20.437 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

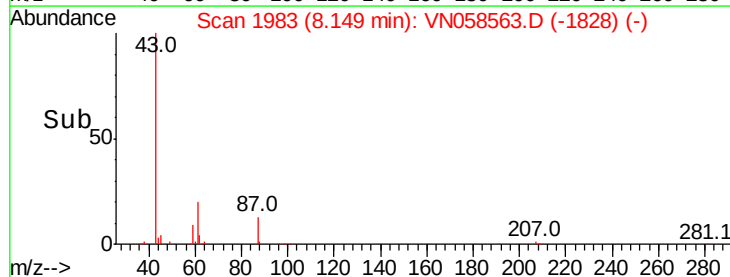
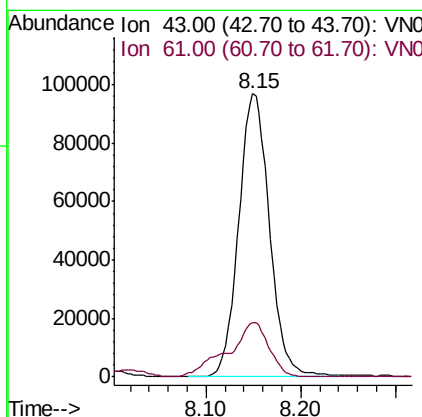
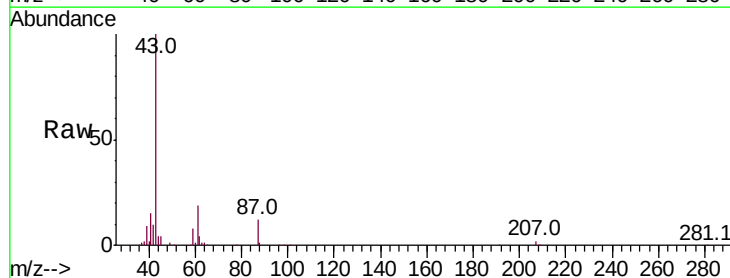
Instrument :
MSVOA_N
ClientSampled :

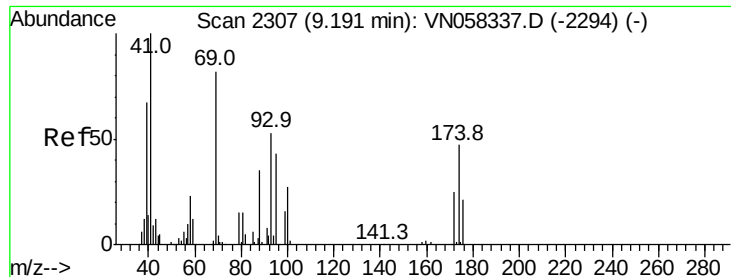
Tot Ion: 43 Resp: 125096
Ion Ratio Lower Upper
43 100
45 13.2 9.8 14.6



#44
Isopropyl Acetate
Concen: 19.997 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 43 Resp: 219110
Ion Ratio Lower Upper
43 100
61 18.2 14.4 21.6

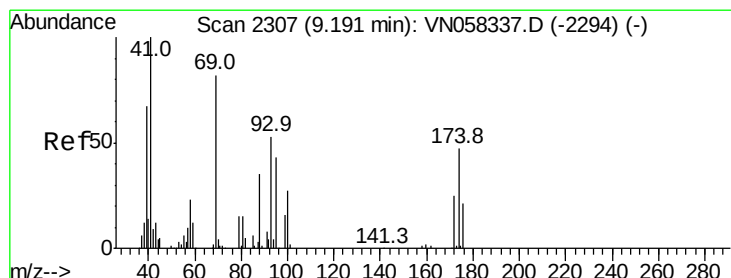
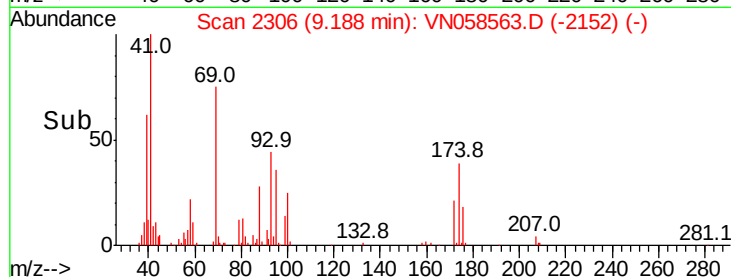
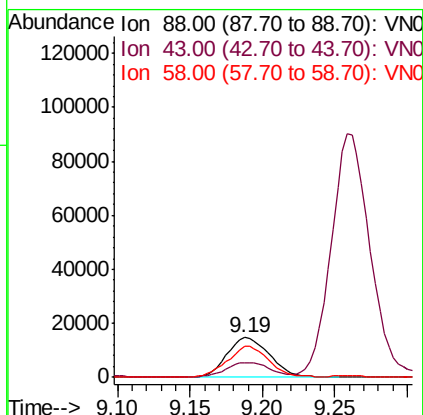
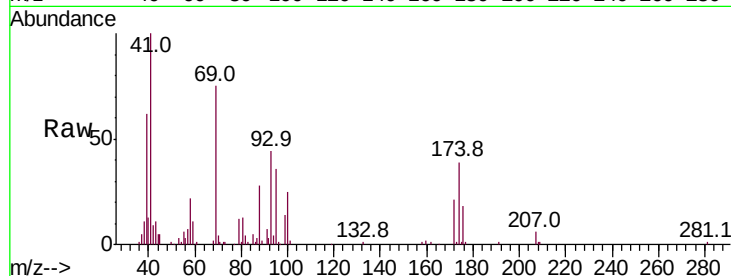




#45
1,4-Dioxane
Concen: 329.529 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

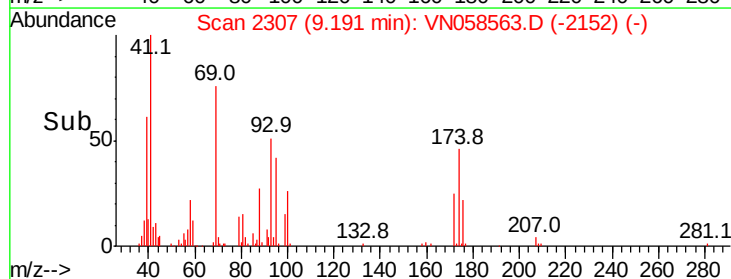
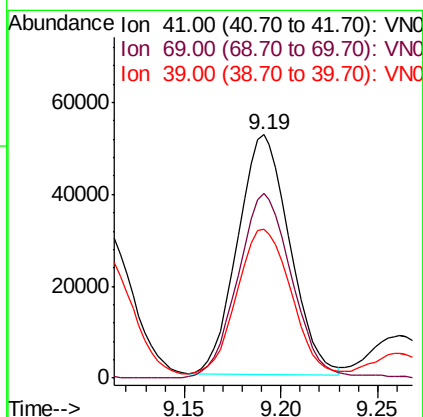
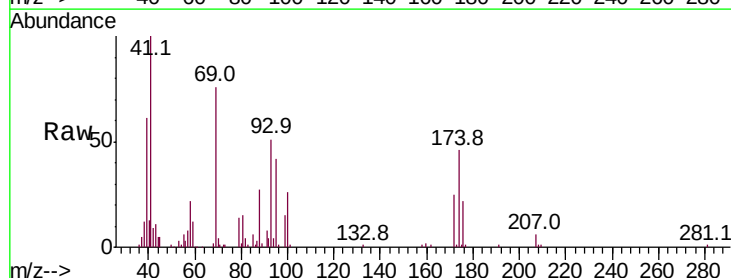
Instrument :
MSVOA_N
ClientSampled :

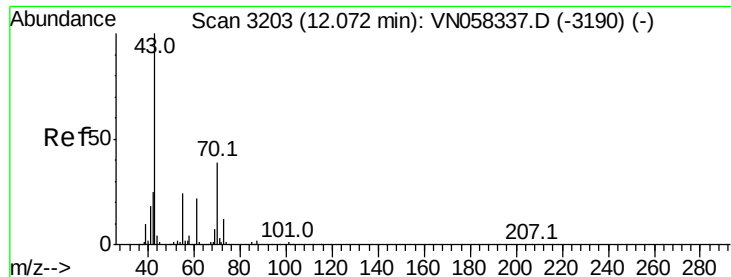
Tot Ion: 88 Resp: 30461
Ion Ratio Lower Upper
88 100
43 36.7 27.2 40.8
58 75.3 55.4 83.0



#46
Methyl methacrylate
Concen: 18.689 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 41 Resp: 97051
Ion Ratio Lower Upper
41 100
69 76.8 40.9 122.7
39 60.8 33.6 100.6





#47

n-amvl Acetate

Concen: 19.674 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

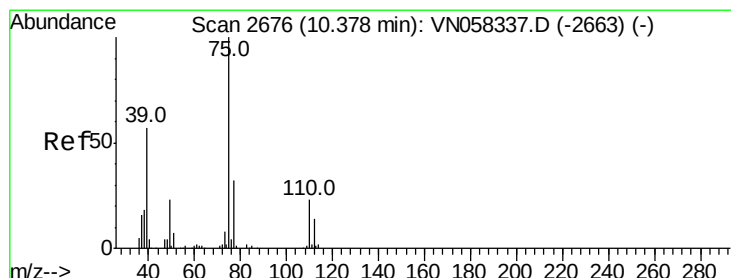
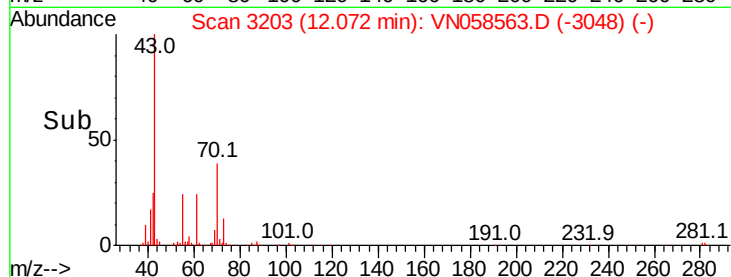
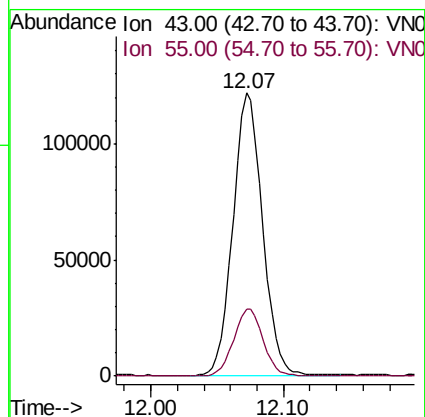
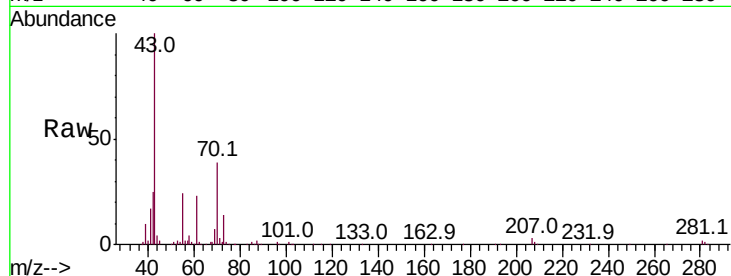
ClientSampled :

Tot Ion: 43 Resp: 187639

Ion Ratio Lower Upper

43 100

55 23.9 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 21.610 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058563.D

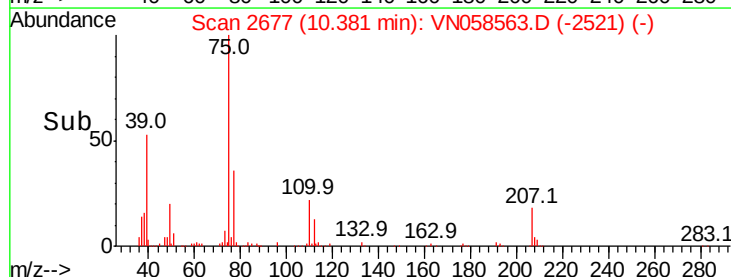
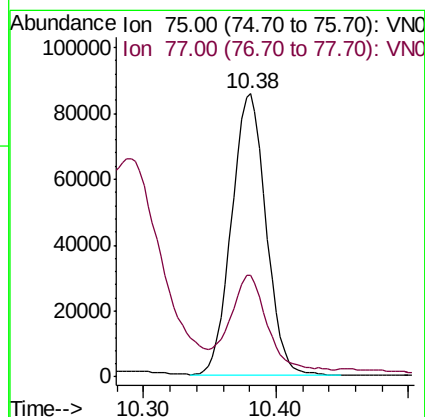
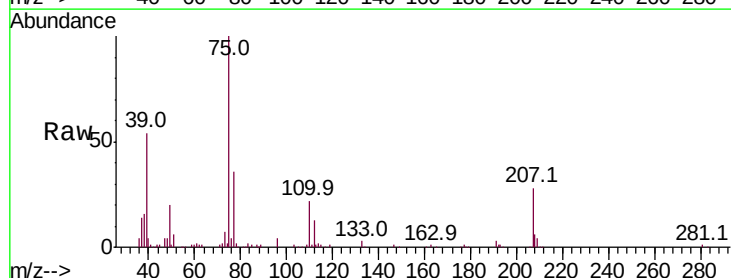
Acq: 7 Oct 2019 13:40

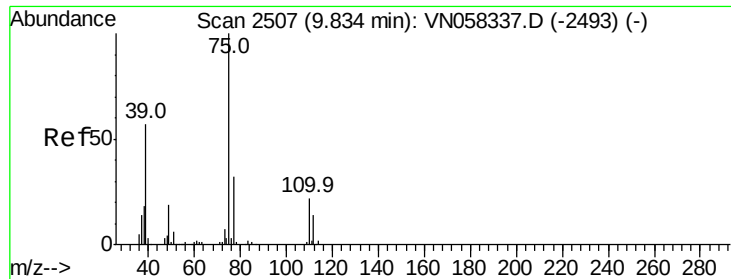
Tgt Ion: 75 Resp: 154756

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.0



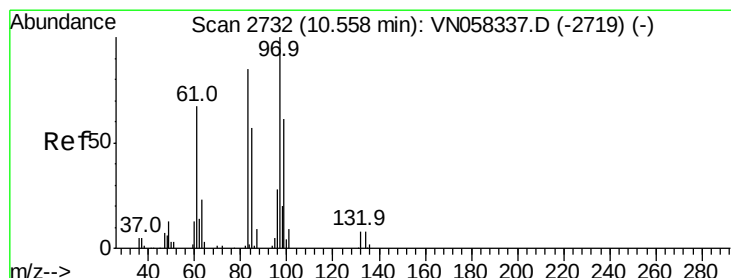
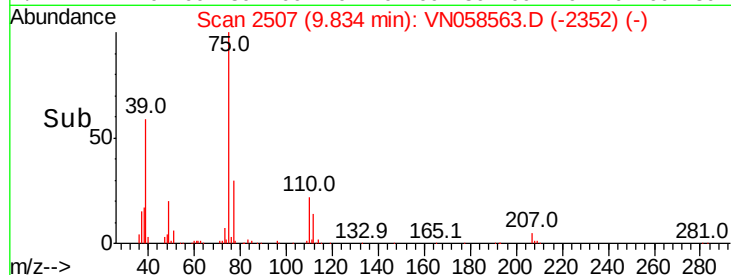
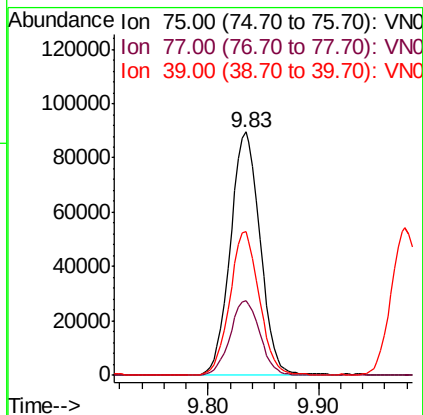
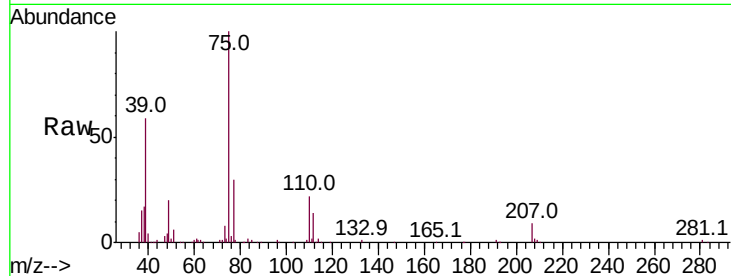


#49

cis-1,3-Dichloropropene
Concen: 20.999 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampled :

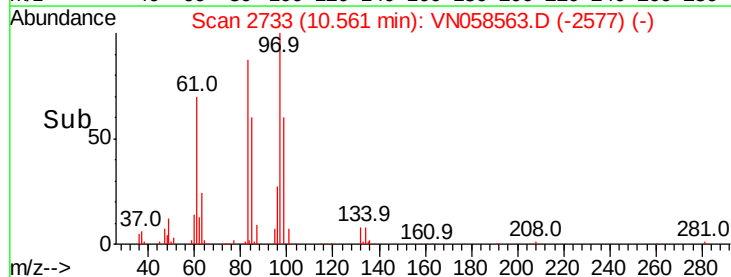
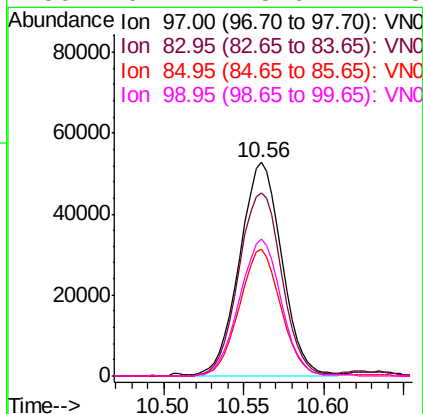
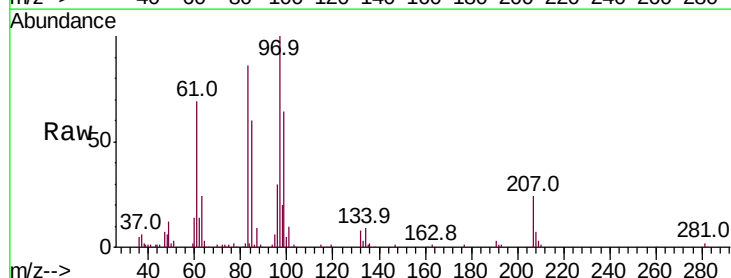
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8
39	58.9	45.8	68.6

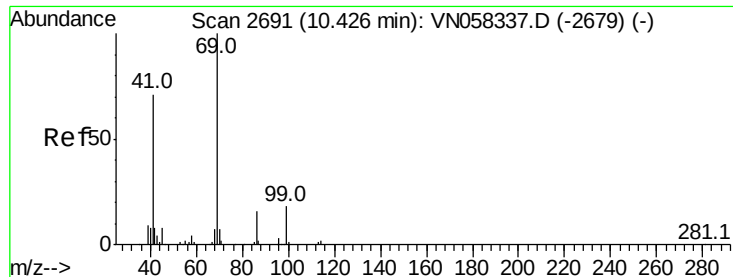


#50

1,1,2-Trichloroethane
Concen: 20.691 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.8	101.6
85	59.9	45.8	68.6
99	64.2	48.6	72.8





#51

Ethyl methacrylate

Concen: 18.918 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

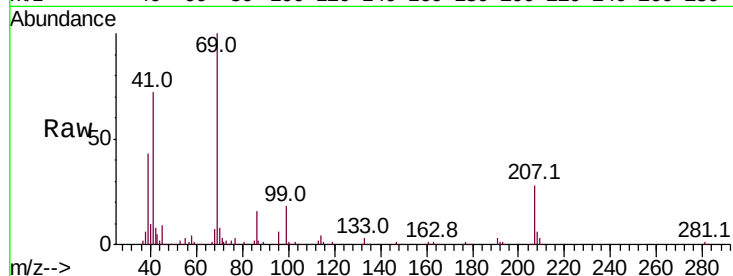
Tot Ion: 69 Resp: 138706

Ion Ratio Lower Upper

69 100

41 71.6 35.4 106.1

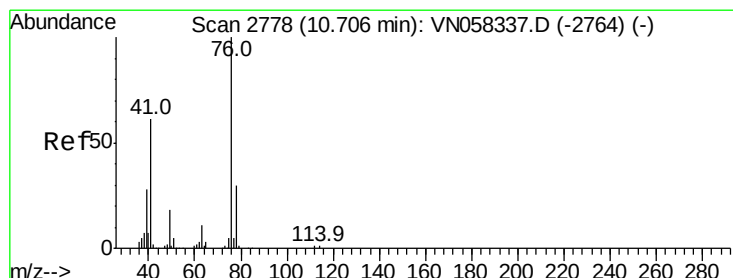
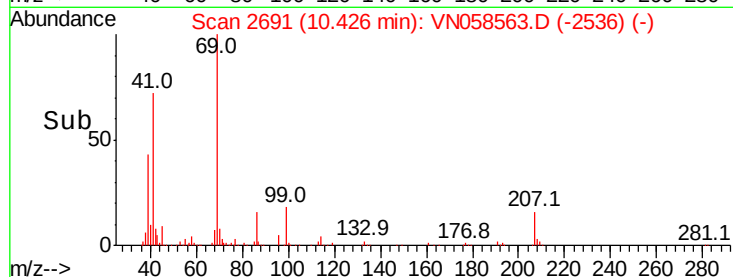
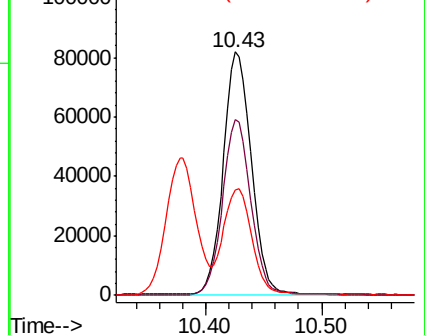
39 42.8 23.5 70.5



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: 20.445 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058563.D

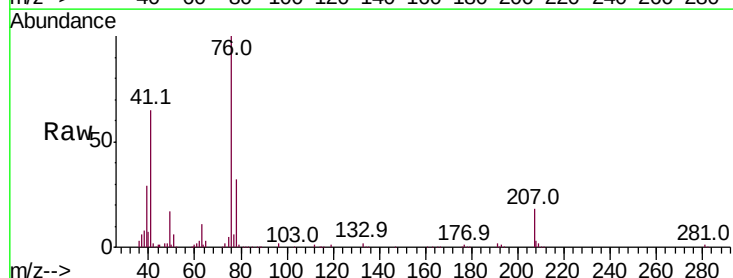
Acq: 7 Oct 2019 13:40

Tgt Ion: 76 Resp: 168267

Ion Ratio Lower Upper

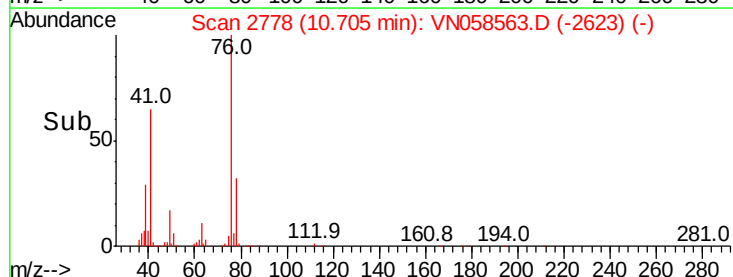
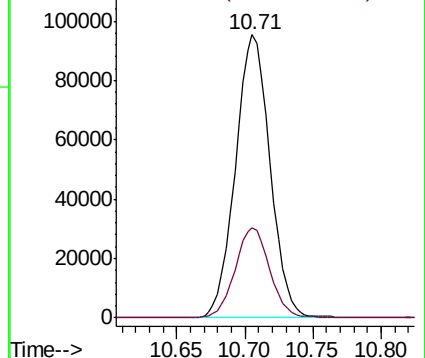
76 100

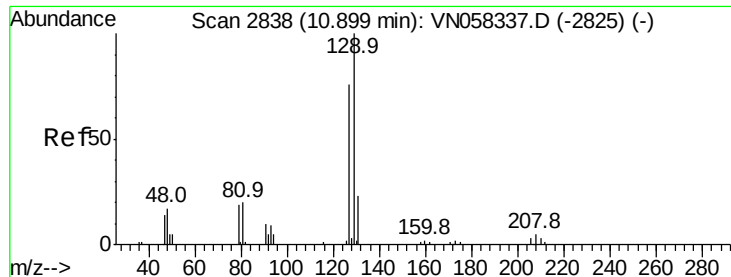
78 32.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.425 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

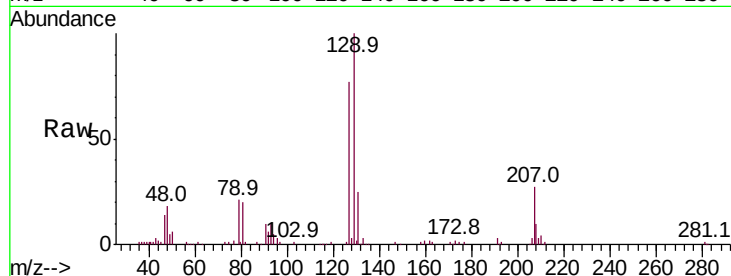
ClientSampleId :

Tot Ion:129 Resp: 95086

Ion Ratio Lower Upper

129 100

127 78.7 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

50000

40000

30000

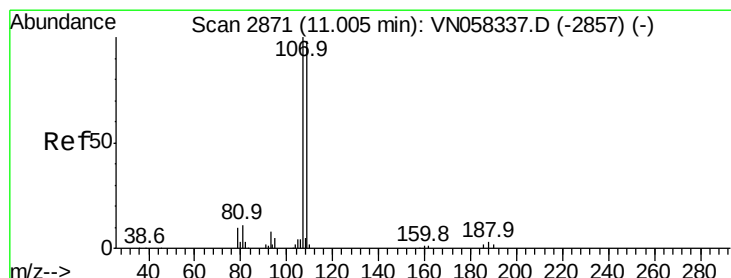
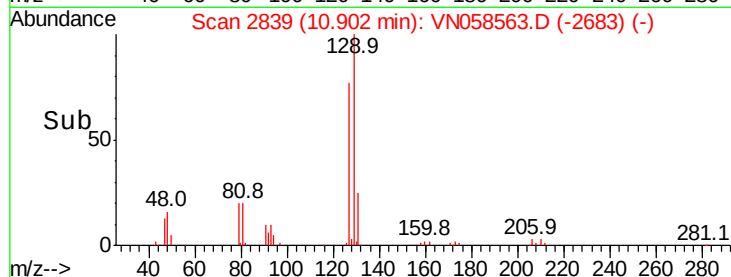
20000

10000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 20.240 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058563.D

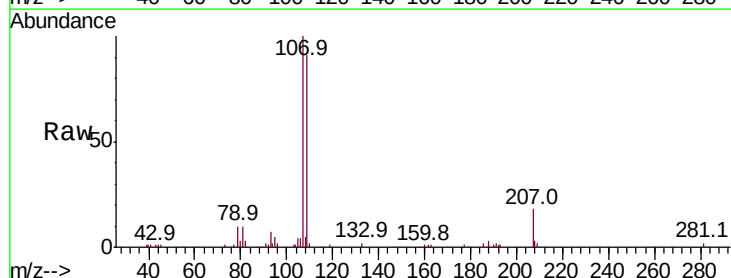
Acq: 7 Oct 2019 13:40

Tgt Ion:107 Resp: 95716

Ion Ratio Lower Upper

107 100

109 93.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

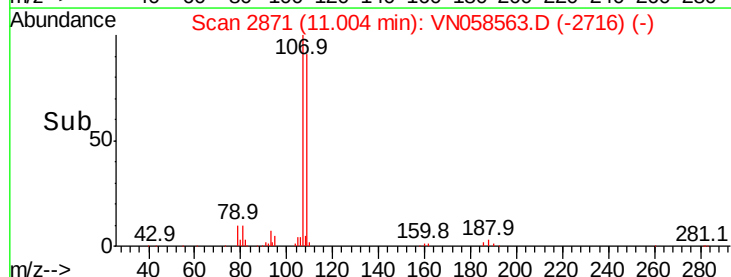
20000

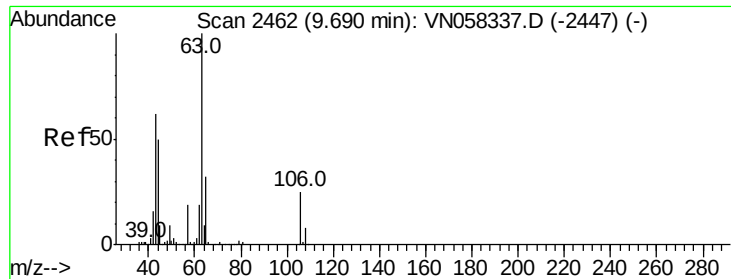
10000

0

10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 111.759 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

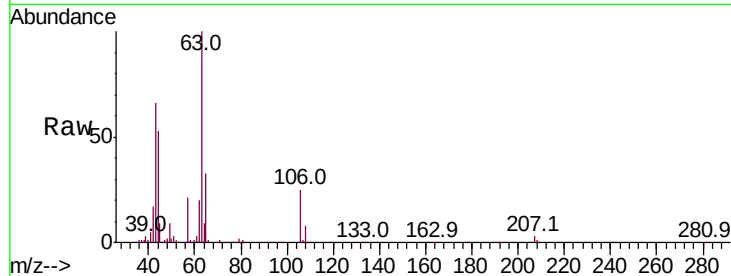
Tot Ion: 63 Resp: 346957

Ion Ratio Lower Upper

63 100

65 32.3 25.4 38.2

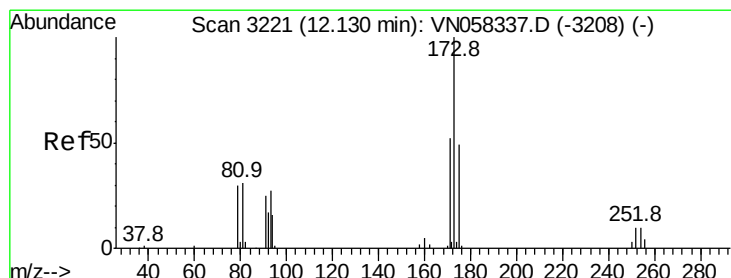
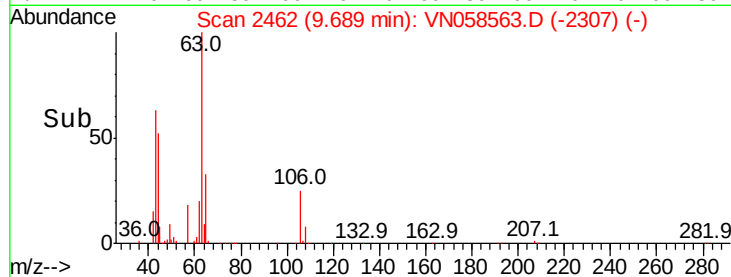
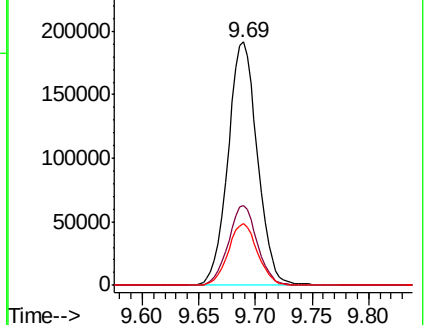
106 25.4 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN058337.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058337.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058337.D (-2447) (-)



#56

Bromoform

Concen: 20.668 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

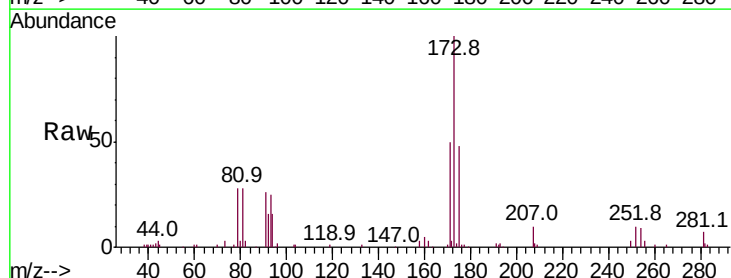
Tgt Ion: 173 Resp: 60691

Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

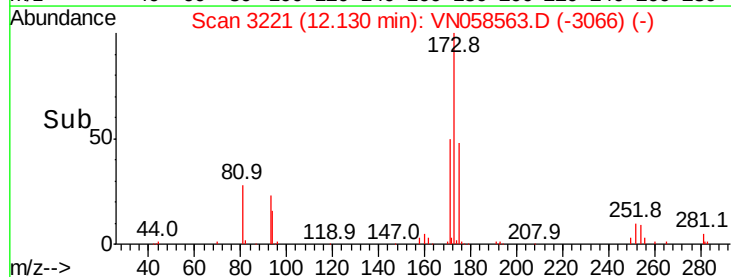
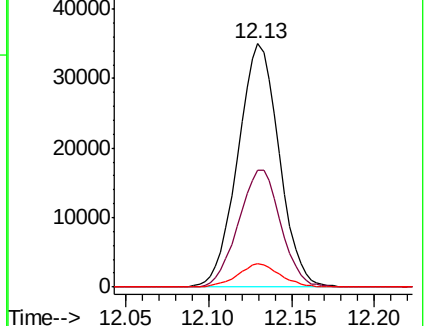
254 9.8 7.8 11.8

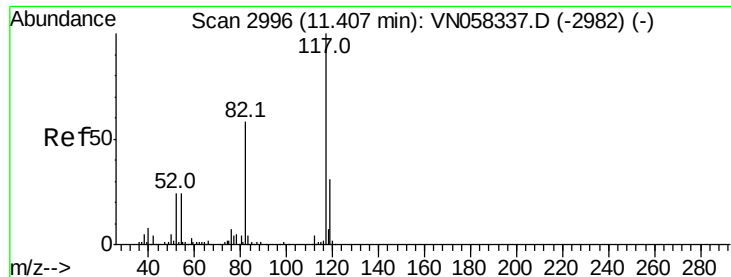


Abundance Ion 173.00 (172.70 to 173.70): VN058337.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058337.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058337.D (-3208) (-)

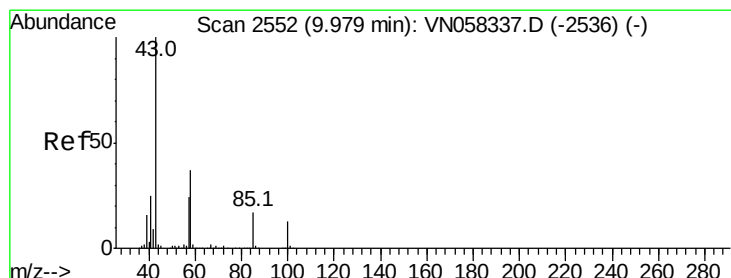
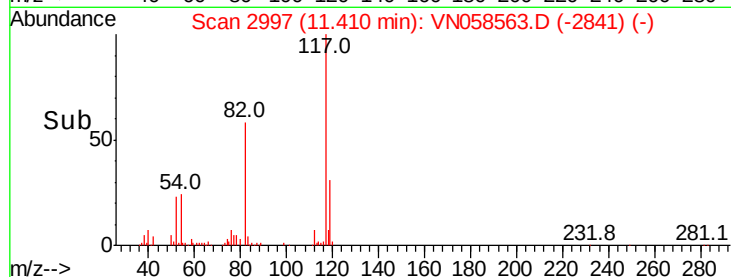
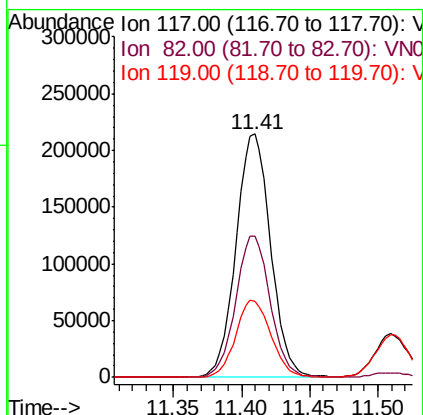
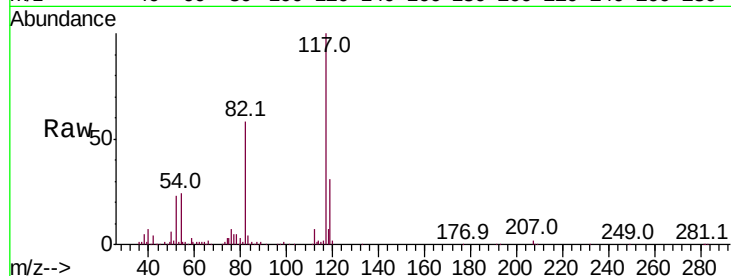




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

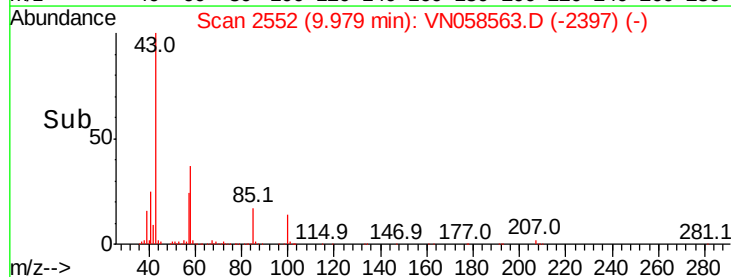
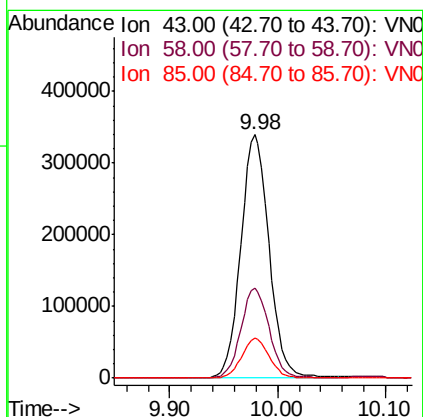
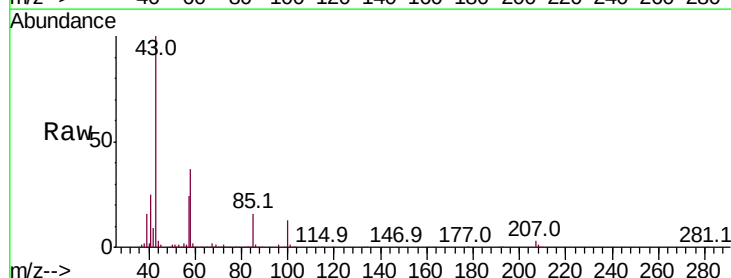
Instrument :
MSVOA_N
ClientSampled :

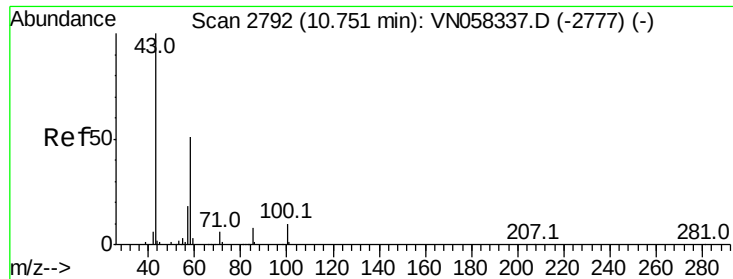
Tot Ion:117 Resp: 378226
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 32.4 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 104.285 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion: 43 Resp: 618030
Ion Ratio Lower Upper
43 100
58 37.2 29.3 43.9
85 16.1 13.1 19.7

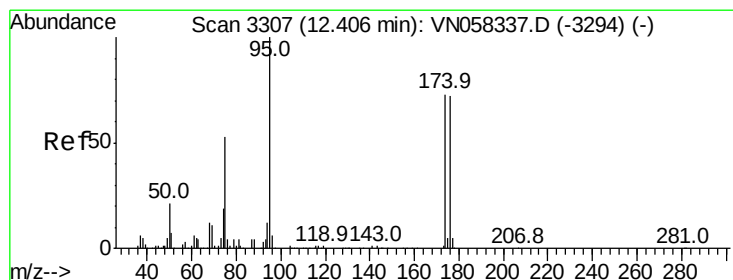
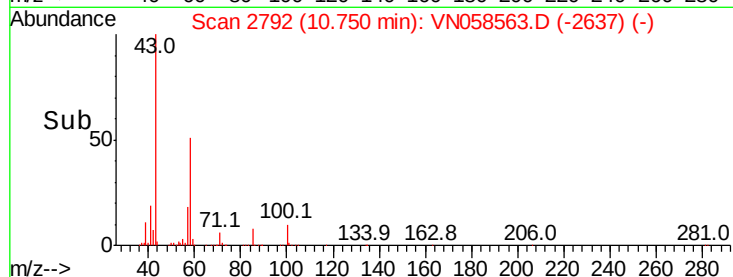
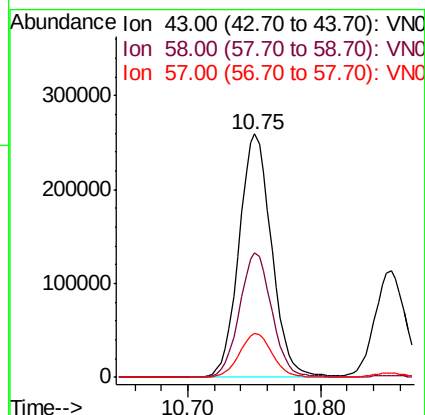
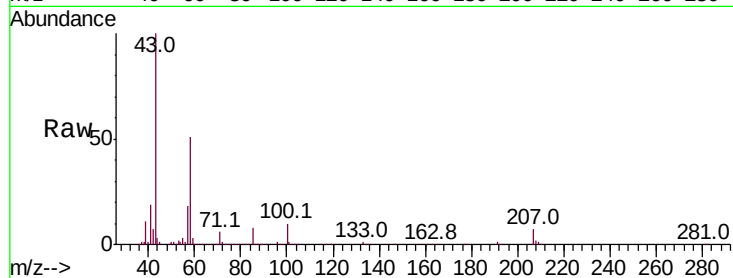




#59
2-Hexanone
Concen: 98.201 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

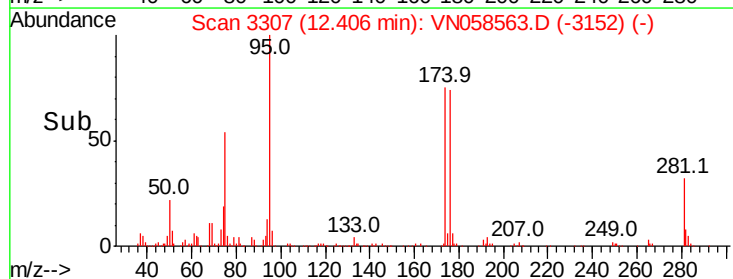
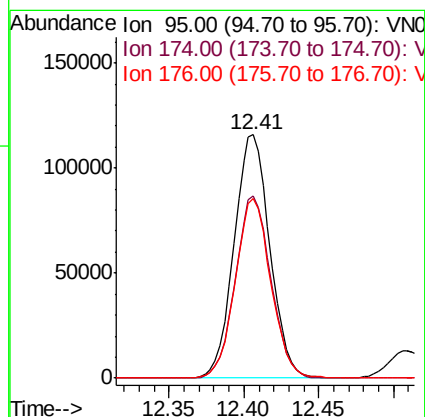
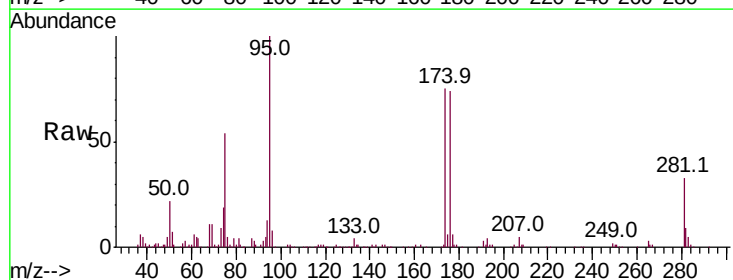
Instrument :
MSVOA_N
ClientSampleId :

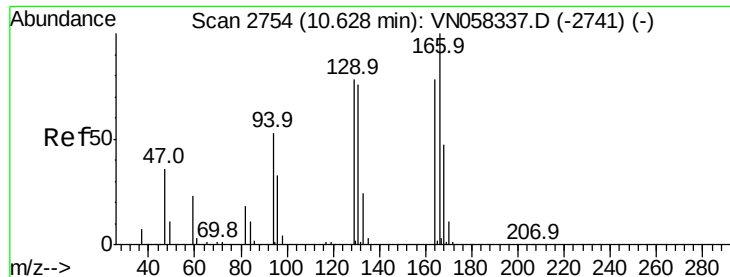
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.7	61.1
57	18.3	14.7	22.1



#60
4-Bromofluorobenzene
Concen: 29.386 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	59.0	88.6
176	73.5	58.2	87.2





#61

Tetrachloroethene

Concen: 21.589 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 85548

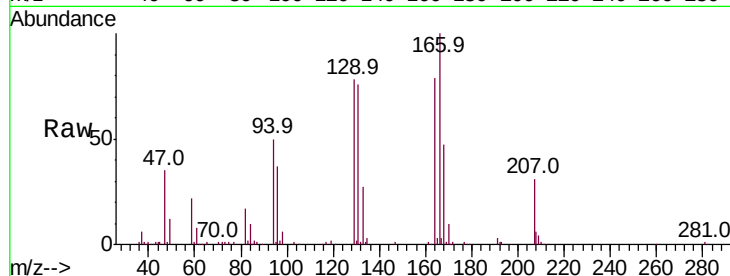
Ion Ratio Lower Upper

164 100

166 126.5 102.6 154.0

129 98.8 79.8 119.6

131 95.7 78.1 117.1

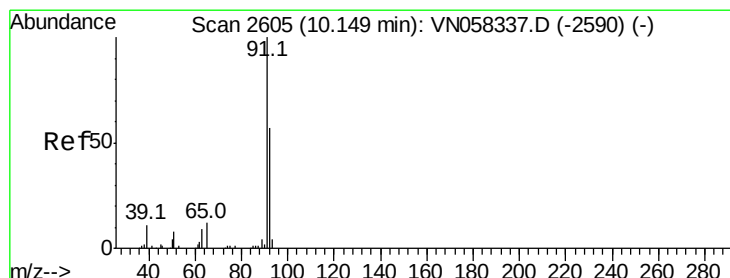
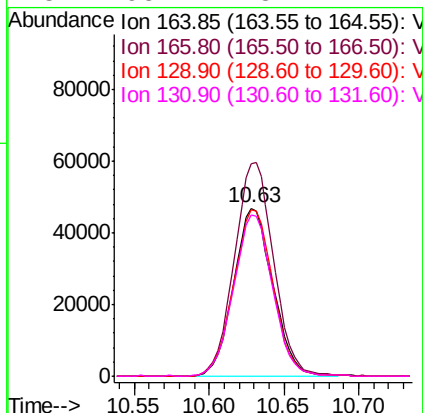
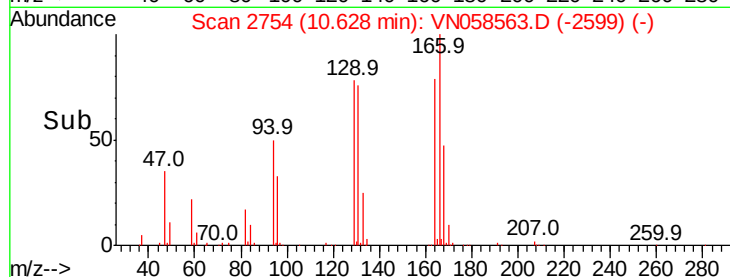


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.324 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058563.D

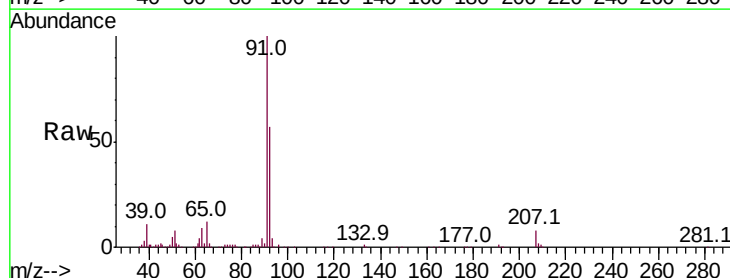
Acq: 7 Oct 2019 13:40

Tgt Ion: 91 Resp: 421005

Ion Ratio Lower Upper

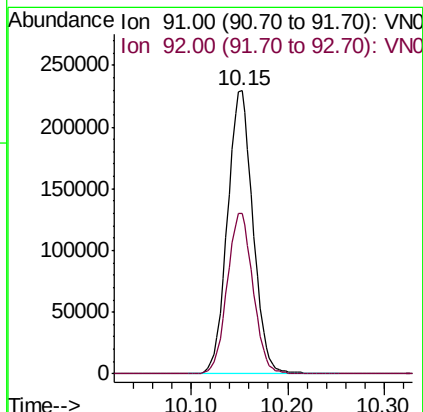
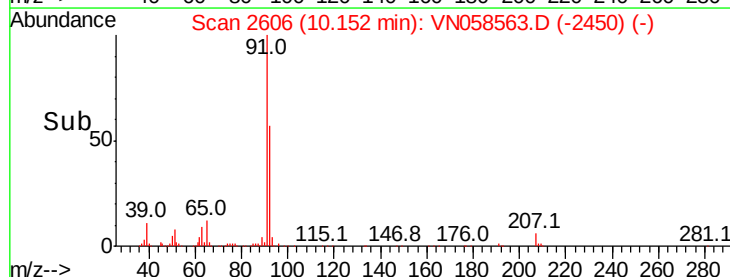
91 100

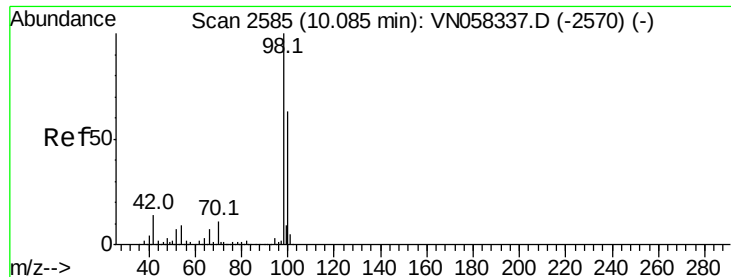
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.451 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

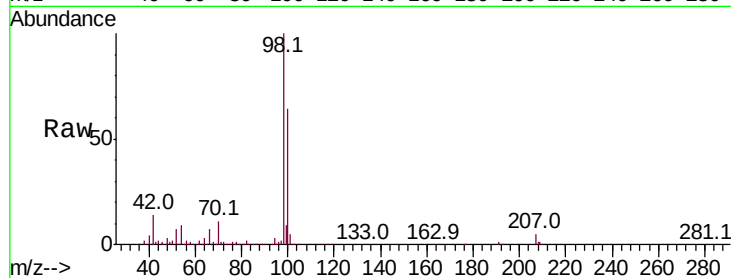
ClientSampleId :

Tot Ion: 98 Resp: 531604

Ion Ratio Lower Upper

98 100

100 64.3 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

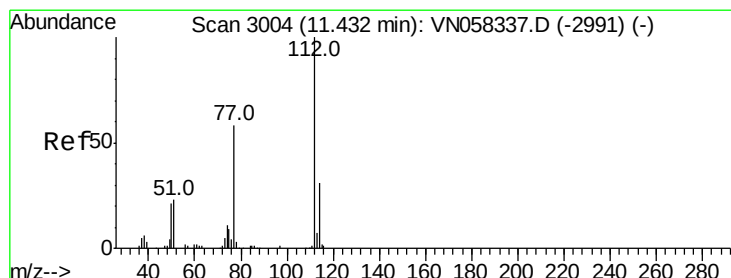
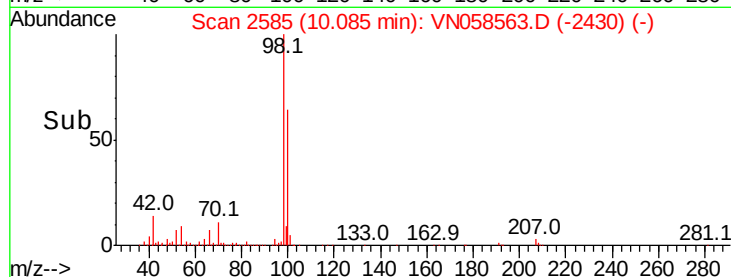
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.069 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058563.D

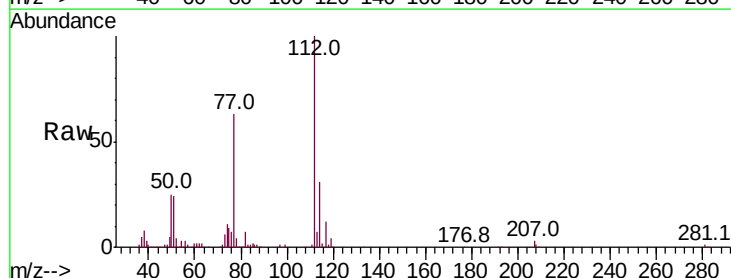
Acq: 7 Oct 2019 13:40

Tgt Ion: 112 Resp: 255471

Ion Ratio Lower Upper

112 100

114 31.2 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

11.44

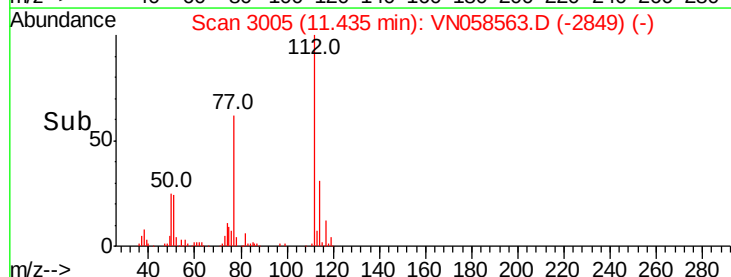
150000

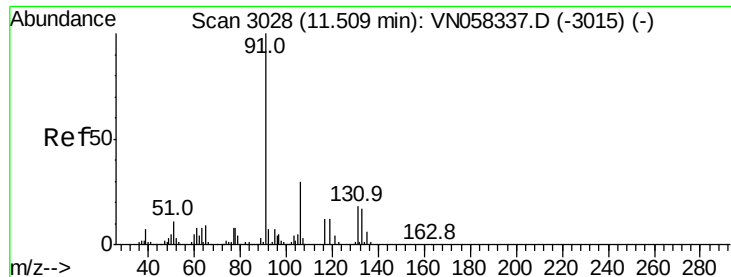
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.002 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

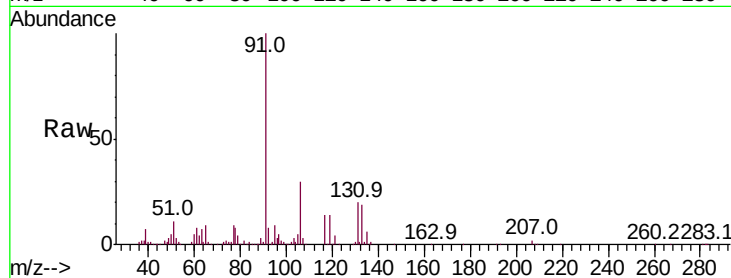
Tot Ion:131 Resp: 93719

Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.8

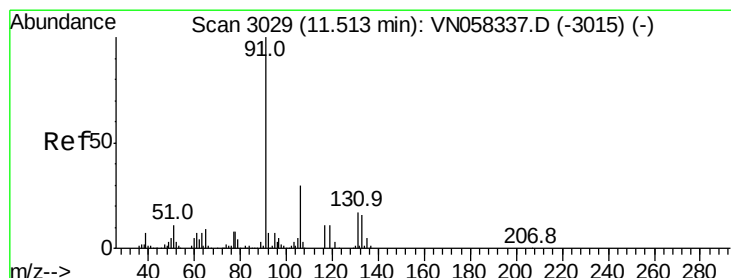
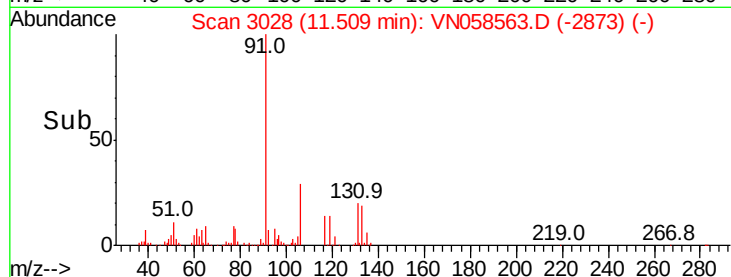
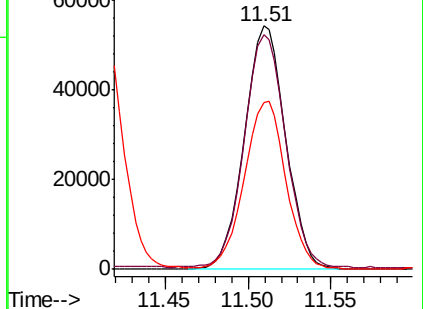
119 69.3 0.0 134.2



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: 20.822 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058563.D

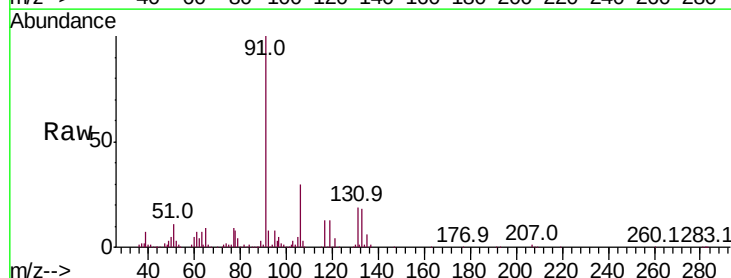
Acq: 7 Oct 2019 13:40

Tgt Ion: 91 Resp: 470323

Ion Ratio Lower Upper

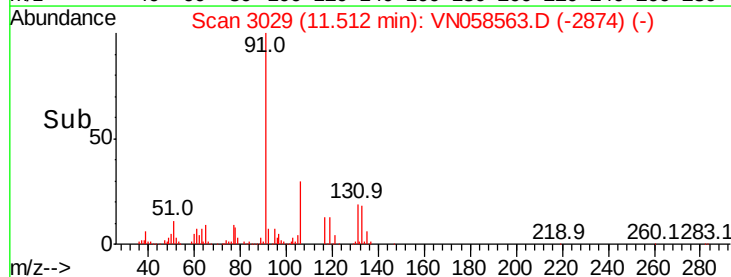
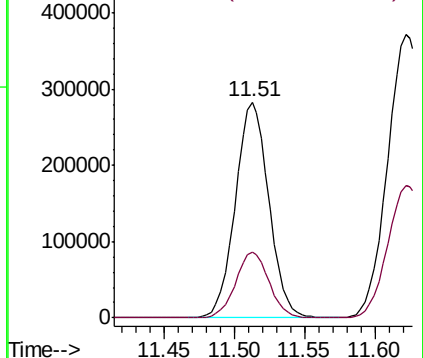
91 100

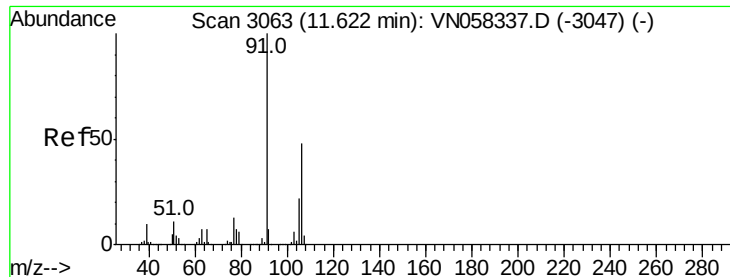
106 30.3 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.425 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

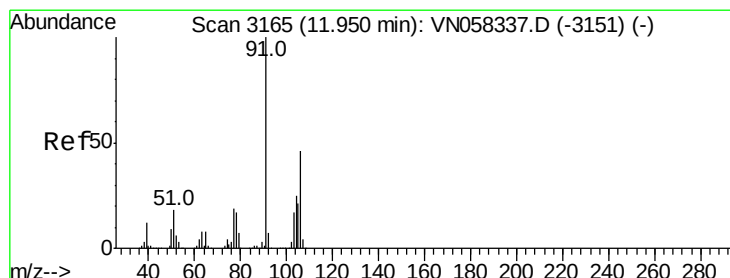
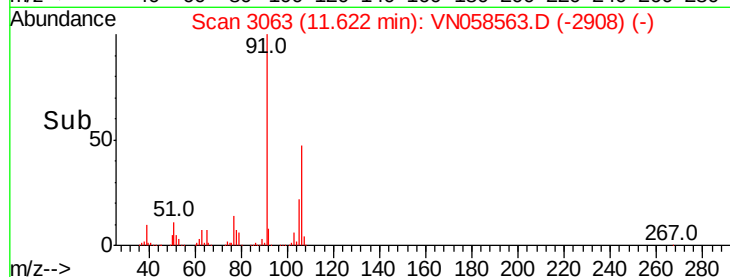
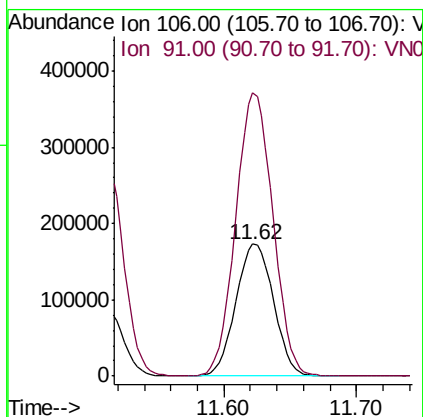
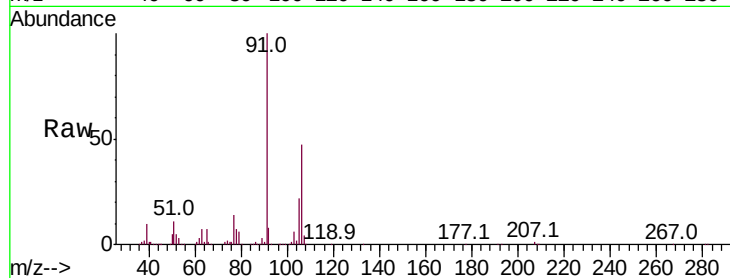
Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 341888

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.8	251.6



#68

o-Xylene

Concen: 19.868 ug/l

RT: 11.95 min Scan# 3165

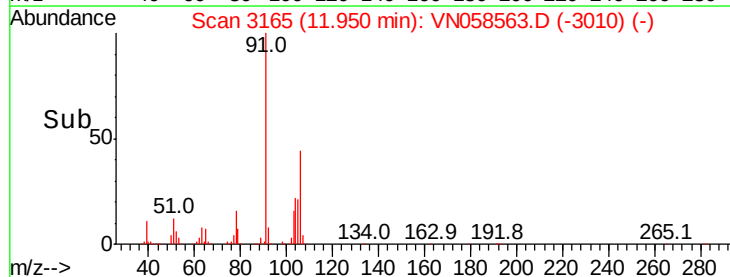
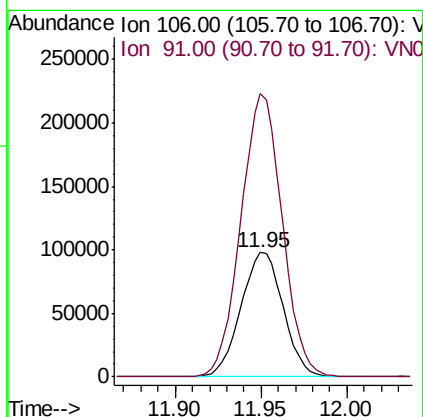
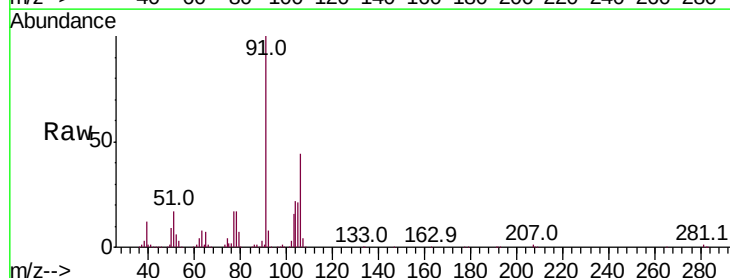
Delta R.T. -0.00 min

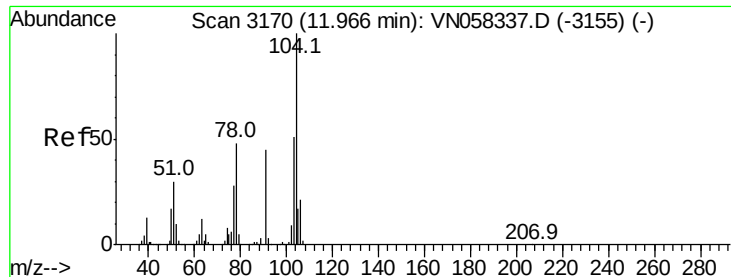
Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:106 Resp: 167531

Ion	Ratio	Lower	Upper
106	100		
91	222.8	108.7	325.9

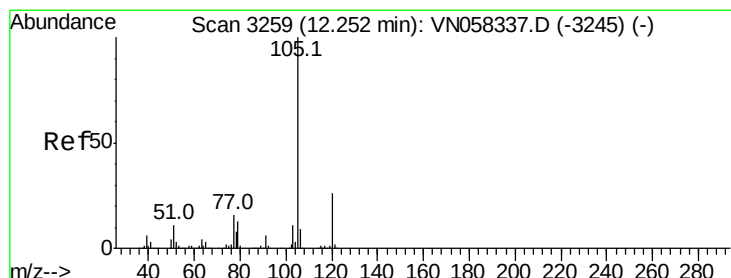
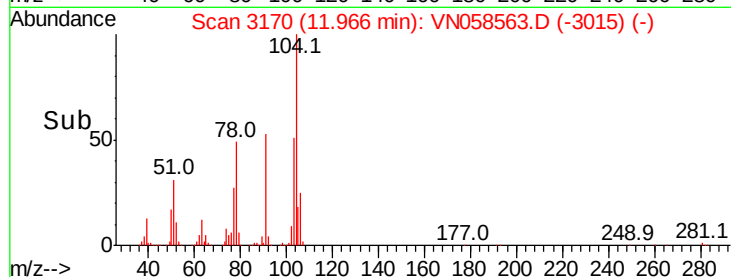
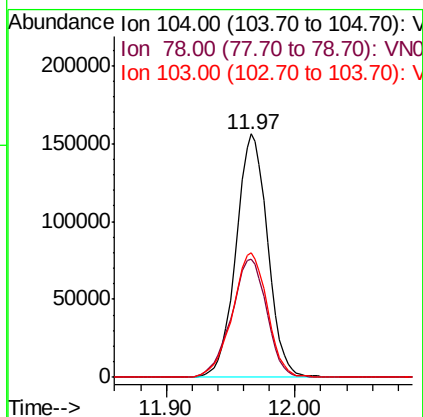
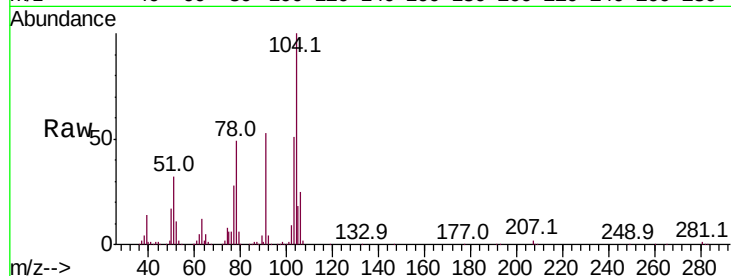




#69
Stvrene
Concen: 18.875 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

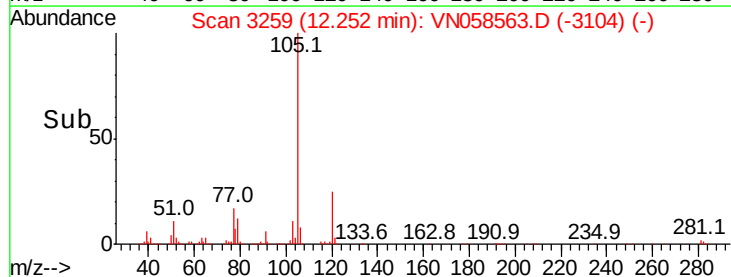
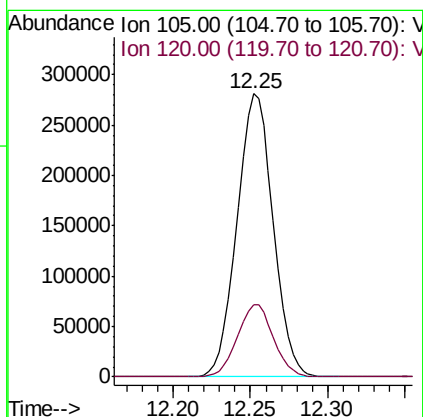
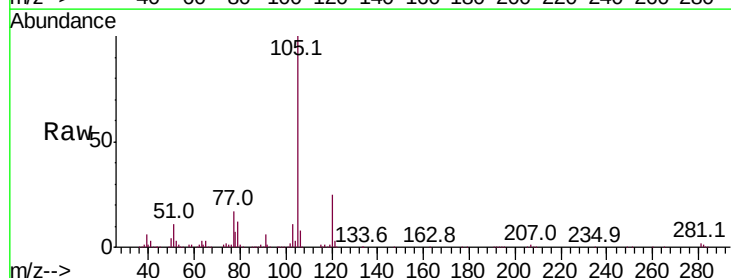
Instrument :
MSVOA_N
ClientSampled :

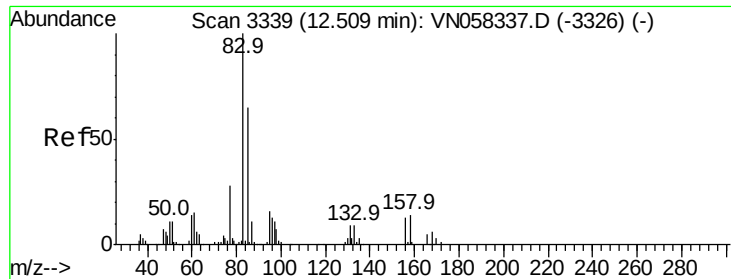
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.3	63.5
103	56.3	44.1	66.1



#70
Isopropylbenzene
Concen: 20.862 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058563.D
Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.2	33.8

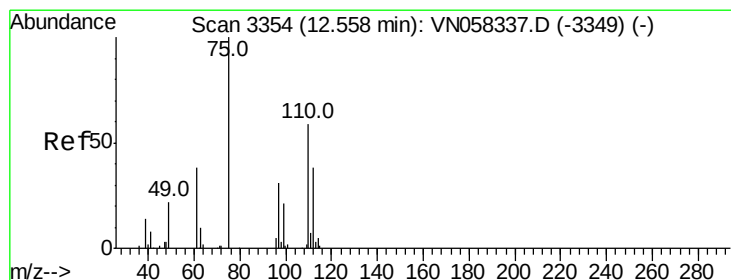
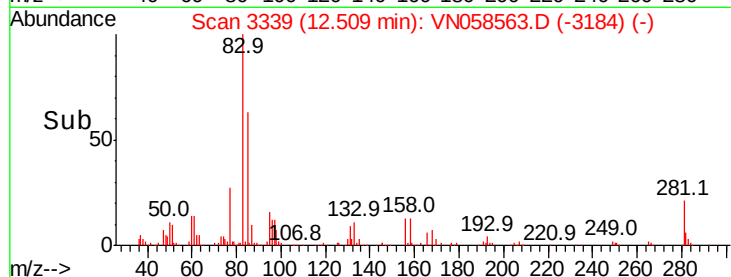
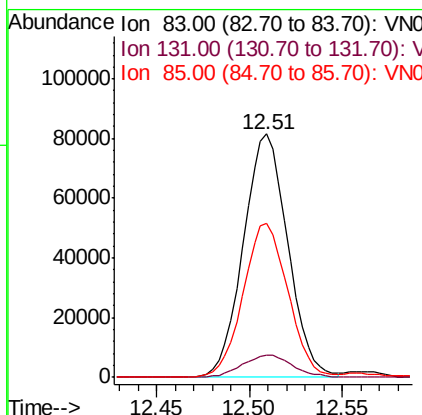
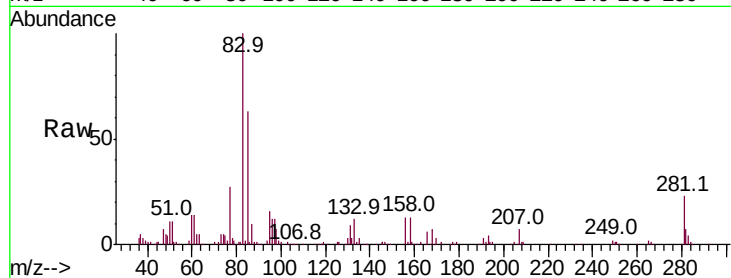




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.552 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

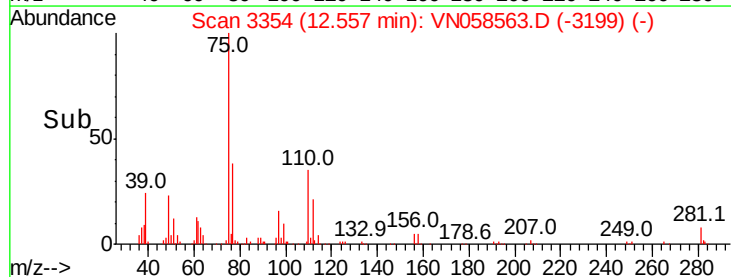
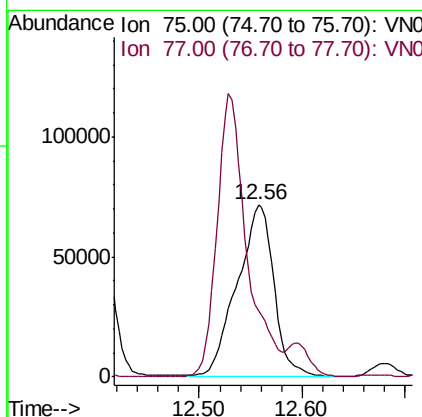
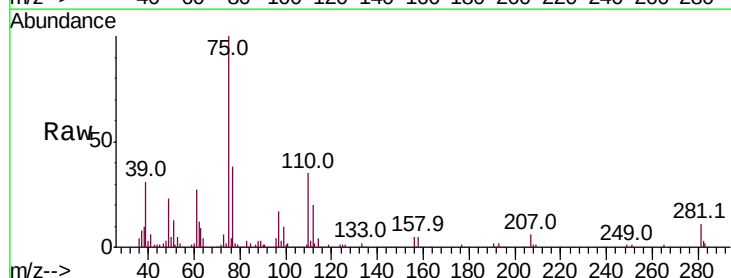
Instrument :
 MSVOA_N
 ClientSampleId :

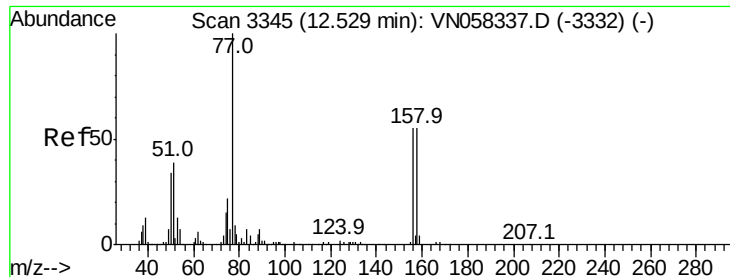
Tot Ion	83	Resp	135787
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.8	14.3
85	63.5	32.6	97.7



#72
 1,2,3-Trichloropropane
 Concen: 29.486 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	75	Resp	176113
Ion	Ratio	Lower	Upper
75	100		
77	134.1	0.0	382.4





#73

Bromobenzene

Concen: 19.873 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

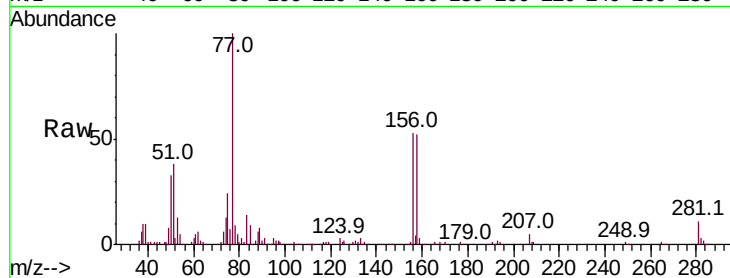
Tot Ion:156 Resp: 105185

Ion Ratio Lower Upper

156 100

77 224.5 0.0 438.8

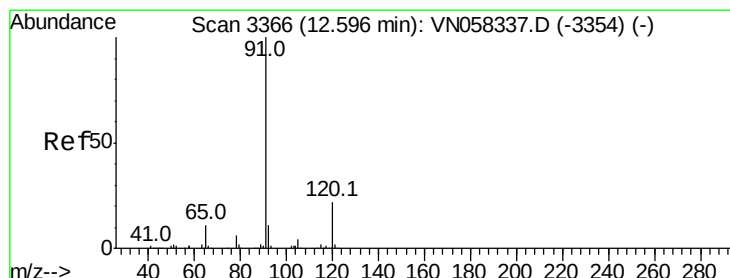
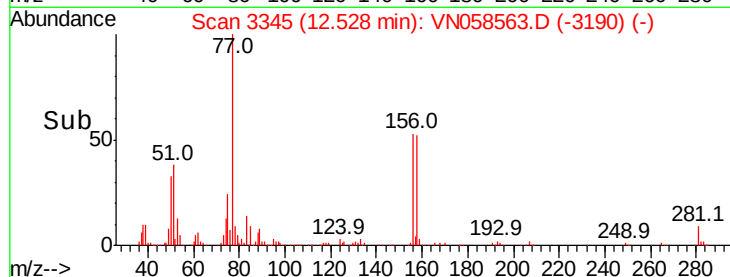
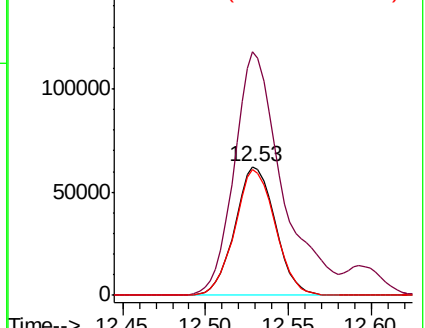
158 98.0 0.0 195.6



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: 20.934 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058563.D

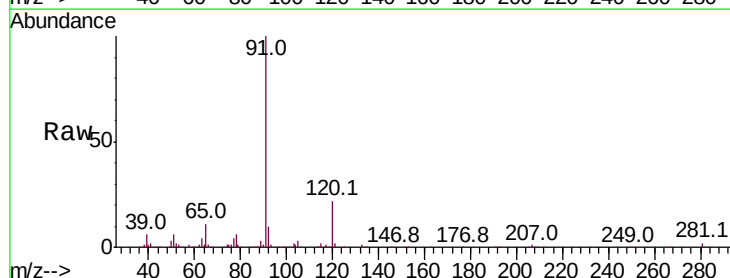
Acq: 7 Oct 2019 13:40

Tgt Ion: 91 Resp: 527357

Ion Ratio Lower Upper

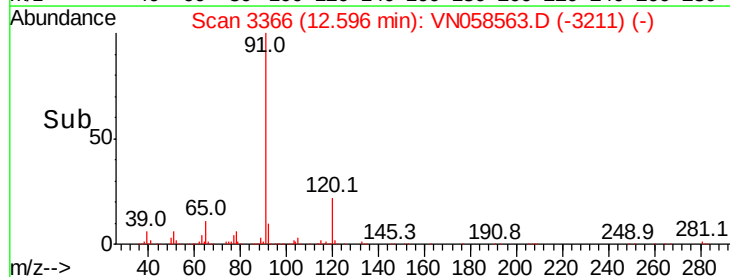
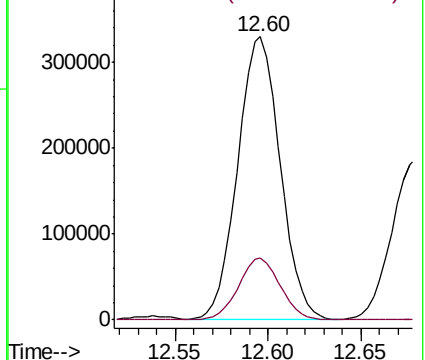
91 100

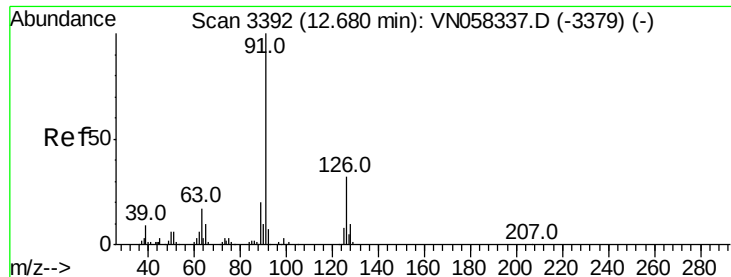
120 21.6 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.813 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

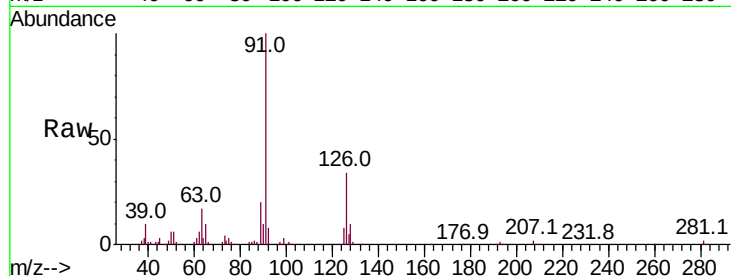
ClientSampleId :

Tot Ion: 91 Resp: 312216

Ion Ratio Lower Upper

91 100

126 33.1 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

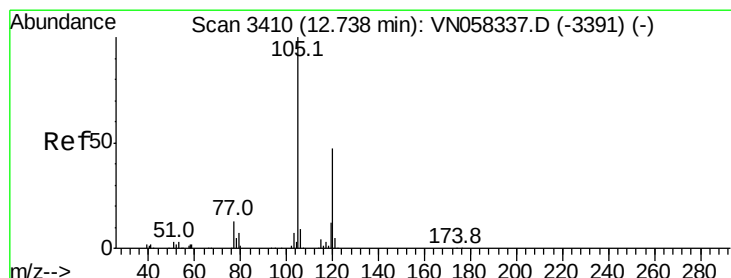
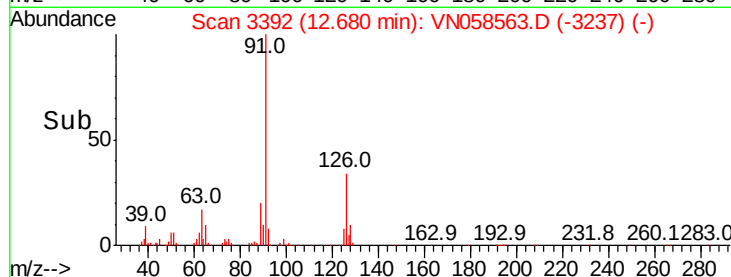
200000

100000

0

12.68

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 20.262 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058563.D

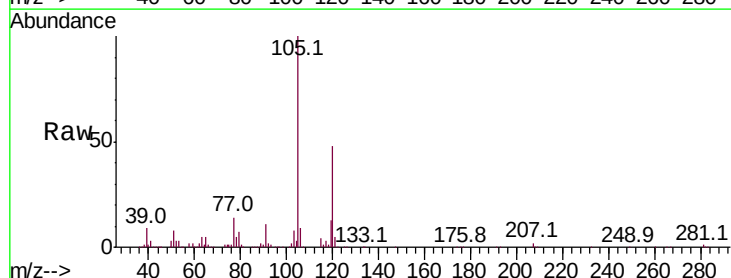
Acq: 7 Oct 2019 13:40

Tgt Ion: 105 Resp: 381246

Ion Ratio Lower Upper

105 100

120 46.9 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

250000

200000

150000

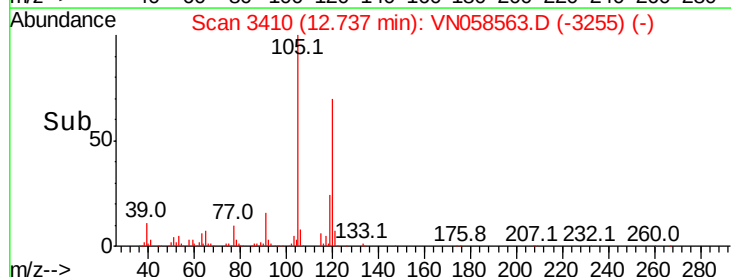
100000

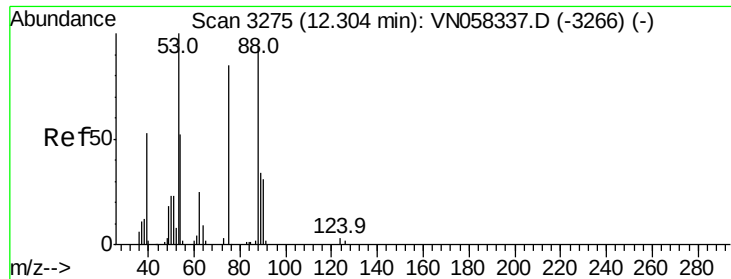
50000

0

12.74

Time--> 12.70 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 18.580 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

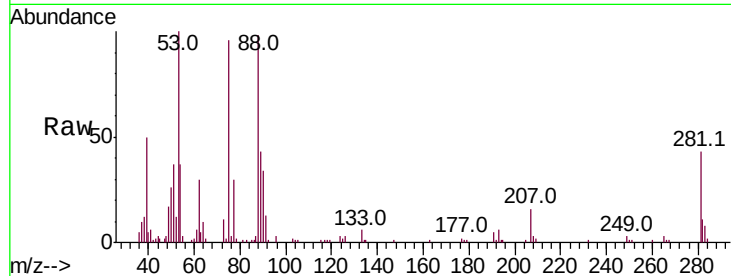
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 36199

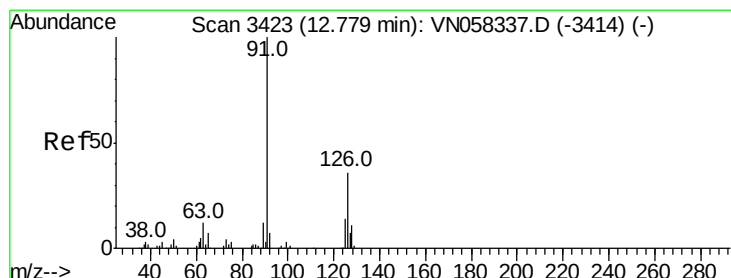
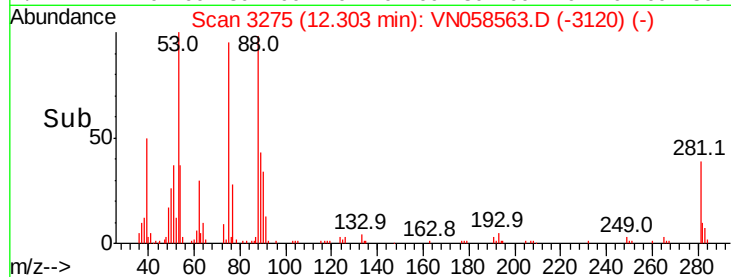
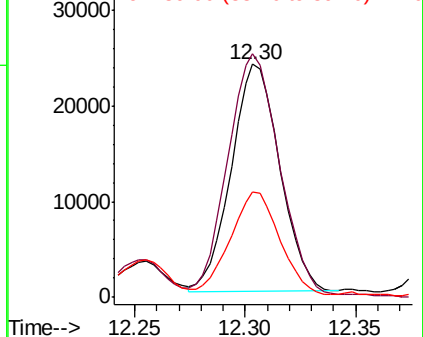
Ion	Ratio	Lower	Upper
75	100		
53	106.3	59.0	176.8
89	45.3	21.6	65.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.708 ug/l

RT: 12.78 min Scan# 3423

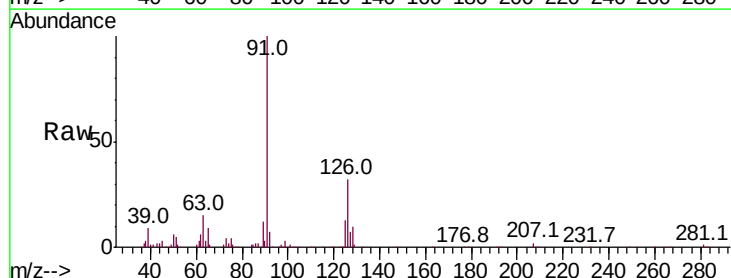
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

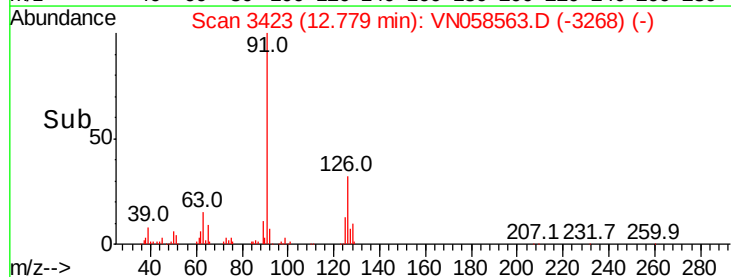
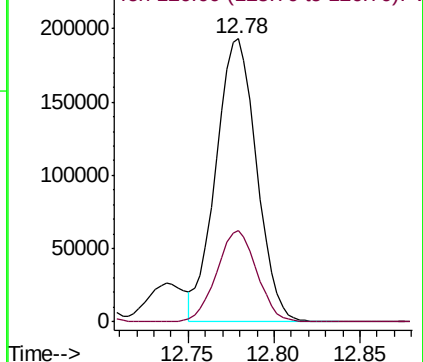
Tgt Ion: 91 Resp: 318299

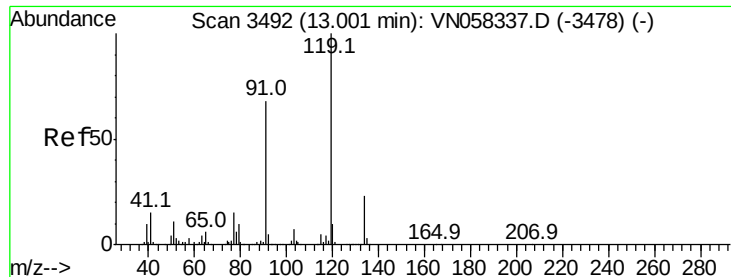
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.797 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

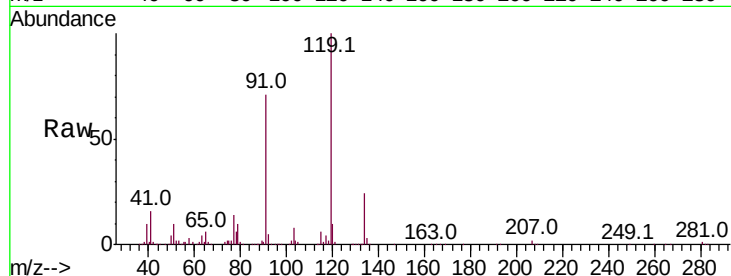
Tot Ion:119 Resp: 322510

Ion Ratio Lower Upper

119 100

91 68.8 0.0 138.2

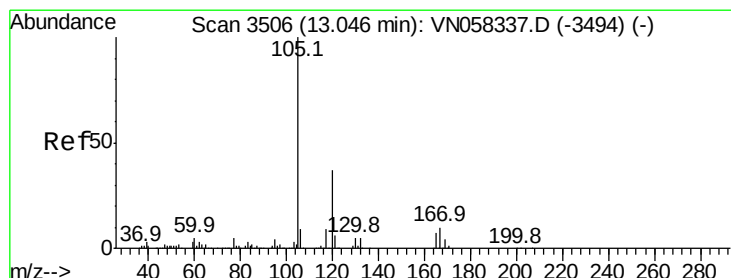
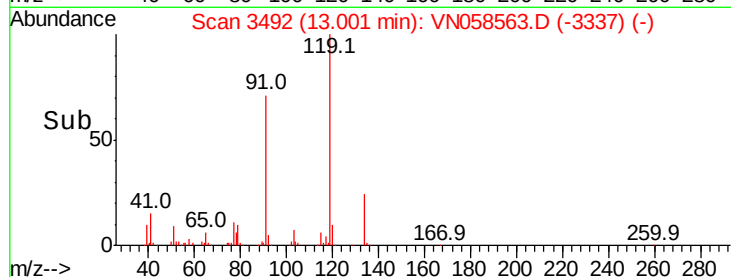
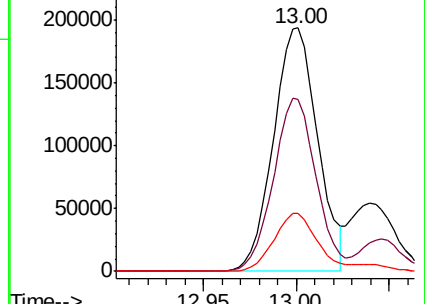
134 23.3 0.0 46.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.228 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058563.D

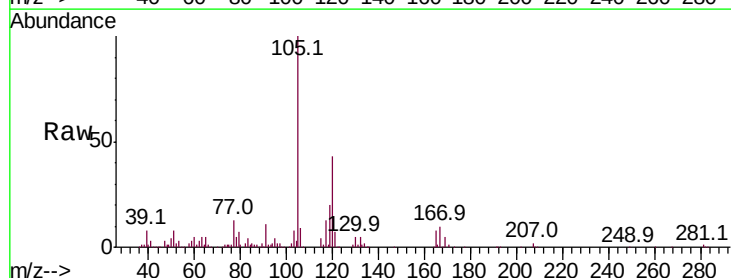
Acq: 7 Oct 2019 13:40

Tgt Ion:105 Resp: 379899

Ion Ratio Lower Upper

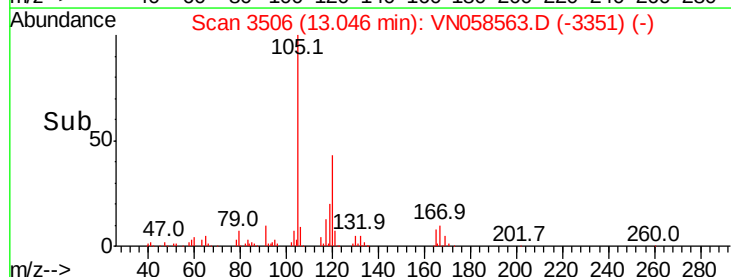
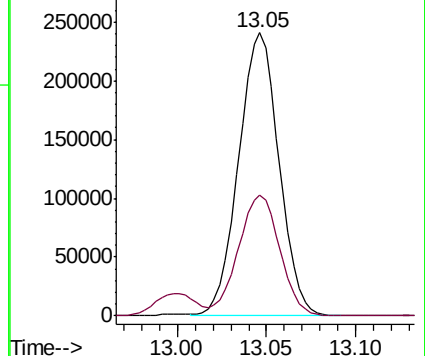
105 100

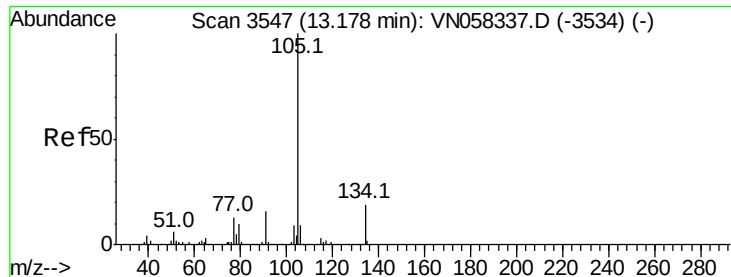
120 44.0 0.0 86.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

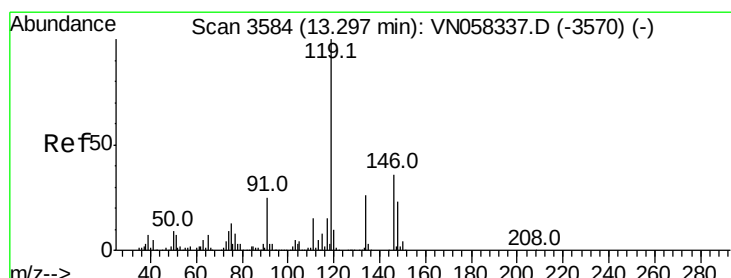
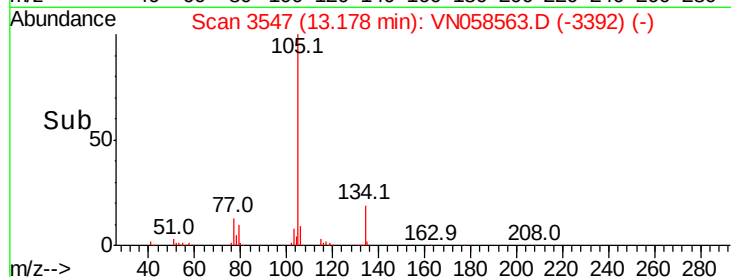
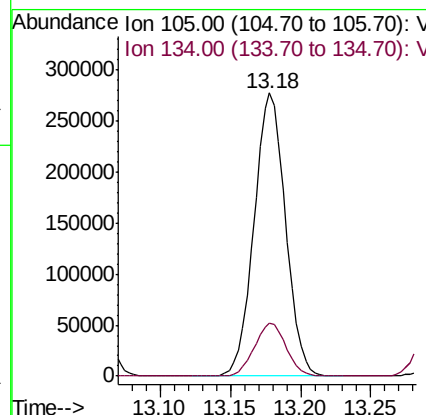
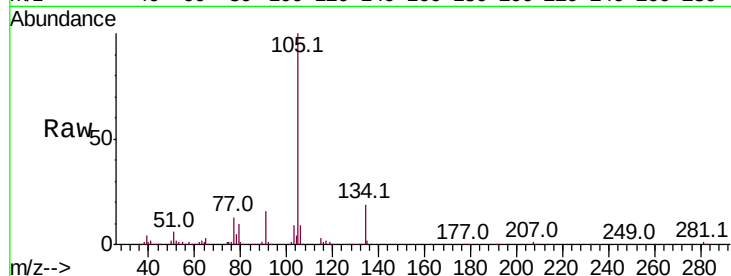




#81
 sec-Butylbenzene
 Concen: 20.231 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

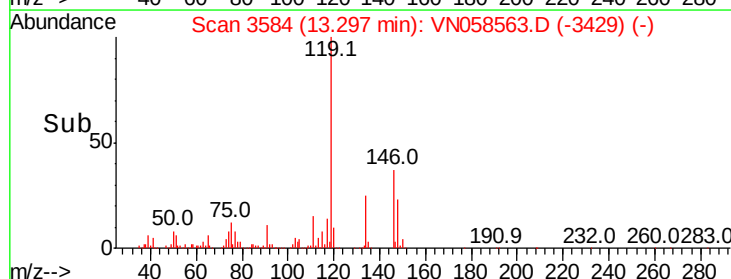
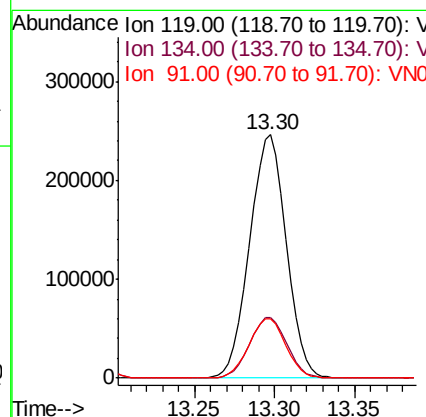
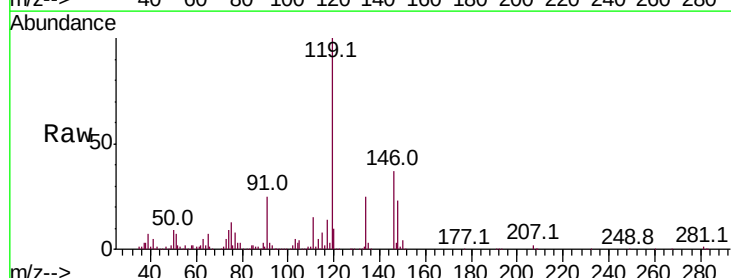
Instrument :
 MSVOA_N
 ClientSampled :

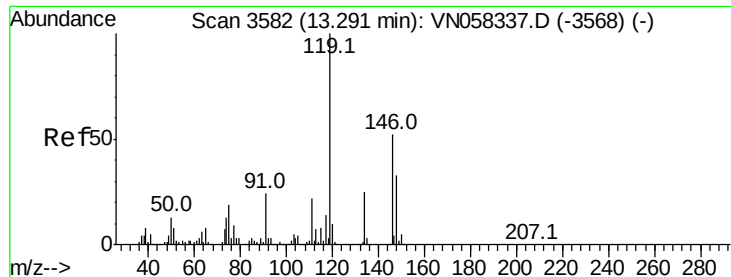
Tot Ion:105 Resp: 432275
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 38.2



#82
 p-Isopropyltoluene
 Concen: 20.005 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion:119 Resp: 384932
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 51.6
 91 24.7 0.0 49.6

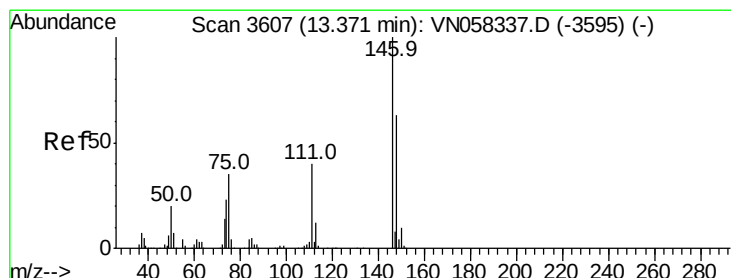
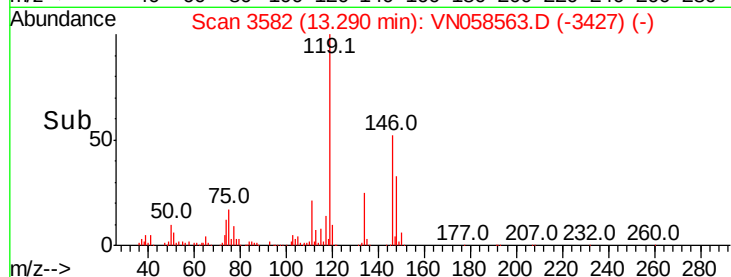
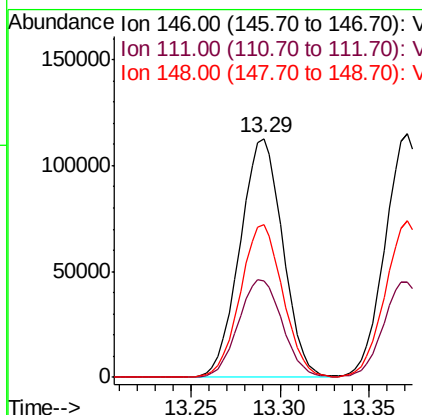
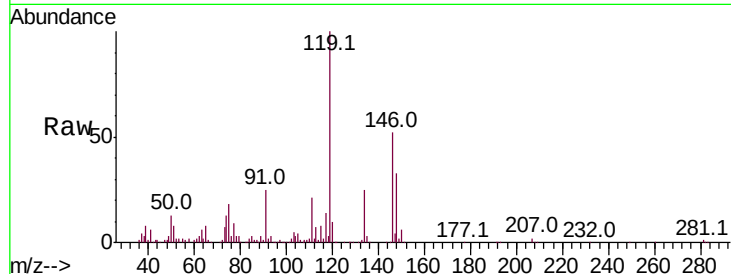




#83
 1,3-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

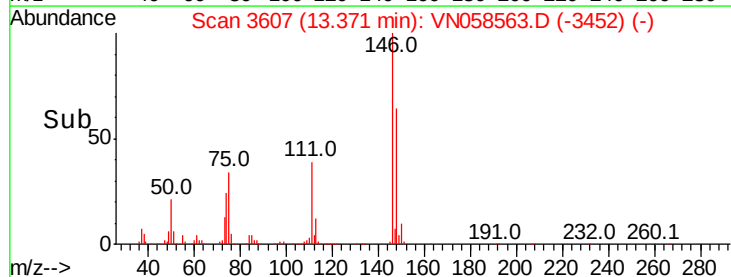
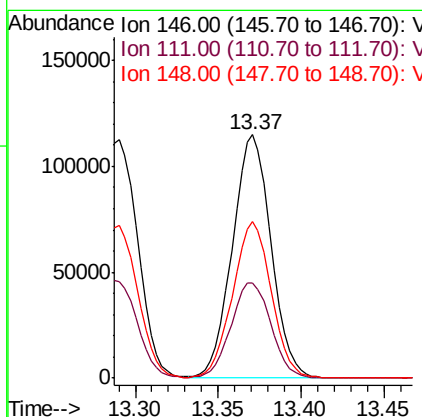
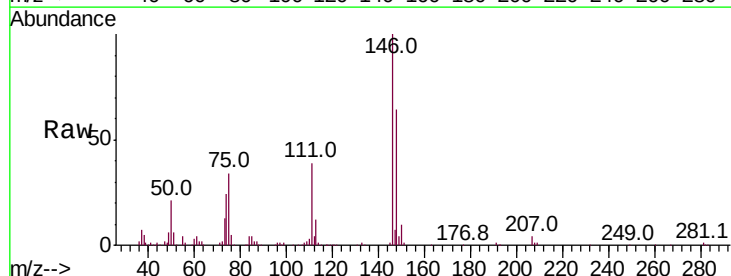
Instrument :
 MSVOA_N
 ClientSampleId :

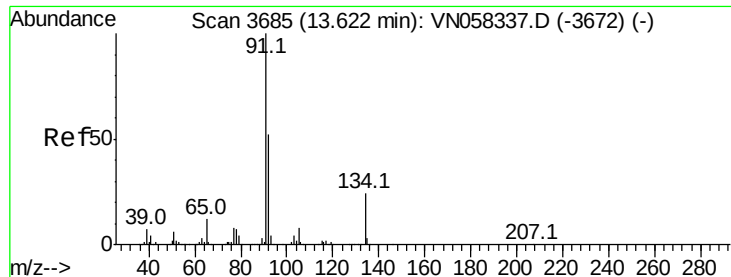
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.8
148	63.6	32.0	96.2



#84
 1,4-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	64.9	31.9	95.7





#85

n-Butylbenzene

Concen: 19.125 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

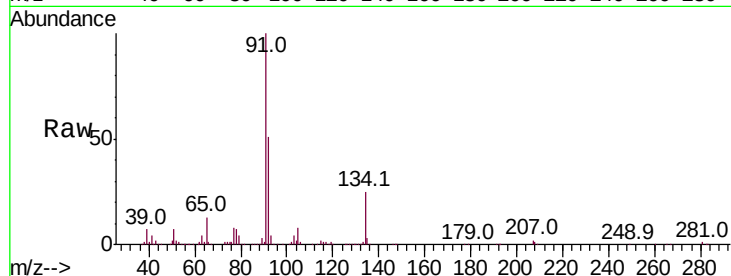
Tot Ion: 91 Resp: 341890

Ion	Ratio	Lower	Upper
91	100		
92	50.9	0.0	102.6
134	24.4	0.0	47.8

91 100

92 50.9 0.0 102.6

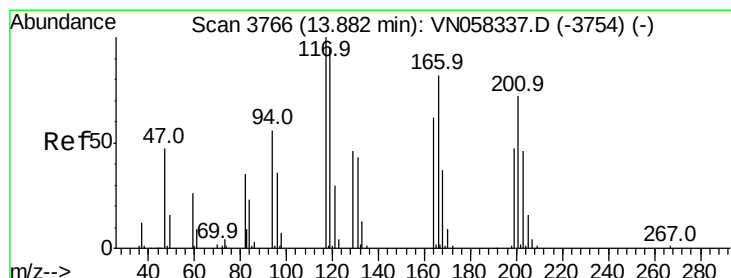
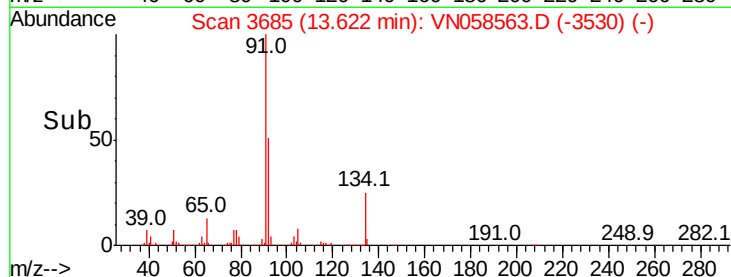
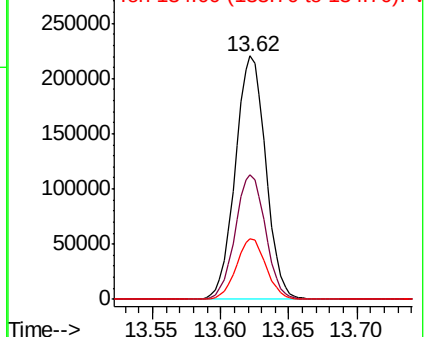
134 24.4 0.0 47.8



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058337.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058337.D (-3672) (-)



#86

Hexachloroethane

Concen: 20.036 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058563.D

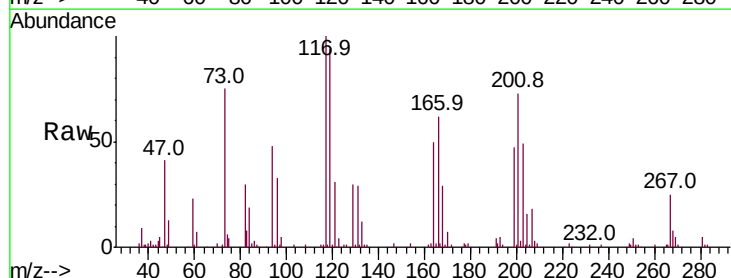
Acq: 7 Oct 2019 13:40

Tgt Ion: 117 Resp: 62270

Ion	Ratio	Lower	Upper
117	100		
201	73.5	37.2	111.6

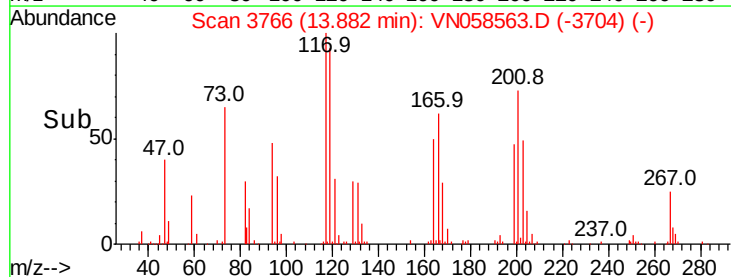
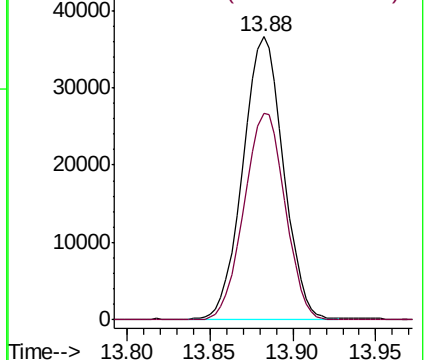
117 100

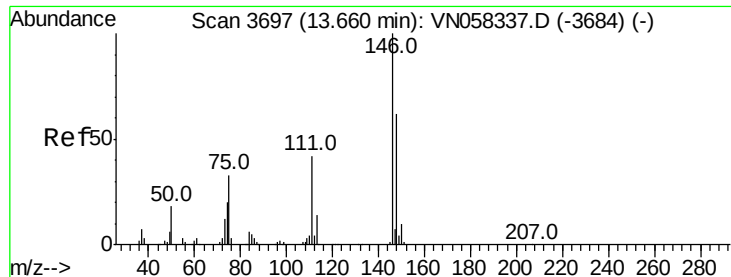
201 73.5 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): VN058337.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN058337.D (-3754) (-)





#87

1,2-Dichlorobenzene

Concen: 19.591 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

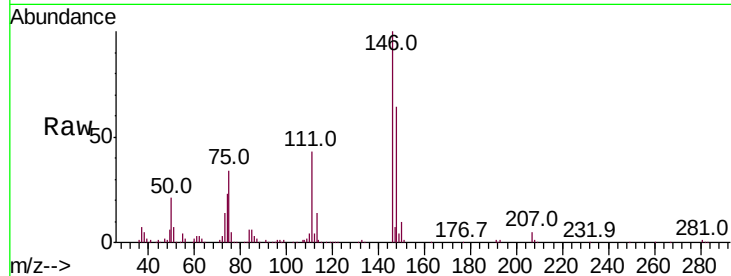
Tot Ion:146 Resp: 186808

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.3

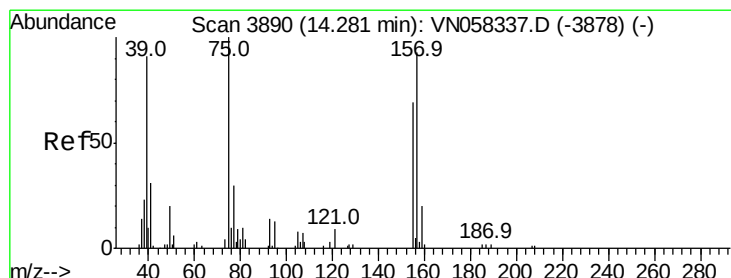
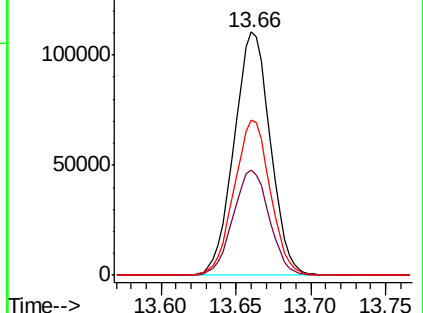
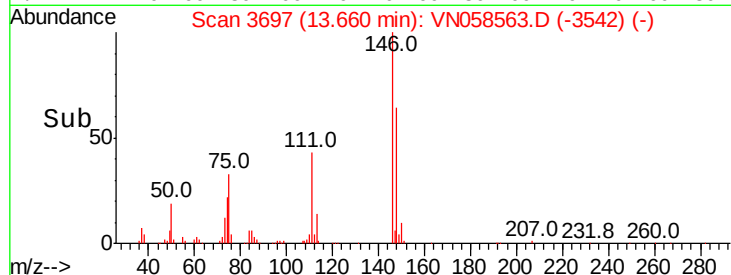
148 63.5 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.546 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

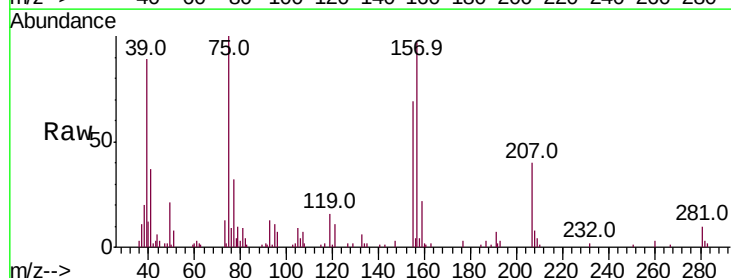
Tgt Ion: 75 Resp: 26494

Ion Ratio Lower Upper

75 100

155 72.1 58.5 87.7

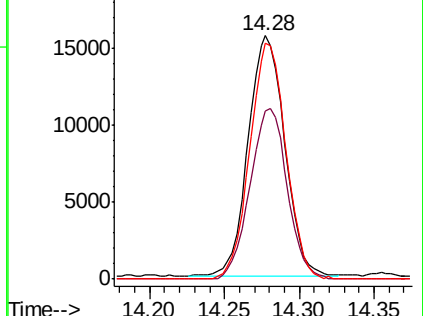
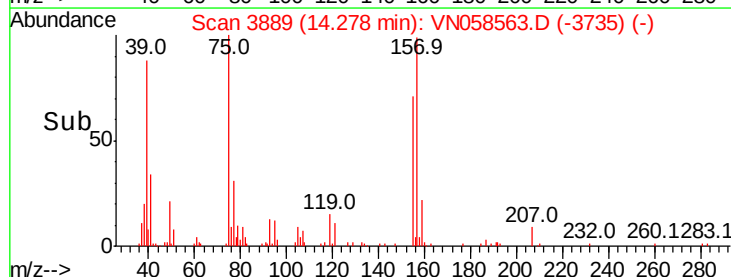
157 96.9 75.4 113.2

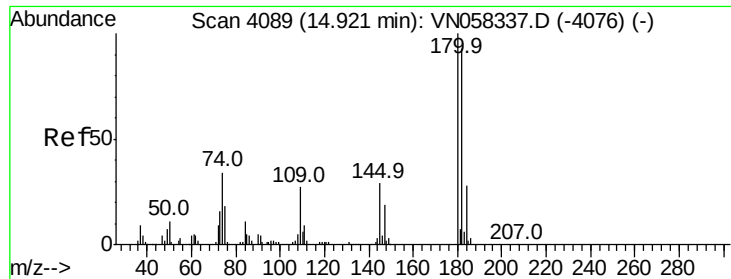


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

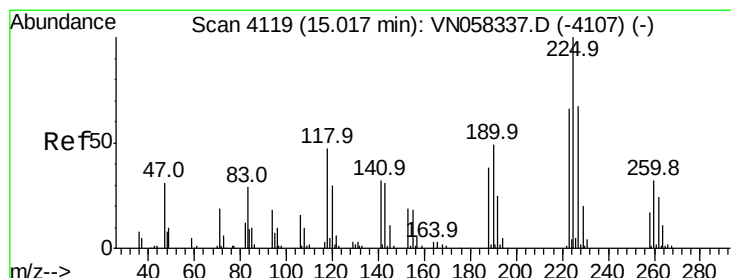
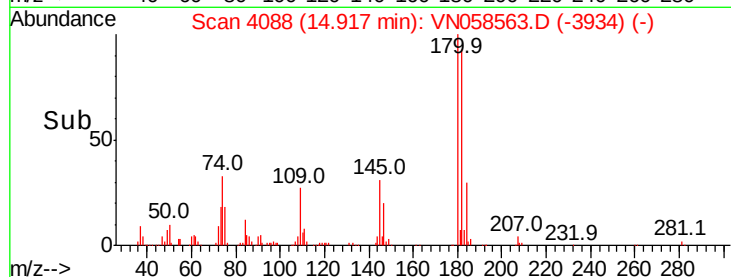
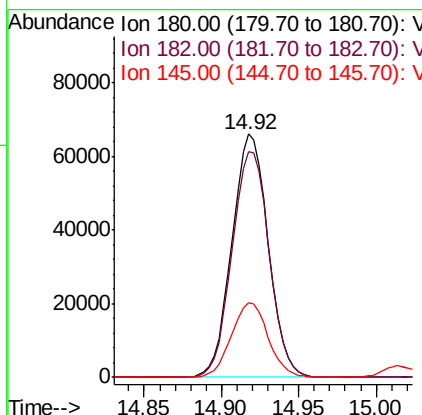
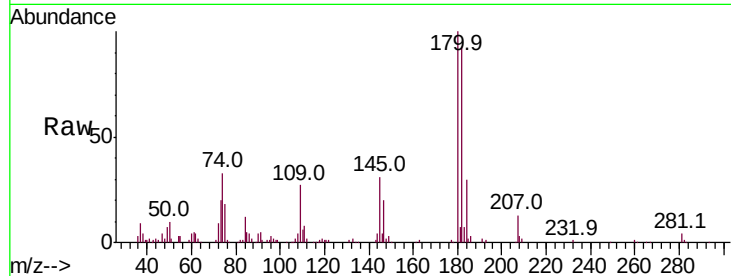




#89
 1,2,4-Trichlorobenzene
 Concen: 17.286 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

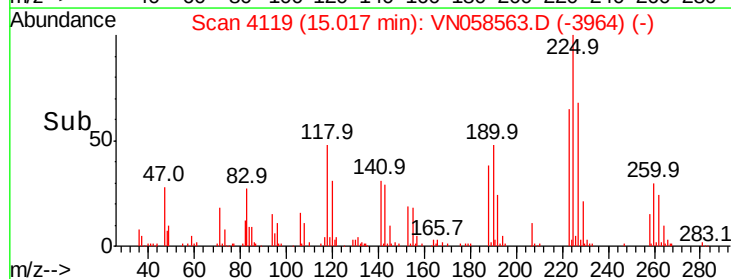
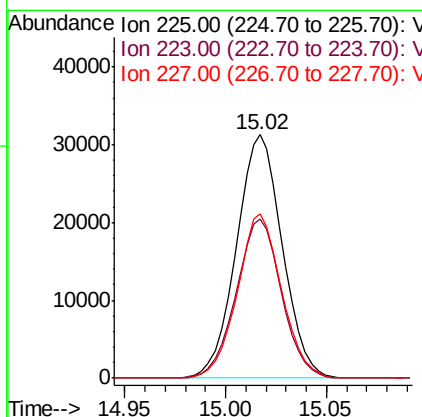
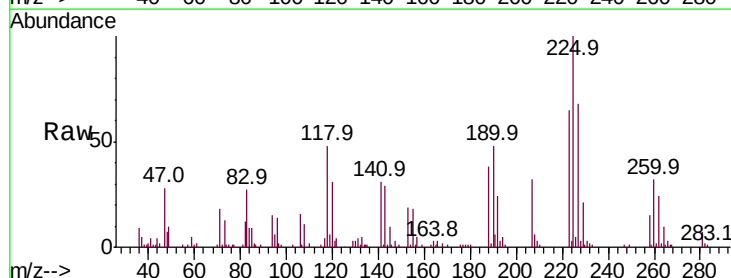
Instrument :
 MSVOA_N
 ClientSampleId :

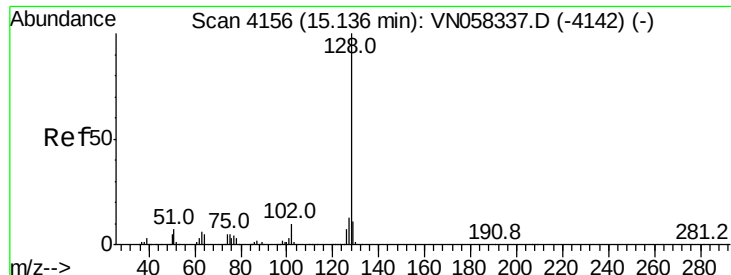
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.2	112.8
145	31.0	25.1	37.7



#90
 Hexachlorobutadiene
 Concen: 16.492 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058563.D
 Acq: 7 Oct 2019 13:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	0.0	132.6
227	65.0	0.0	129.2





#91

Naphthalene

Concen: 17.670 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

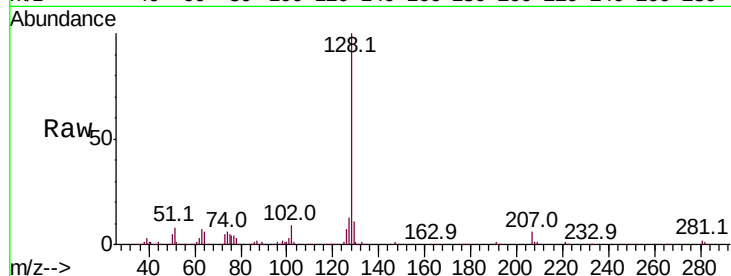
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 302281

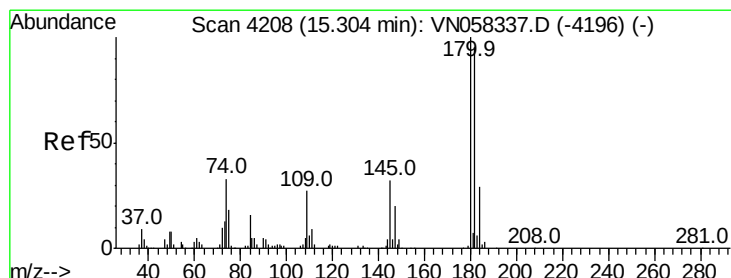
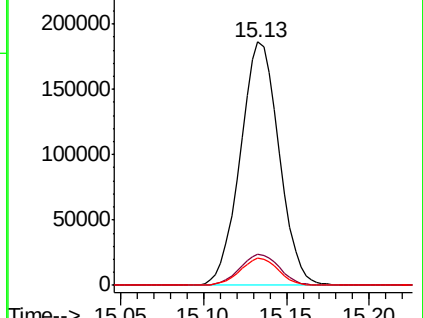
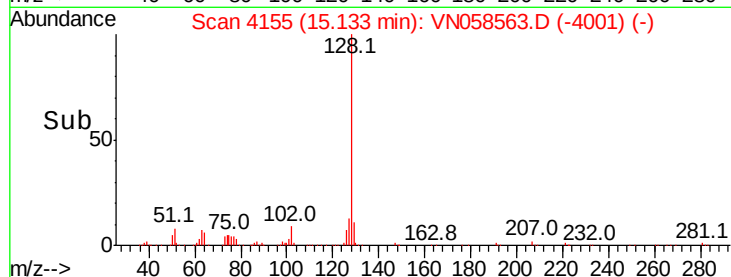
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.779 ug/l

RT: 15.30 min Scan# 4207

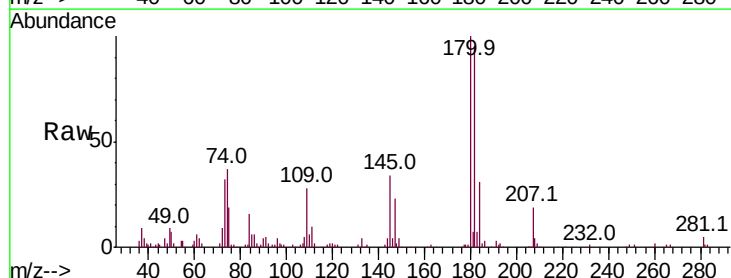
Delta R.T. -0.00 min

Lab File: VN058563.D

Acq: 7 Oct 2019 13:40

Tgt Ion:180 Resp: 100389

Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	189.4
145	33.5	0.0	64.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

