

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057465.D
 Acq On : 23 Aug 2019 10:28
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 23 22:58:14 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	7.18	128	75988	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	414341	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	391115	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214454	39.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.27%
60) 4-Bromofluorobenzene	12.40	95	208614	35.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	118.77%
63) Toluene-d8	10.08	98	576290	31.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.17%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	395445	101.469	ug/l	99
3) Chloromethane	2.04	50	573513	118.805	ug/l	100
4) Vinyl Chloride	2.17	62	716824	142.017	ug/l	99
5) Bromomethane	2.54	94	463726	125.485	ug/l	98
6) Chloroethane	2.68	64	471737	138.302	ug/l	98
7) Trichlorofluoromethane	3.00	101	1140713	142.350	ug/l	93
8) Diethyl Ether	3.39	74	422338	140.917	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	633324	134.861	ug/l	99
10) 1,1-Dichloroethene	3.71	96	615992	134.002	ug/l	95
11) Methyl Iodide	3.92	142	513267	78.337	ug/l	99
12) Methyl Acetate	4.30	43	576917	114.117	ug/l	97
13) Acrolein	3.58	56	397906	749.162	ug/l	99
14) Acrylonitrile	4.96	53	1129898	576.598	ug/l	100
15) Acetone	3.80	58	456767	671.604	ug/l	95
16) Carbon Disulfide	4.02	76	1128035	99.792	ug/l	99
17) Allyl chloride	4.29	41	883446	133.730	ug/l	96
18) Methylene Chloride	4.52	84	457976	97.278	ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	434549	97.933	ug/l	98
20) Diisopropyl ether	5.93	45	1841507	133.215	ug/l	95
21) 1,1-Dichloroethane	5.82	63	952831	116.846	ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	512761	98.212	ug/l	97
23) tert-Butyl Alcohol	4.79	59	397751	566.077	ug/l	100
24) Methyl tert-Butyl Ether	5.02	73	1467508	111.859	ug/l	100
25) Chloroform	7.36	83	929755	110.832	ug/l	99
26) Cyclohexane	7.63	56	839820	122.309	ug/l #	100
29) 1,1-Dichloropropene	7.78	75	715052	116.001	ug/l	99
30) 2-Butanone	6.82	43	1676341	651.427	ug/l	98
31) 2,2-Dichloropropane	6.80	77	797470	116.849	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	804435	111.451	ug/l	98
33) Carbon Tetrachloride	7.76	117	701899	110.596	ug/l	99
34) Benzene	8.03	78	2091492	112.379	ug/l #	90
35) Methacrylonitrile	7.16	41	367186	109.558	ug/l	95
36) 1,2-Dichloroethane	8.11	62	822384	130.185	ug/l #	89
37) Trichloroethene	8.82	130	475132	91.856	ug/l	95
38) Methylcyclohexane	9.07	83	808131	112.375	ug/l	98
39) 1,2-Dichloropropane	9.11	63	593963	121.959	ug/l	91
40) Dibromomethane	9.20	93	370071	116.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	794295	122.865	ug/l #	98
42) Vinyl Acetate	5.87	43	7725930	708.750	ug/l	99
43) Ethyl Acetate	6.91	43	702776	135.595	ug/l	99
44) Isopropyl Acetate	8.16	43	1287490	138.719	ug/l #	93
45) 1,4-Dioxane	9.20	88	155275	1955.470	ug/l	96
46) Methyl methacrylate	9.19	41	616401	146.085	ug/l	99
47) n-amyl Acetate	12.07	43	1088223	155.764	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	851027	122.598	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	931763	120.584	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	492606	108.673	ug/l	98
51) Ethyl methacrylate	10.43	69	837007	124.143	ug/l	98
52) 1,3-Dichloropropane	10.70	76	894630	118.070	ug/l	99
53) Dibromochloromethane	10.90	129	546327	106.656	ug/l	98
54) 1,2-Dibromoethane	11.00	107	508447	107.942	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	1132376	718.785	ug/l	99
56) Bromoform	12.13	173	335257	89.936	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	3647977	648.435	ug/l	100
59) 2-Hexanone	10.75	43	2553349	637.783	ug/l	99
61) Tetrachloroethene	10.63	164	420276	77.556	ug/l	96
62) Toluene	10.15	91	2278128	103.993	ug/l	100
64) Chlorobenzene	11.43	112	1277679	95.569	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	474407	92.121	ug/l	99
66) Ethyl Benzene	11.51	91	2487511	104.453	ug/l	100
67) m/p-Xylenes	11.62	106	1757360	200.646	ug/l	99
68) o-Xylene	11.95	106	857610	99.536	ug/l	98
69) Styrene	11.96	104	1457309	106.045	ug/l	99
70) Isopropylbenzene	12.25	105	2346401	102.045	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	679139	106.625	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	904684	165.692	ug/l	63
73) Bromobenzene	12.53	156	488366	83.756	ug/l	99
74) n-propylbenzene	12.59	91	2781160	114.075	ug/l	99
75) 2-Chlorotoluene	12.67	91	1614824	107.999	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1945786	102.027	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	239650	114.949	ug/l	92
78) 4-Chlorotoluene	12.77	91	1612897	114.988	ug/l	99
79) tert-butylbenzene	12.99	119	1617273	95.901	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1870427	103.927	ug/l	99
81) sec-Butylbenzene	13.17	105	2212055	104.576	ug/l	100
82) p-Isopropyltoluene	13.29	119	1876521	100.375	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	813280	94.514	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	814764	100.406	ug/l	99
85) n-Butylbenzene	13.62	91	1715433	122.084	ug/l	99
86) Hexachloroethane	13.88	117	375108	103.242	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	806578	98.577	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	129293	143.825	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	359443	122.454	ug/l	99
90) Hexachlorobutadiene	15.01	225	214476	61.826	ug/l	98
91) Naphthalene	15.13	128	1125136	161.516	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	360422	126.565	ug/l	98

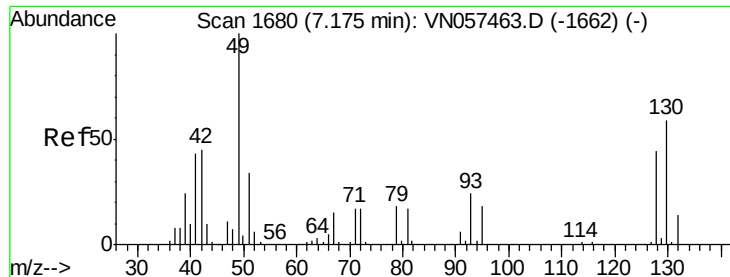
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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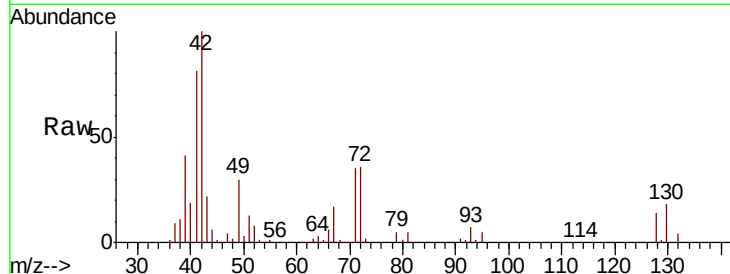
(#) = qualifier out of range (m) = manual integration (+) = signals summed



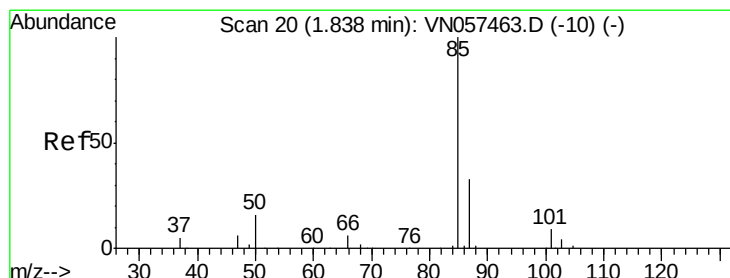
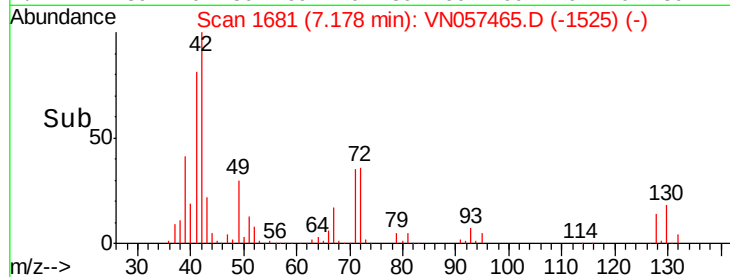
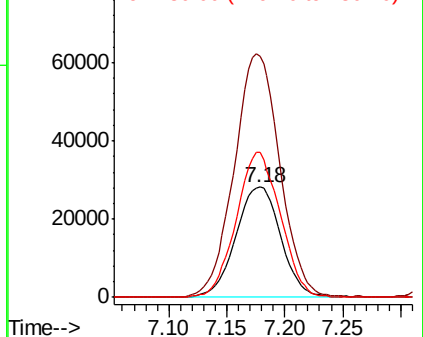
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 128 Resp: 75988
 Ion Ratio Lower Upper
 128 100
 49 224.1 0.0 560.5
 130 128.4 0.0 317.3

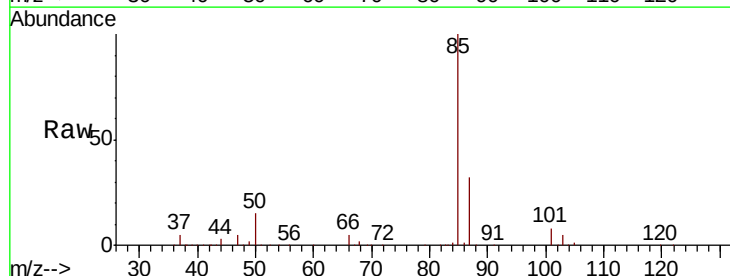


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

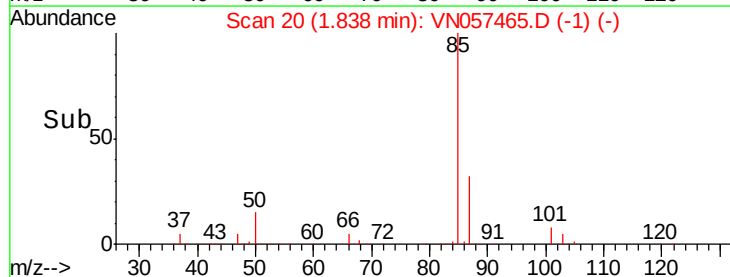
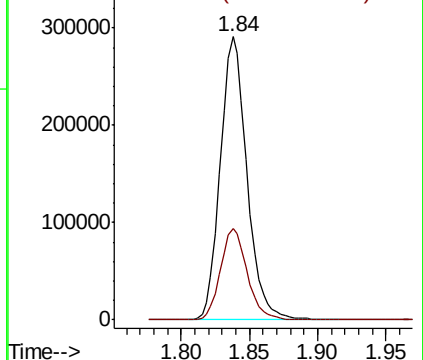


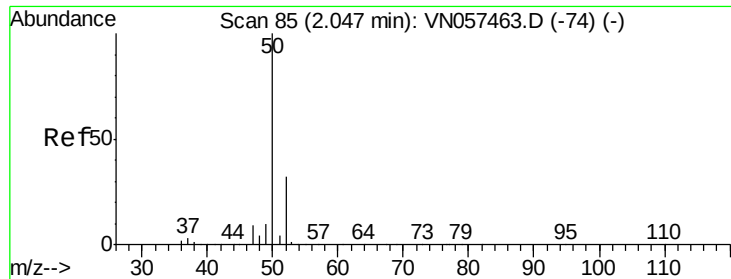
#2
 Dichlorodifluoromethane
 Concen: 101.469 ug/l
 RT: 1.84 min Scan# 20
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 85 Resp: 395445
 Ion Ratio Lower Upper
 85 100
 87 32.3 16.4 49.1



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





#3

Chloromethane

Concen: 118.805 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

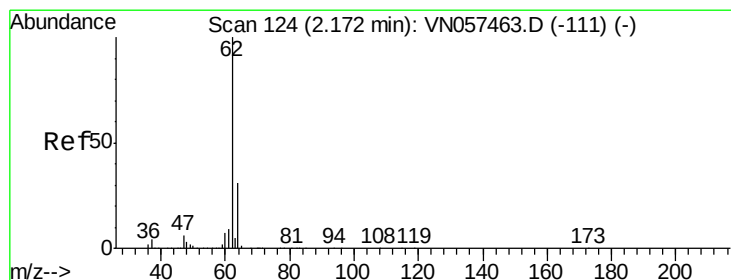
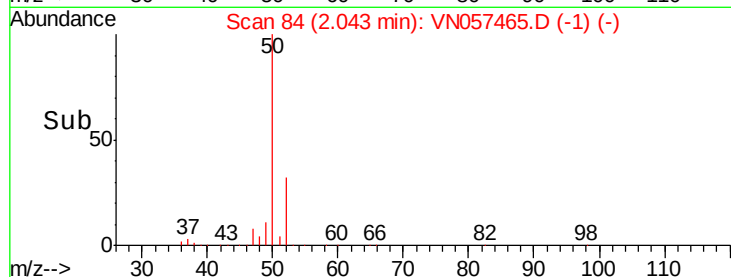
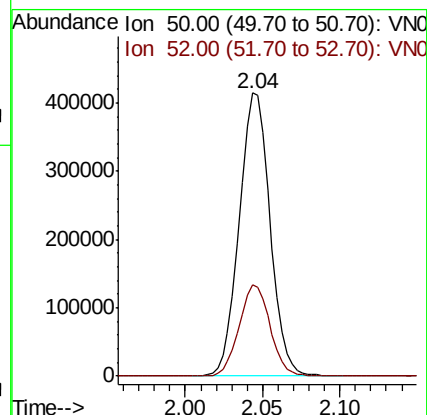
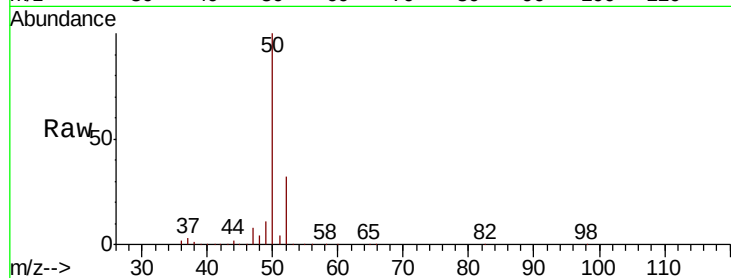
VSTDIC100

Tgt Ion: 50 Resp: 573513

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6



#4

Vinyl Chloride

Concen: 142.017 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057465.D

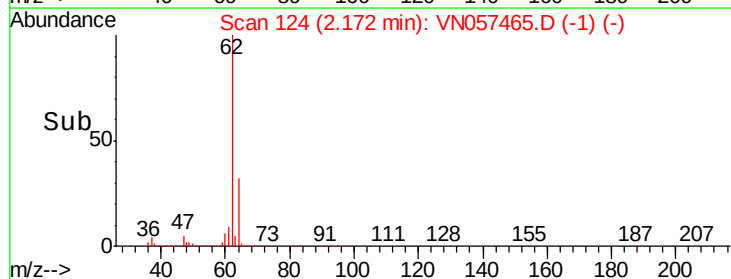
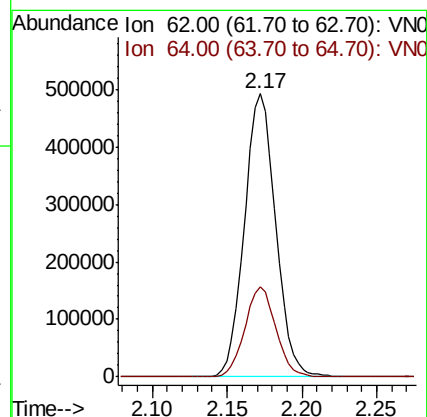
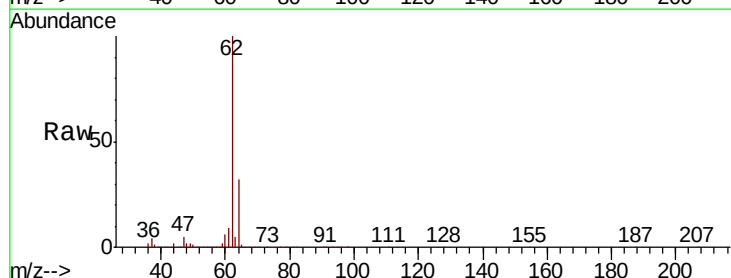
Acq: 23 Aug 2019 10:28

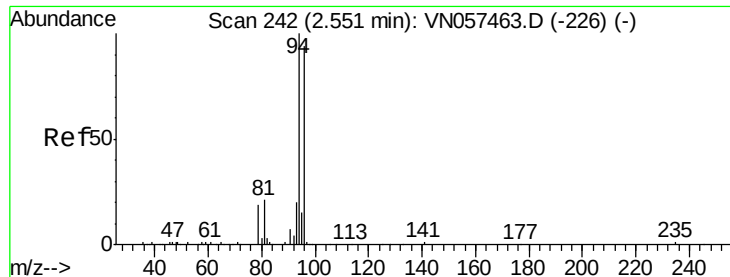
Tgt Ion: 62 Resp: 716824

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 125.485 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.02 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

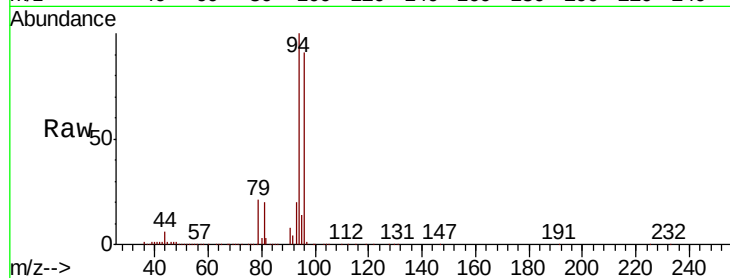
VSTDIC100

Tgt Ion: 94 Resp: 463726

Ion Ratio Lower Upper

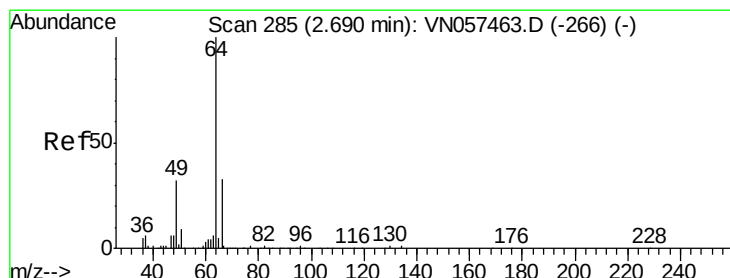
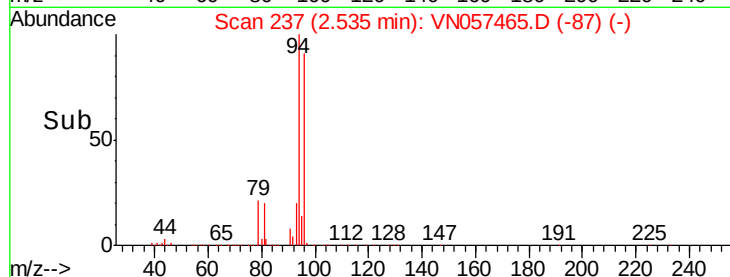
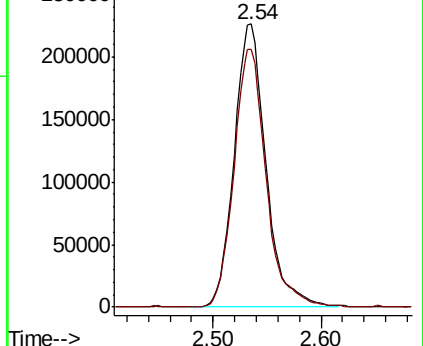
94 100

96 91.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 138.302 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057465.D

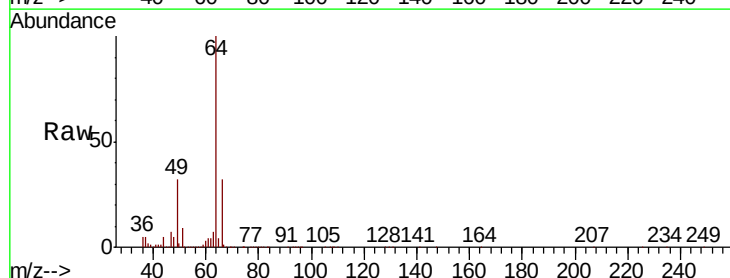
Acq: 23 Aug 2019 10:28

Tgt Ion: 64 Resp: 471737

Ion Ratio Lower Upper

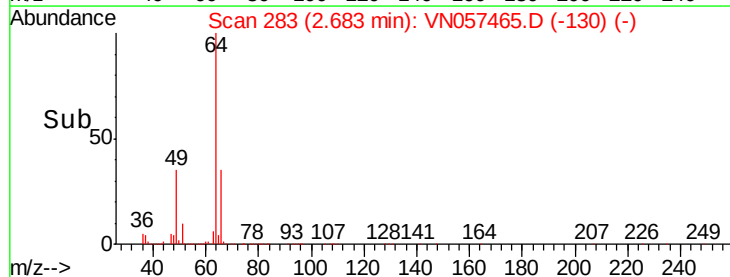
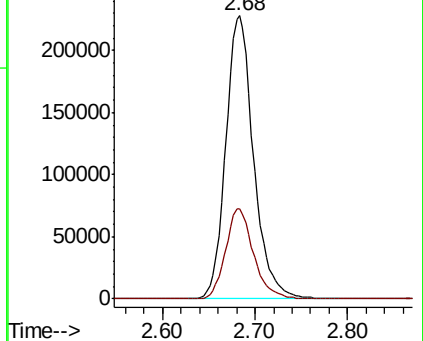
64 100

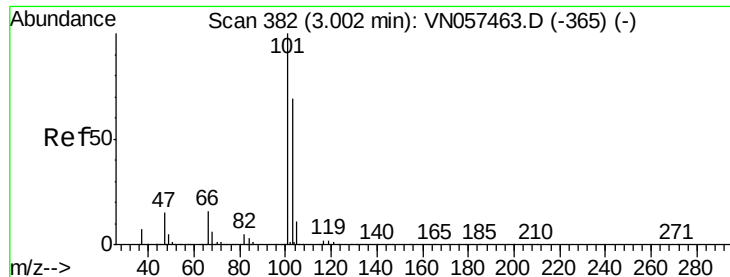
66 32.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



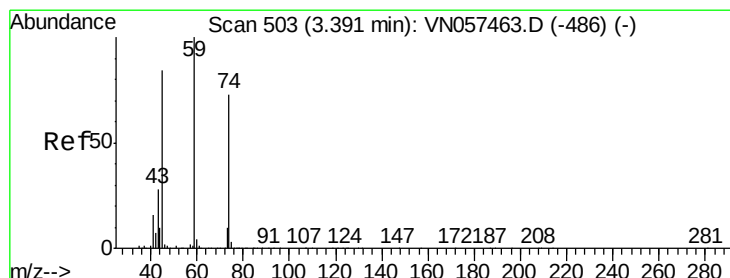
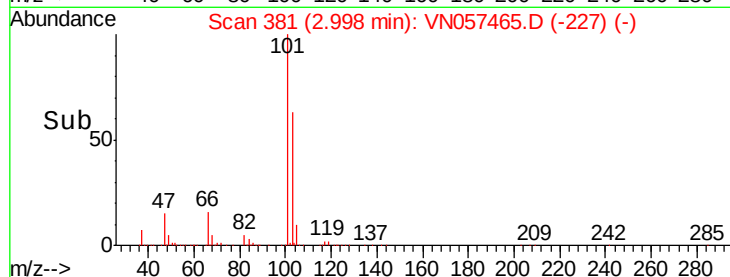
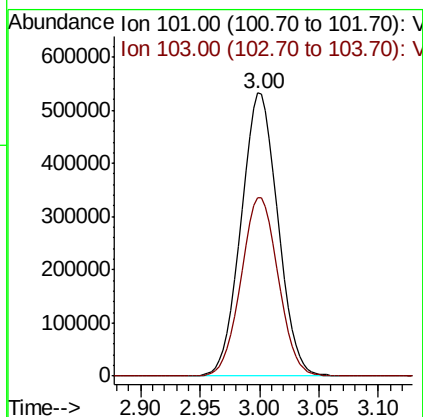
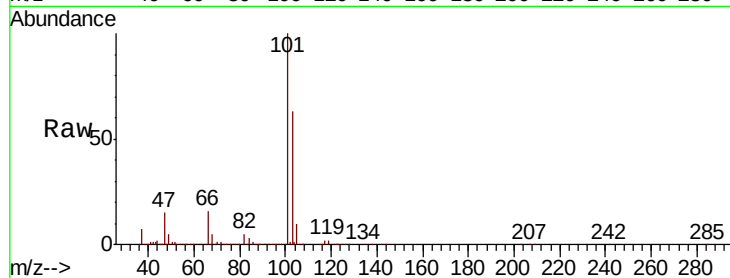


#7

Trichlorofluoromethane
Concen: 142.350 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
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VSTDIC100

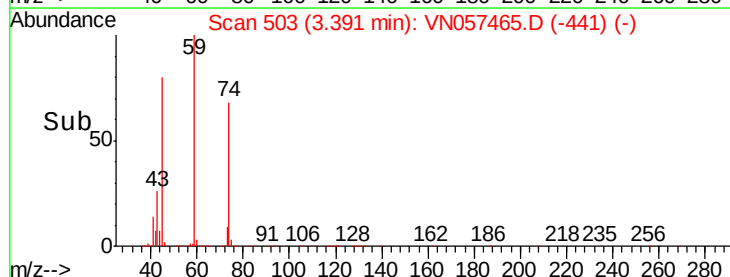
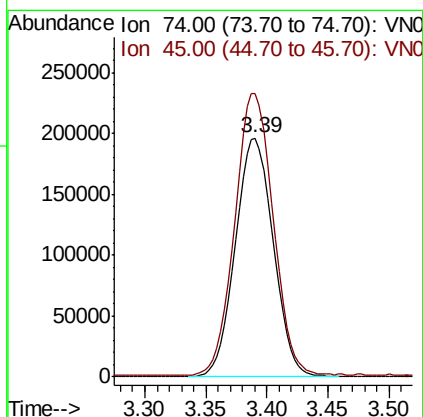
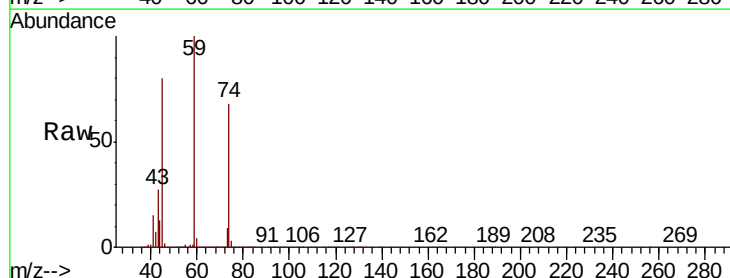
Tgt Ion:101 Resp: 1140713
Ion Ratio Lower Upper
101 100
103 63.0 55.0 82.4

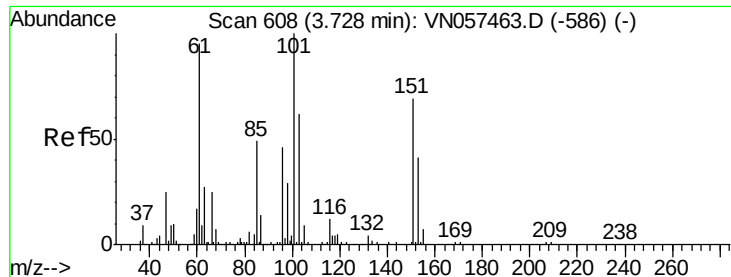


#8

Diethyl Ether
Concen: 140.917 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 74 Resp: 422338
Ion Ratio Lower Upper
74 100
45 119.4 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.861 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

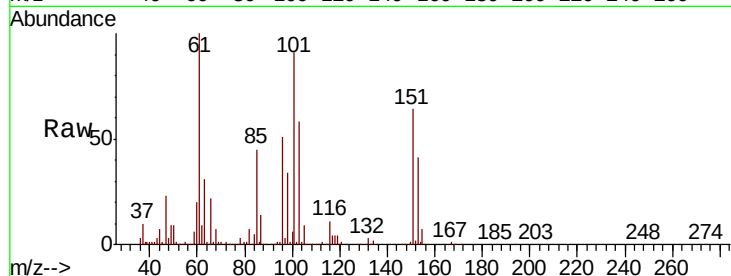
Tgt Ion:101 Resp: 633324

Ion Ratio Lower Upper

101 100

85 49.6 0.0 101.6

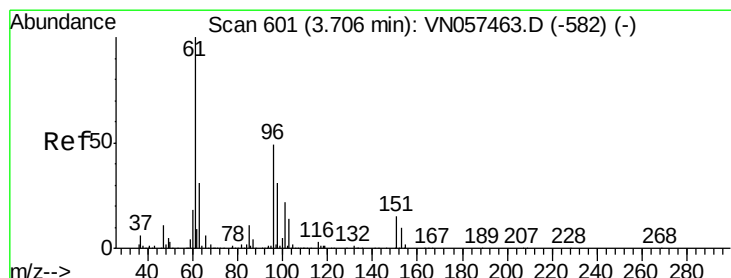
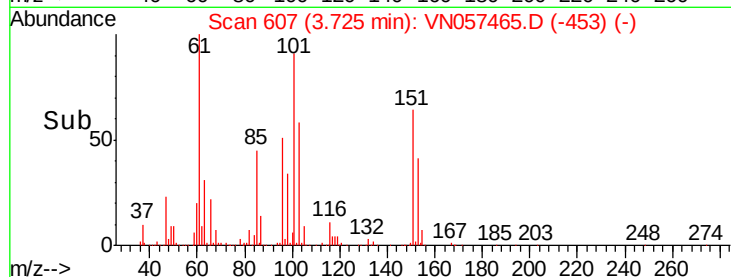
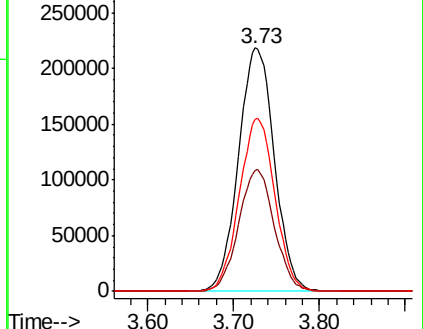
151 70.5 0.0 139.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 134.002 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

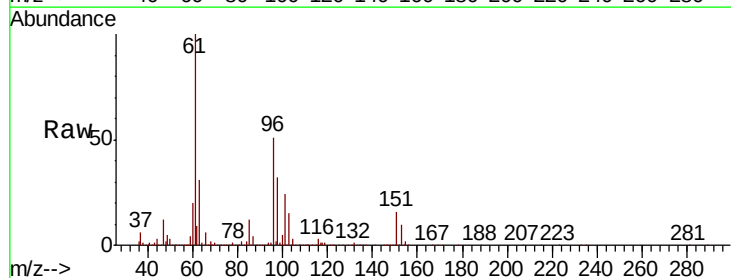
Tgt Ion: 96 Resp: 615992

Ion Ratio Lower Upper

96 100

61 195.3 162.6 244.0

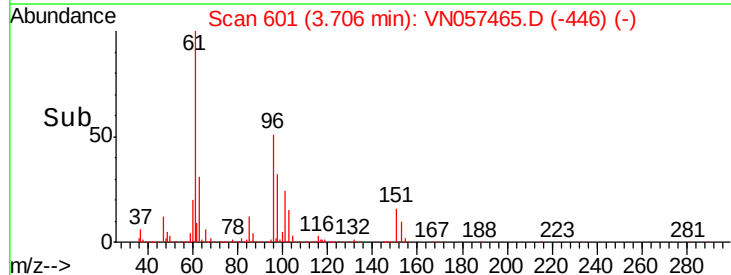
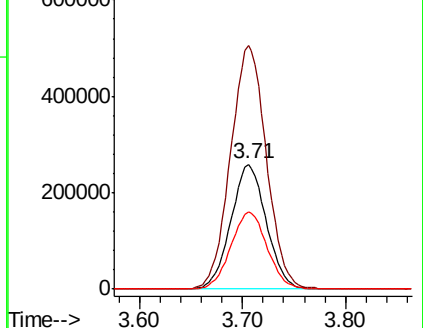
98 62.1 51.1 76.7

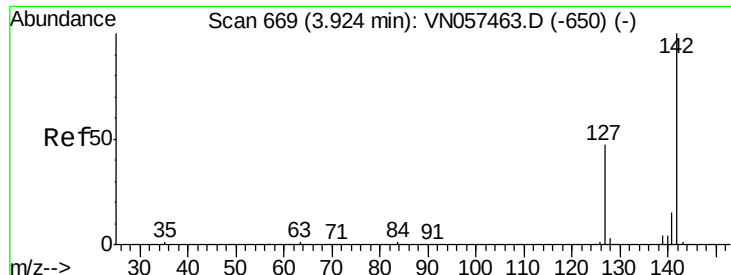


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

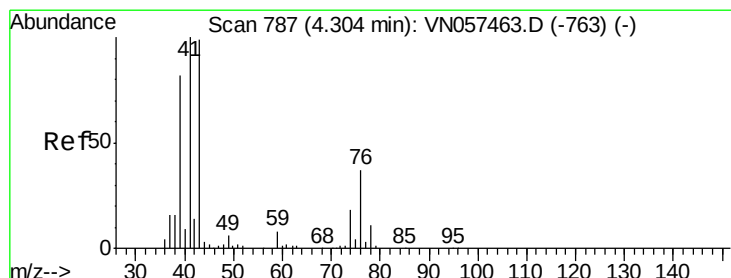
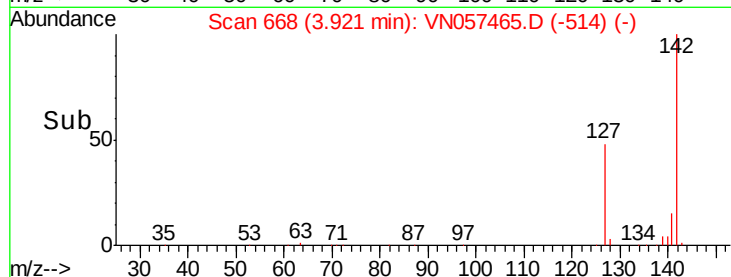
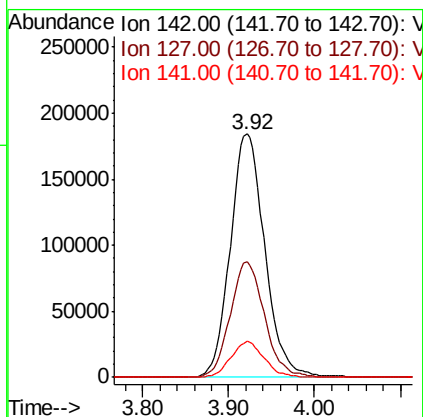
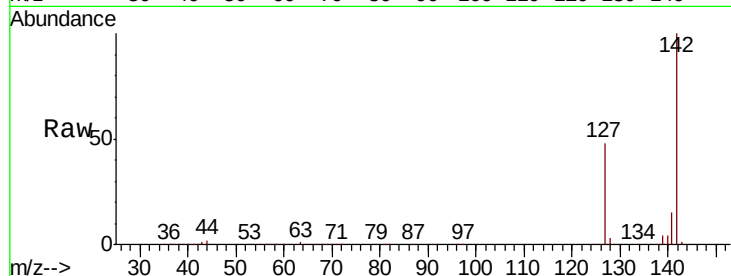




#11
Methyl Iodide
Concen: 78.337 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

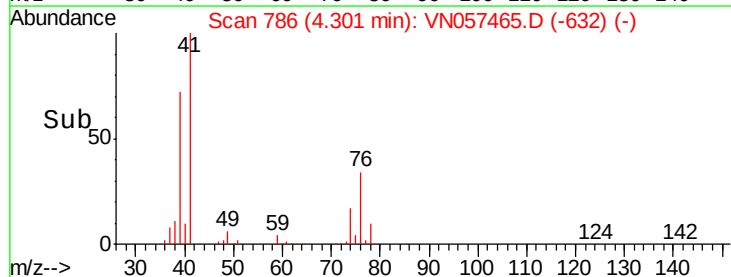
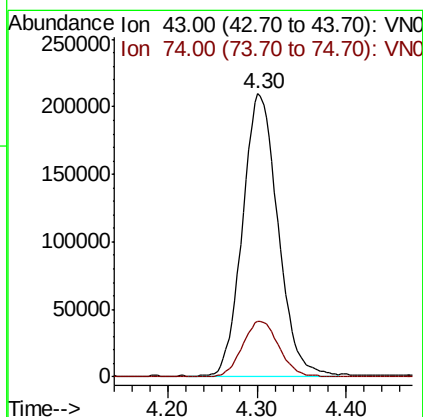
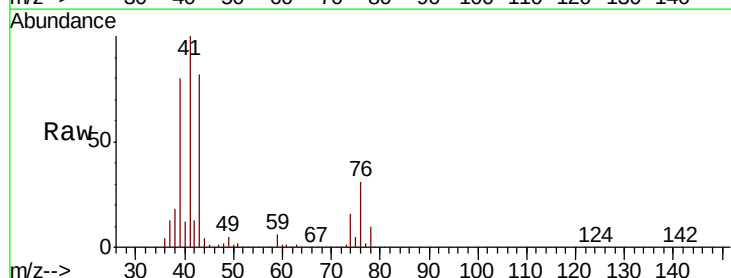
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

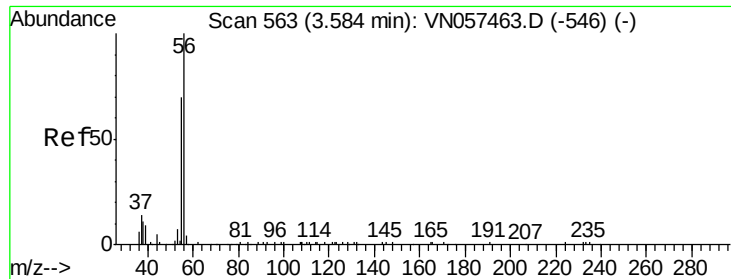
Tgt Ion: 142 Resp: 513267
Ion Ratio Lower Upper
142 100
127 47.6 24.0 72.0
141 14.8 7.0 21.1



#12
Methyl Acetate
Concen: 114.117 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 43 Resp: 576917
Ion Ratio Lower Upper
43 100
74 19.6 14.6 22.0





#13

Acrolein

Concen: 749.162 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

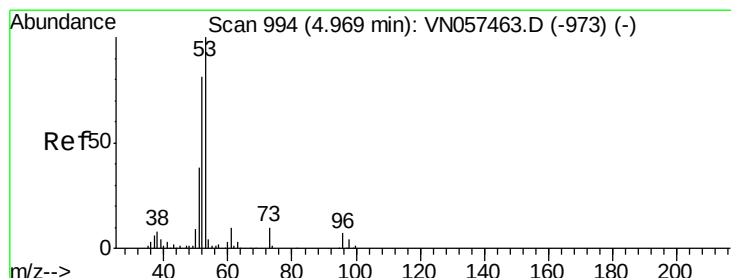
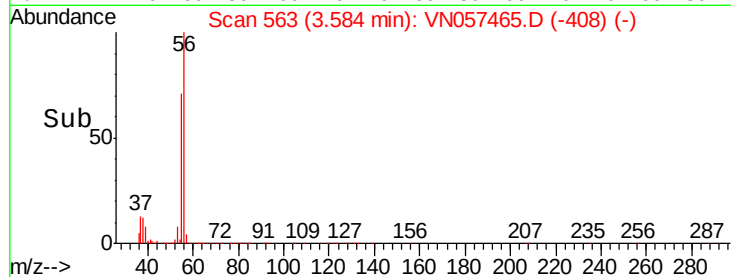
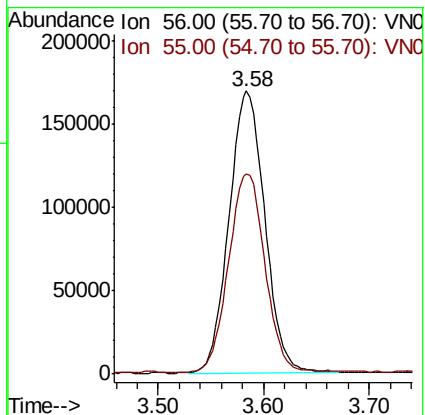
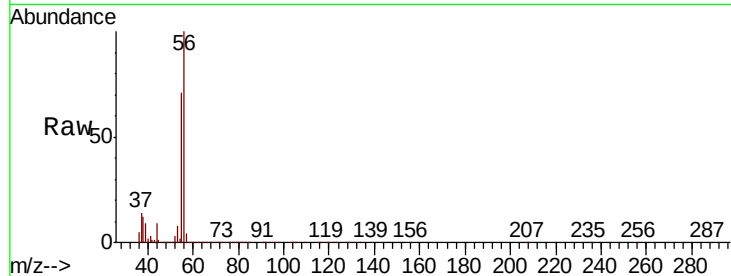
VSTDIC100

Tgt Ion: 56 Resp: 397906

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Acrylonitrile

Concen: 576.598 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

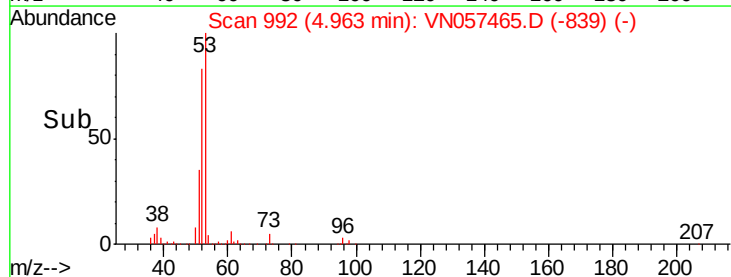
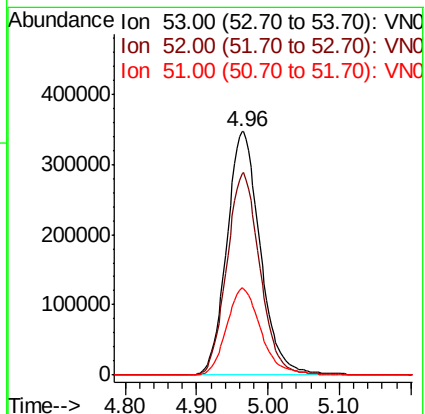
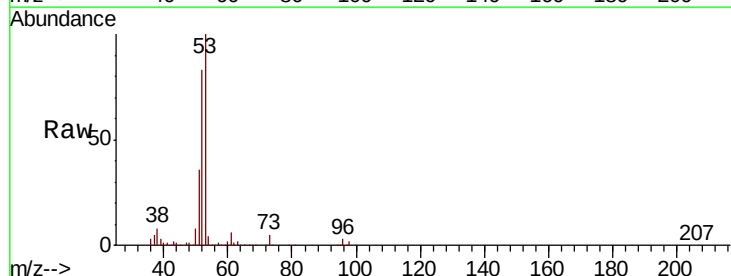
Tgt Ion: 53 Resp: 1129898

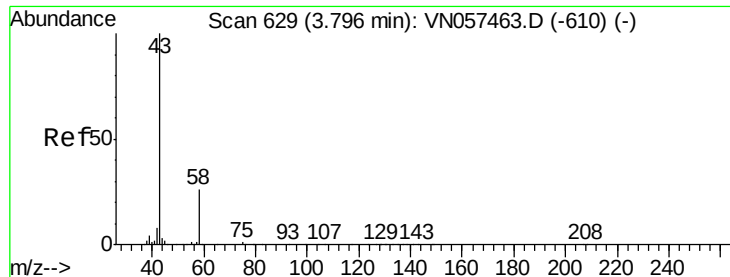
Ion Ratio Lower Upper

53 100

52 82.2 41.3 123.9

51 36.7 18.3 54.9





#15

Acetone

Concen: 671.604 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

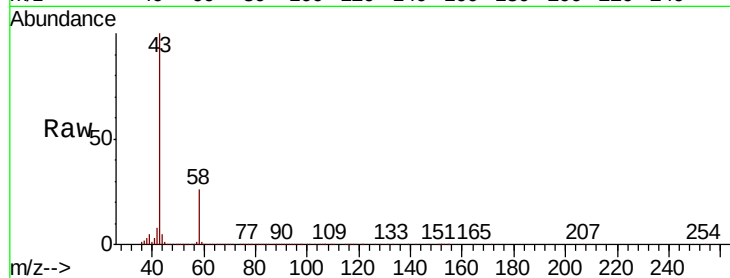
VSTDIC100

Tgt Ion: 58 Resp: 456767

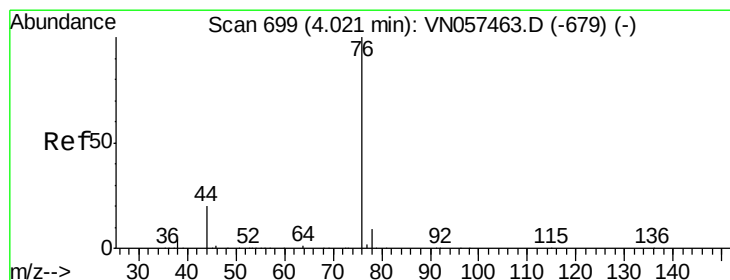
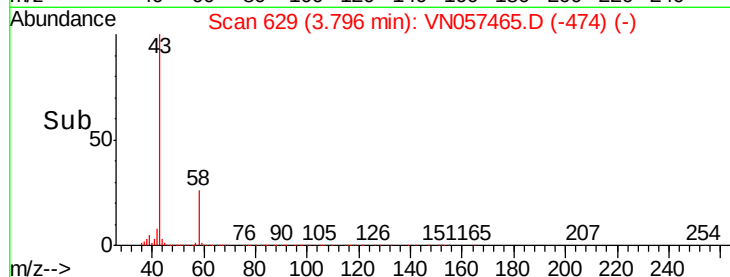
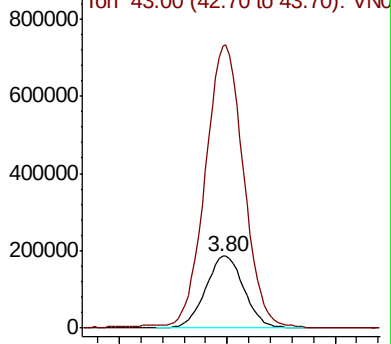
Ion Ratio Lower Upper

58 100

43 391.0 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN057463.D (-610) (-)



#16

Carbon Disulfide

Concen: 99.792 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057465.D

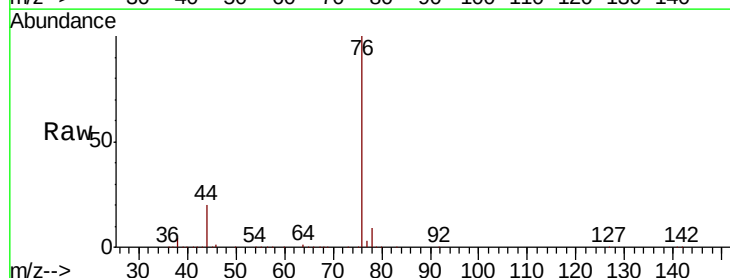
Acq: 23 Aug 2019 10:28

Tgt Ion: 76 Resp: 1128035

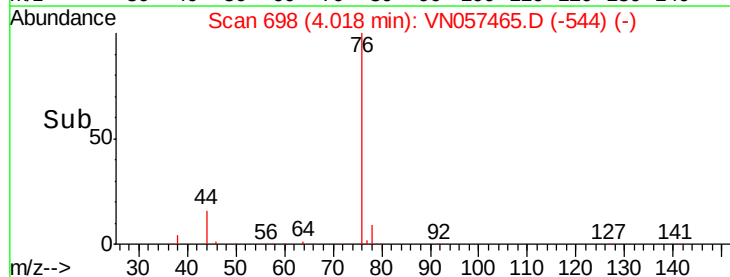
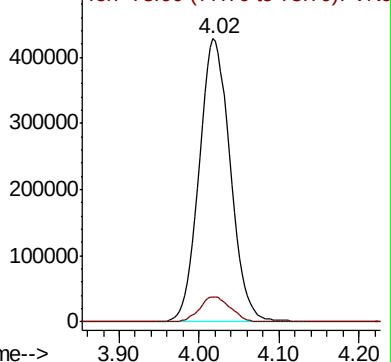
Ion Ratio Lower Upper

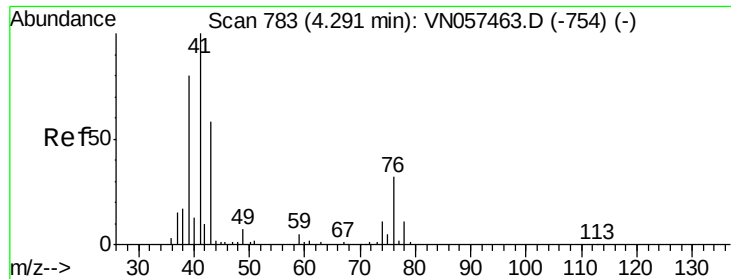
76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN057463.D (-679) (-)





#17

Allyl chloride

Concen: 133.730 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

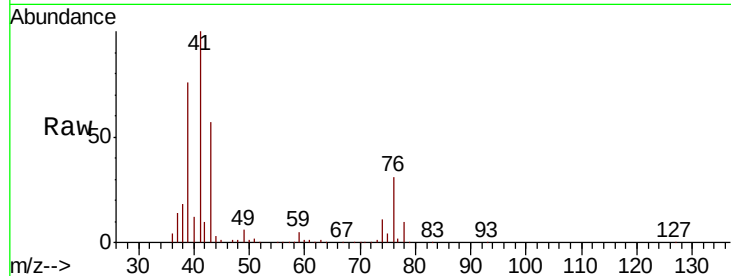
Tgt Ion: 41 Resp: 883446

Ion Ratio Lower Upper

41 100

39 76.1 40.1 120.2

76 31.2 16.2 48.6

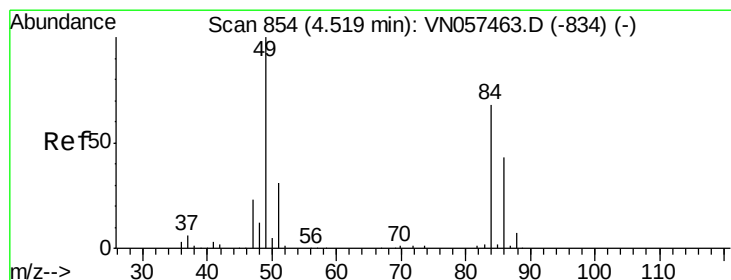
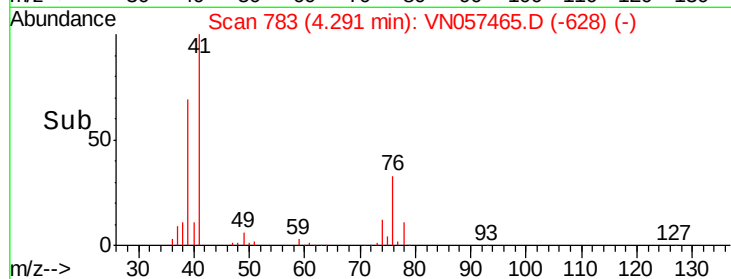
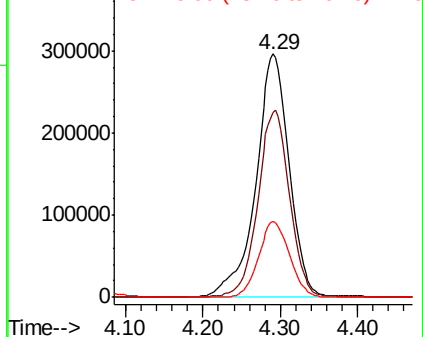


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 97.278 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Tgt Ion: 84 Resp: 457976

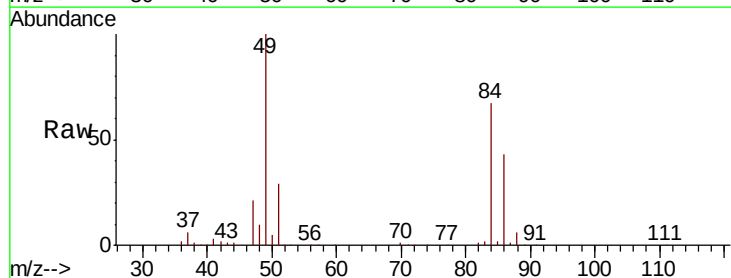
Ion Ratio Lower Upper

84 100

49 150.0 116.8 175.2

51 44.2 36.4 54.6

86 64.0 49.8 74.6



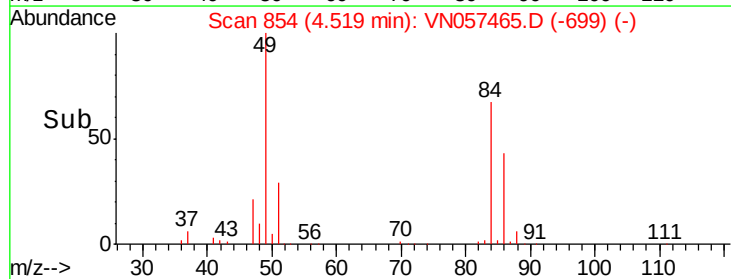
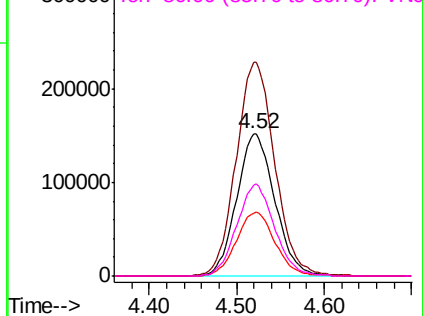
Abundance

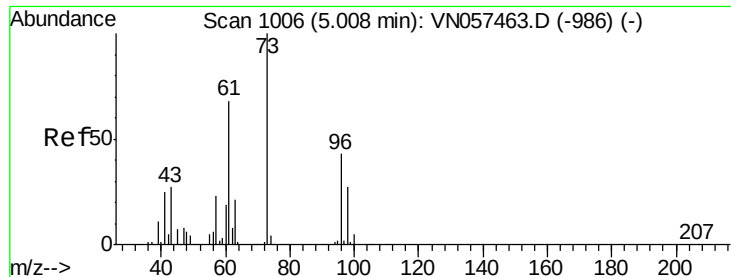
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

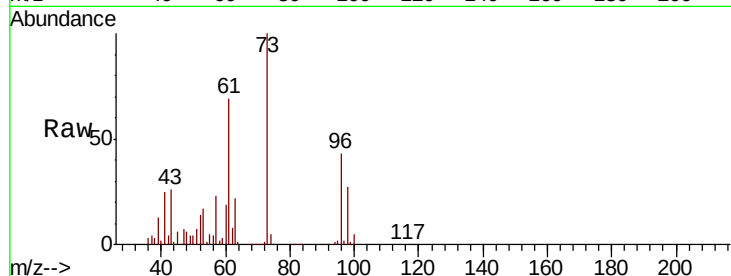




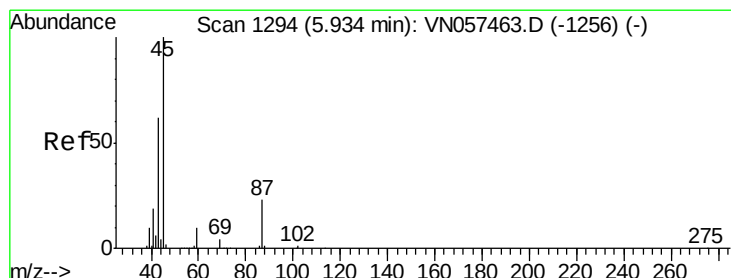
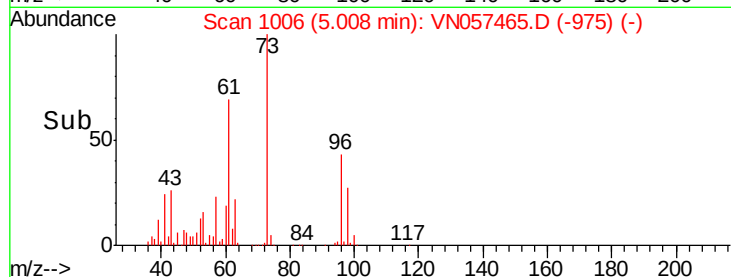
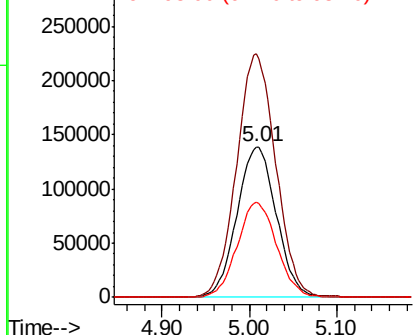
#19
trans-1,2-Dichloroethene
Concen: 97.933 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 434549
Ion Ratio Lower Upper
96 100
61 161.4 127.6 191.4
98 62.8 51.5 77.3

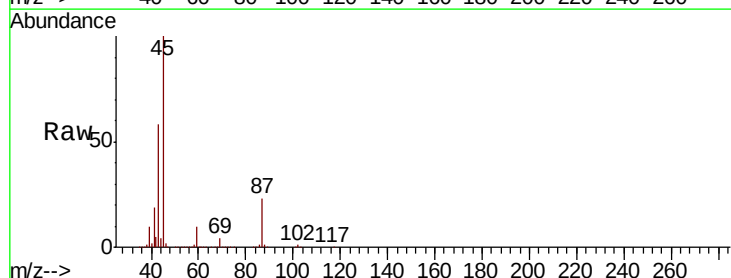


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

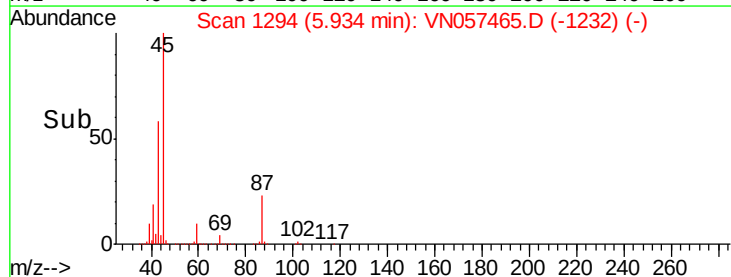
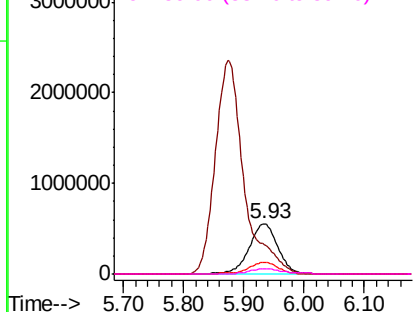


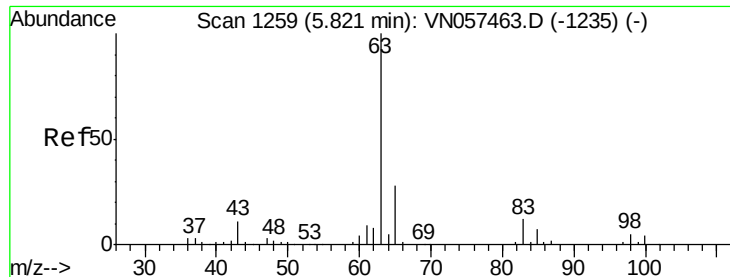
#20
Diisopropyl ether
Concen: 133.215 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 45 Resp: 1841507
Ion Ratio Lower Upper
45 100
43 57.4 49.9 74.9
87 23.3 19.1 28.7
59 10.2 8.3 12.5



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

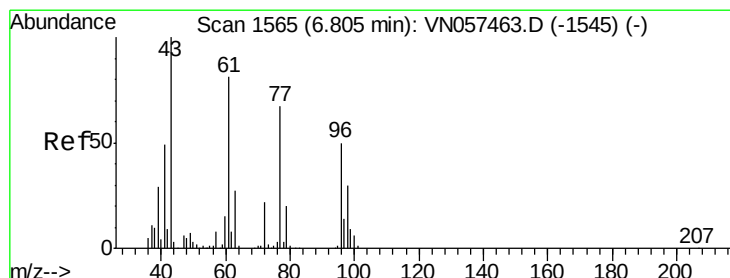
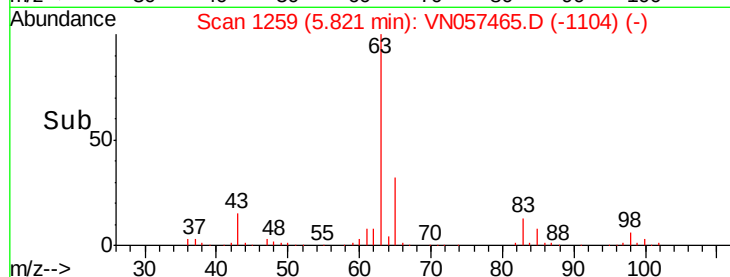
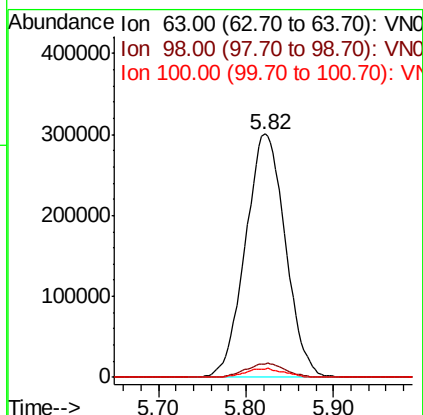
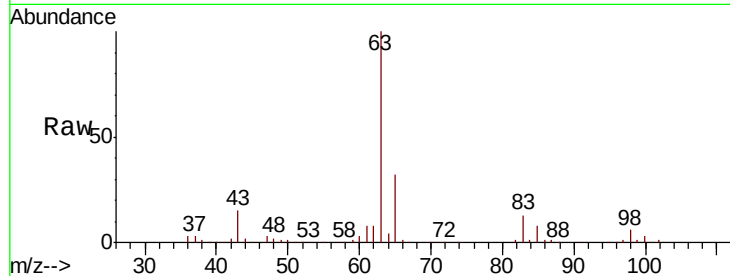




#21
 1,1-Dichloroethane
 Concen: 116.846 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

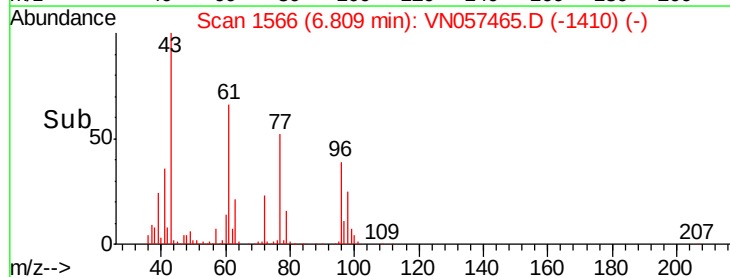
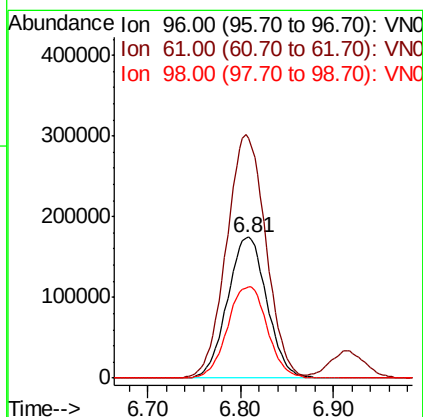
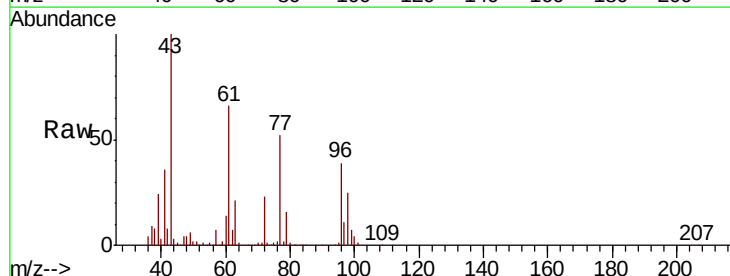
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

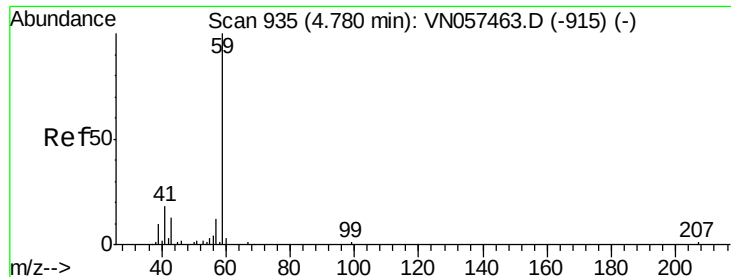
Tgt Ion: 63 Resp: 952831
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.4 7.1
 100 3.4 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 98.212 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 96 Resp: 512761
 Ion Ratio Lower Upper
 96 100
 61 173.4 134.4 201.6
 98 65.9 51.4 77.0

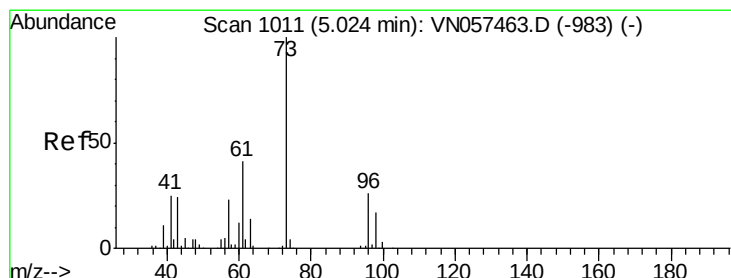
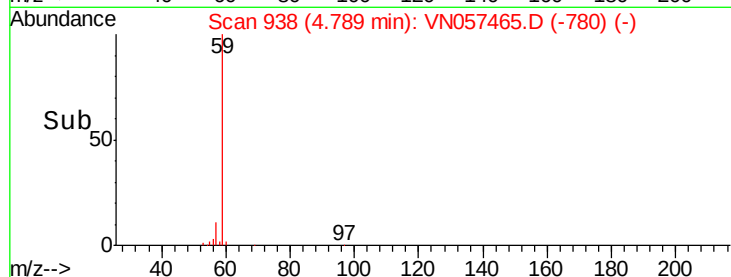
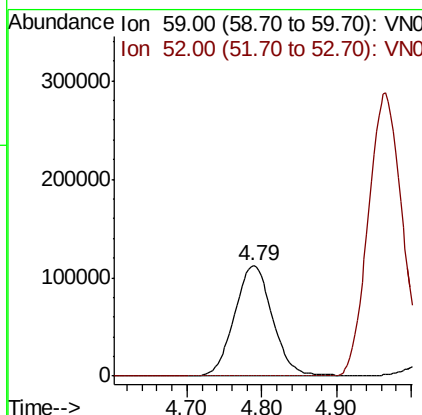
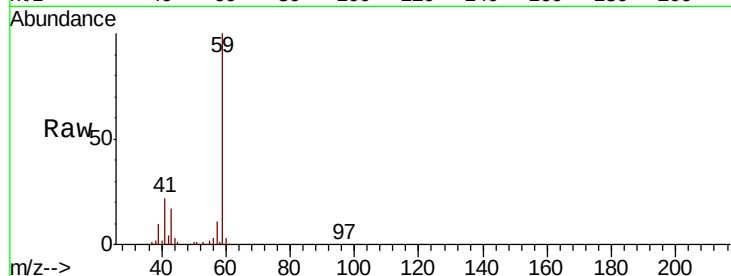




#23
 tert-Butyl Alcohol
 Concen: 566.077 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

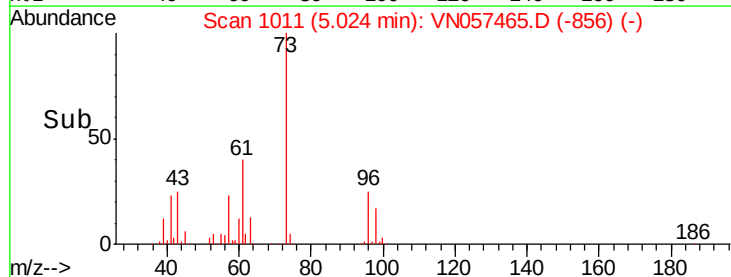
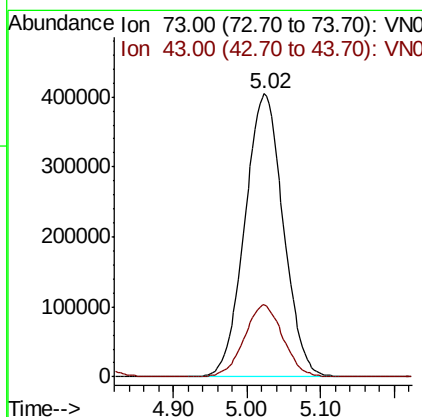
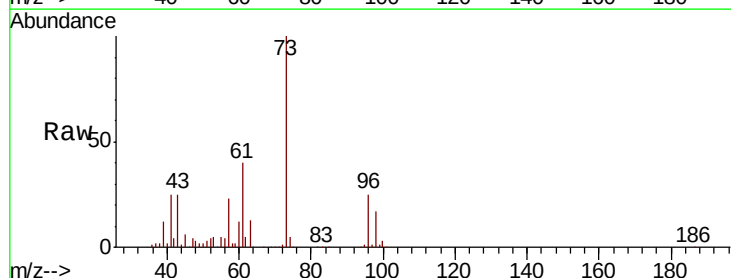
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

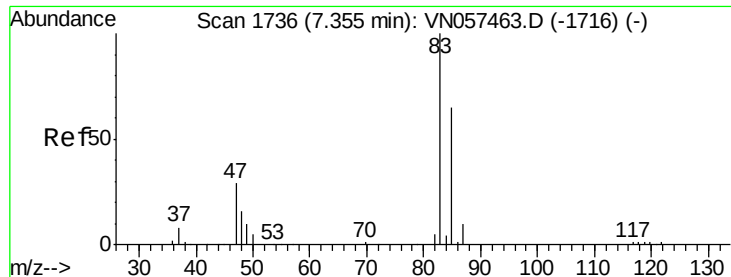
Tgt Ion: 59 Resp: 397751
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1



#24
 Methyl tert-Butyl Ether
 Concen: 111.859 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 73 Resp: 1467508
 Ion Ratio Lower Upper
 73 100
 43 25.0 20.1 30.1

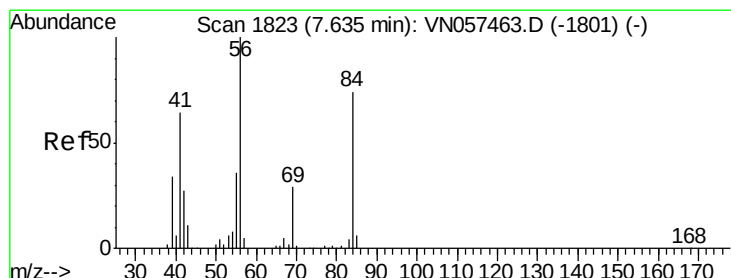
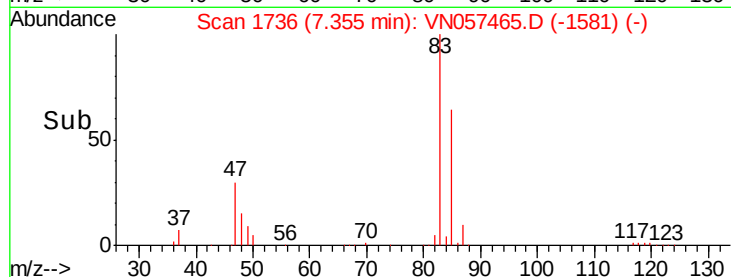
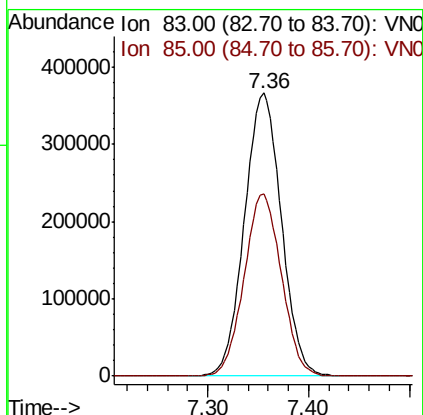
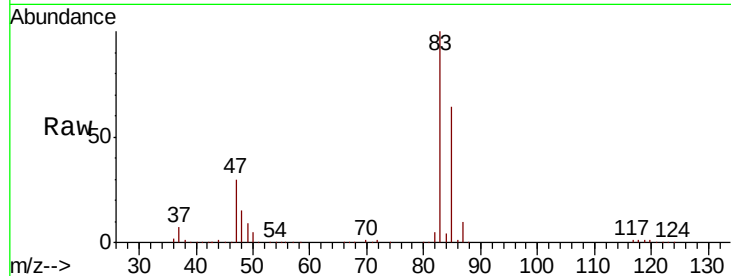




#25
Chloroform
Concen: 110.832 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

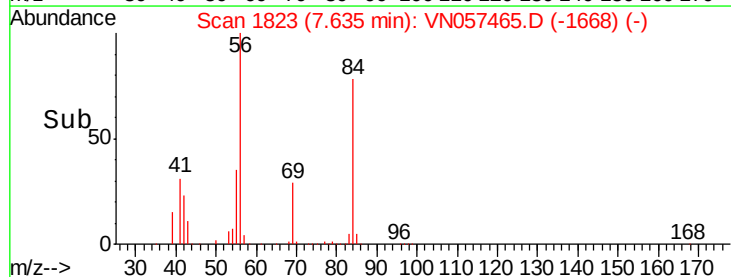
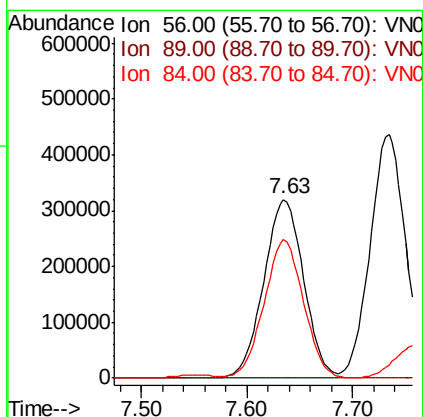
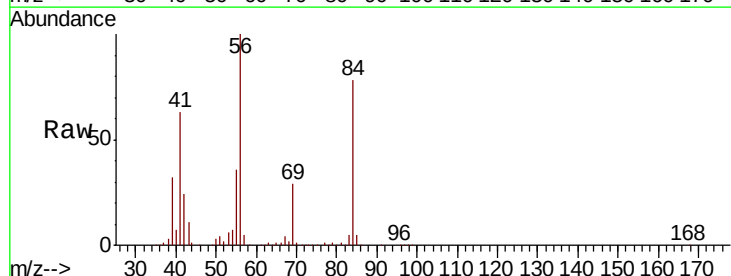
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

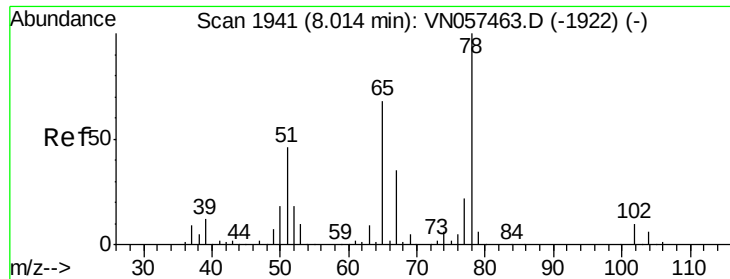
Tgt Ion: 83 Resp: 929755
Ion Ratio Lower Upper
83 100
85 64.5 52.0 78.0



#26
Cyclohexane
Concen: 122.309 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 56 Resp: 839820
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.6 61.1 91.7

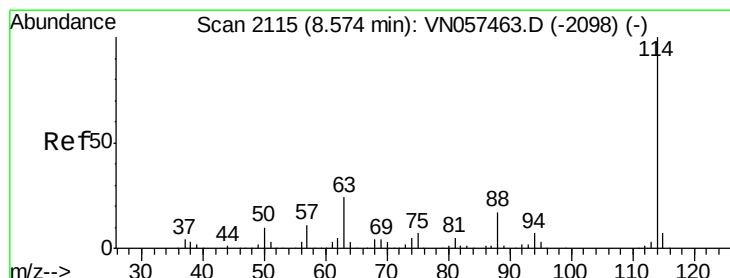
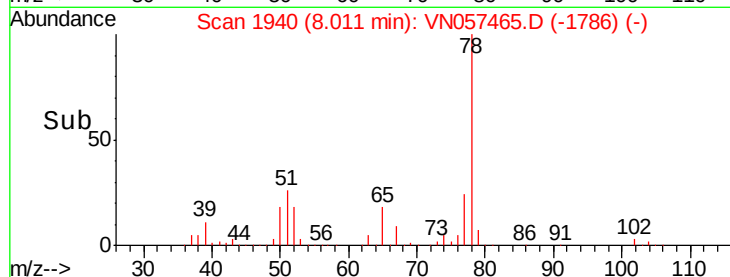
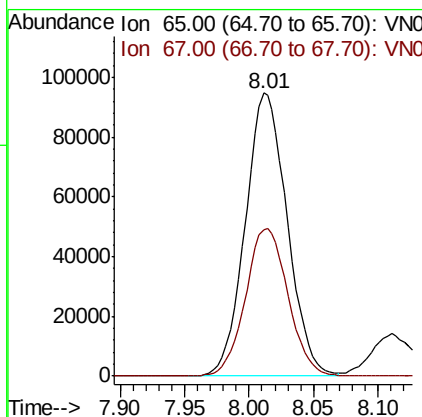
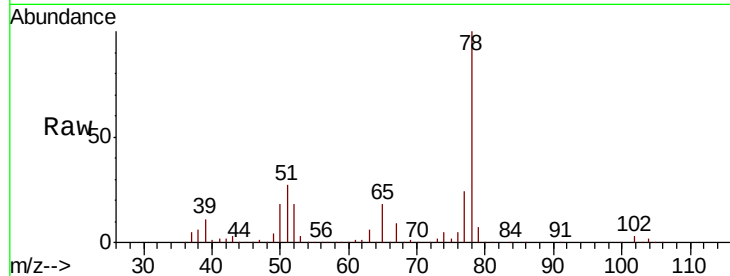




#27
 1,2-Dichloroethane-d4
 Concen: 39.683 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

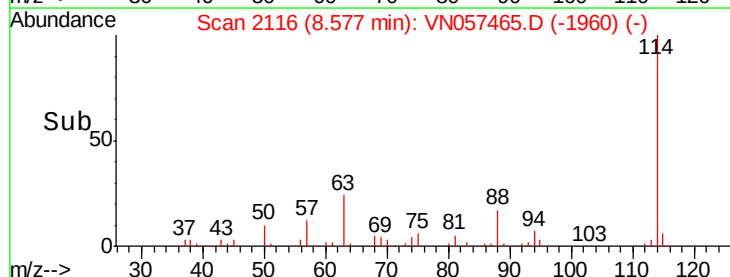
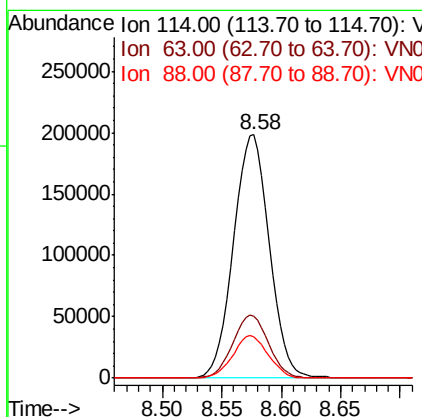
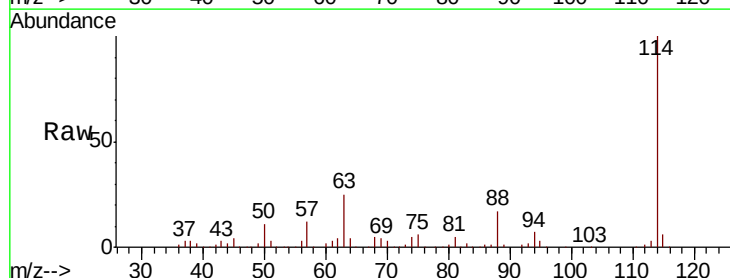
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

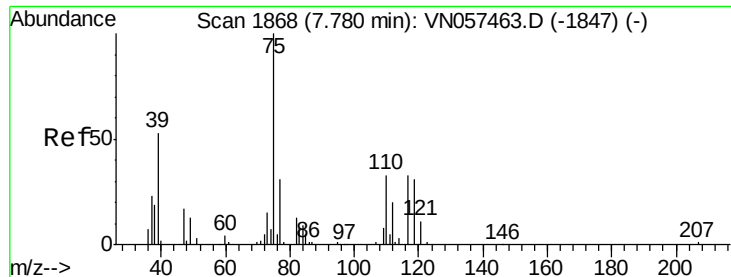
Tgt Ion: 65 Resp: 214454
 Ion Ratio Lower Upper
 65 100
 67 52.6 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 114 Resp: 414341
 Ion Ratio Lower Upper
 114 100
 63 25.8 19.6 29.4
 88 17.2 13.1 19.7

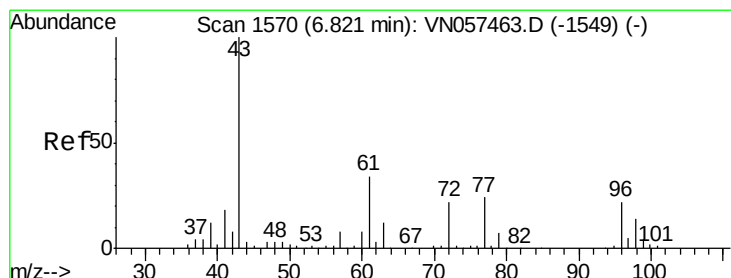
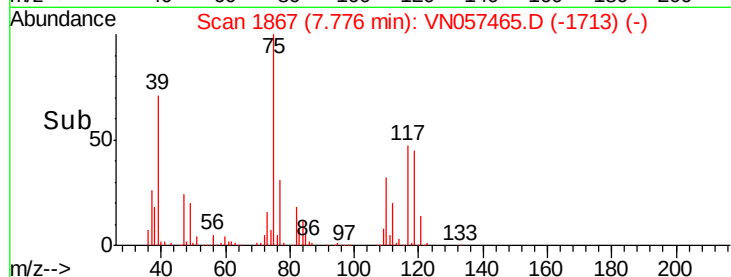
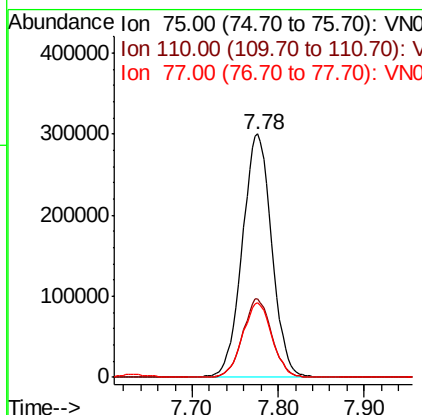
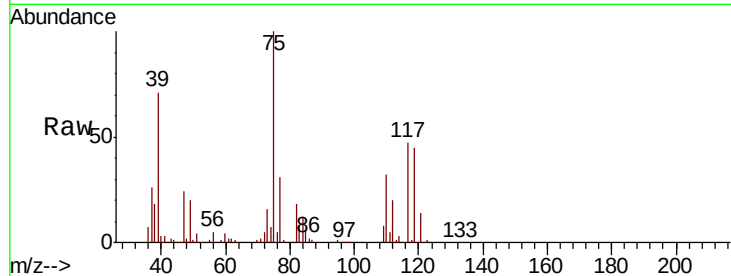




#29
 1,1-Dichloropropene
 Concen: 116.001 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

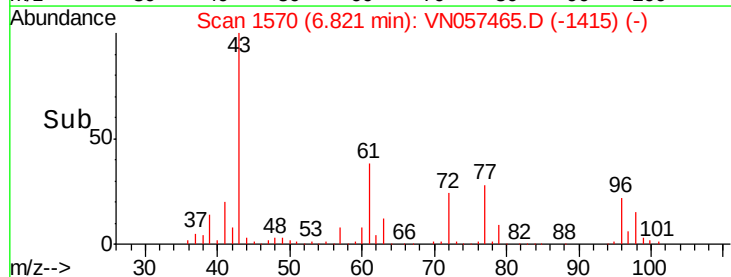
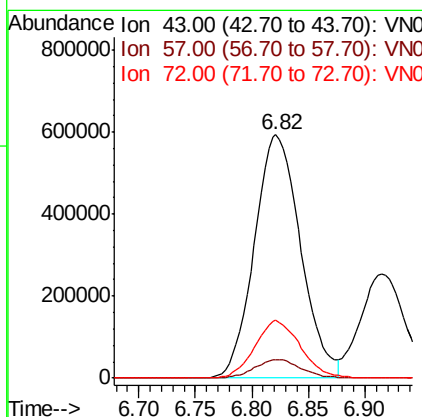
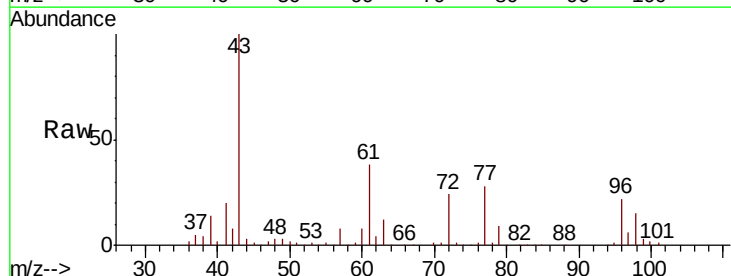
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

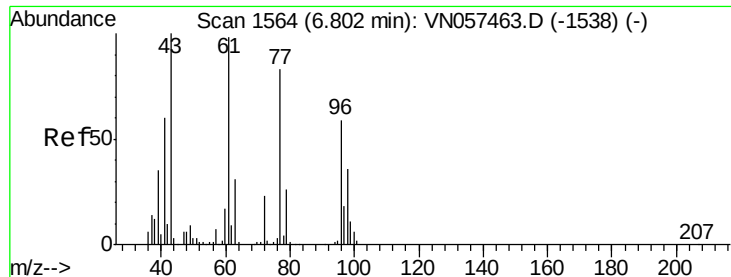
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	0.0	64.0
77	30.7	0.0	63.4



#30
 2-Butanone
 Concen: 651.427 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	5.7	8.5
72	23.4	18.2	27.2

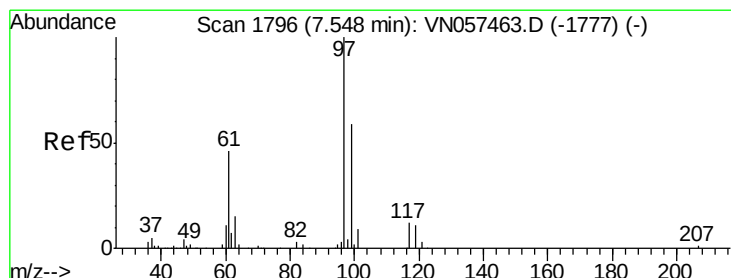
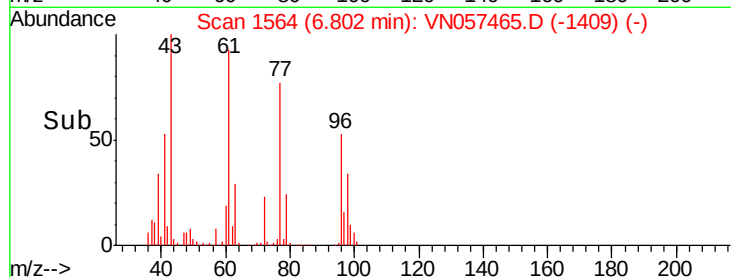
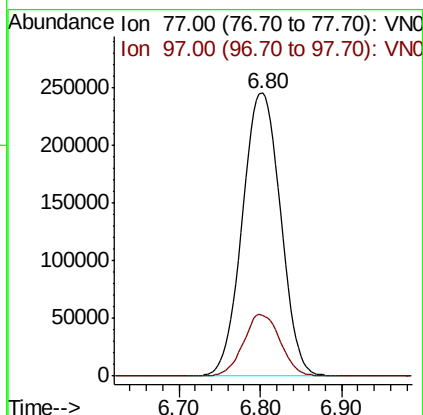
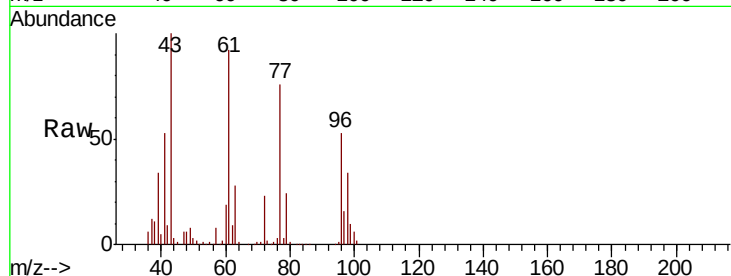




#31
 2,2-Dichloropropane
 Concen: 116.849 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

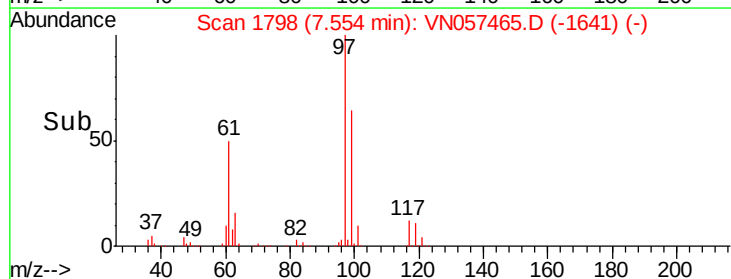
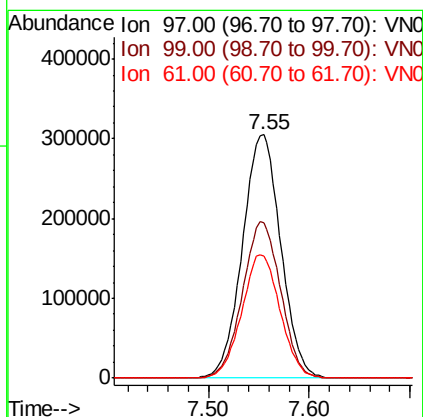
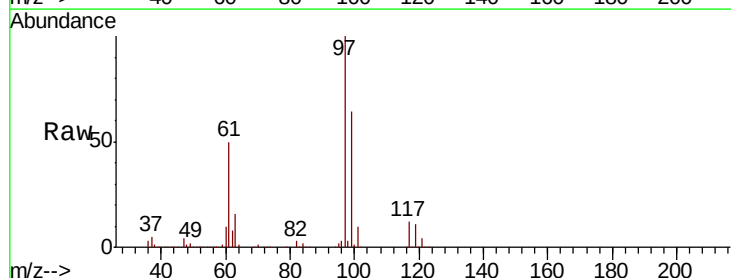
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

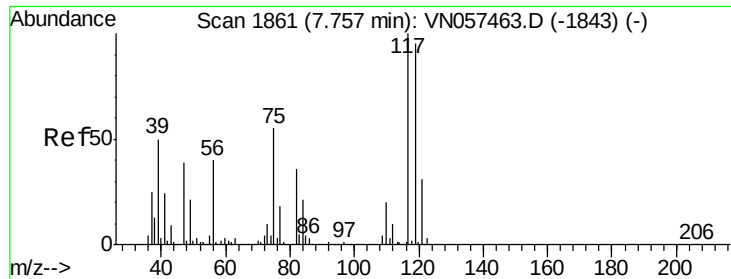
Tgt Ion: 77 Resp: 797470
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.0 25.4



#32
 1,1,1-Trichloroethane
 Concen: 111.451 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 97 Resp: 804435
 Ion Ratio Lower Upper
 97 100
 99 64.0 49.6 74.4
 61 50.8 40.9 61.3

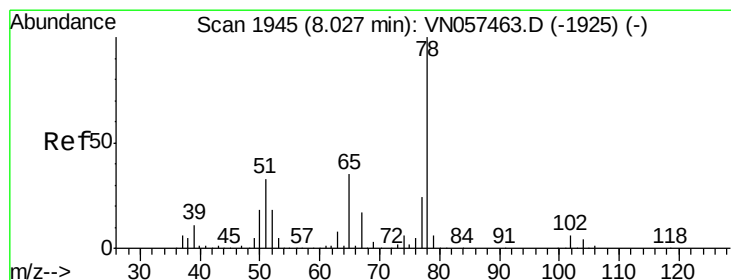
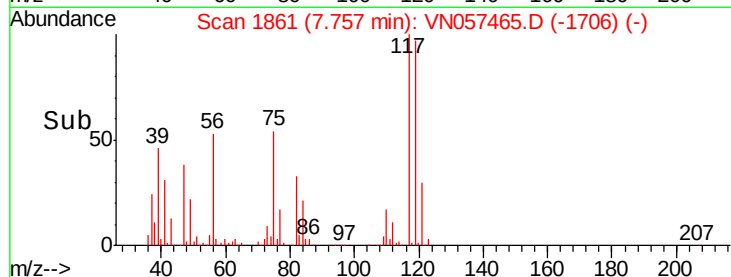
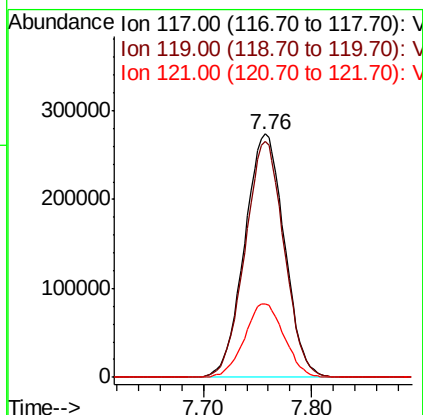
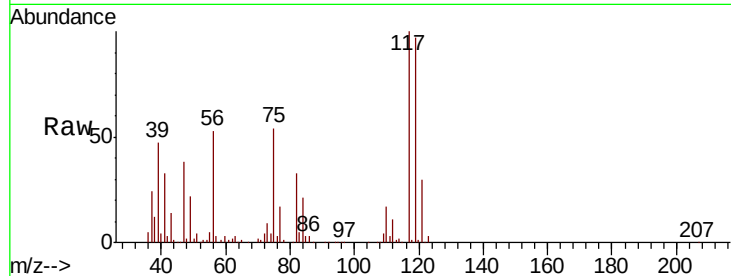




#33
Carbon Tetrachloride
Concen: 110.596 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

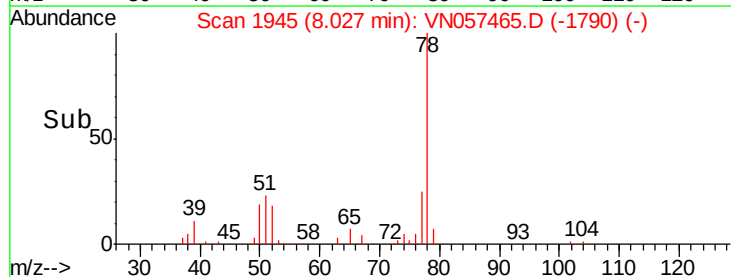
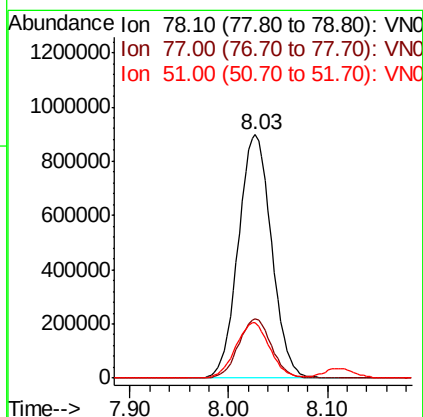
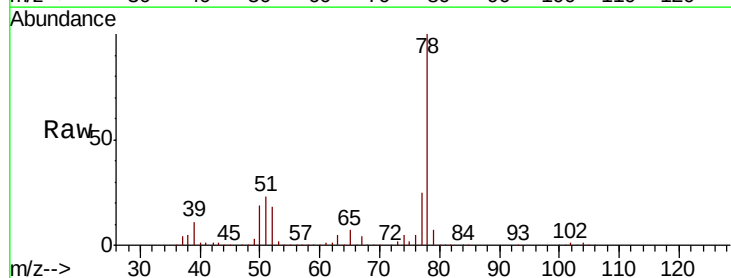
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

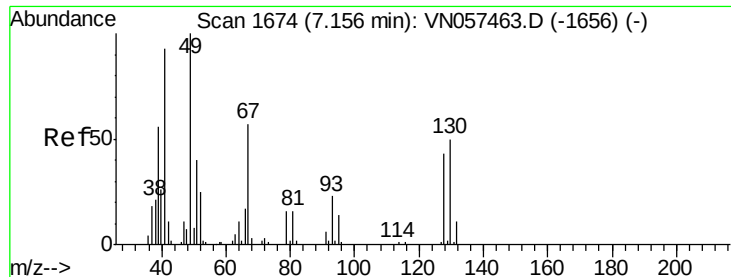
Tgt Ion:117 Resp: 701899
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2
121 29.9 24.8 37.2



#34
Benzene
Concen: 112.379 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 78 Resp: 2091492
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3
51 22.6 26.0 39.0#

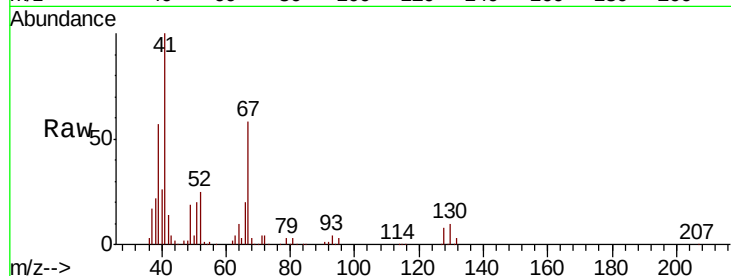




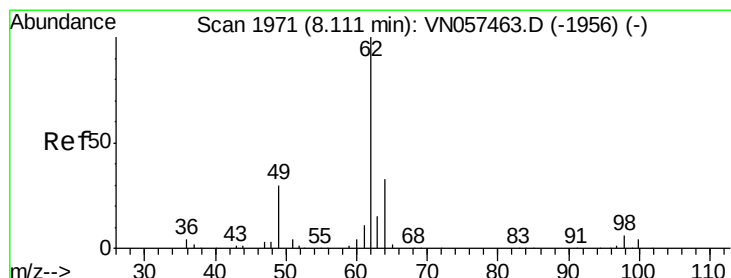
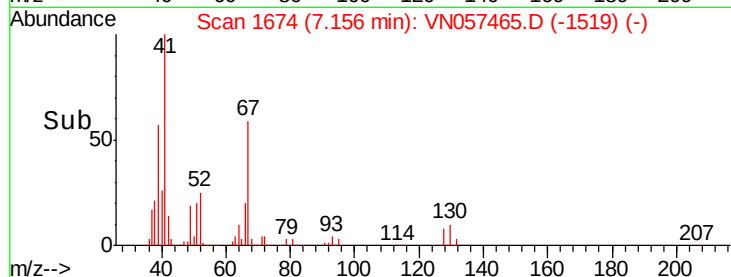
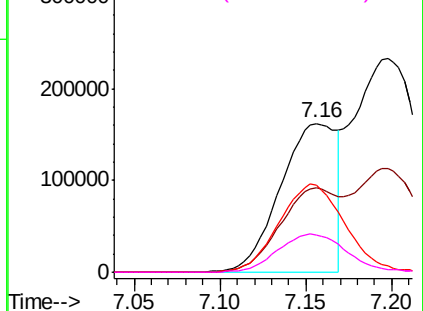
#35
Methacrylonitrile
Concen: 109.558 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	367186
Ion	Ratio	Lower	Upper
41	100		
39	56.3	30.5	91.5
67	58.5	30.9	92.5
52	24.9	13.6	40.8

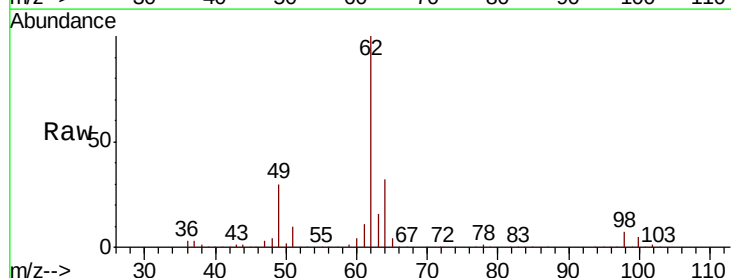


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

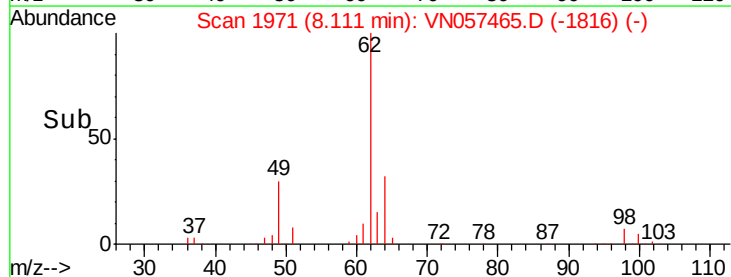
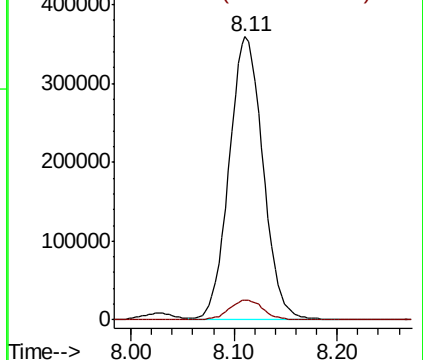


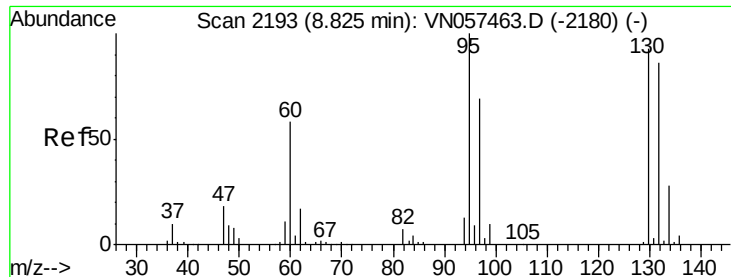
#36
1,2-Dichloroethane
Concen: 130.185 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion:	62	Resp:	822384
Ion	Ratio	Lower	Upper
62	100		
98	7.1	2.8	4.2#



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





#37

Trichloroethene

Concen: 91.856 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

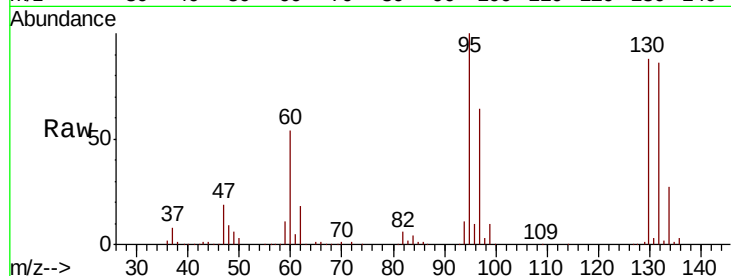
VSTDIC100

Tgt Ion:130 Resp: 475132

Ion Ratio Lower Upper

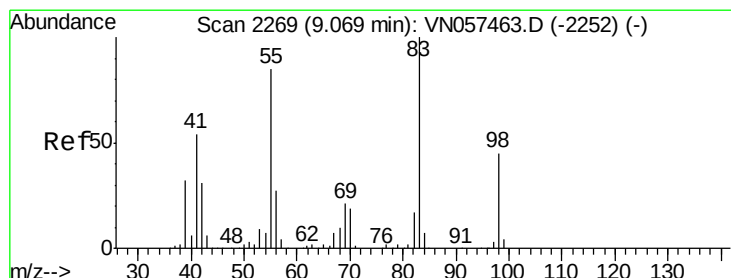
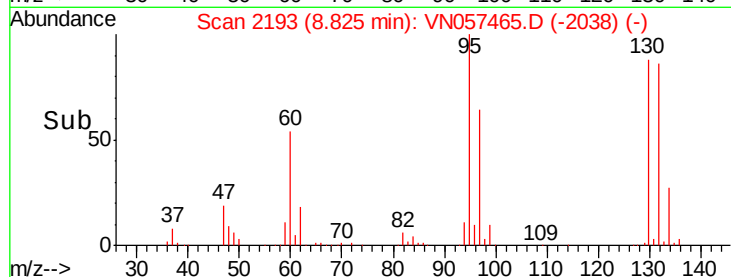
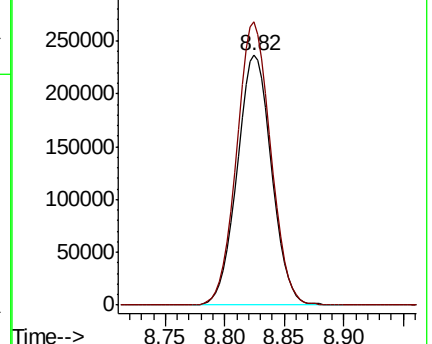
130 100

95 113.2 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 112.375 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

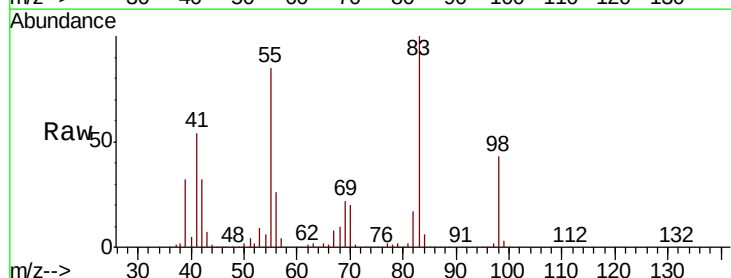
Tgt Ion: 83 Resp: 808131

Ion Ratio Lower Upper

83 100

55 84.5 43.3 129.8

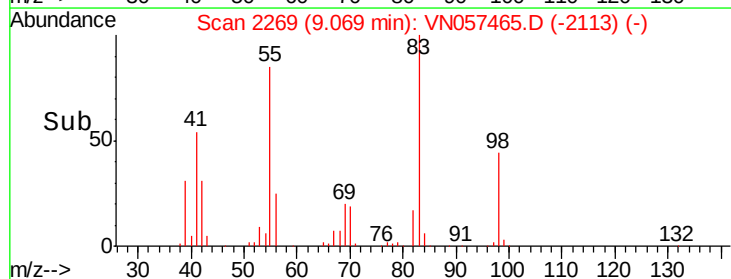
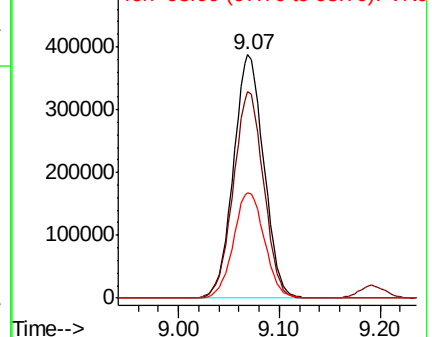
98 44.4 22.8 68.4

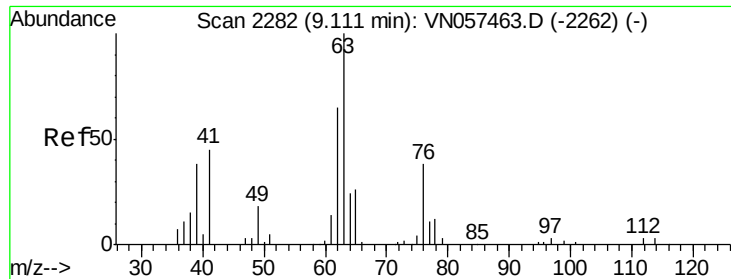


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

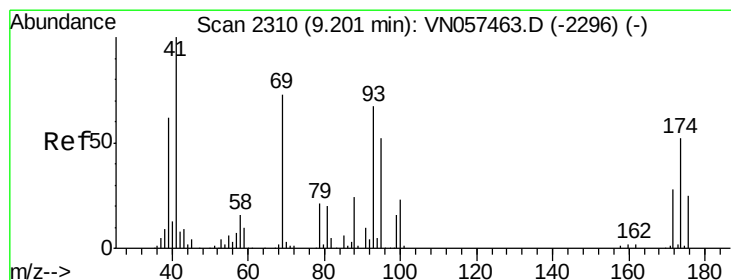
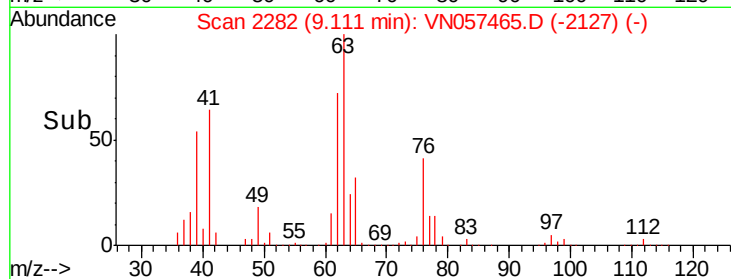
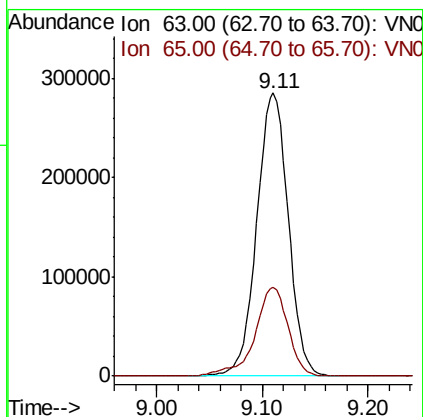
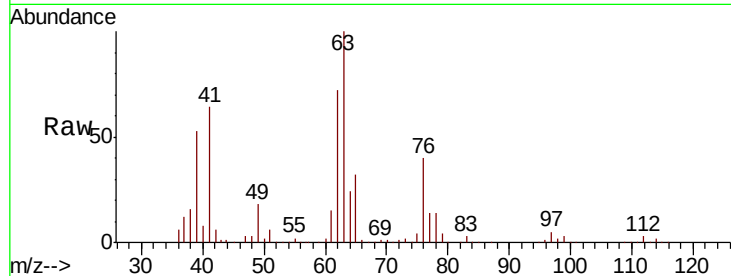




#39
 1,2-Dichloropropane
 Concen: 121.959 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

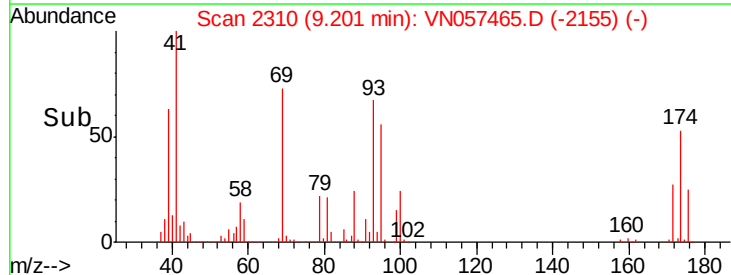
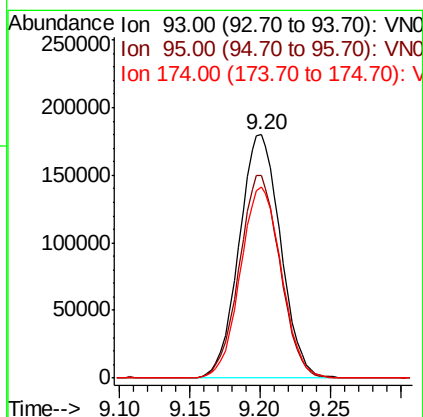
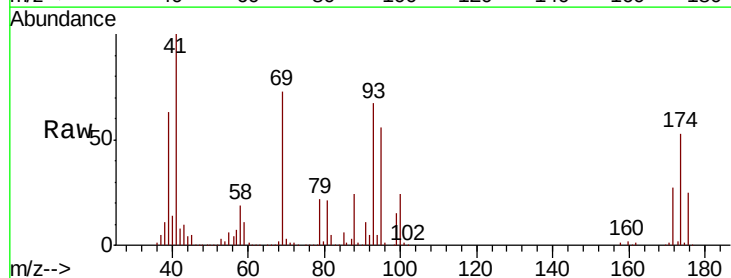
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

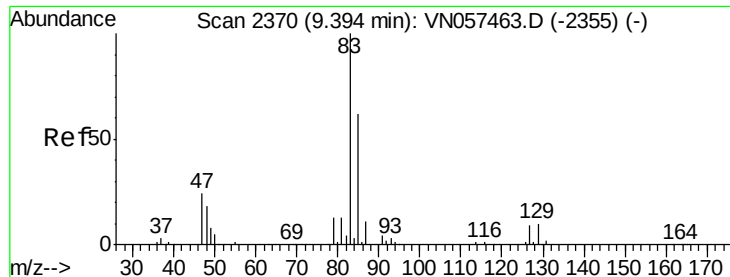
Tgt Ion: 63 Resp: 593963
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.6 32.4



#40
 Dibromomethane
 Concen: 116.667 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 93 Resp: 370071
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 160.8
 174 77.8 0.0 157.2





#41

Bromodichloromethane

Concen: 122.865 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

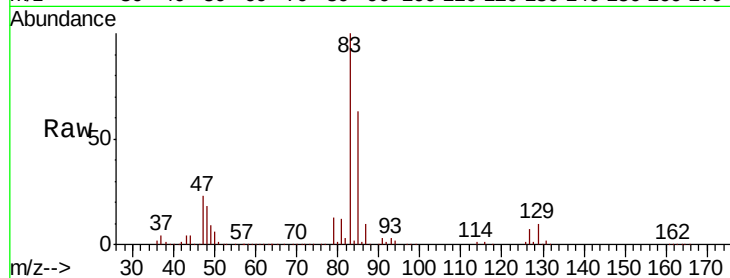
Tgt Ion: 83 Resp: 794295

Ion Ratio Lower Upper

83 100

85 63.0 49.8 74.8

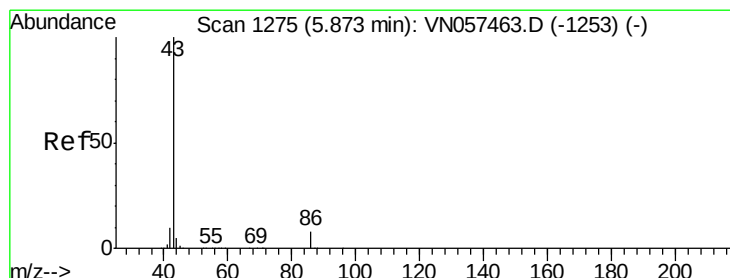
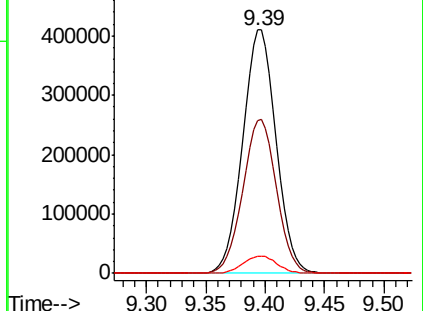
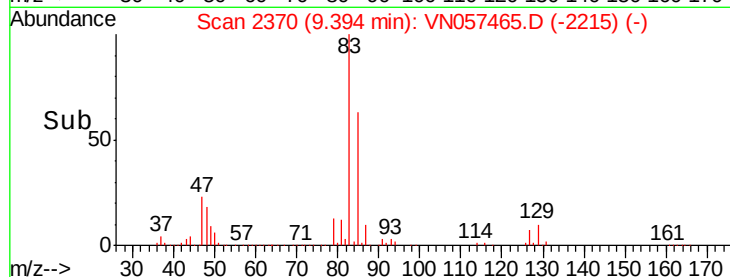
127 7.2 7.6 11.4#



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: 708.750 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057465.D

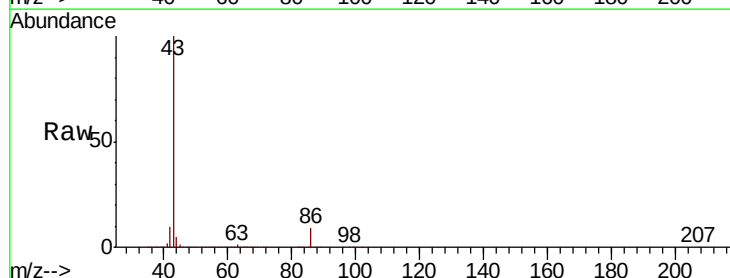
Acq: 23 Aug 2019 10:28

Tgt Ion: 43 Resp: 7725930

Ion Ratio Lower Upper

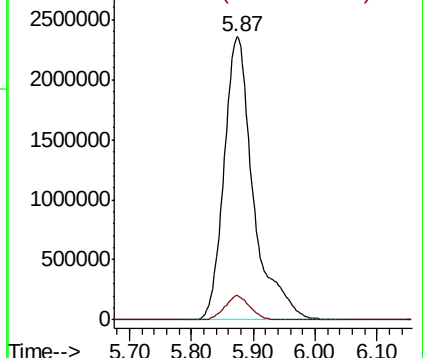
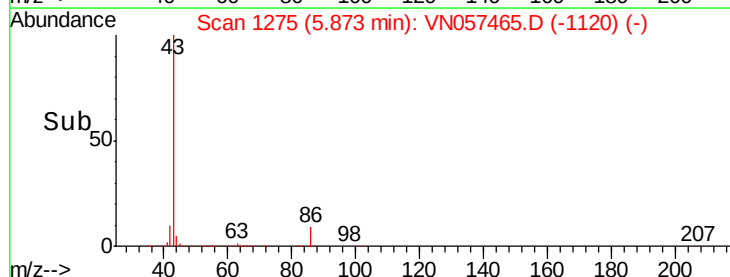
43 100

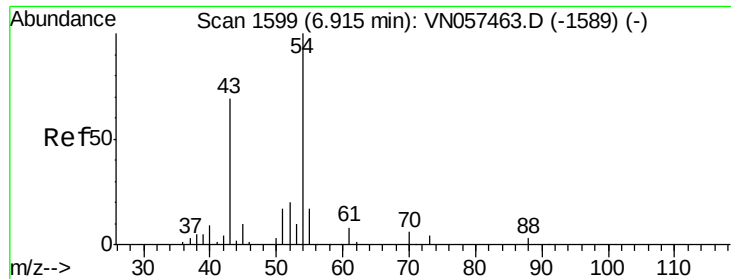
86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

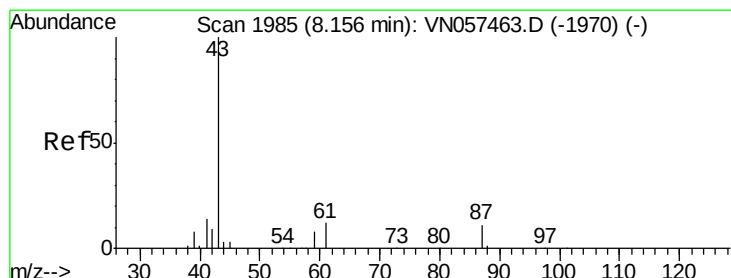
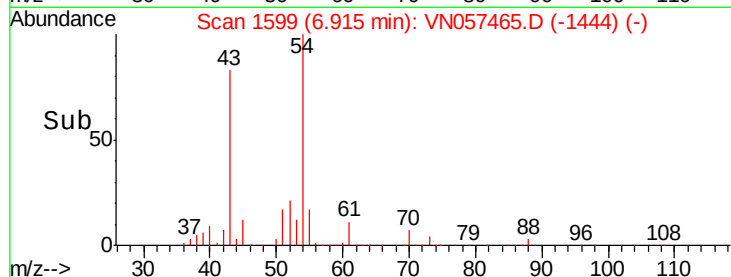
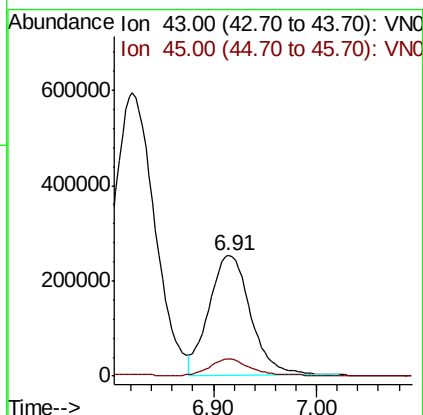
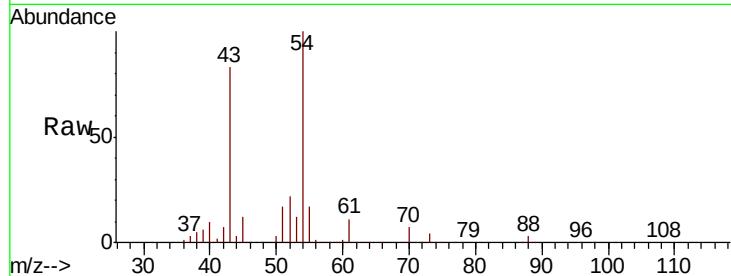




#43
Ethyl Acetate
Concen: 135.595 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

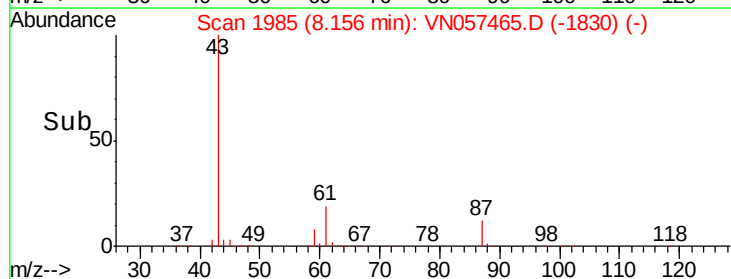
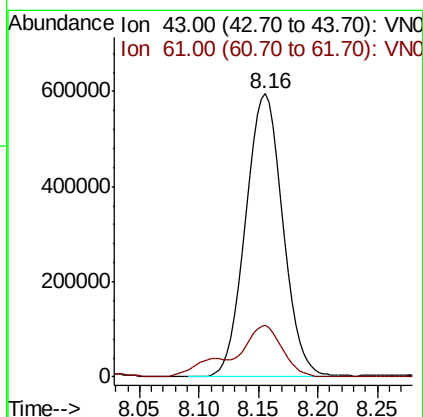
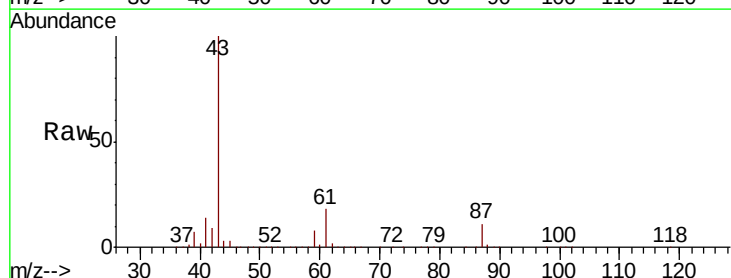
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

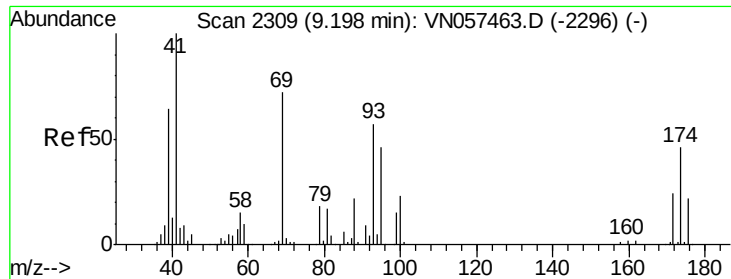
Tgt Ion: 43 Resp: 702776
Ion Ratio Lower Upper
43 100
45 13.3 11.0 16.4



#44
Isopropyl Acetate
Concen: 138.719 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 43 Resp: 1287490
Ion Ratio Lower Upper
43 100
61 17.5 0.1 0.1#

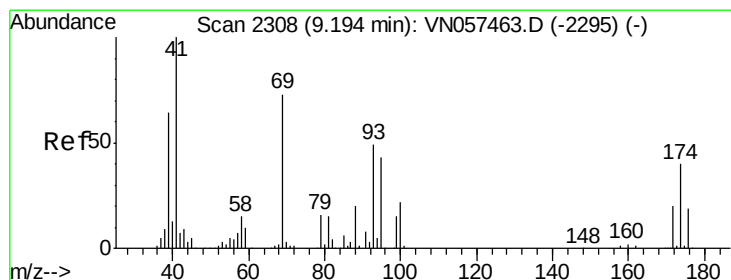
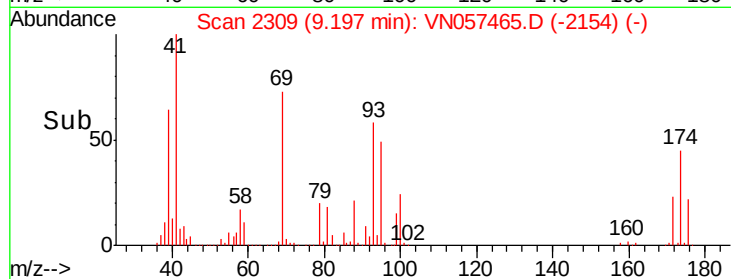
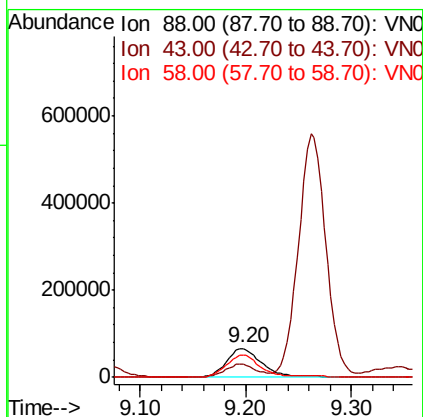
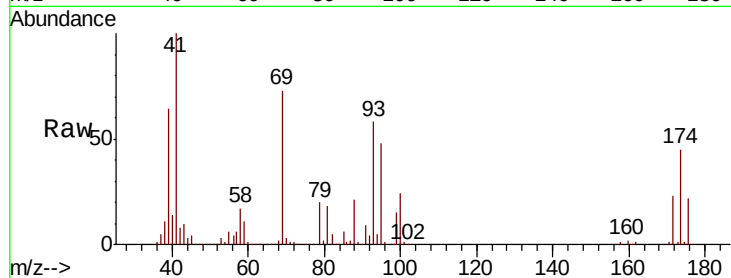




#45
 1,4-Dioxane
 Concen: 1955.470 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

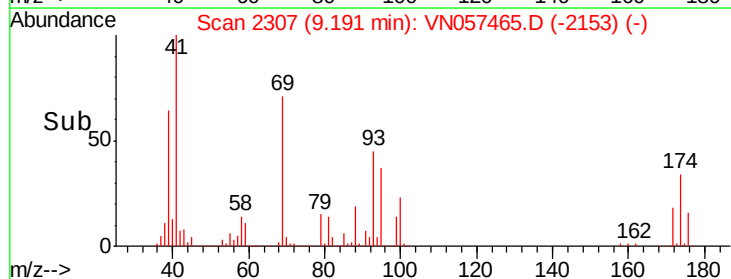
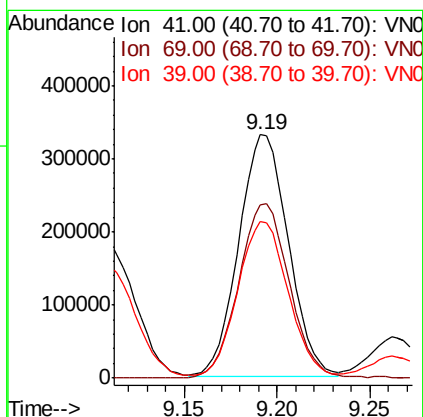
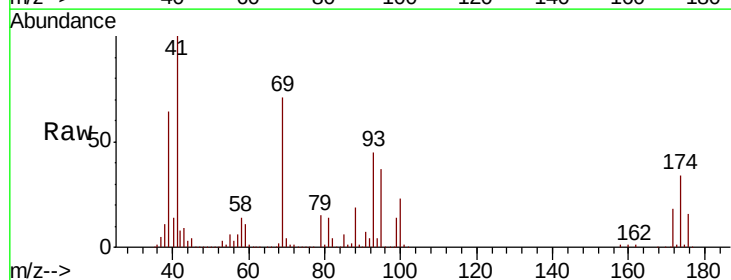
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

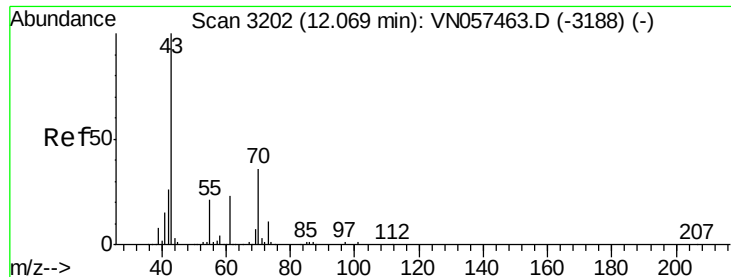
Tgt Ion: 88 Resp: 155275
 Ion Ratio Lower Upper
 88 100
 43 38.1 29.8 44.6
 58 72.6 62.2 93.2



#46
 Methyl methacrylate
 Concen: 146.085 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 41 Resp: 616401
 Ion Ratio Lower Upper
 41 100
 69 71.8 36.5 109.5
 39 64.0 32.1 96.3

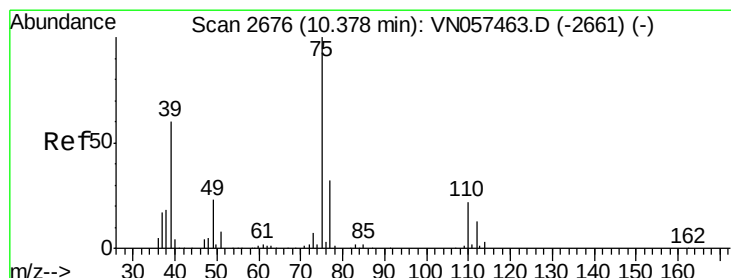
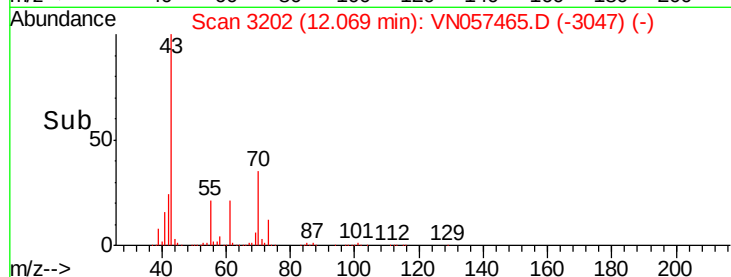
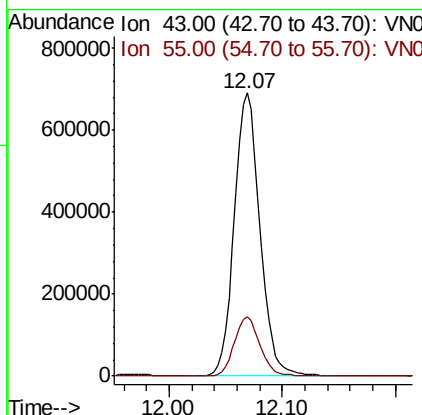
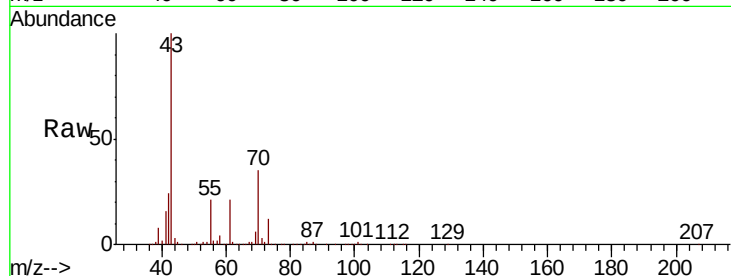




#47
n-amyl Acetate
Concen: 155.764 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

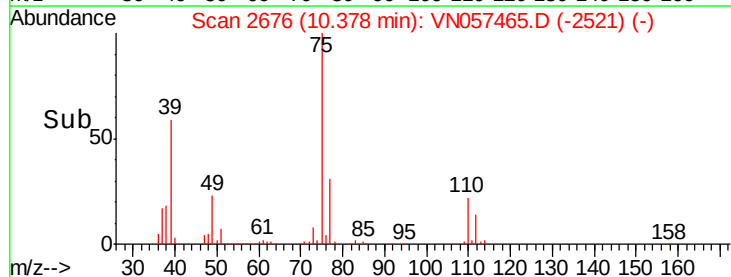
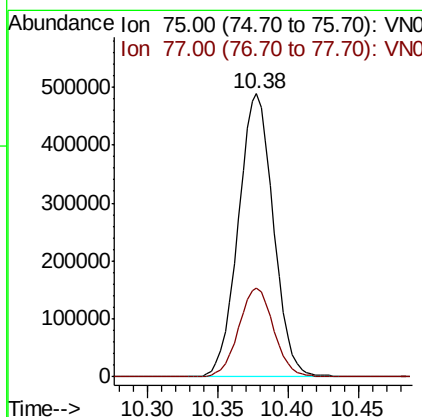
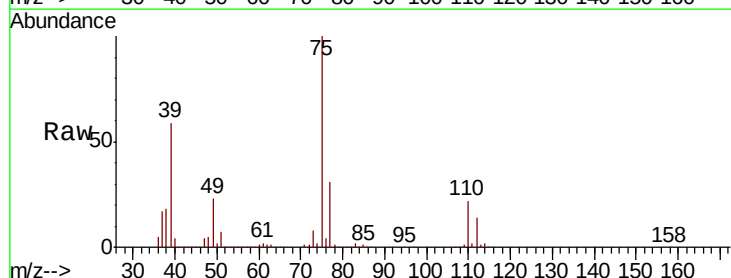
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

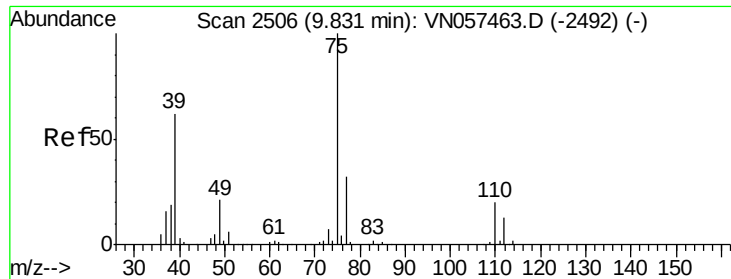
Tgt Ion: 43 Resp: 1088223
Ion Ratio Lower Upper
43 100
55 20.8 17.0 25.6



#48
t-1,3-Dichloropropene
Concen: 122.598 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 75 Resp: 851027
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5

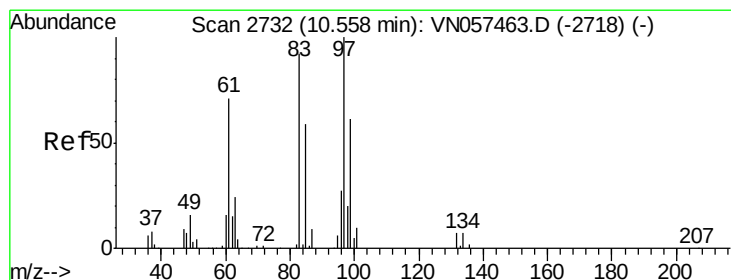
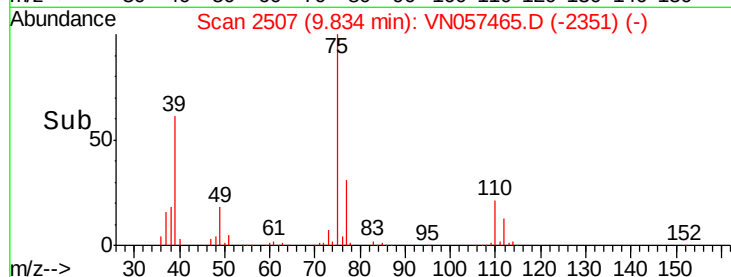
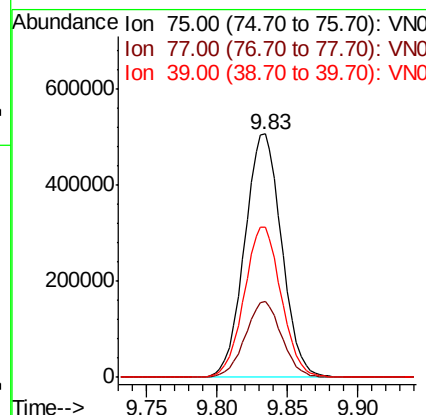
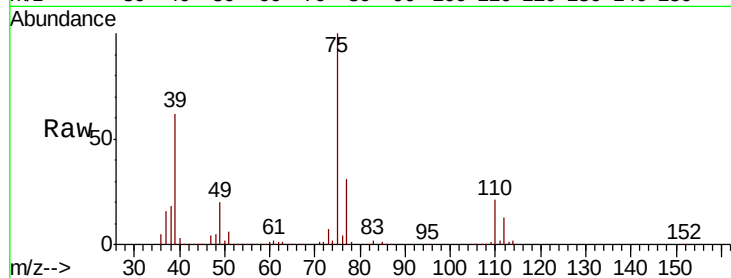




#49
 cis-1,3-Dichloropropene
 Concen: 120.584 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

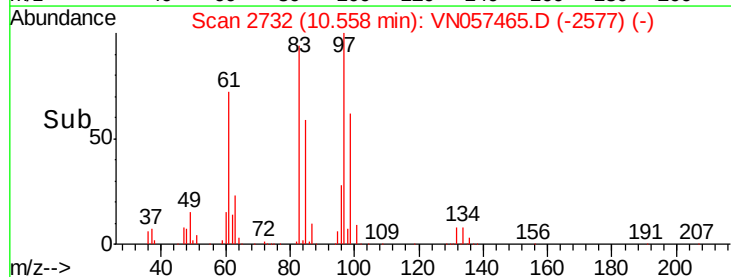
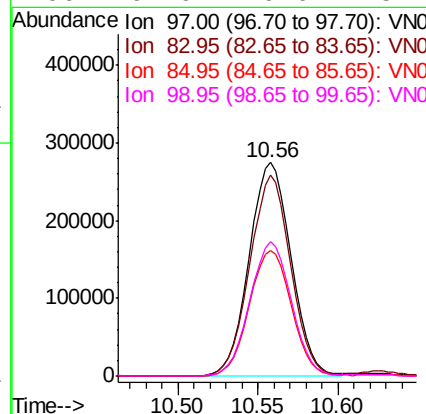
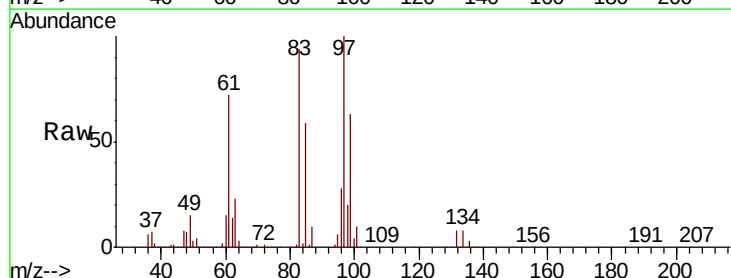
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

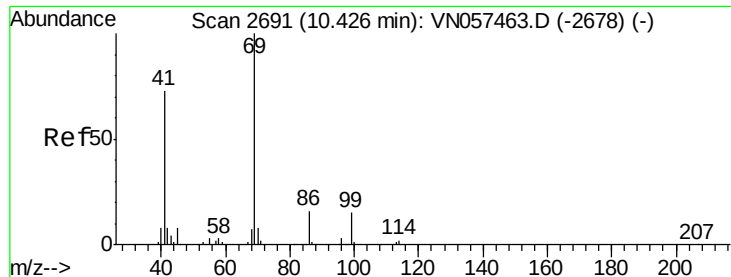
Tgt Ion: 75 Resp: 931763
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 61.4 49.8 74.6



#50
 1,1,2-Trichloroethane
 Concen: 108.673 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 97 Resp: 492606
 Ion Ratio Lower Upper
 97 100
 83 93.9 73.2 109.8
 85 59.0 47.1 70.7
 99 62.9 49.0 73.4





#51

Ethyl methacrylate

Concen: 124.143 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

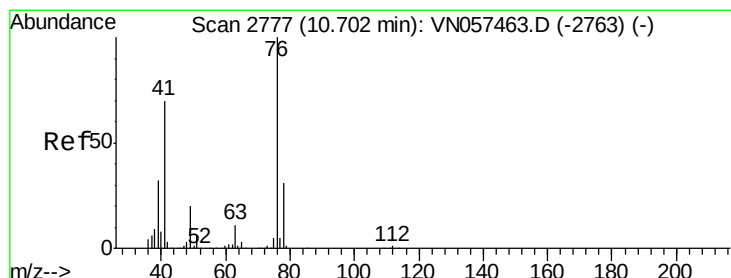
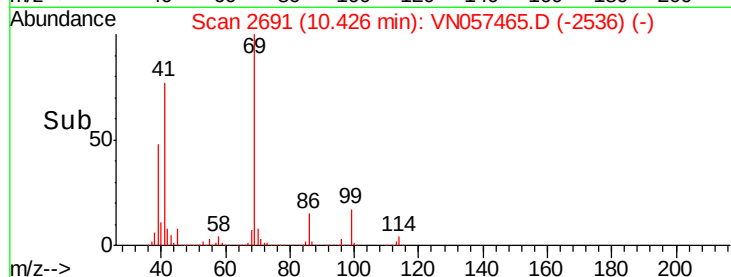
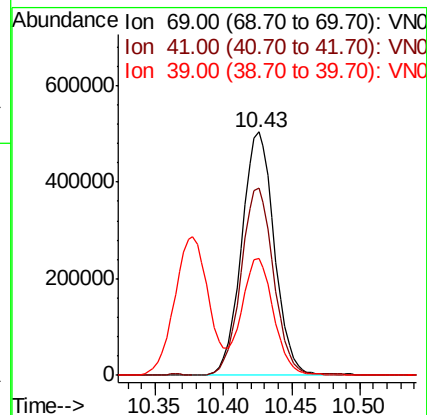
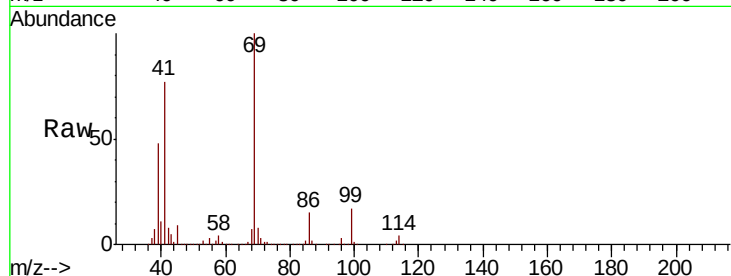
Tgt Ion: 69 Resp: 837007

Ion Ratio Lower Upper

69 100

41 76.6 37.0 111.1

39 47.9 24.4 73.4



#52

1,3-Dichloropropane

Concen: 118.070 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057465.D

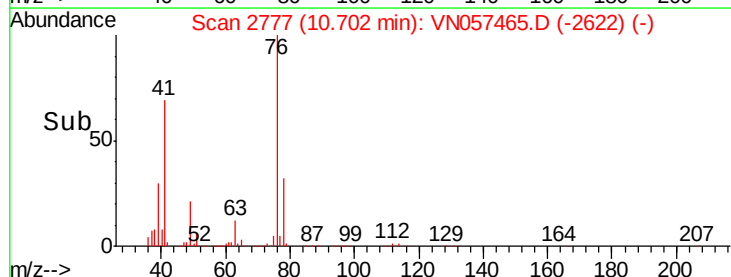
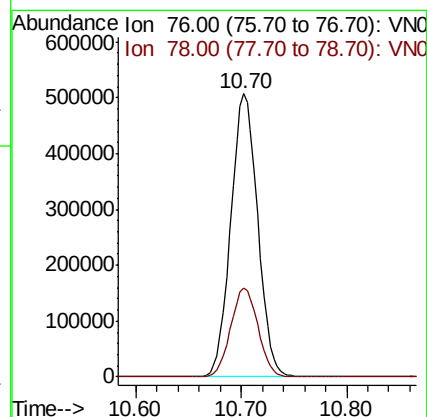
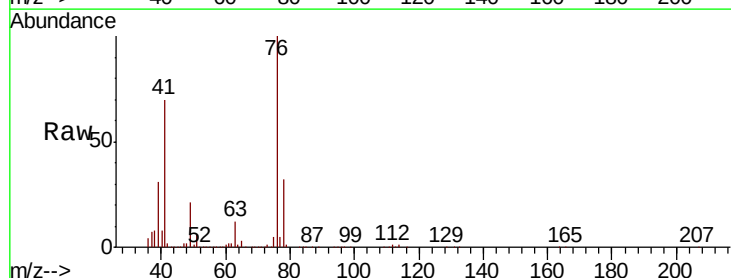
Acq: 23 Aug 2019 10:28

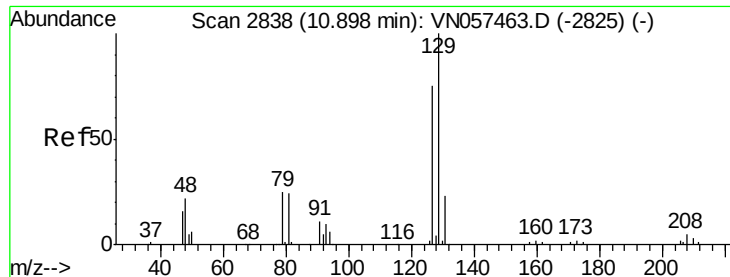
Tgt Ion: 76 Resp: 894630

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.0





#53

Dibromochloromethane

Concen: 106.656 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

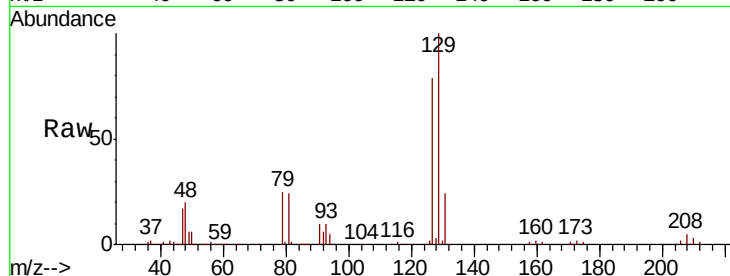
VSTDIC100

Tgt Ion:129 Resp: 546327

Ion Ratio Lower Upper

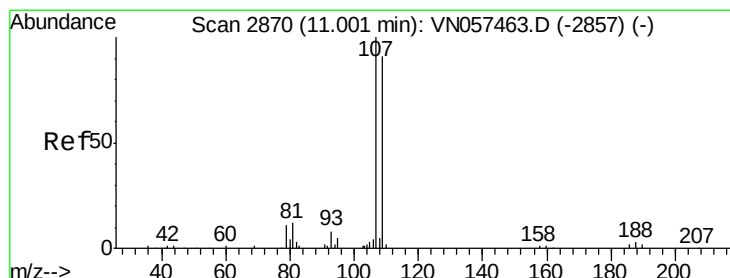
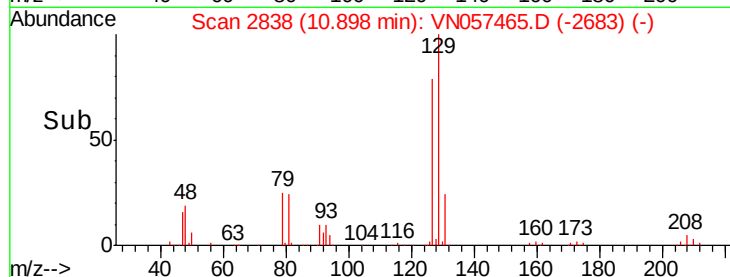
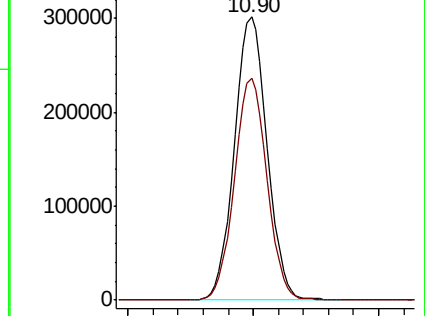
129 100

127 78.0 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: 107.942 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057465.D

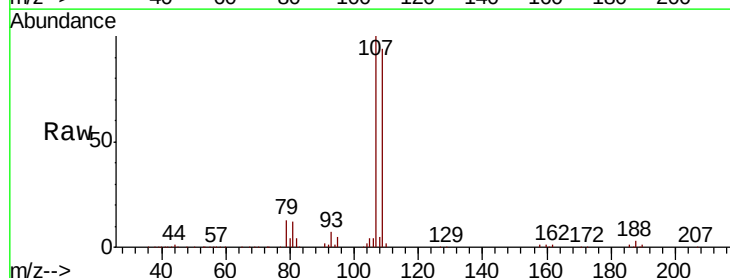
Acq: 23 Aug 2019 10:28

Tgt Ion:107 Resp: 508447

Ion Ratio Lower Upper

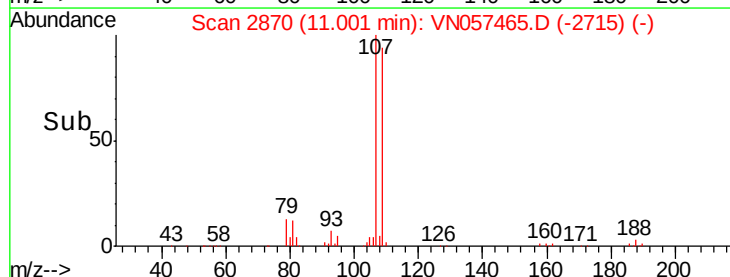
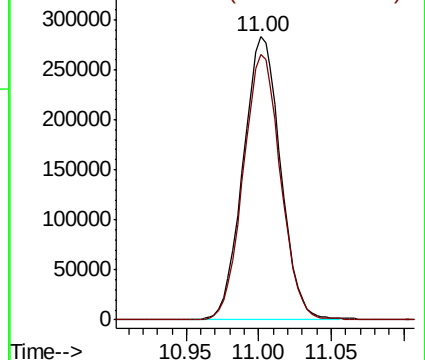
107 100

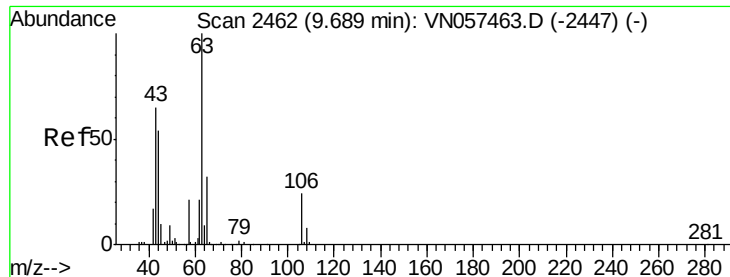
109 93.5 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



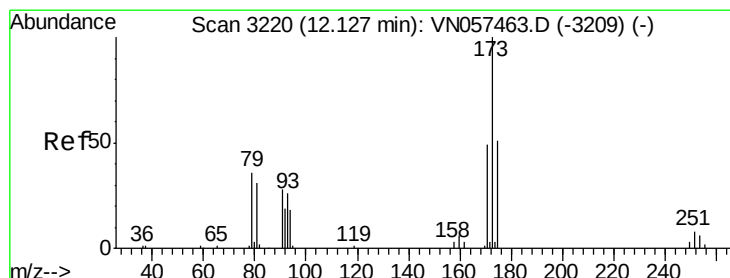
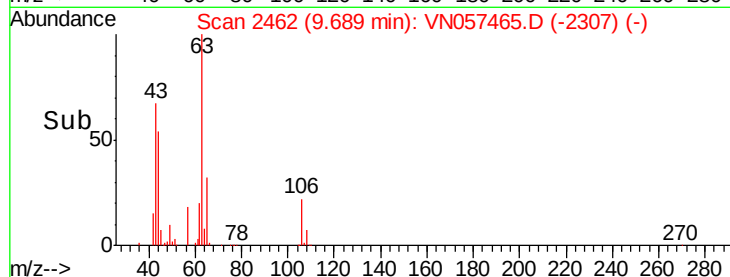
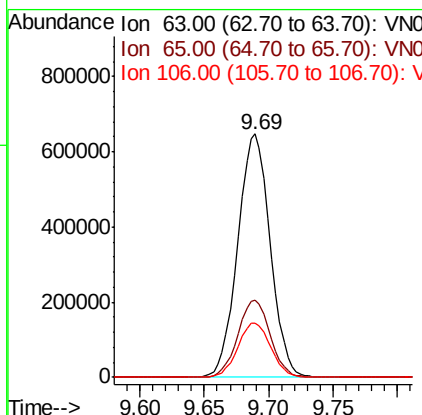
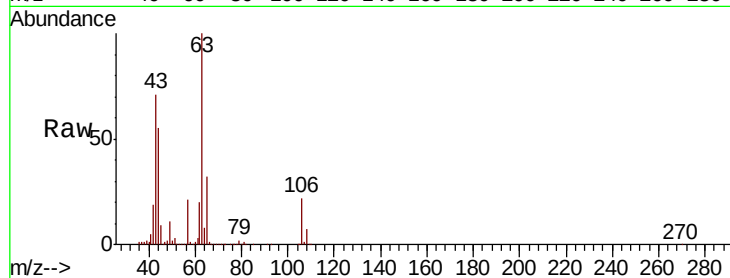


#55
 2-Chloroethyl vinyl ether
 Concen: 718.785 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1132376

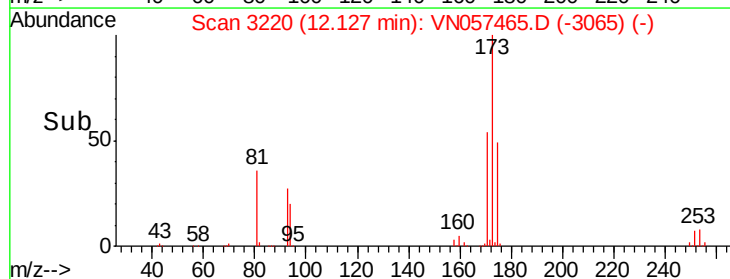
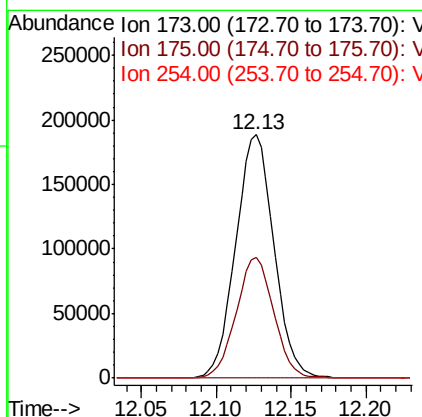
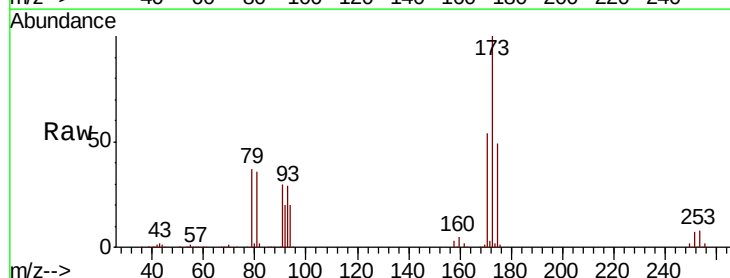
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.1	37.7
106	22.7	18.7	28.1

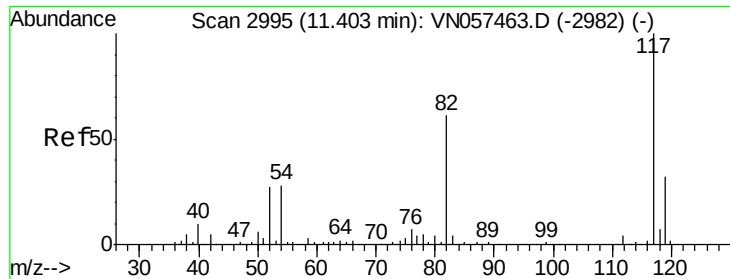


#56
 Bromoform
 Concen: 89.936 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 173 Resp: 335257

Ion	Ratio	Lower	Upper
173	100		
175	48.8	40.1	60.1
254	0.1	0.0	0.0#

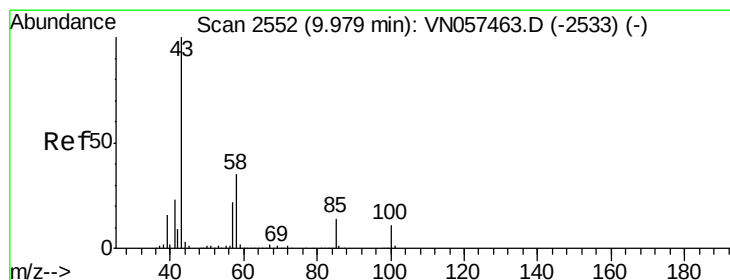
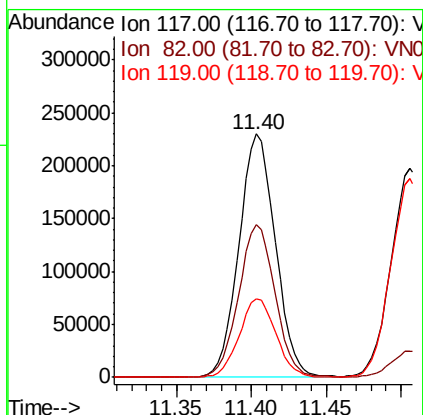
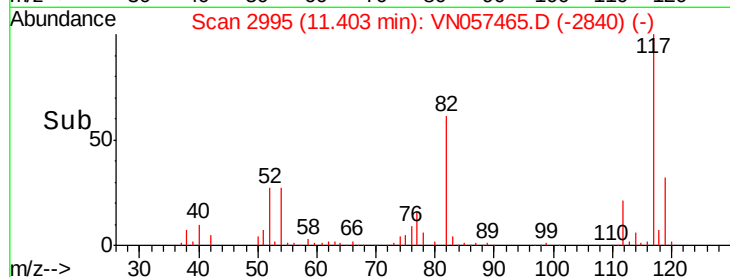
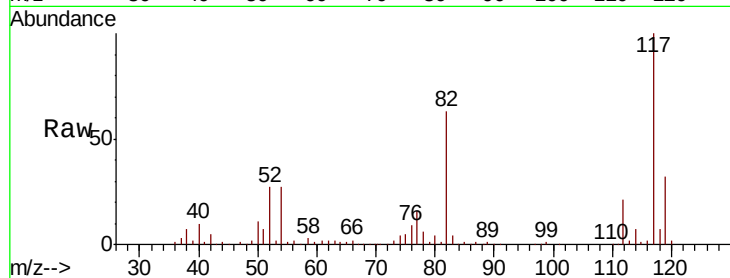




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

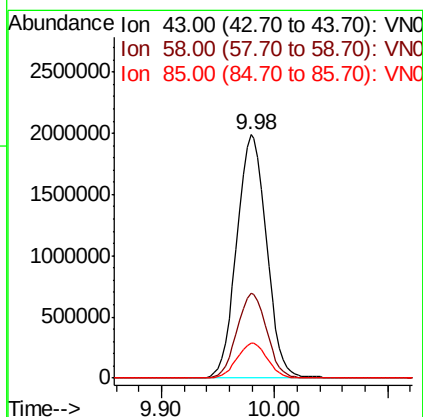
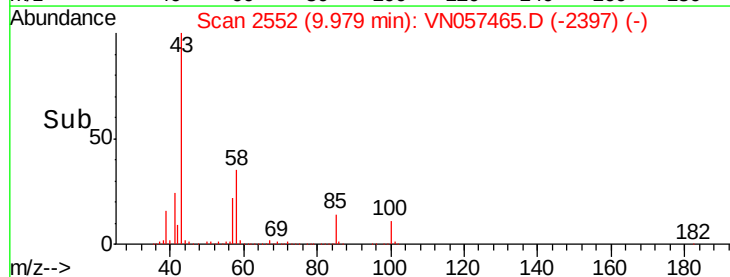
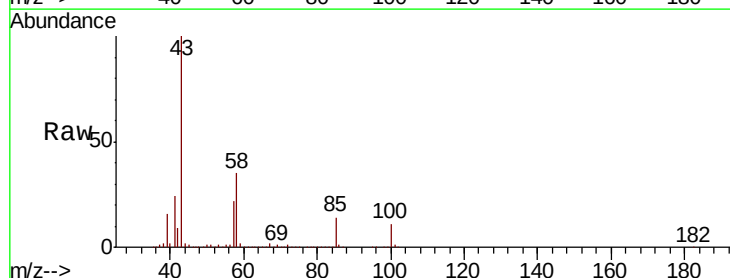
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

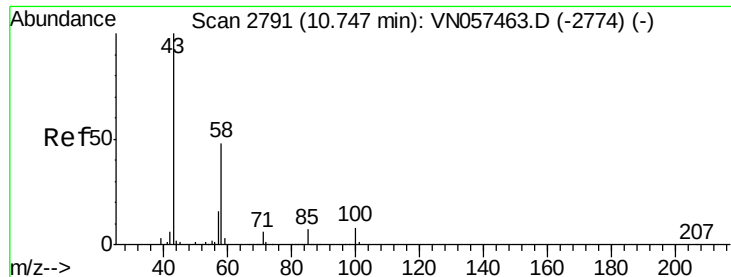
Tgt Ion: 117 Resp: 391115
Ion Ratio Lower Upper
117 100
82 62.9 50.4 75.6
119 32.4 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 648.435 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 43 Resp: 3647977
Ion Ratio Lower Upper
43 100
58 34.9 28.0 42.0
85 14.5 11.3 16.9

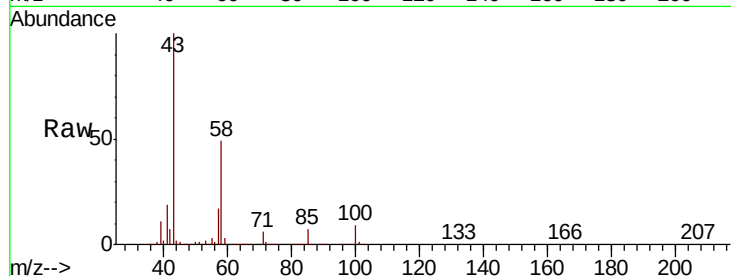




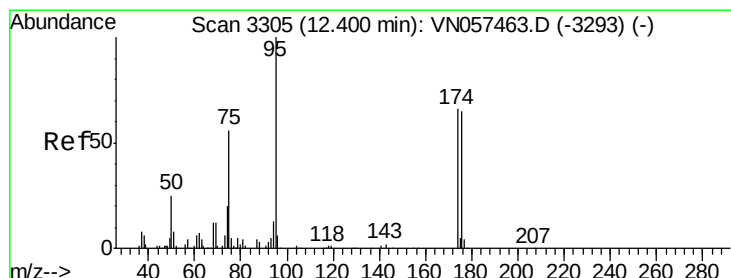
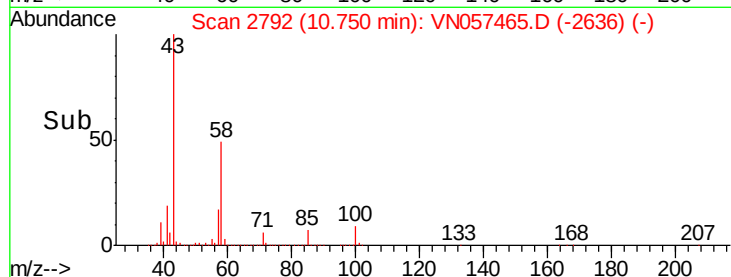
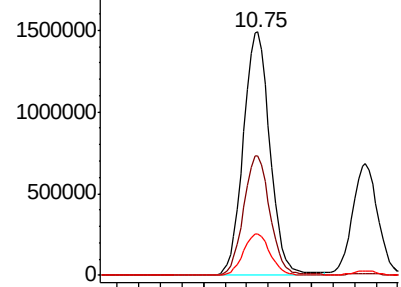
#59
2-Hexanone
Concen: 637.783 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 2553349
Ion Ratio Lower Upper
43 100
58 49.0 38.9 58.3
57 17.0 13.0 19.4

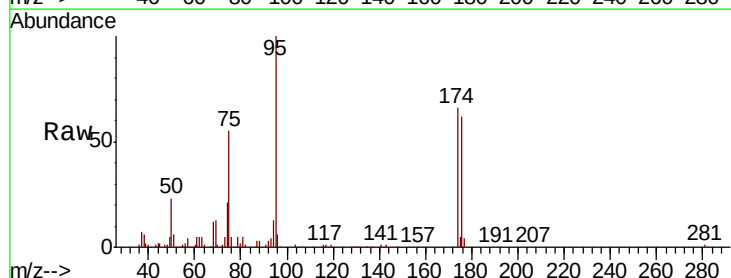


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

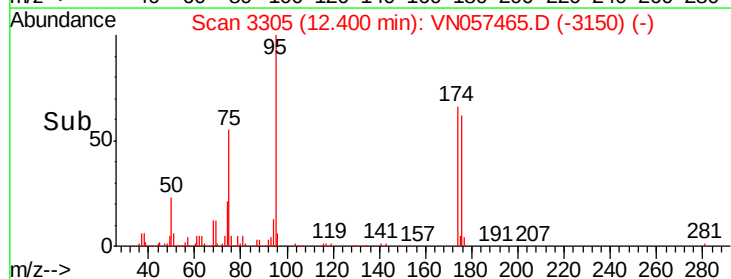
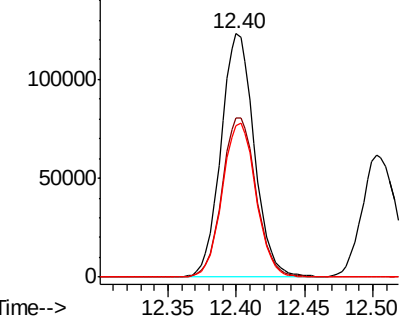


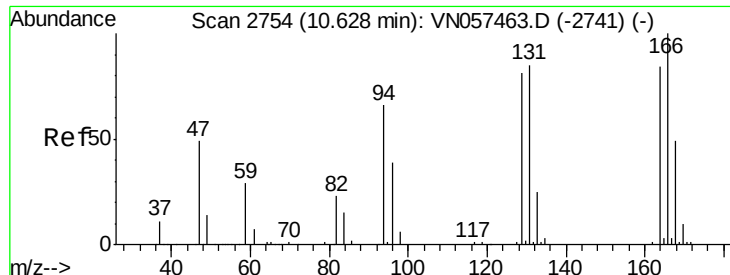
#60
4-Bromofluorobenzene
Concen: 35.630 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion: 95 Resp: 208614
Ion Ratio Lower Upper
95 100
174 67.0 54.9 82.3
176 63.8 54.2 81.4



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 77.556 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 420276

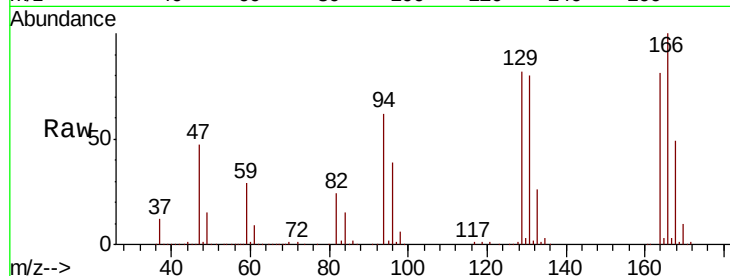
Ion Ratio Lower Upper

164 100

166 124.0 95.8 143.6

129 101.6 77.2 115.8

131 98.5 81.1 121.7

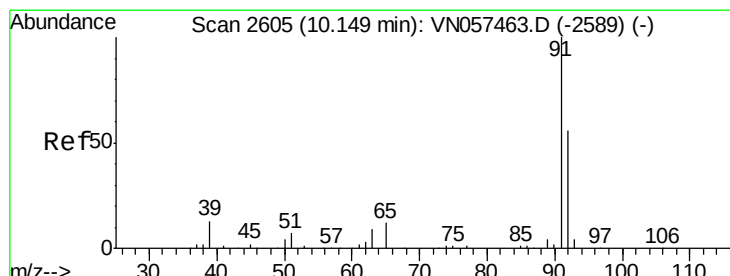
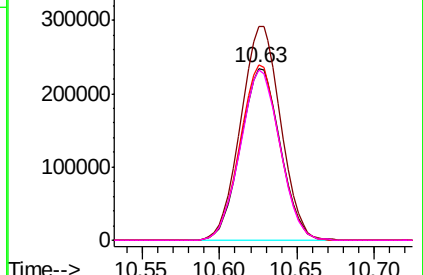
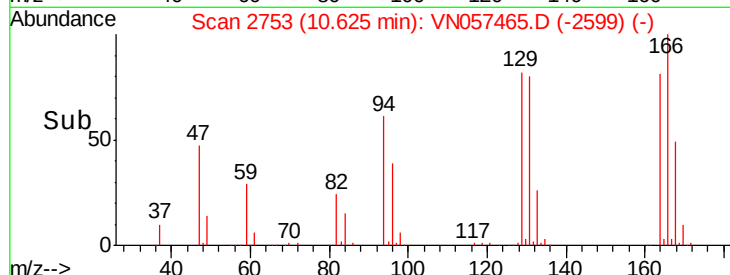


Abundance Ion 163.85 (163.55 to 164.55): V

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: 103.993 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057465.D

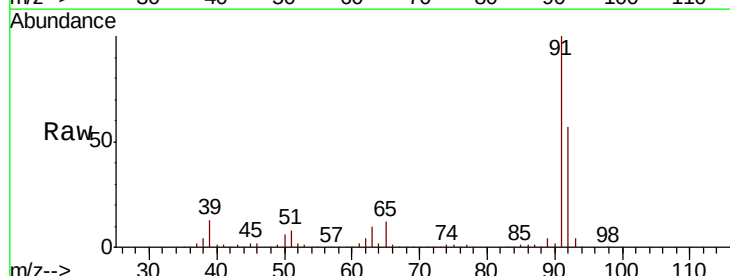
Acq: 23 Aug 2019 10:28

Tgt Ion: 91 Resp: 2278128

Ion Ratio Lower Upper

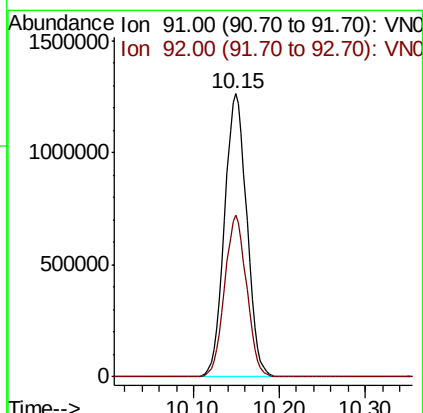
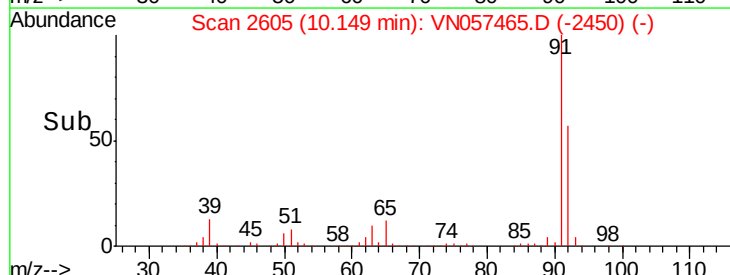
91 100

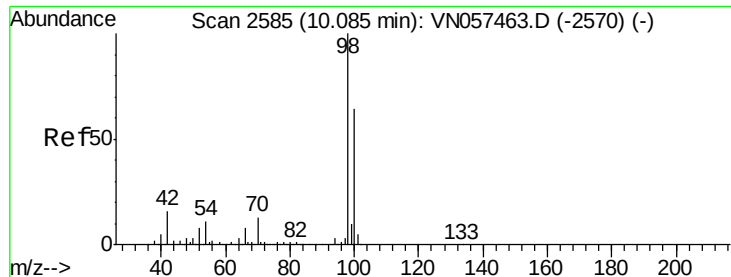
92 56.3 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.855 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

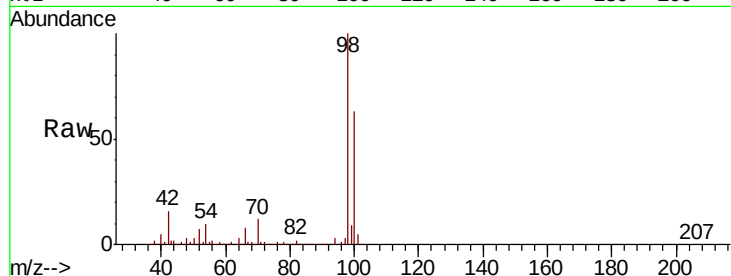
VSTDIC100

Tgt Ion: 98 Resp: 576290

Ion Ratio Lower Upper

98 100

100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057463.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057463.D (-2570) (-)

10.08

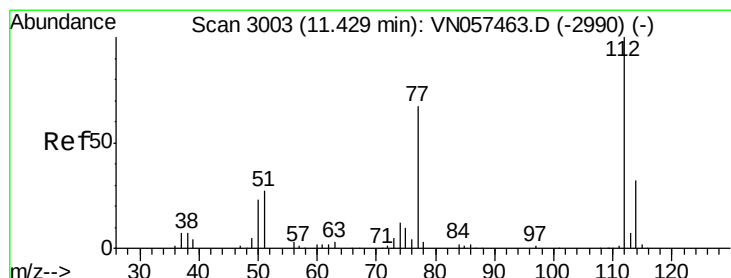
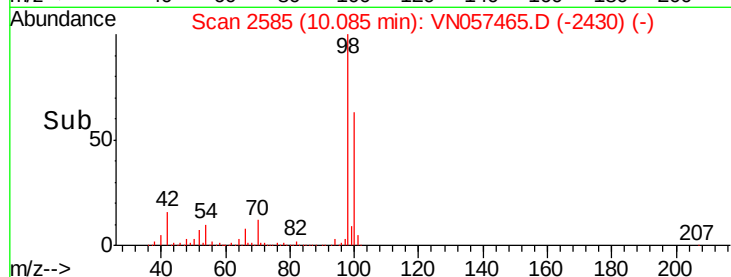
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 95.569 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057465.D

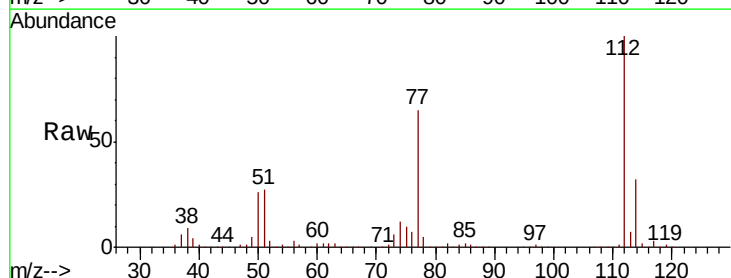
Acq: 23 Aug 2019 10:28

Tgt Ion: 112 Resp: 1277679

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN057463.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057463.D (-2990) (-)

11.43

800000

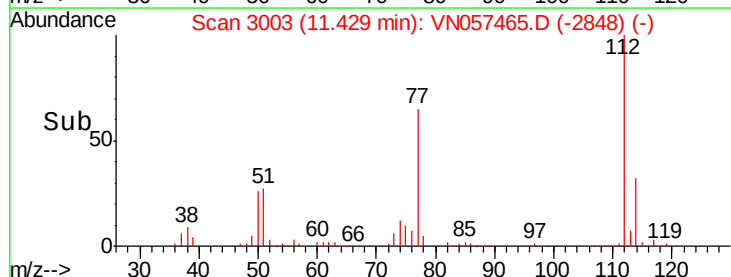
600000

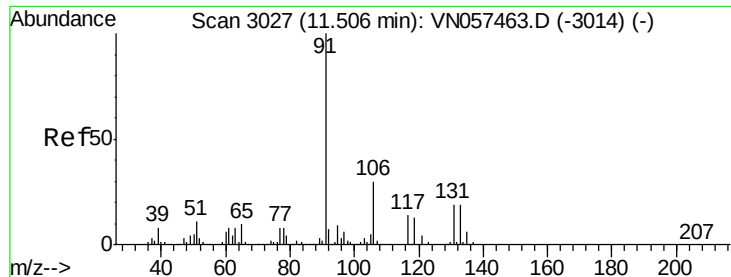
400000

200000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 92.121 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

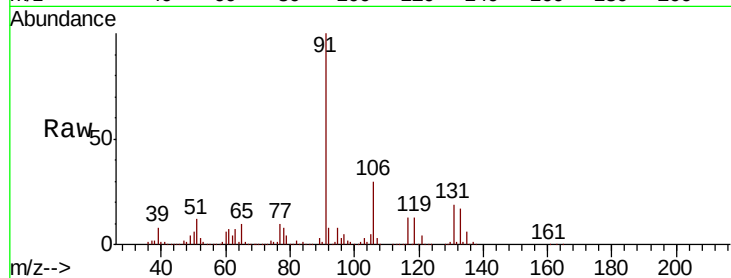
Tgt Ion:131 Resp: 474407

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.6

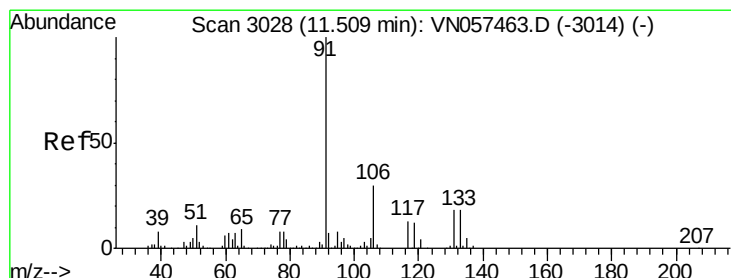
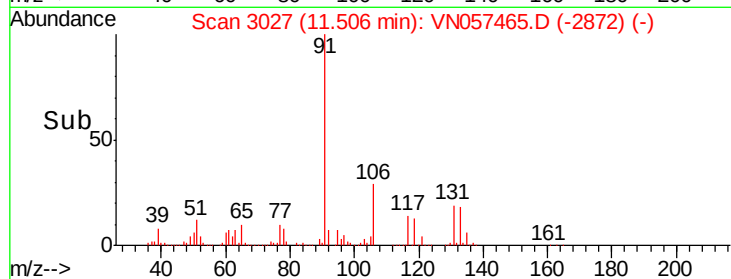
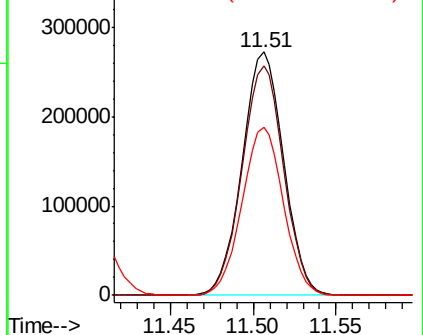
119 68.9 0.0 137.4



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: 104.453 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057465.D

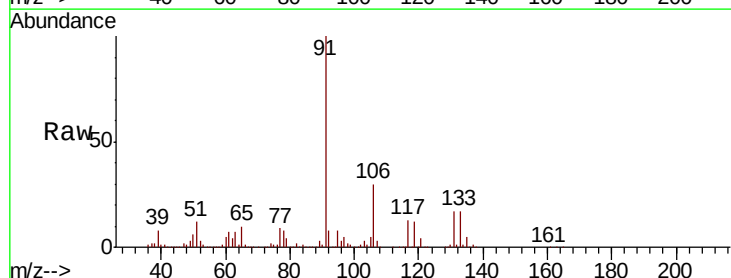
Acq: 23 Aug 2019 10:28

Tgt Ion: 91 Resp: 2487511

Ion Ratio Lower Upper

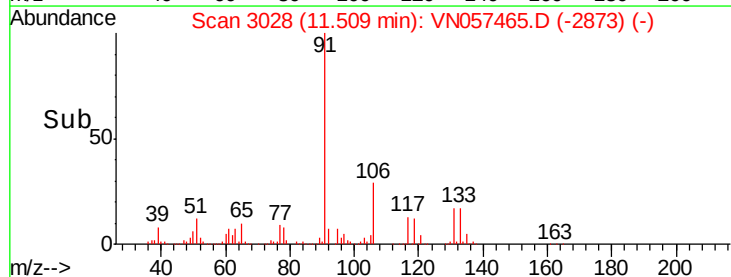
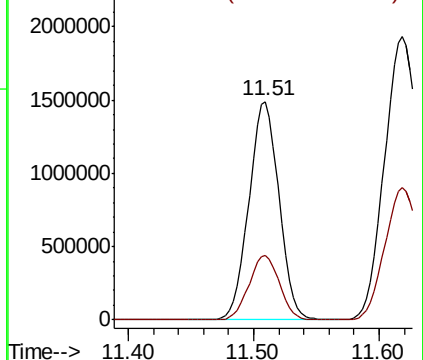
91 100

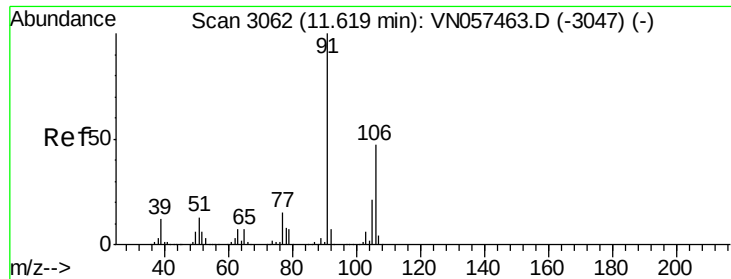
106 29.6 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 200.646 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

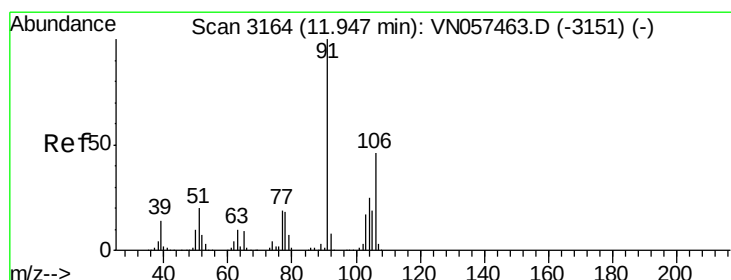
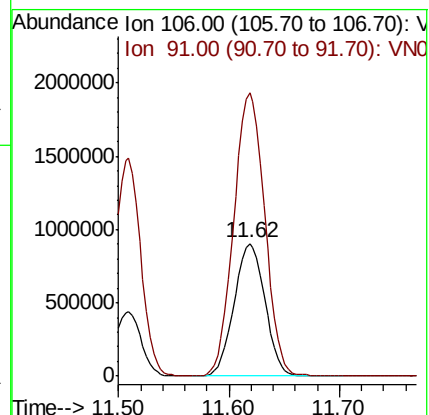
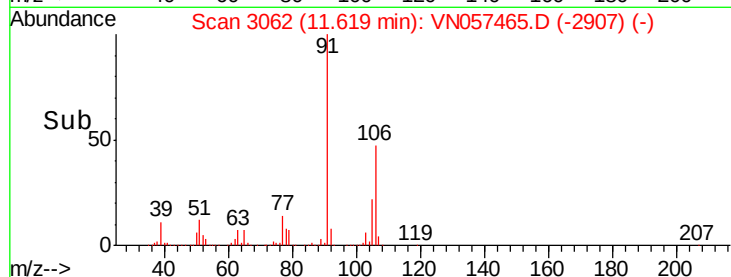
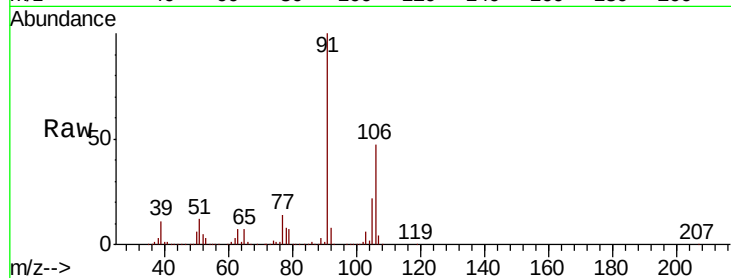
VSTDIC100

Tgt Ion:106 Resp: 1757360

Ion Ratio Lower Upper

106 100

91 213.8 172.9 259.3



#68

o-Xylene

Concen: 99.536 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057465.D

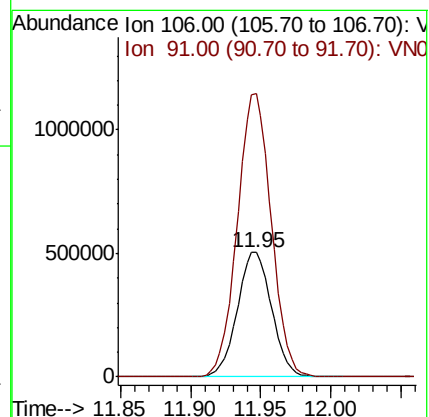
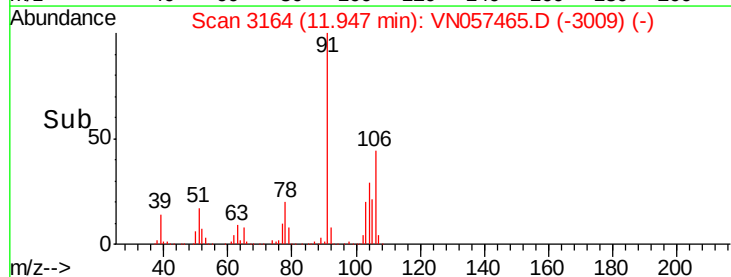
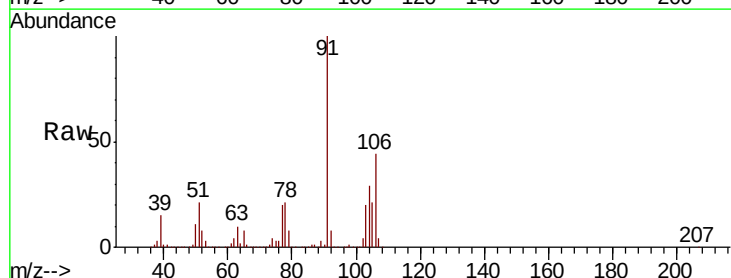
Acq: 23 Aug 2019 10:28

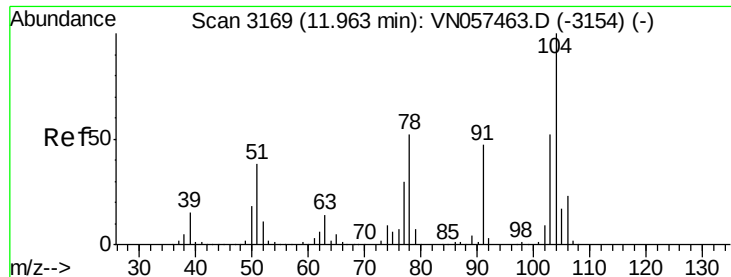
Tgt Ion:106 Resp: 857610

Ion Ratio Lower Upper

106 100

91 225.5 111.1 333.4





#69

Styrene

Concen: 106.045 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

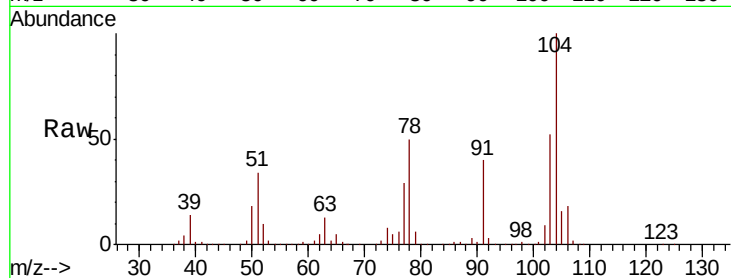
Tgt Ion:104 Resp: 1457309

Ion Ratio Lower Upper

104 100

78 56.9 46.5 69.7

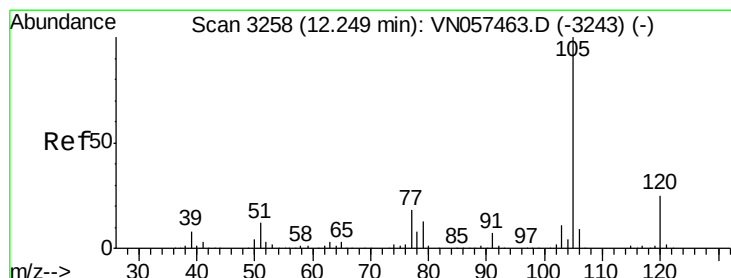
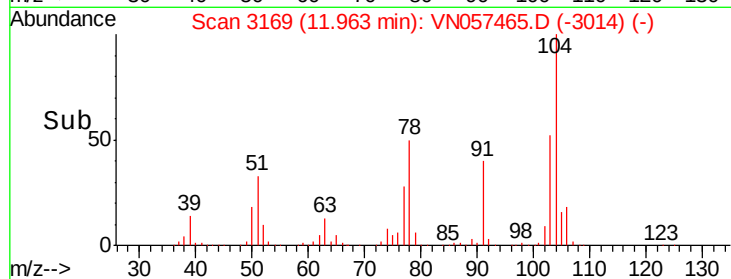
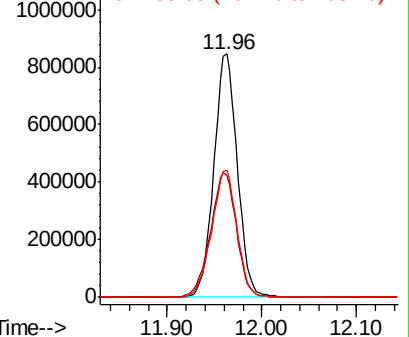
103 56.4 45.9 68.9



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: 102.045 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057465.D

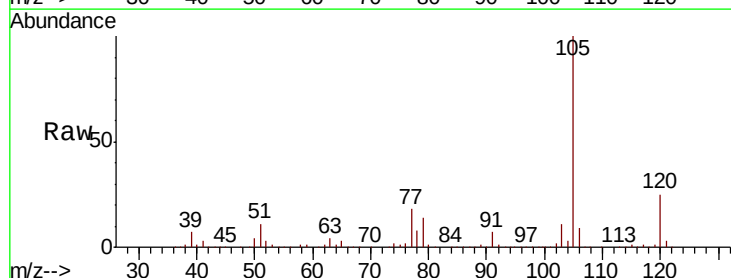
Acq: 23 Aug 2019 10:28

Tgt Ion:105 Resp: 2346401

Ion Ratio Lower Upper

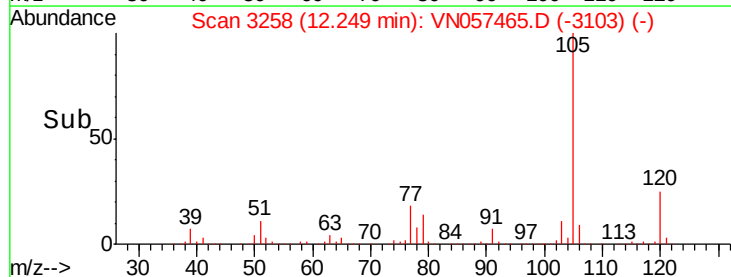
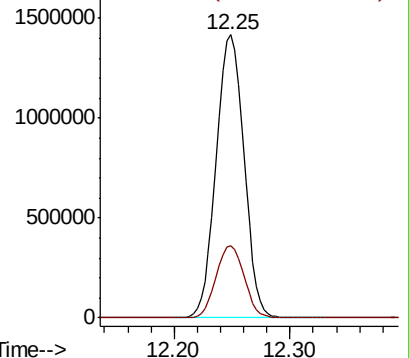
105 100

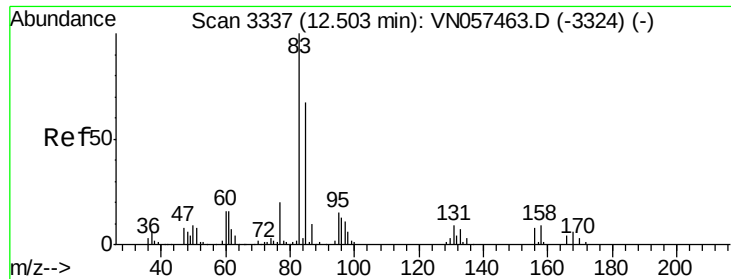
120 25.6 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

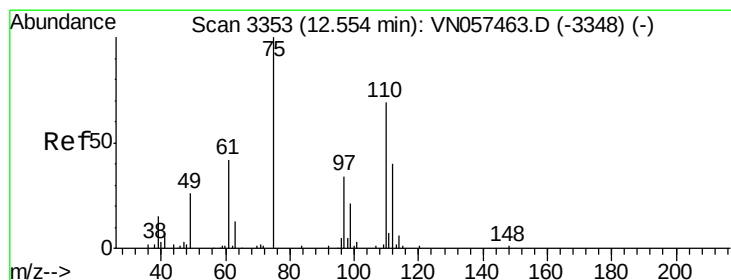
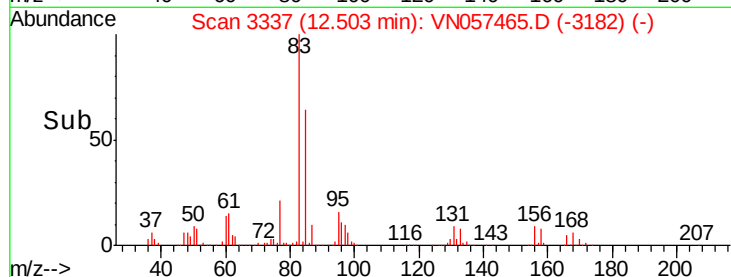
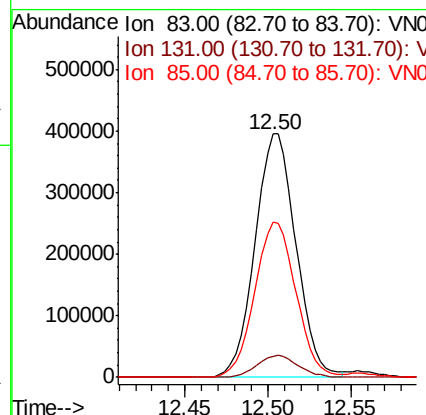
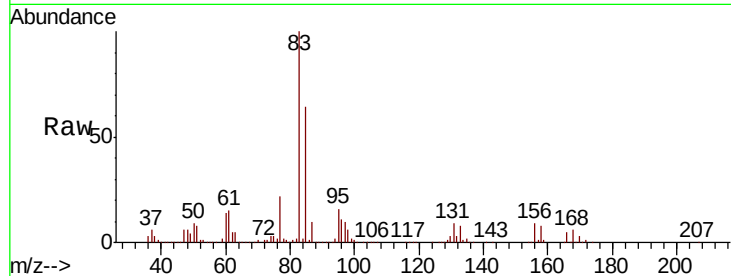




#71
 1,1,2,2-Tetrachloroethane
 Concen: 106.625 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

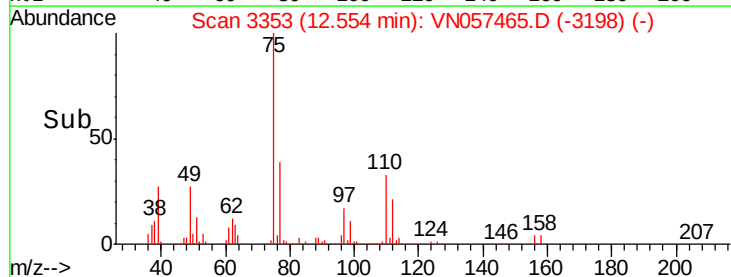
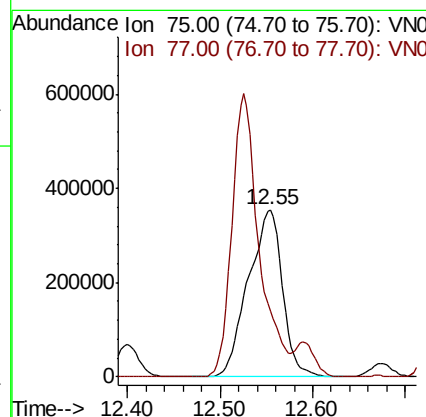
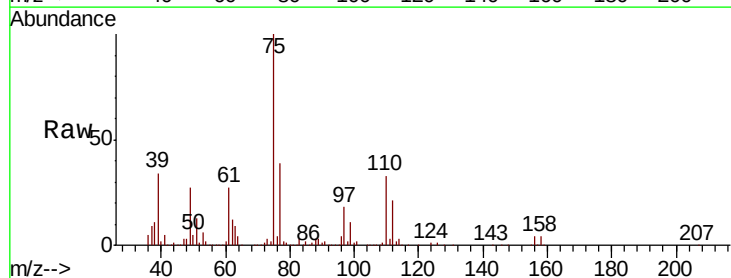
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

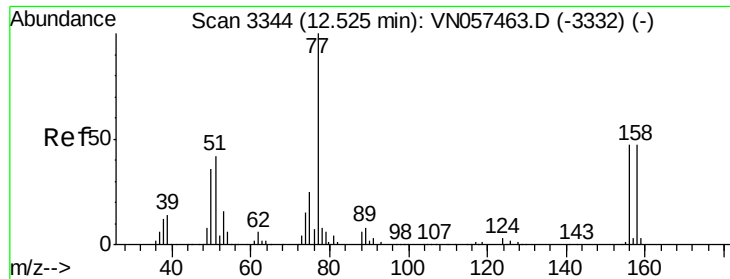
Tgt Ion: 83 Resp: 679139
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.1
 85 64.2 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 165.692 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 75 Resp: 904684
 Ion Ratio Lower Upper
 75 100
 77 135.3 0.0 380.2





#73

Bromobenzene

Concen: 83.756 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

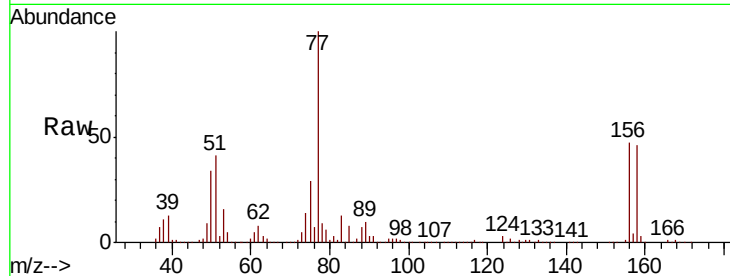
Tgt Ion:156 Resp: 488366

Ion Ratio Lower Upper

156 100

77 250.7 0.0 506.8

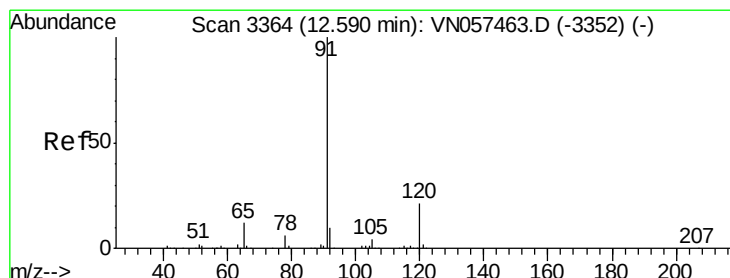
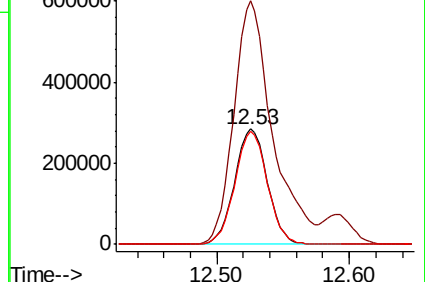
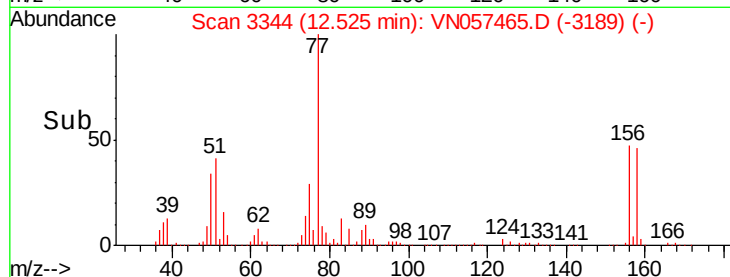
158 97.4 0.0 196.6



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: 114.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057465.D

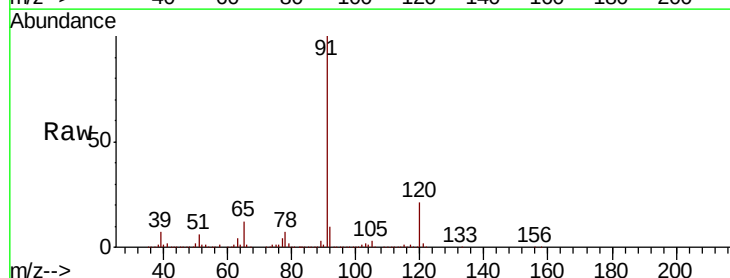
Acq: 23 Aug 2019 10:28

Tgt Ion: 91 Resp: 2781160

Ion Ratio Lower Upper

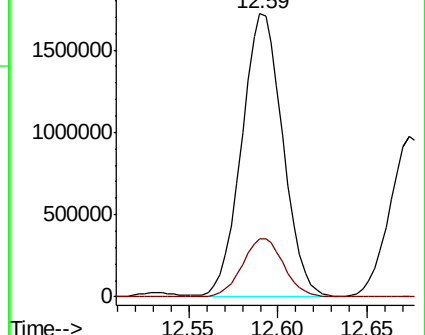
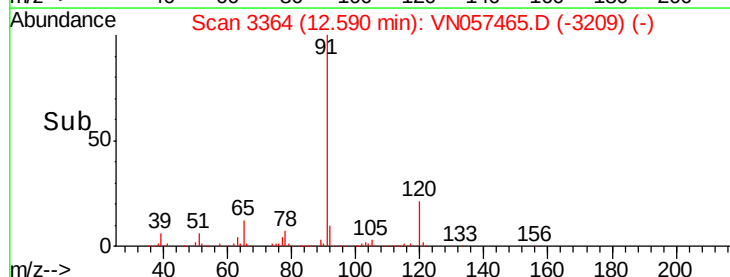
91 100

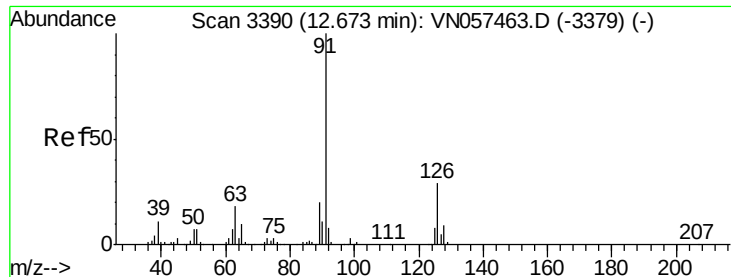
120 20.7 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 107.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

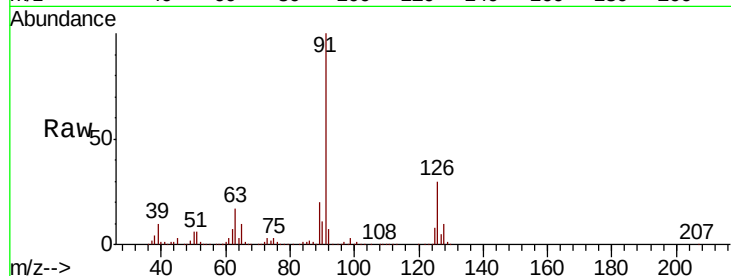
VSTDIC100

Tgt Ion: 91 Resp: 1614824

Ion Ratio Lower Upper

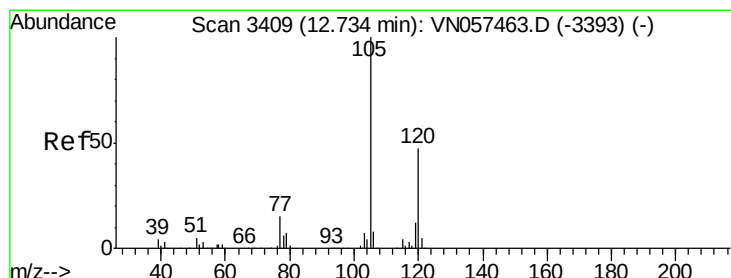
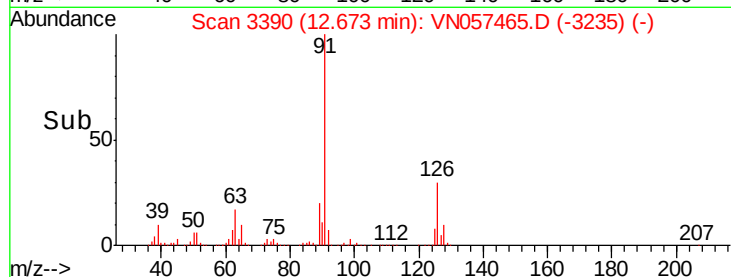
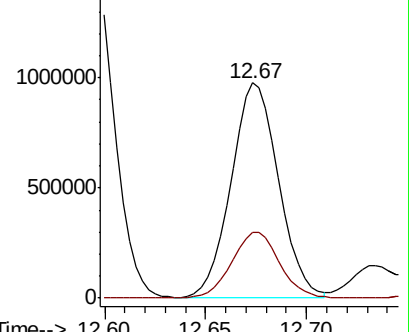
91 100

126 30.8 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057463.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 102.027 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057465.D

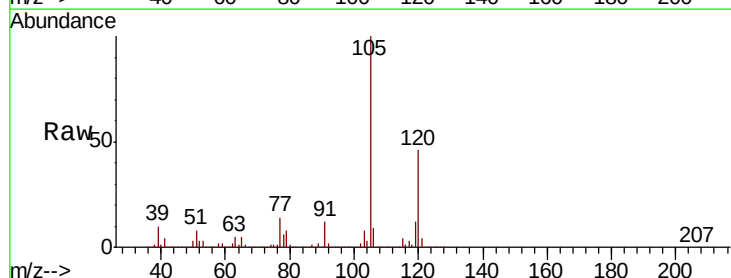
Acq: 23 Aug 2019 10:28

Tgt Ion: 105 Resp: 1945786

Ion Ratio Lower Upper

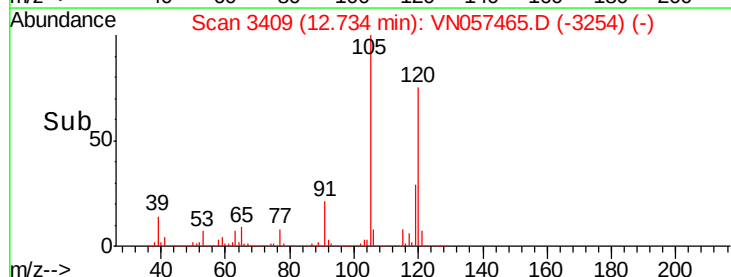
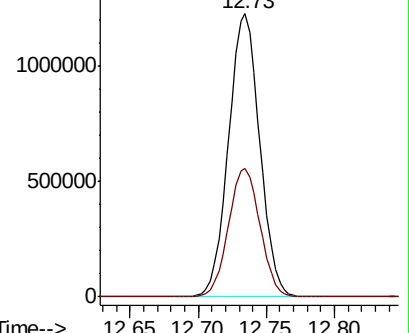
105 100

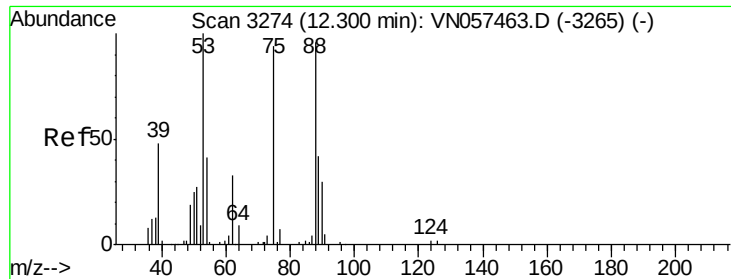
120 46.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057463.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 114.949 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

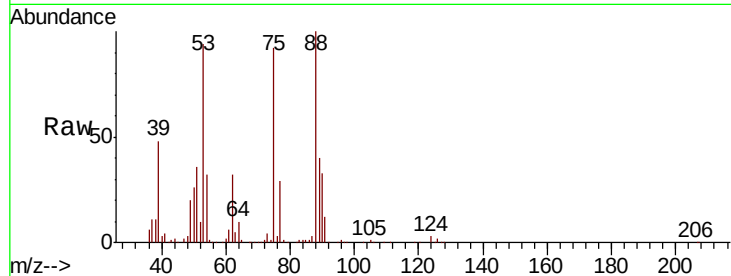
Tgt Ion: 75 Resp: 239650

Ion Ratio Lower Upper

75 100

53 102.2 55.6 166.9

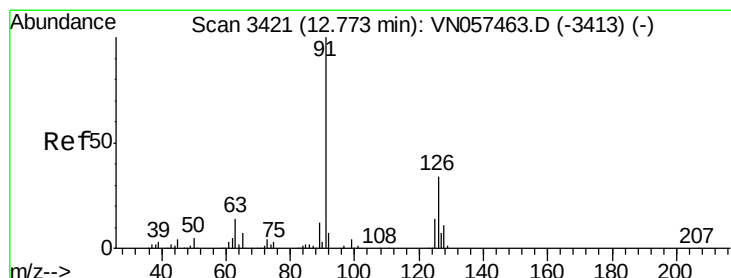
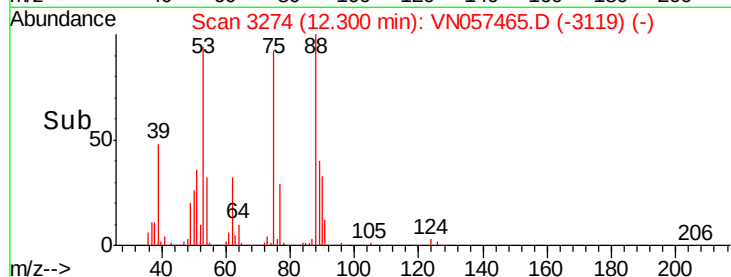
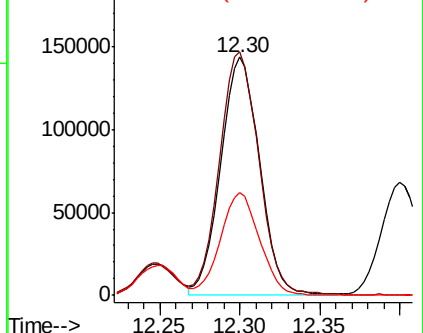
89 43.4 23.8 71.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 114.988 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057465.D

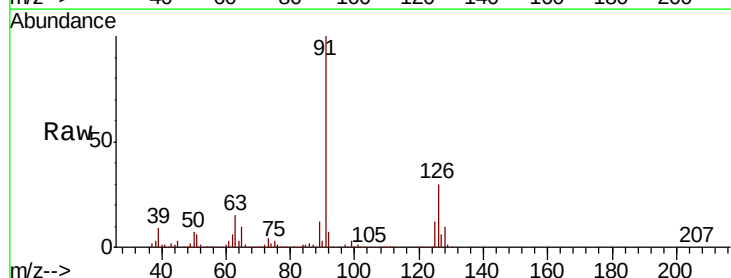
Acq: 23 Aug 2019 10:28

Tgt Ion: 91 Resp: 1612897

Ion Ratio Lower Upper

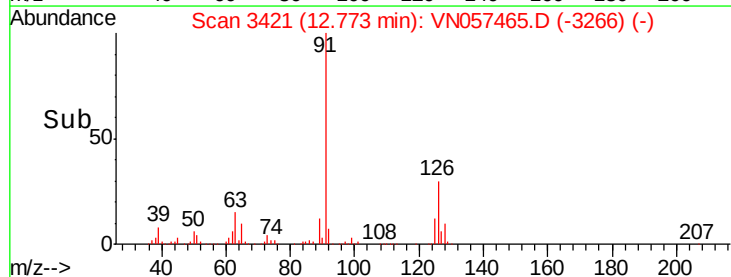
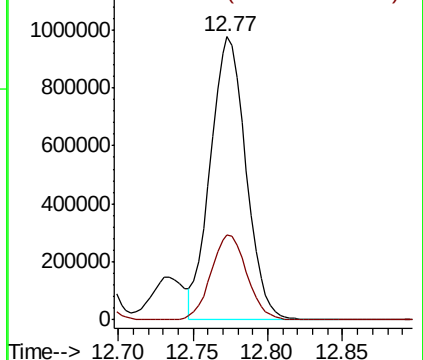
91 100

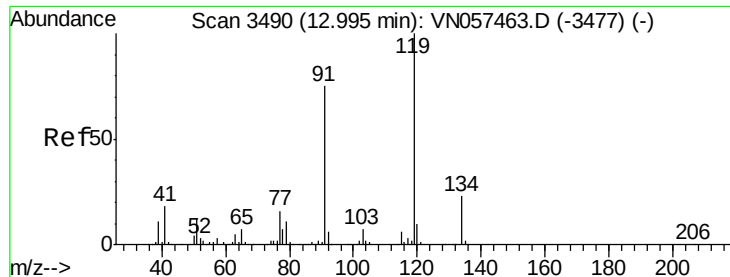
126 30.2 0.0 61.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

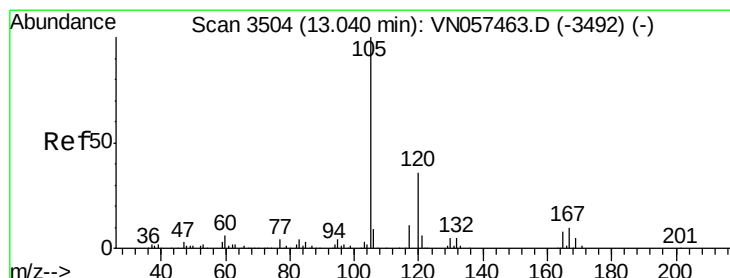
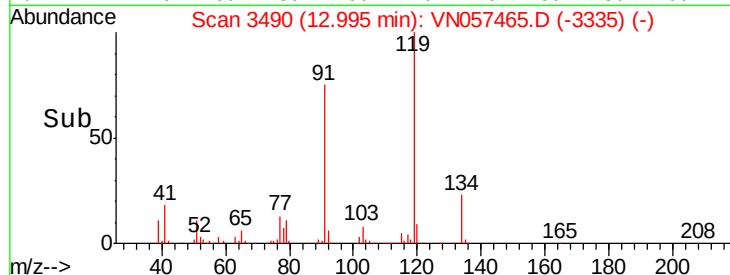
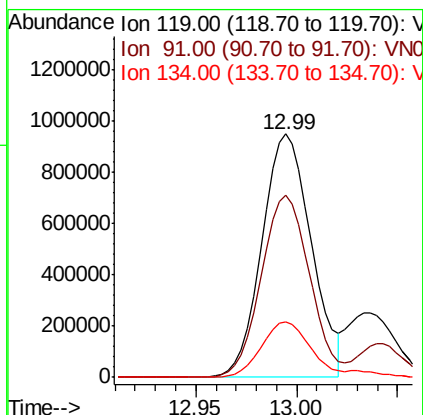
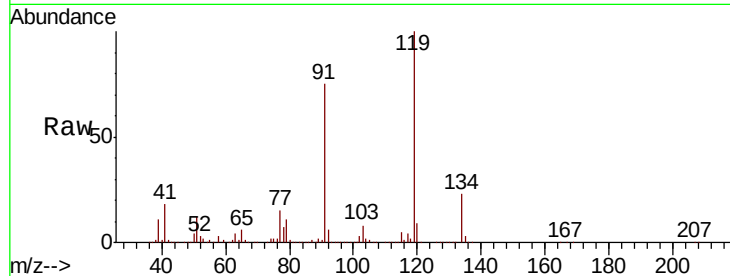




#79
tert-butylbenzene
Concen: 95.901 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

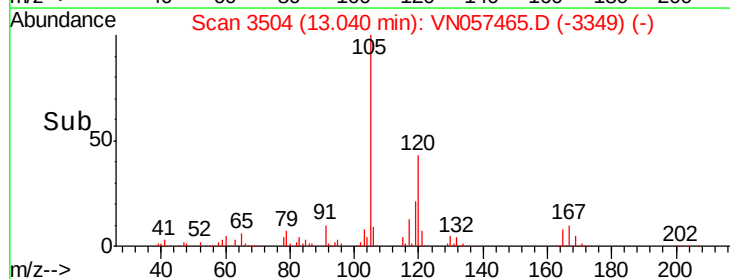
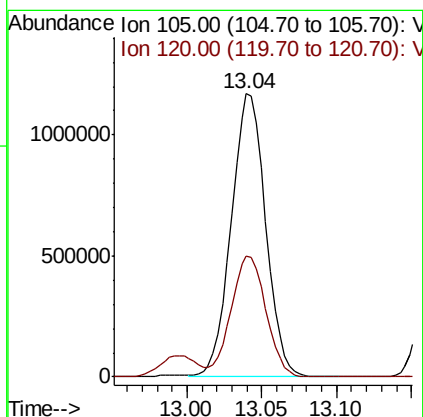
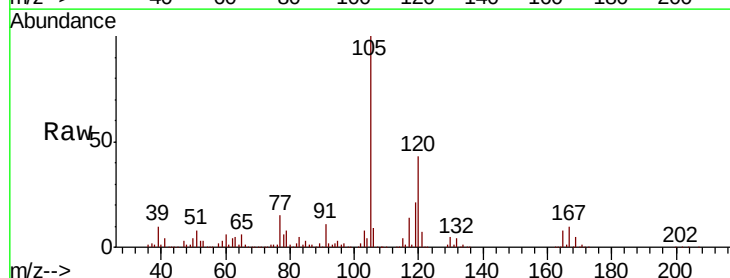
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

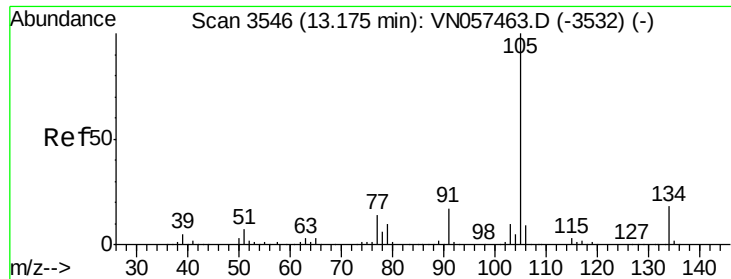
Tgt Ion:119 Resp: 1617273
Ion Ratio Lower Upper
119 100
91 73.4 0.0 146.6
134 22.6 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 103.927 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057465.D
Acq: 23 Aug 2019 10:28

Tgt Ion:105 Resp: 1870427
Ion Ratio Lower Upper
105 100
120 43.3 0.0 85.4

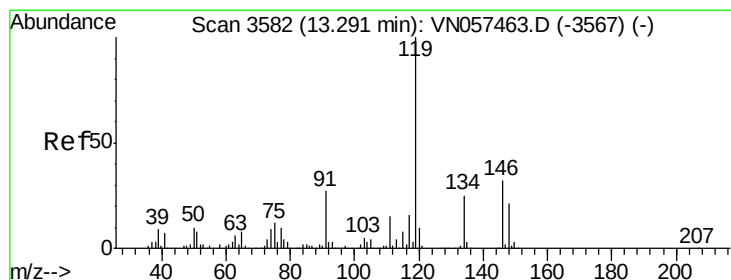
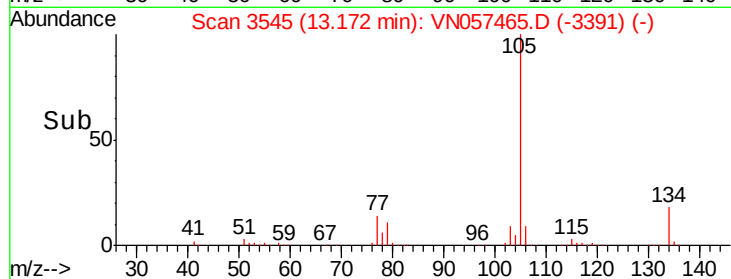
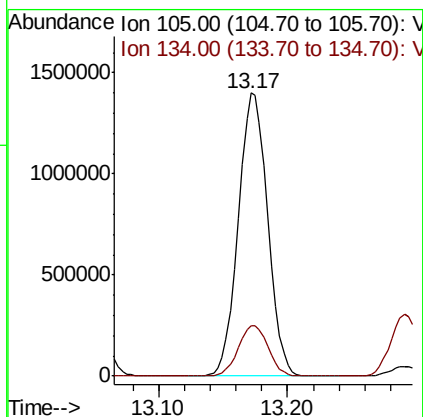
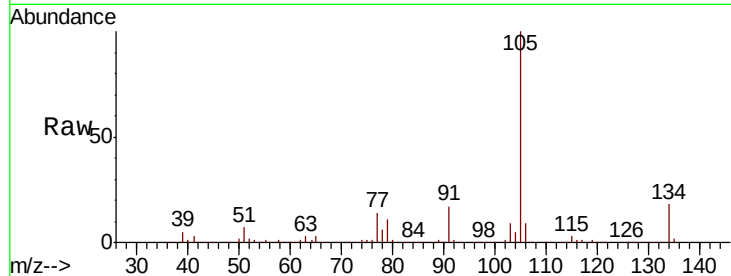




#81
 sec-Butylbenzene
 Concen: 104.576 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

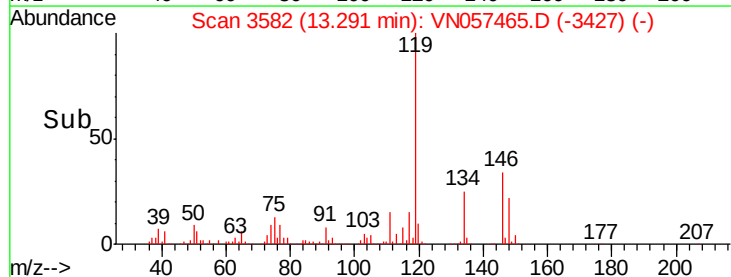
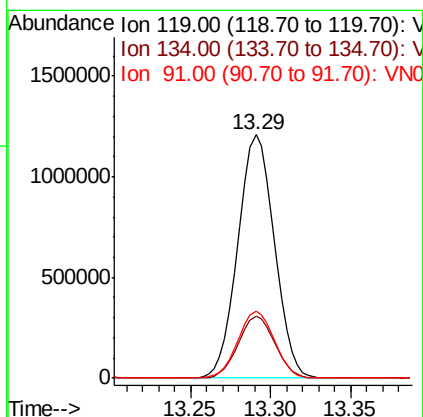
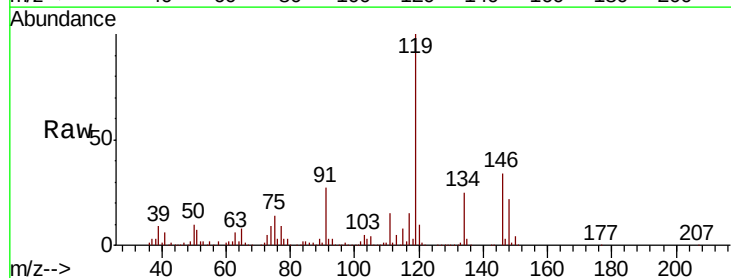
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

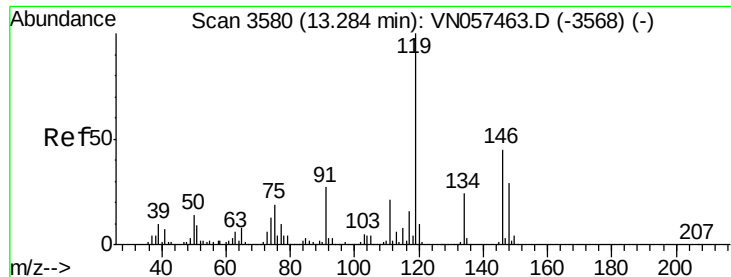
Tgt Ion:105 Resp: 2212055
 Ion Ratio Lower Upper
 105 100
 134 18.1 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 100.375 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion:119 Resp: 1876521
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 49.6
 91 27.3 0.0 55.2

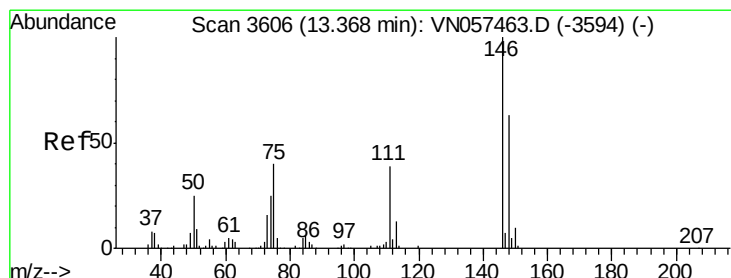
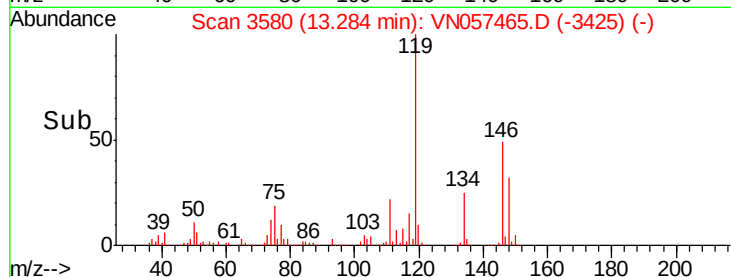
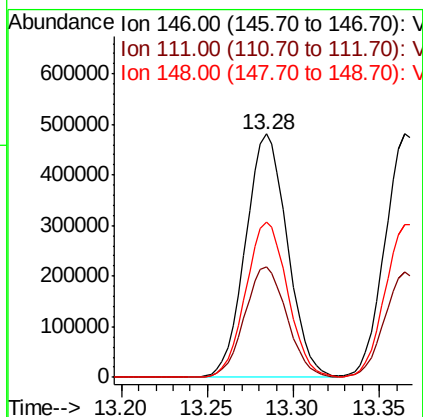
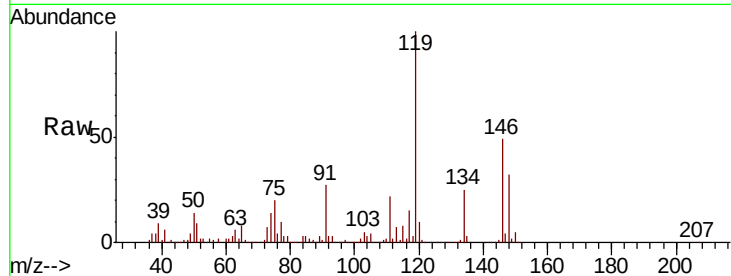




#83
 1,3-Dichlorobenzene
 Concen: 94.514 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

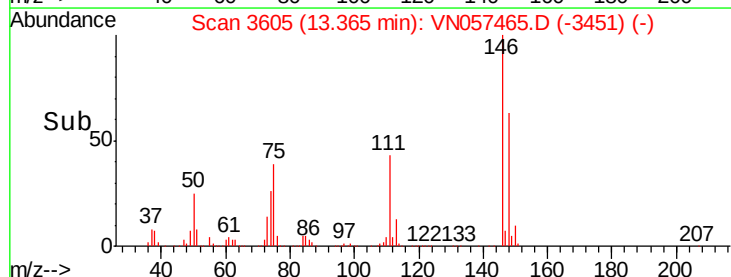
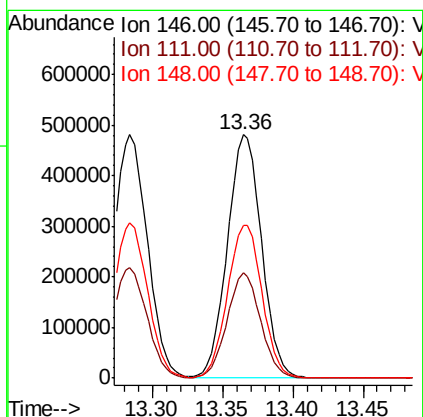
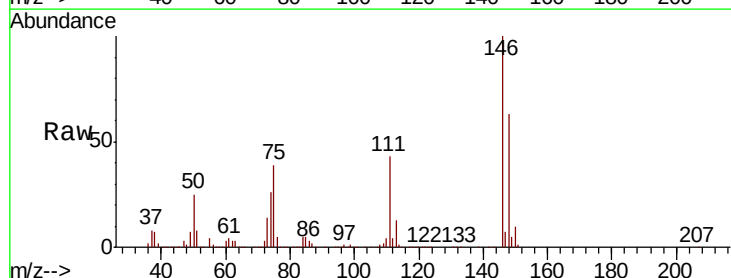
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

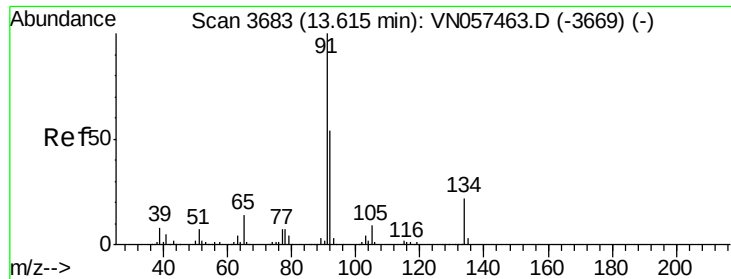
Tgt Ion:146 Resp: 813280
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.4 67.0
 148 63.8 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 100.406 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion:146 Resp: 814764
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.5 61.5
 148 63.6 31.9 95.7





#85

n-Butylbenzene

Concen: 122.084 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

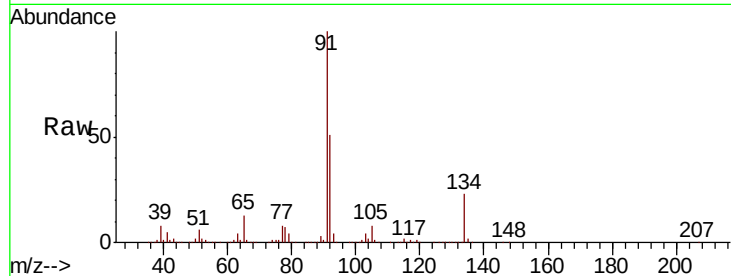
Tgt Ion: 91 Resp: 1715433

Ion Ratio Lower Upper

91 100

92 51.8 0.0 105.6

134 22.8 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057463.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057463.D (-3669) (-)

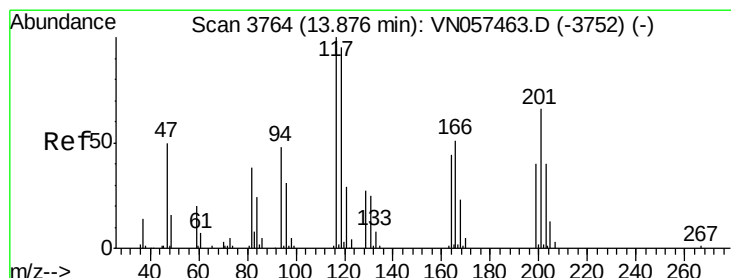
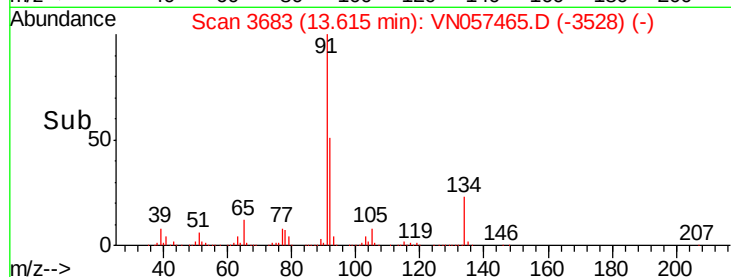
13.62

1000000

500000

0

Time-->



#86

Hexachloroethane

Concen: 103.242 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057465.D

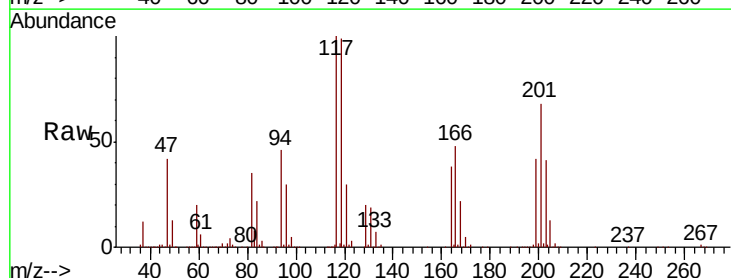
Acq: 23 Aug 2019 10:28

Tgt Ion: 117 Resp: 375108

Ion Ratio Lower Upper

117 100

201 67.4 34.0 101.8



Abundance Ion 117.00 (116.70 to 117.70): VN057463.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057463.D (-3752) (-)

13.88

250000

200000

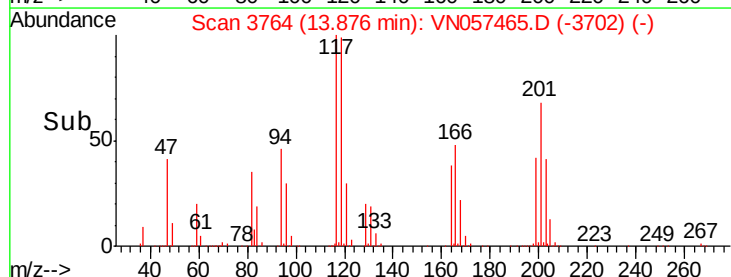
150000

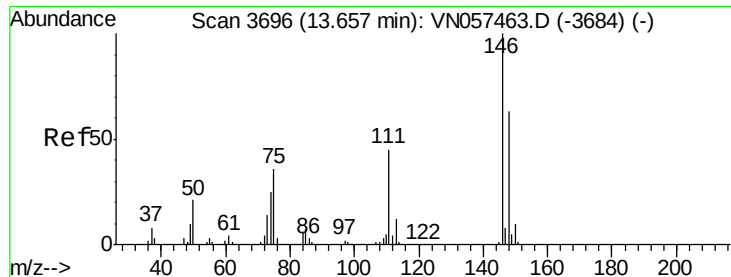
100000

50000

0

Time-->

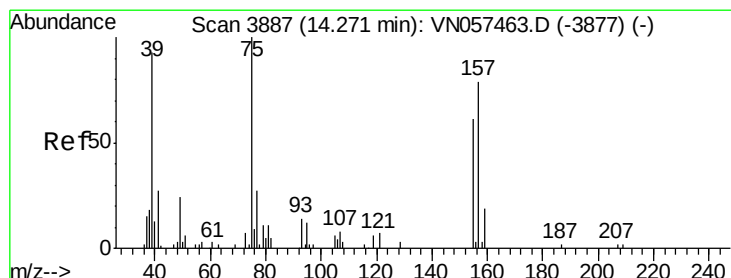
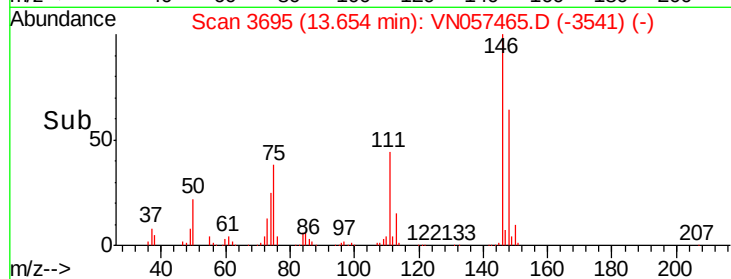
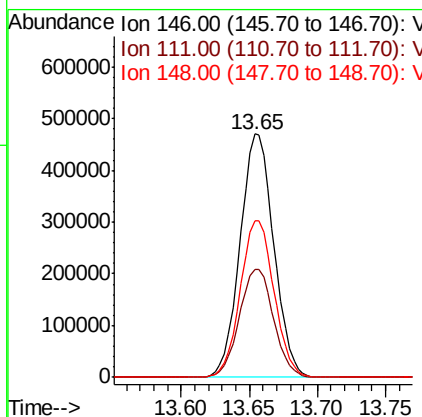
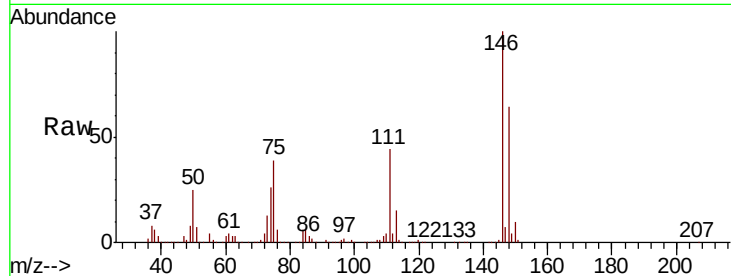




#87
 1,2-Dichlorobenzene
 Concen: 98.577 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

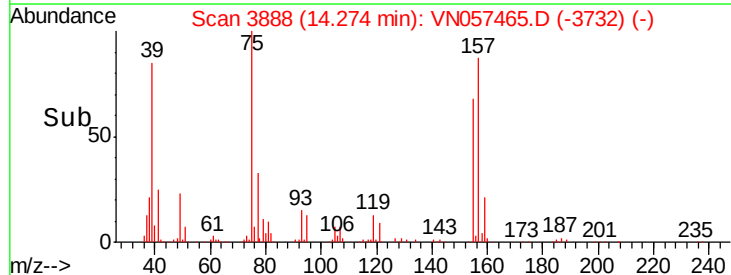
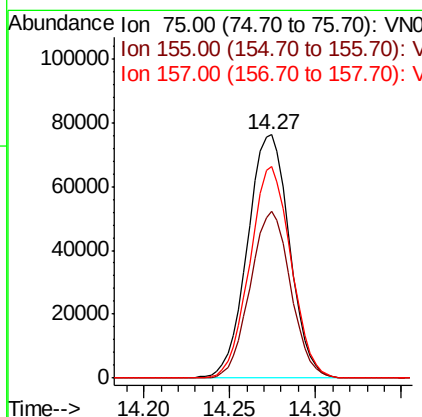
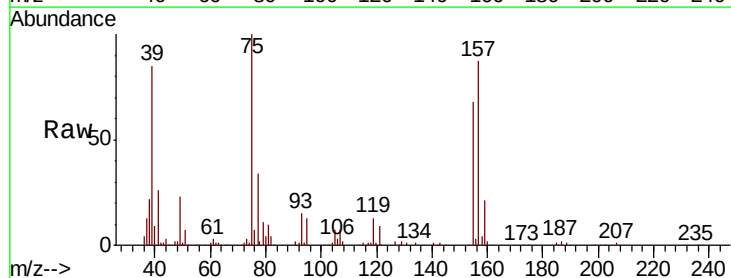
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

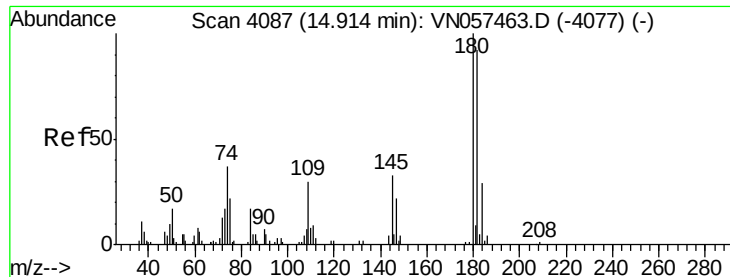
Tgt Ion: 146 Resp: 806578
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.5 67.5
 148 64.4 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 143.825 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion: 75 Resp: 129293
 Ion Ratio Lower Upper
 75 100
 155 65.9 53.7 80.5
 157 85.6 63.5 95.3

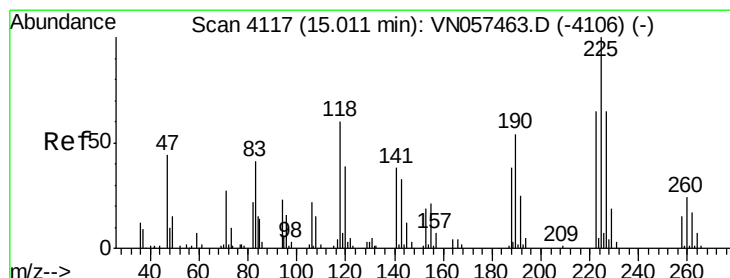
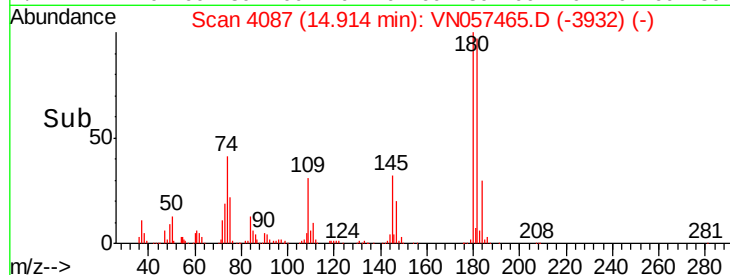
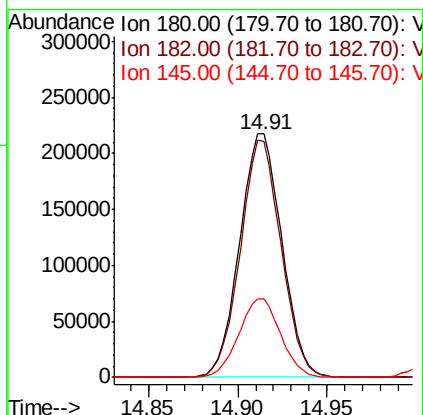
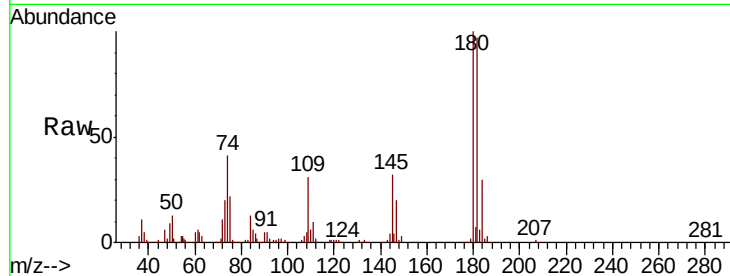




#89
 1,2,4-Trichlorobenzene
 Concen: 122.454 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

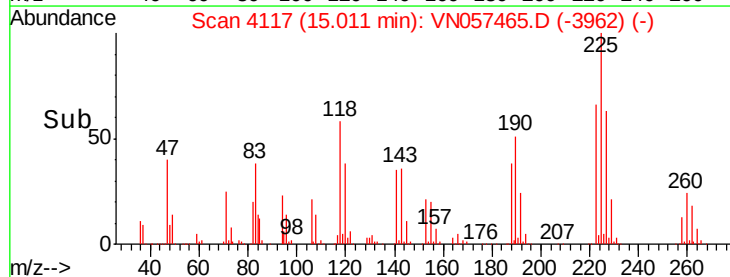
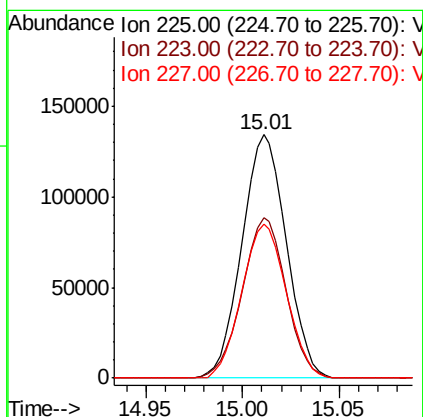
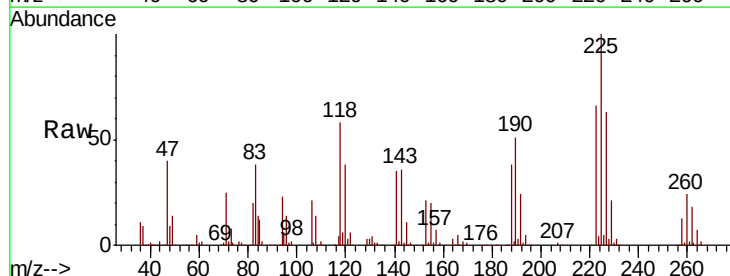
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

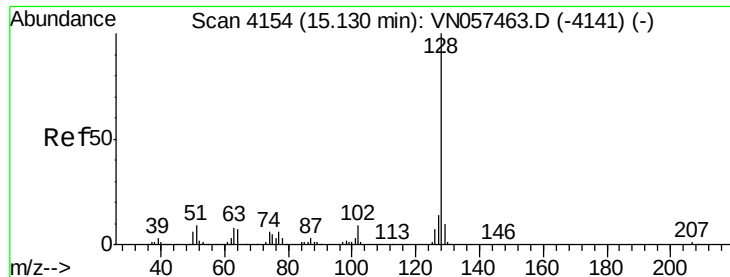
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.2
145	32.1	26.9	40.3



#90
 Hexachlorobutadiene
 Concen: 61.826 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057465.D
 Acq: 23 Aug 2019 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	0.0	123.6
227	63.0	0.0	126.6





#91

Naphthalene

Concen: 161.516 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

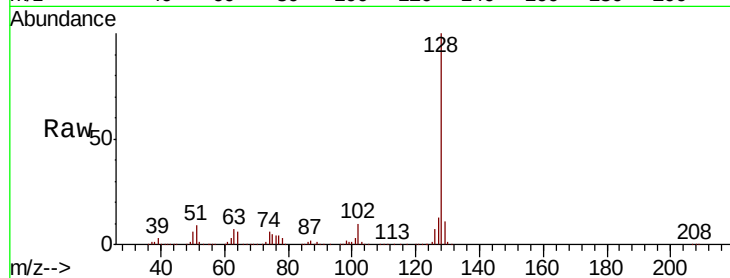
Tgt Ion:128 Resp: 1125136

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

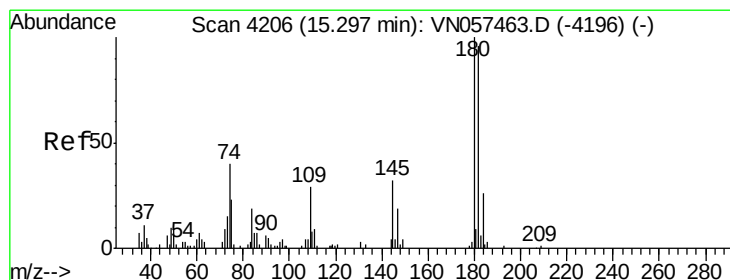
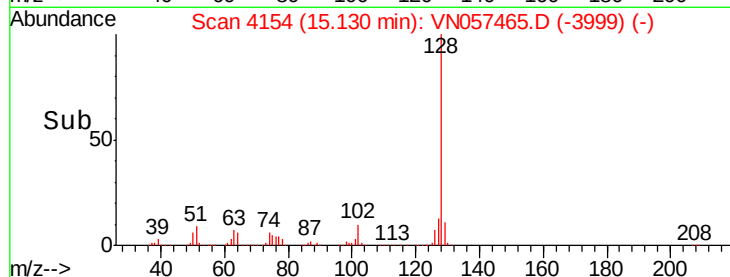
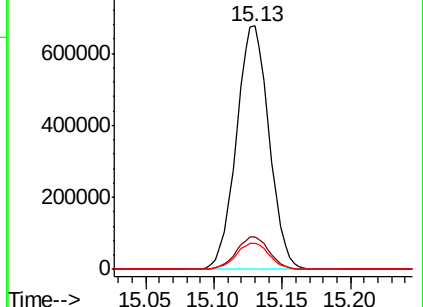
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 126.565 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057465.D

Acq: 23 Aug 2019 10:28

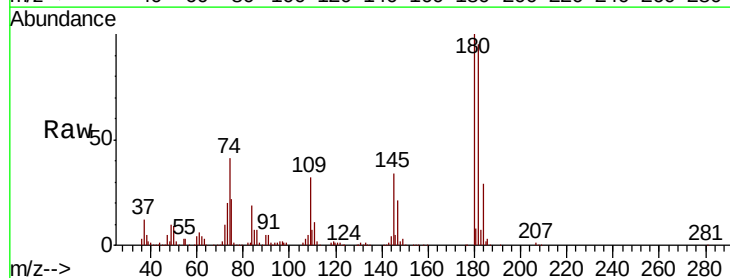
Tgt Ion:180 Resp: 360422

Ion Ratio Lower Upper

180 100

182 94.5 0.0 187.0

145 34.6 0.0 64.4



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

