

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057466.D
 Acq On : 23 Aug 2019 10:54
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 23 22:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 22:53:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	75304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	437252	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	394617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213208	39.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.70%
60) 4-Bromofluorobenzene	12.40	95	205129	34.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	115.73%
63) Toluene-d8	10.08	98	576842	31.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	623036	161.320 ug/l	99
3) Chloromethane	2.04	50	861188	180.018 ug/l	99
4) Vinyl Chloride	2.17	62	1102946	220.500 ug/l	99
5) Bromomethane	2.53	94	683351	186.595 ug/l	100
6) Chloroethane	2.68	64	716504	211.970 ug/l	97
7) Trichlorofluoromethane	3.00	101	1695428	213.495 ug/l	95
8) Diethyl Ether	3.39	74	626244	210.850 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	934135	200.722 ug/l	98
10) 1,1-Dichloroethene	3.71	96	906941	199.087 ug/l	99
11) Methyl Iodide	3.92	142	768663	118.383 ug/l	100
12) Methyl Acetate	4.30	43	885530	176.753 ug/l	97
13) Acrolein	3.58	56	559673	1063.302 ug/l	98
14) Acrylonitrile	4.96	53	1704438	877.693 ug/l	99
15) Acetone	3.80	58	693680	1029.212 ug/l	93
16) Carbon Disulfide	4.02	76	1716688	153.247 ug/l	99
17) Allyl chloride	4.29	41	1327020	202.699 ug/l	98
18) Methylene Chloride	4.52	84	708426	151.843 ug/l	98
19) trans-1,2-Dichloroethene	5.00	96	653606	148.639 ug/l	99
20) Diisopropyl ether	5.93	45	2790915	203.730 ug/l	96
21) 1,1-Dichloroethane	5.82	63	1443598	178.637 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	817212	157.947 ug/l	99
23) tert-Butyl Alcohol	4.79	59	601458	863.767 ug/l	100
24) Methyl tert-Butyl Ether	5.02	73	2180585	167.722 ug/l	99
25) Chloroform	7.36	83	1443263	173.608 ug/l	100
26) Cyclohexane	7.63	56	1274559	187.309 ug/l	# 98
29) 1,1-Dichloropropene	7.77	75	1090587	167.652 ug/l	99
30) 2-Butanone	6.82	43	2575485	948.394 ug/l	99
31) 2,2-Dichloropropane	6.80	77	1230269	170.819 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1263467	165.876 ug/l	98
33) Carbon Tetrachloride	7.75	117	1056600	157.762 ug/l	98
34) Benzene	8.03	78	3169102	161.358 ug/l	# 89
35) Methacrylonitrile	7.16	41	559625	158.227 ug/l	94
36) 1,2-Dichloroethane	8.11	62	1231157	184.683 ug/l	# 88
37) Trichloroethene	8.82	130	725579	132.924 ug/l	95
38) Methylcyclohexane	9.07	83	1212299	159.743 ug/l	98
39) 1,2-Dichloropropane	9.11	63	897303	174.590 ug/l	95
40) Dibromomethane	9.20	93	552875	165.164 ug/l	99

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 VSTDICC150

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	1190676	174.528	ug/l #	97
42) Vinyl Acetate	5.87	43	11844523	1029.641	ug/l	99
43) Ethyl Acetate	6.91	43	1063364	194.417	ug/l	99
44) Isopropyl Acetate	8.16	43	1948078	198.896	ug/l #	92
45) 1,4-Dioxane	9.20	88	227979	2720.637	ug/l	95
46) Methyl methacrylate	9.19	41	920721	206.775	ug/l	99
47) n-amyl Acetate	12.07	43	1710138	231.956	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1306871	178.401	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	1395978	171.195	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	738352	154.352	ug/l	99
51) Ethyl methacrylate	10.43	69	1267175	178.096	ug/l	98
52) 1,3-Dichloropropane	10.70	76	1326944	165.950	ug/l	98
53) Dibromochloromethane	10.90	129	824069	152.448	ug/l	98
54) 1,2-Dibromoethane	11.00	107	768344	154.571	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	1790283	1076.852	ug/l	99
56) Bromoform	12.13	173	521213	132.494	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	5549934	977.757	ug/l	99
59) 2-Hexanone	10.75	43	3898385	965.109	ug/l	99
61) Tetrachloroethene	10.63	164	617817	112.997	ug/l	95
62) Toluene	10.15	91	3397481	153.713	ug/l	99
64) Chlorobenzene	11.43	112	1942202	143.985	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	709414	136.532	ug/l	98
66) Ethyl Benzene	11.51	91	3754601	156.260	ug/l	100
67) m/p-Xylenes	11.62	106	2697148	305.213	ug/l	98
68) o-Xylene	11.95	106	1303808	149.980	ug/l	98
69) Styrene	11.96	104	2248802	162.189	ug/l	98
70) Isopropylbenzene	12.25	105	3576924	154.179	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	1019289	158.609	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	1379549	250.421	ug/l	62
73) Bromobenzene	12.53	156	741232	125.995	ug/l	98
74) n-propylbenzene	12.59	91	4247363	172.668	ug/l	100
75) 2-Chlorotoluene	12.67	91	2456854	162.856	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2944579	153.029	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	369649	175.730	ug/l	93
78) 4-Chlorotoluene	12.77	91	2485756	175.644	ug/l	99
79) tert-butylbenzene	12.99	119	2444181	143.648	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	2864016	157.721	ug/l	99
81) sec-Butylbenzene	13.17	105	3432436	160.830	ug/l	100
82) p-Isopropyltoluene	13.29	119	2972196	157.572	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	1299330	149.660	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1289364	157.482	ug/l	99
85) n-Butylbenzene	13.62	91	2738308	193.151	ug/l	98
86) Hexachloroethane	13.88	117	564676	154.039	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	1250603	151.487	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	201898	222.597	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	614860	207.610	ug/l	99
90) Hexachlorobutadiene	15.01	225	330103	94.313	ug/l	98
91) Naphthalene	15.13	128	1918115	272.906	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	613994	213.696	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Aug 23 22:58:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 22:53:43 2019
Response via : Initial Calibration

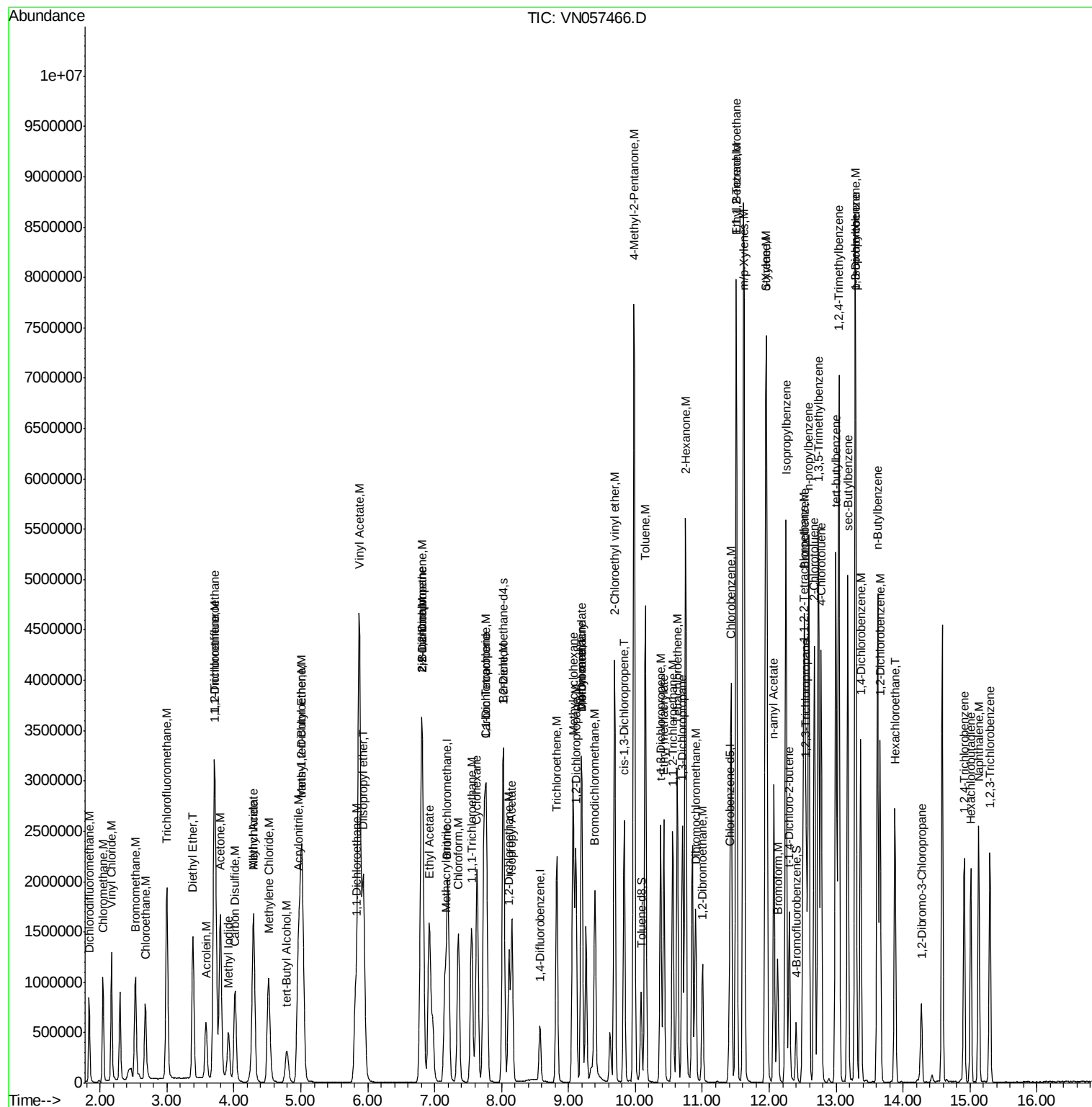
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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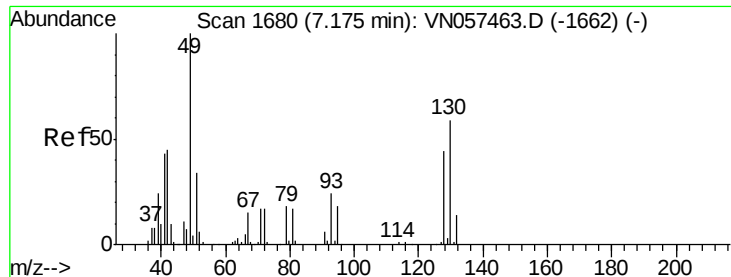
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
Data File : VN057466.D
Acq On : 23 Aug 2019 10:54
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Aug 23 22:58:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

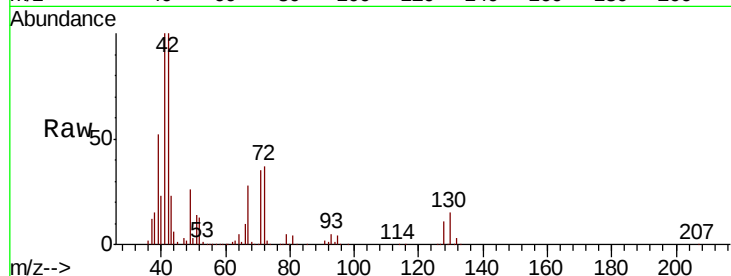
Tgt Ion:128 Resp: 75304

Ion Ratio Lower Upper

128 100

49 227.4 0.0 560.5

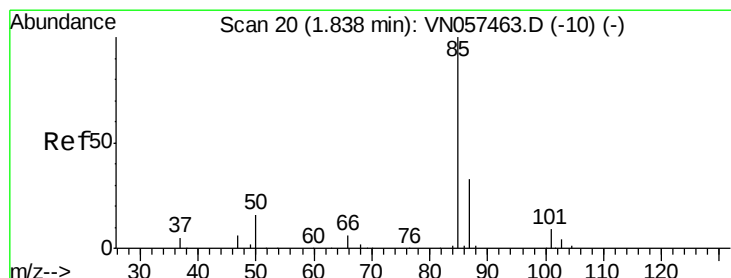
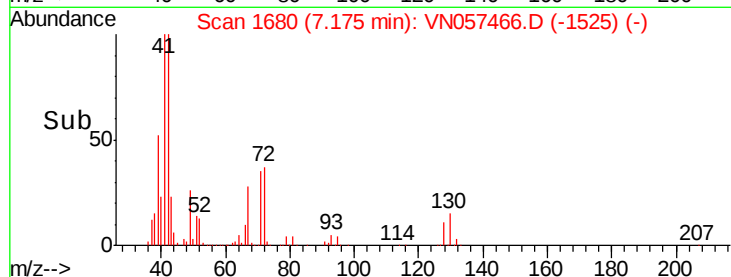
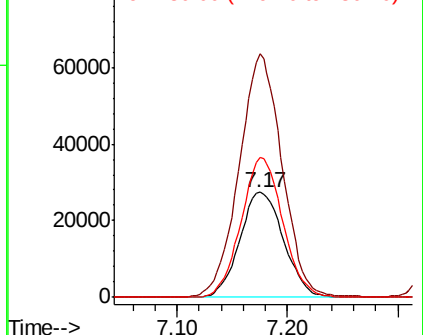
130 126.9 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 161.320 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057466.D

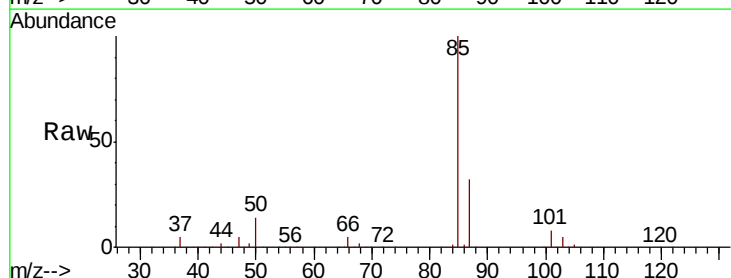
Acq: 23 Aug 2019 10:54

Tgt Ion: 85 Resp: 623036

Ion Ratio Lower Upper

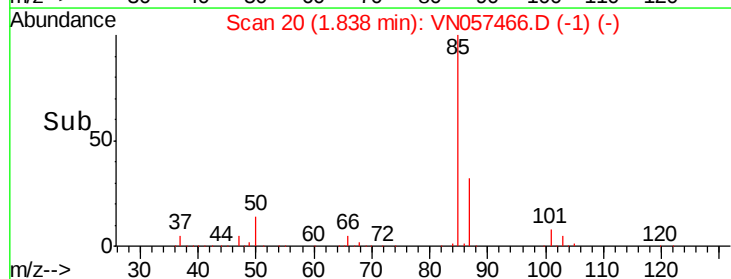
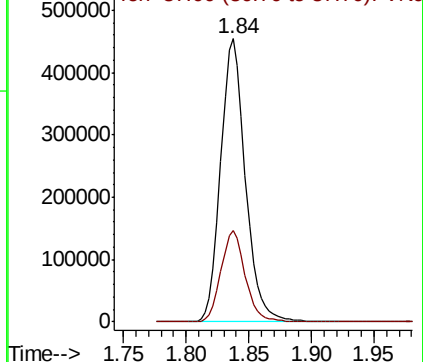
85 100

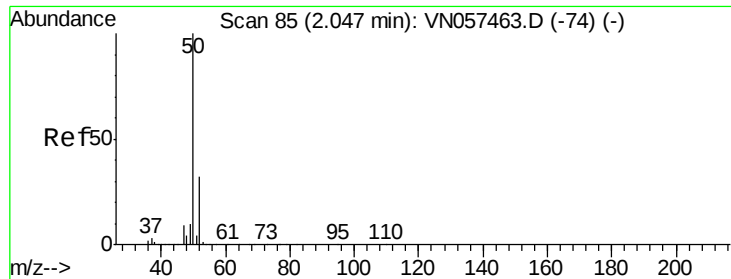
87 32.1 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 180.018 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

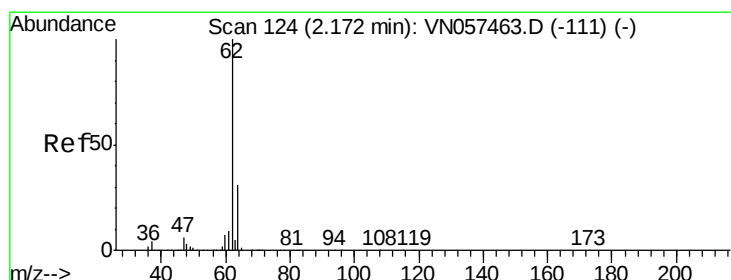
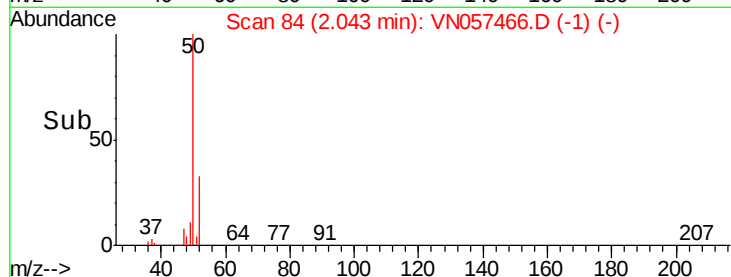
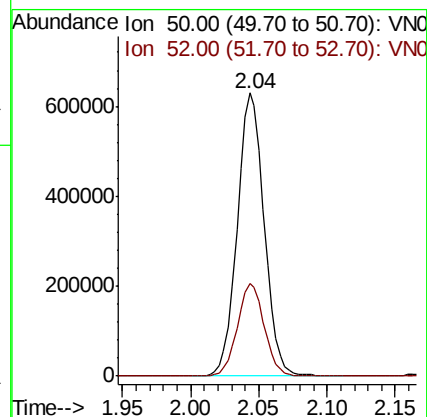
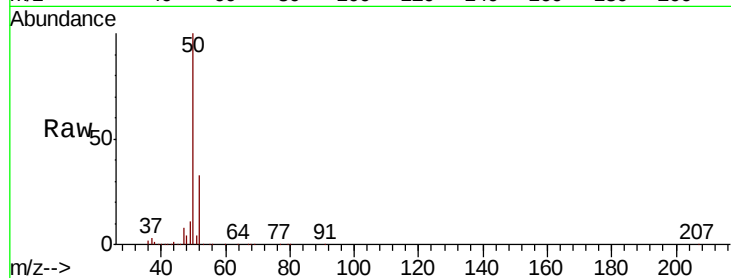
VSTDIC150

Tgt Ion: 50 Resp: 861188

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 220.500 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057466.D

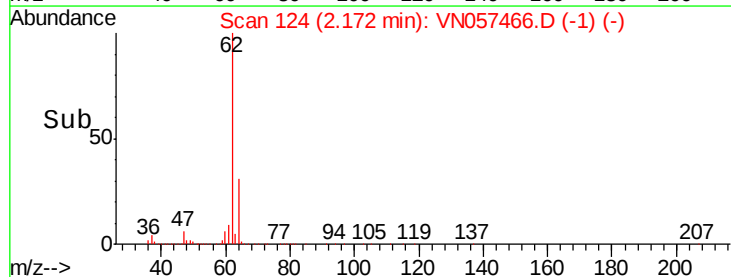
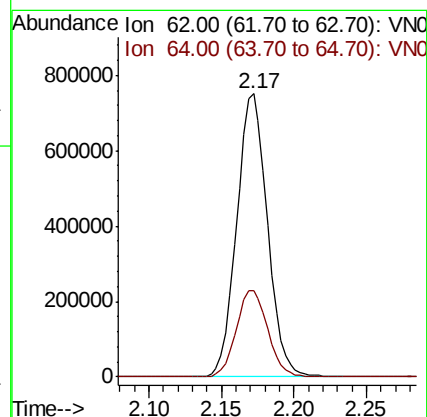
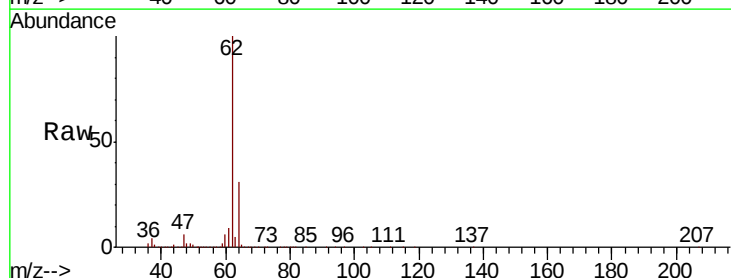
Acq: 23 Aug 2019 10:54

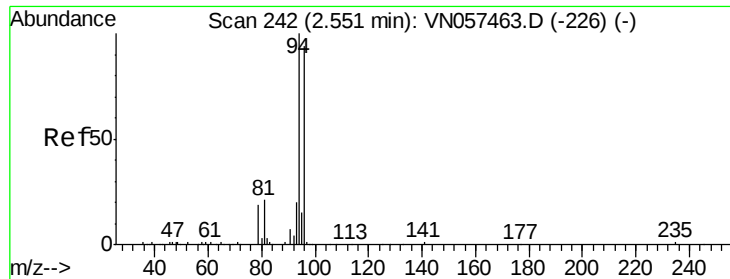
Tgt Ion: 62 Resp: 1102946

Ion Ratio Lower Upper

62 100

64 30.7 24.8 37.2





#5

Bromomethane

Concen: 186.595 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.02 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

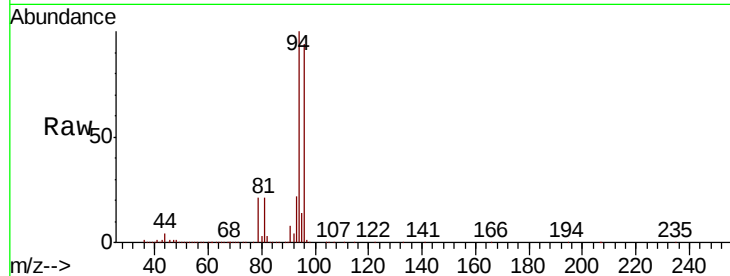
VSTDIC150

Tgt Ion: 94 Resp: 683351

Ion Ratio Lower Upper

94 100

96 93.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN057466.D (-235) (-)

Ion 96.00 (95.70 to 96.70): VN057466.D (-235) (-)

2.53

400000

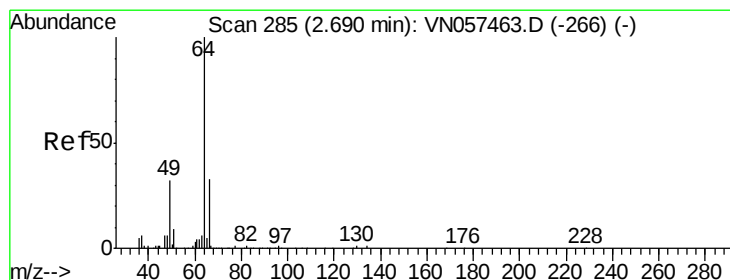
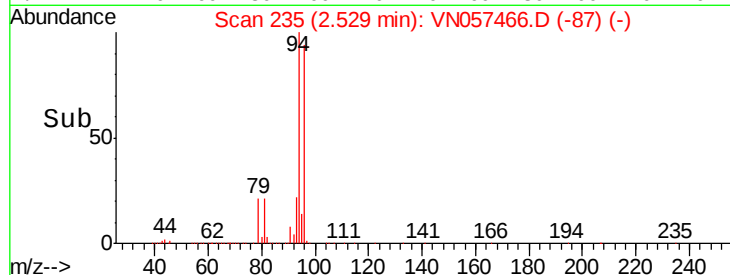
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 211.970 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057466.D

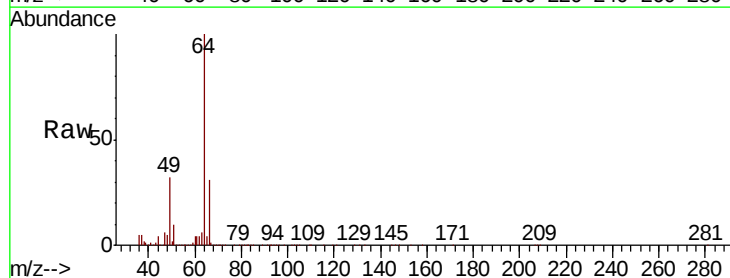
Acq: 23 Aug 2019 10:54

Tgt Ion: 64 Resp: 716504

Ion Ratio Lower Upper

64 100

66 31.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN057466.D (-281) (-)

Ion 66.00 (65.70 to 66.70): VN057466.D (-281) (-)

2.68

400000

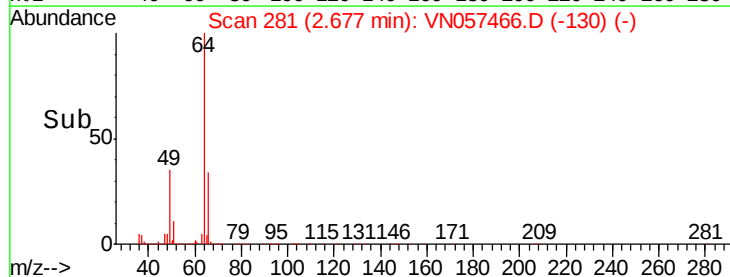
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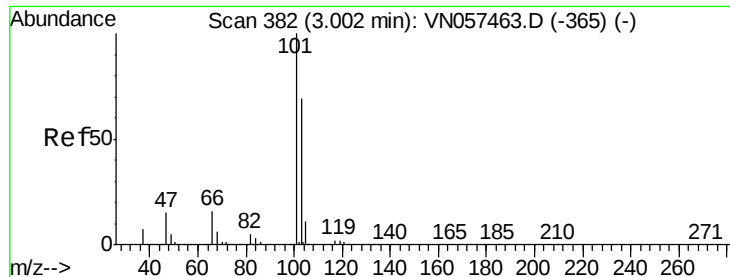
200000

100000

0

Time-->



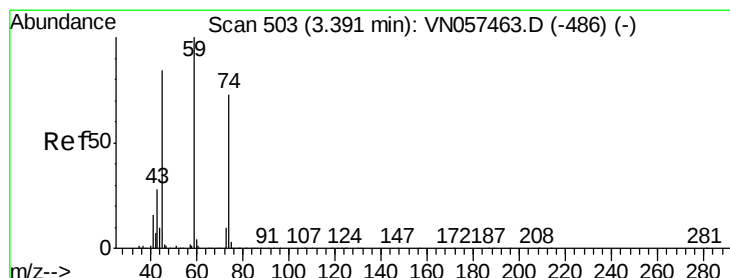
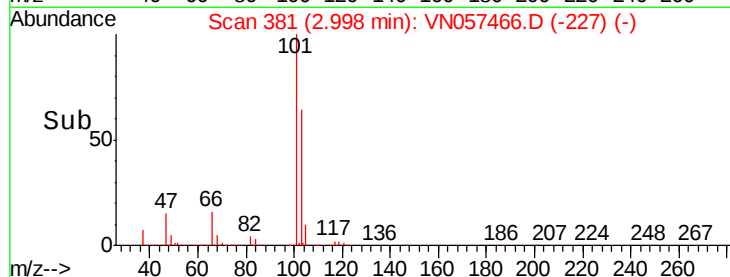
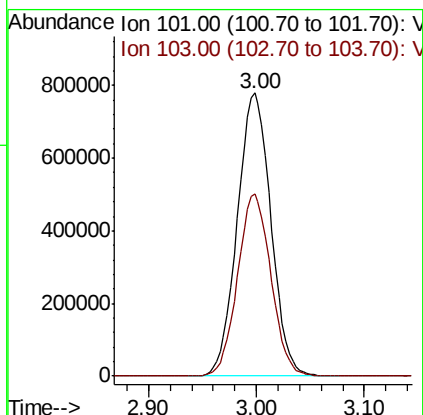
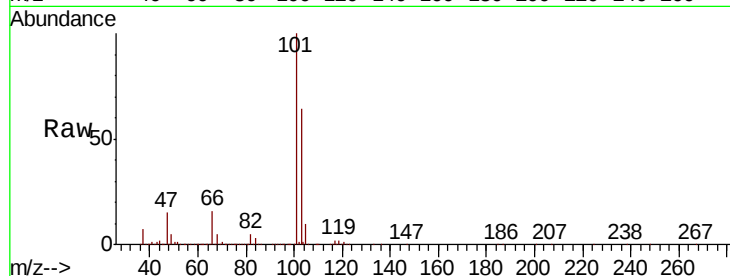


#7

Trichlorofluoromethane
 Concen: 213.495 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

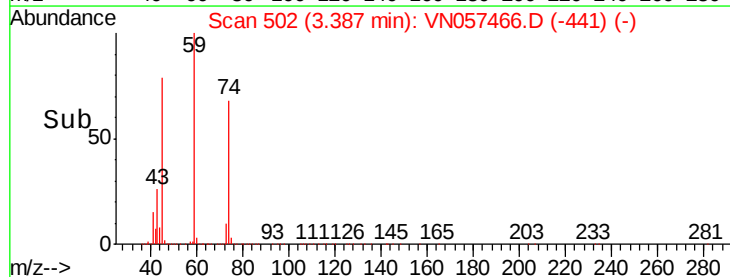
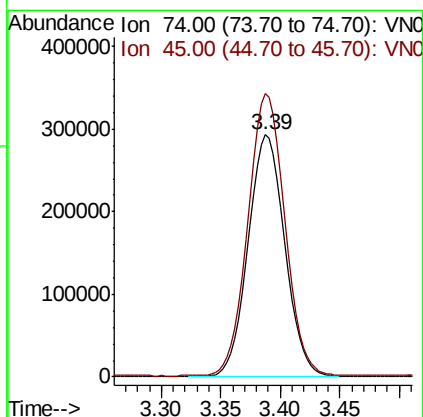
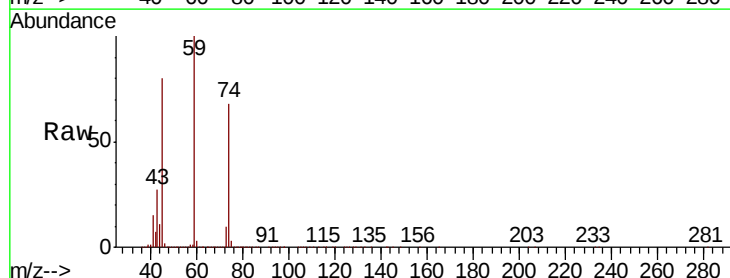
Tgt Ion:101 Resp: 1695428
 Ion Ratio Lower Upper
 101 100
 103 64.3 55.0 82.4

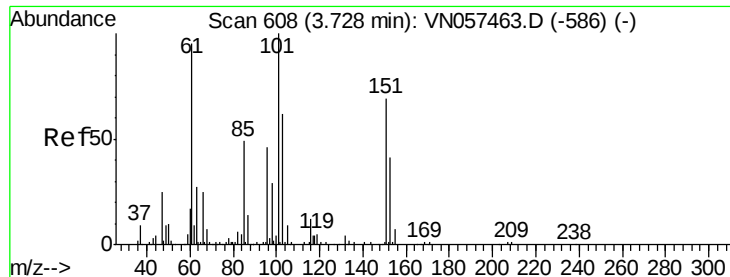


#8

Diethyl Ether
 Concen: 210.850 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 74 Resp: 626244
 Ion Ratio Lower Upper
 74 100
 45 116.9 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 200.722 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

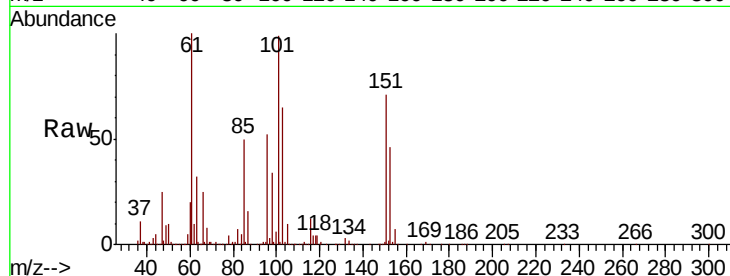
Tgt Ion:101 Resp: 934135

Ion Ratio Lower Upper

101 100

85 50.7 0.0 101.6

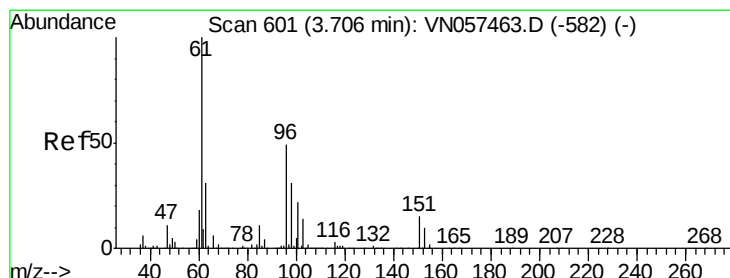
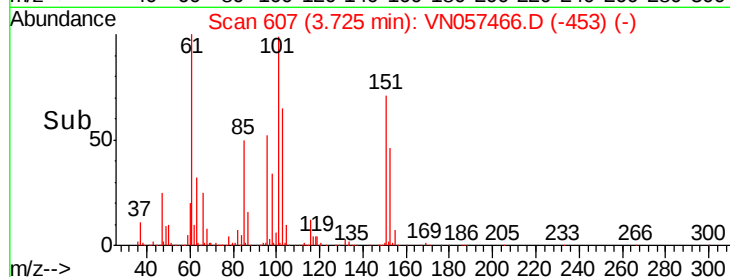
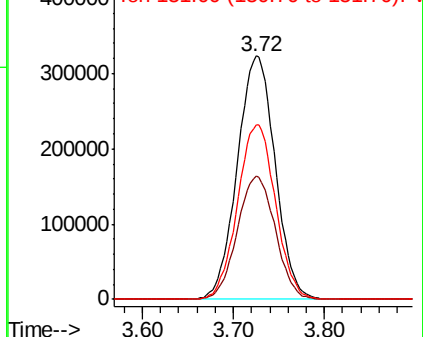
151 72.0 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 199.087 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

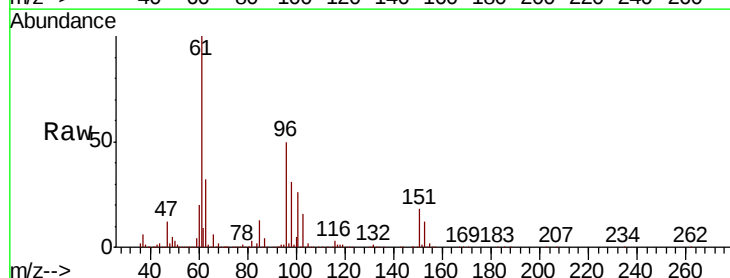
Tgt Ion: 96 Resp: 906941

Ion Ratio Lower Upper

96 100

61 200.8 162.6 244.0

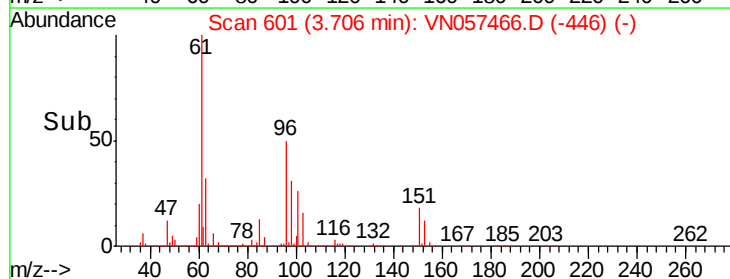
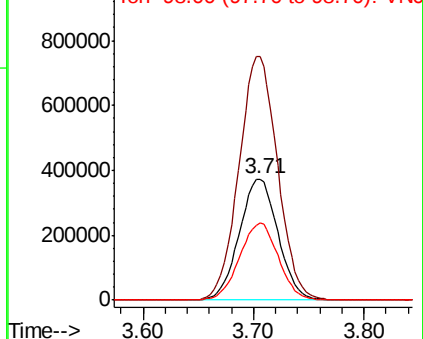
98 63.2 51.1 76.7

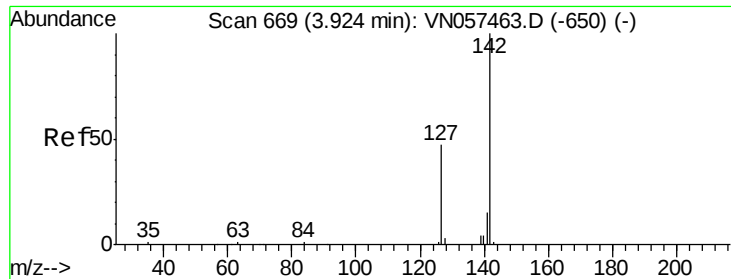


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

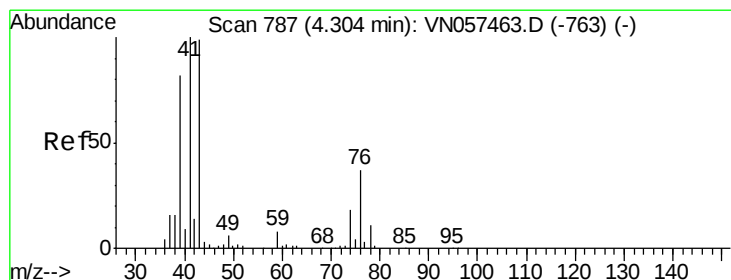
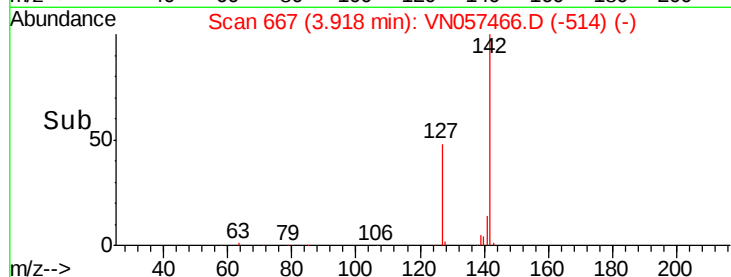
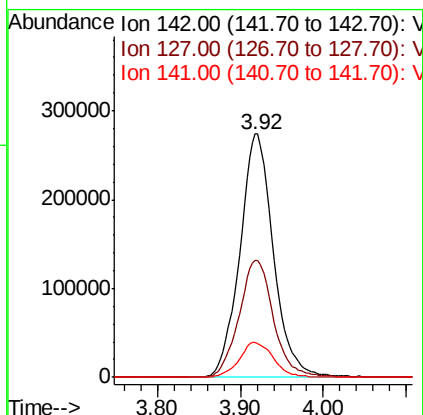
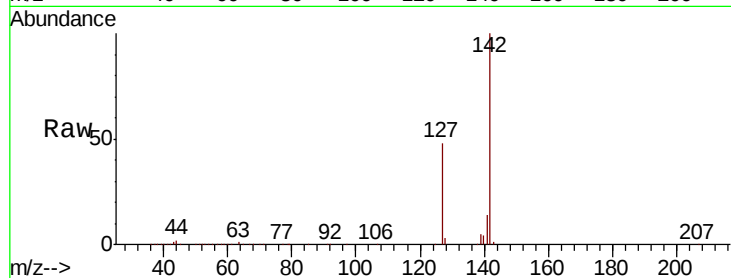




#11
Methyl Iodide
Concen: 118.383 ug/l
RT: 3.92 min Scan# 667
Delta R.T. -0.01 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

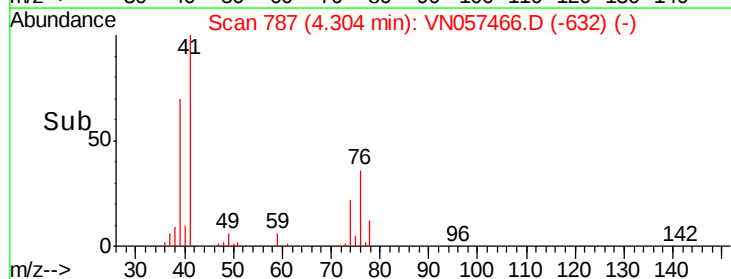
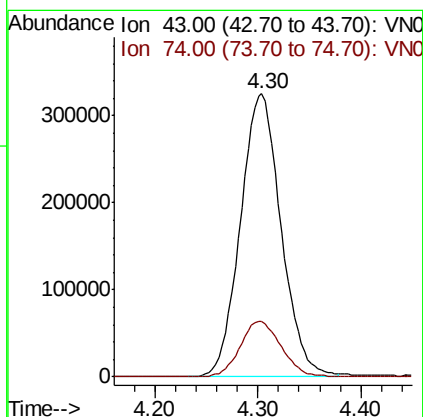
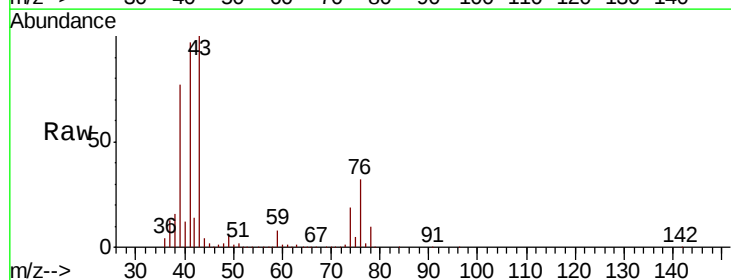
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

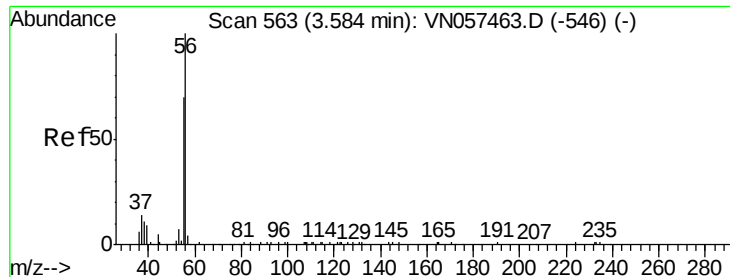
Tgt Ion: 142 Resp: 768663
Ion Ratio Lower Upper
142 100
127 47.9 24.0 72.0
141 14.2 7.0 21.1



#12
Methyl Acetate
Concen: 176.753 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 43 Resp: 885530
Ion Ratio Lower Upper
43 100
74 19.4 14.6 22.0





#13

Acrolein

Concen: 1063.302 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

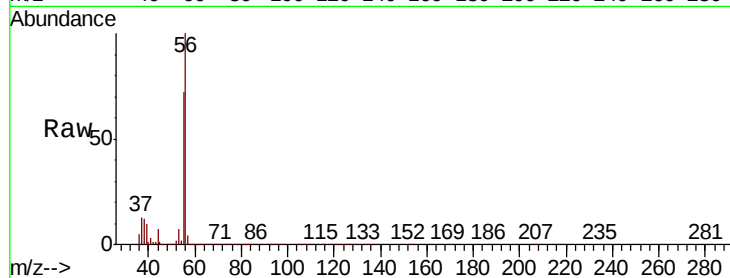
VSTDIC150

Tgt Ion: 56 Resp: 559673

Ion Ratio Lower Upper

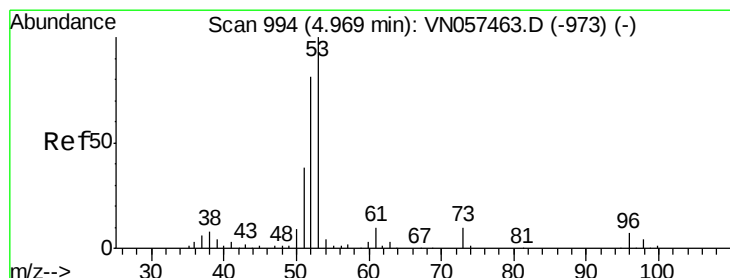
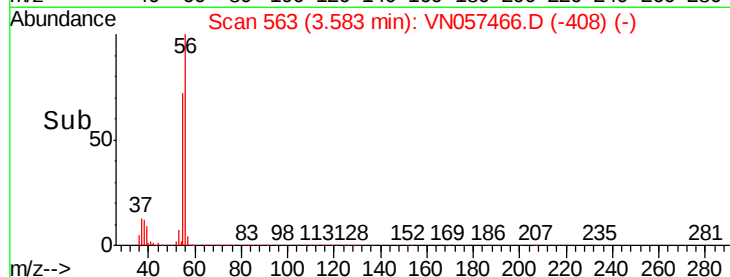
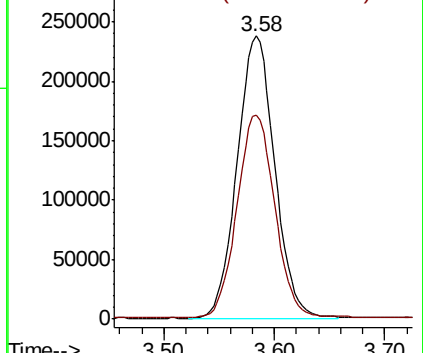
56 100

55 72.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 877.693 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

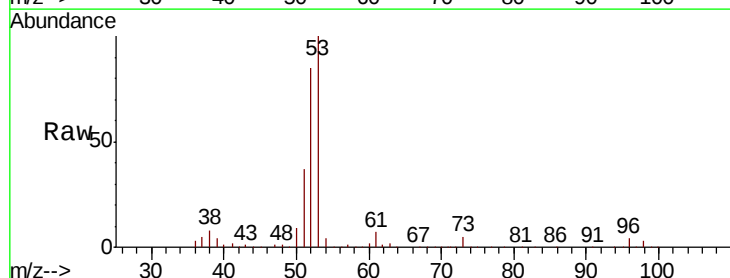
Tgt Ion: 53 Resp: 1704438

Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.9

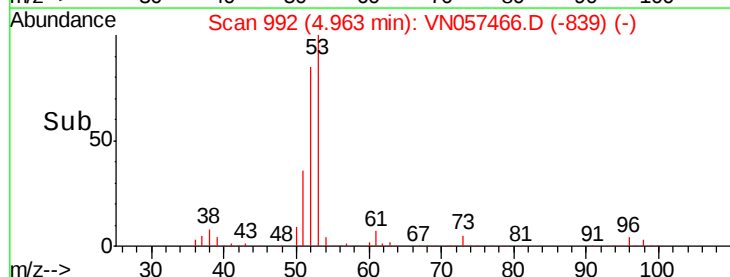
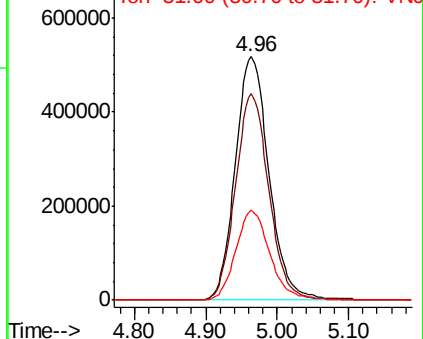
51 37.1 18.3 54.9

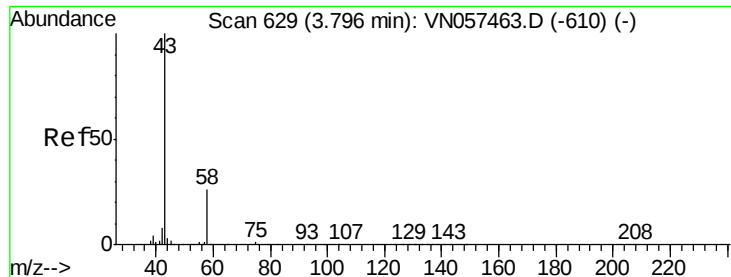


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 1029.212 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

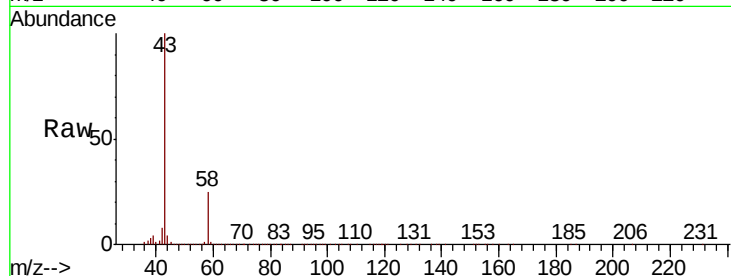
VSTDIC150

Tgt Ion: 58 Resp: 693680

Ion Ratio Lower Upper

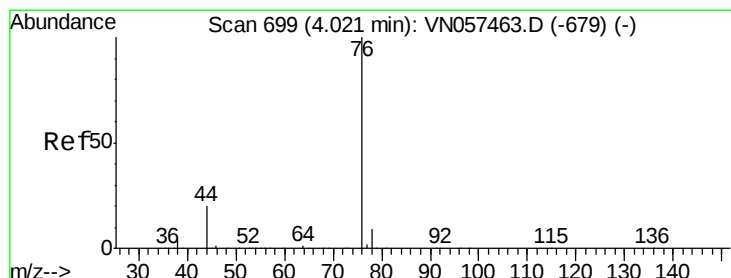
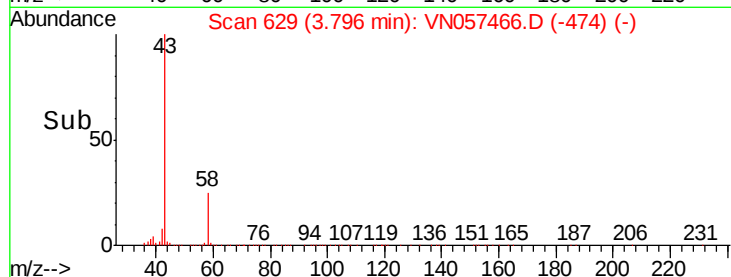
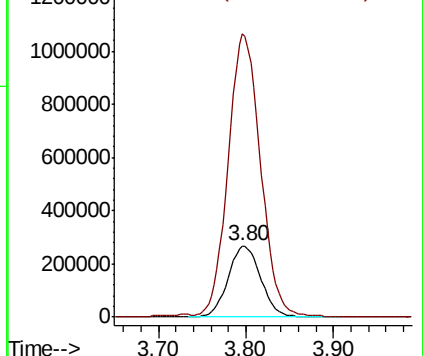
58 100

43 397.2 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 153.247 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057466.D

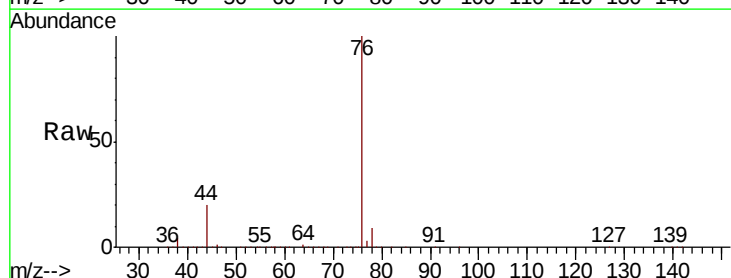
Acq: 23 Aug 2019 10:54

Tgt Ion: 76 Resp: 1716688

Ion Ratio Lower Upper

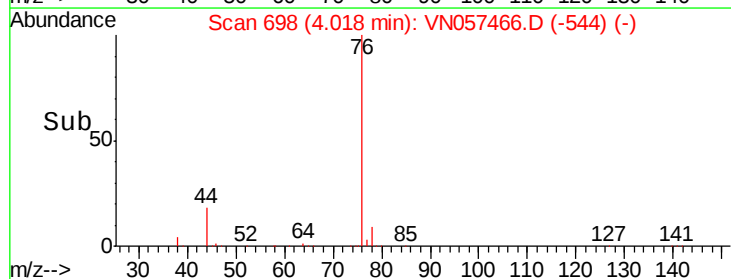
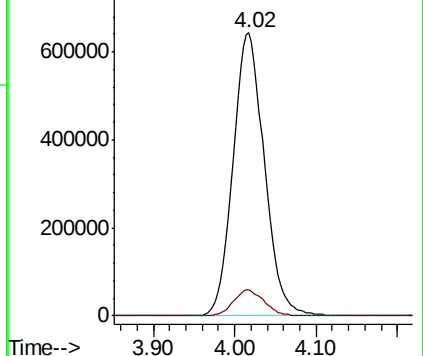
76 100

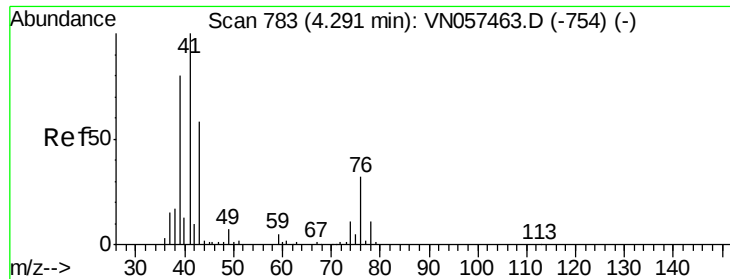
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

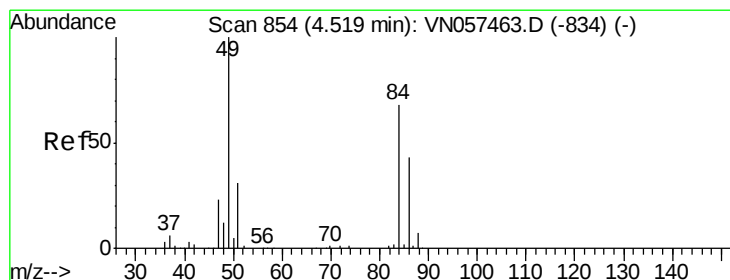
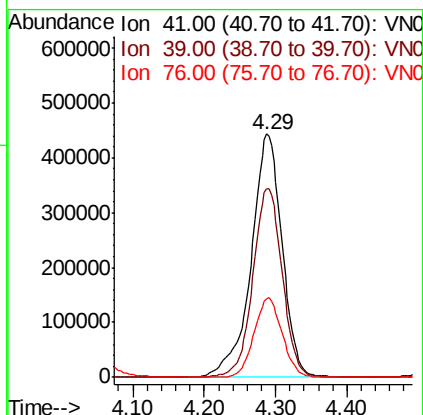
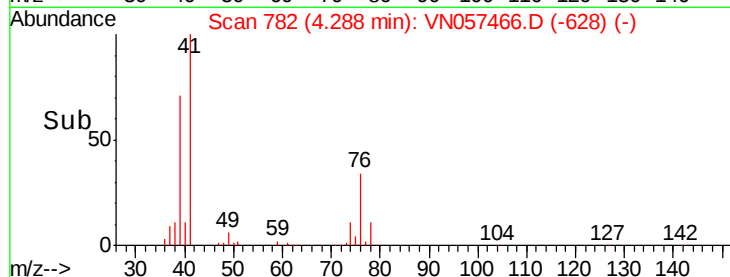
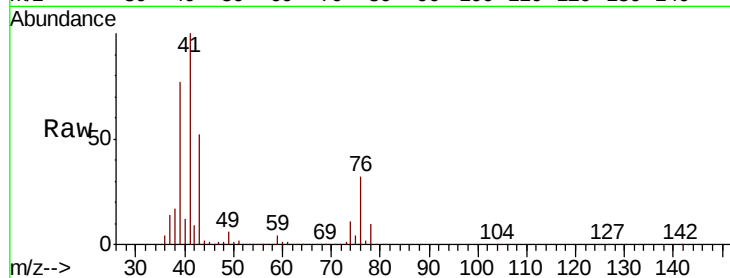




#17
 Allyl chloride
 Concen: 202.699 ug/l
 RT: 4.29 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

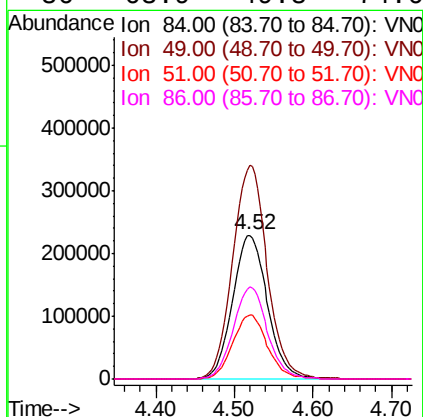
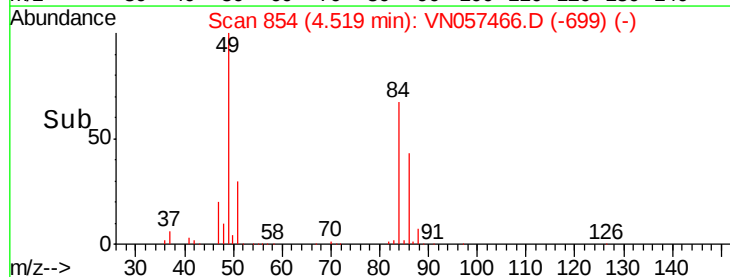
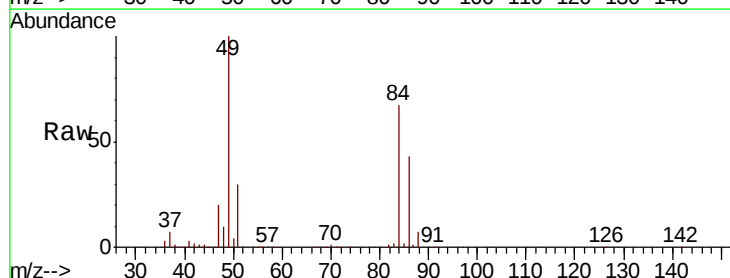
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

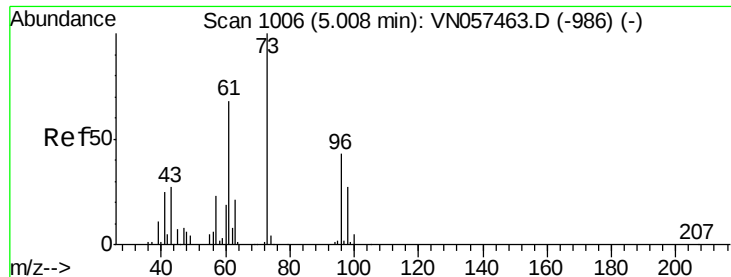
Tgt Ion: 41 Resp: 1327020
 Ion Ratio Lower Upper
 41 100
 39 77.4 40.1 120.2
 76 32.4 16.2 48.6



#18
 Methylene Chloride
 Concen: 151.843 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 84 Resp: 708426
 Ion Ratio Lower Upper
 84 100
 49 148.9 116.8 175.2
 51 44.8 36.4 54.6
 86 63.9 49.8 74.6

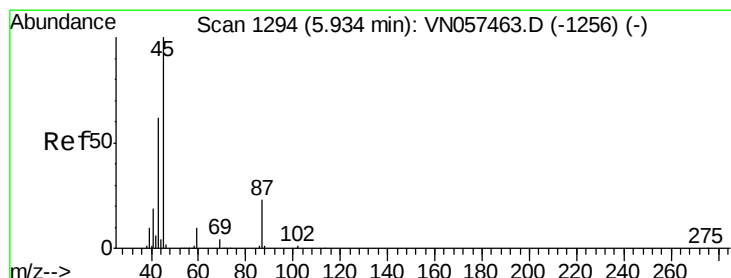
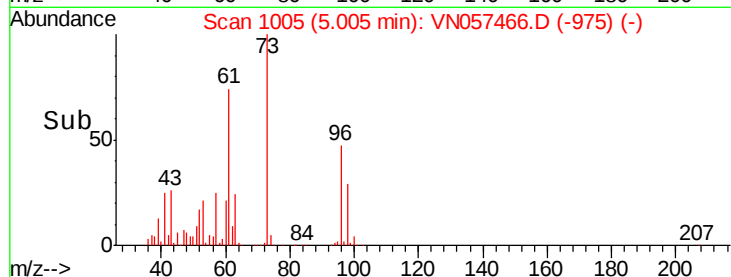
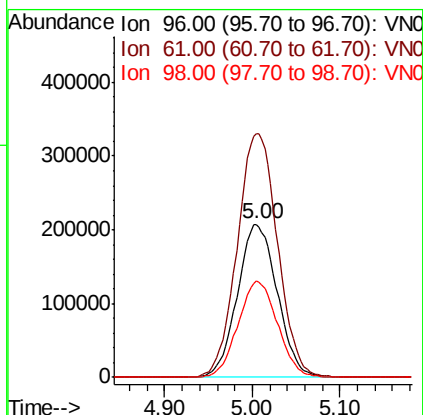
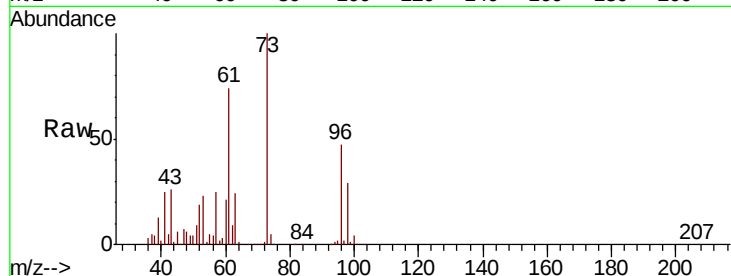




#19
trans-1,2-Dichloroethene
Concen: 148.639 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

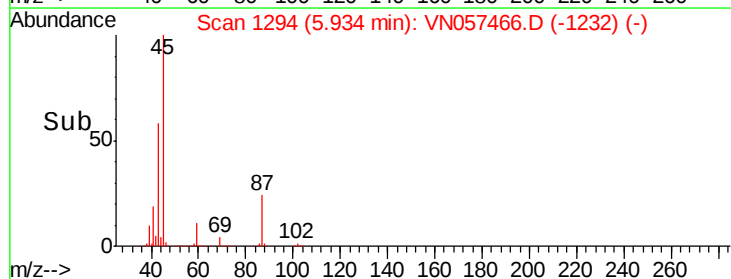
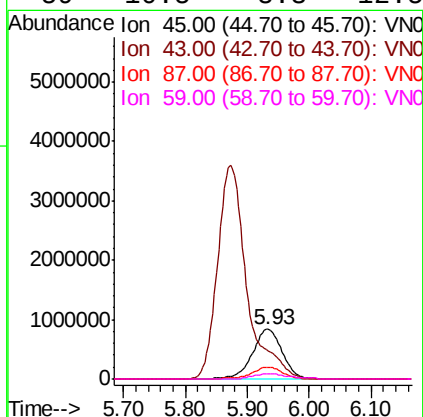
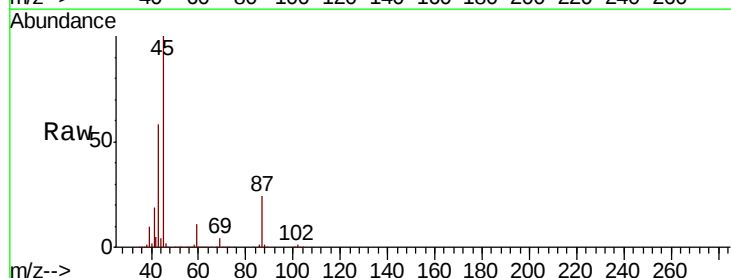
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

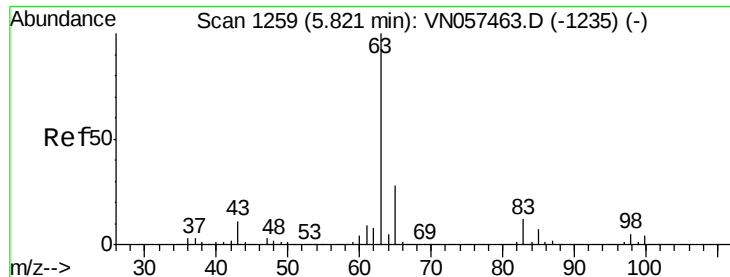
Tgt Ion: 96 Resp: 653606
Ion Ratio Lower Upper
96 100
61 159.0 127.6 191.4
98 62.6 51.5 77.3



#20
Diisopropyl ether
Concen: 203.730 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 45 Resp: 2790915
Ion Ratio Lower Upper
45 100
43 57.2 49.9 74.9
87 23.7 19.1 28.7
59 10.5 8.3 12.5

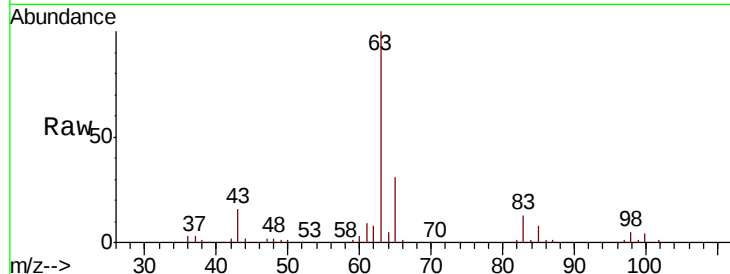




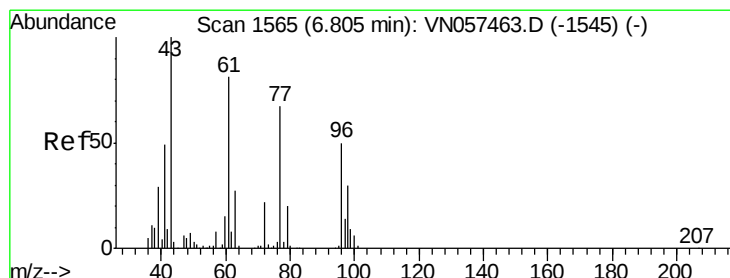
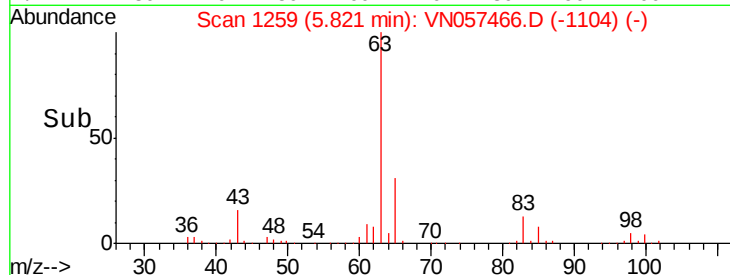
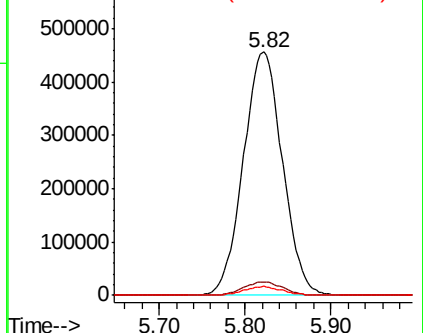
#21
 1,1-Dichloroethane
 Concen: 178.637 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1443598
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.4 7.1
 100 3.6 2.1 6.3

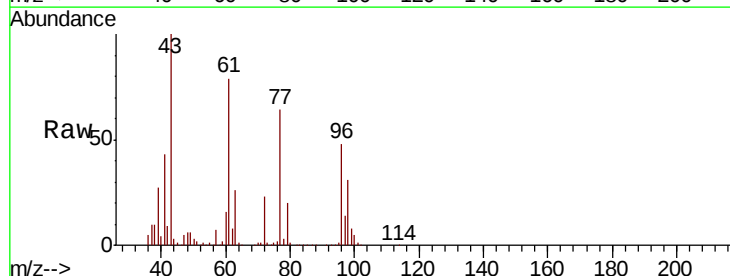


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

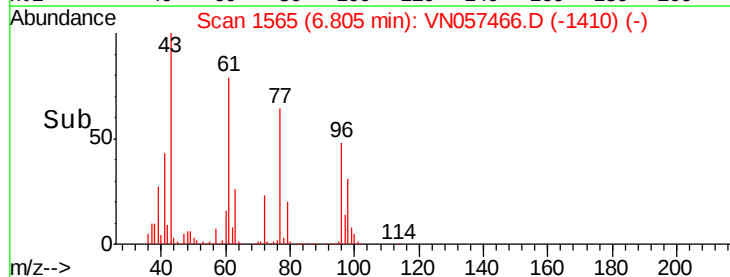
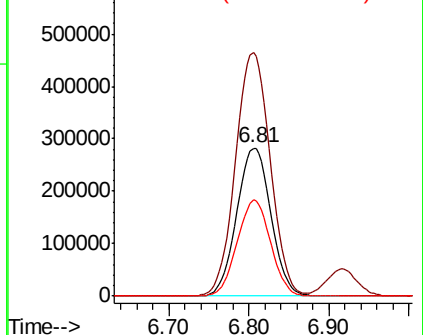


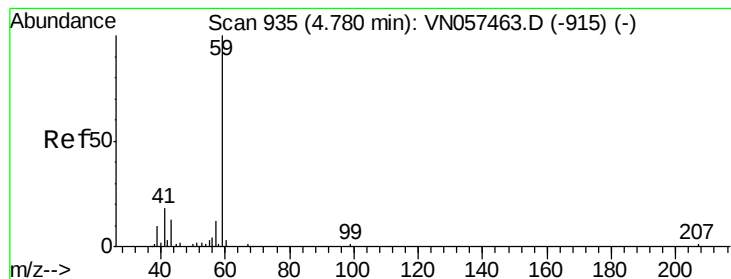
#22
 cis-1,2-Dichloroethene
 Concen: 157.947 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 96 Resp: 817212
 Ion Ratio Lower Upper
 96 100
 61 166.8 134.4 201.6
 98 63.4 51.4 77.0



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



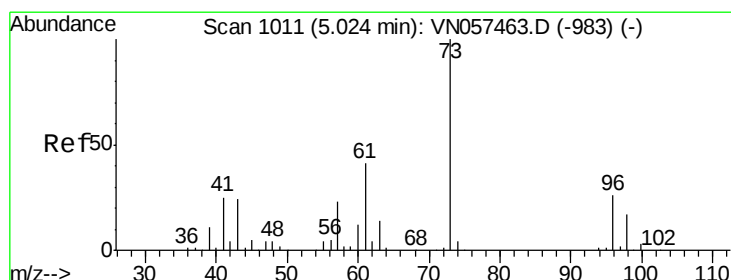
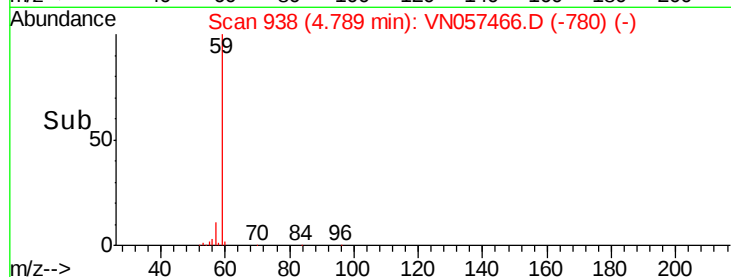
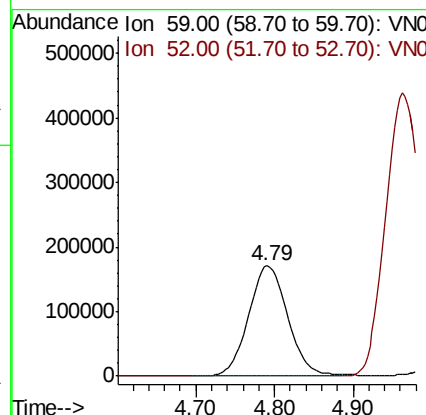
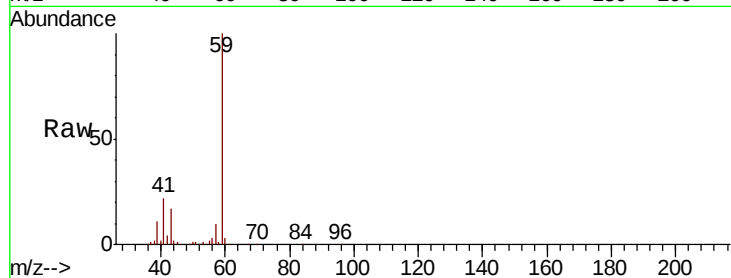


#23

tert-Butyl Alcohol
 Concen: 863.767 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

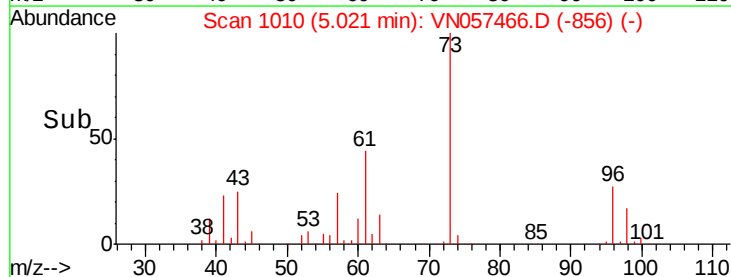
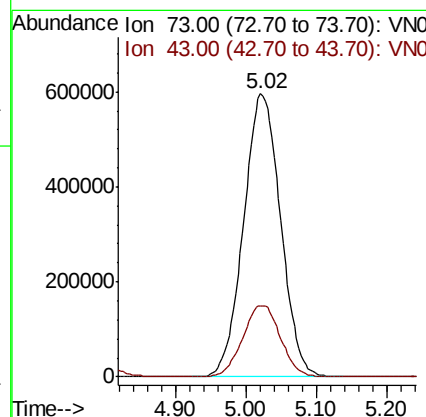
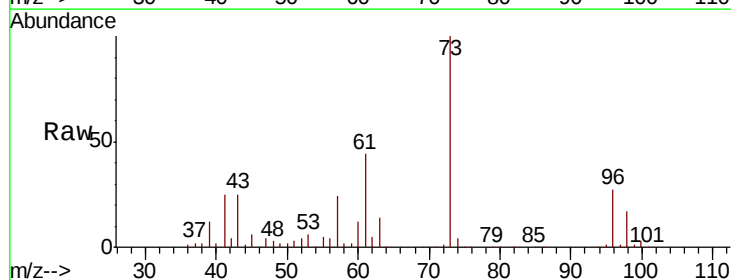
Tgt Ion: 59 Resp: 601458
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

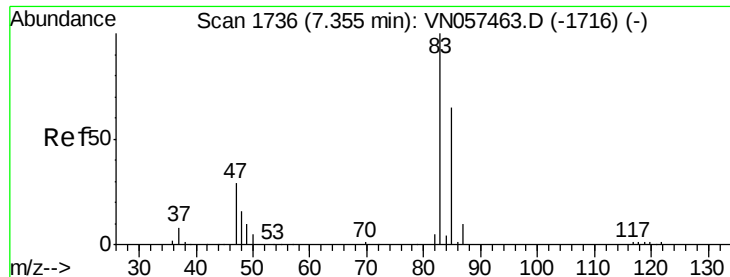


#24

Methyl tert-Butyl Ether
 Concen: 167.722 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 73 Resp: 2180585
 Ion Ratio Lower Upper
 73 100
 43 25.4 20.1 30.1

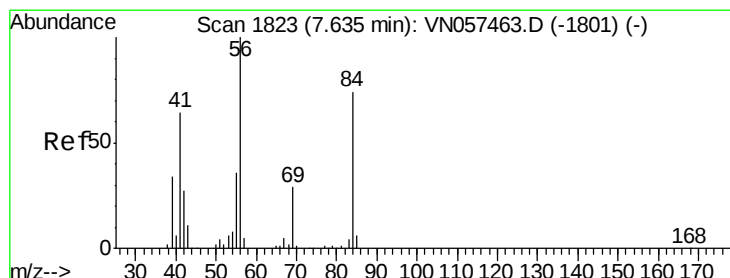
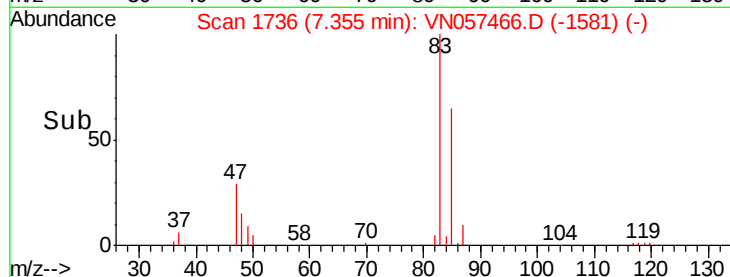
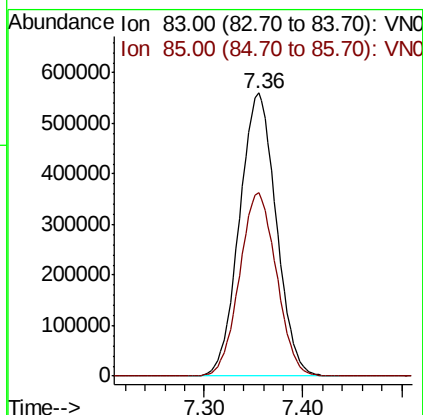
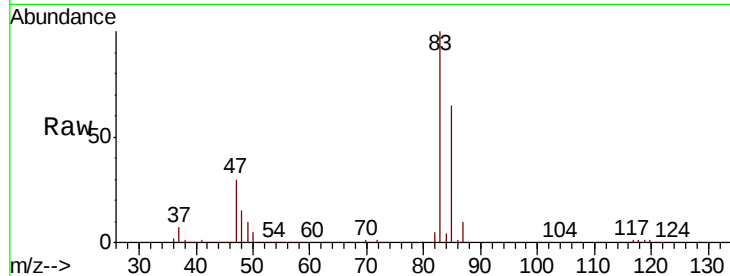




#25
Chloroform
Concen: 173.608 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

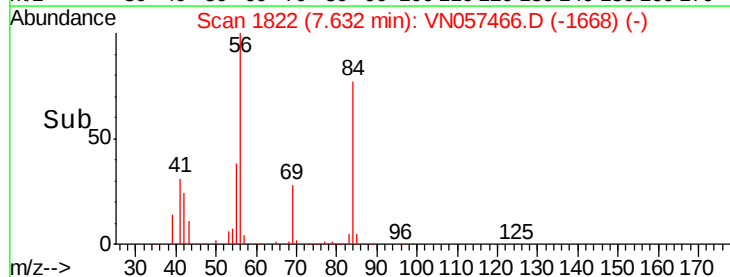
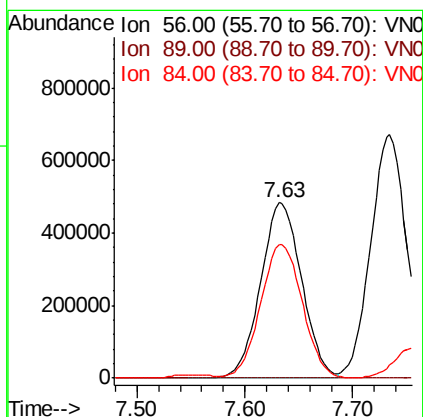
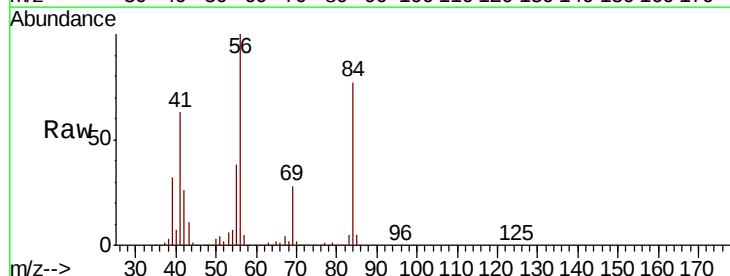
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

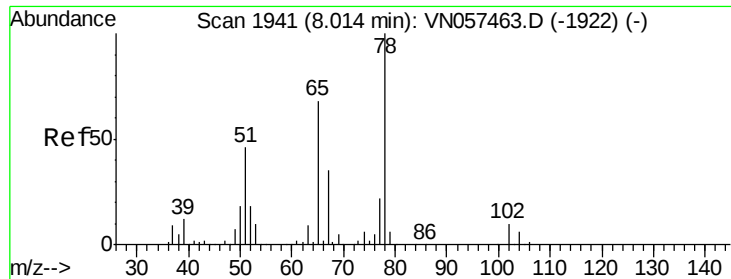
Tgt Ion: 83 Resp: 1443263
Ion Ratio Lower Upper
83 100
85 64.6 52.0 78.0



#26
Cyclohexane
Concen: 187.309 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 56 Resp: 1274559
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 77.7 61.1 91.7

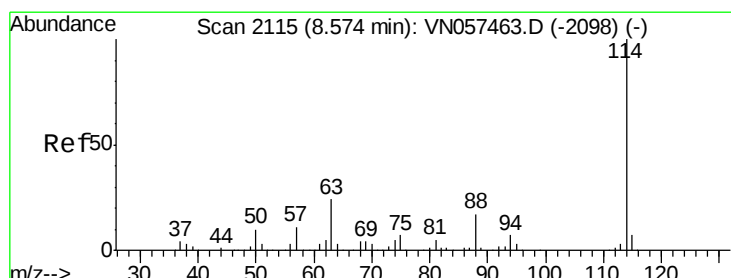
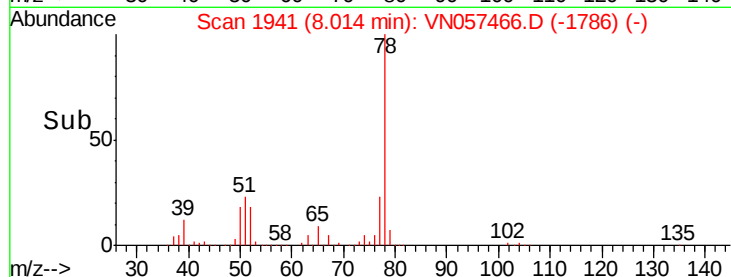
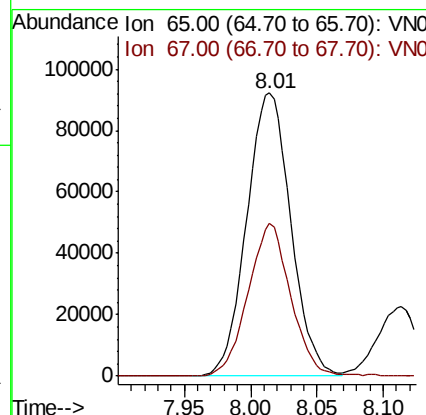
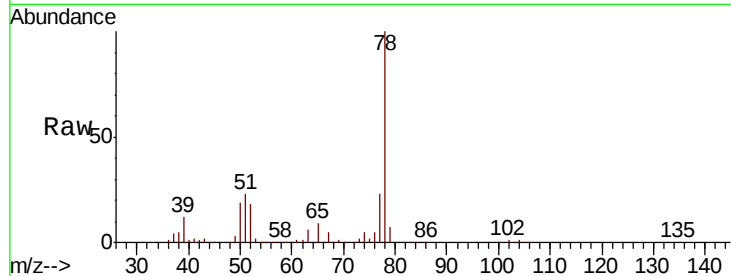




#27
 1,2-Dichloroethane-d4
 Concen: 39.811 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

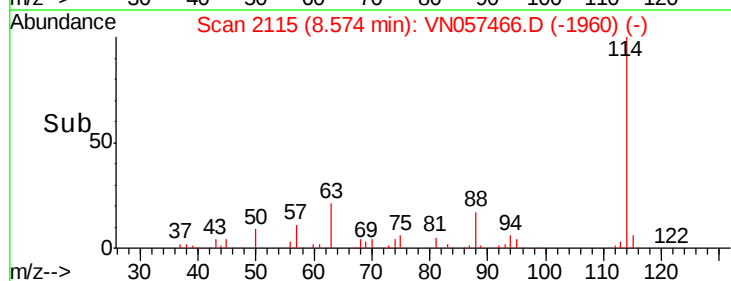
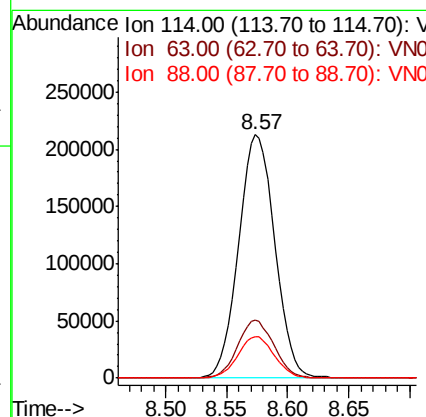
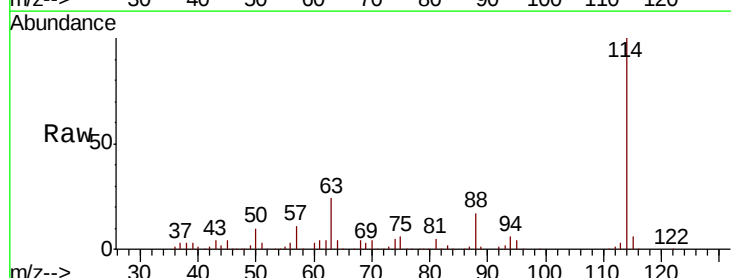
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

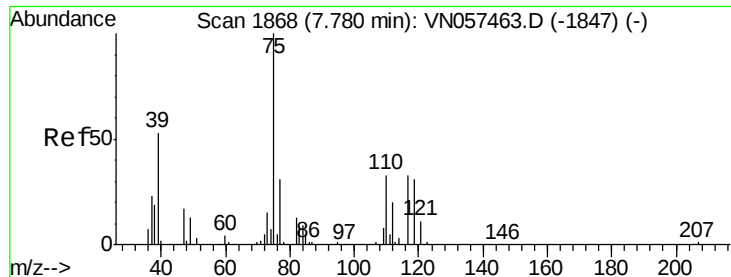
Tgt Ion: 65 Resp: 213208
 Ion Ratio Lower Upper
 65 100
 67 51.9 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 114 Resp: 437252
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.6 29.4
 88 17.1 13.1 19.7





#29

1,1-Dichloropropene

Concen: 167.652 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

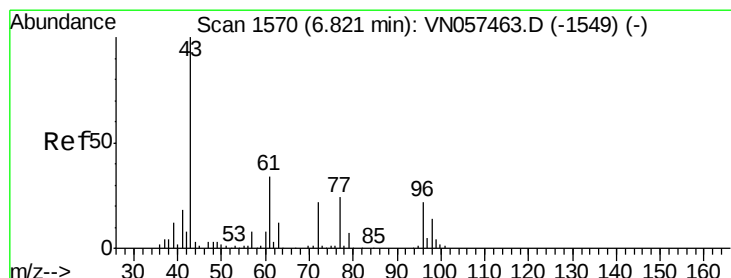
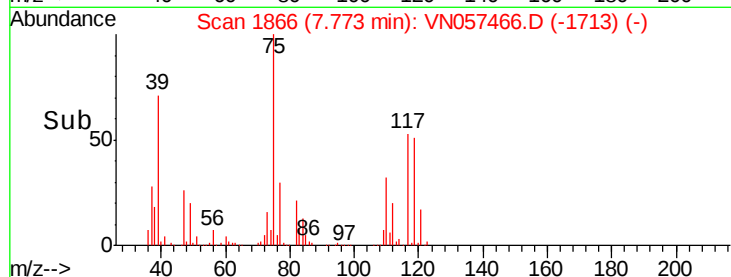
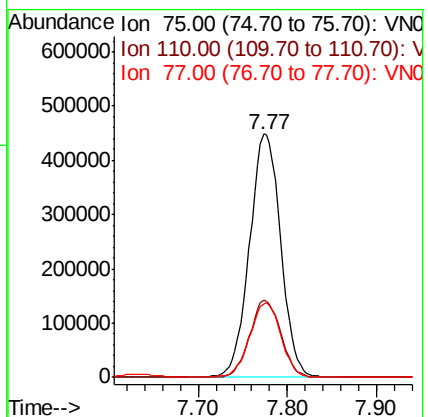
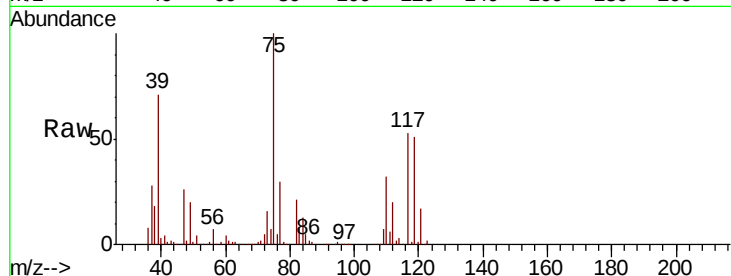
Tgt Ion: 75 Resp: 1090587

Ion Ratio Lower Upper

75 100

110 31.5 0.0 64.0

77 30.6 0.0 63.4



#30

2-Butanone

Concen: 948.394 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

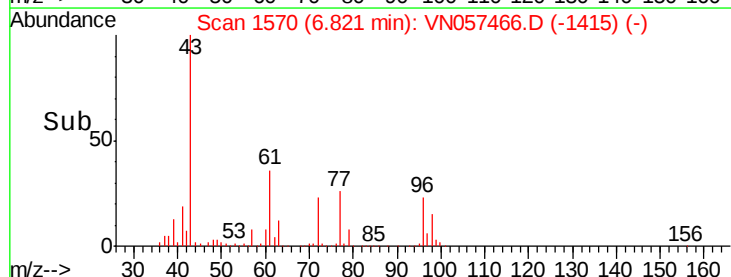
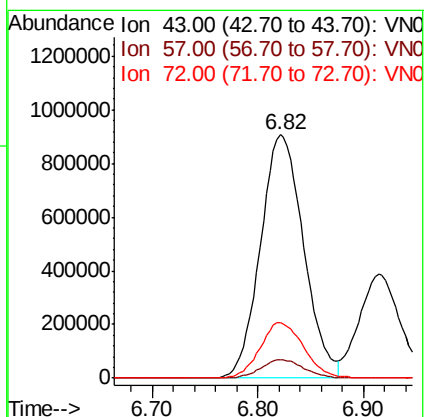
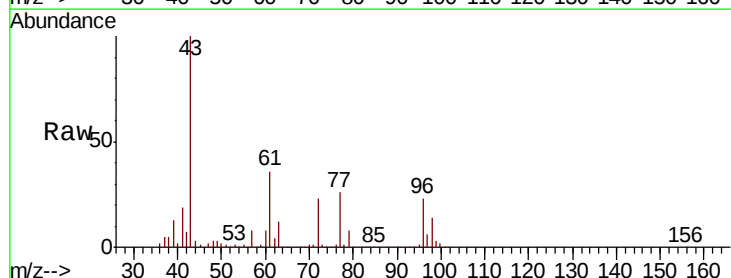
Tgt Ion: 43 Resp: 2575485

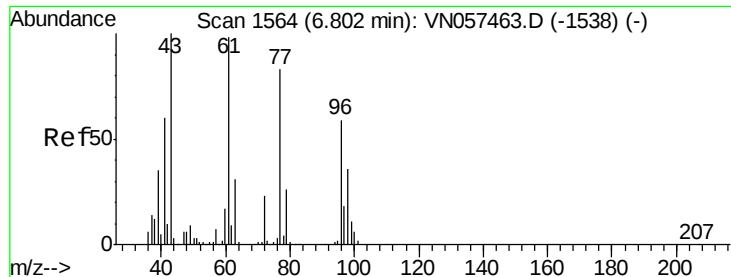
Ion Ratio Lower Upper

43 100

57 7.5 5.7 8.5

72 23.0 18.2 27.2

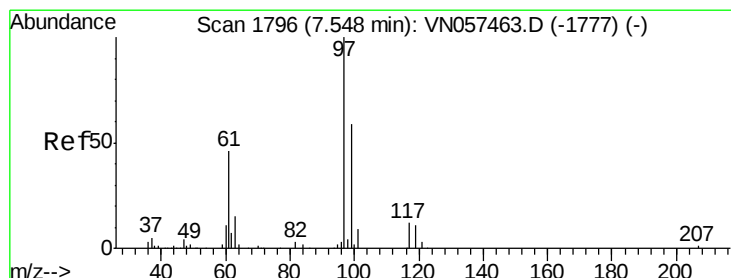
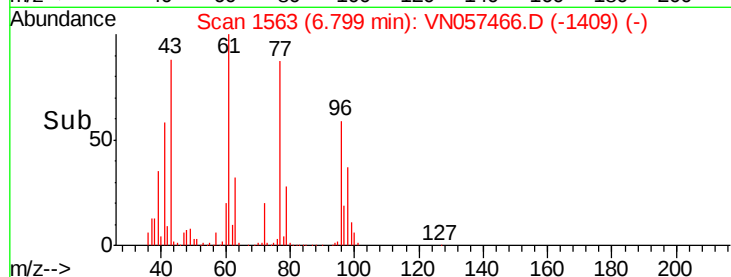
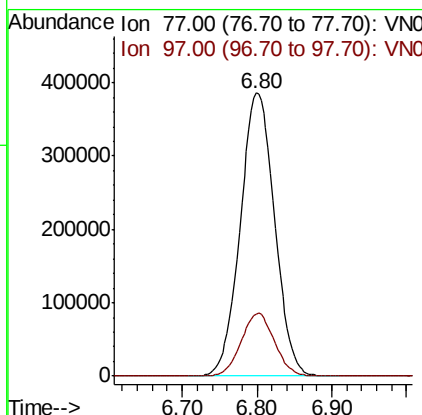
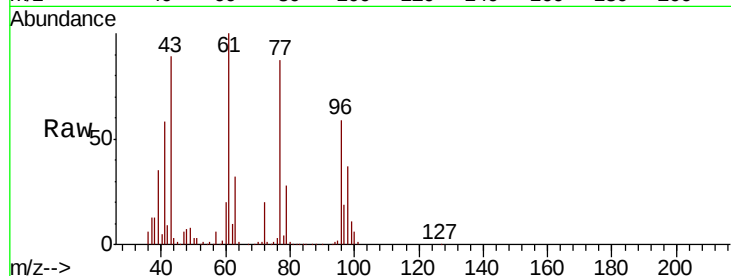




#31
 2,2-Dichloropropane
 Concen: 170.819 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

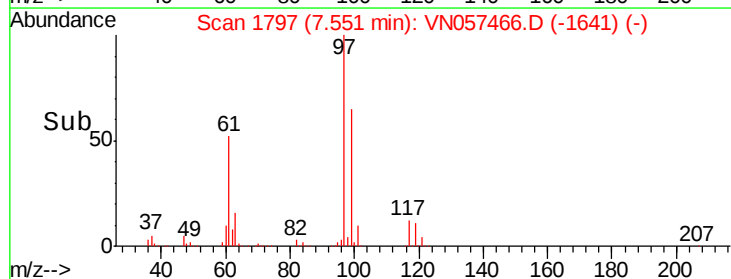
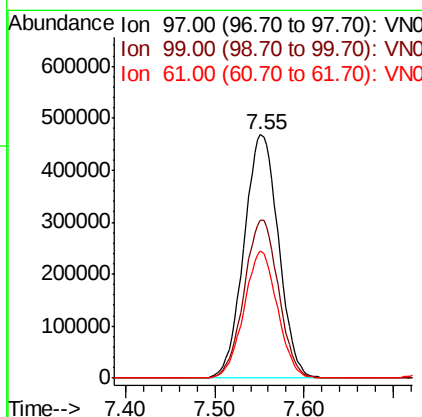
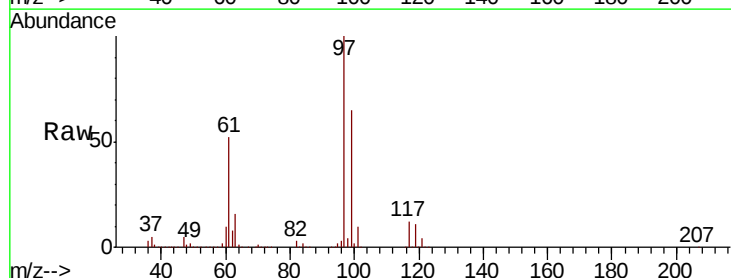
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

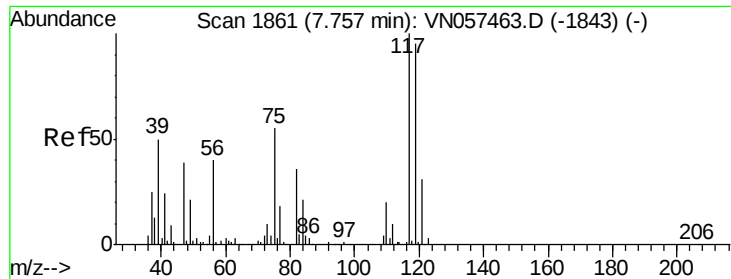
Tgt Ion: 77 Resp: 1230269
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.0 25.4



#32
 1,1,1-Trichloroethane
 Concen: 165.876 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 97 Resp: 1263467
 Ion Ratio Lower Upper
 97 100
 99 64.7 49.6 74.4
 61 50.6 40.9 61.3

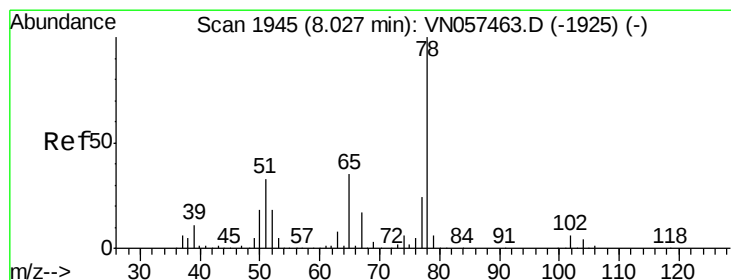
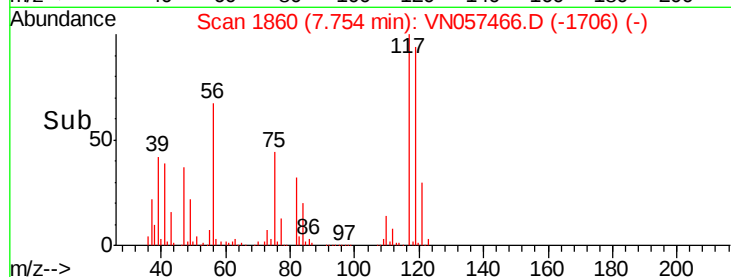
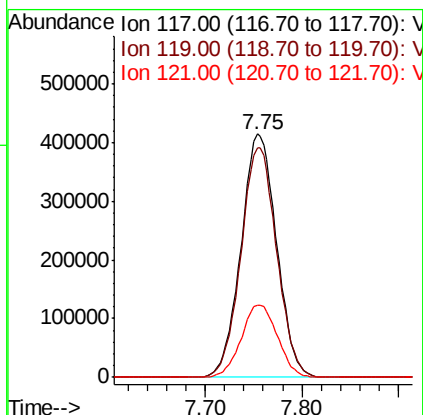
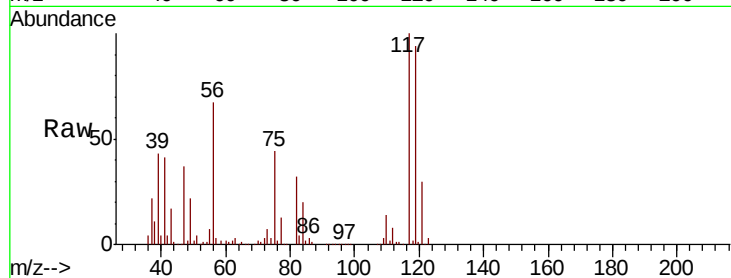




#33
Carbon Tetrachloride
Concen: 157.762 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

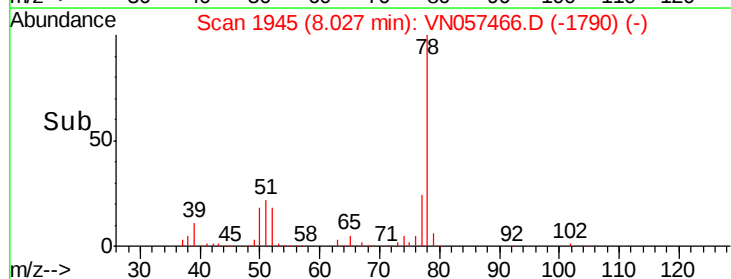
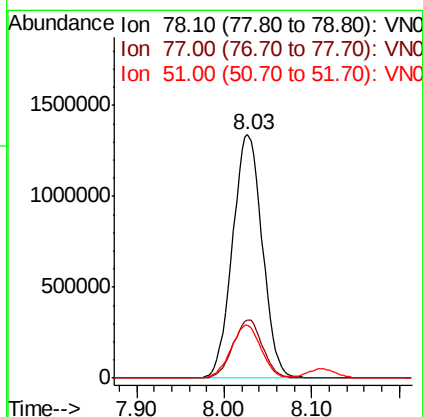
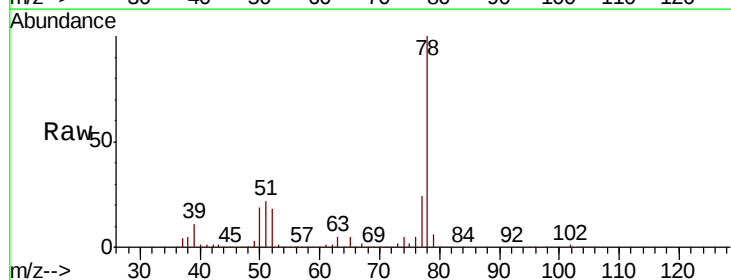
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

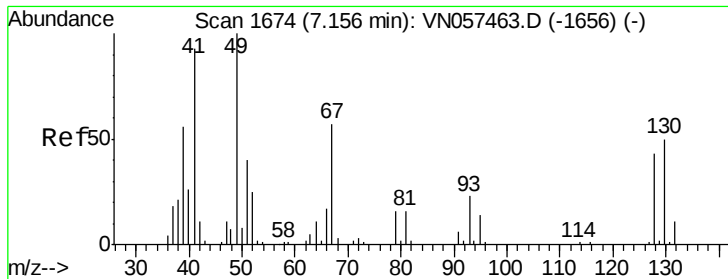
Tgt Ion:117 Resp: 1056600
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2
121 29.8 24.8 37.2



#34
Benzene
Concen: 161.358 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 78 Resp: 3169102
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3
51 21.6 26.0 39.0#

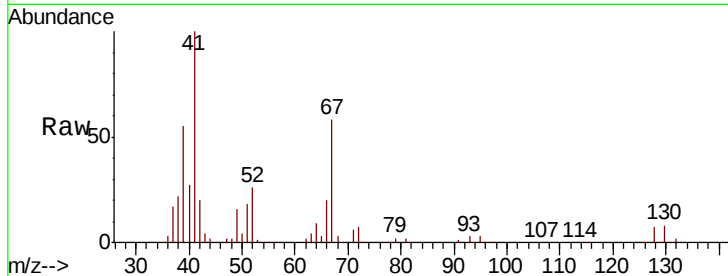




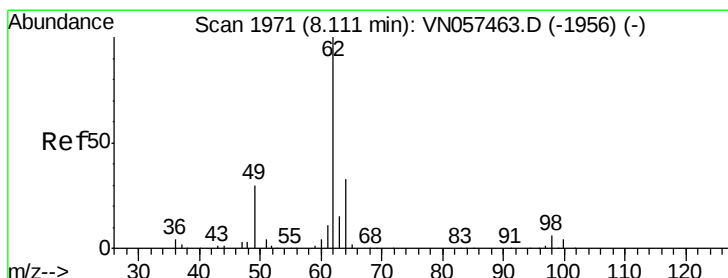
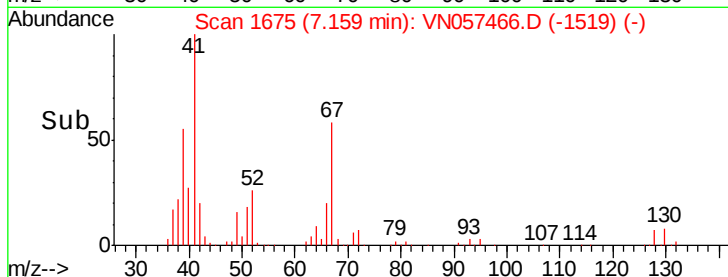
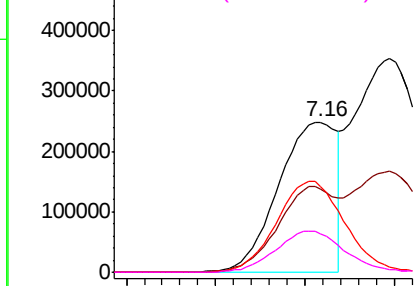
#35
Methacrylonitrile
Concen: 158.227 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:	41	Resp:	559625
Ion	Ratio	Lower	Upper
41	100		
39	55.2	30.5	91.5
67	57.6	30.9	92.5
52	25.9	13.6	40.8

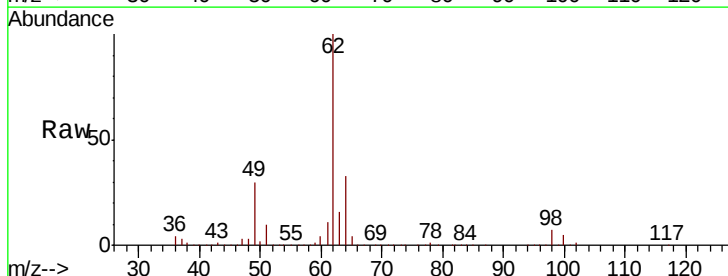


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

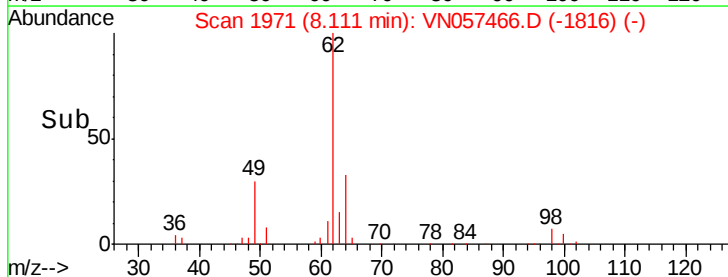
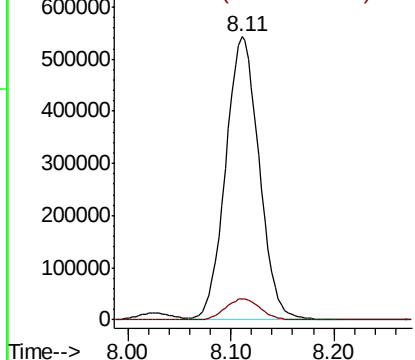


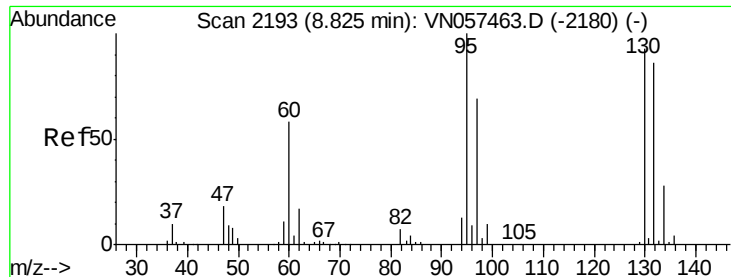
#36
1,2-Dichloroethane
Concen: 184.683 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion:	62	Resp:	1231157
Ion	Ratio	Lower	Upper
62	100		
98	7.6	2.8	4.2#



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

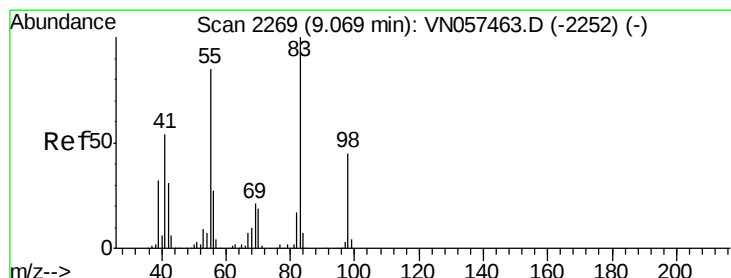
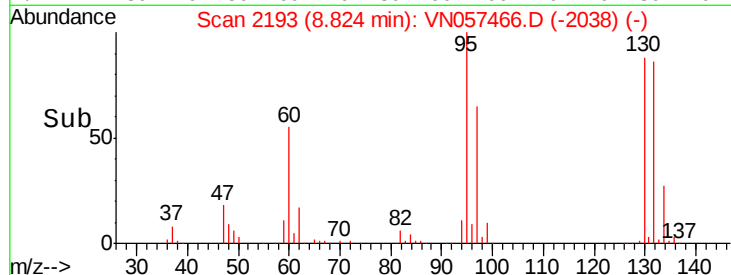
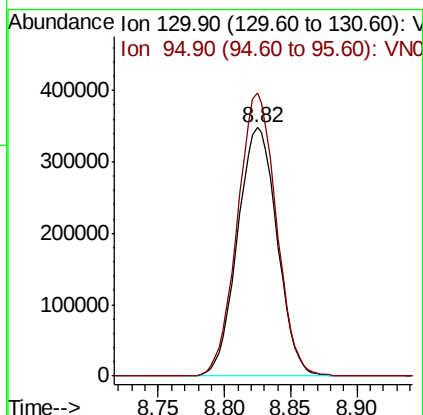
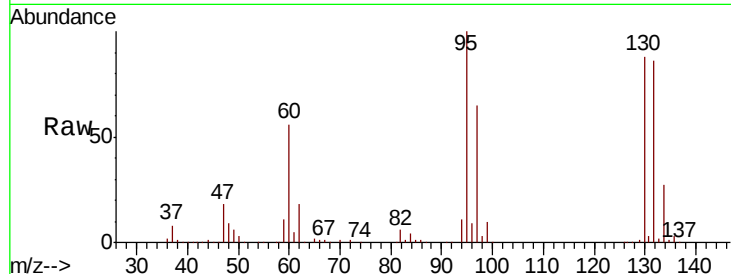




#37
 Trichloroethene
 Concen: 132.924 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

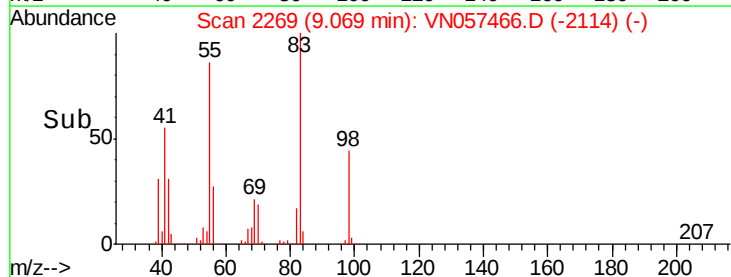
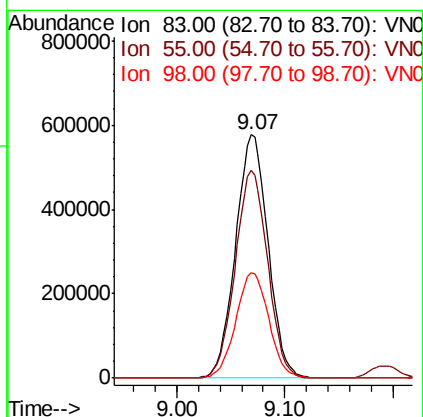
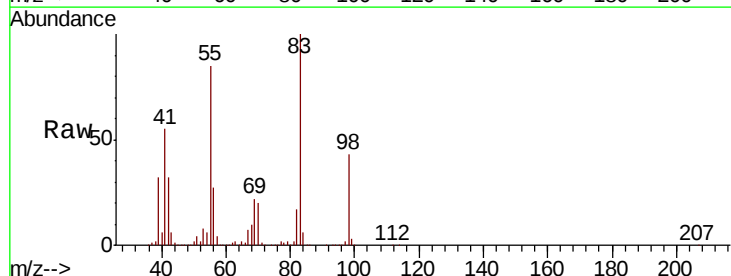
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

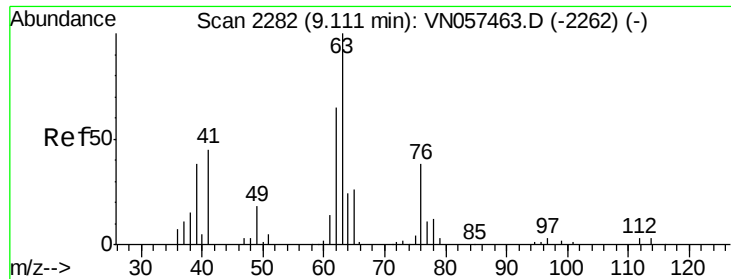
Tgt Ion: 130 Resp: 725579
 Ion Ratio Lower Upper
 130 100
 95 113.7 86.4 129.6



#38
 Methylcyclohexane
 Concen: 159.743 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 83 Resp: 1212299
 Ion Ratio Lower Upper
 83 100
 55 85.0 43.3 129.8
 98 43.9 22.8 68.4

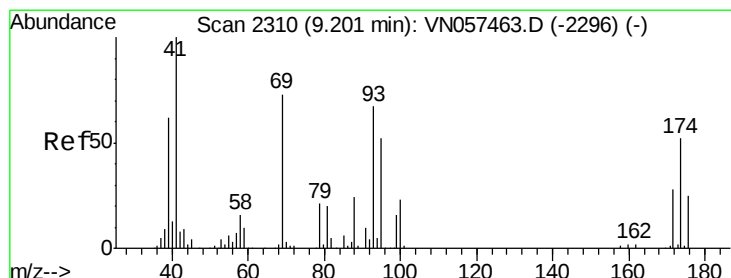
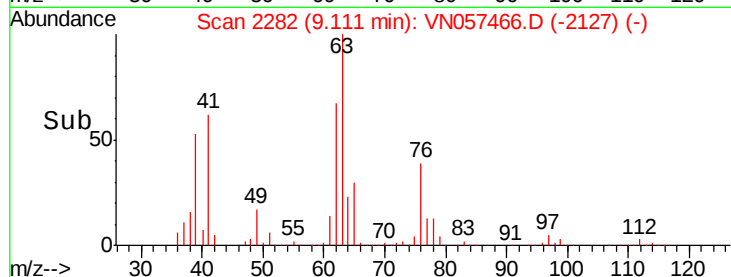
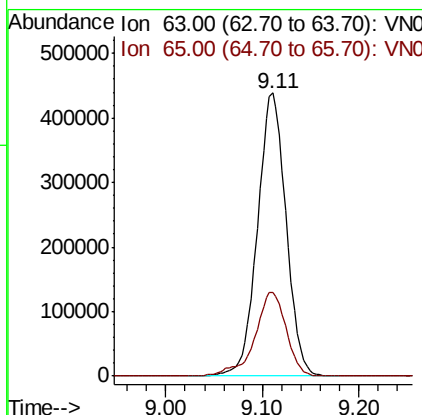
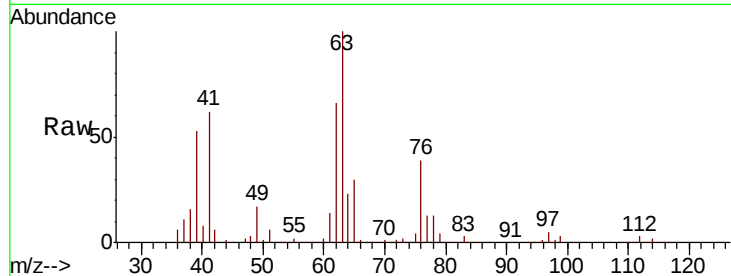




#39
 1,2-Dichloropropane
 Concen: 174.590 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

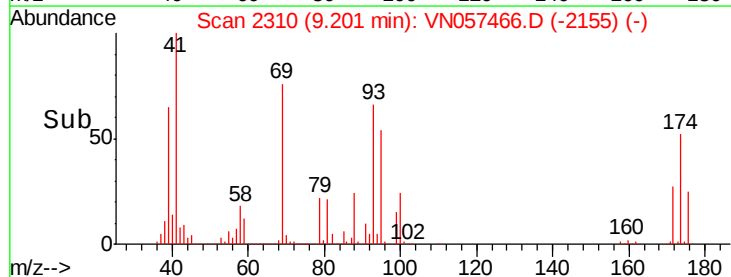
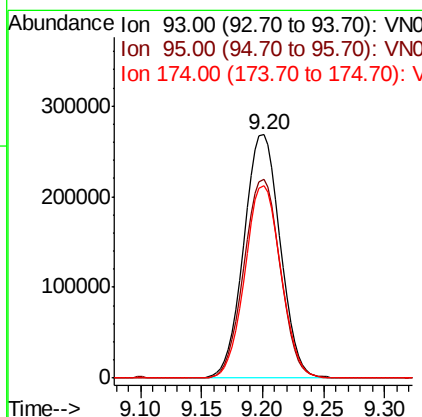
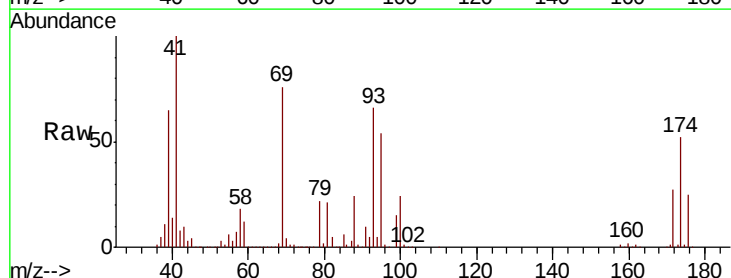
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

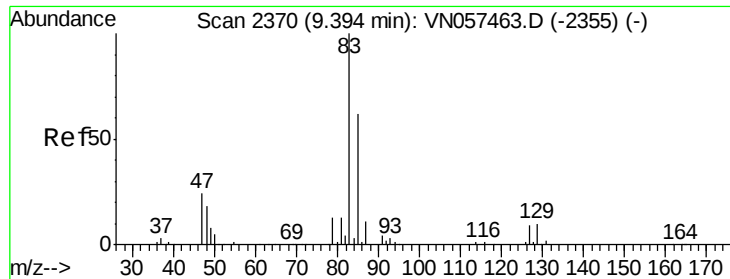
Tgt Ion: 63 Resp: 897303
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.6 32.4



#40
 Dibromomethane
 Concen: 165.164 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 93 Resp: 552875
 Ion Ratio Lower Upper
 93 100
 95 81.4 0.0 160.8
 174 78.3 0.0 157.2





#41

Bromodichloromethane

Concen: 174.528 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

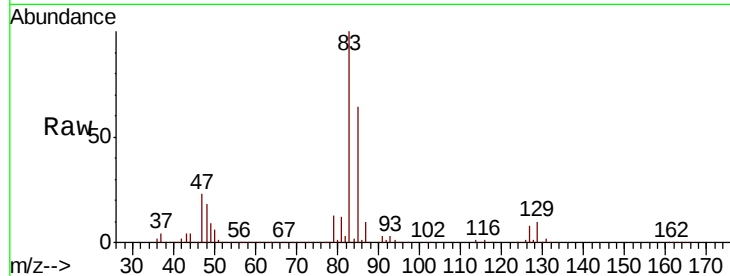
Tgt Ion: 83 Resp: 1190676

Ion Ratio Lower Upper

83 100

85 64.1 49.8 74.8

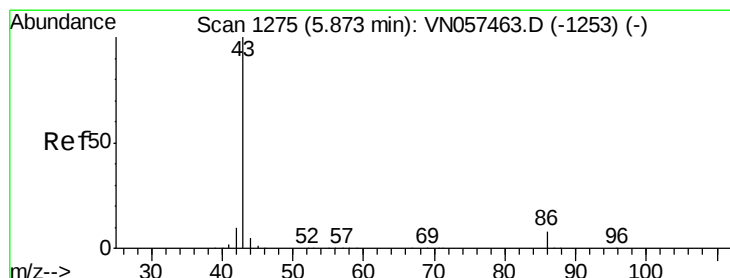
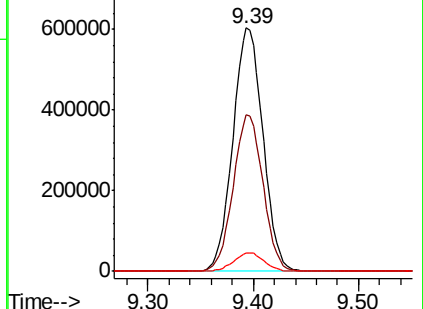
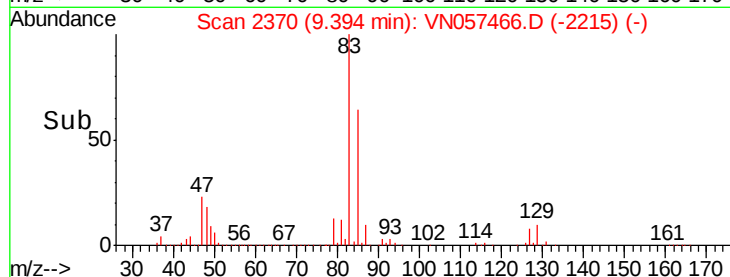
127 7.6 7.6 11.4#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 1029.641 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057466.D

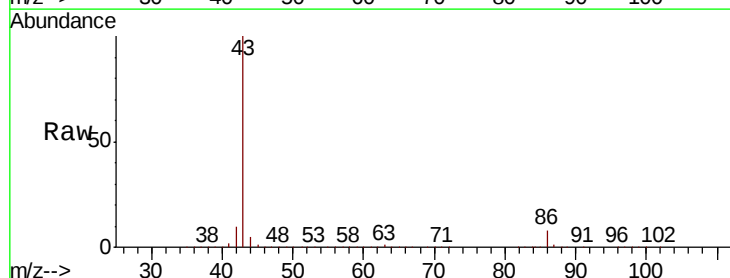
Acq: 23 Aug 2019 10:54

Tgt Ion: 43 Resp: 11844523

Ion Ratio Lower Upper

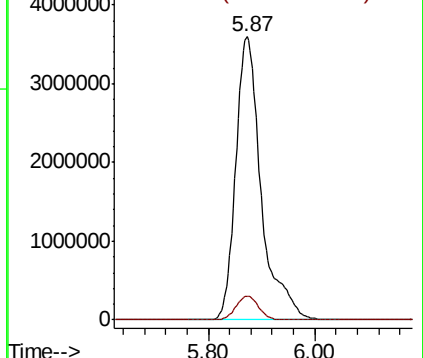
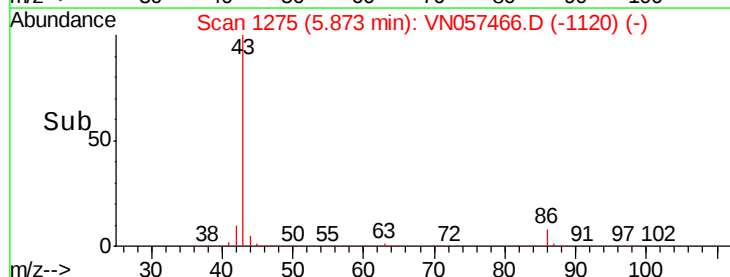
43 100

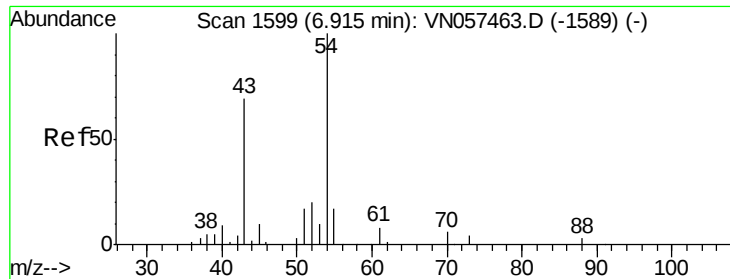
86 7.5 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 194.417 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

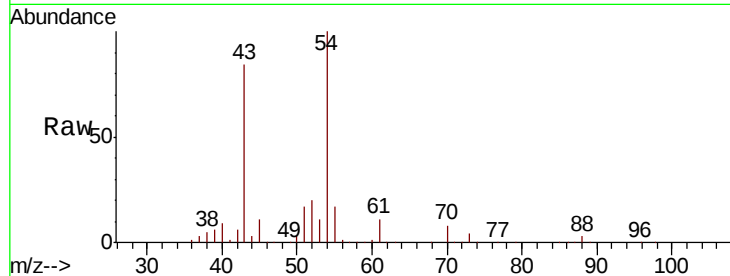
VSTDIC150

Tgt Ion: 43 Resp: 1063364

Ion Ratio Lower Upper

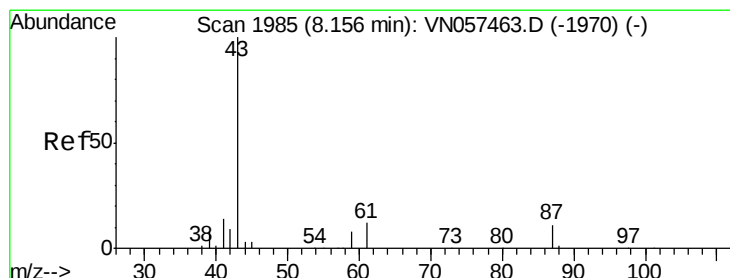
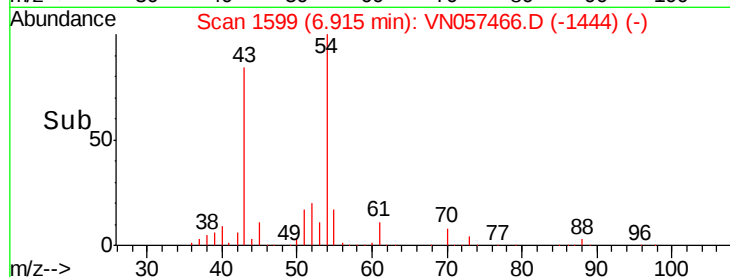
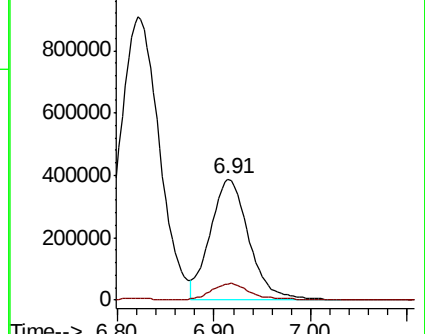
43 100

45 14.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 198.896 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057466.D

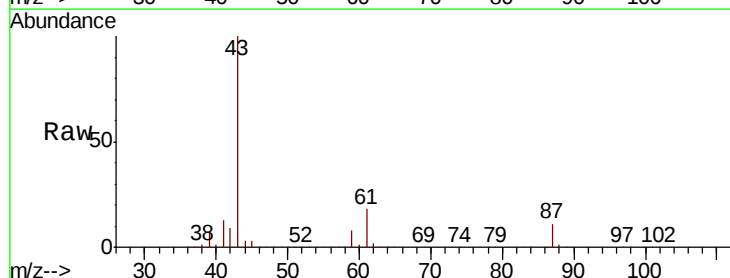
Acq: 23 Aug 2019 10:54

Tgt Ion: 43 Resp: 1948078

Ion Ratio Lower Upper

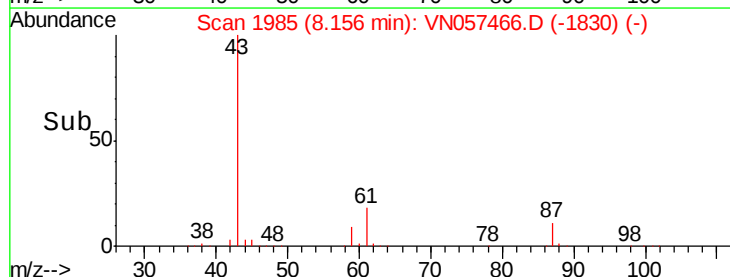
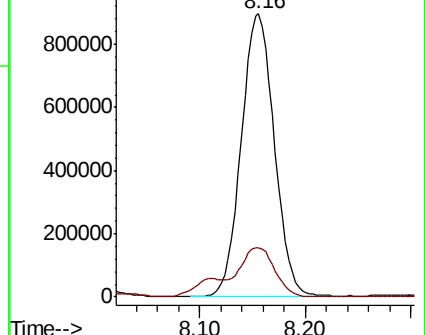
43 100

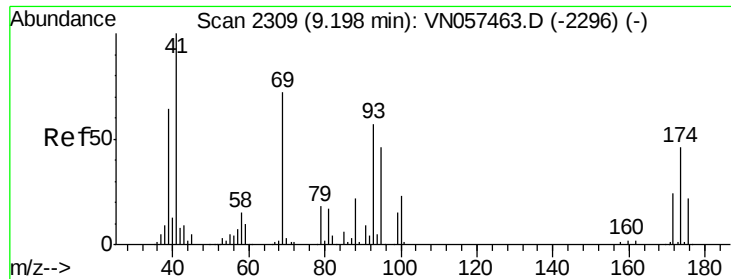
61 18.1 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

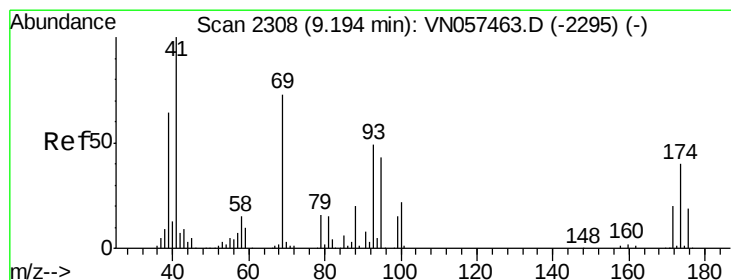
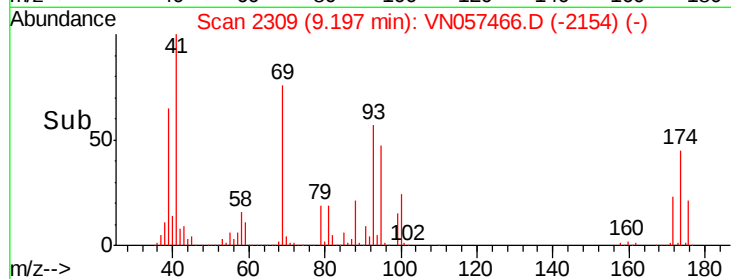
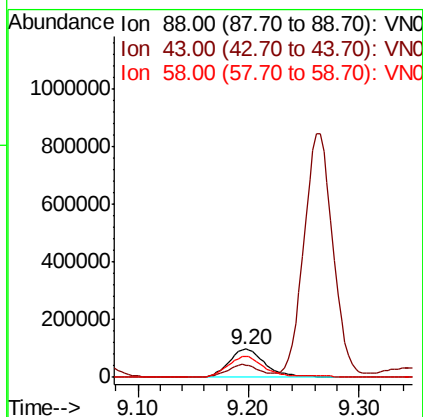
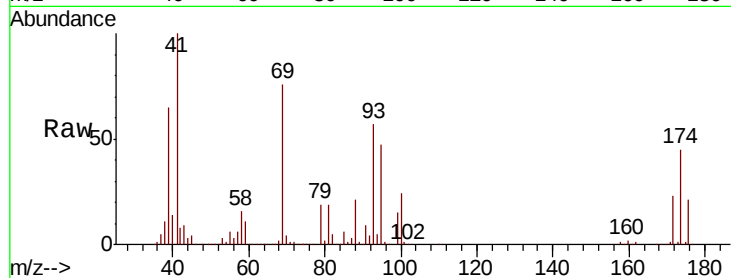




#45
 1,4-Dioxane
 Concen: 2720.637 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

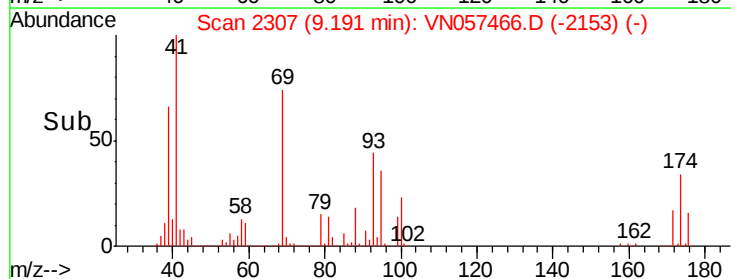
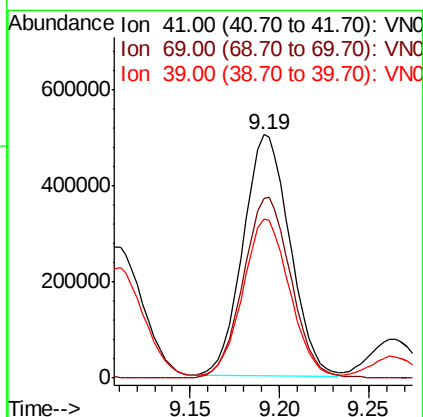
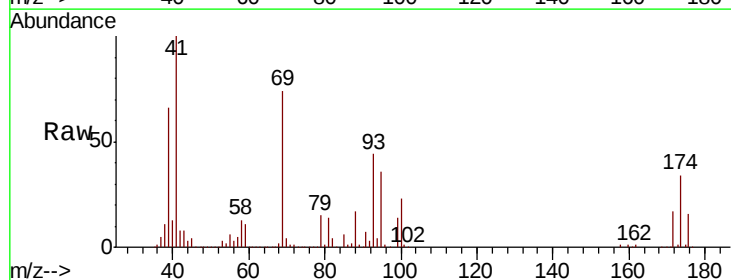
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

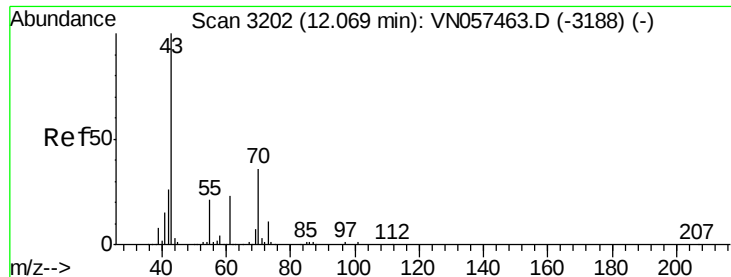
Tgt Ion: 88 Resp: 227979
 Ion Ratio Lower Upper
 88 100
 43 38.4 29.8 44.6
 58 71.9 62.2 93.2



#46
 Methyl methacrylate
 Concen: 206.775 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 41 Resp: 920721
 Ion Ratio Lower Upper
 41 100
 69 74.4 36.5 109.5
 39 65.0 32.1 96.3

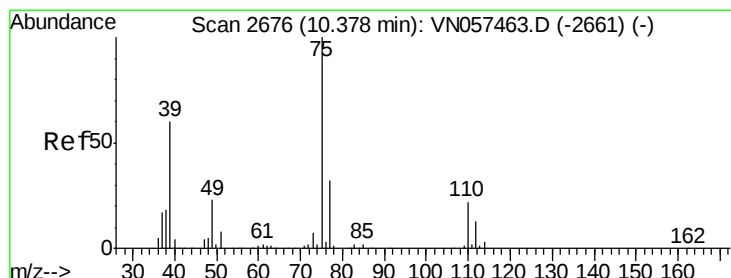
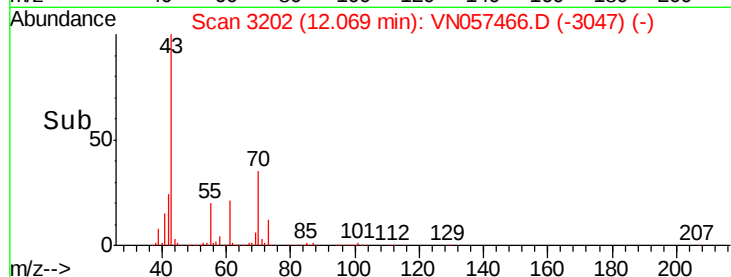
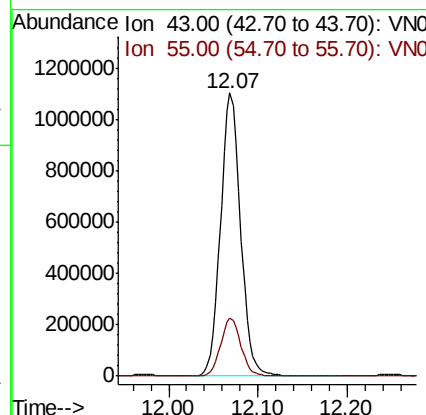
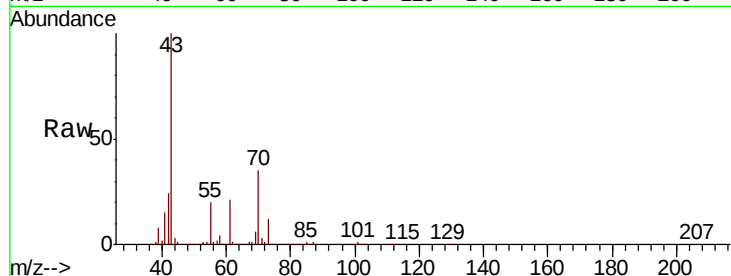




#47
n-amyl Acetate
Concen: 231.956 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

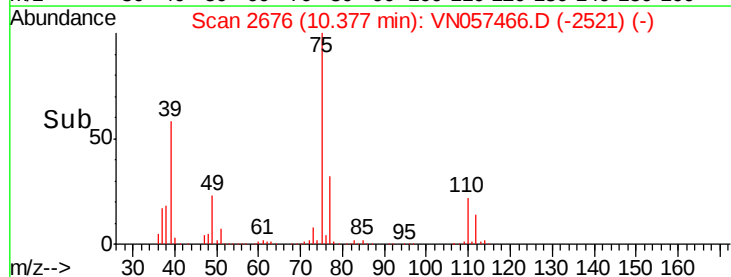
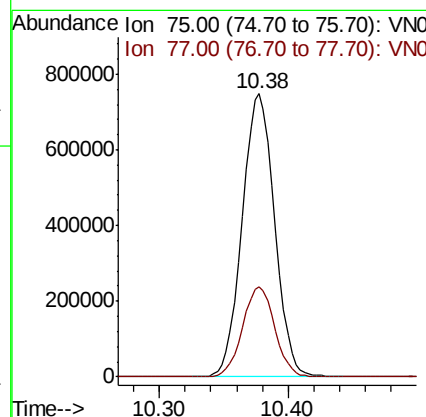
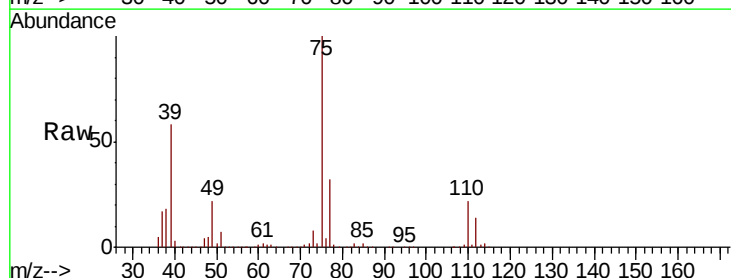
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

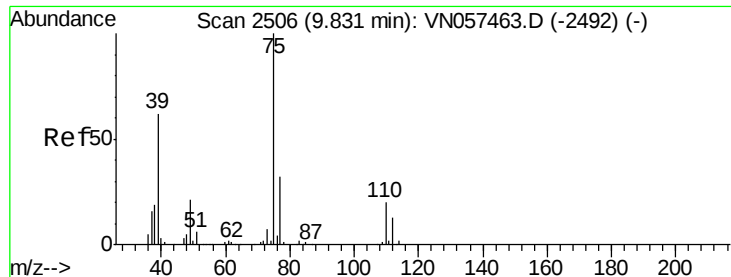
Tgt Ion: 43 Resp: 1710138
Ion Ratio Lower Upper
43 100
55 20.8 17.0 25.6



#48
t-1,3-Dichloropropene
Concen: 178.401 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 75 Resp: 1306871
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

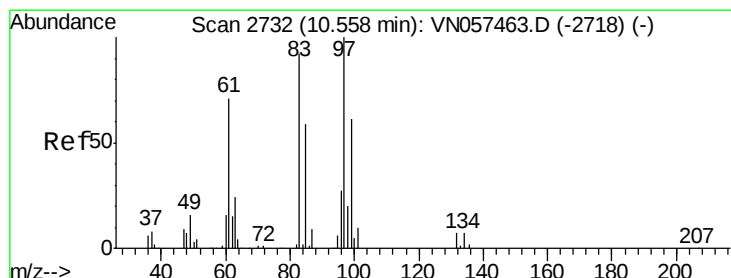
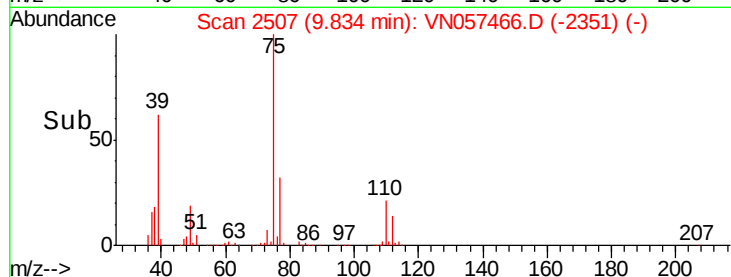
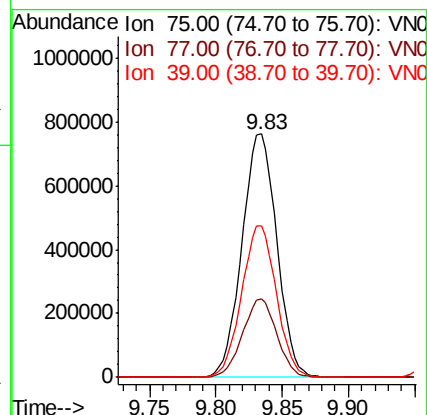
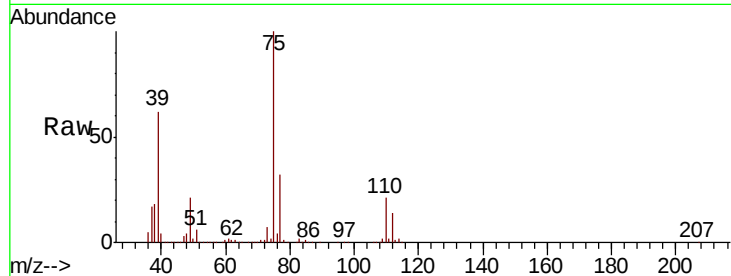




#49
 cis-1,3-Dichloropropene
 Concen: 171.195 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

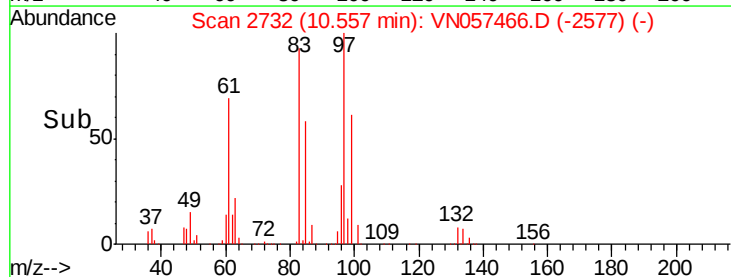
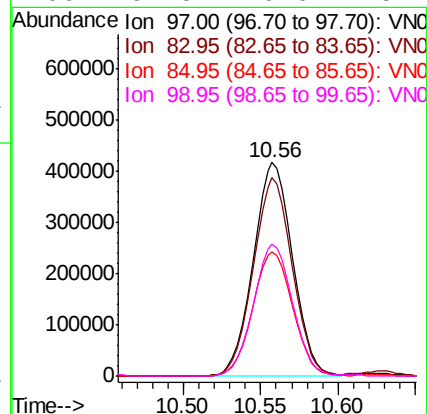
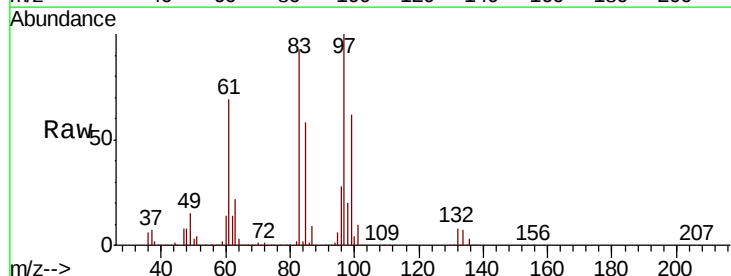
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

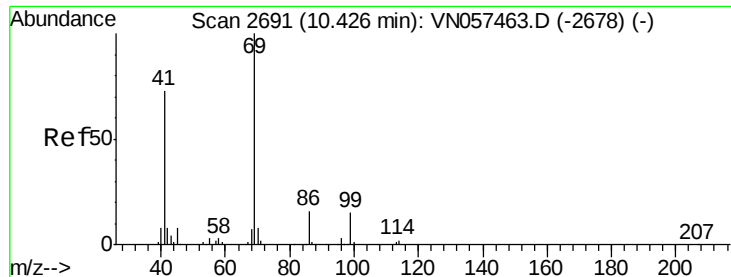
Tgt Ion: 75 Resp: 1395978
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 62.3 49.8 74.6



#50
 1,1,2-Trichloroethane
 Concen: 154.352 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 97 Resp: 738352
 Ion Ratio Lower Upper
 97 100
 83 92.7 73.2 109.8
 85 58.2 47.1 70.7
 99 61.8 49.0 73.4





#51

Ethyl methacrylate

Concen: 178.096 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

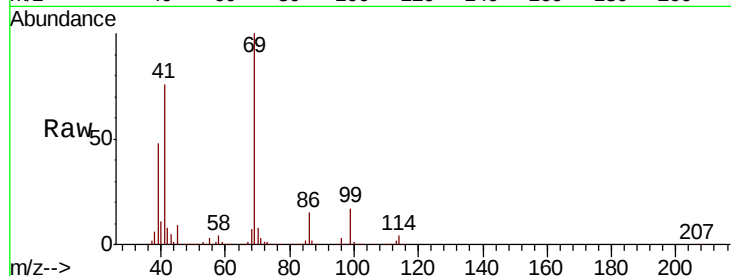
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 69 Resp: 1267175

Ion	Ratio	Lower	Upper
69	100		
41	76.1	37.0	111.1
39	47.6	24.4	73.4

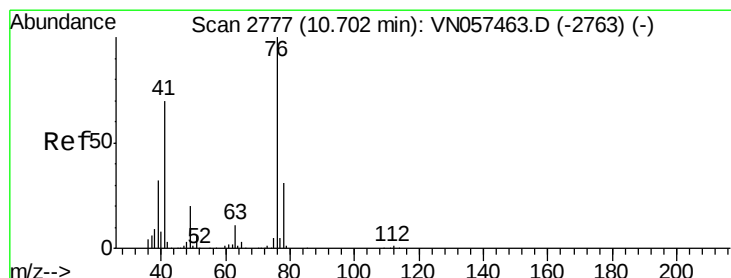
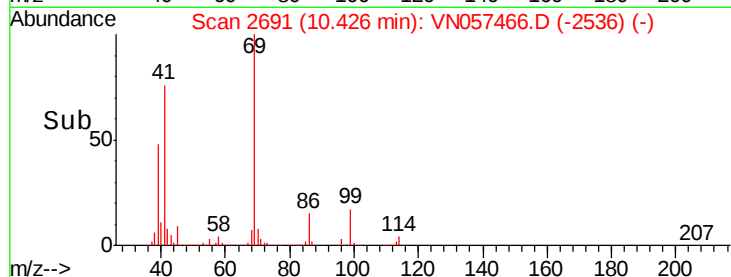
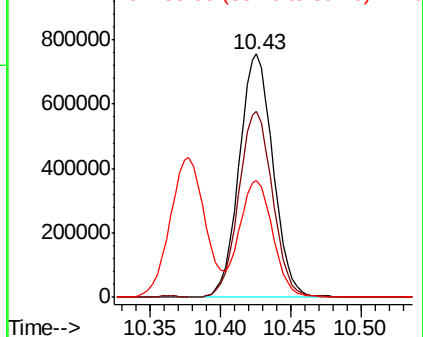


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 165.950 ug/l

RT: 10.70 min Scan# 2777

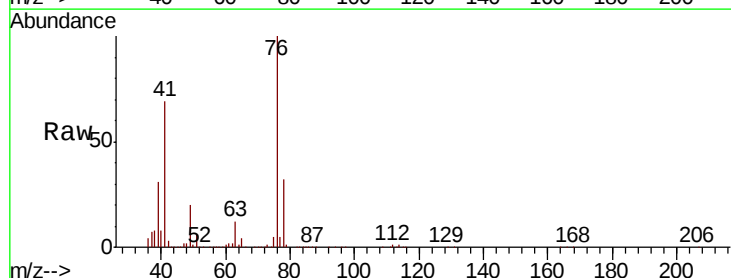
Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Tgt Ion: 76 Resp: 1326944

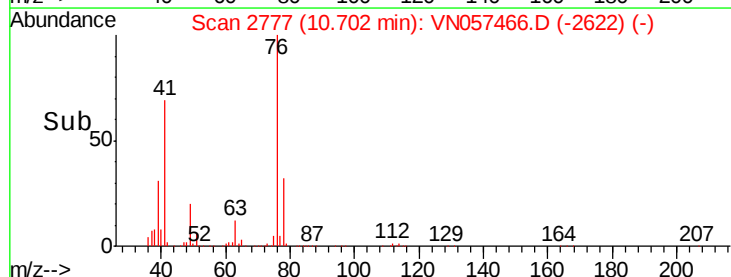
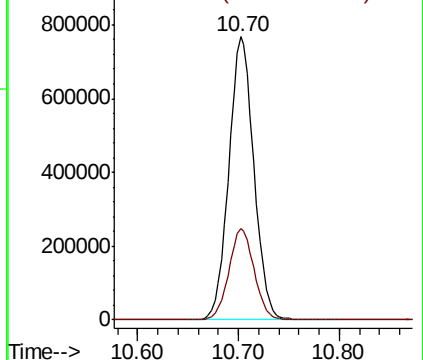
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.0

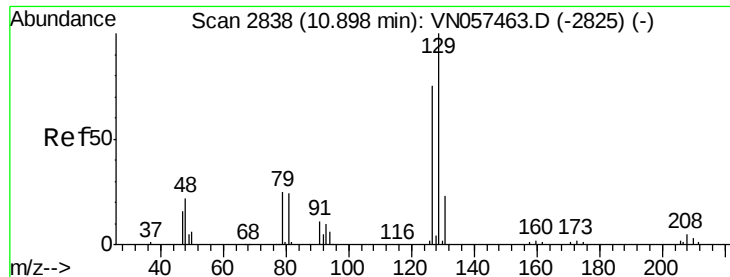


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 152.448 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

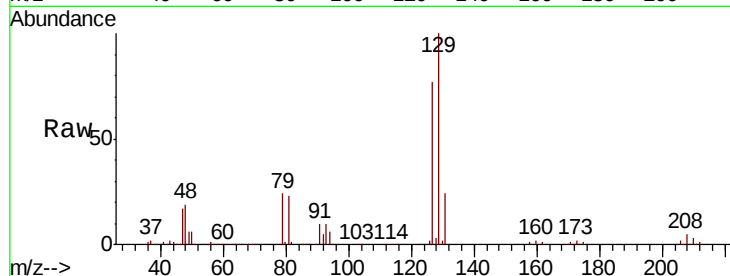
VSTDIC150

Tgt Ion:129 Resp: 824069

Ion Ratio Lower Upper

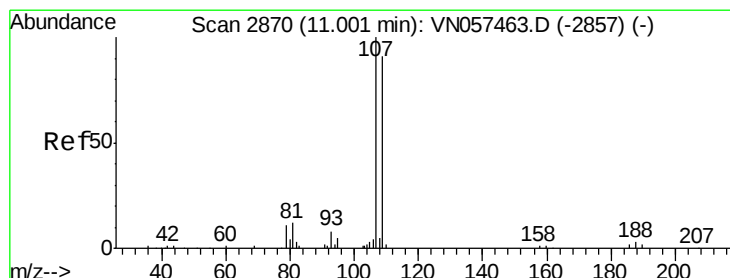
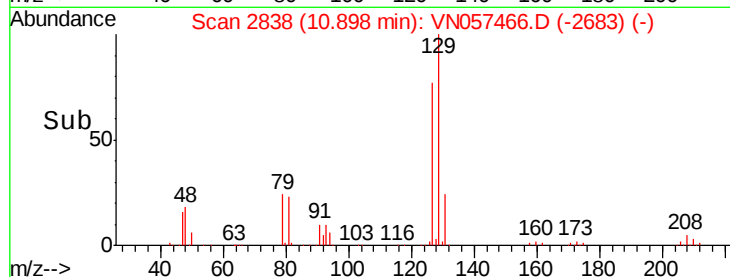
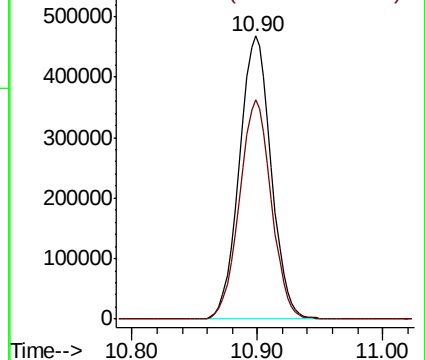
129 100

127 77.7 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 154.571 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057466.D

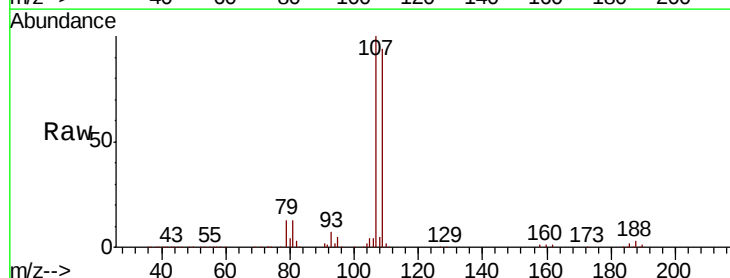
Acq: 23 Aug 2019 10:54

Tgt Ion:107 Resp: 768344

Ion Ratio Lower Upper

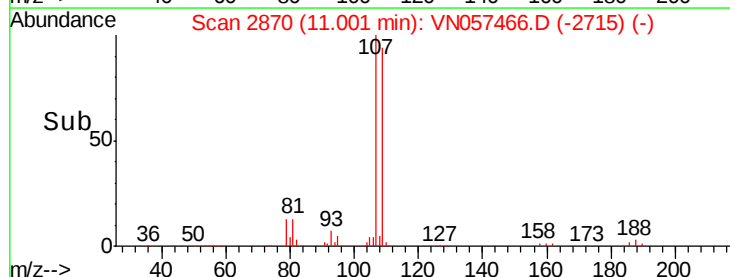
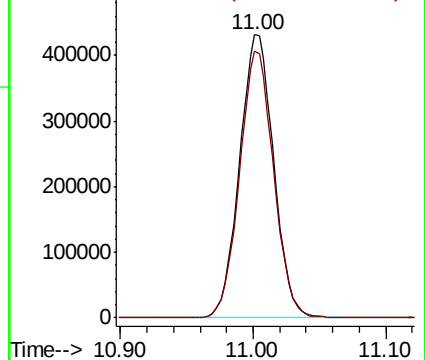
107 100

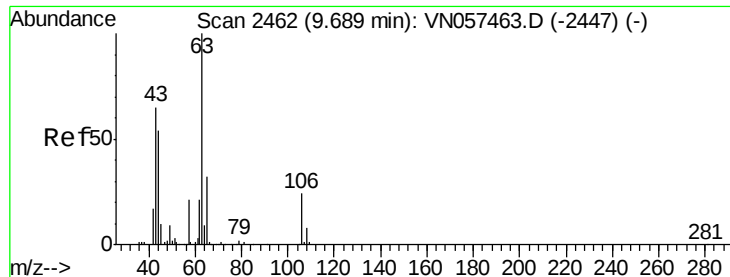
109 94.0 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 1076.852 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

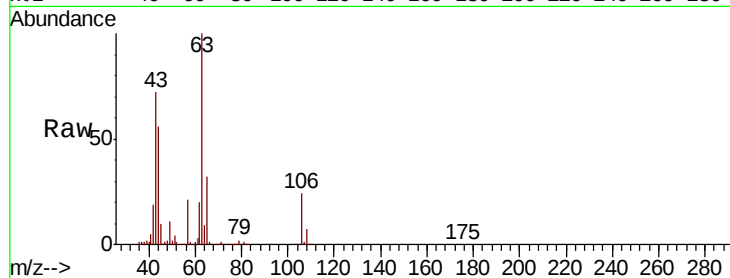
Tgt Ion: 63 Resp: 1790283

Ion Ratio Lower Upper

63 100

65 32.3 25.1 37.7

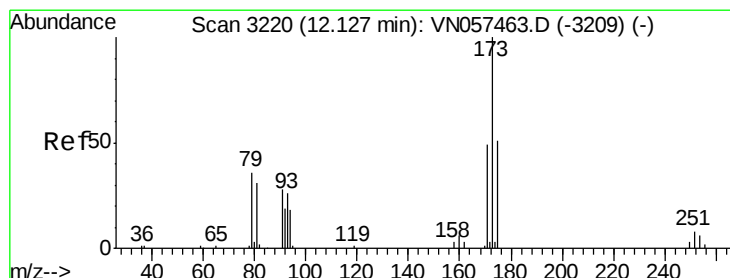
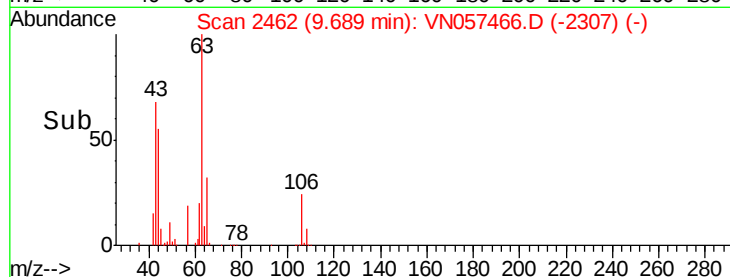
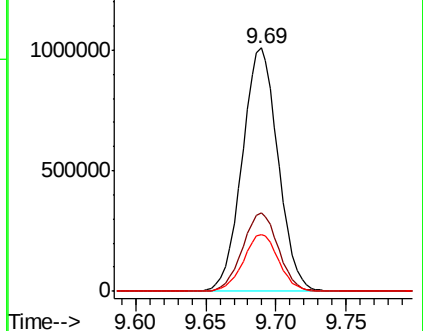
106 23.1 18.7 28.1



Abundance Ion 63.00 (62.70 to 63.70): VN057466.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN057466.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN057466.D (-2307) (-)



#56

Bromoform

Concen: 132.494 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

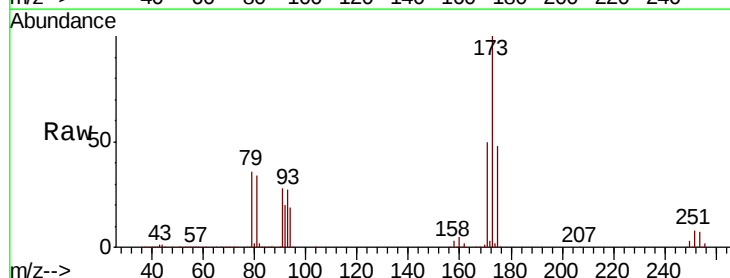
Tgt Ion: 173 Resp: 521213

Ion Ratio Lower Upper

173 100

175 48.4 40.1 60.1

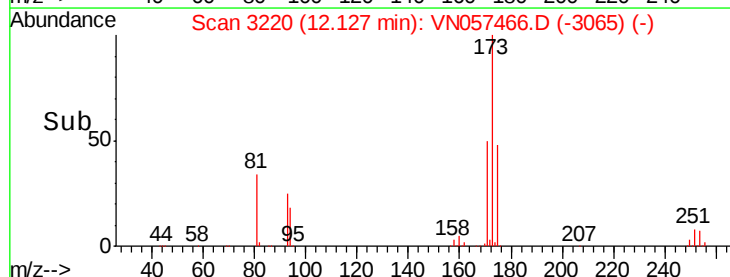
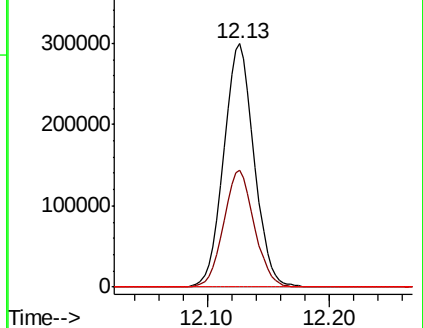
254 0.0 0.0 0.0#

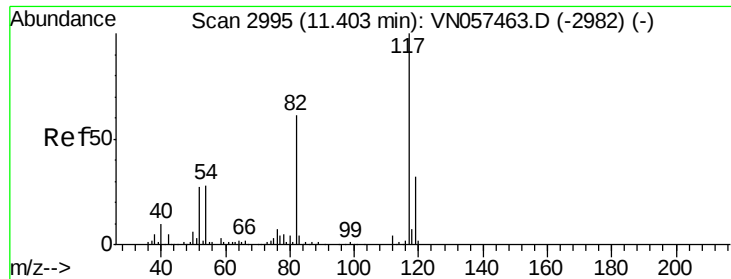


Abundance Ion 173.00 (172.70 to 173.70): VN057466.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN057466.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN057466.D (-3065) (-)





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

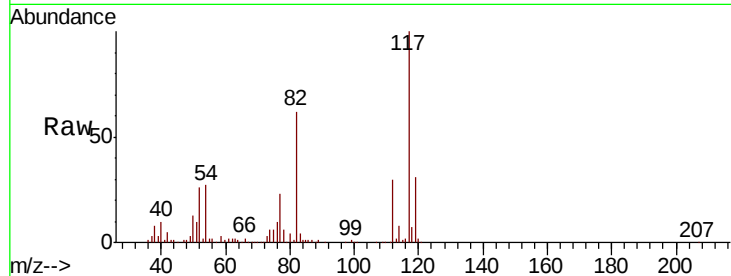
Tgt Ion: 117 Resp: 394617

Ion Ratio Lower Upper

117 100

82 62.1 50.4 75.6

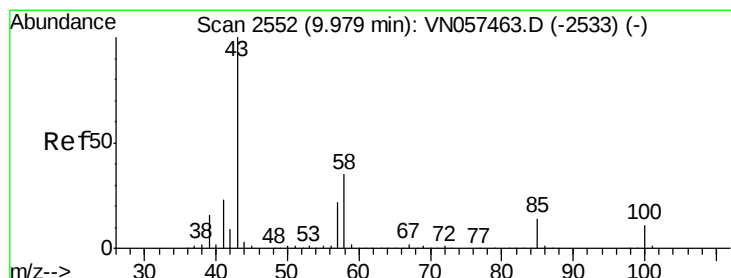
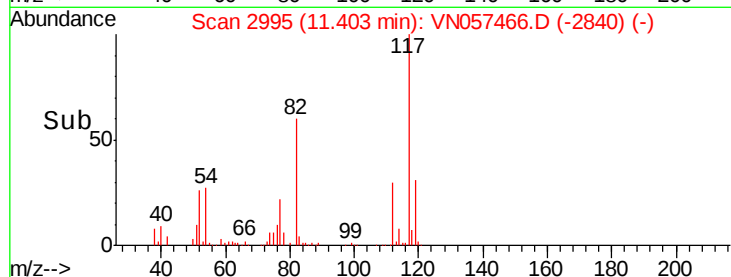
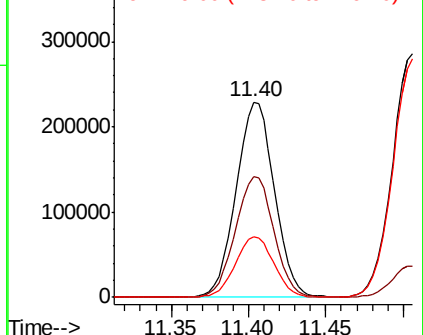
119 31.3 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 977.757 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

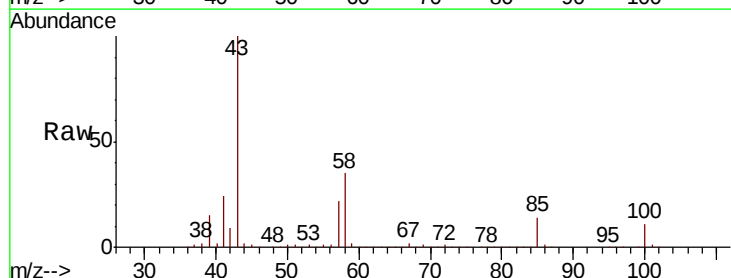
Tgt Ion: 43 Resp: 5549934

Ion Ratio Lower Upper

43 100

58 34.7 28.0 42.0

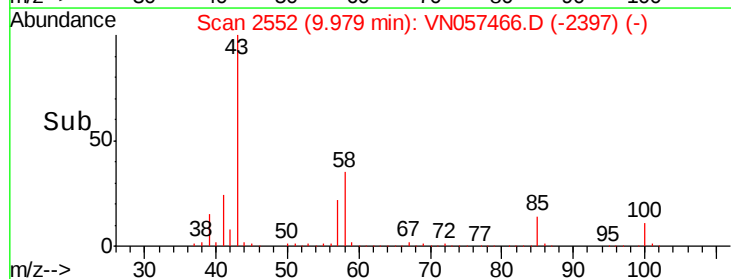
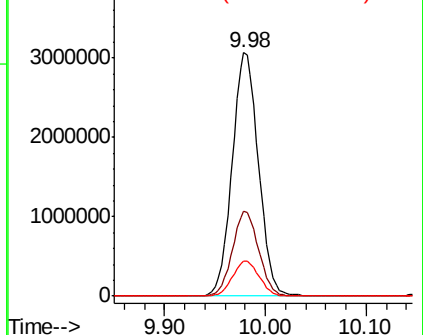
85 14.5 11.3 16.9

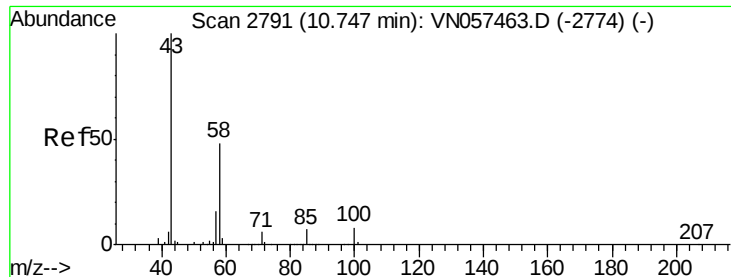


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

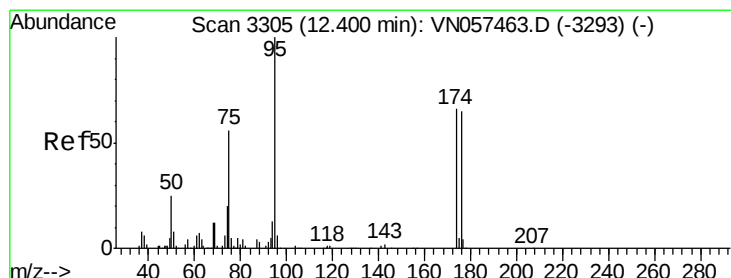
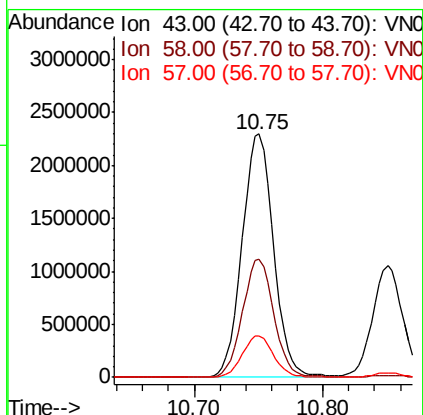
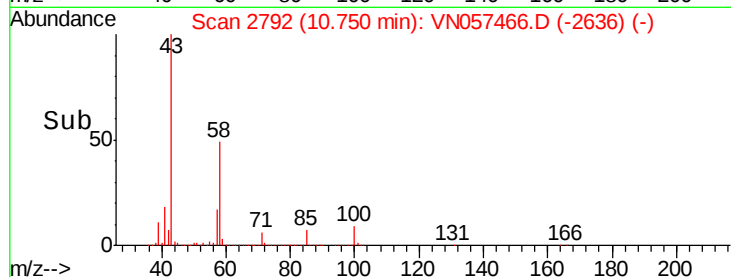
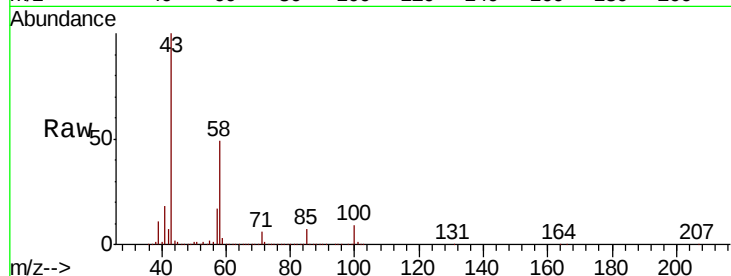




#59
2-Hexanone
Concen: 965.109 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

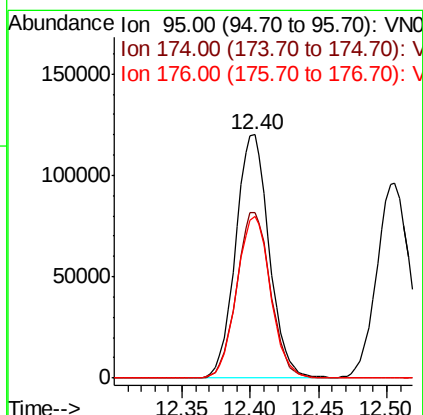
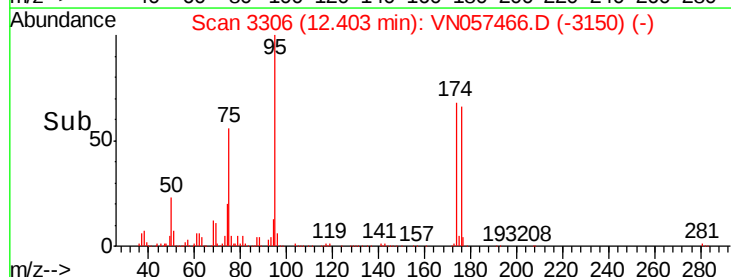
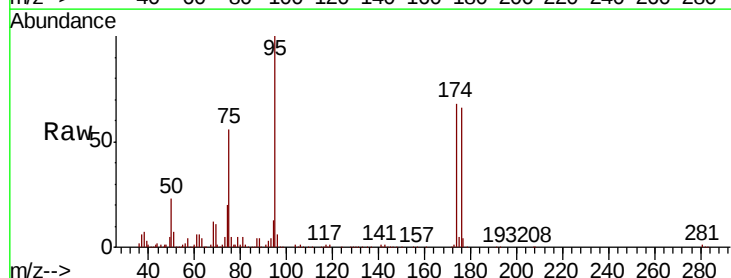
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

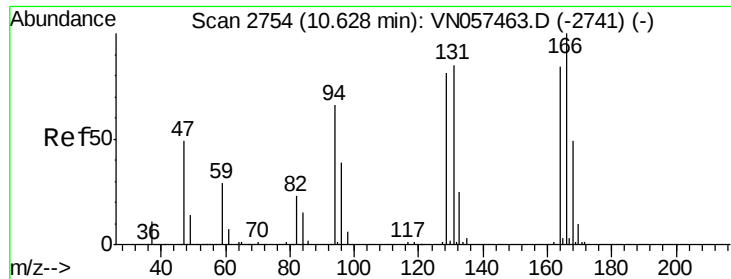
Tgt Ion: 43 Resp: 3898385
Ion Ratio Lower Upper
43 100
58 48.5 38.9 58.3
57 17.1 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 34.724 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 95 Resp: 205129
Ion Ratio Lower Upper
95 100
174 68.3 54.9 82.3
176 66.7 54.2 81.4

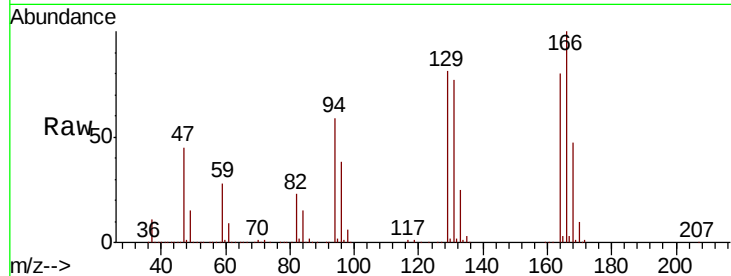




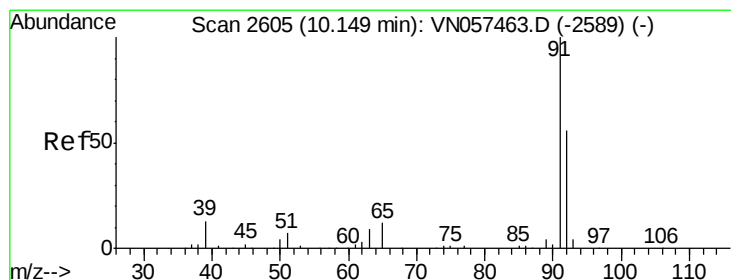
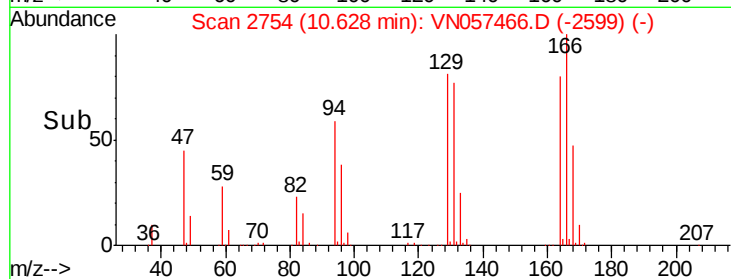
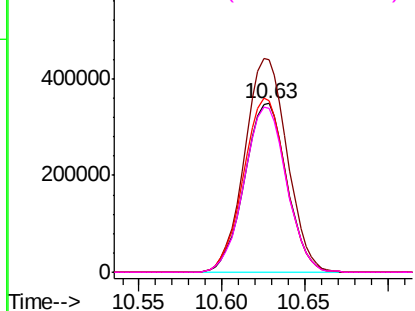
#61
Tetrachloroethene
Concen: 112.997 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:164 Resp: 617817
Ion Ratio Lower Upper
164 100
166 125.8 95.8 143.6
129 101.3 77.2 115.8
131 97.2 81.1 121.7

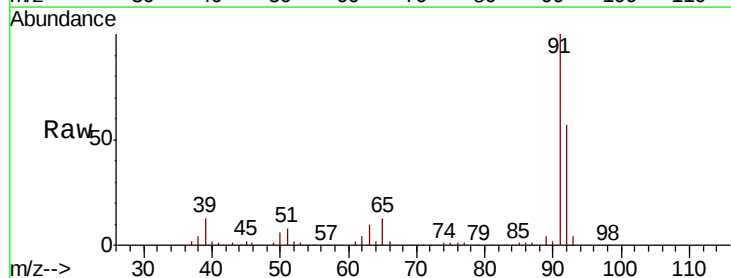


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

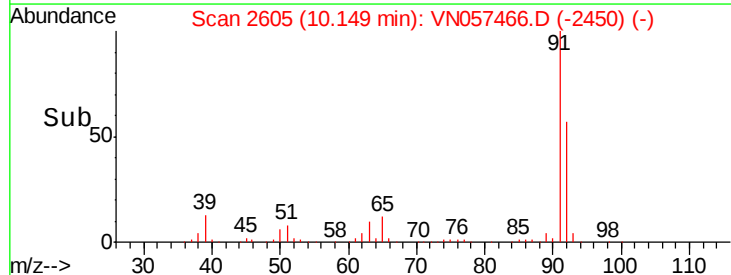
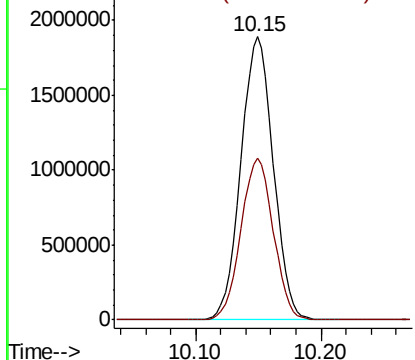


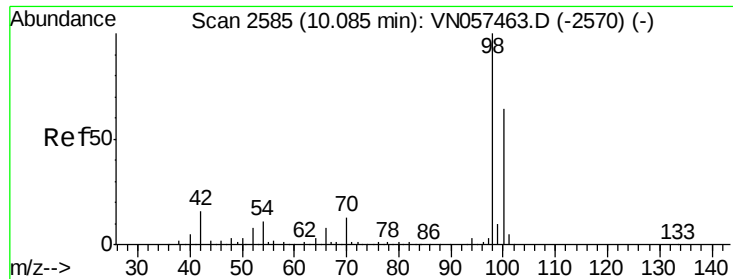
#62
Toluene
Concen: 153.713 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 91 Resp: 3397481
Ion Ratio Lower Upper
91 100
92 57.1 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.602 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

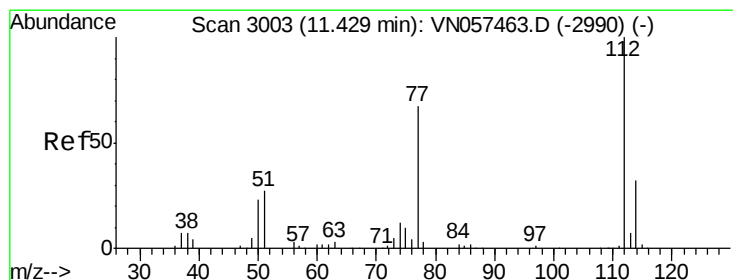
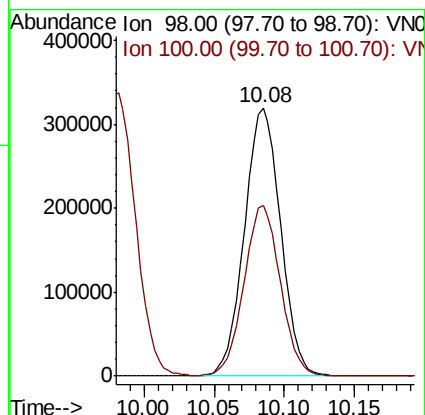
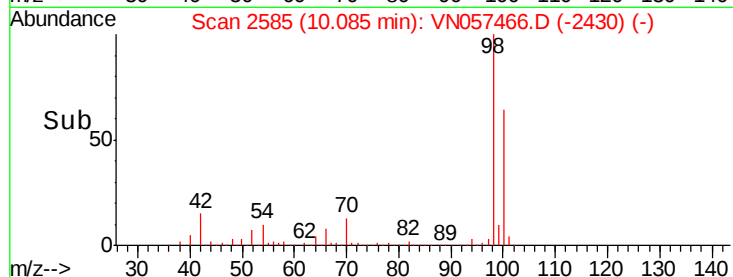
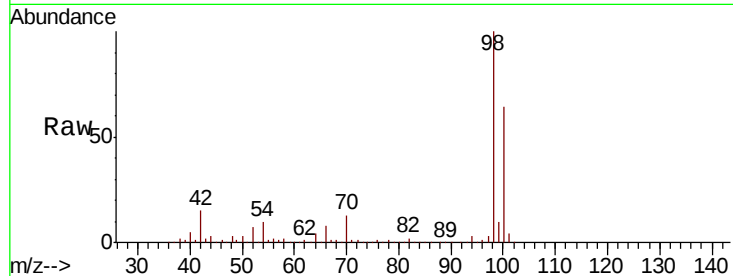
VSTDIC150

Tgt Ion: 98 Resp: 576842

Ion Ratio Lower Upper

98 100

100 64.1 51.0 76.6



#64

Chlorobenzene

Concen: 143.985 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057466.D

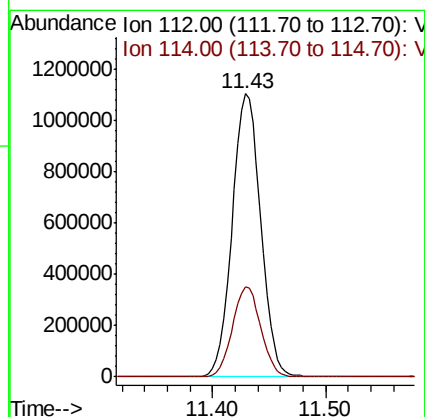
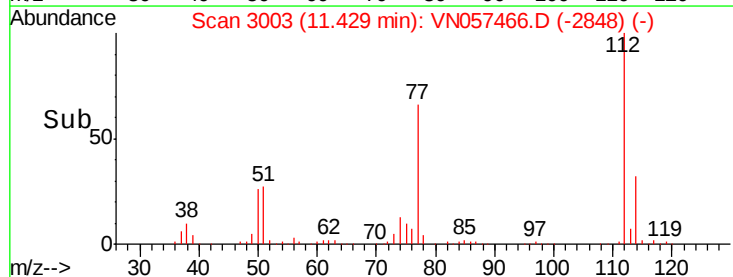
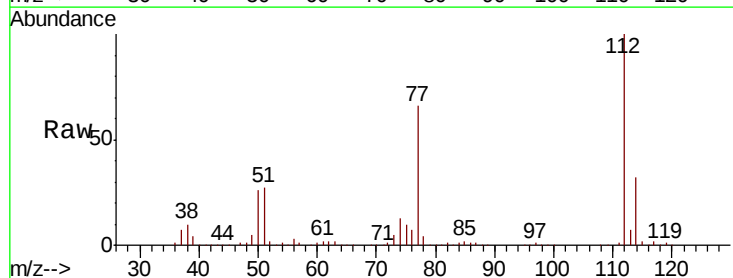
Acq: 23 Aug 2019 10:54

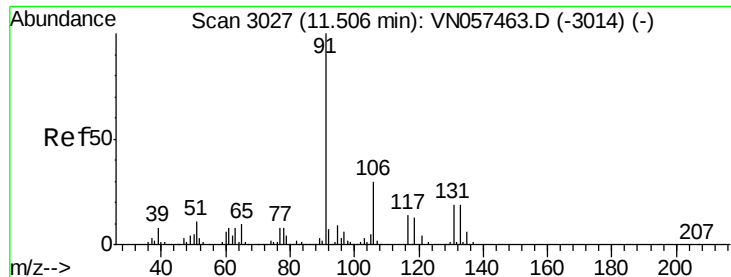
Tgt Ion: 112 Resp: 1942202

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 136.532 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

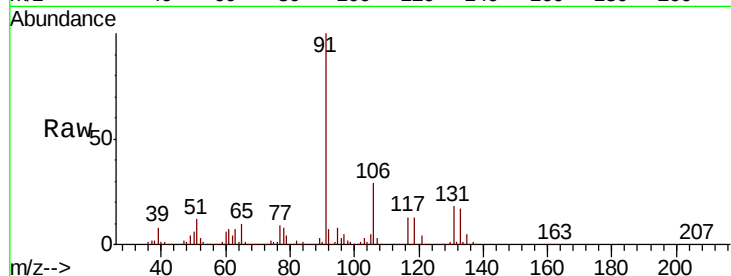
Tgt Ion:131 Resp: 709414

Ion Ratio Lower Upper

131 100

133 94.8 0.0 193.6

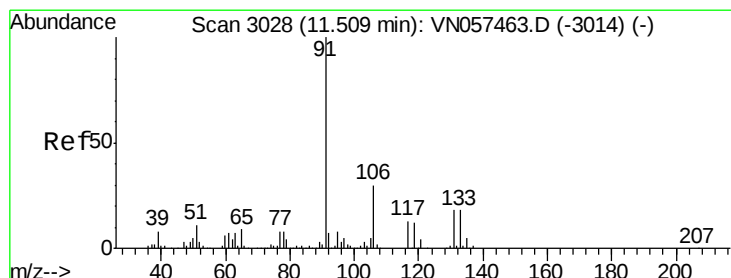
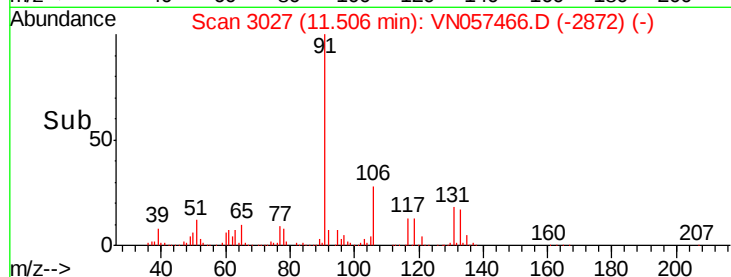
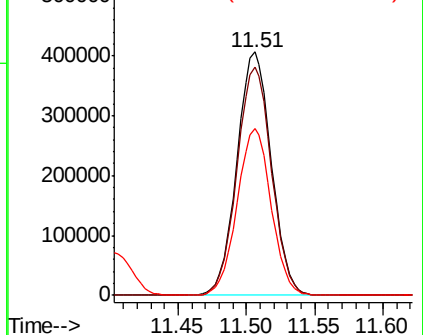
119 67.9 0.0 137.4



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: 156.260 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057466.D

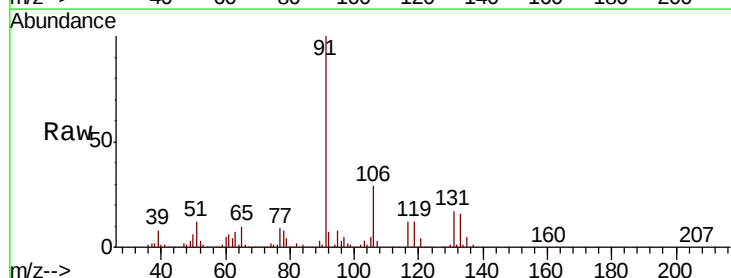
Acq: 23 Aug 2019 10:54

Tgt Ion: 91 Resp: 3754601

Ion Ratio Lower Upper

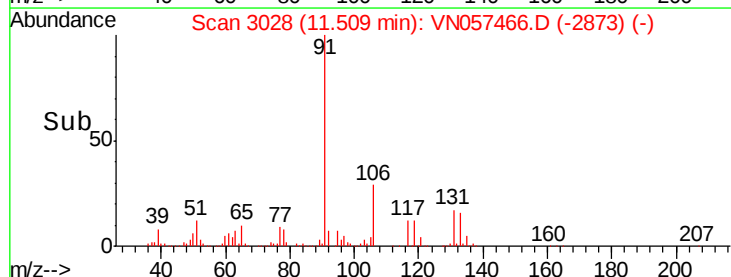
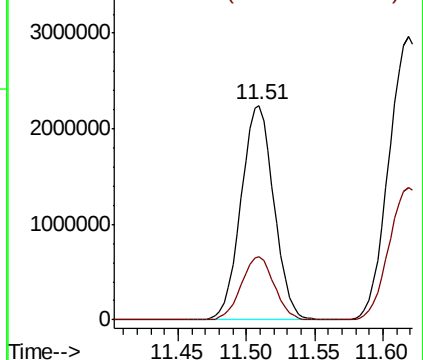
91 100

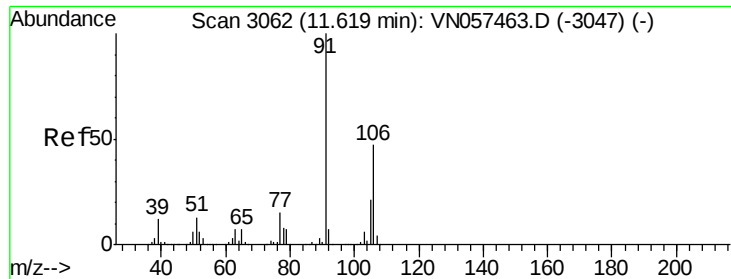
106 29.2 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 305.213 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

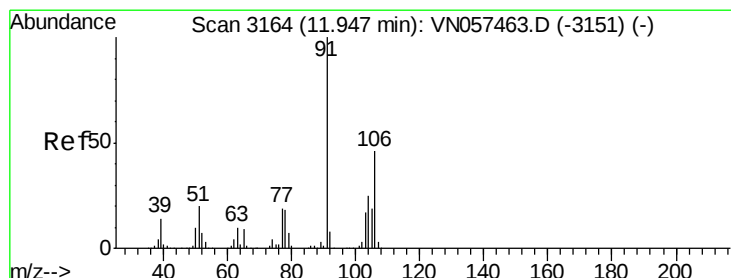
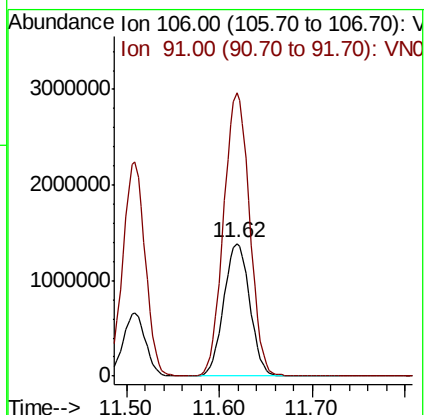
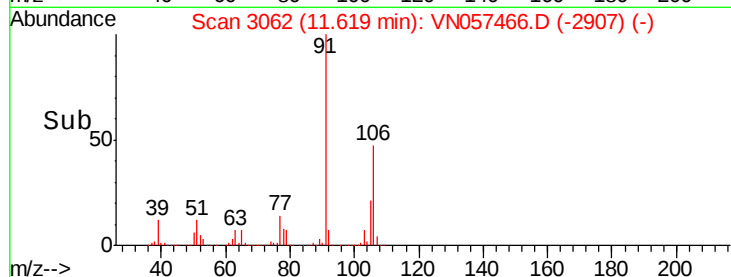
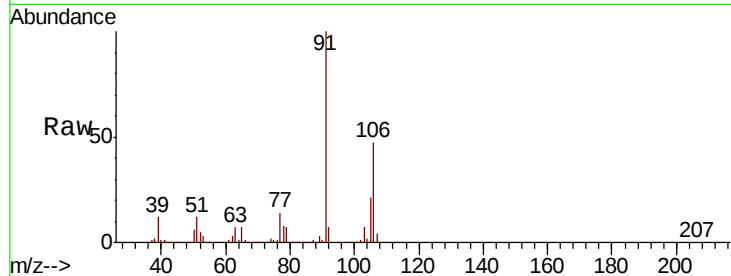
VSTDIC150

Tgt Ion:106 Resp: 2697148

Ion Ratio Lower Upper

106 100

91 213.5 172.9 259.3



#68

o-Xylene

Concen: 149.980 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057466.D

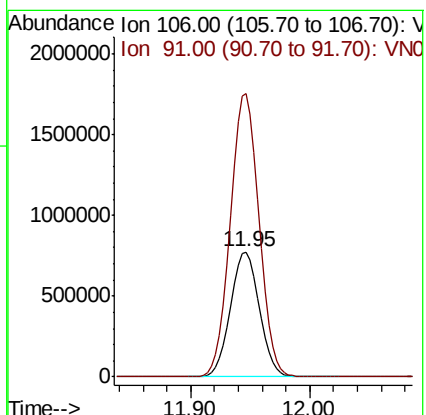
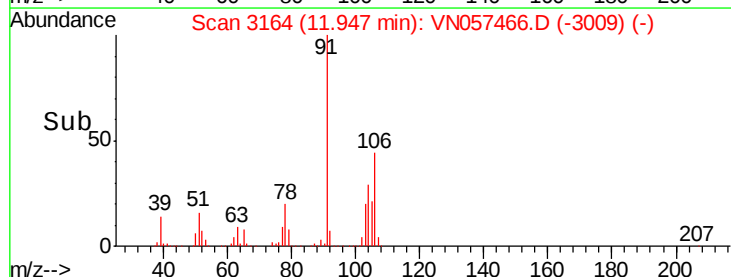
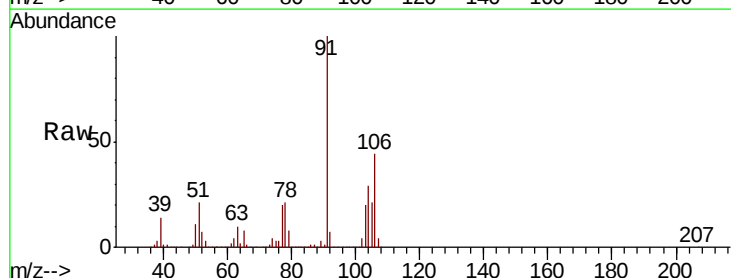
Acq: 23 Aug 2019 10:54

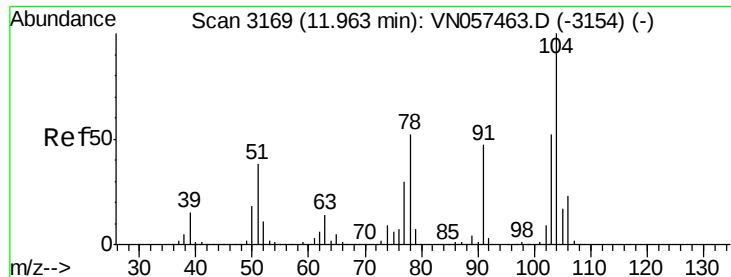
Tgt Ion:106 Resp: 1303808

Ion Ratio Lower Upper

106 100

91 225.3 111.1 333.4





#69

Styrene

Concen: 162.189 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

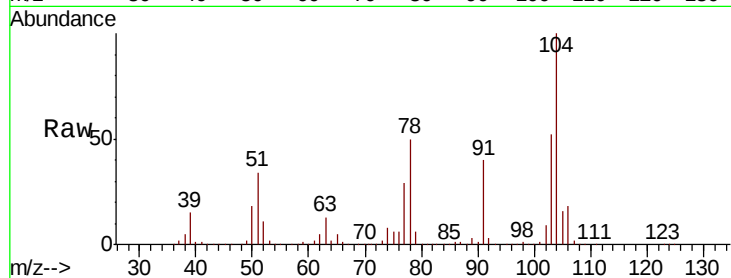
Tgt Ion:104 Resp: 2248802

Ion Ratio Lower Upper

104 100

78 56.3 46.5 69.7

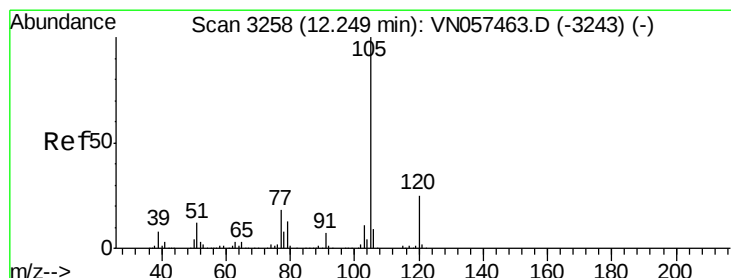
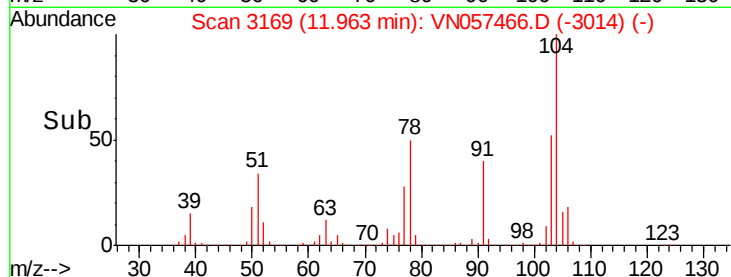
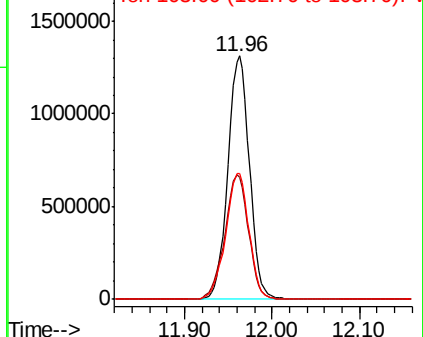
103 55.9 45.9 68.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 154.179 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057466.D

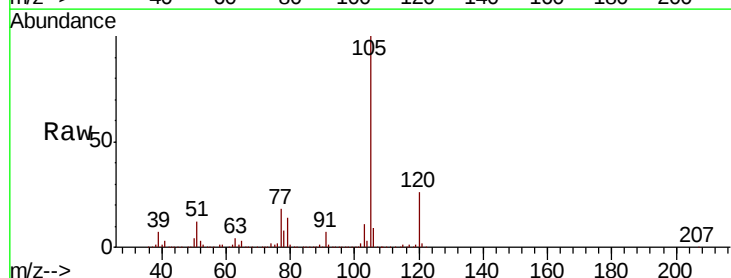
Acq: 23 Aug 2019 10:54

Tgt Ion:105 Resp: 3576924

Ion Ratio Lower Upper

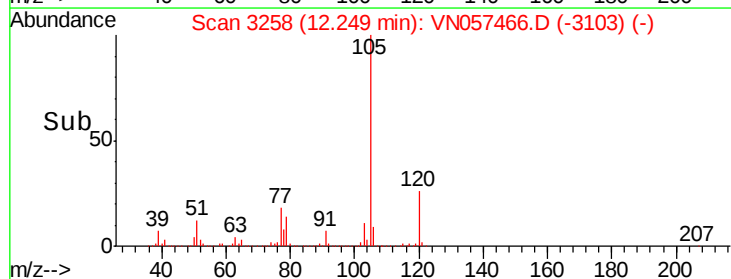
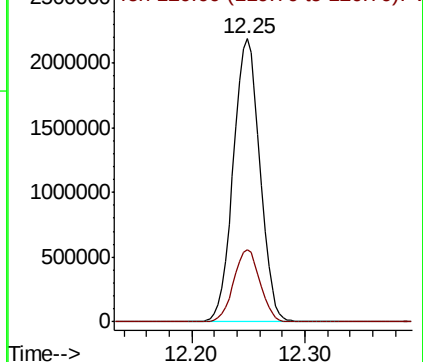
105 100

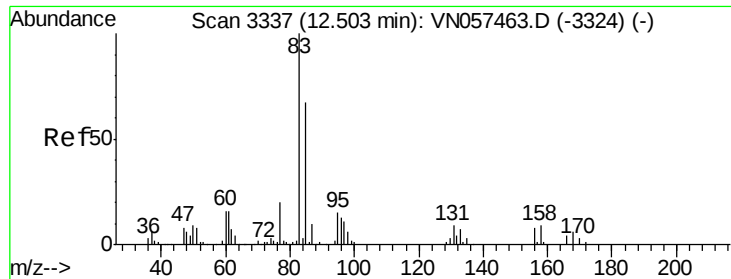
120 25.4 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

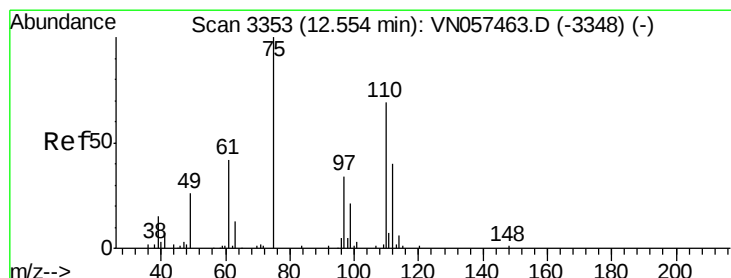
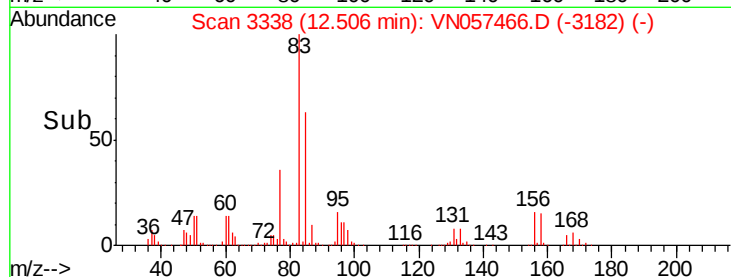
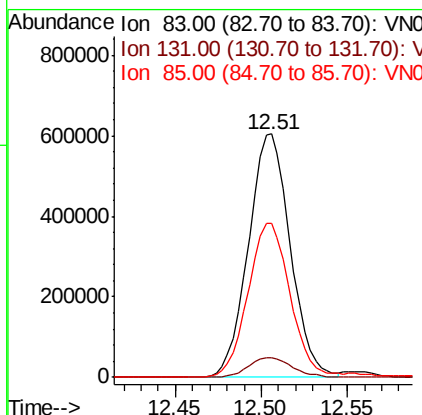
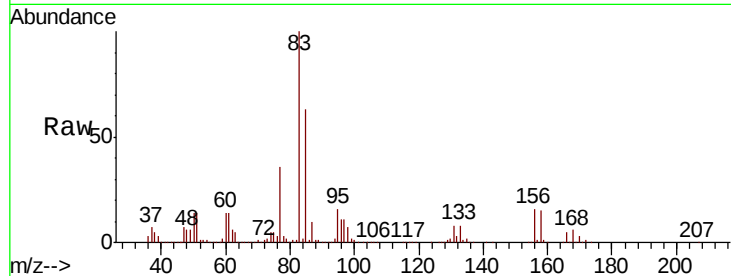




#71
 1,1,2,2-Tetrachloroethane
 Concen: 158.609 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

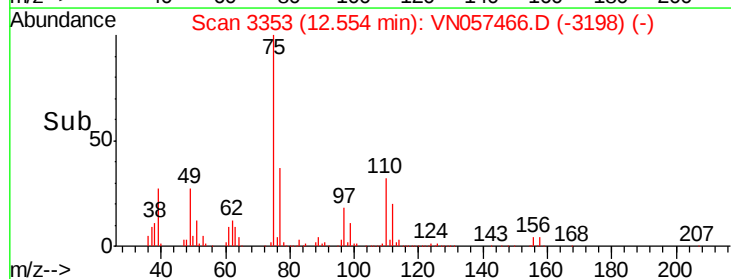
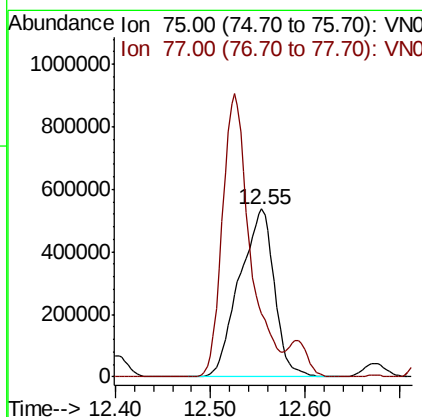
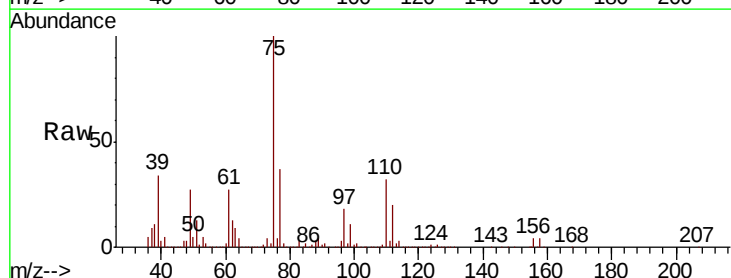
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

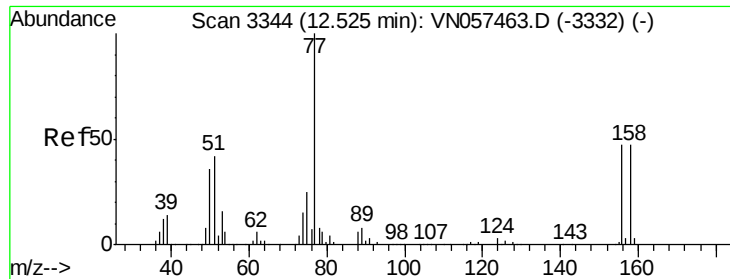
Tgt Ion: 83 Resp: 1019289
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.7 14.1
 85 63.8 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 250.421 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 75 Resp: 1379549
 Ion Ratio Lower Upper
 75 100
 77 134.5 0.0 380.2





#73

Bromobenzene

Concen: 125.995 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

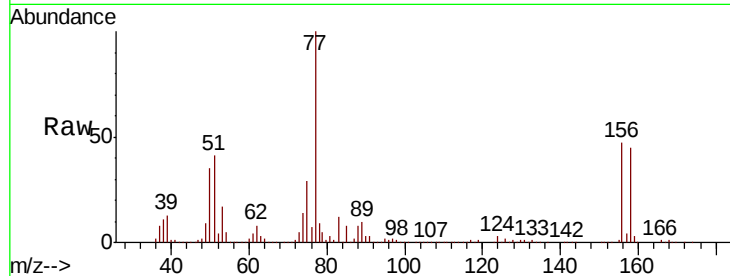
Tgt Ion:156 Resp: 741232

Ion Ratio Lower Upper

156 100

77 250.4 0.0 506.8

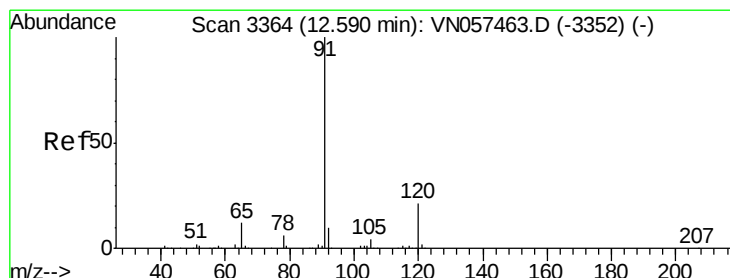
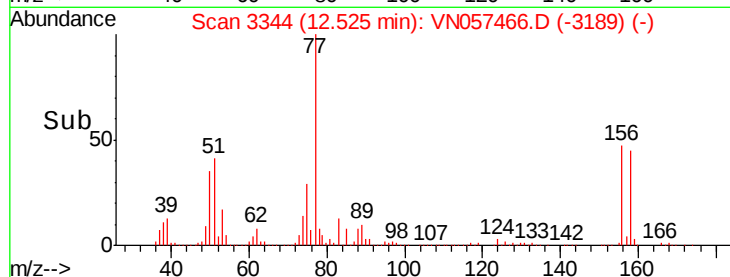
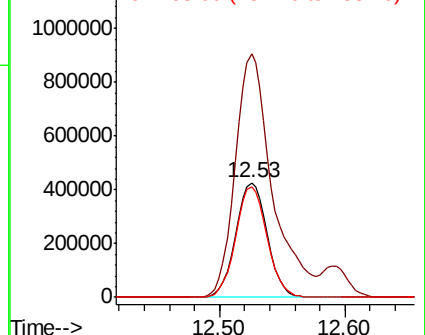
158 96.2 0.0 196.6



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: 172.668 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057466.D

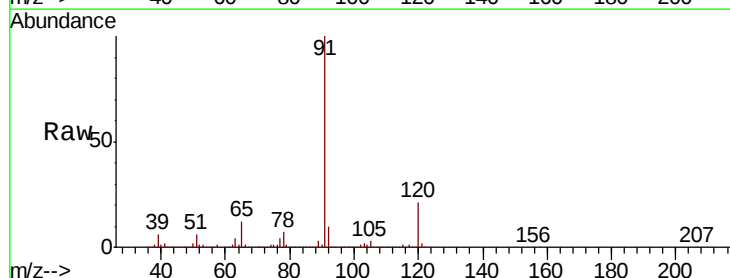
Acq: 23 Aug 2019 10:54

Tgt Ion: 91 Resp: 4247363

Ion Ratio Lower Upper

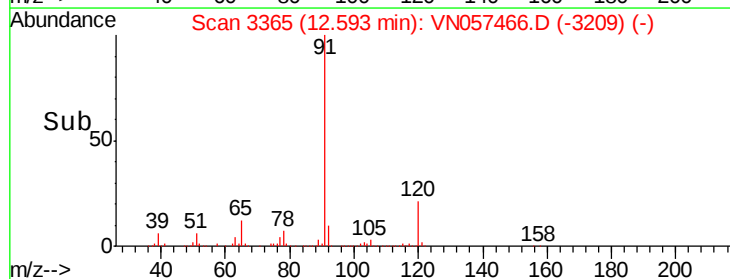
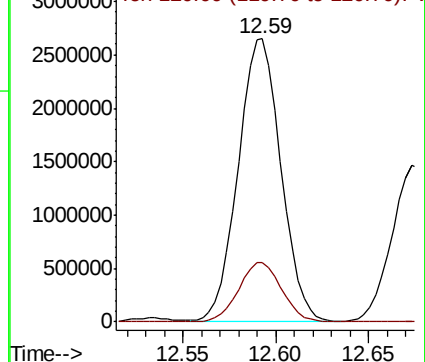
91 100

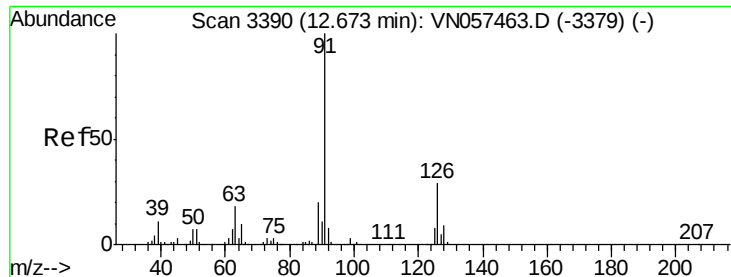
120 21.0 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 162.856 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

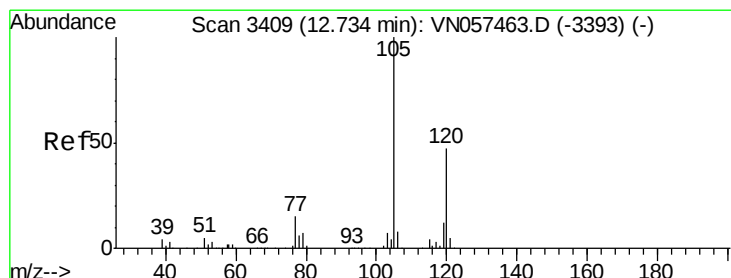
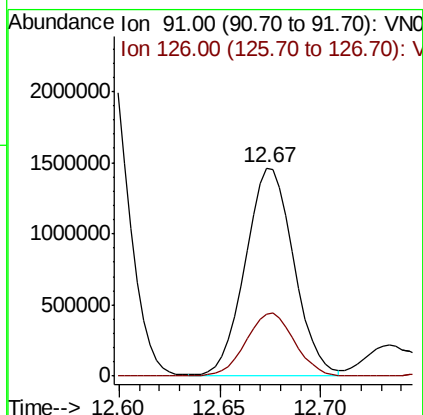
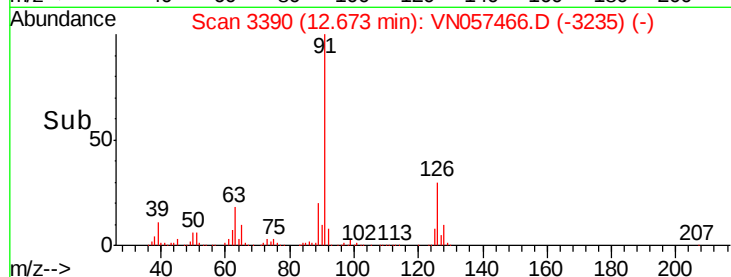
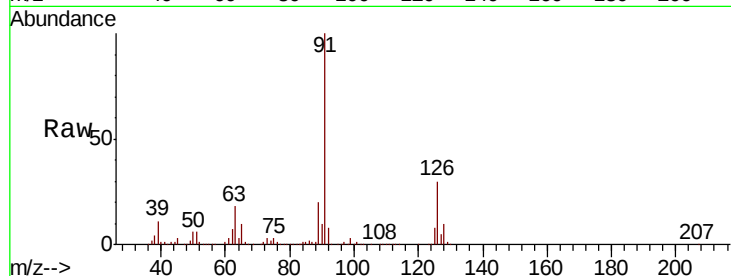
VSTDIC150

Tgt Ion: 91 Resp: 2456854

Ion Ratio Lower Upper

91 100

126 30.3 0.0 60.4



#76

1,3,5-Trimethylbenzene

Concen: 153.029 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057466.D

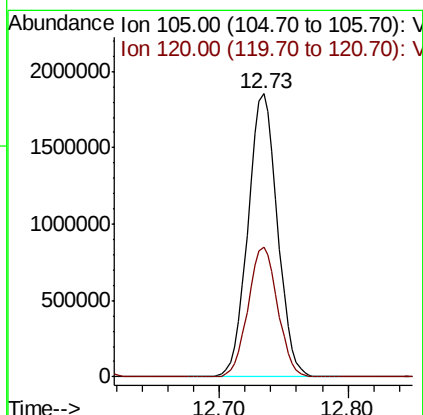
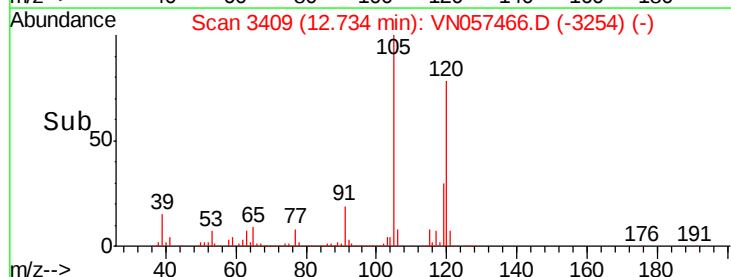
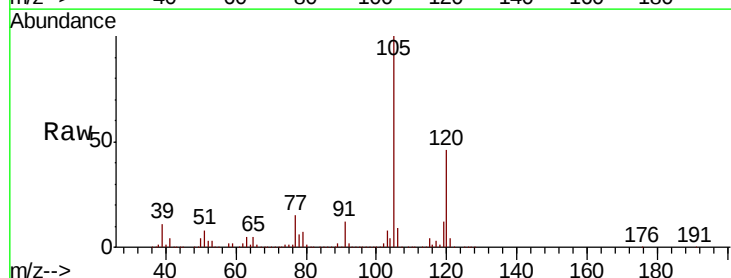
Acq: 23 Aug 2019 10:54

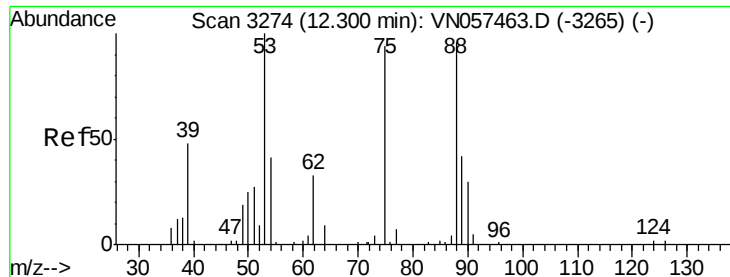
Tgt Ion: 105 Resp: 2944579

Ion Ratio Lower Upper

105 100

120 46.1 0.0 94.4



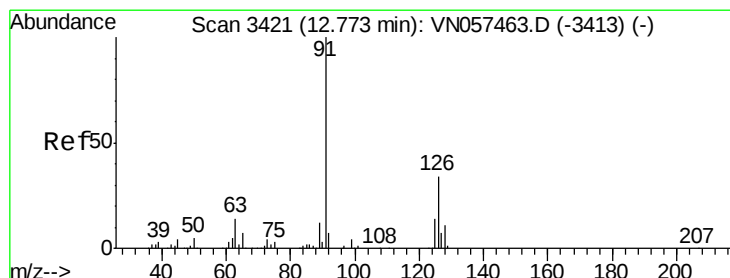
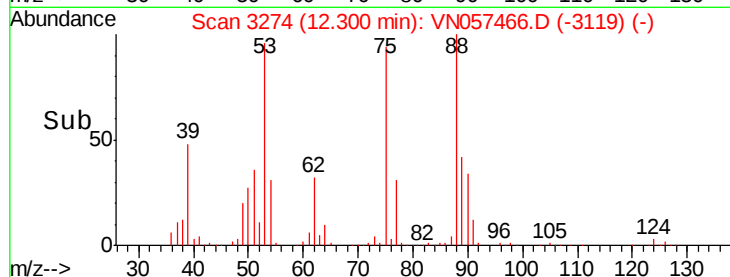
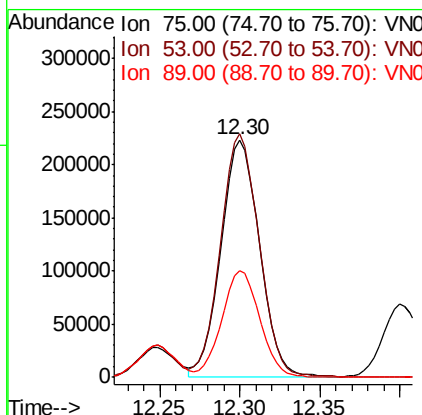
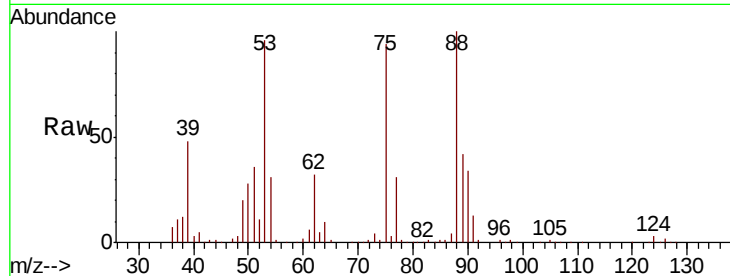


#77
t-1,4-Dichloro-2-butene
Concen: 175.730 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 369649

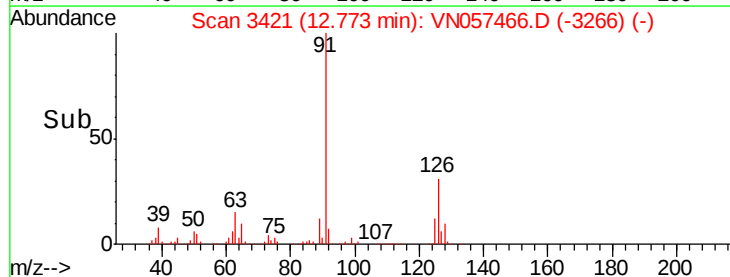
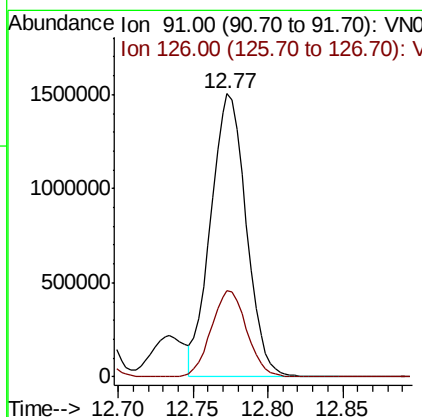
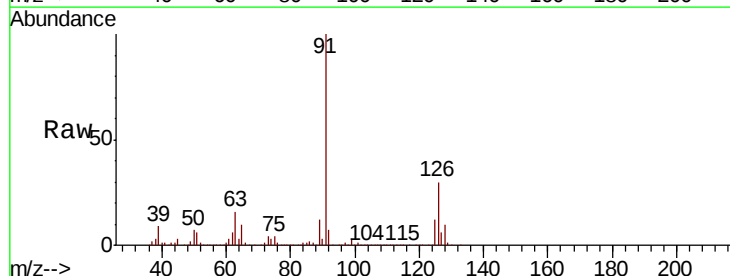
Ion	Ratio	Lower	Upper
75	100		
53	102.5	55.6	166.9
89	45.1	23.8	71.4

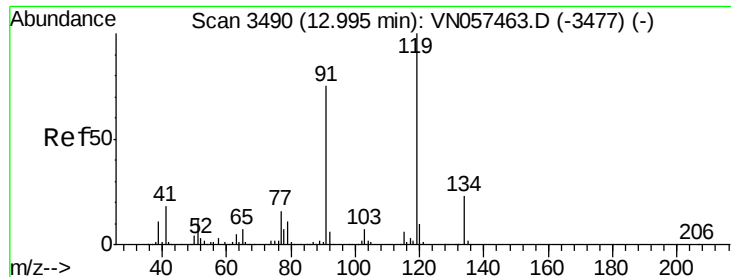


#78
4-Chlorotoluene
Concen: 175.644 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 91 Resp: 2485756

Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.6

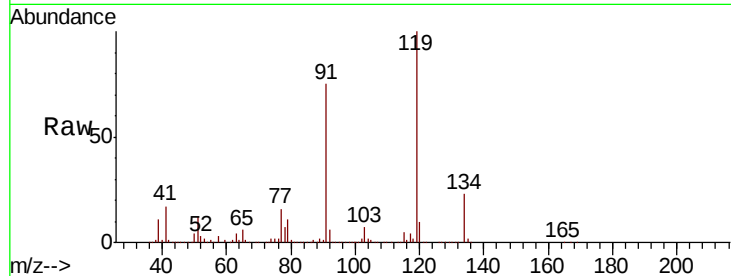




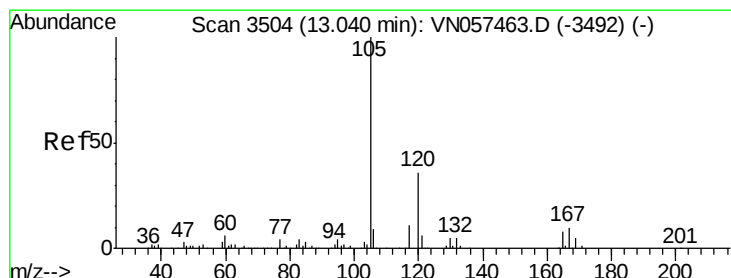
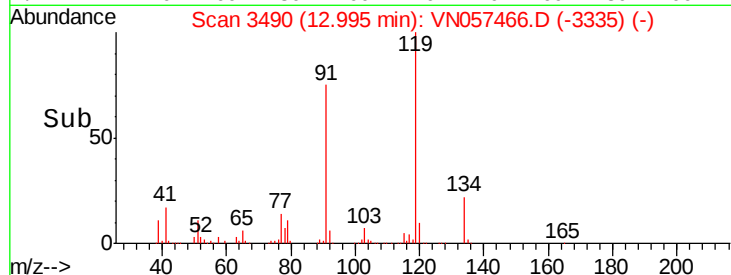
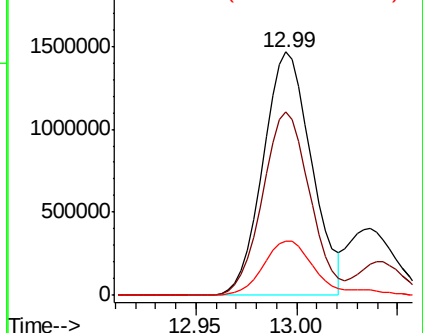
#79
tert-butylbenzene
Concen: 143.648 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 2444181
Ion Ratio Lower Upper
119 100
91 73.7 0.0 146.6
134 23.0 0.0 46.2

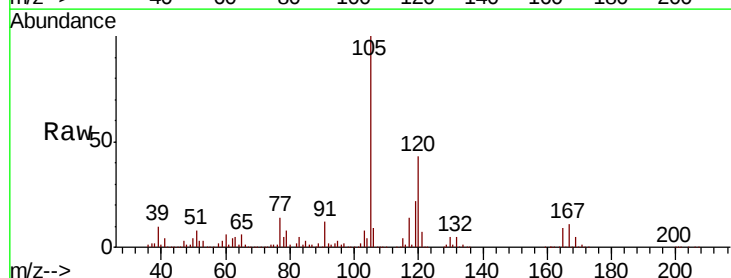


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

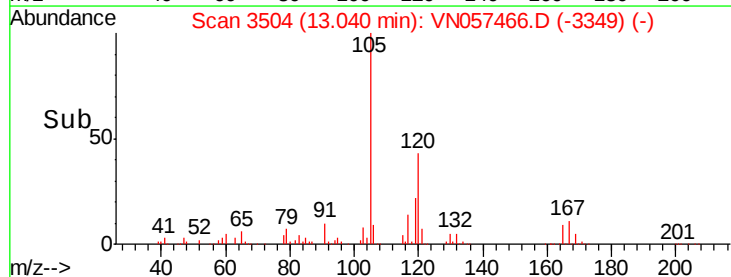
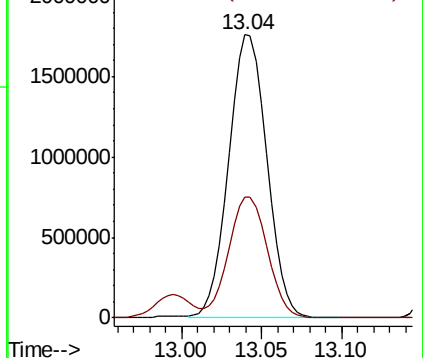


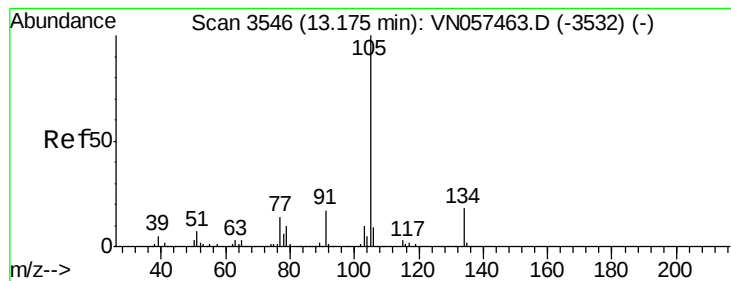
#80
1,2,4-Trimethylbenzene
Concen: 157.721 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion:105 Resp: 2864016
Ion Ratio Lower Upper
105 100
120 43.2 0.0 85.4



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





#81

sec-Butylbenzene

Concen: 160.830 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

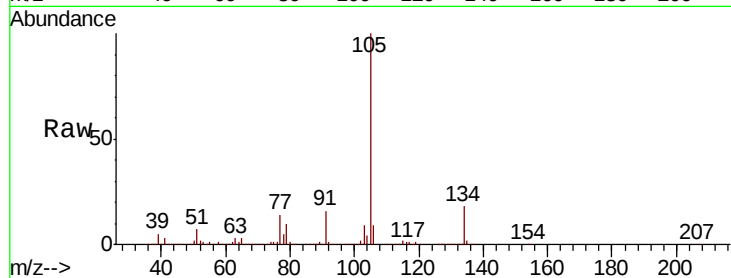
VSTDIC150

Tgt Ion:105 Resp: 3432436

Ion Ratio Lower Upper

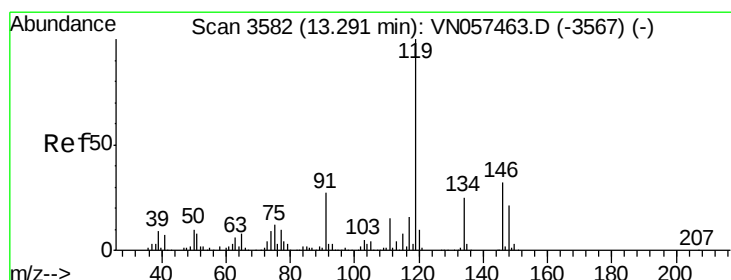
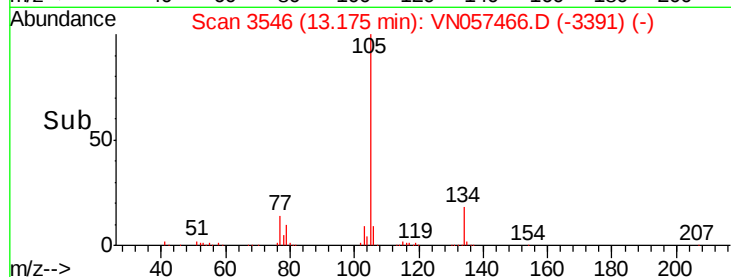
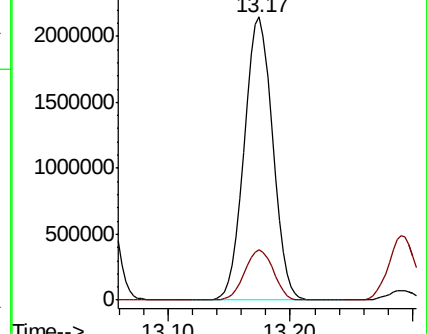
105 100

134 18.0 0.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 157.572 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057466.D

Acq: 23 Aug 2019 10:54

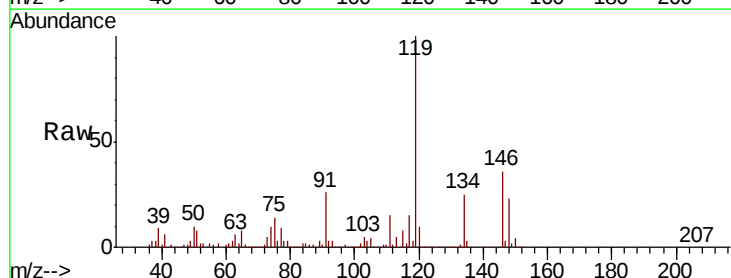
Tgt Ion:119 Resp: 2972196

Ion Ratio Lower Upper

119 100

134 25.4 0.0 49.6

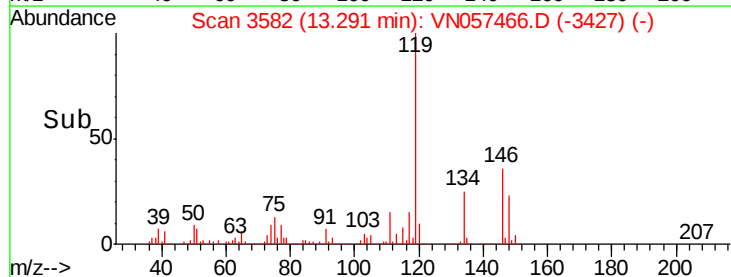
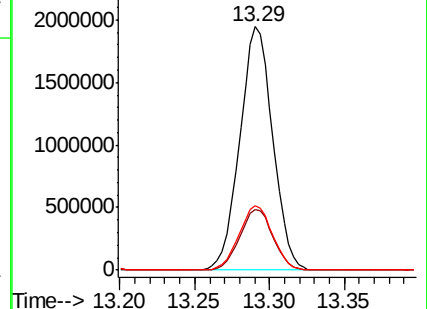
91 26.9 0.0 55.2

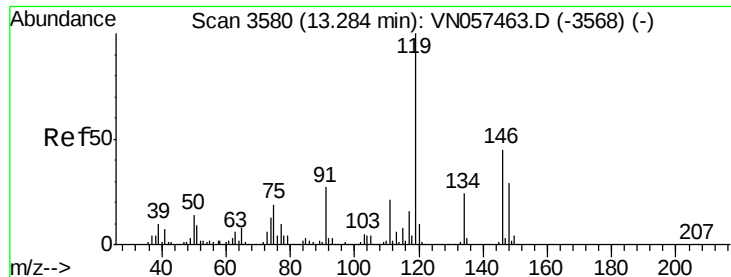


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

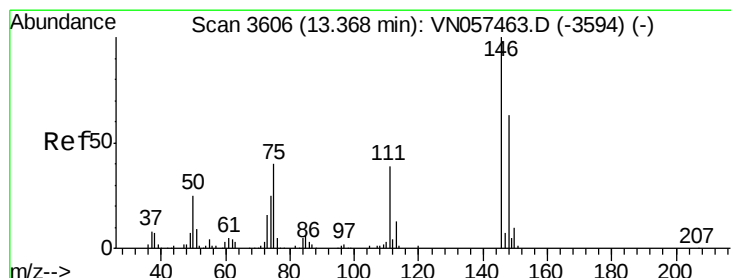
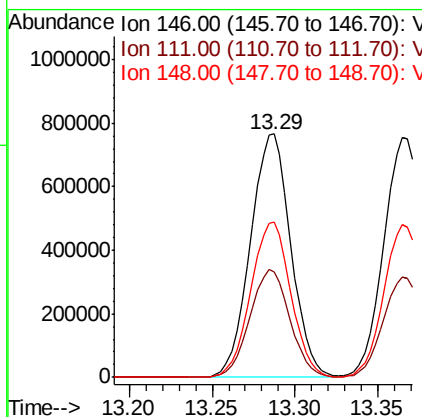
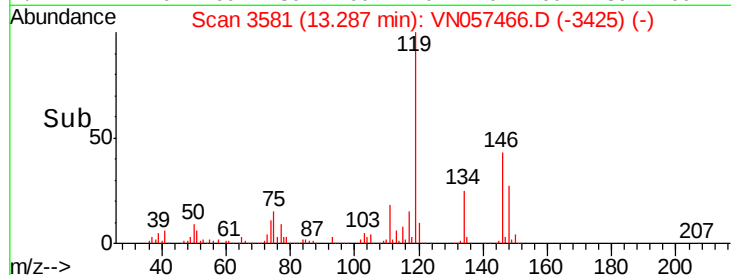
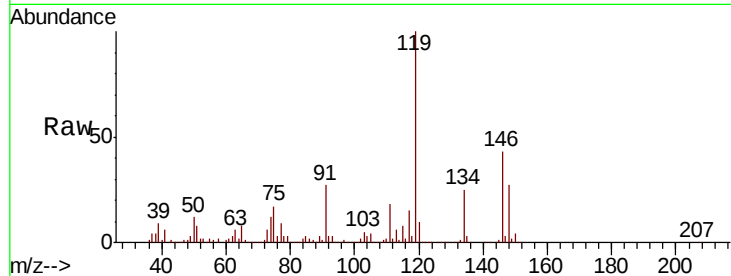




#83
 1,3-Dichlorobenzene
 Concen: 149.660 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

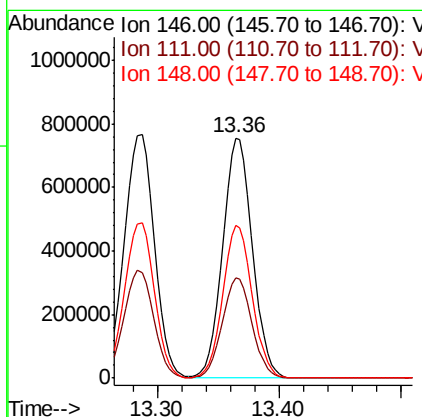
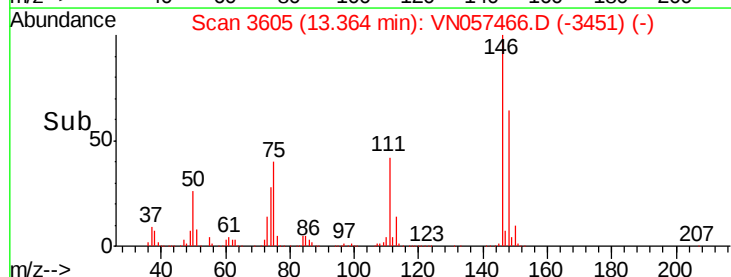
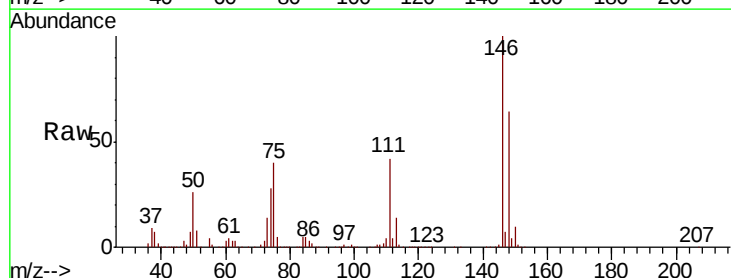
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

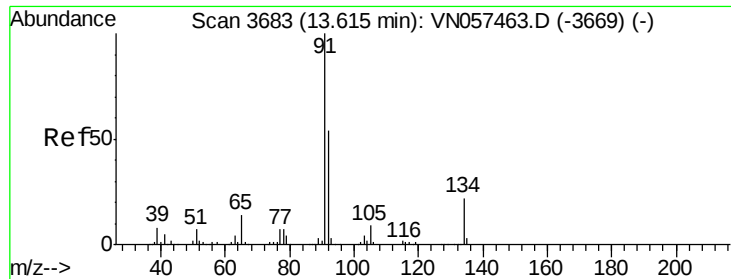
Tgt Ion:146 Resp: 1299330
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.0
 148 63.3 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 157.482 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion:146 Resp: 1289364
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.5 61.5
 148 62.9 31.9 95.7

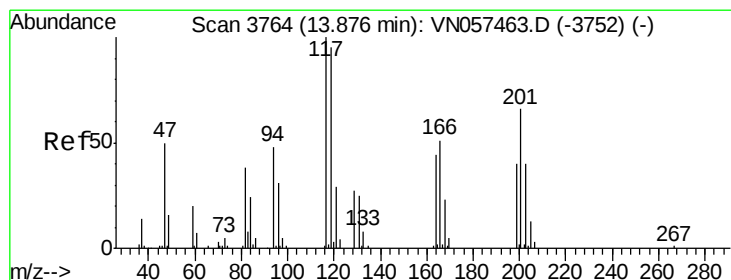
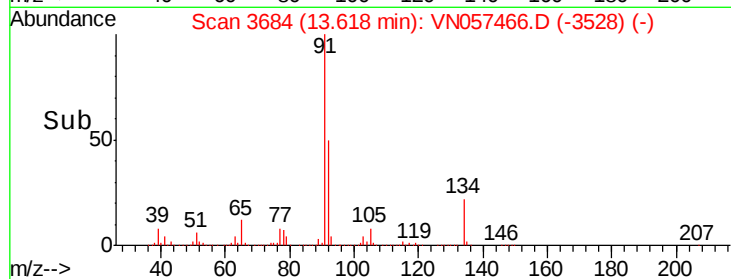
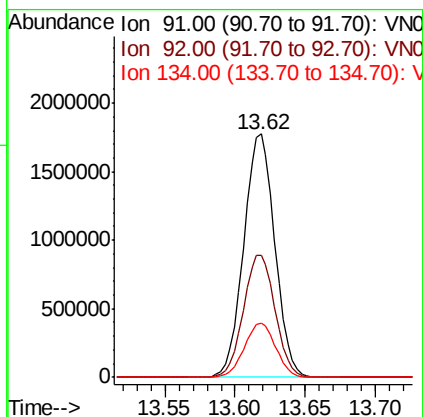
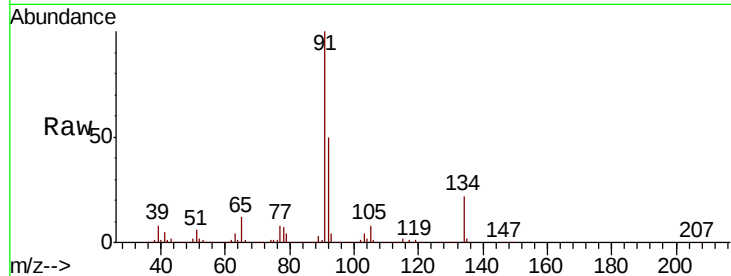




#85
n-Butylbenzene
Concen: 193.151 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

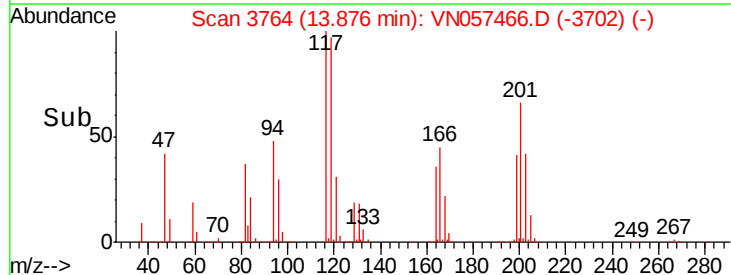
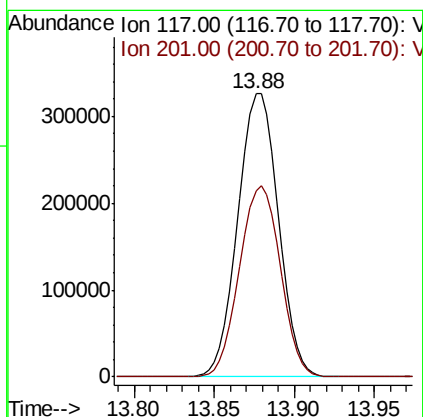
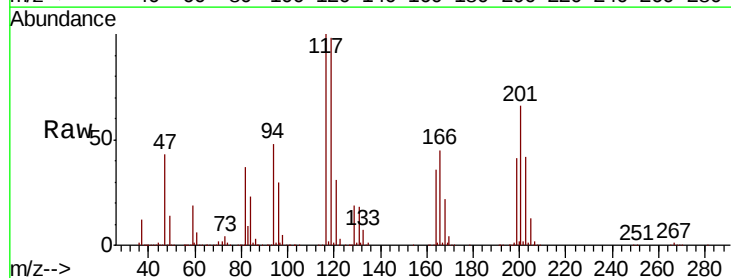
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

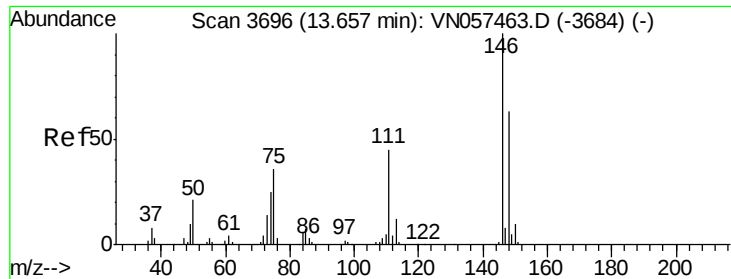
Tgt Ion: 91 Resp: 2738308
Ion Ratio Lower Upper
91 100
92 51.2 0.0 105.6
134 22.5 0.0 46.0



#86
Hexachloroethane
Concen: 154.039 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion: 117 Resp: 564676
Ion Ratio Lower Upper
117 100
201 68.0 34.0 101.8

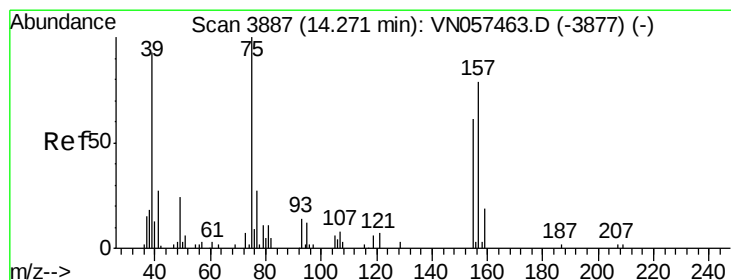
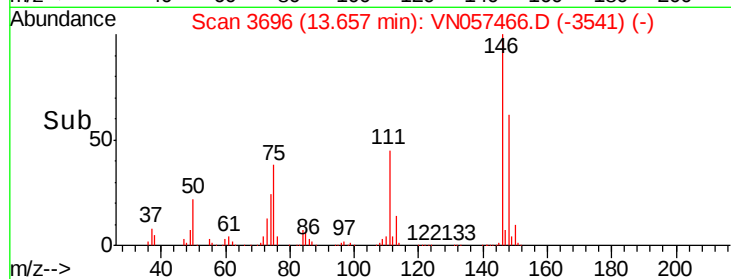
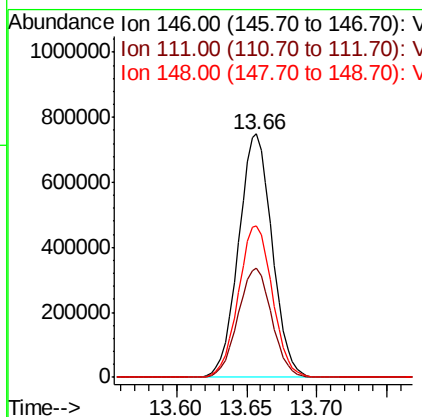
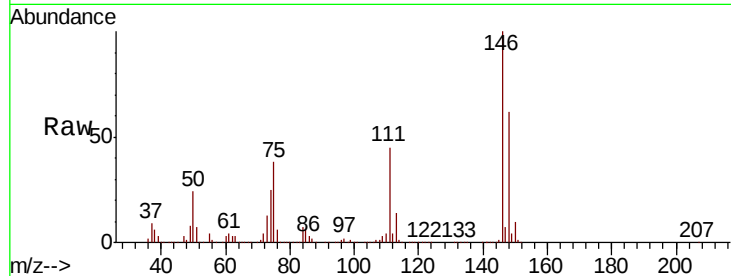




#87
 1,2-Dichlorobenzene
 Concen: 151.487 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

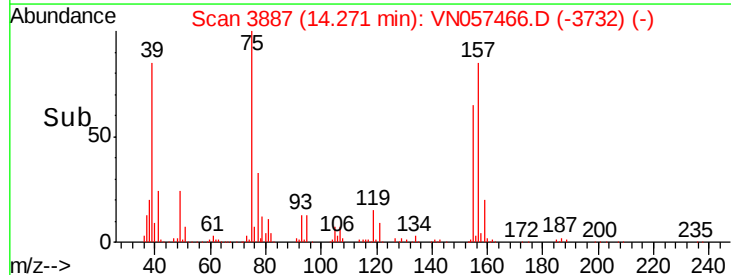
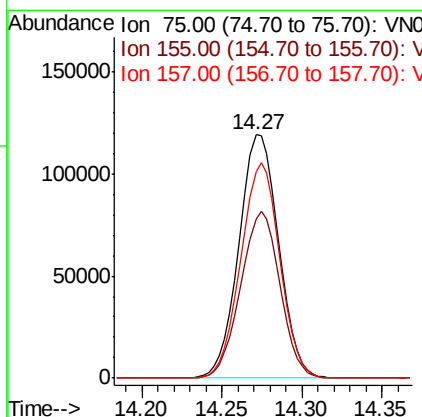
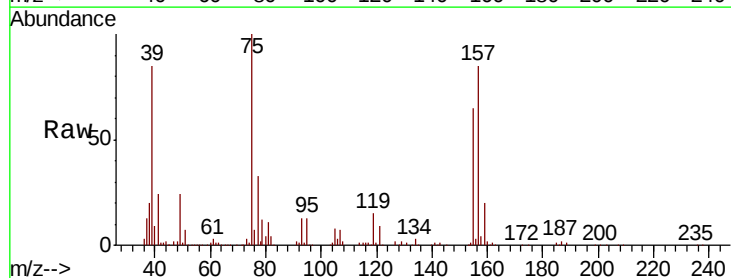
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

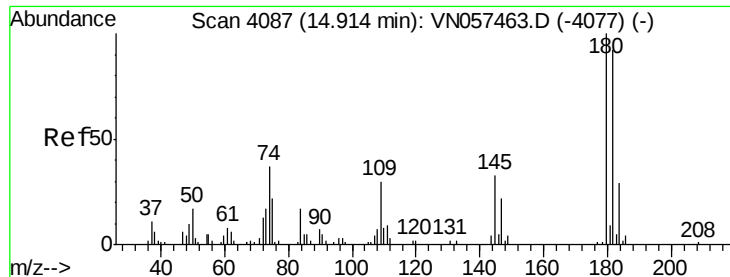
Tgt Ion:146 Resp: 1250603
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.5 67.5
 148 63.0 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 222.597 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion: 75 Resp: 201898
 Ion Ratio Lower Upper
 75 100
 155 67.6 53.7 80.5
 157 86.9 63.5 95.3

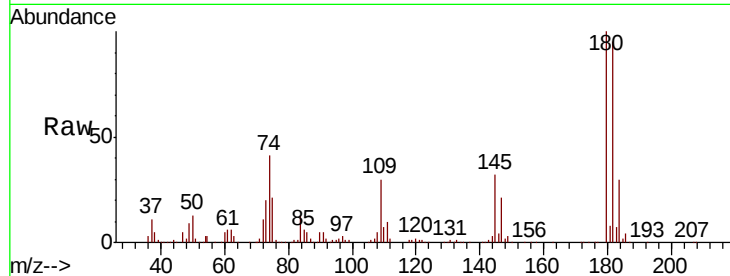




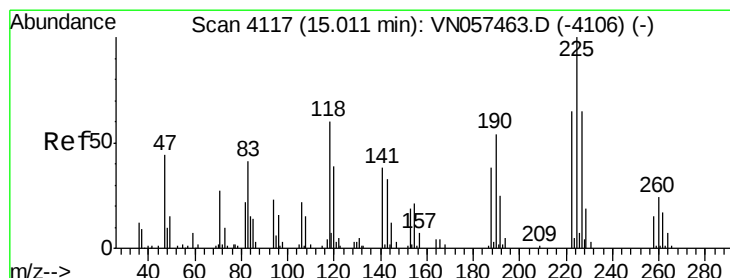
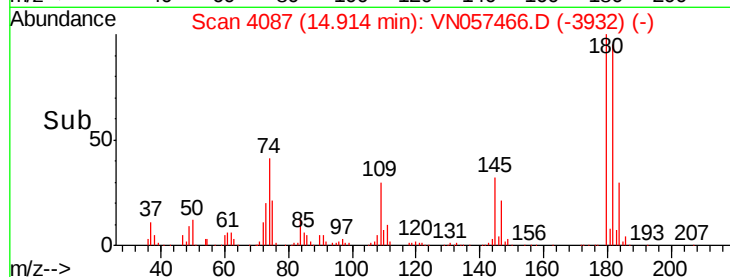
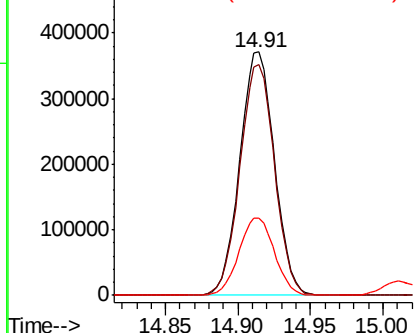
#89
 1,2,4-Trichlorobenzene
 Concen: 207.610 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 614860
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.2
 145 32.6 26.9 40.3

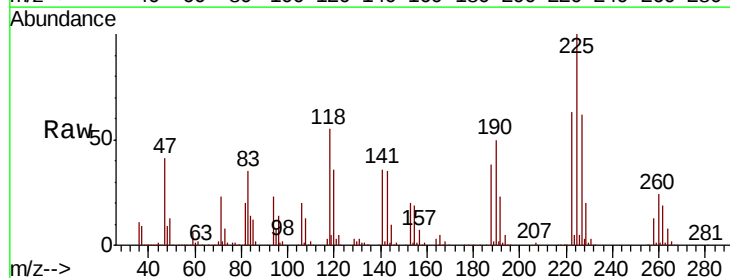


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

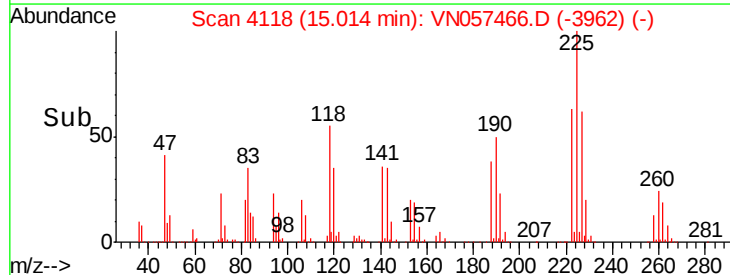
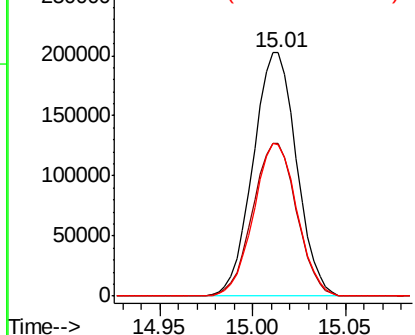


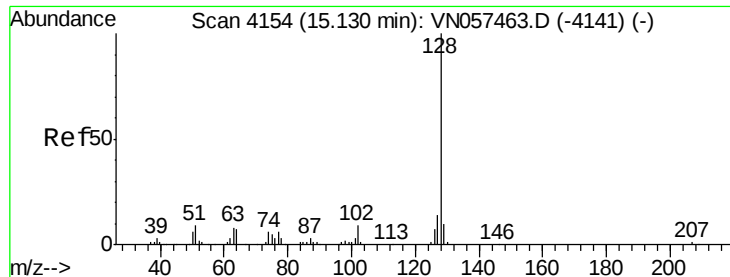
#90
 Hexachlorobutadiene
 Concen: 94.313 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057466.D
 Acq: 23 Aug 2019 10:54

Tgt Ion:225 Resp: 330103
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 123.6
 227 62.5 0.0 126.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

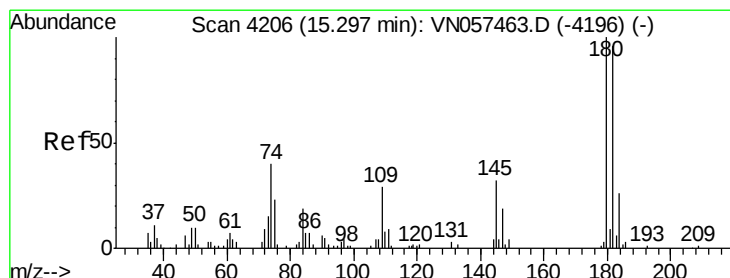
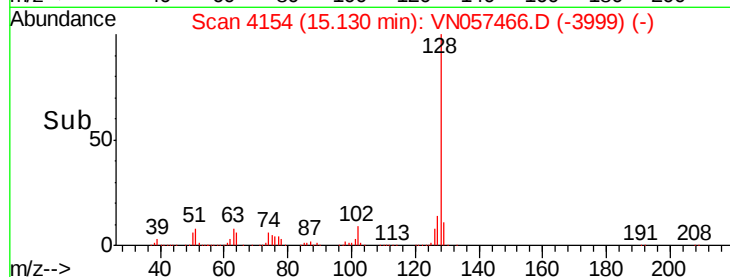
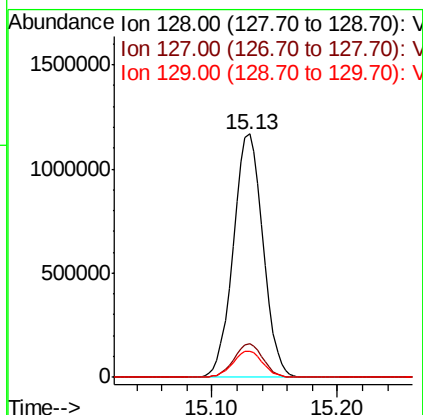
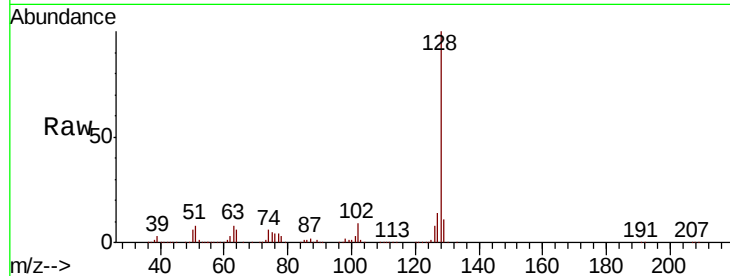




#91
Naphthalene
Concen: 272.906 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1918115
Ion Ratio Lower Upper
128 100
127 13.5 10.1 15.1
129 10.8 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 213.696 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057466.D
Acq: 23 Aug 2019 10:54

Tgt Ion:180 Resp: 613994
Ion Ratio Lower Upper
180 100
182 92.9 0.0 187.0
145 34.1 0.0 64.4

