

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057462.D
 Acq On : 23 Aug 2019 9:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 22:56:19 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	73664	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	414138	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	337478	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213797	40.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	136.03%
60) 4-Bromofluorobenzene	12.40	95	143903	28.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.93%
63) Toluene-d8	10.08	98	538025	34.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	114.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	17474	4.625 ug/l	97
3) Chloromethane	2.05	50	30448	6.506 ug/l	93
4) Vinyl Chloride	2.17	62	36991	7.560 ug/l	100
5) Bromomethane	2.54	94	25329	7.070 ug/l	87
6) Chloroethane	2.68	64	26982	8.160 ug/l	95
7) Trichlorofluoromethane	3.00	101	61956	7.975 ug/l	99
8) Diethyl Ether	3.39	74	26212	9.022 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36779	8.079 ug/l	86
10) 1,1-Dichloroethene	3.71	96	36214	8.126 ug/l	89
11) Methyl Iodide	3.92	142	43575	6.860 ug/l	94
12) Methyl Acetate	4.30	43	43244	8.824 ug/l	100
13) Acrolein	3.58	56	23132	44.926 ug/l	98
14) Acrylonitrile	4.97	53	56933	29.970 ug/l #	36
15) Acetone	3.80	58	28996	43.979 ug/l	96
16) Carbon Disulfide	4.01	76	60799	5.548 ug/l	98
17) Allyl chloride	4.29	41	44715	6.982 ug/l	98
18) Methylene Chloride	4.51	84	10611	2.325 ug/l	95
19) trans-1,2-Dichloroethene	5.01	96	24398	5.672 ug/l	94
20) Diisopropyl ether	5.93	45	97470	7.273 ug/l #	93
21) 1,1-Dichloroethane	5.82	63	49821	6.302 ug/l	98
22) cis-1,2-Dichloroethene	6.80	96	28571	5.645 ug/l #	85
23) tert-Butyl Alcohol	4.78	59	10661	15.651 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	77217	6.071 ug/l #	71
25) Chloroform	7.36	83	52304	6.432 ug/l	95
26) Cyclohexane	7.63	56	47932	7.201 ug/l #	97
29) 1,1-Dichloropropene	7.78	75	38106	6.185 ug/l	98
30) 2-Butanone	6.83	43	89788	34.909 ug/l	98
31) 2,2-Dichloropropane	6.79	77	44050	6.458 ug/l #	72
32) 1,1,1-Trichloroethane	7.55	97	43139	5.980 ug/l	98
33) Carbon Tetrachloride	7.76	117	34415	5.425 ug/l	94
34) Benzene	8.02	78	111662	6.003 ug/l #	50
35) Methacrylonitrile	7.16	41	15032	4.487 ug/l	95
36) 1,2-Dichloroethane	8.11	62	45171	7.154 ug/l #	85
37) Trichloroethene	8.82	130	25207	4.876 ug/l	96
38) Methylcyclohexane	9.07	83	42695	5.940 ug/l	97
39) 1,2-Dichloropropane	9.11	63	31421	6.455 ug/l	91
40) Dibromomethane	9.20	93	19234	6.067 ug/l	96

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 22:56:19 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)

41) Bromodichloromethane	9.39	83	40341	6.243	ug/l	98
42) Vinyl Acetate	5.87	43	395155	36.268	ug/l	100
43) Ethyl Acetate	6.92	43	29877	5.767	ug/l #	87
44) Isopropyl Acetate	8.16	43	66011	7.116	ug/l #	92
45) 1,4-Dioxane	9.19	88	4880	61.487	ug/l #	47
46) Methyl methacrylate	9.19	41	31414	7.449	ug/l	97
47) n-amyl Acetate	12.07	43	48020	6.877	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	40832	5.885	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	45992	5.955	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	24440	5.394	ug/l	96
51) Ethyl methacrylate	10.43	69	37993	5.638	ug/l	97
52) 1,3-Dichloropropane	10.70	76	44216	5.838	ug/l	98
53) Dibromochloromethane	10.90	129	23758	4.640	ug/l	96
54) 1,2-Dibromoethane	11.00	107	24968	5.303	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	40037	25.426	ug/l	99
56) Bromoform	12.12	173	12807	3.437	ug/l #	92
58) 4-Methyl-2-Pentanone	9.98	43	178759	36.825	ug/l	99
59) 2-Hexanone	10.75	43	120121	34.773	ug/l	98
61) Tetrachloroethene	10.63	164	22662	4.847	ug/l	95
62) Toluene	10.15	91	116225	6.149	ug/l	98
64) Chlorobenzene	11.43	112	59130	5.126	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	23389	5.264	ug/l	96
66) Ethyl Benzene	11.51	91	117424	5.714	ug/l	98
67) m/p-Xylenes	11.62	106	76293	10.095	ug/l	96
68) o-Xylene	11.95	106	38810	5.220	ug/l	97
69) Styrene	11.96	104	54861	4.627	ug/l	99
70) Isopropylbenzene	12.25	105	99707	5.025	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	28915	5.261	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	38610	8.195	ug/l	57
73) Bromobenzene	12.53	156	19426	3.861	ug/l	98
74) n-propylbenzene	12.59	91	106539	5.064	ug/l	99
75) 2-Chlorotoluene	12.68	91	64081	4.967	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	79994	4.861	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	7597	4.223	ug/l	95
78) 4-Chlorotoluene	12.78	91	54319	4.488	ug/l	98
79) tert-butylbenzene	12.99	119	72931	5.012	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	66289	4.269	ug/l	99
81) sec-Butylbenzene	13.17	105	85326	4.675	ug/l	99
82) p-Isopropyltoluene	13.29	119	71542	4.435	ug/l	98
83) 1,3-Dichlorobenzene	13.29	146	24512	3.301	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	22386	3.197	ug/l	99
85) n-Butylbenzene	13.62	91	55865	4.608	ug/l	96
86) Hexachloroethane	13.88	117	15144	4.831	ug/l	93
87) 1,2-Dichlorobenzene	13.66	146	22915	3.246	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3773	4.864	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	7055	2.785	ug/l	92
90) Hexachlorobutadiene	15.01	225	8100	2.706	ug/l	95
91) Naphthalene	15.13	128	21557	3.586	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	6000	2.442	ug/l	95

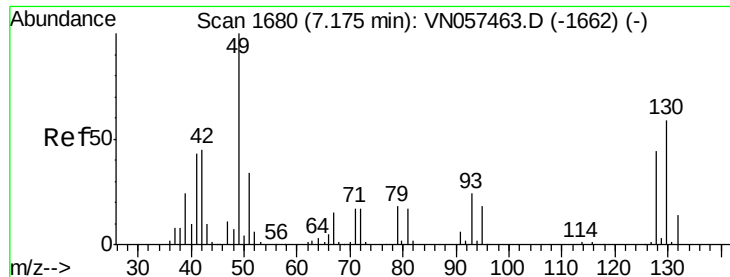
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
Data File : VN057462.D
Acq On : 23 Aug 2019 9:12
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 23 22:56:19 2019
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QLast Update : Fri Aug 23 22:53:43 2019
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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# 1680

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

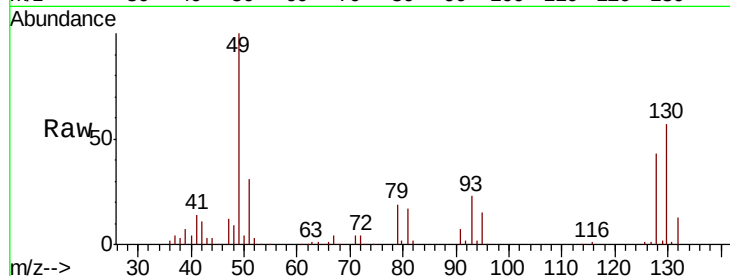
Tgt Ion:128 Resp: 73664

Ion Ratio Lower Upper

128 100

49 222.5 0.0 560.5

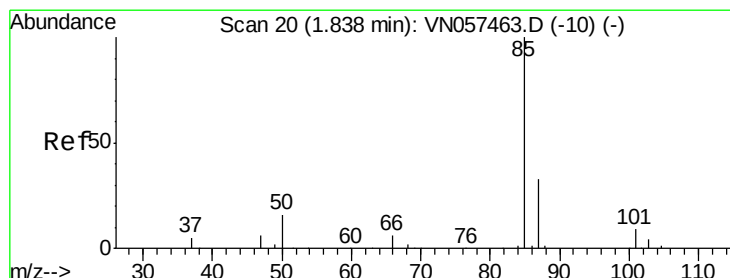
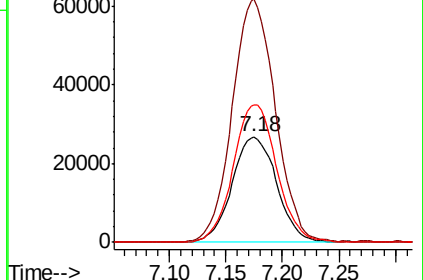
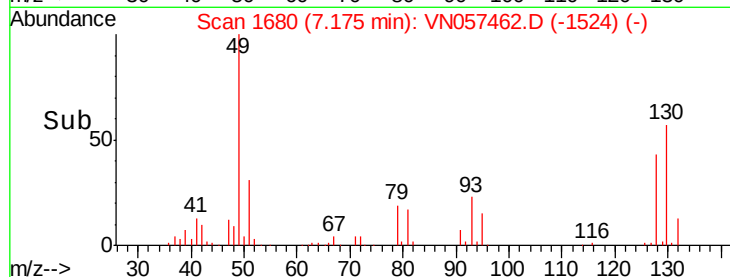
130 127.4 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.625 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057462.D

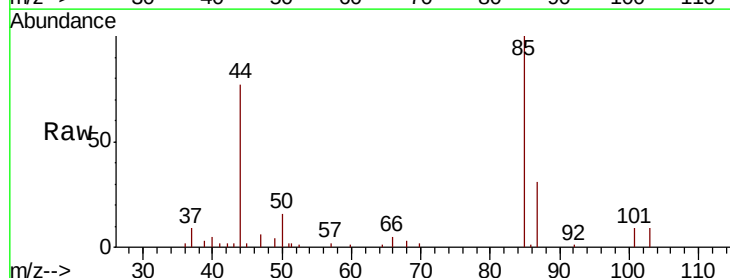
Acq: 23 Aug 2019 9:12

Tgt Ion: 85 Resp: 17474

Ion Ratio Lower Upper

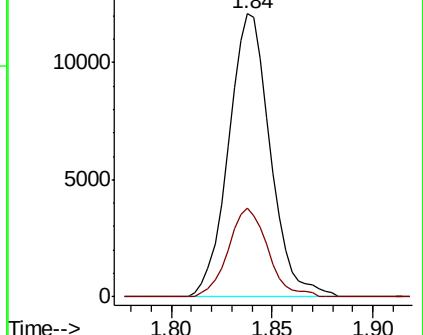
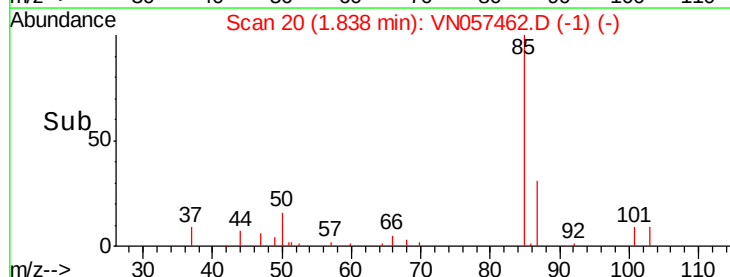
85 100

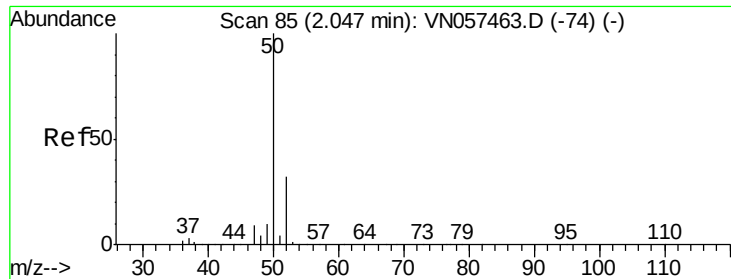
87 31.2 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 6.506 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

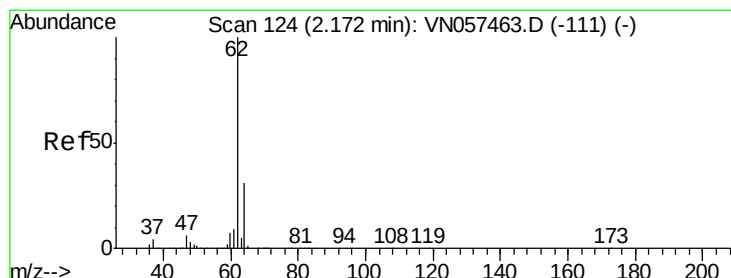
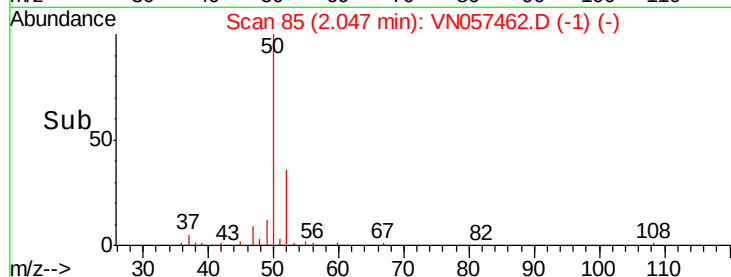
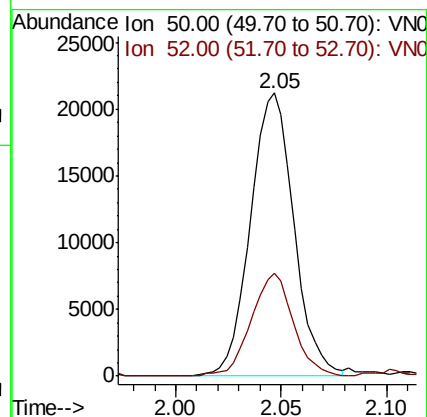
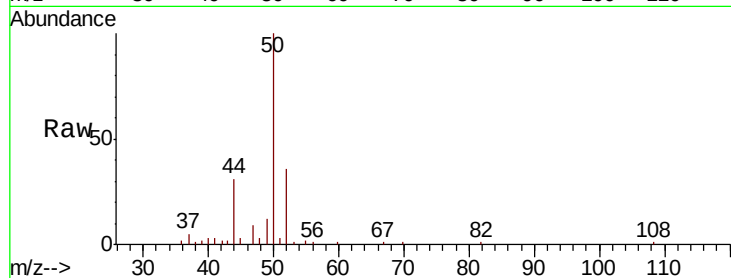
VSTDIC005

Tgt Ion: 50 Resp: 30448

Ion Ratio Lower Upper

50 100

52 36.3 25.8 38.6



#4

Vinyl Chloride

Concen: 7.560 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057462.D

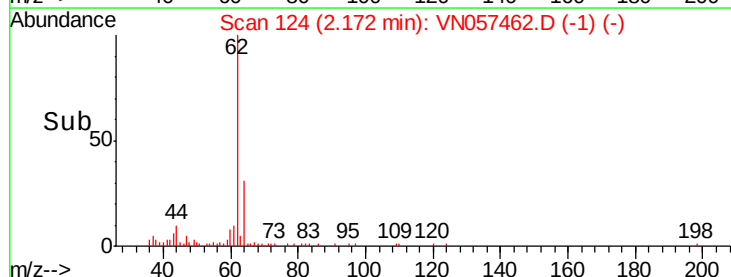
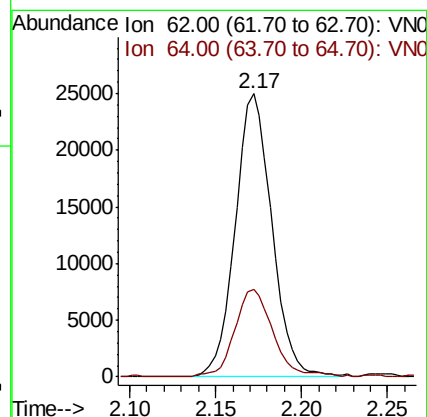
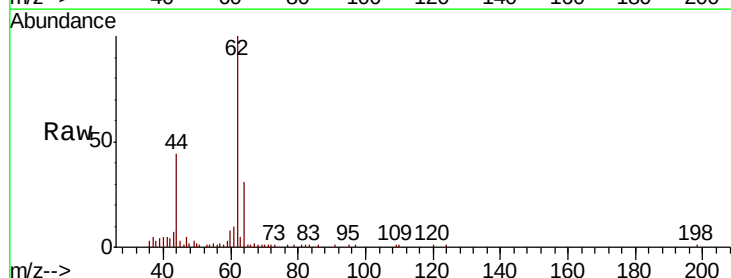
Acq: 23 Aug 2019 9:12

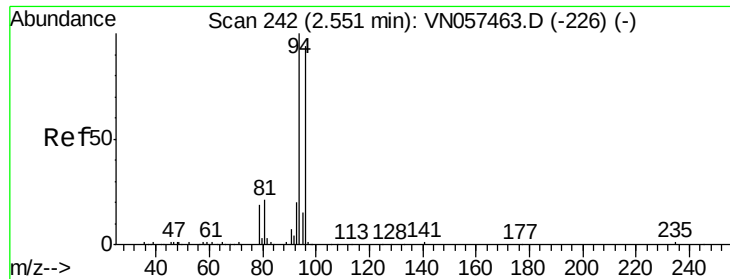
Tgt Ion: 62 Resp: 36991

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 7.070 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

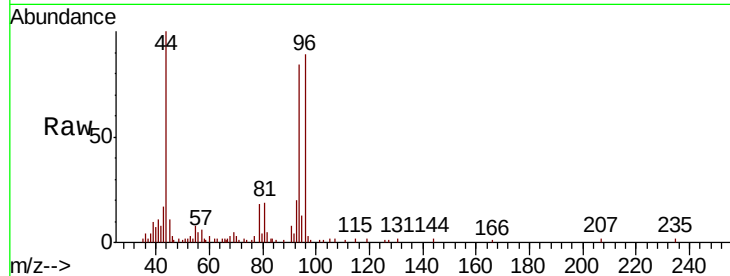
VSTDIC005

Tgt Ion: 94 Resp: 25329

Ion Ratio Lower Upper

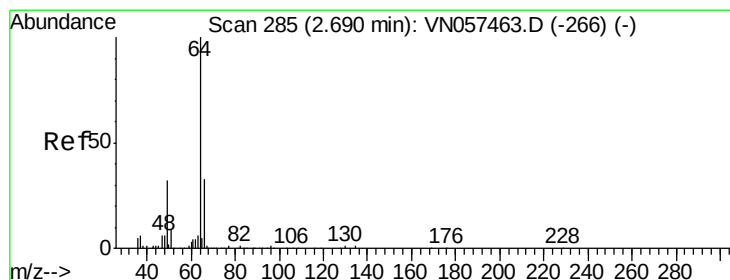
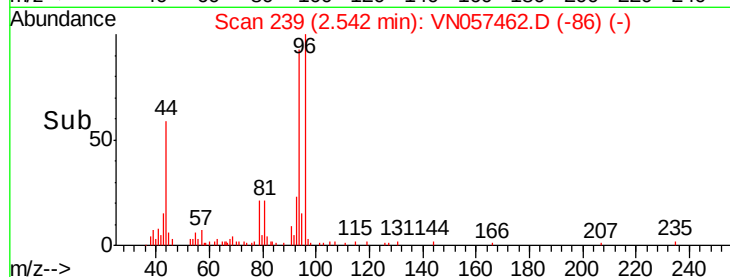
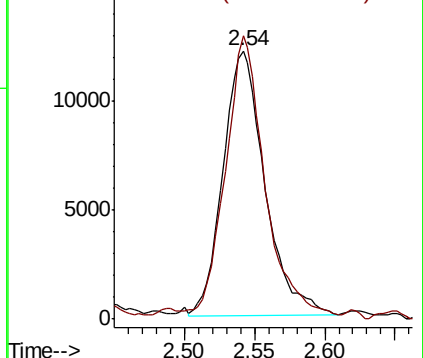
94 100

96 105.6 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: 8.160 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057462.D

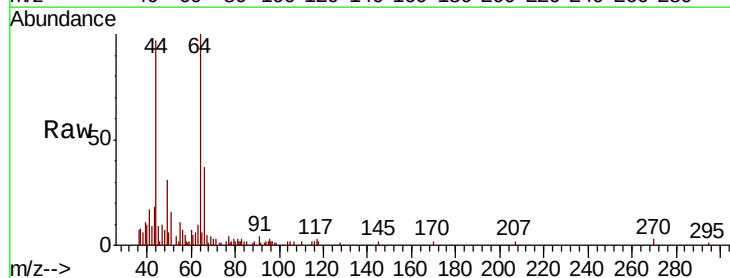
Acq: 23 Aug 2019 9:12

Tgt Ion: 64 Resp: 26982

Ion Ratio Lower Upper

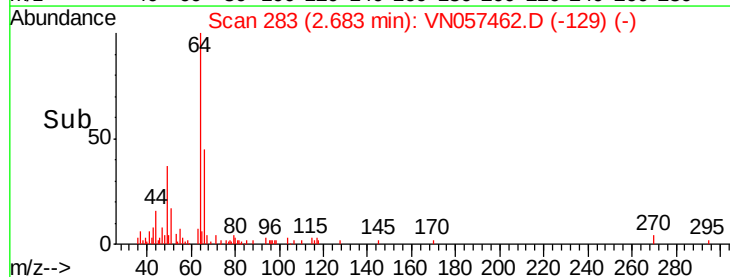
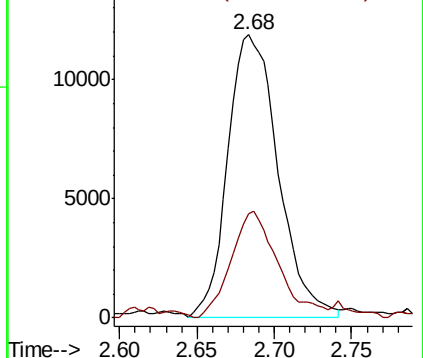
64 100

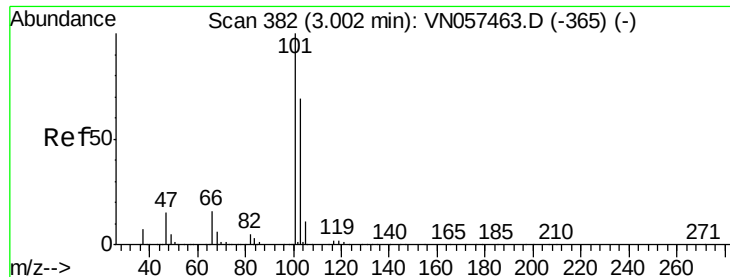
66 35.7 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



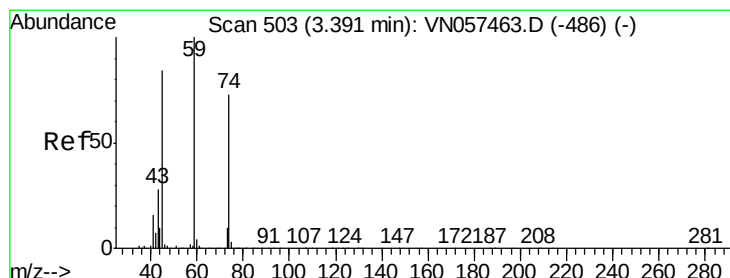
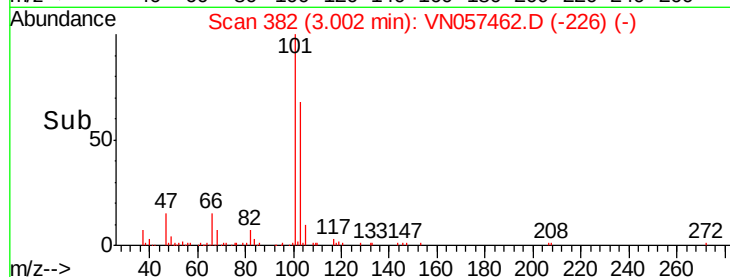
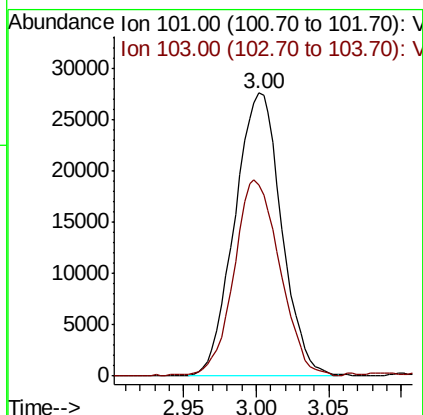
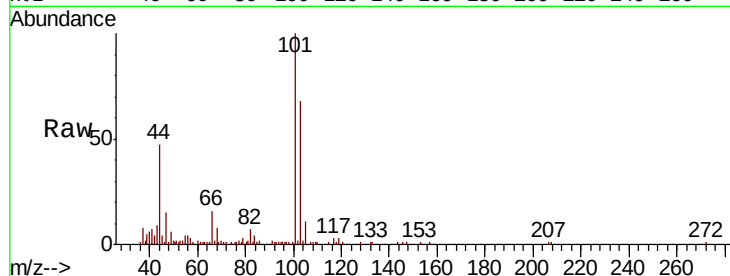


#7

Trichlorofluoromethane
 Concen: 7.975 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

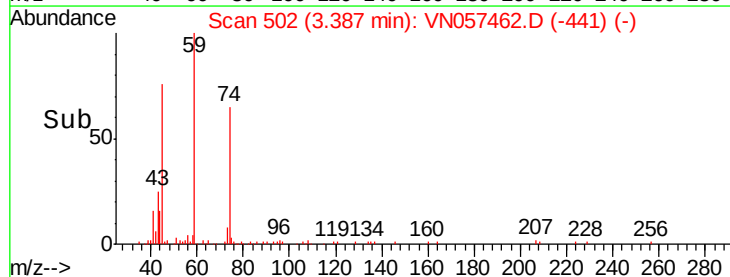
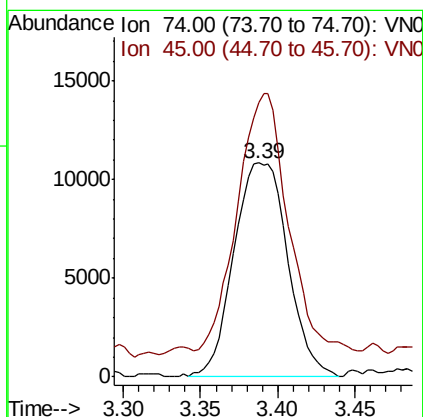
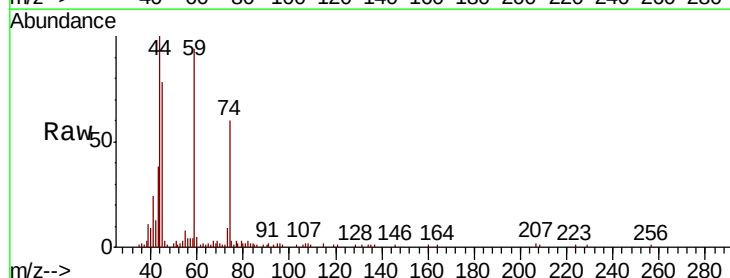
Tgt Ion:101 Resp: 61956
 Ion Ratio Lower Upper
 101 100
 103 67.7 55.0 82.4

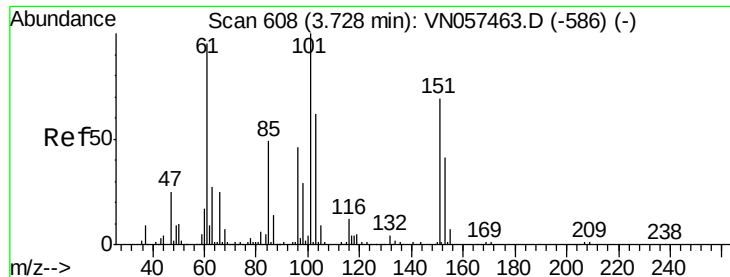


#8

Diethyl Ether
 Concen: 9.022 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 74 Resp: 26212
 Ion Ratio Lower Upper
 74 100
 45 111.1 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.079 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

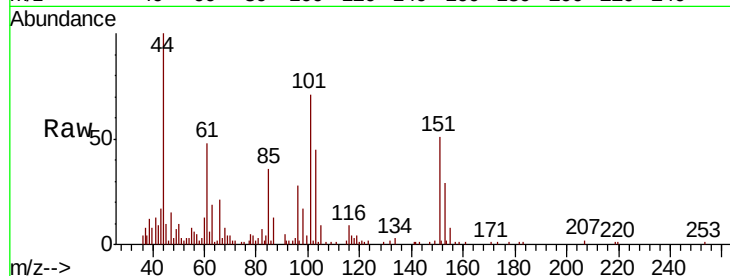
Tgt Ion:101 Resp: 36779

Ion Ratio Lower Upper

101 100

85 28.3 0.0 101.6

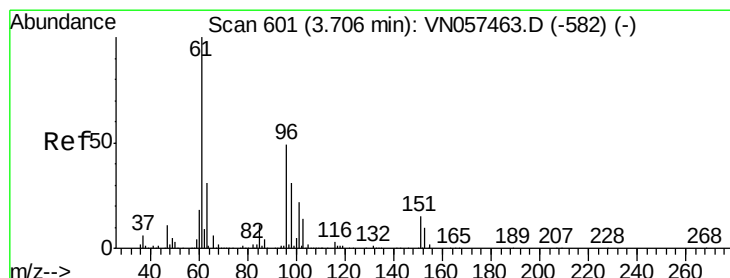
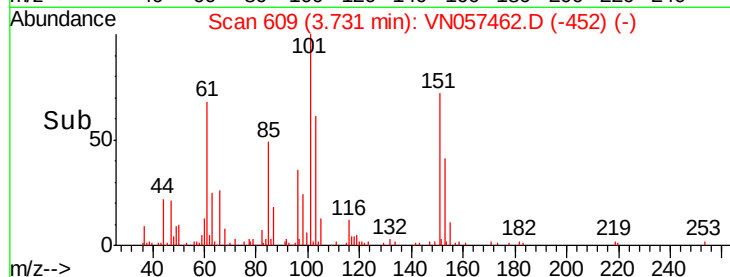
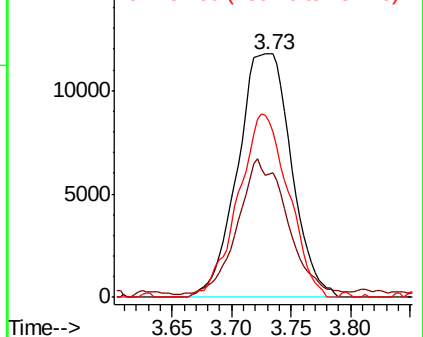
151 70.5 0.0 139.4



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: 8.126 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

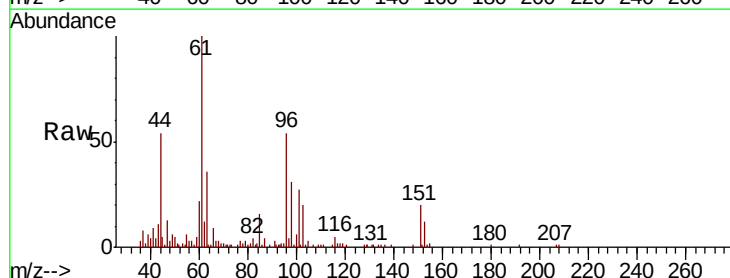
Tgt Ion: 96 Resp: 36214

Ion Ratio Lower Upper

96 100

61 185.6 162.6 244.0

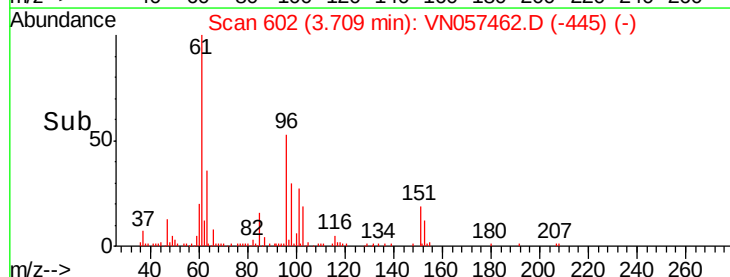
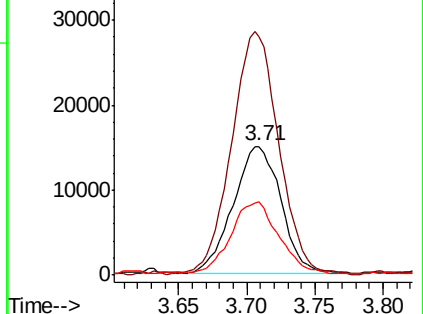
98 56.6 51.1 76.7

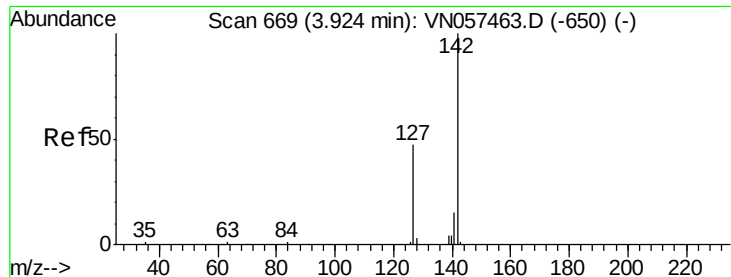


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

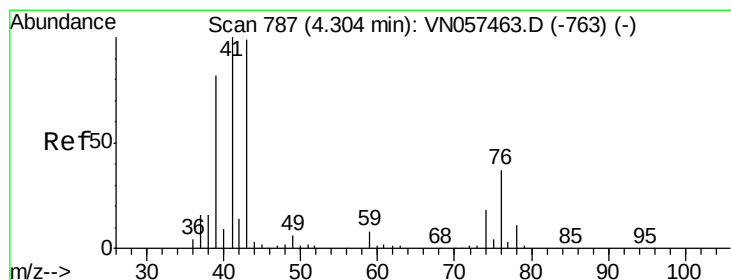
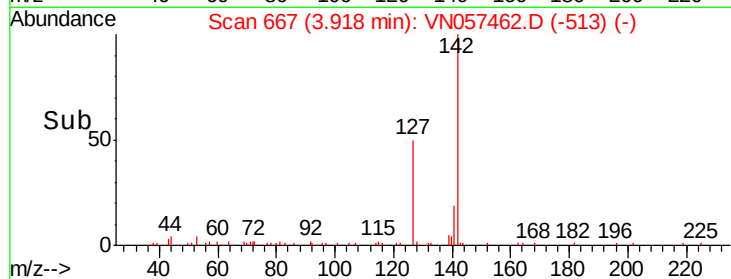
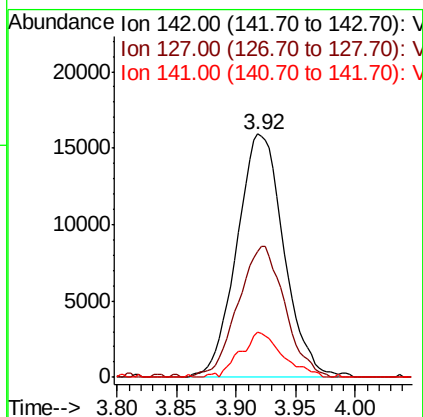
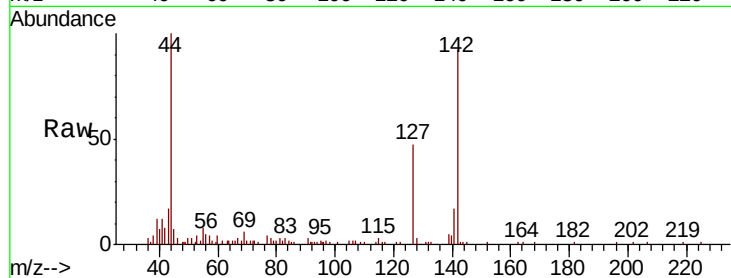




#11
Methyl Iodide
Concen: 6.860 ug/l
RT: 3.92 min Scan# 667
Delta R.T. -0.01 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

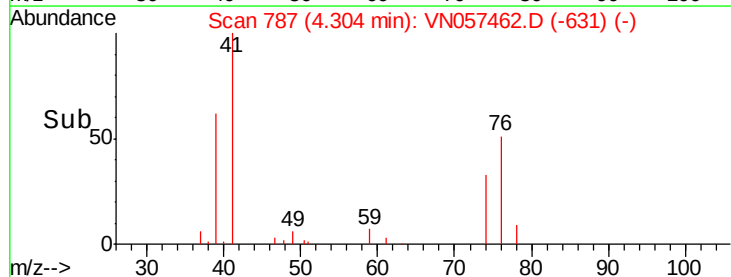
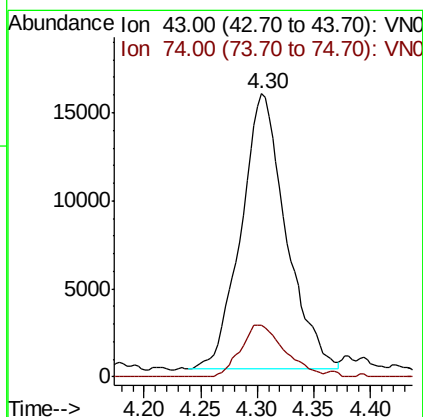
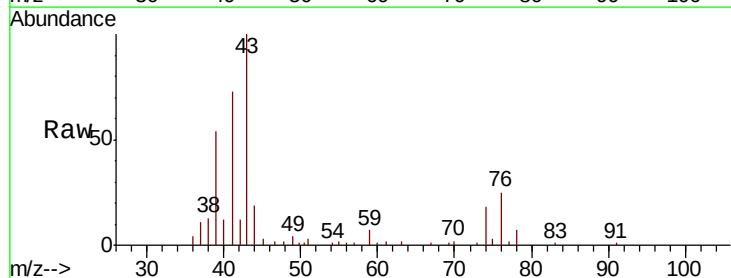
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

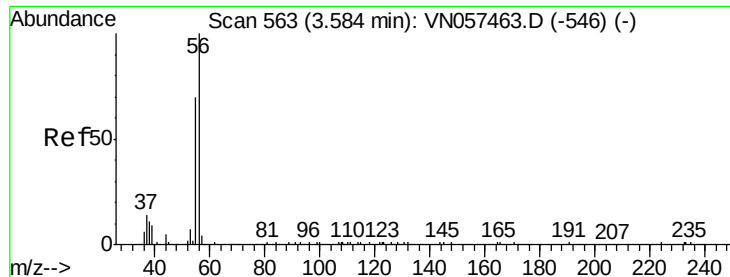
Tgt Ion:142 Resp: 43575
Ion Ratio Lower Upper
142 100
127 51.8 24.0 72.0
141 17.7 7.0 21.1



#12
Methyl Acetate
Concen: 8.824 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 43 Resp: 43244
Ion Ratio Lower Upper
43 100
74 18.3 14.6 22.0





#13

Acrolein

Concen: 44.926 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampled :

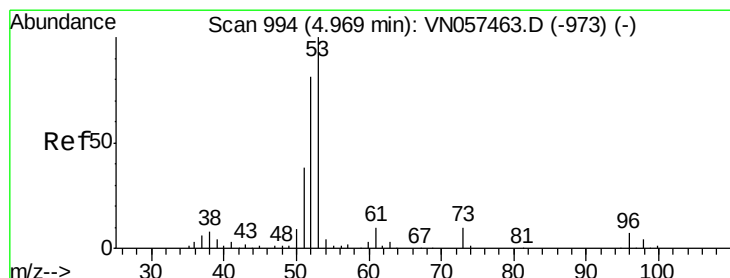
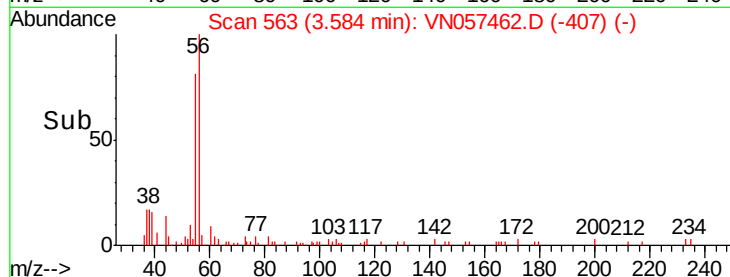
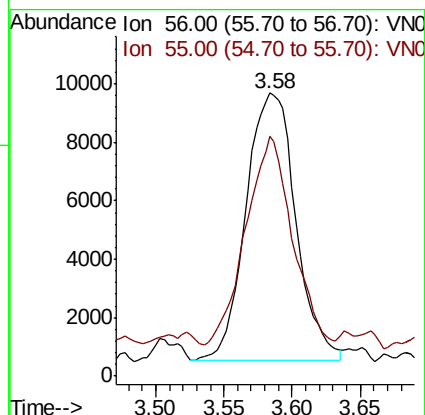
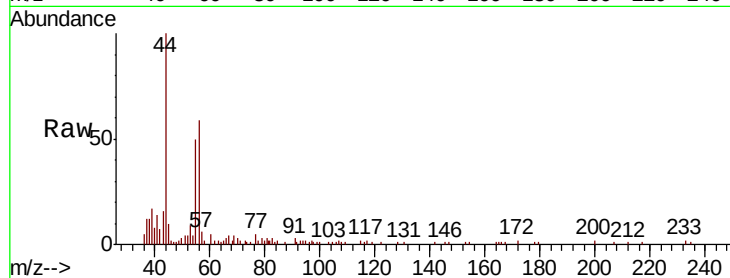
VSTDIC005

Tgt Ion: 56 Resp: 23132

Ion Ratio Lower Upper

56 100

55 72.4 56.7 85.1



#14

Acrylonitrile

Concen: 29.970 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

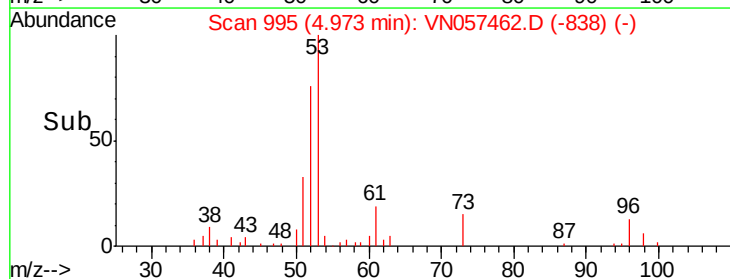
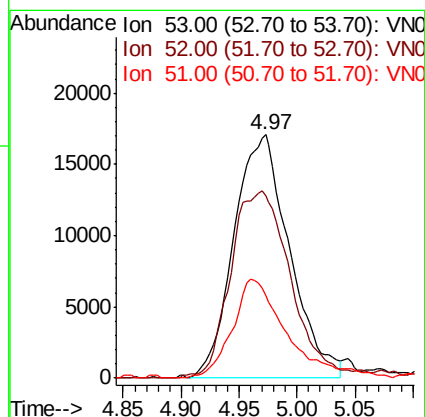
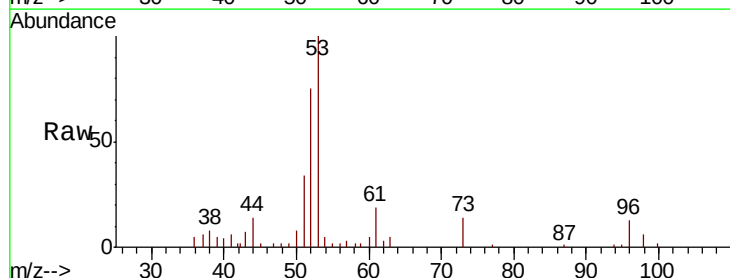
Tgt Ion: 53 Resp: 56933

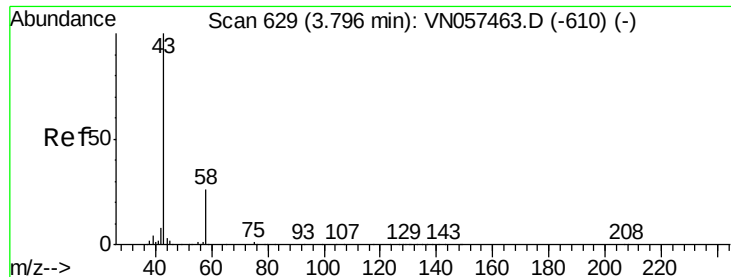
Ion Ratio Lower Upper

53 100

52 0.2 41.3 123.9#

51 35.9 18.3 54.9

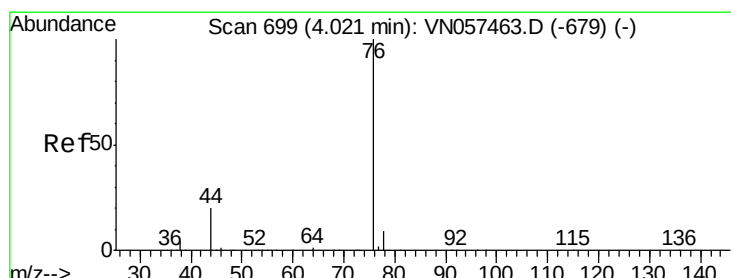
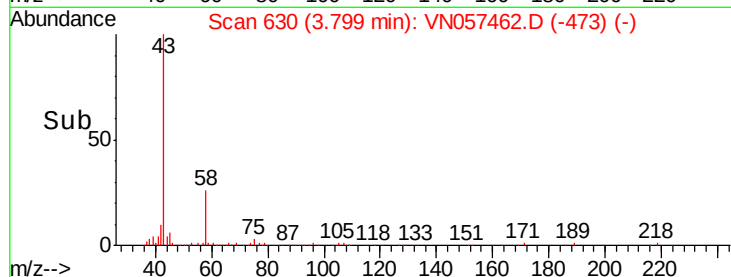
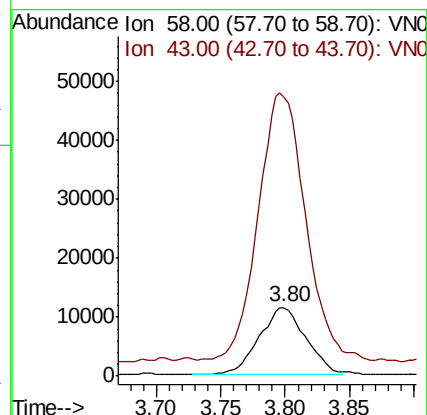
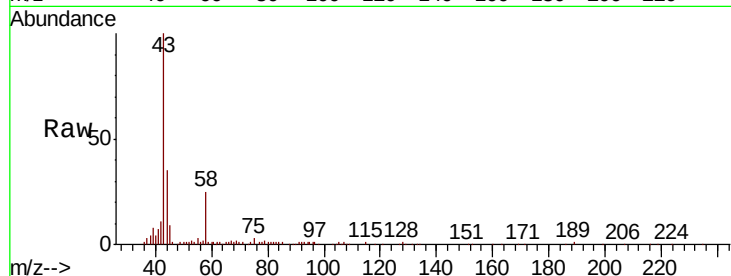




#15
Acetone
Concen: 43.979 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

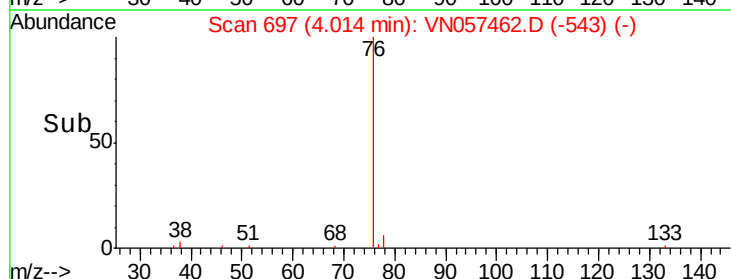
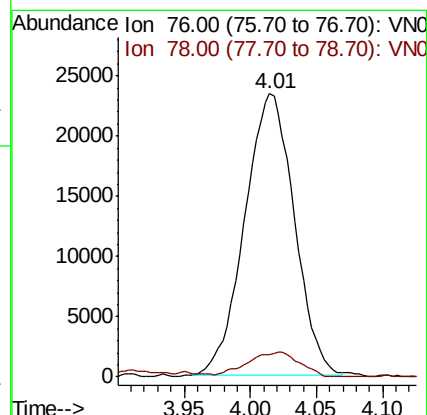
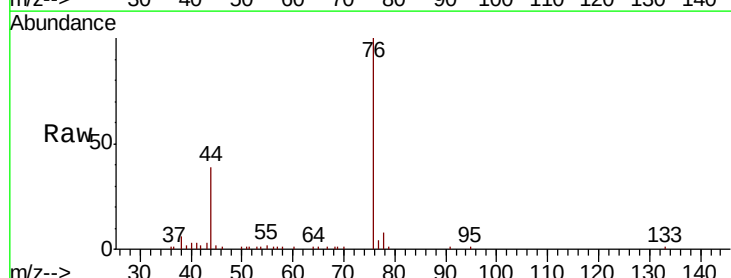
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

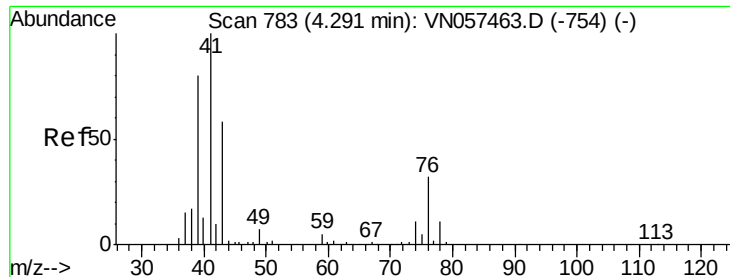
Tgt Ion: 58 Resp: 28996
Ion Ratio Lower Upper
58 100
43 389.2 304.4 456.6



#16
Carbon Disulfide
Concen: 5.548 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.01 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 76 Resp: 60799
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

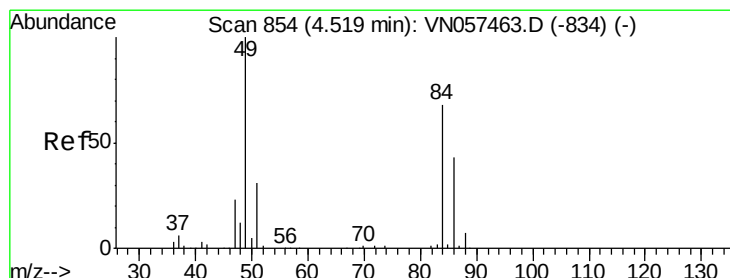
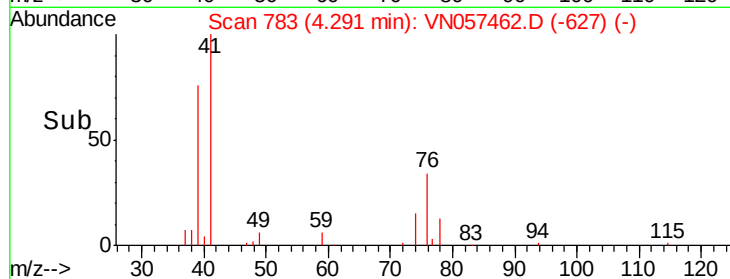
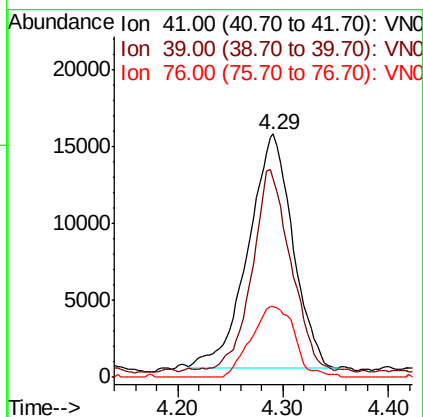
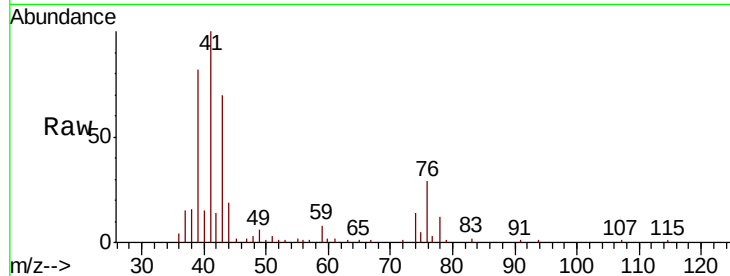




#17
 Allyl chloride
 Concen: 6.982 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

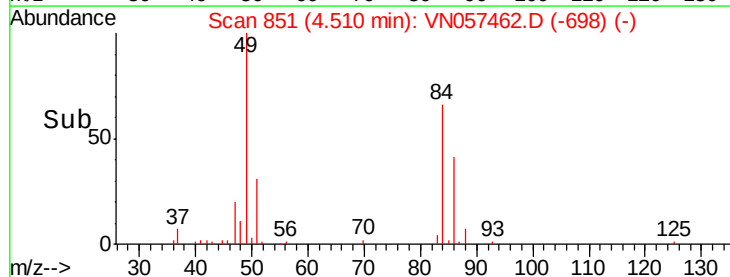
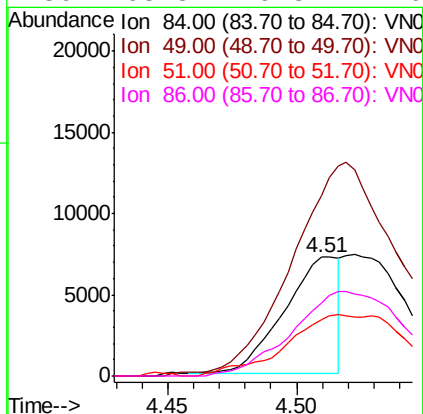
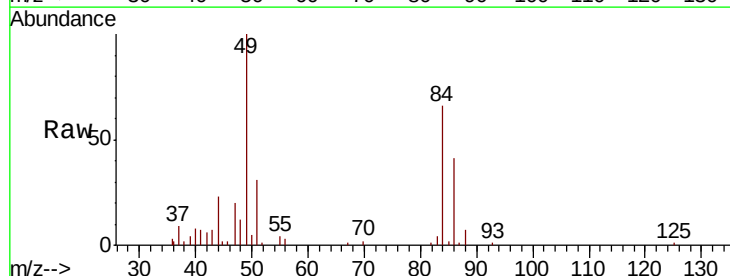
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

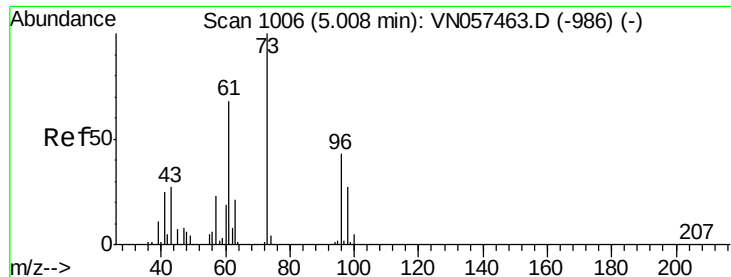
Tgt Ion: 41 Resp: 44715
 Ion Ratio Lower Upper
 41 100
 39 81.9 40.1 120.2
 76 30.4 16.2 48.6



#18
 Methylene Chloride
 Concen: 2.325 ug/l
 RT: 4.51 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 84 Resp: 10611
 Ion Ratio Lower Upper
 84 100
 49 152.6 116.8 175.2
 51 50.6 36.4 54.6
 86 63.3 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 5.672 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

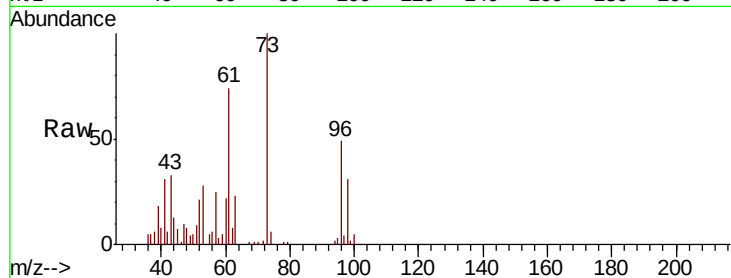
Tgt Ion: 96 Resp: 24398

Ion Ratio Lower Upper

96 100

61 148.6 127.6 191.4

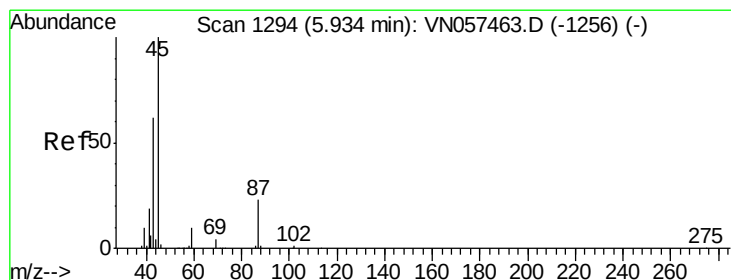
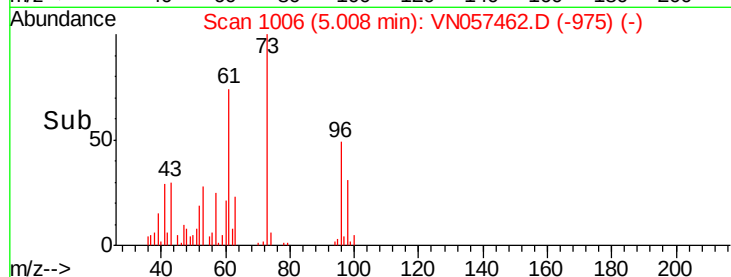
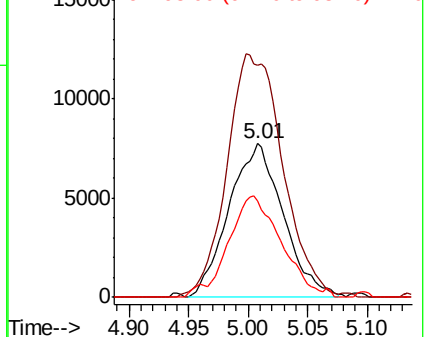
98 62.8 51.5 77.3



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: 7.273 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Tgt Ion: 45 Resp: 97470

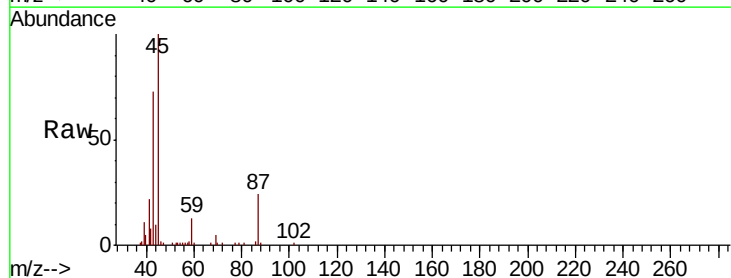
Ion Ratio Lower Upper

45 100

43 69.7 49.9 74.9

87 23.7 19.1 28.7

59 13.5 8.3 12.5#

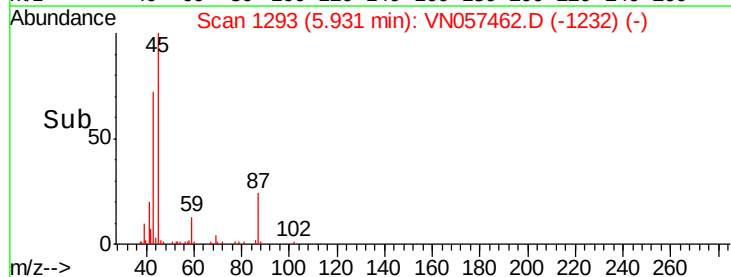
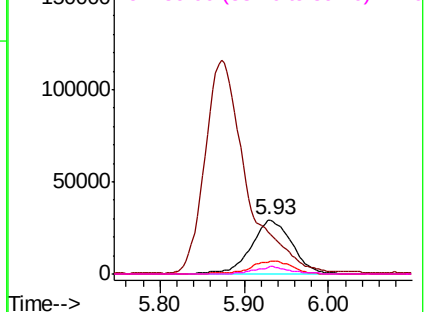


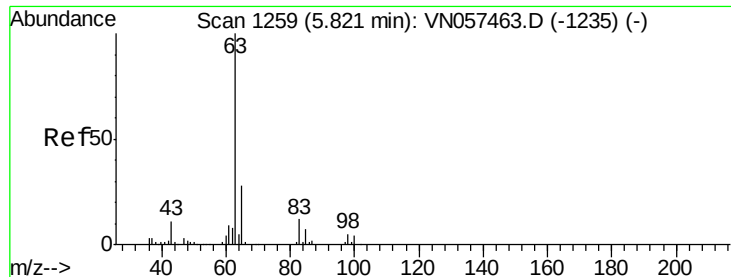
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 6.302 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

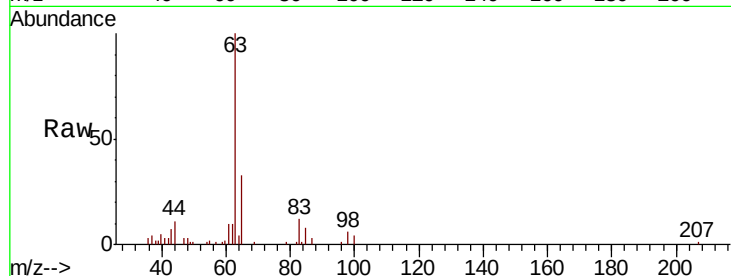
Tgt Ion: 63 Resp: 49821

Ion Ratio Lower Upper

63 100

98 5.7 2.4 7.1

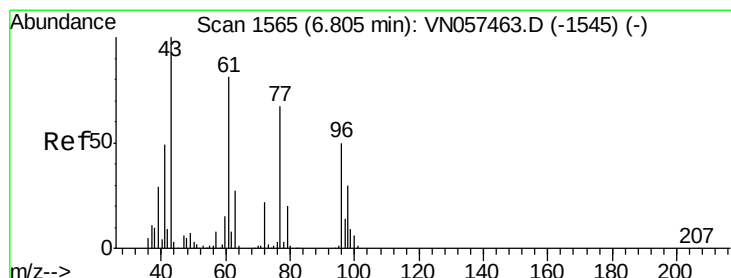
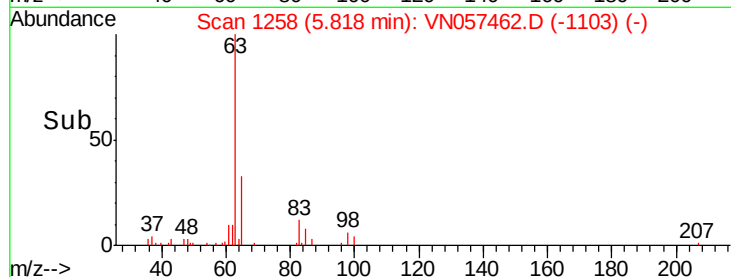
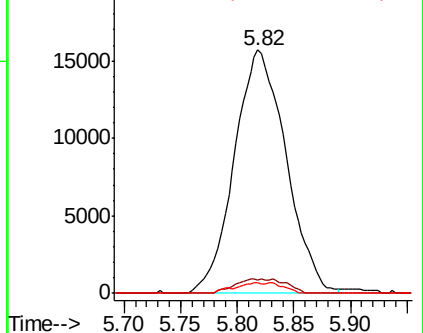
100 4.1 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 5.645 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

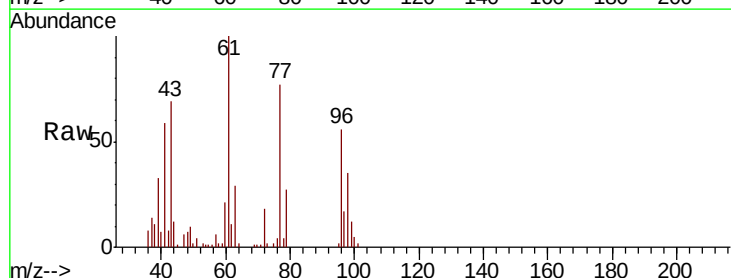
Tgt Ion: 96 Resp: 28571

Ion Ratio Lower Upper

96 100

61 173.7 134.4 201.6

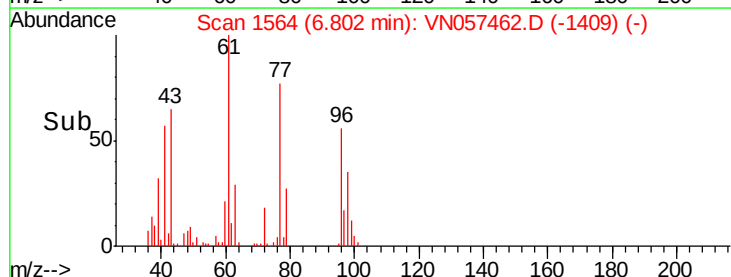
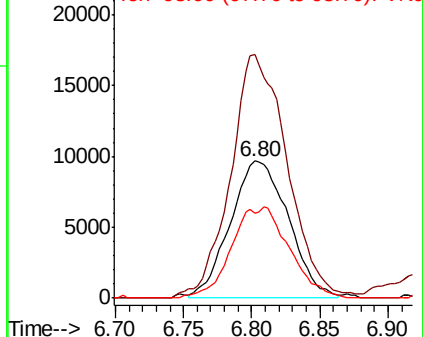
98 29.2 51.4 77.0#

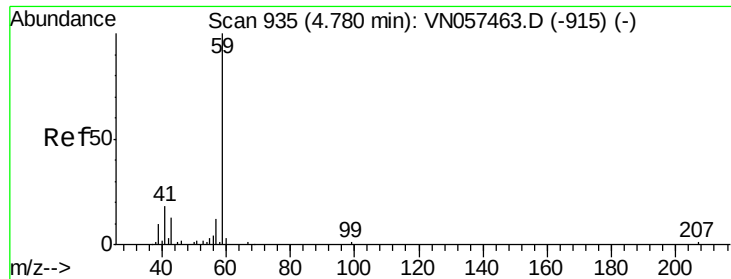


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

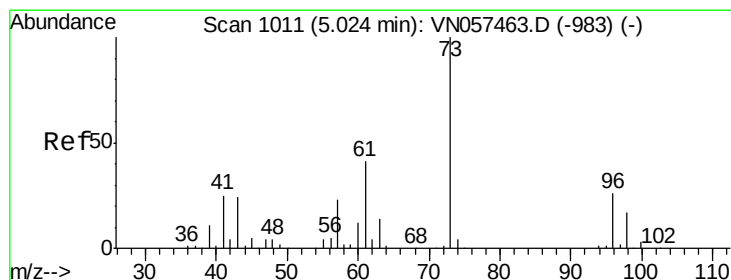
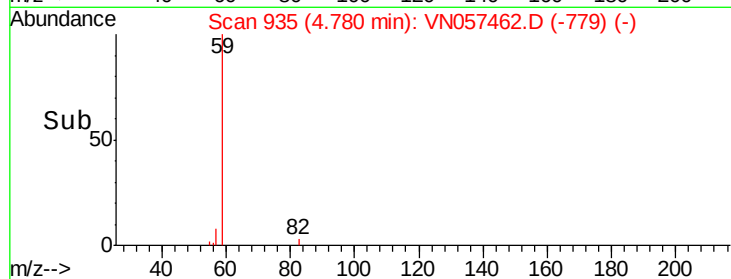
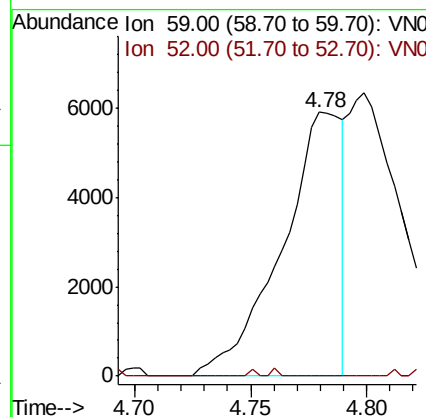
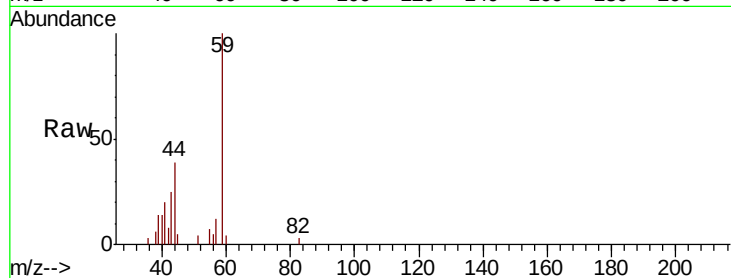




#23
 tert-Butyl Alcohol
 Concen: 15.651 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

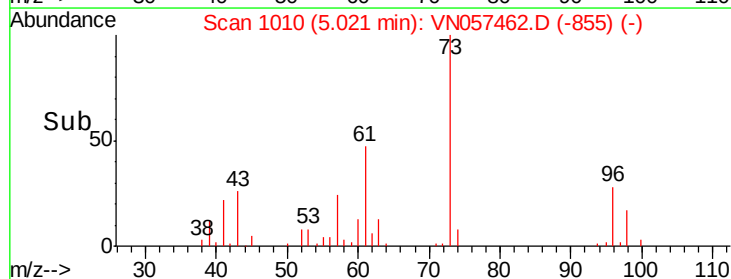
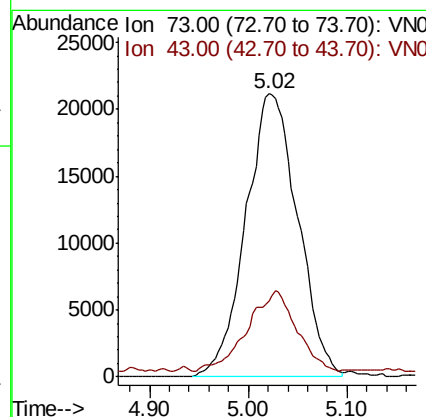
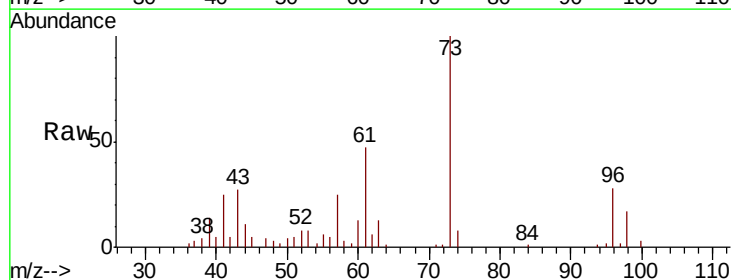
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

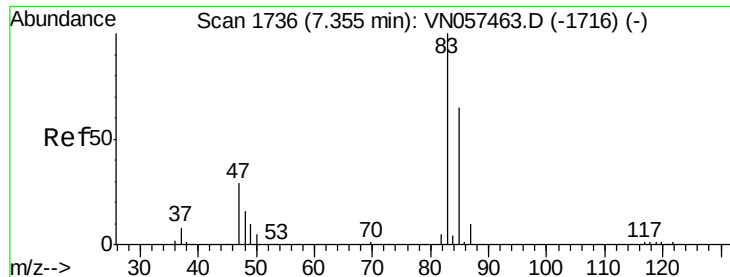
Tgt Ion: 59 Resp: 10661
 Ion Ratio Lower Upper
 59 100
 52 0.6 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 6.071 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 73 Resp: 77217
 Ion Ratio Lower Upper
 73 100
 43 10.5 20.1 30.1#

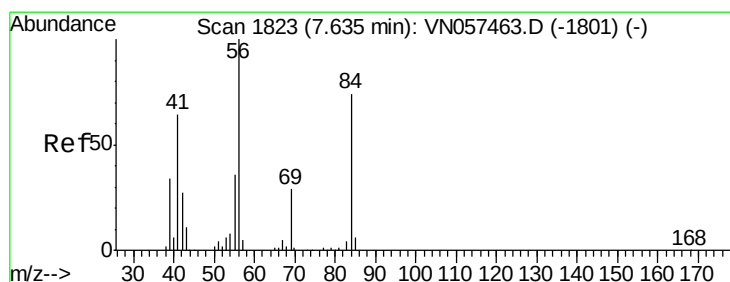
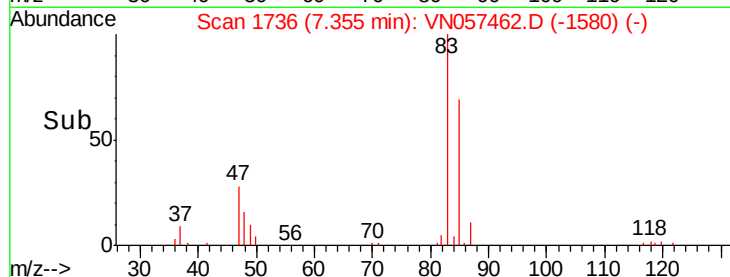
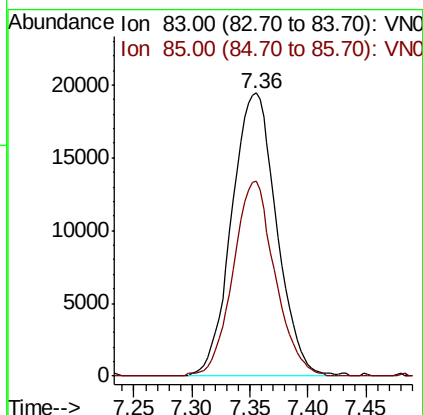
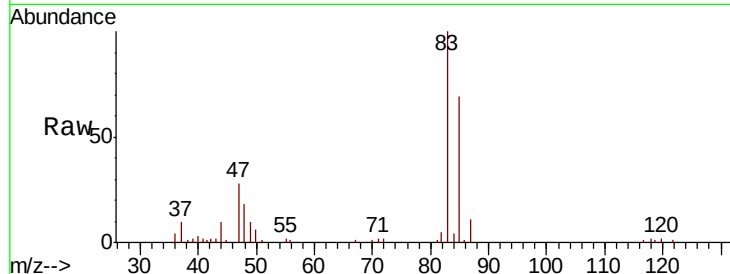




#25
Chloroform
Concen: 6.432 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

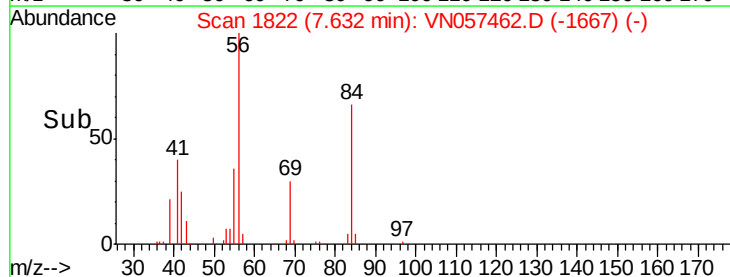
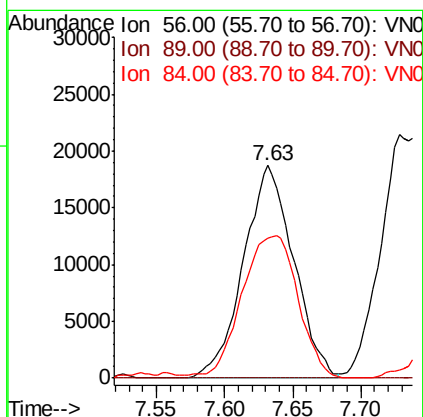
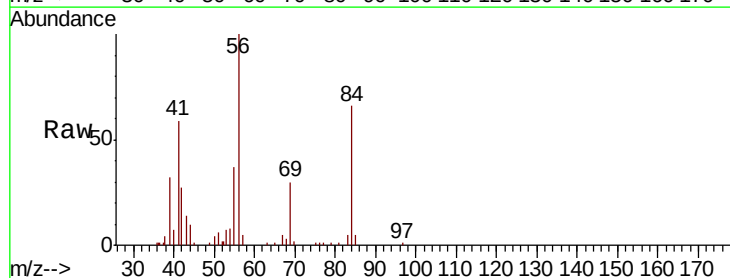
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

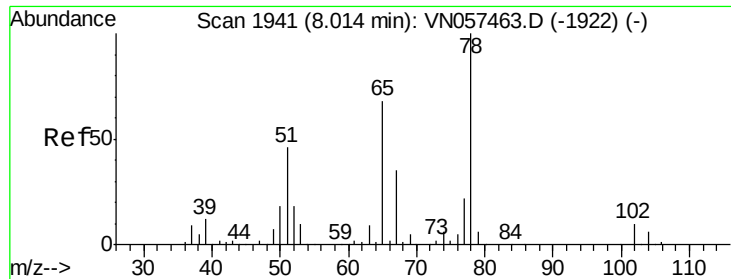
Tgt Ion: 83 Resp: 52304
Ion Ratio Lower Upper
83 100
85 68.8 52.0 78.0



#26
Cyclohexane
Concen: 7.201 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 56 Resp: 47932
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 74.2 61.1 91.7

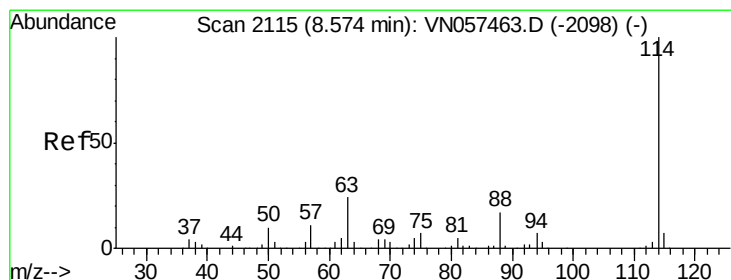
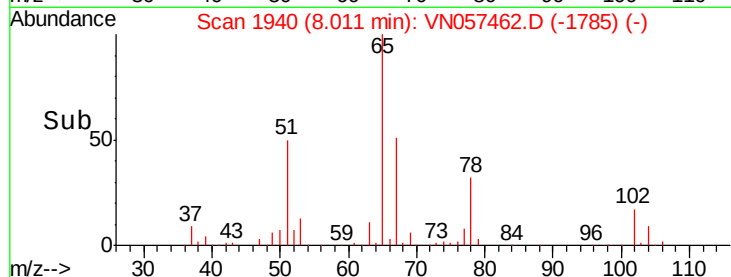
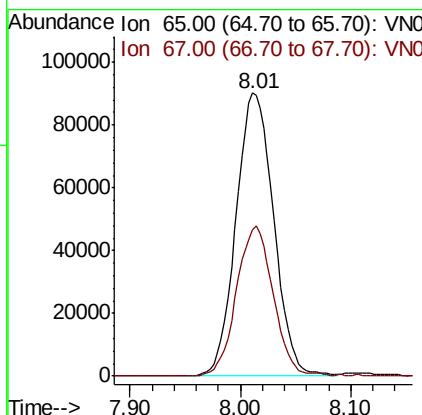
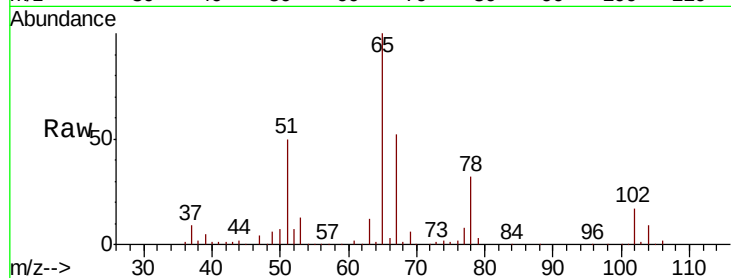




#27
 1,2-Dichloroethane-d4
 Concen: 40.809 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

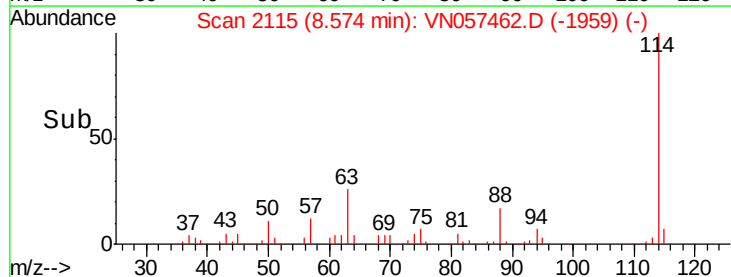
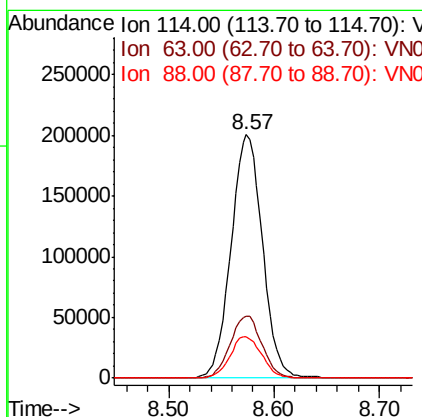
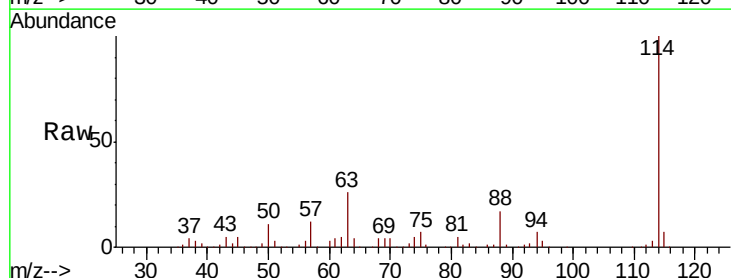
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

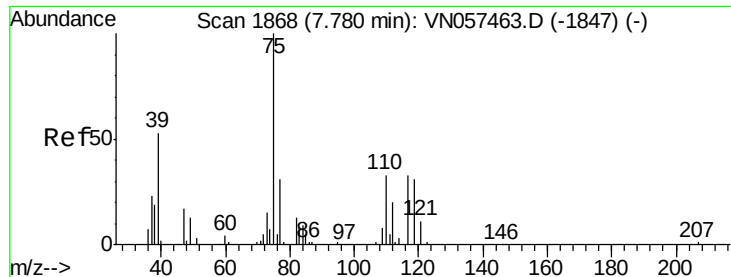
Tgt Ion: 65 Resp: 213797
 Ion Ratio Lower Upper
 65 100
 67 51.4 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 114 Resp: 414138
 Ion Ratio Lower Upper
 114 100
 63 25.9 19.6 29.4
 88 17.2 13.1 19.7

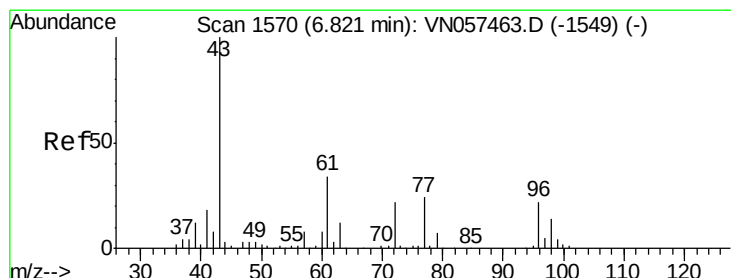
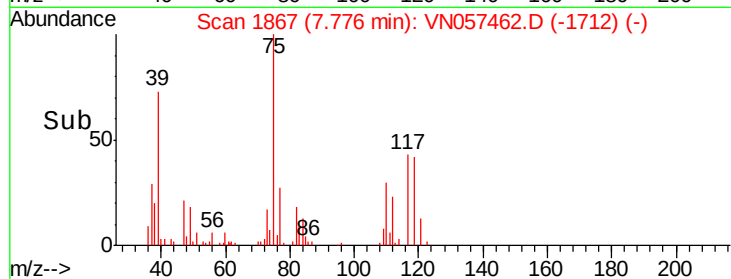
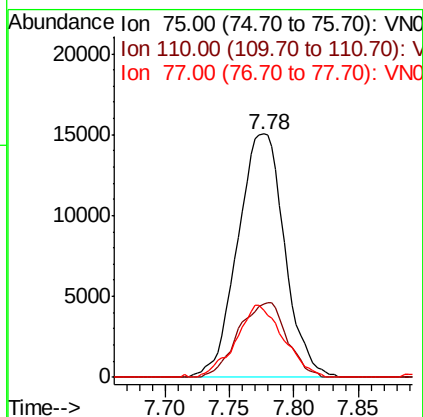
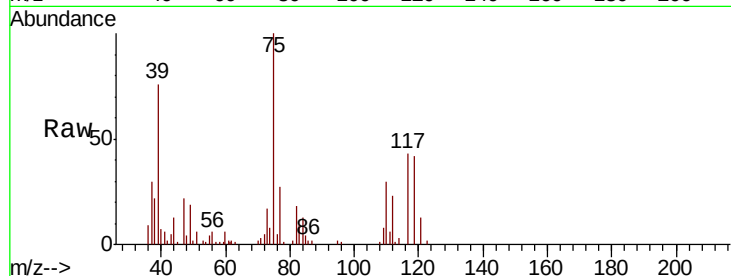




#29
 1,1-Dichloropropene
 Concen: 6.185 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

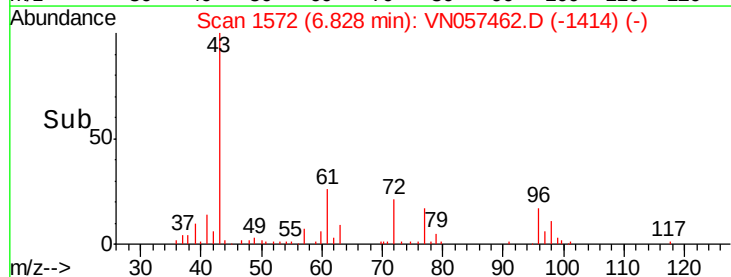
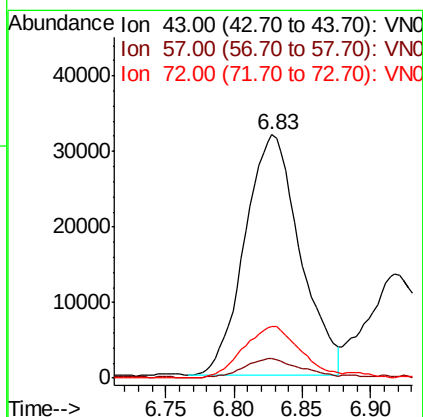
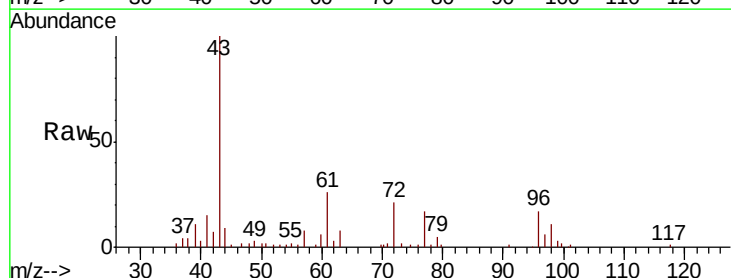
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

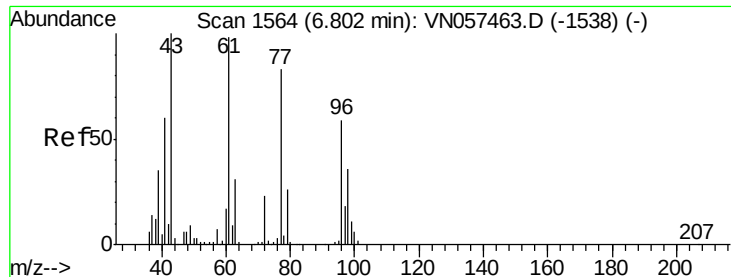
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	0.0	64.0
77	30.0	0.0	63.4



#30
 2-Butanone
 Concen: 34.909 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	5.7	8.5
72	22.0	18.2	27.2

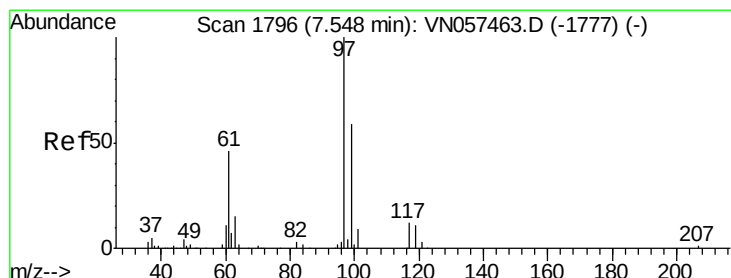
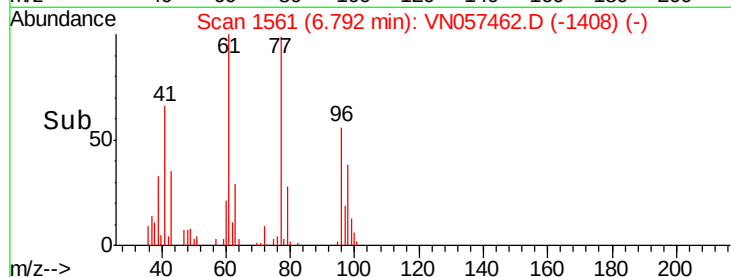
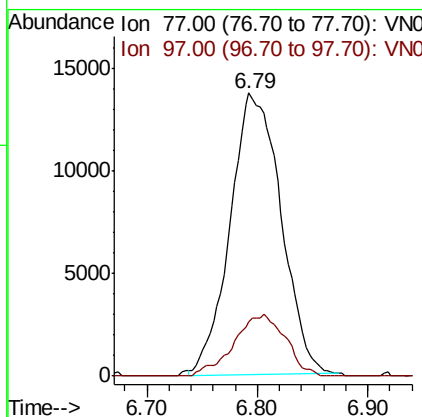
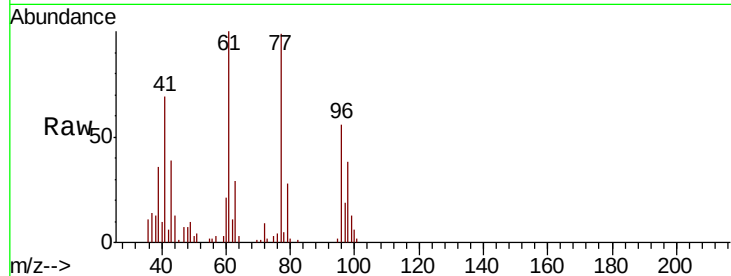




#31
 2,2-Dichloropropane
 Concen: 6.458 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

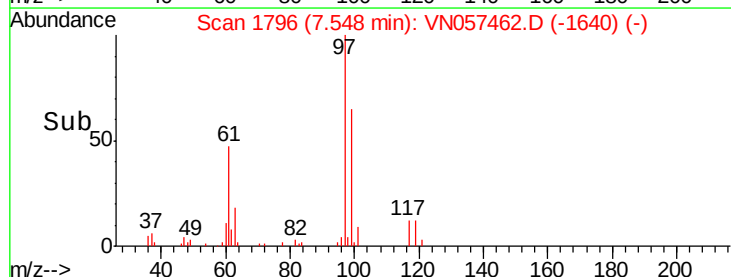
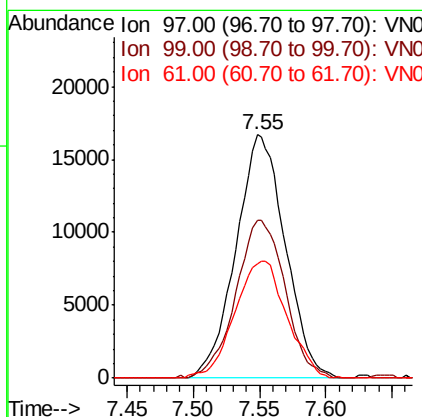
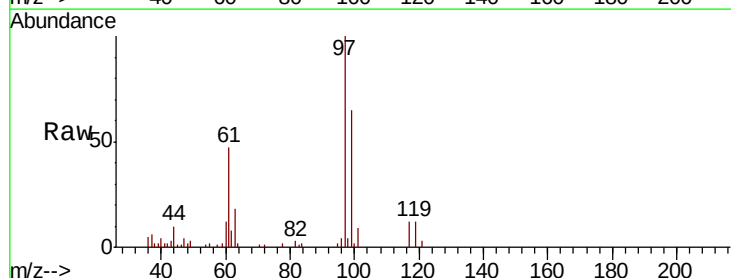
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

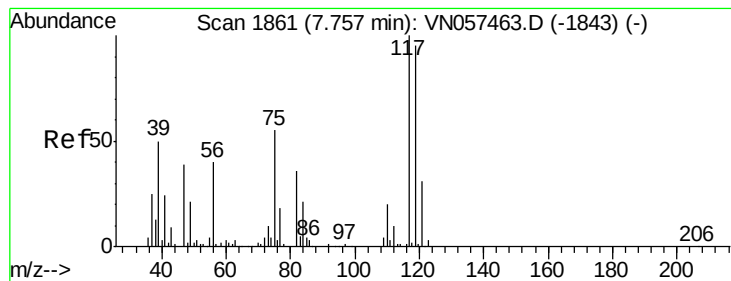
Tgt Ion: 77 Resp: 44050
 Ion Ratio Lower Upper
 77 100
 97 7.8 17.0 25.4#



#32
 1,1,1-Trichloroethane
 Concen: 5.980 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 97 Resp: 43139
 Ion Ratio Lower Upper
 97 100
 99 64.9 49.6 74.4
 61 50.7 40.9 61.3





#33

Carbon Tetrachloride

Concen: 5.425 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

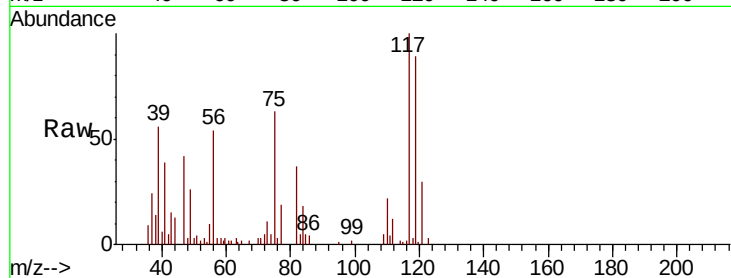
Tgt Ion: 117 Resp: 34415

Ion Ratio Lower Upper

117 100

119 89.2 76.8 115.2

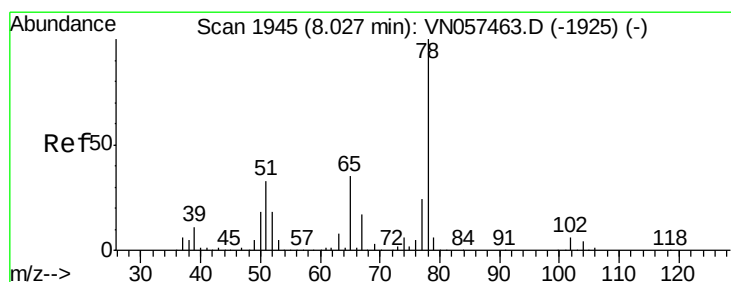
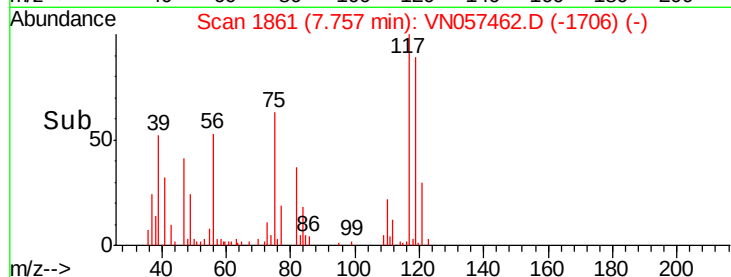
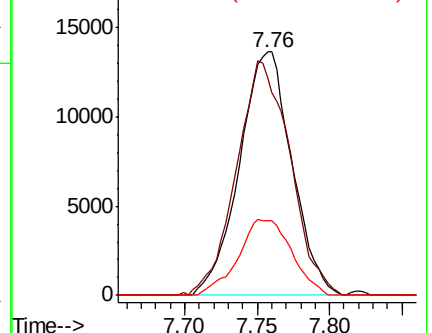
121 30.4 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 6.003 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

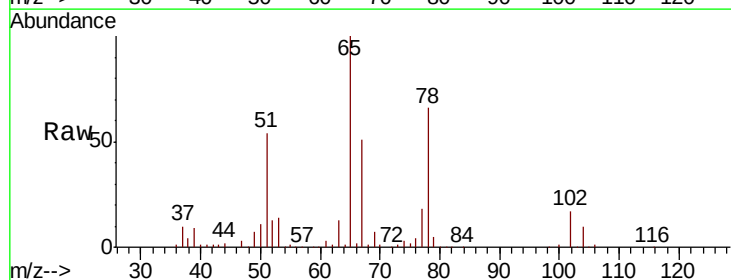
Tgt Ion: 78 Resp: 111662

Ion Ratio Lower Upper

78 100

77 26.8 19.5 29.3

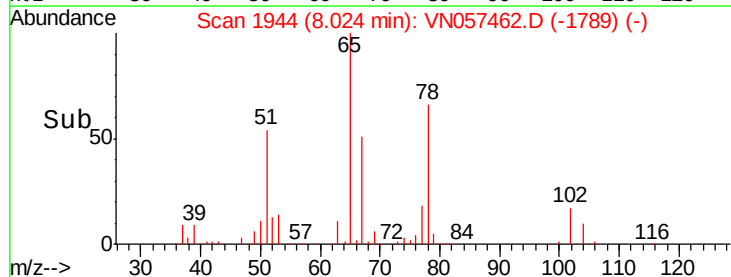
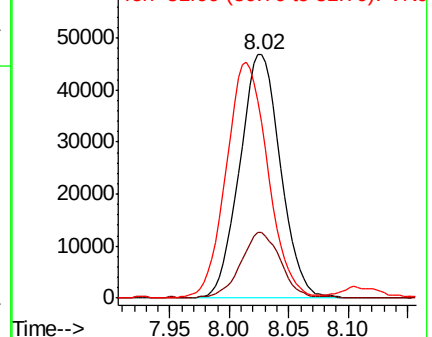
51 79.7 26.0 39.0#

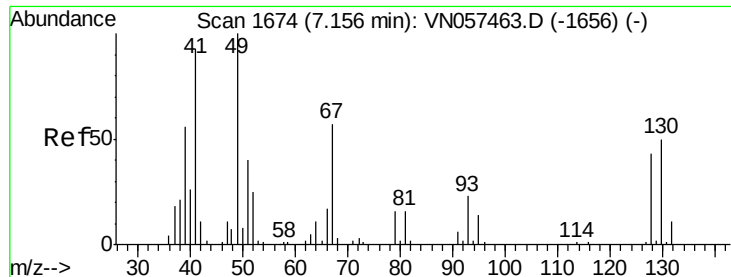


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

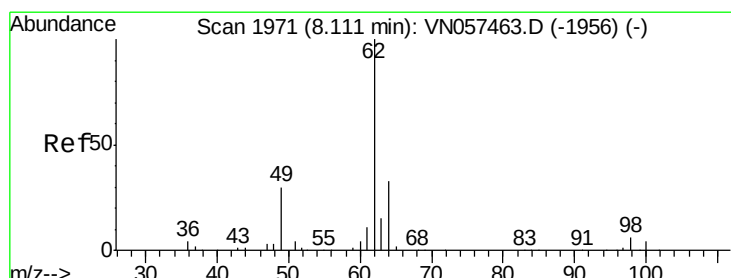
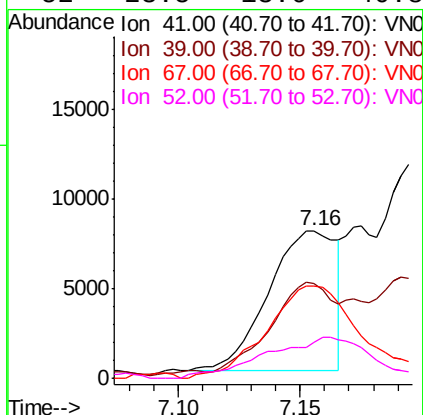
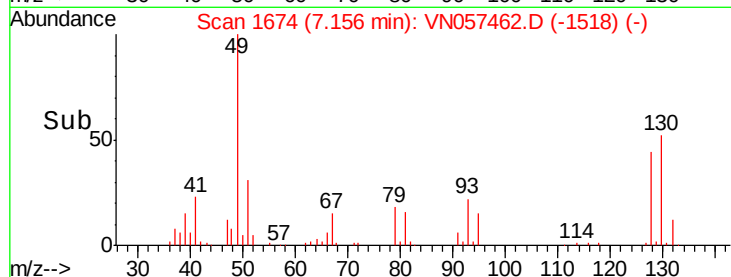
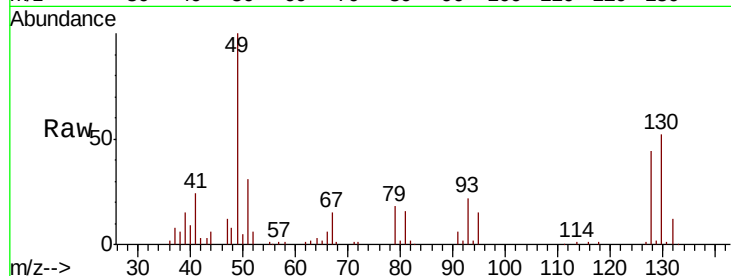




#35
Methacrylonitrile
Concen: 4.487 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

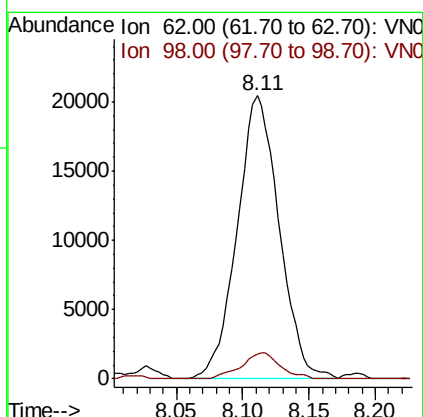
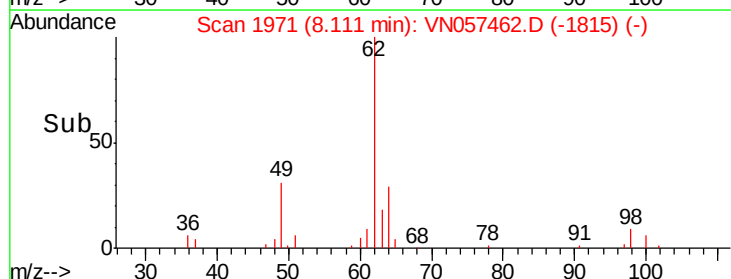
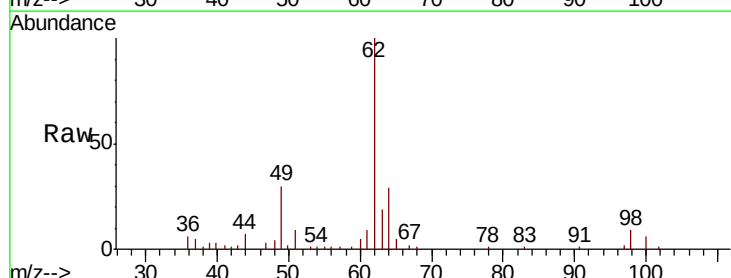
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

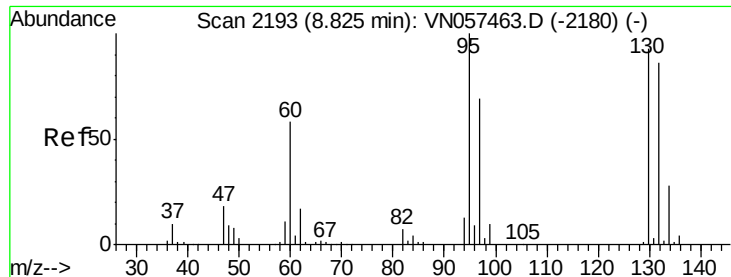
Tgt Ion:	41	Resp:	15032
Ion	Ratio	Lower	Upper
41	100		
39	62.5	30.5	91.5
67	66.2	30.9	92.5
52	23.5	13.6	40.8



#36
1,2-Dichloroethane
Concen: 7.154 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion:	62	Resp:	45171
Ion	Ratio	Lower	Upper
62	100		
98	8.6	2.8	4.2#





#37

Trichloroethene

Concen: 4.876 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

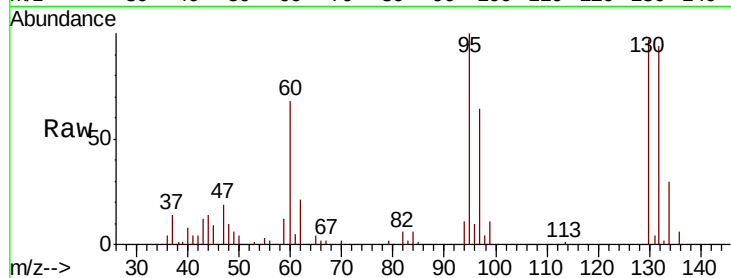
VSTDIC005

Tgt Ion:130 Resp: 25207

Ion Ratio Lower Upper

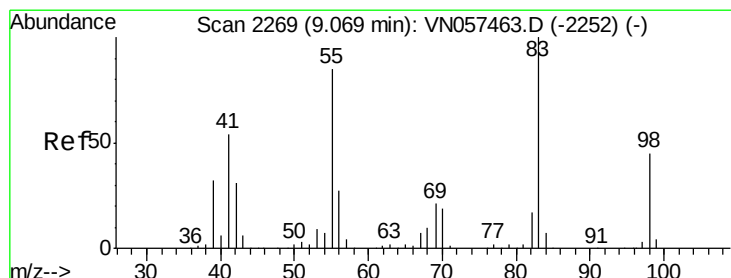
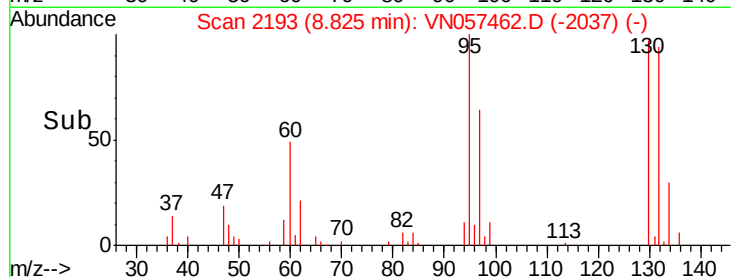
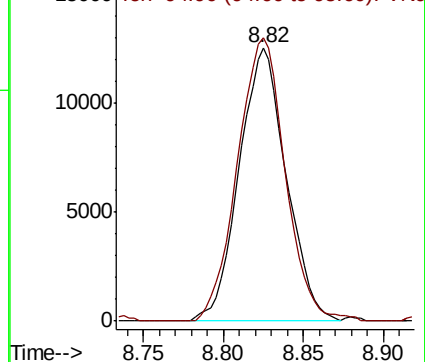
130 100

95 103.6 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): VN057463.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN057463.D (-2180) (-)



#38

Methylcyclohexane

Concen: 5.940 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

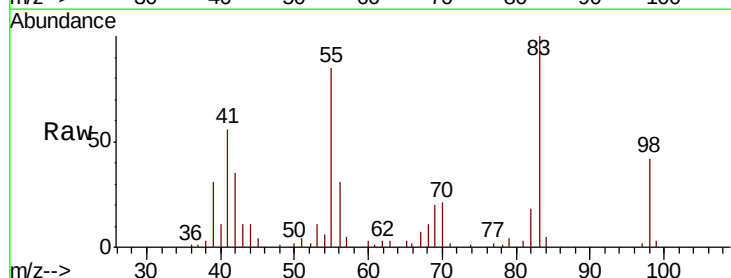
Tgt Ion: 83 Resp: 42695

Ion Ratio Lower Upper

83 100

55 86.5 43.3 129.8

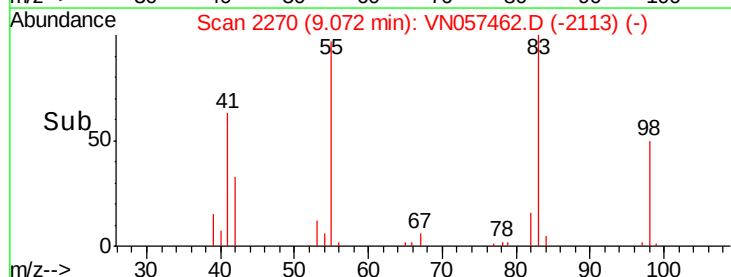
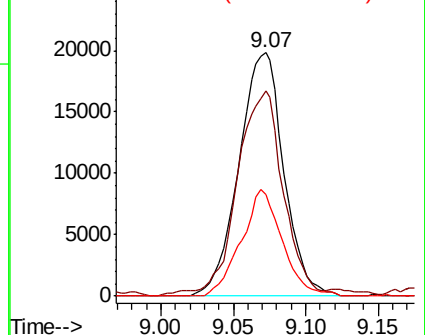
98 39.5 22.8 68.4

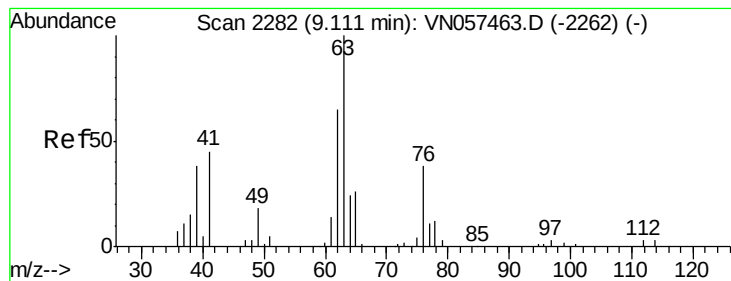


Abundance Ion 83.00 (82.70 to 83.70): VN057463.D (-2252) (-)

Ion 55.00 (54.70 to 55.70): VN057463.D (-2252) (-)

Ion 98.00 (97.70 to 98.70): VN057463.D (-2252) (-)





#39

1,2-Dichloropropane

Concen: 6.455 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

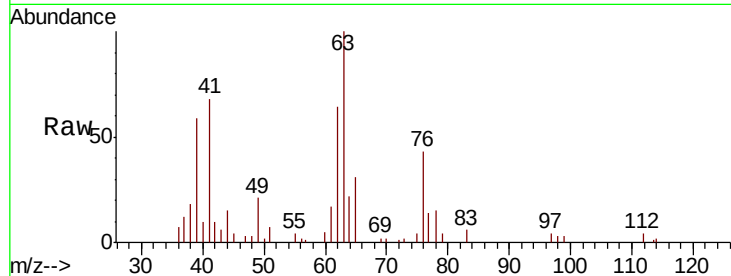
VSTDIC005

Tgt Ion: 63 Resp: 31421

Ion Ratio Lower Upper

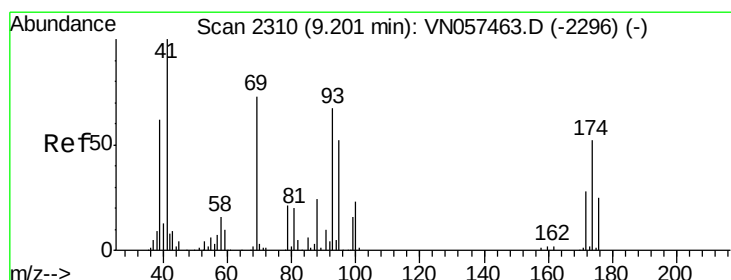
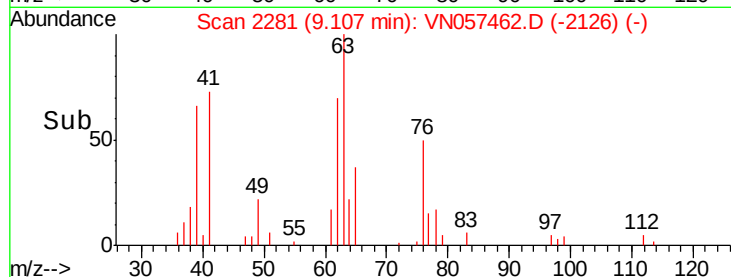
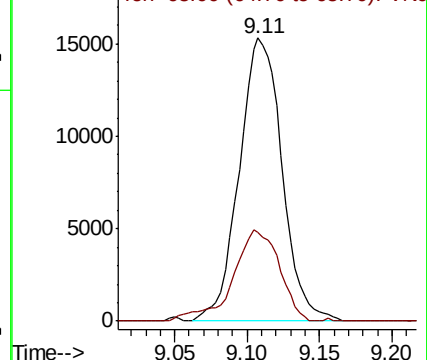
63 100

65 31.5 21.6 32.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 6.067 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

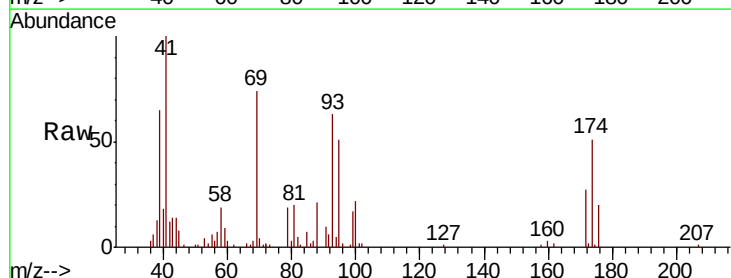
Tgt Ion: 93 Resp: 19234

Ion Ratio Lower Upper

93 100

95 84.5 0.0 160.8

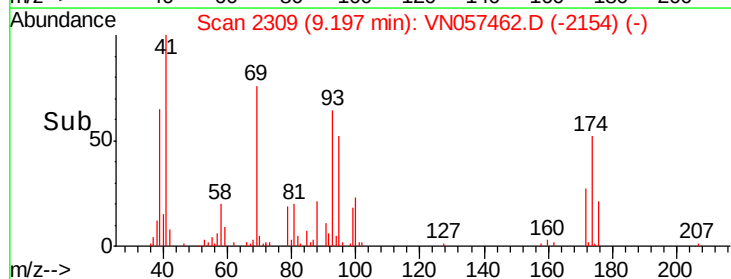
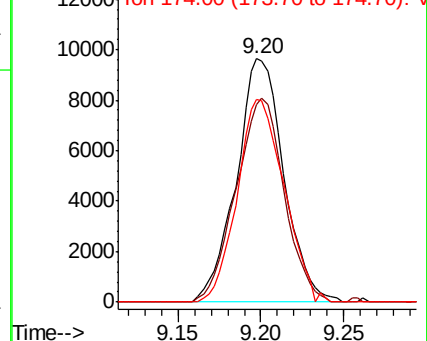
174 81.5 0.0 157.2

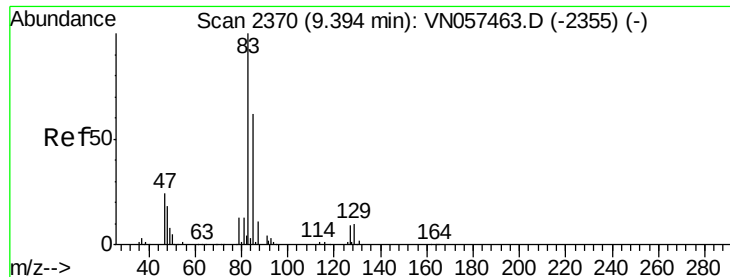


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 6.243 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

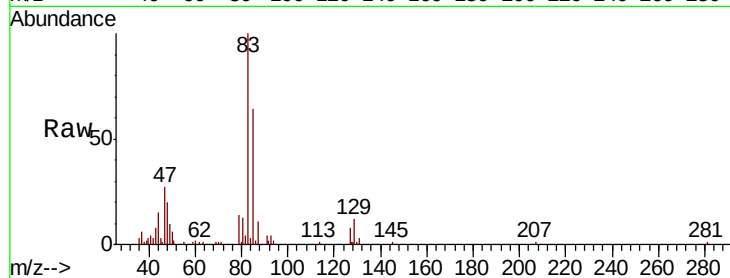
Tgt Ion: 83 Resp: 40341

Ion Ratio Lower Upper

83 100

85 63.9 49.8 74.8

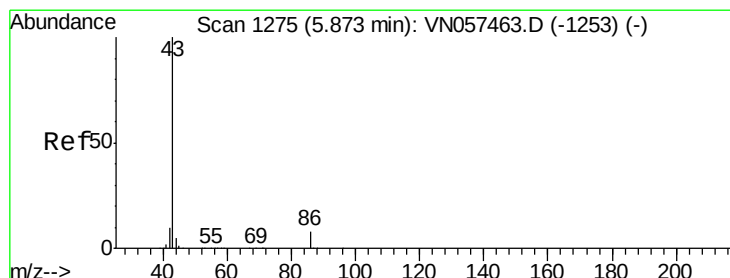
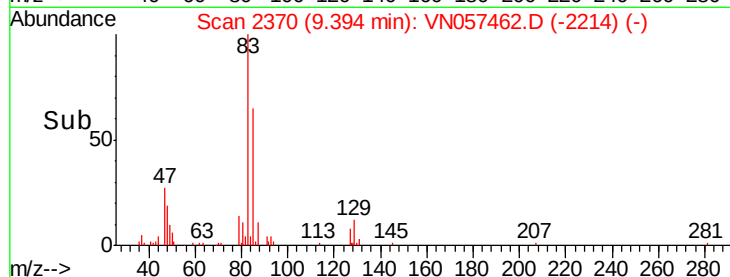
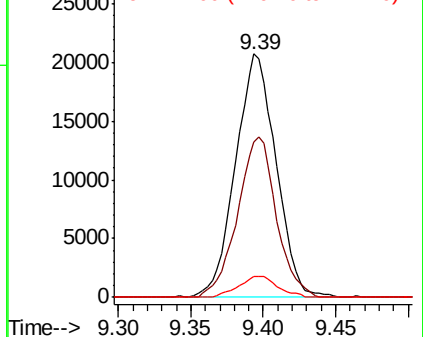
127 8.7 7.6 11.4



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: 36.268 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057462.D

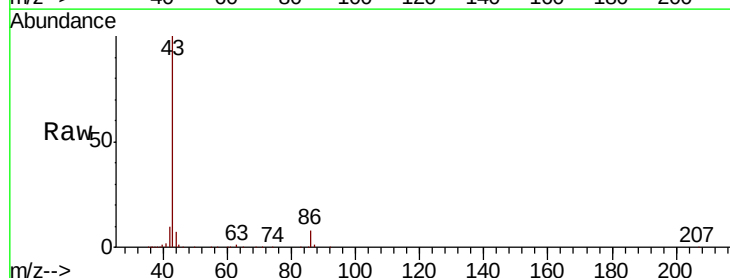
Acq: 23 Aug 2019 9:12

Tgt Ion: 43 Resp: 395155

Ion Ratio Lower Upper

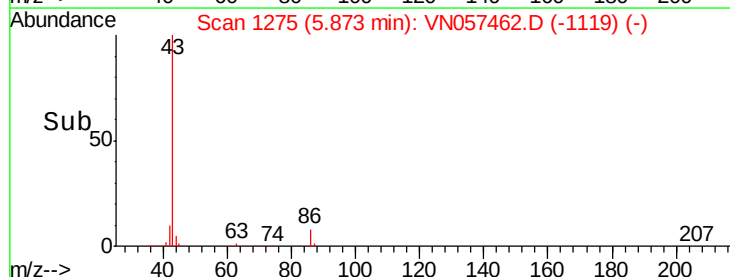
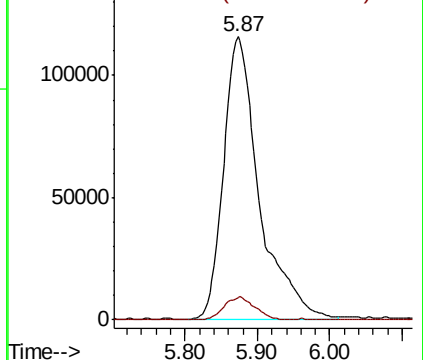
43 100

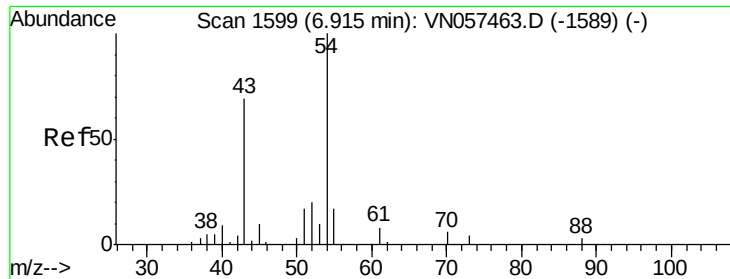
86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

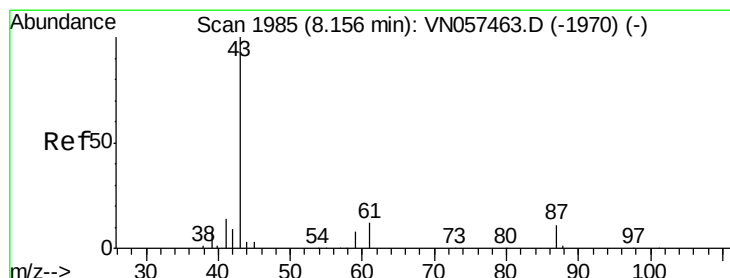
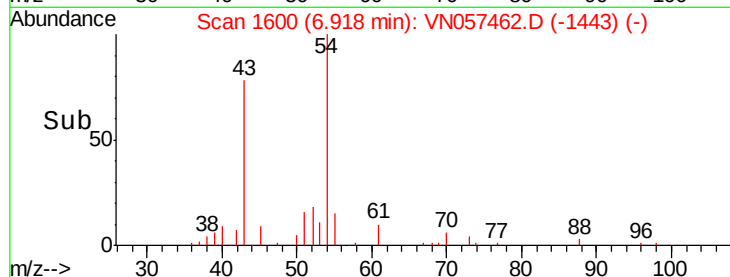
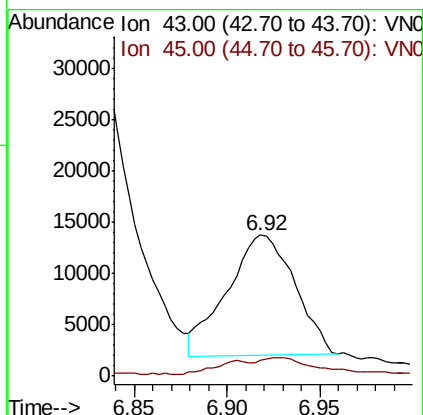
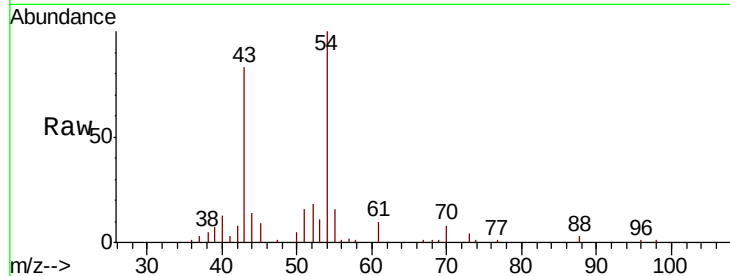




#43
Ethyl Acetate
Concen: 5.767 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

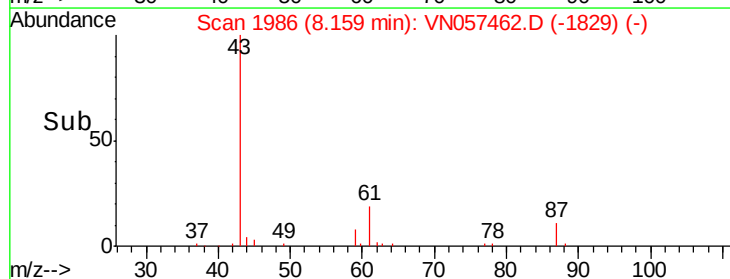
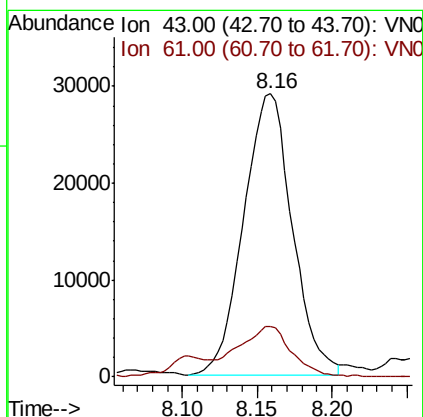
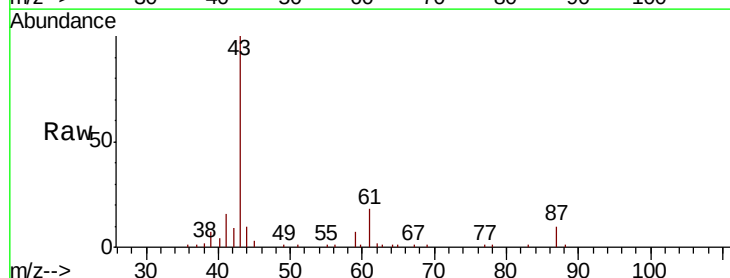
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

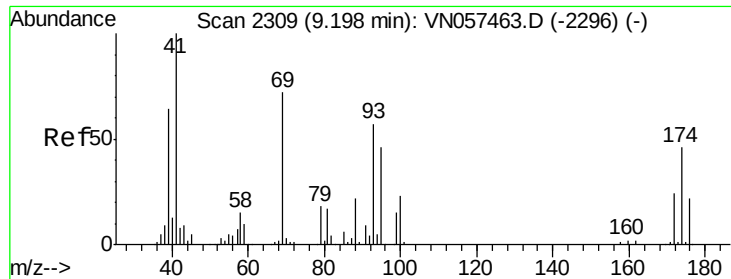
Tgt Ion: 43 Resp: 29877
Ion Ratio Lower Upper
43 100
45 8.5 11.0 16.4#



#44
Isopropyl Acetate
Concen: 7.116 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 43 Resp: 66011
Ion Ratio Lower Upper
43 100
61 19.2 0.1 0.1#

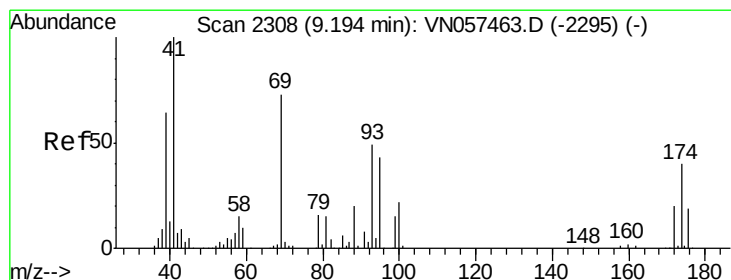
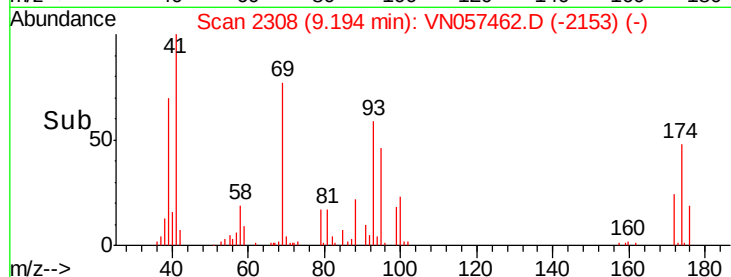
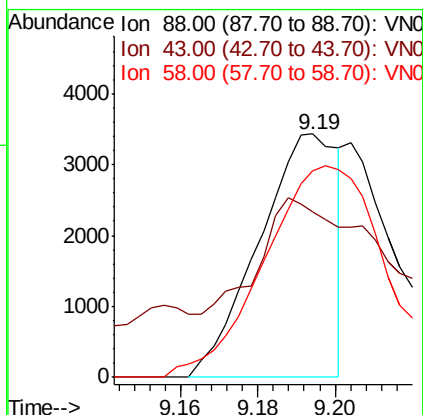
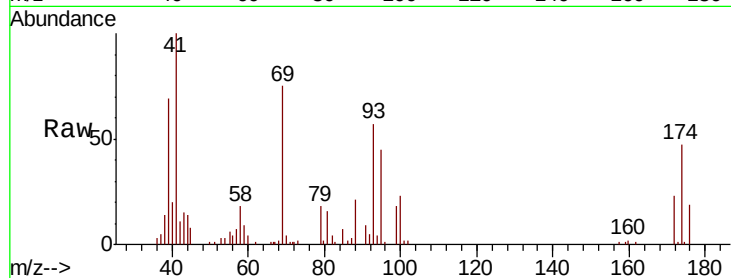




#45
 1,4-Dioxane
 Concen: 61.487 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

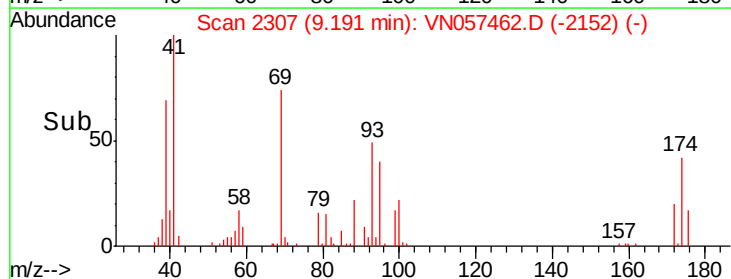
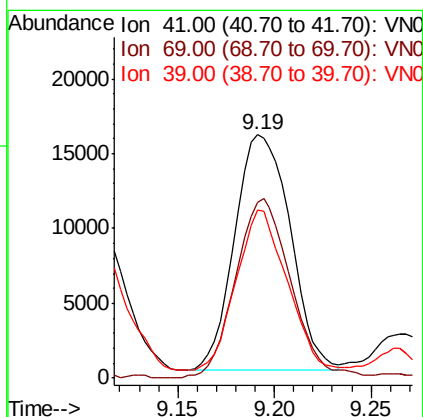
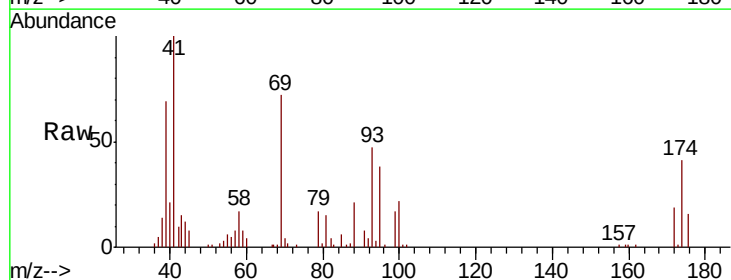
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

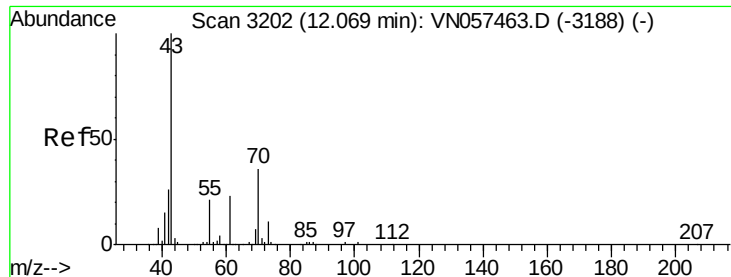
Tgt Ion: 88 Resp: 4880
 Ion Ratio Lower Upper
 88 100
 43 27.0 29.8 44.6#
 58 139.0 62.2 93.2#



#46
 Methyl methacrylate
 Concen: 7.449 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 41 Resp: 31414
 Ion Ratio Lower Upper
 41 100
 69 73.6 36.5 109.5
 39 68.3 32.1 96.3

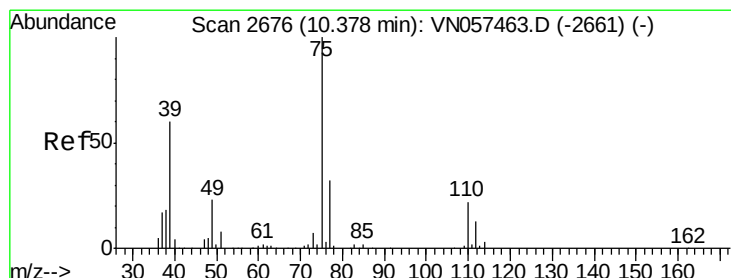
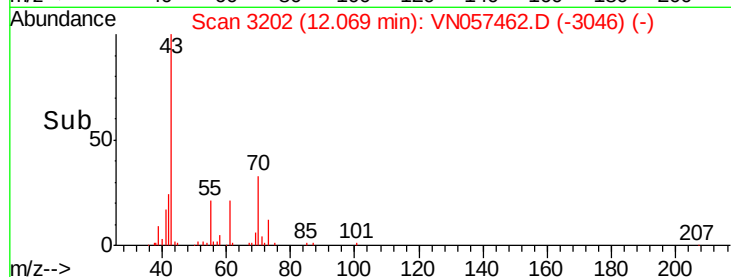
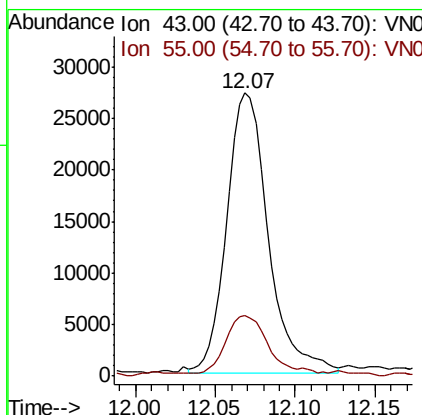
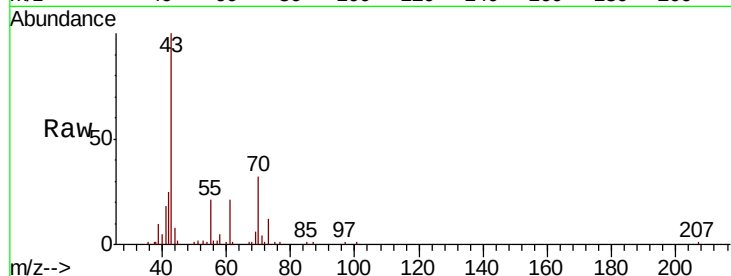




#47
n-amyl Acetate
Concen: 6.877 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

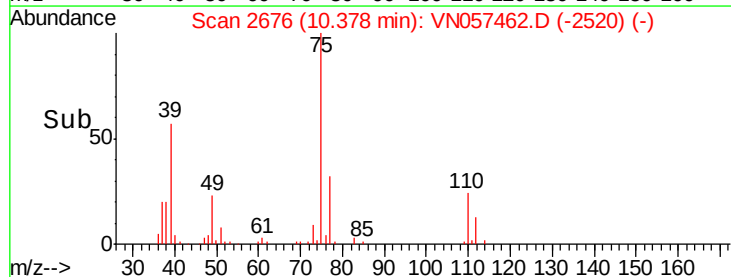
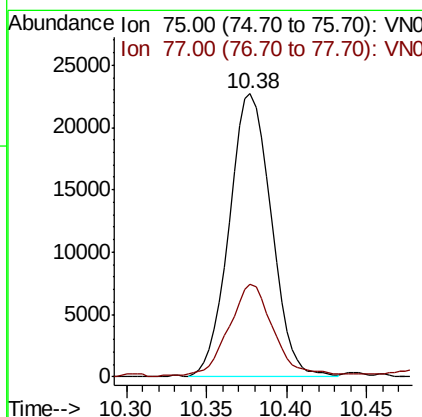
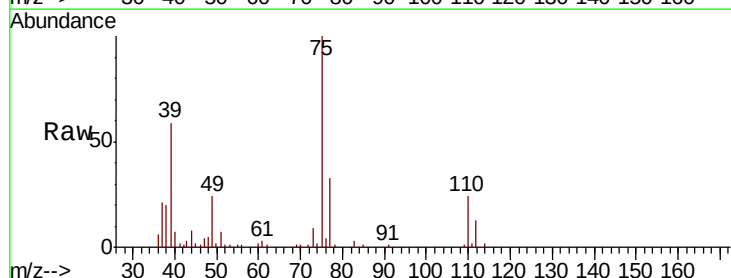
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

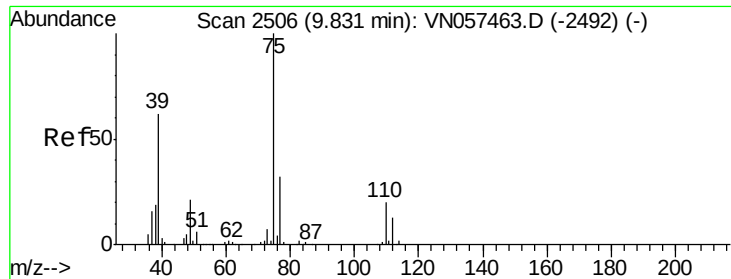
Tgt Ion: 43 Resp: 48020
Ion Ratio Lower Upper
43 100
55 19.6 17.0 25.6



#48
t-1,3-Dichloropropene
Concen: 5.885 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 75 Resp: 40832
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5

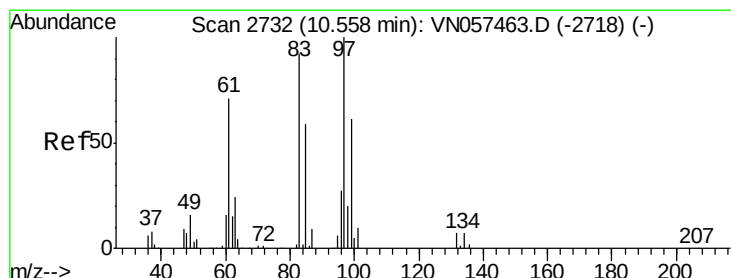
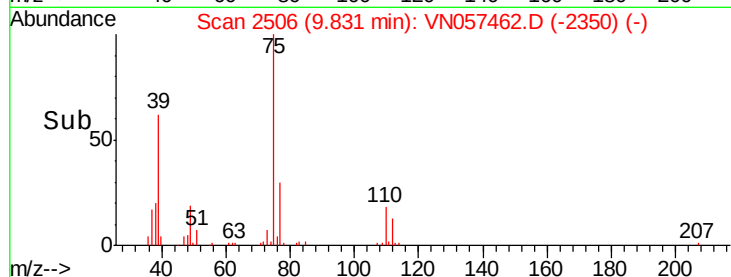
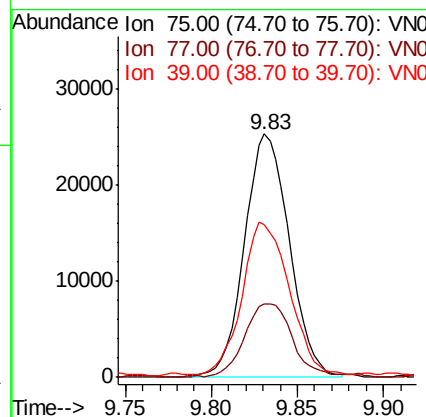
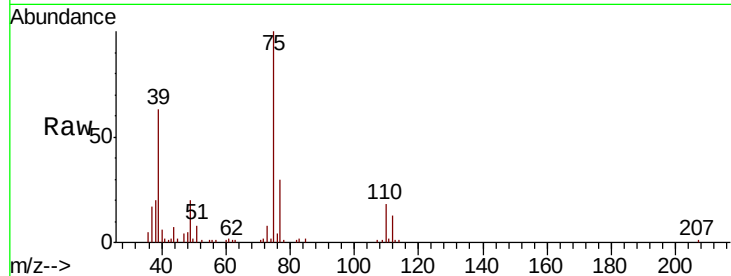




#49
 cis-1,3-Dichloropropene
 Concen: 5.955 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

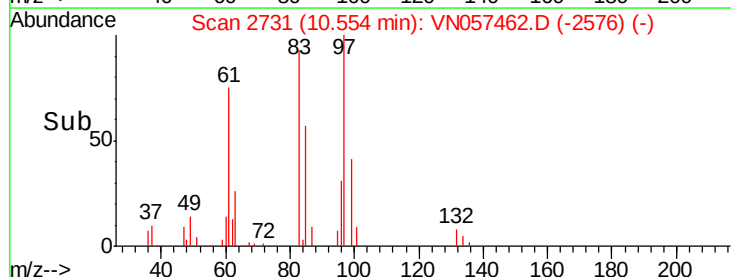
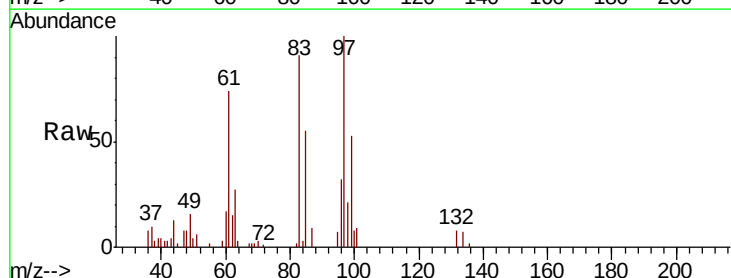
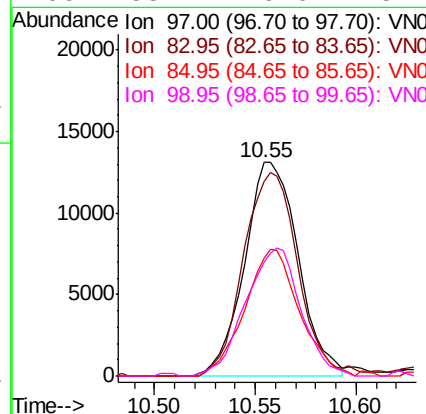
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

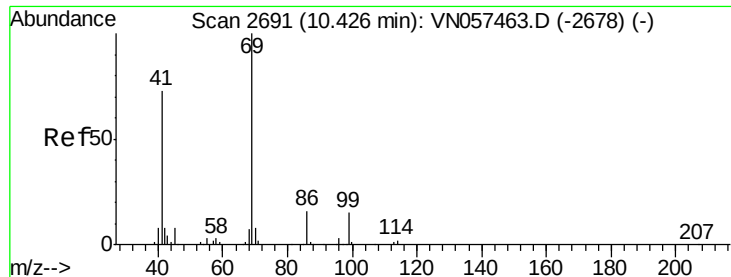
Tgt Ion: 75 Resp: 45992
 Ion Ratio Lower Upper
 75 100
 77 29.1 25.4 38.0
 39 61.3 49.8 74.6



#50
 1,1,2-Trichloroethane
 Concen: 5.394 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 97 Resp: 24440
 Ion Ratio Lower Upper
 97 100
 83 91.3 73.2 109.8
 85 55.4 47.1 70.7
 99 53.1 49.0 73.4





#51

Ethyl methacrylate

Concen: 5.638 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

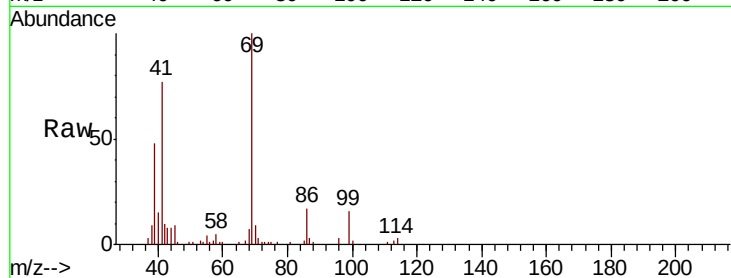
Tgt Ion: 69 Resp: 37993

Ion Ratio Lower Upper

69 100

41 74.9 37.0 111.1

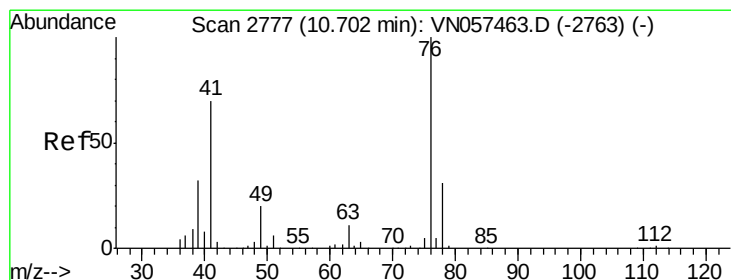
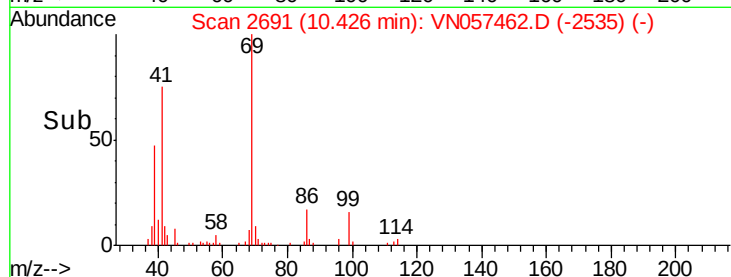
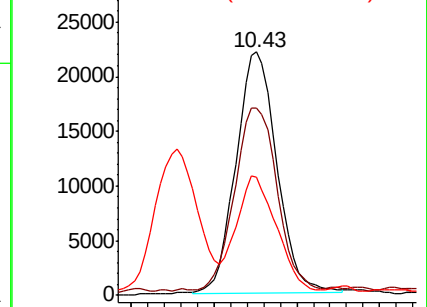
39 45.0 24.4 73.4



Abundance Ion 69.00 (68.70 to 69.70): VN057462.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN057462.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN057462.D (-2678) (-)



#52

1,3-Dichloropropane

Concen: 5.838 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057462.D

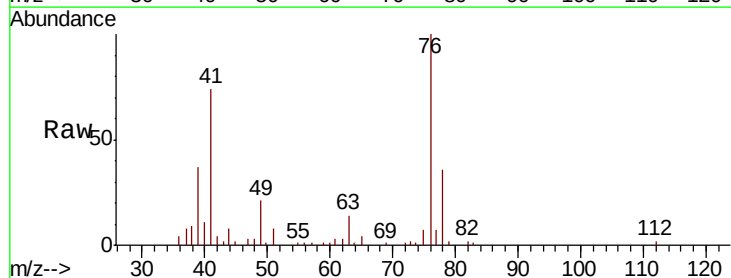
Acq: 23 Aug 2019 9:12

Tgt Ion: 76 Resp: 44216

Ion Ratio Lower Upper

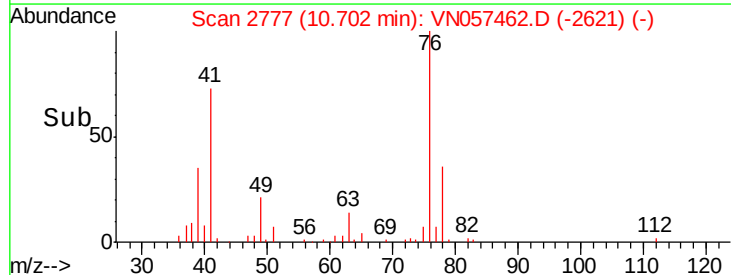
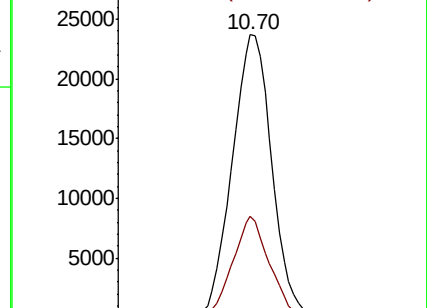
76 100

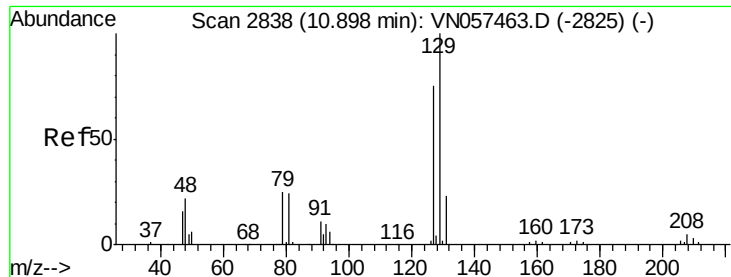
78 32.5 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN057462.D (-2763) (-)

Ion 78.00 (77.70 to 78.70): VN057462.D (-2763) (-)





#53

Dibromochloromethane

Concen: 4.640 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

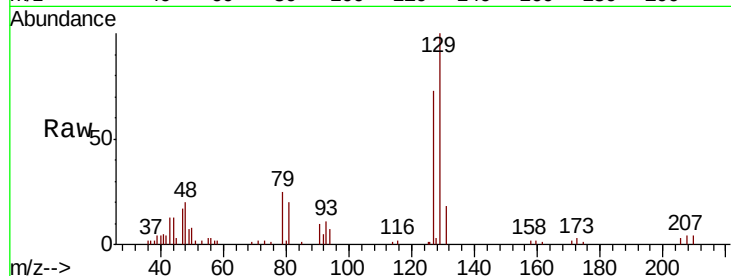
VSTDIC005

Tgt Ion:129 Resp: 23758

Ion Ratio Lower Upper

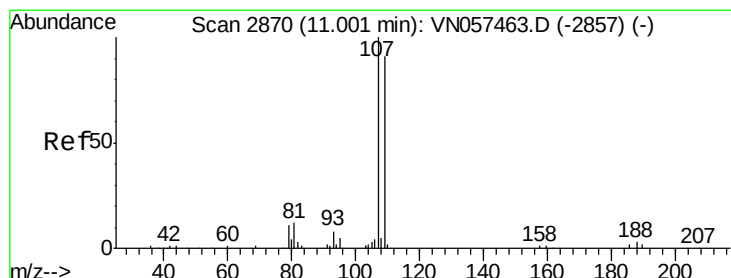
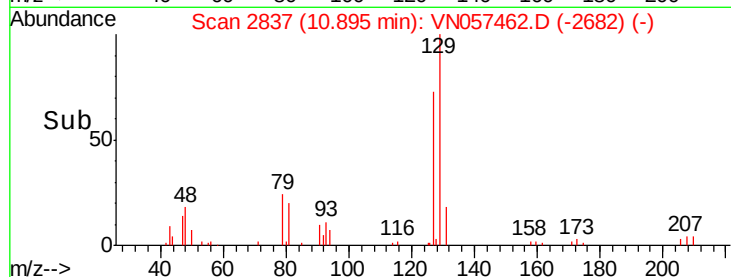
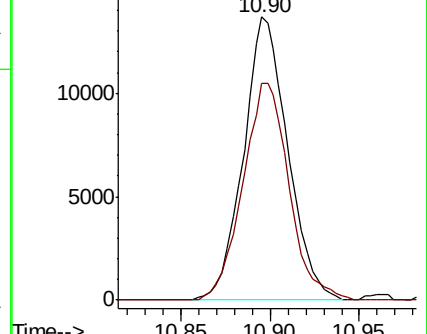
129 100

127 79.9 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: 5.303 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057462.D

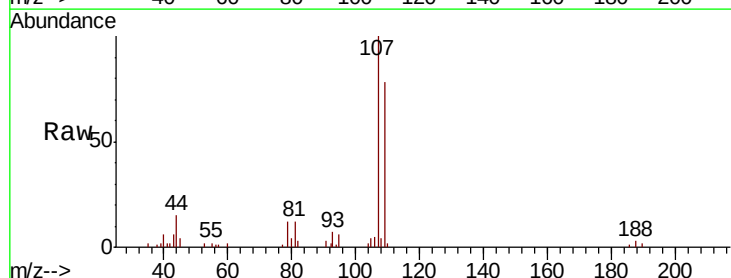
Acq: 23 Aug 2019 9:12

Tgt Ion:107 Resp: 24968

Ion Ratio Lower Upper

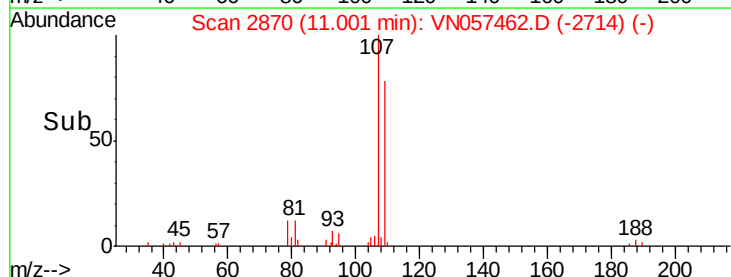
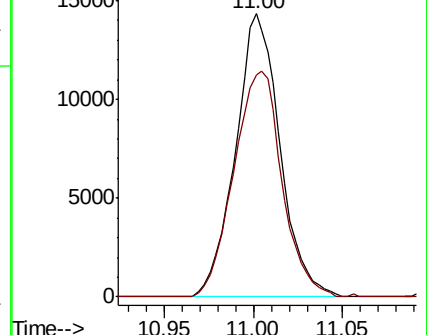
107 100

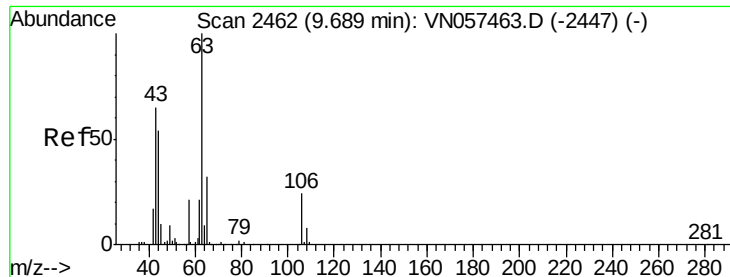
109 86.1 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

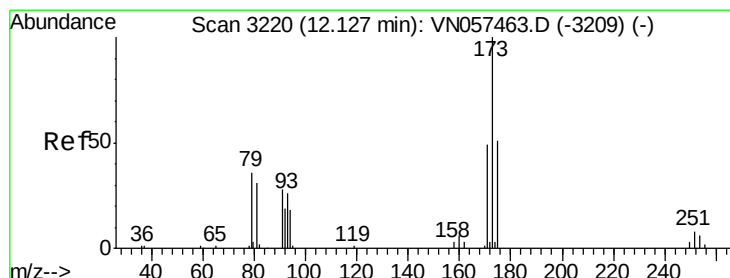
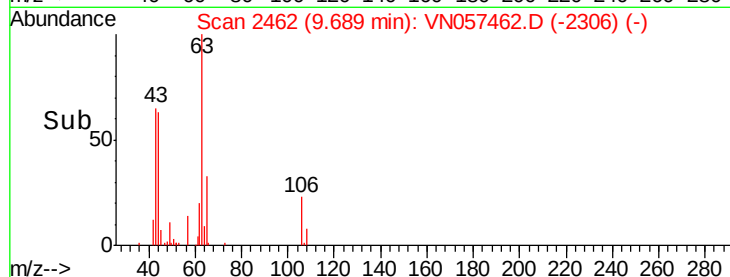
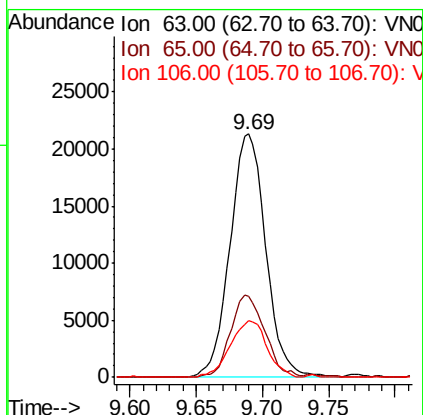
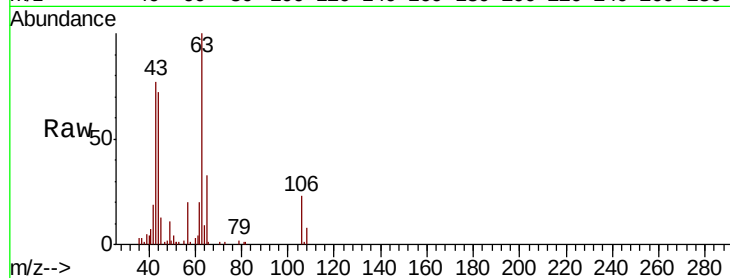




#55
 2-Chloroethyl vinyl ether
 Concen: 25.426 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

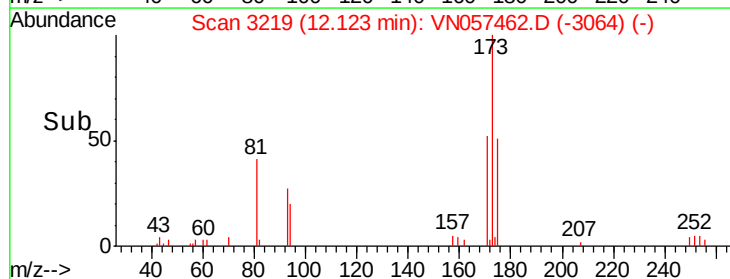
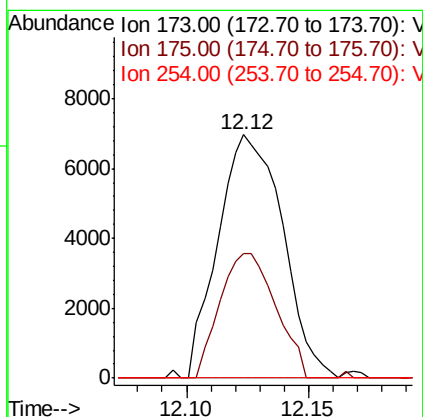
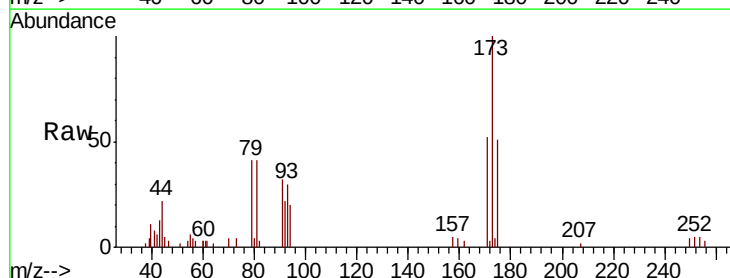
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

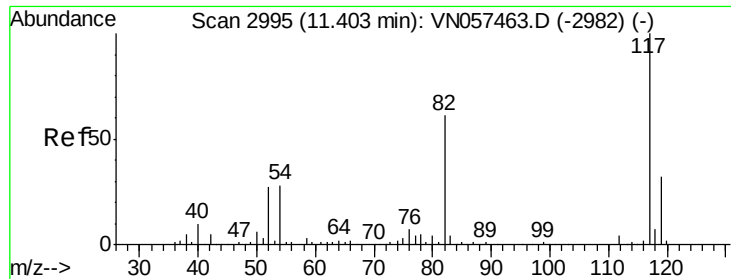
Tgt Ion: 63 Resp: 40037
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7
 106 23.8 18.7 28.1



#56
 Bromoform
 Concen: 3.437 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 173 Resp: 12807
 Ion Ratio Lower Upper
 173 100
 175 44.3 40.1 60.1
 254 0.0 0.0 0.0

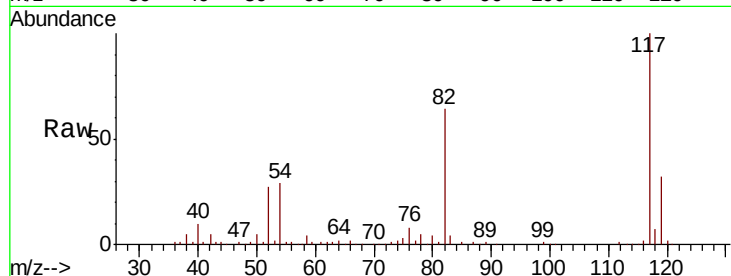




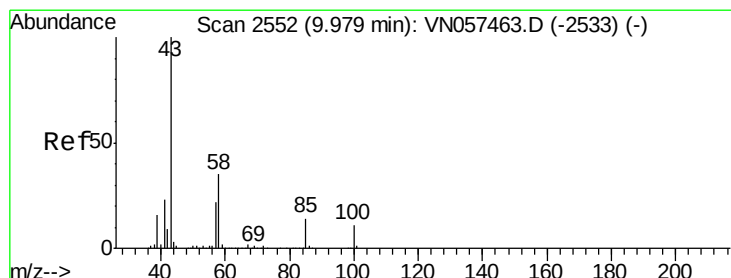
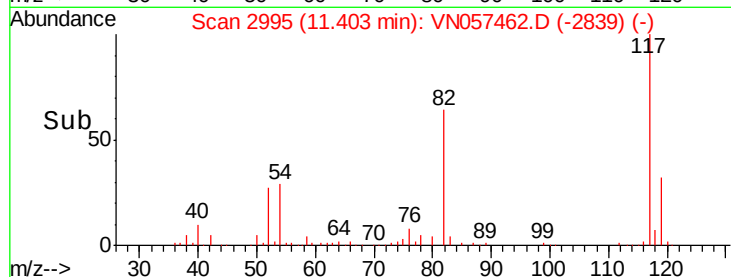
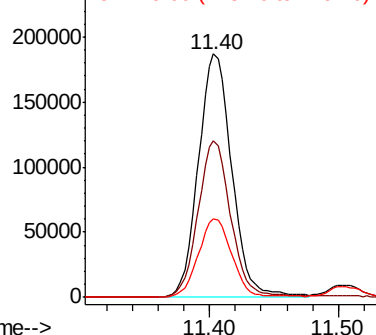
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 117 Resp: 337478
Ion Ratio Lower Upper
117 100
82 62.6 50.4 75.6
119 32.3 25.4 38.2

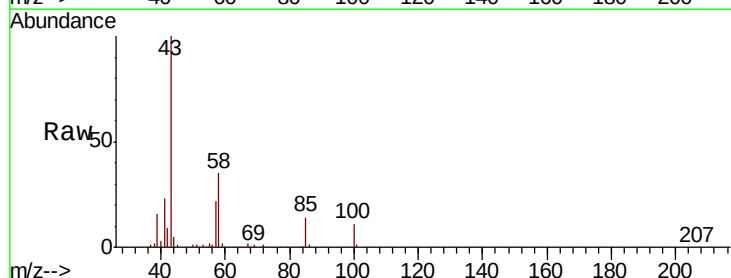


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

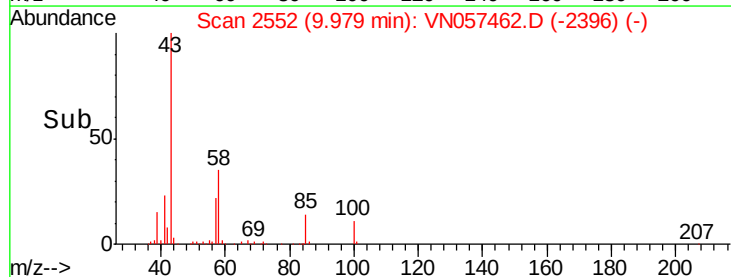
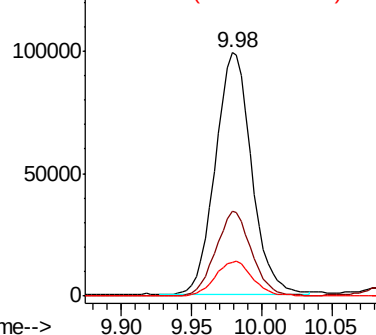


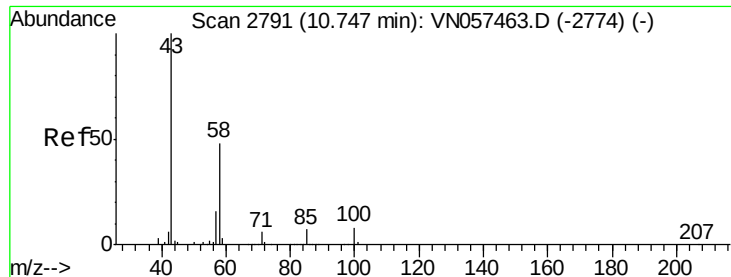
#58
4-Methyl-2-Pentanone
Concen: 36.825 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 43 Resp: 178759
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0
85 14.8 11.3 16.9



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

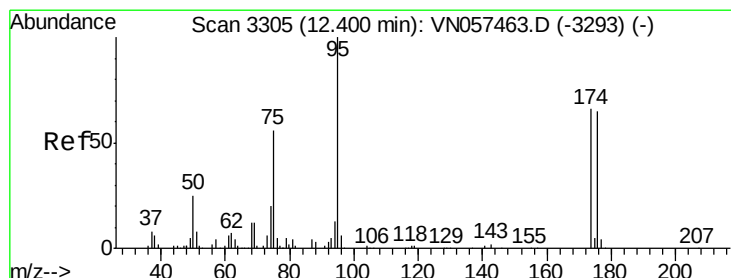
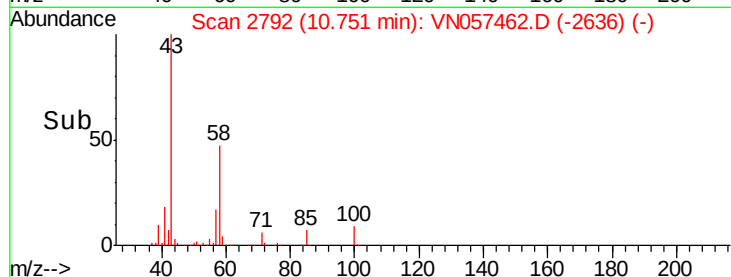
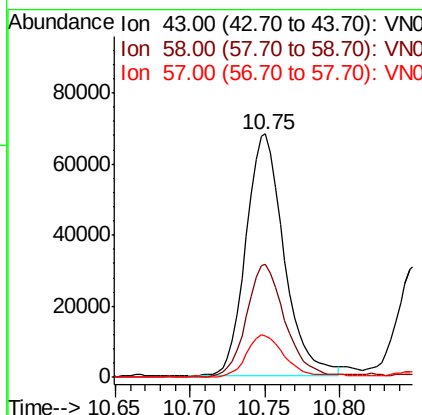
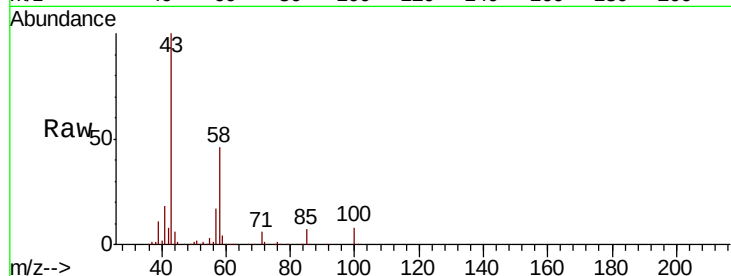




#59
2-Hexanone
Concen: 34.773 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

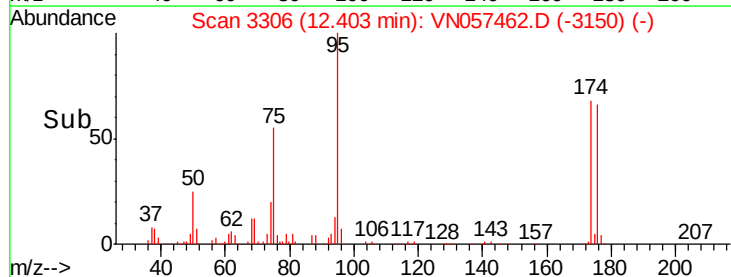
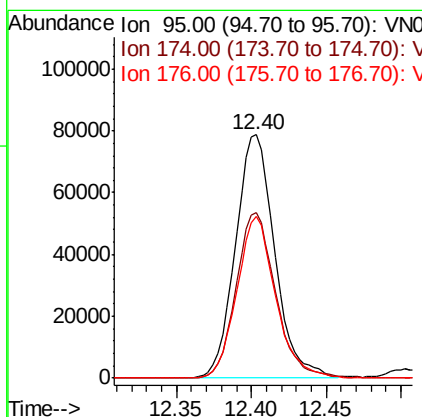
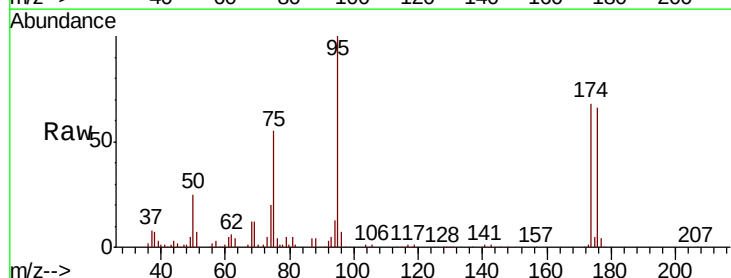
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

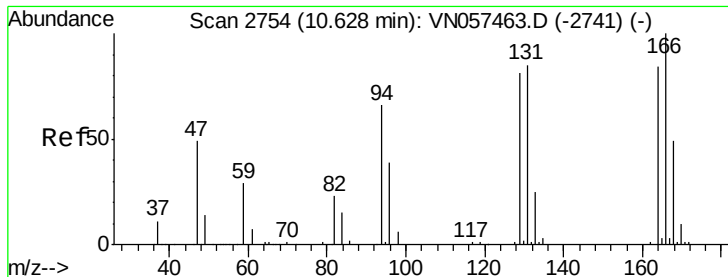
Tgt Ion: 43 Resp: 120121
Ion Ratio Lower Upper
43 100
58 47.5 38.9 58.3
57 16.7 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 28.484 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 95 Resp: 143903
Ion Ratio Lower Upper
95 100
174 68.3 54.9 82.3
176 65.4 54.2 81.4





#61

Tetrachloroethene

Concen: 4.847 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 22662

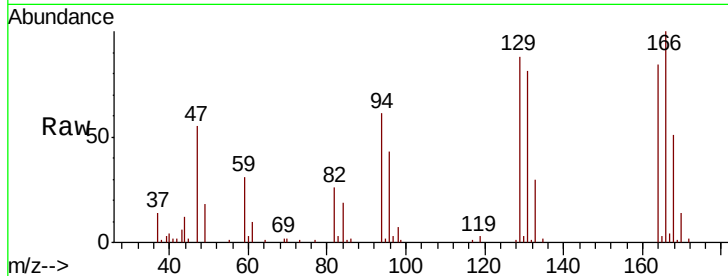
Ion Ratio Lower Upper

164 100

166 118.3 95.8 143.6

129 105.2 77.2 115.8

131 96.7 81.1 121.7

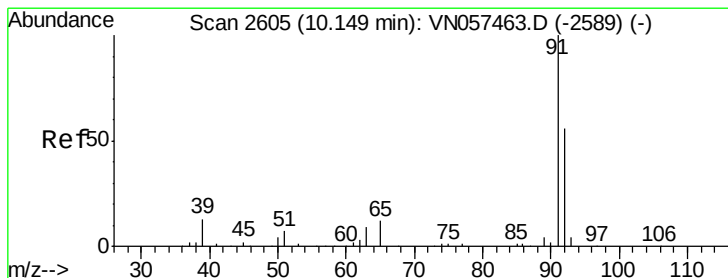
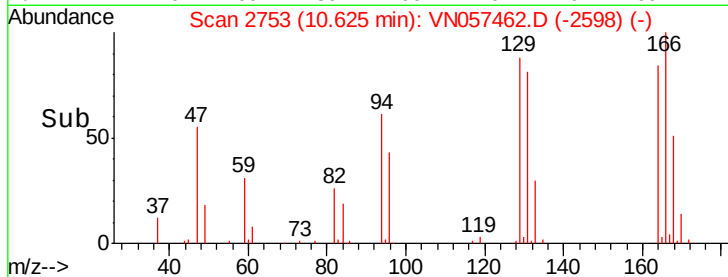
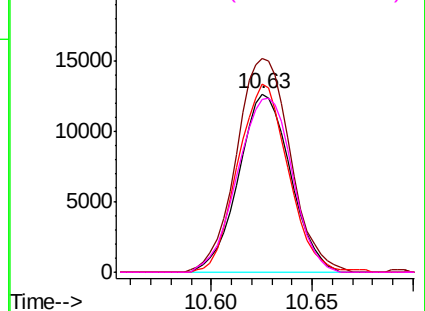


Abundance Ion 163.85 (163.55 to 164.55): V

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: 6.149 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057462.D

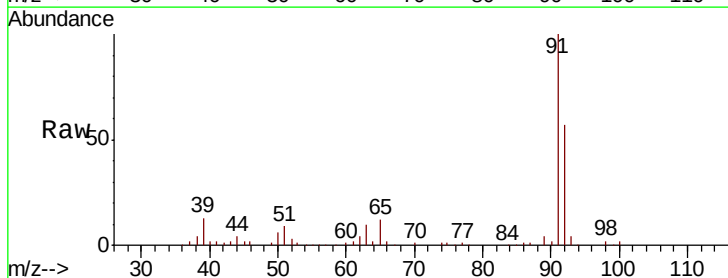
Acq: 23 Aug 2019 9:12

Tgt Ion: 91 Resp: 116225

Ion Ratio Lower Upper

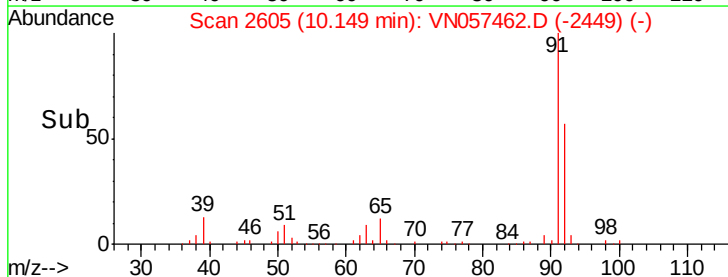
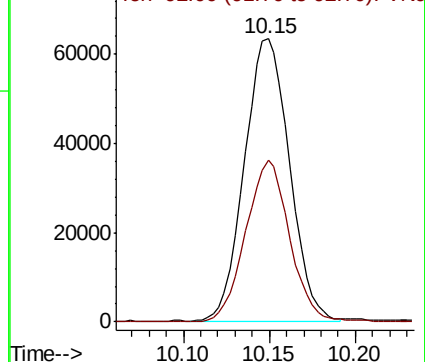
91 100

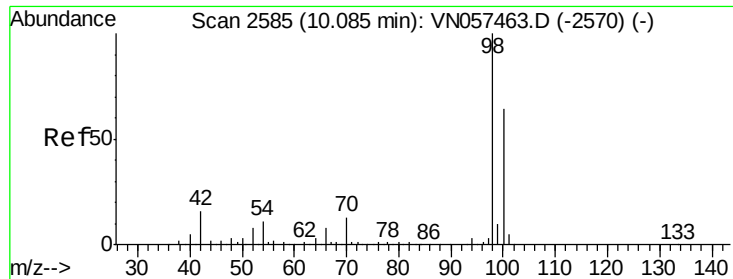
92 55.2 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 34.466 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

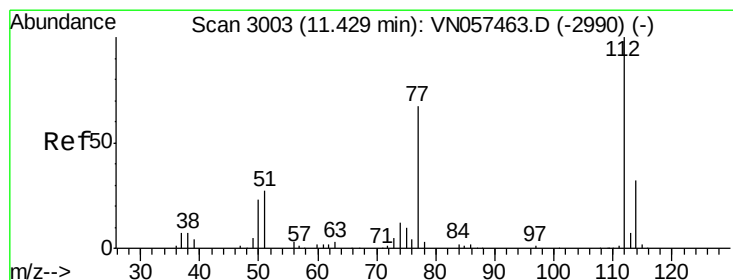
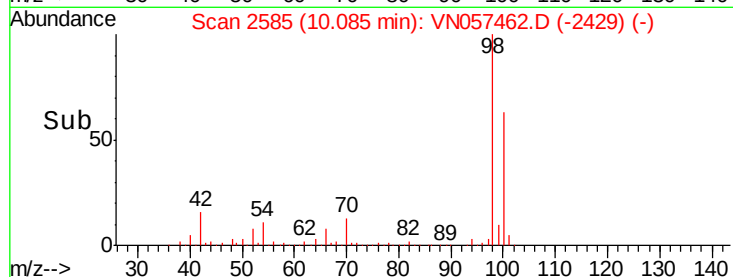
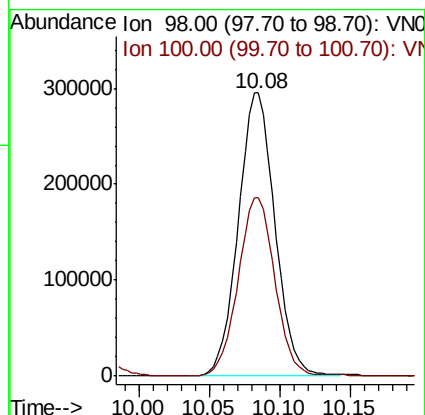
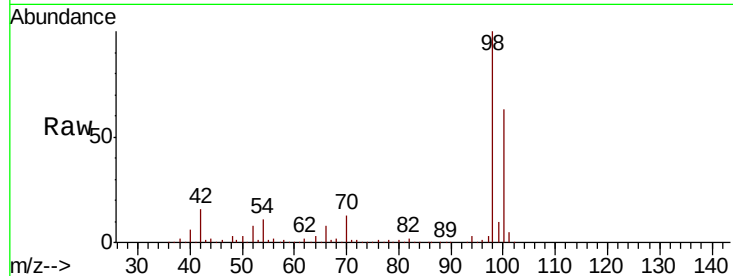
VSTDIC005

Tgt Ion: 98 Resp: 538025

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6



#64

Chlorobenzene

Concen: 5.126 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057462.D

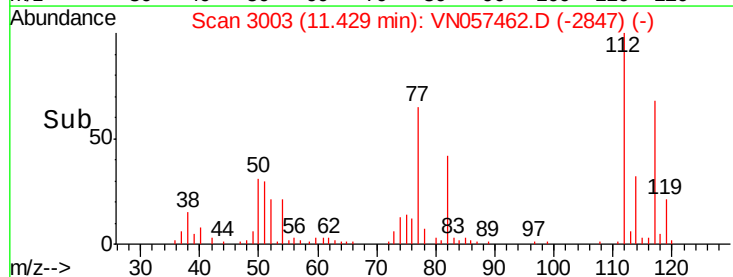
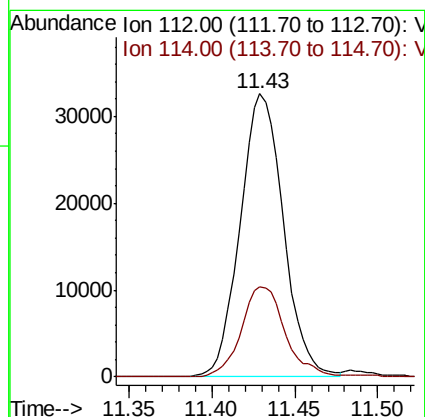
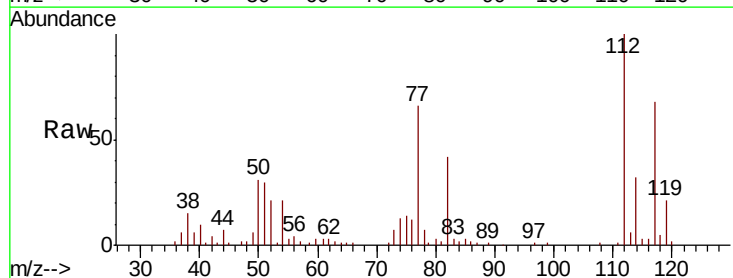
Acq: 23 Aug 2019 9:12

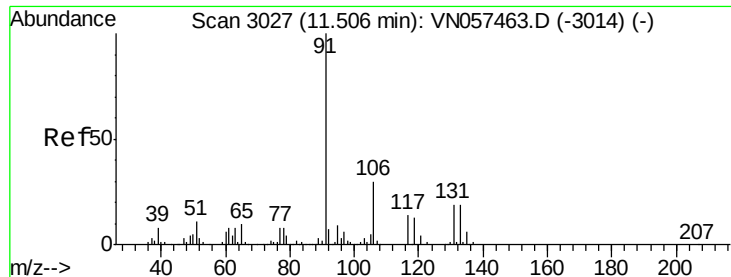
Tgt Ion: 112 Resp: 59130

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 5.264 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

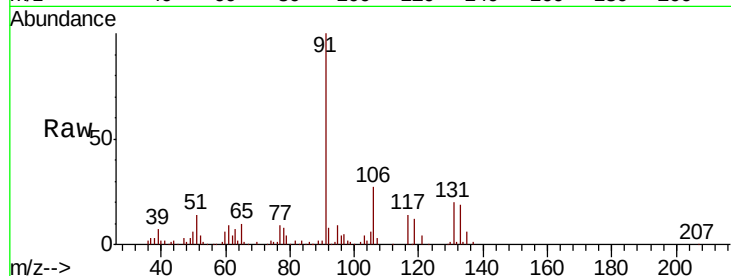
Tgt Ion:131 Resp: 23389

Ion Ratio Lower Upper

131 100

133 92.3 0.0 193.6

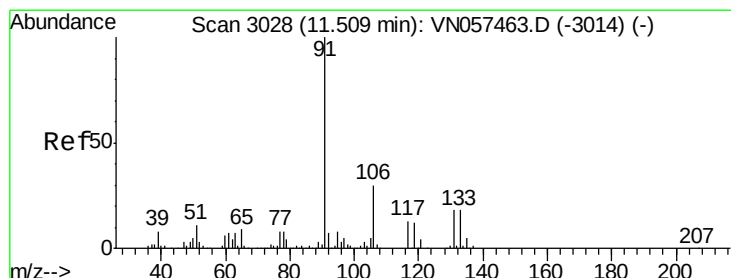
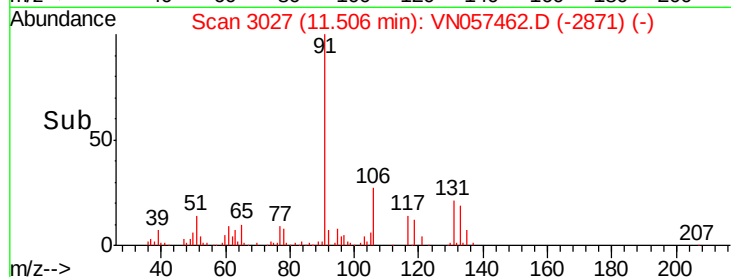
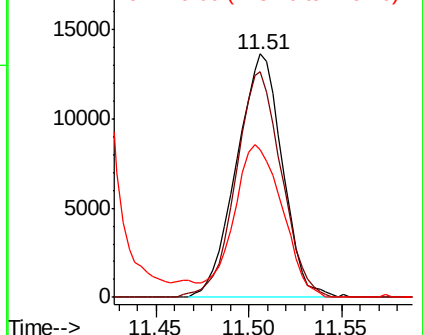
119 66.4 0.0 137.4



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: 5.714 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057462.D

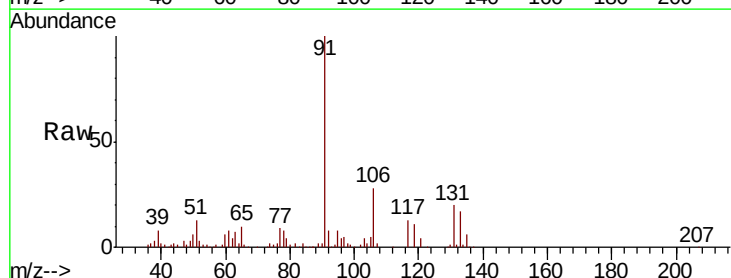
Acq: 23 Aug 2019 9:12

Tgt Ion: 91 Resp: 117424

Ion Ratio Lower Upper

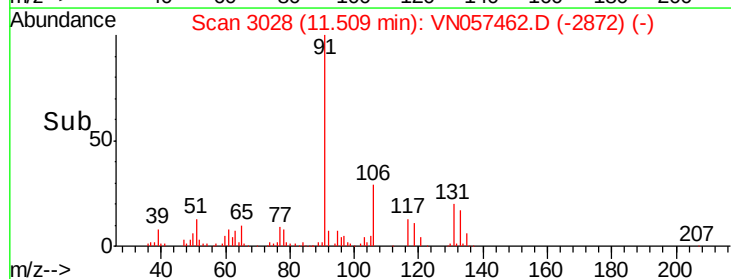
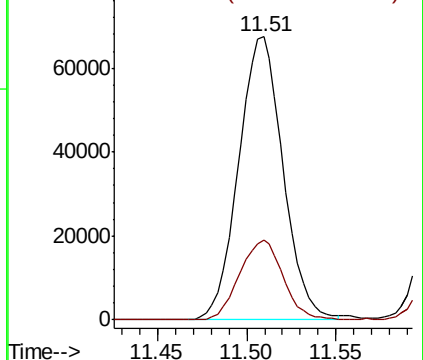
91 100

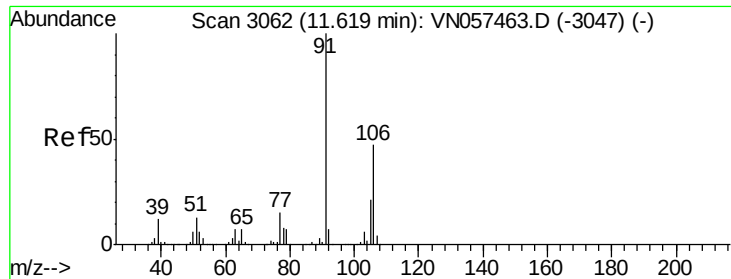
106 28.4 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.095 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

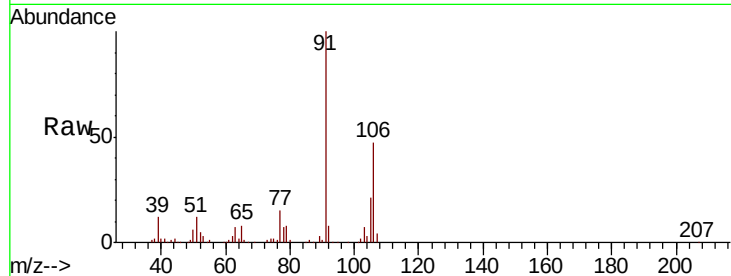
VSTDIC005

Tgt Ion:106 Resp: 76293

Ion Ratio Lower Upper

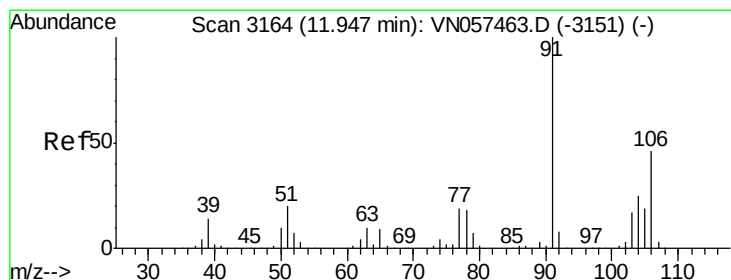
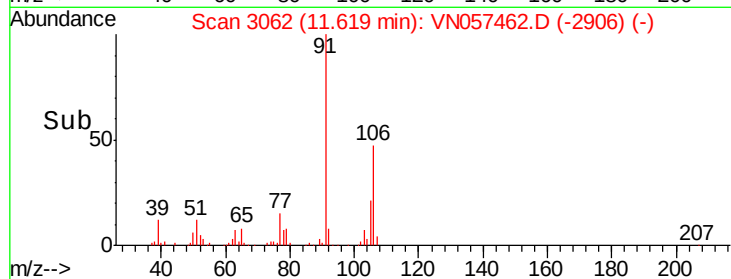
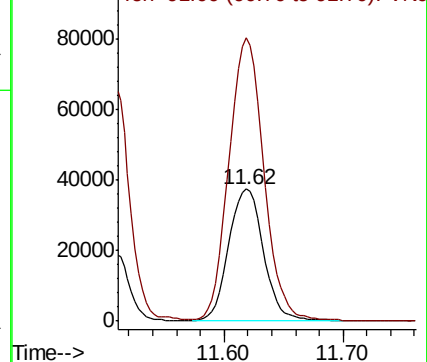
106 100

91 210.2 172.9 259.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 5.220 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057462.D

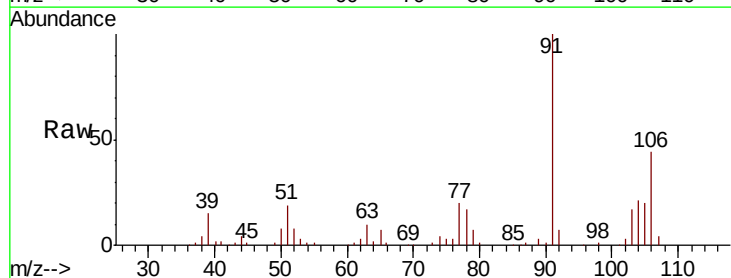
Acq: 23 Aug 2019 9:12

Tgt Ion:106 Resp: 38810

Ion Ratio Lower Upper

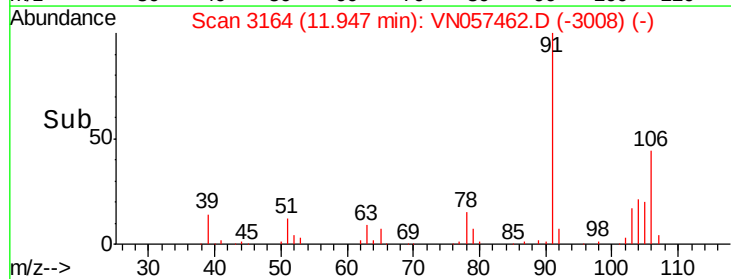
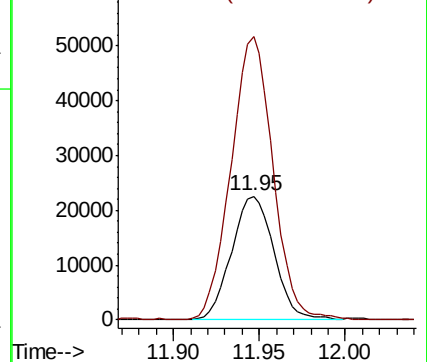
106 100

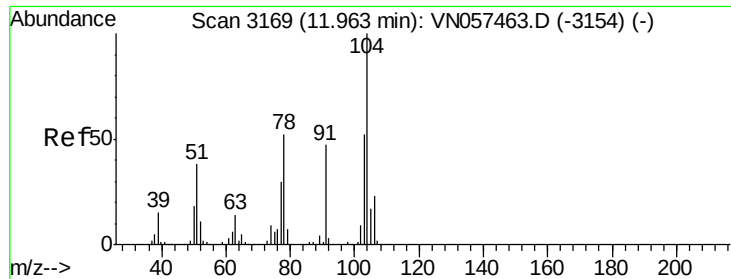
91 226.9 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Styrene

Concen: 4.627 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

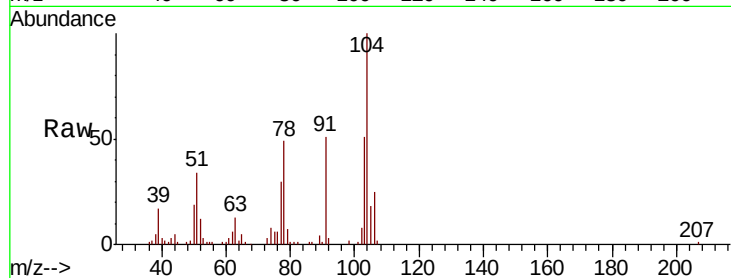
Tgt Ion:104 Resp: 54861

Ion Ratio Lower Upper

104 100

78 58.8 46.5 69.7

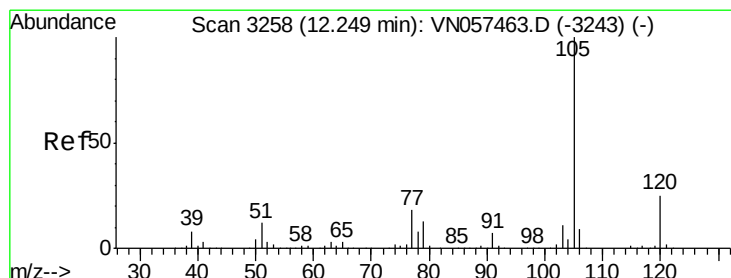
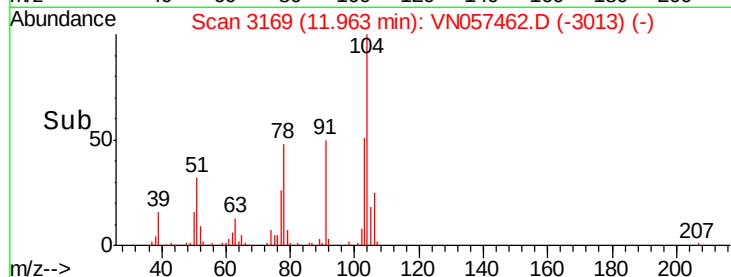
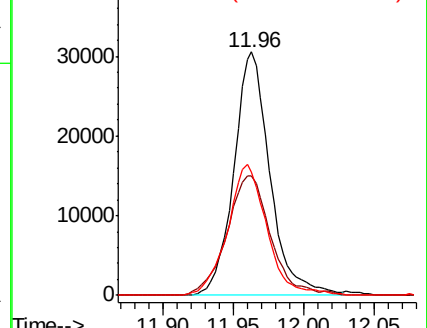
103 58.3 45.9 68.9



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: 5.025 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057462.D

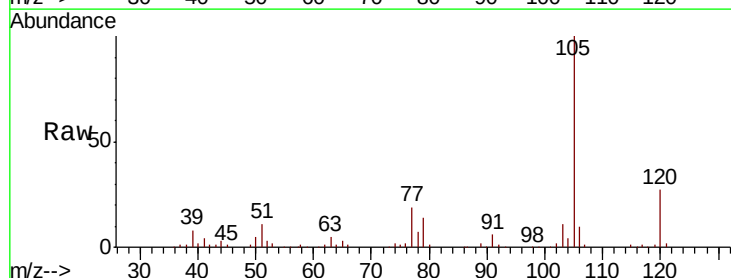
Acq: 23 Aug 2019 9:12

Tgt Ion:105 Resp: 99707

Ion Ratio Lower Upper

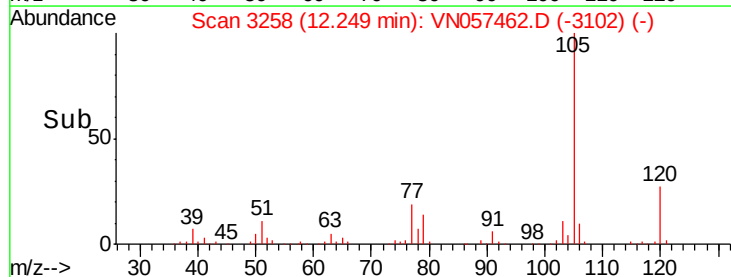
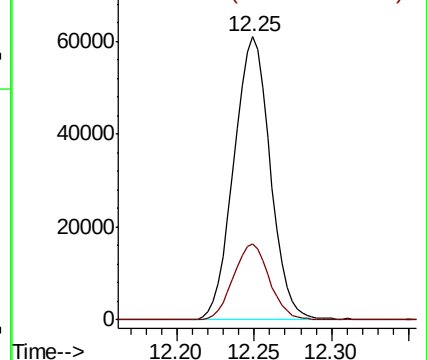
105 100

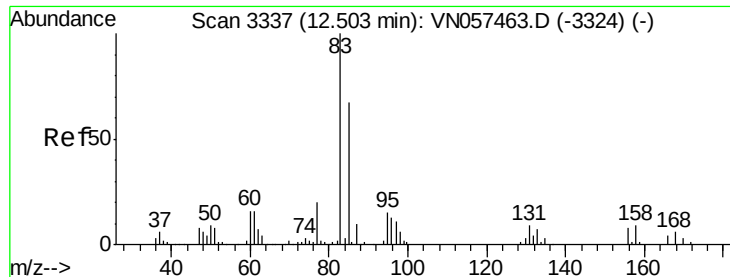
120 26.5 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

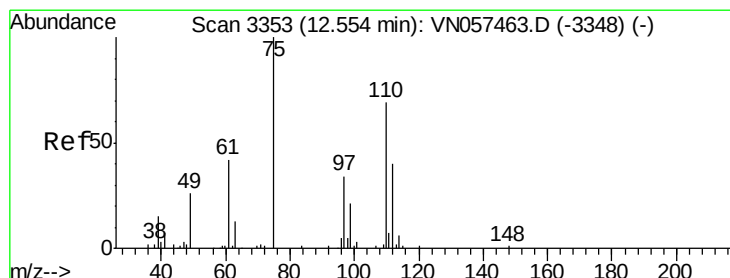
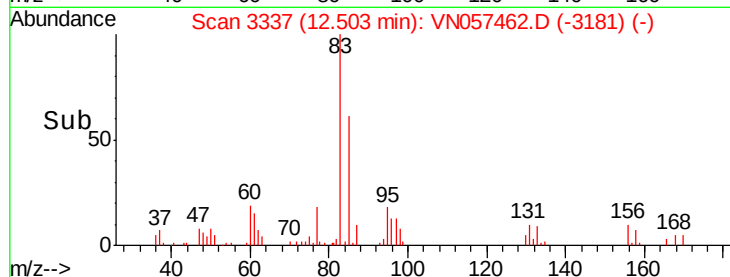
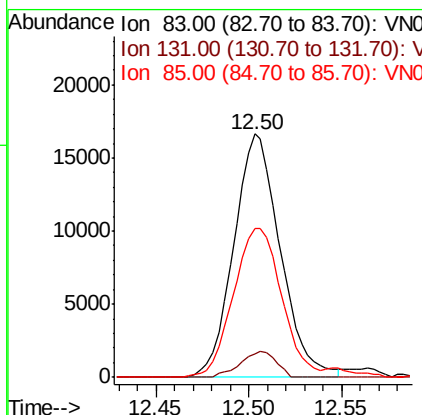
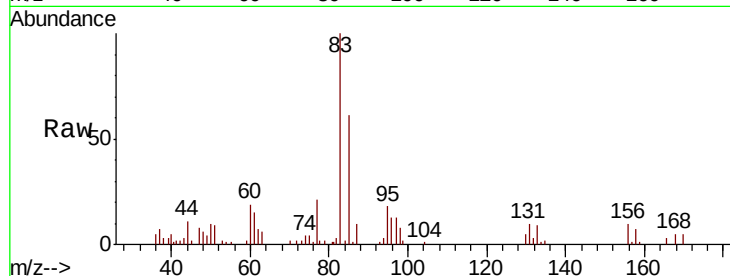




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.261 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

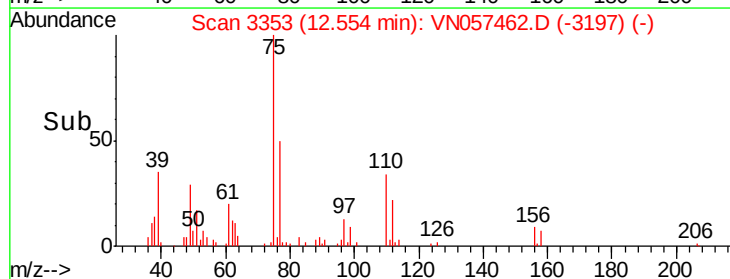
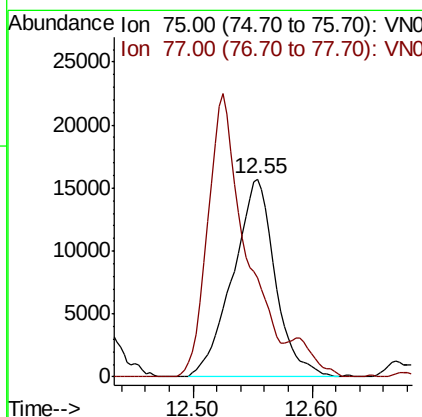
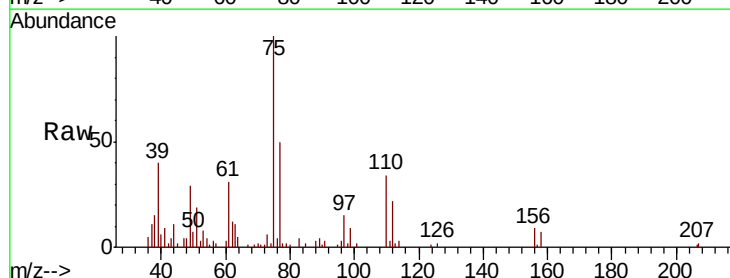
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

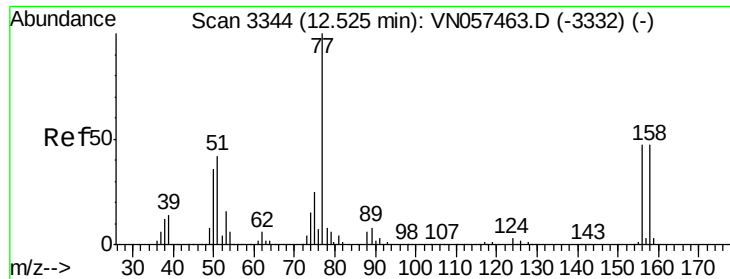
Tgt Ion: 83 Resp: 28915
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.7 14.1
 85 63.6 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 8.195 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 75 Resp: 38610
 Ion Ratio Lower Upper
 75 100
 77 126.7 0.0 380.2





#73

Bromobenzene

Concen: 3.861 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

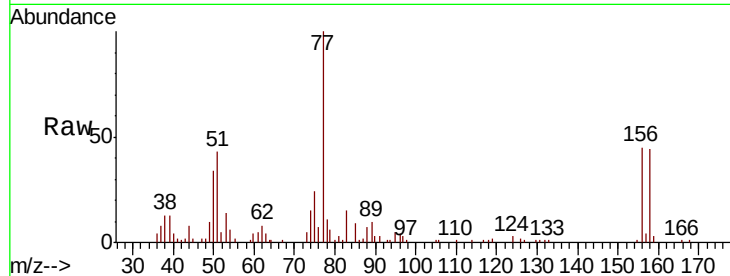
Tgt Ion:156 Resp: 19426

Ion Ratio Lower Upper

156 100

77 251.8 0.0 506.8

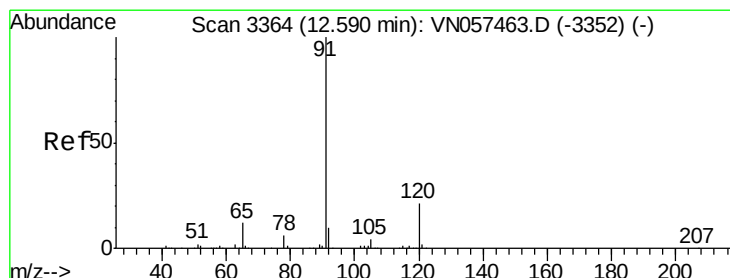
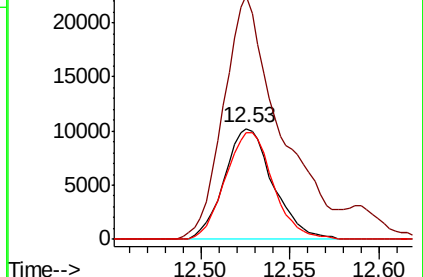
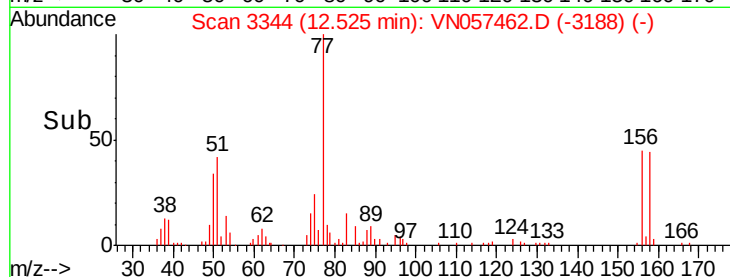
158 94.5 0.0 196.6



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: 5.064 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057462.D

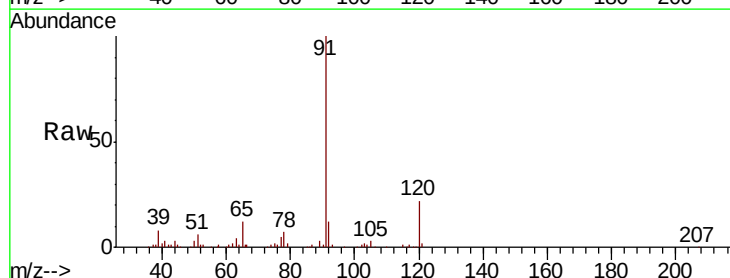
Acq: 23 Aug 2019 9:12

Tgt Ion: 91 Resp: 106539

Ion Ratio Lower Upper

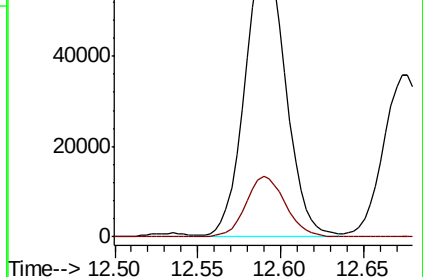
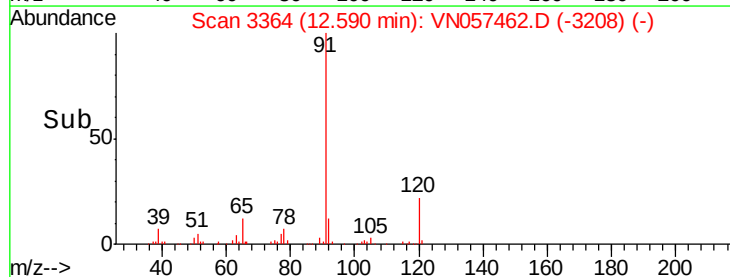
91 100

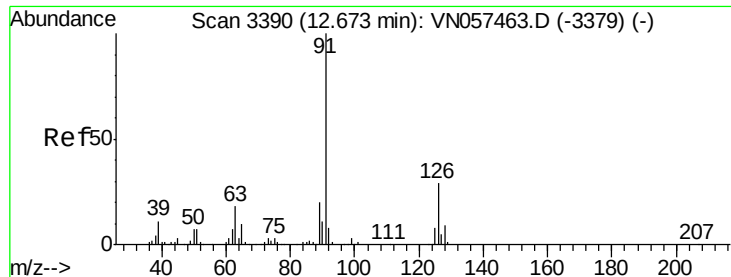
120 20.8 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.967 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampled :

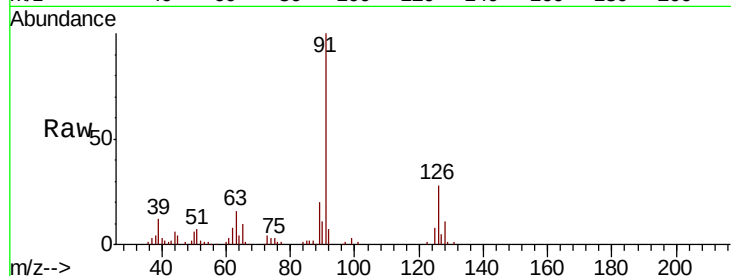
VSTDIC005

Tgt Ion: 91 Resp: 64081

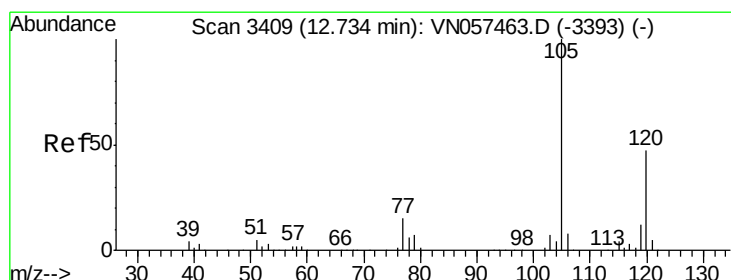
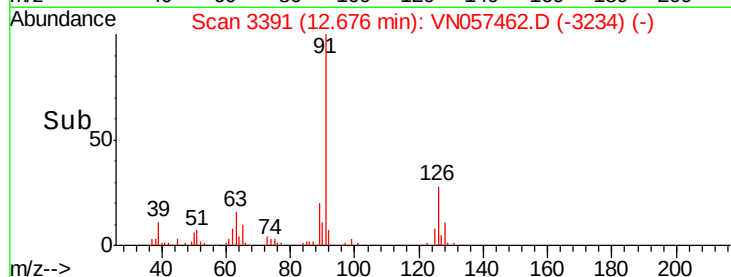
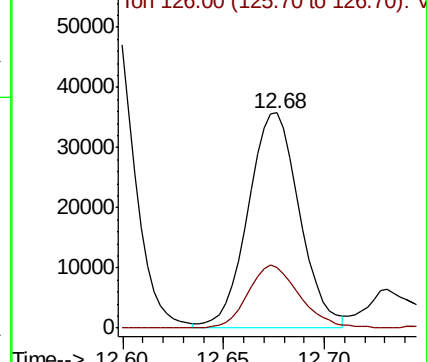
Ion Ratio Lower Upper

91 100

126 29.1 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057462.D (-3390) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.861 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057462.D

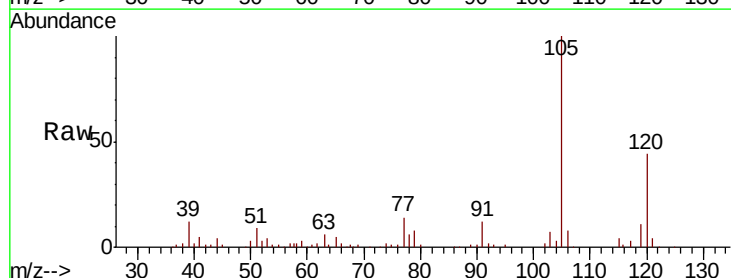
Acq: 23 Aug 2019 9:12

Tgt Ion: 105 Resp: 79994

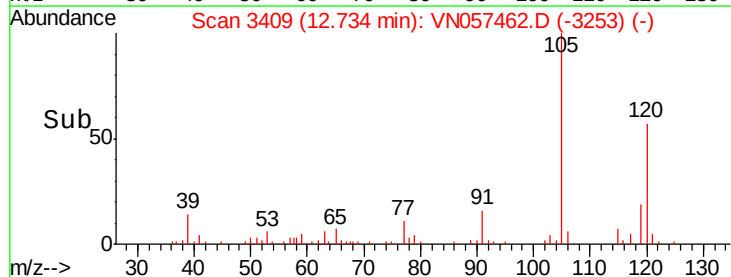
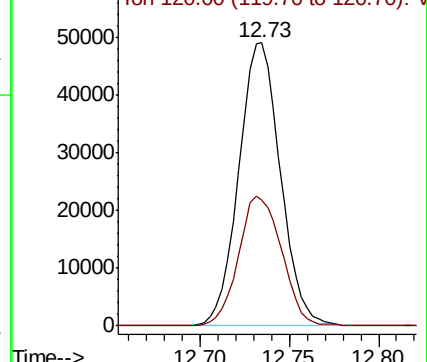
Ion Ratio Lower Upper

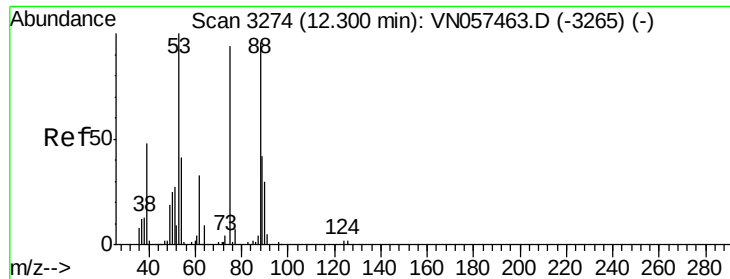
105 100

120 47.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057462.D (-3409) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.223 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

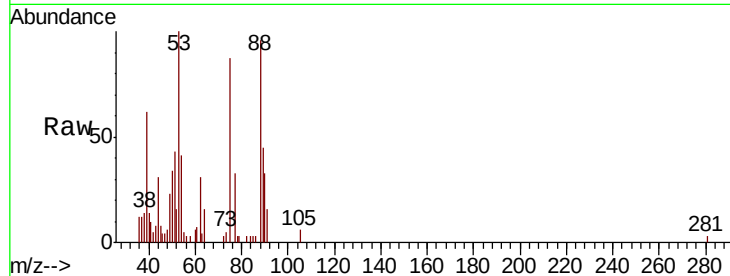
Tgt Ion: 75 Resp: 7597

Ion Ratio Lower Upper

75 100

53 114.4 55.6 166.9

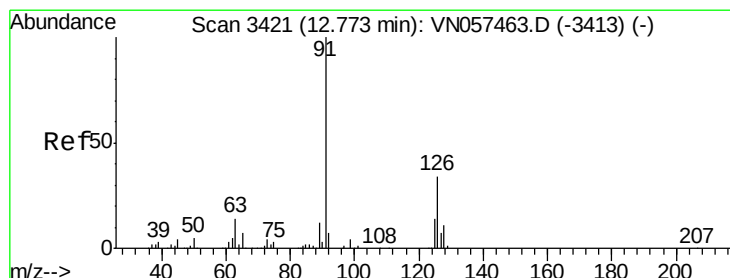
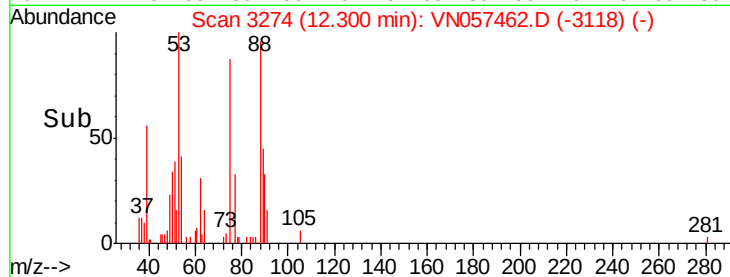
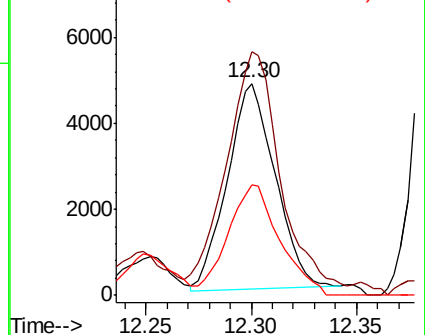
89 54.7 23.8 71.4



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: 4.488 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057462.D

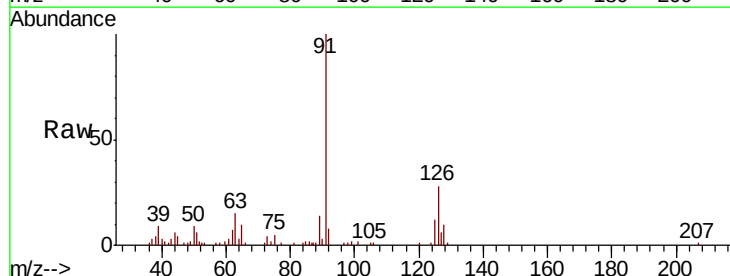
Acq: 23 Aug 2019 9:12

Tgt Ion: 91 Resp: 54319

Ion Ratio Lower Upper

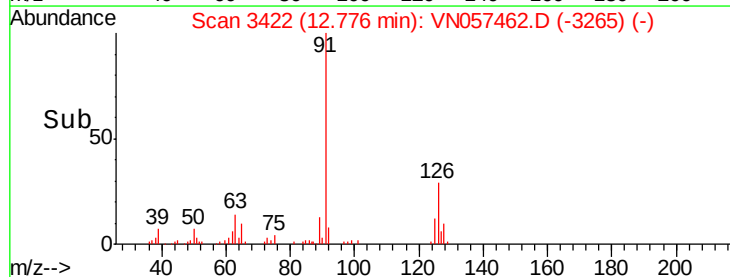
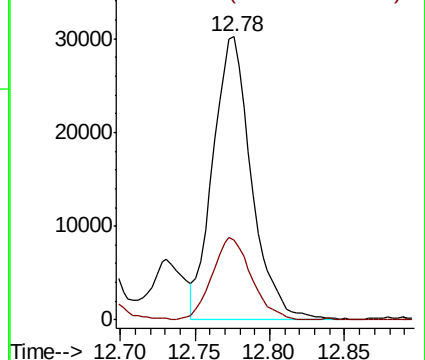
91 100

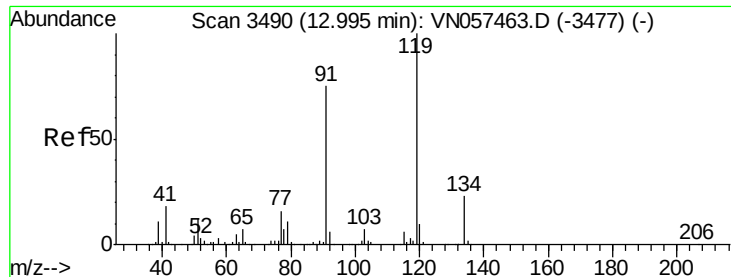
126 29.5 0.0 61.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

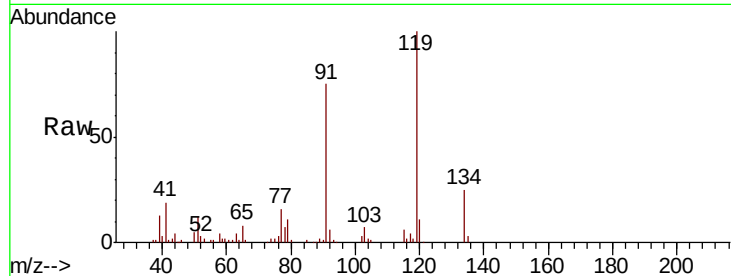




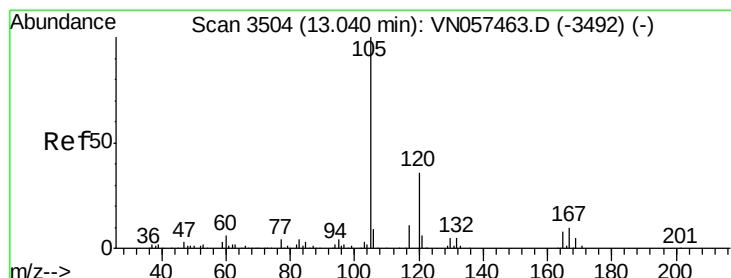
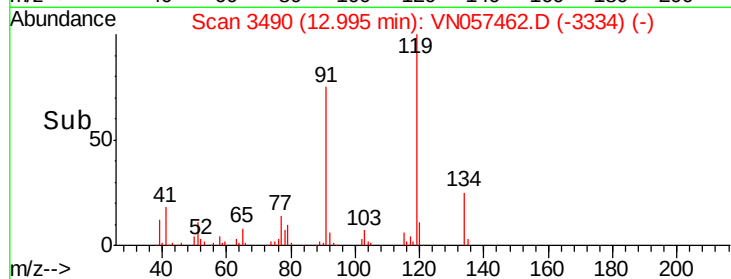
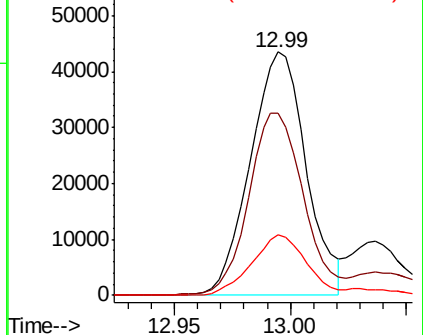
#79
tert-butylbenzene
Concen: 5.012 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 72931
Ion Ratio Lower Upper
119 100
91 73.8 0.0 146.6
134 24.1 0.0 46.2

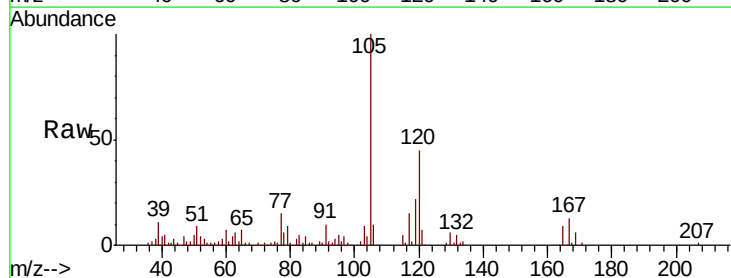


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

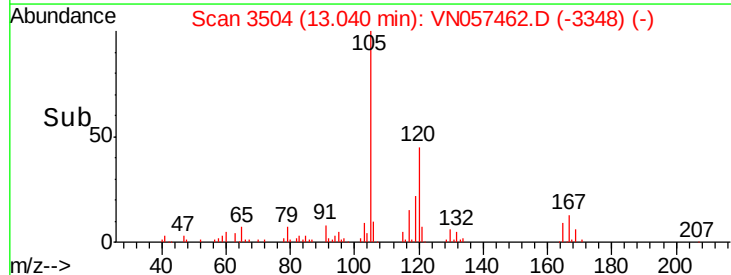
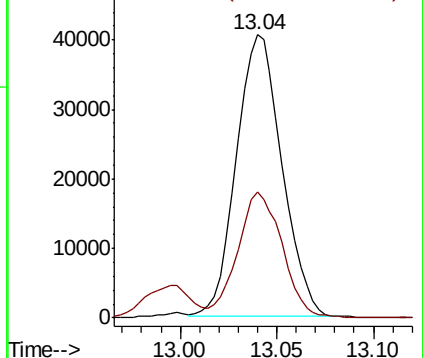


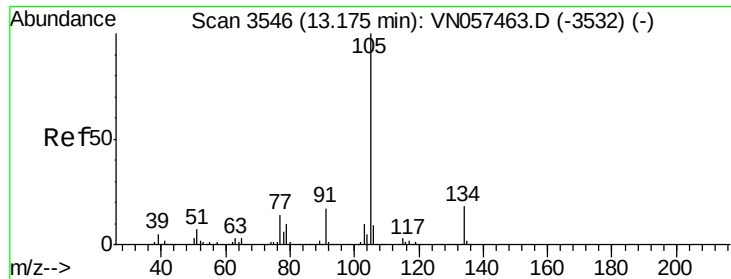
#80
1,2,4-Trimethylbenzene
Concen: 4.269 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion:105 Resp: 66289
Ion Ratio Lower Upper
105 100
120 43.6 0.0 85.4



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

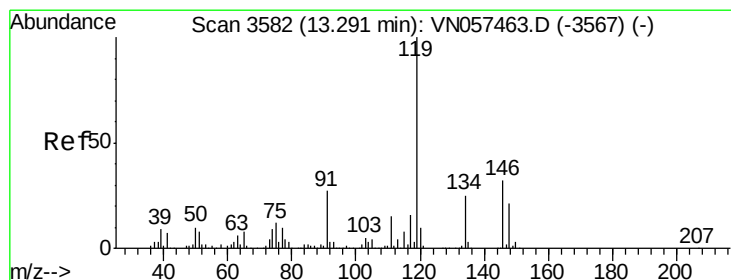
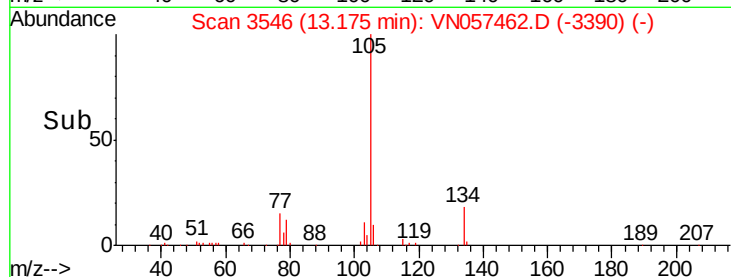
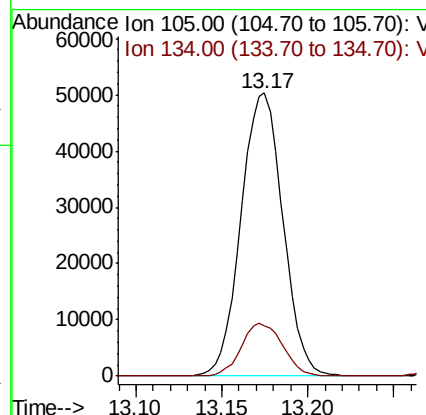
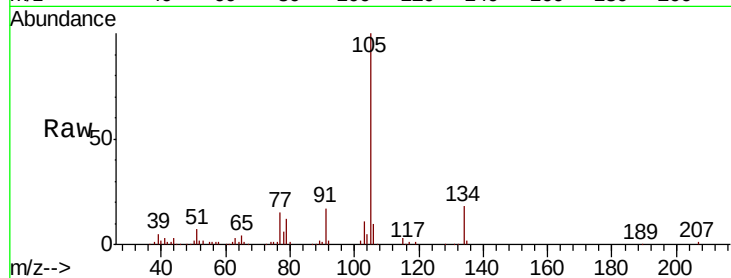




#81
 sec-Butylbenzene
 Concen: 4.675 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

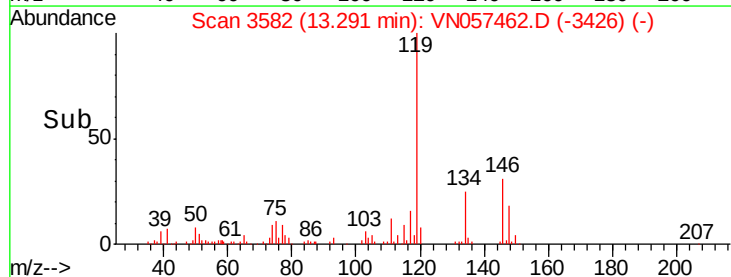
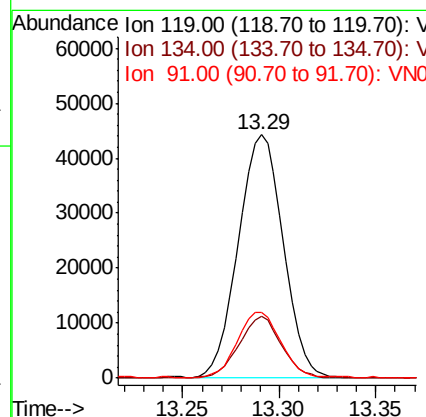
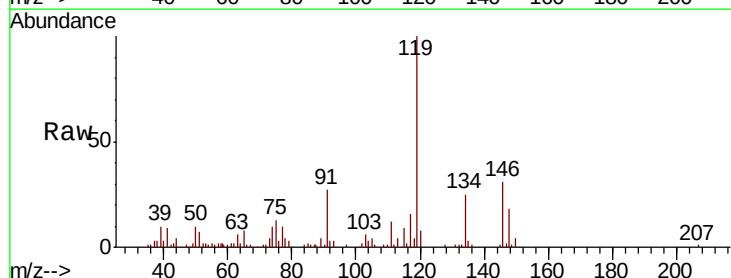
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

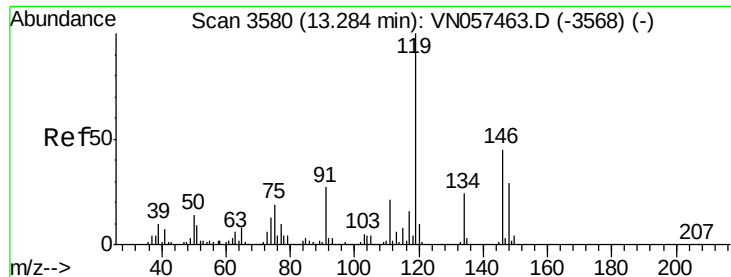
Tgt Ion:105 Resp: 85326
 Ion Ratio Lower Upper
 105 100
 134 18.3 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 4.435 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion:119 Resp: 71542
 Ion Ratio Lower Upper
 119 100
 134 23.9 0.0 49.6
 91 26.3 0.0 55.2





#83

1,3-Dichlorobenzene

Concen: 3.301 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

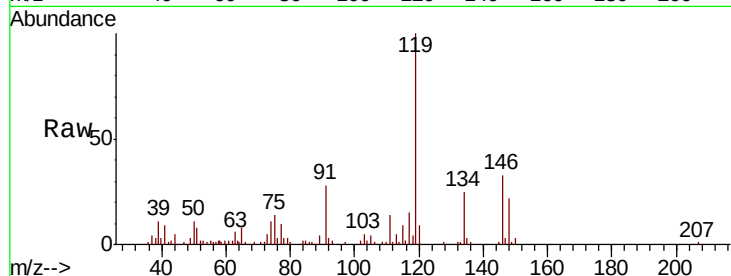
Tgt Ion:146 Resp: 24512

Ion Ratio Lower Upper

146 100

111 41.9 22.4 67.0

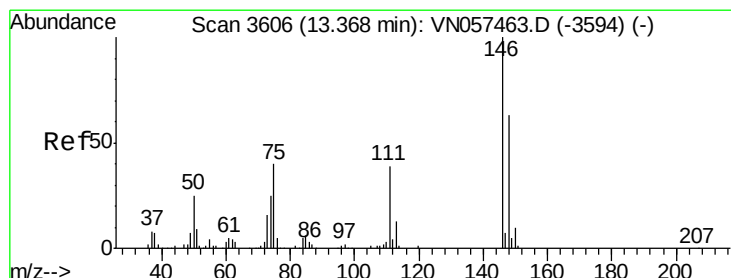
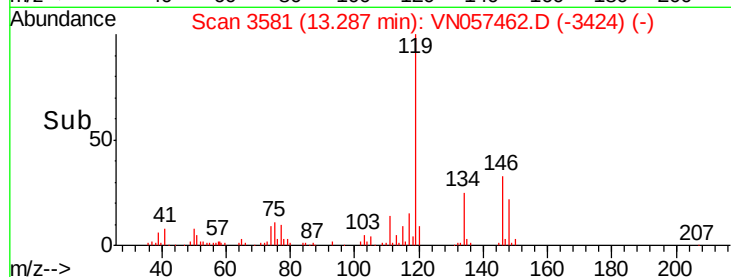
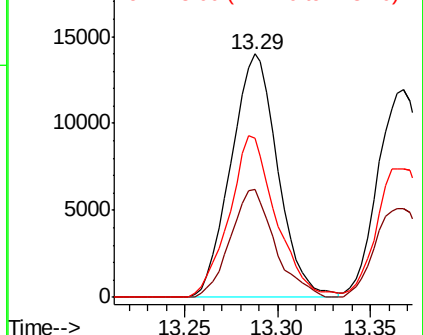
148 65.6 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 3.197 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

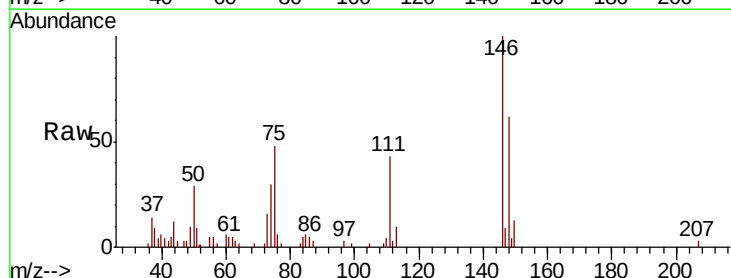
Tgt Ion:146 Resp: 22386

Ion Ratio Lower Upper

146 100

111 42.0 20.5 61.5

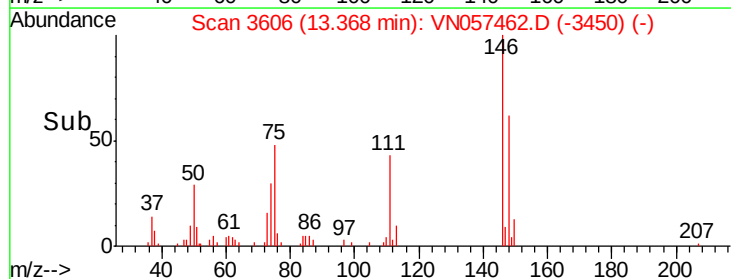
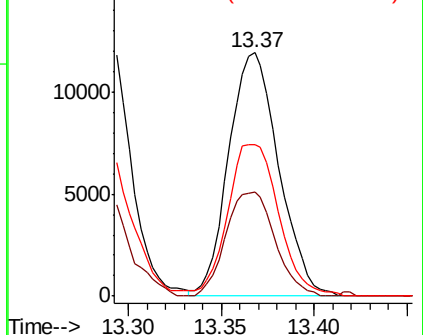
148 63.5 31.9 95.7

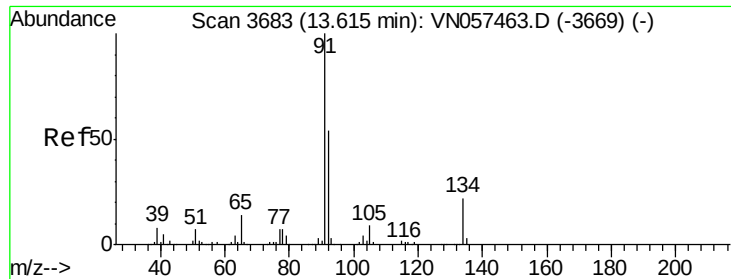


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

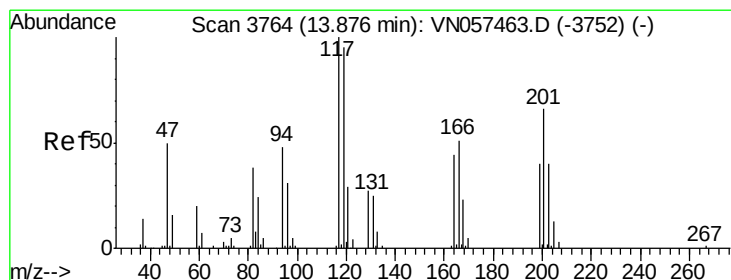
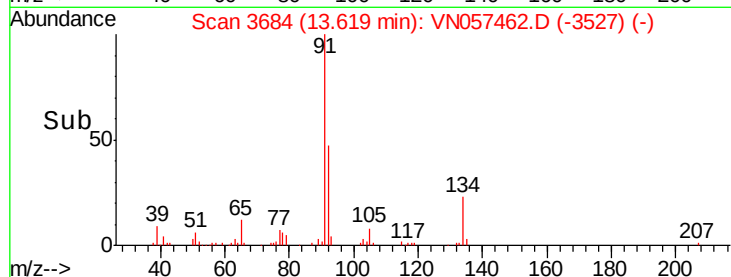
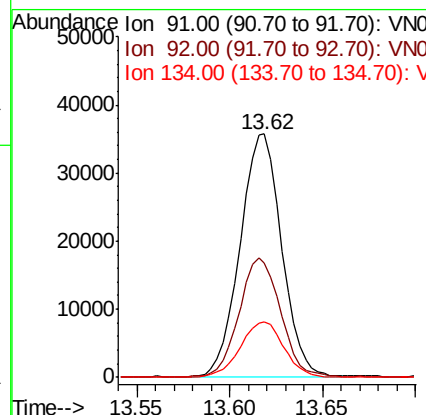
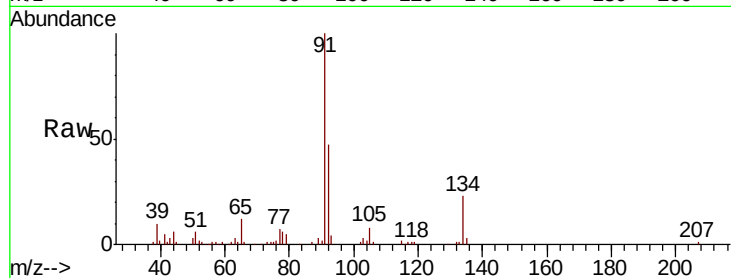




#85
n-Butylbenzene
Concen: 4.608 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

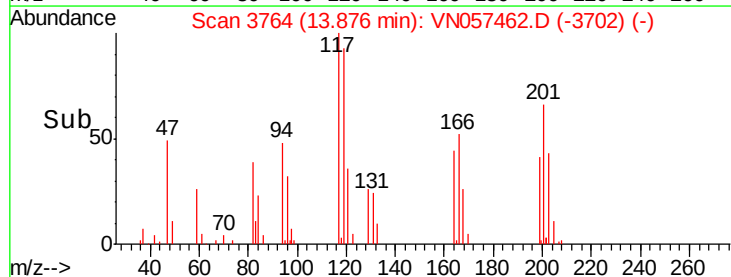
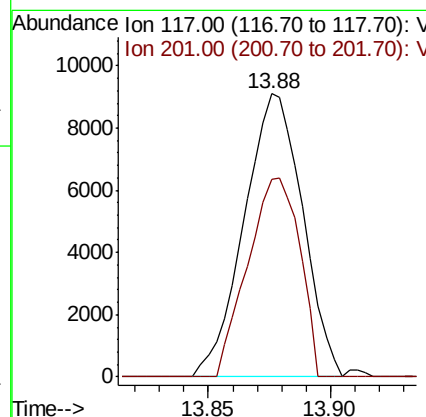
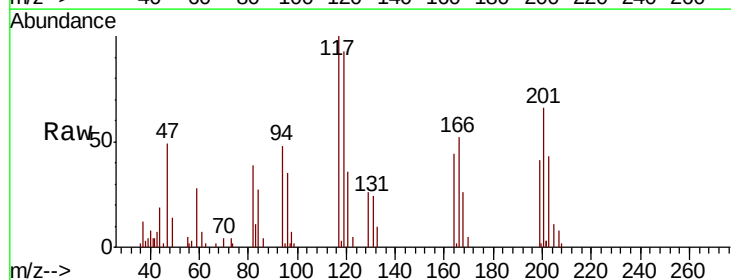
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

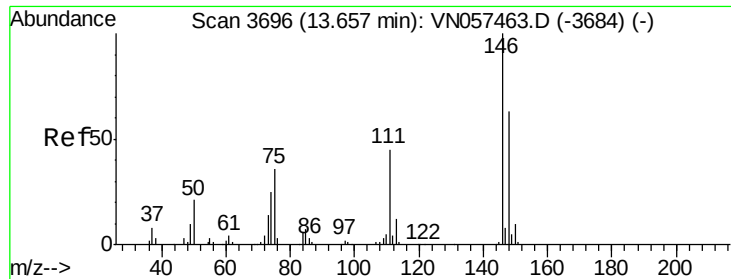
Tgt Ion: 91 Resp: 55865
Ion Ratio Lower Upper
91 100
92 48.8 0.0 105.6
134 23.8 0.0 46.0



#86
Hexachloroethane
Concen: 4.831 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057462.D
Acq: 23 Aug 2019 9:12

Tgt Ion: 117 Resp: 15144
Ion Ratio Lower Upper
117 100
201 62.4 34.0 101.8

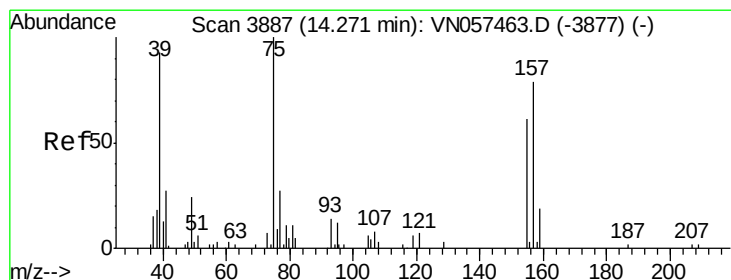
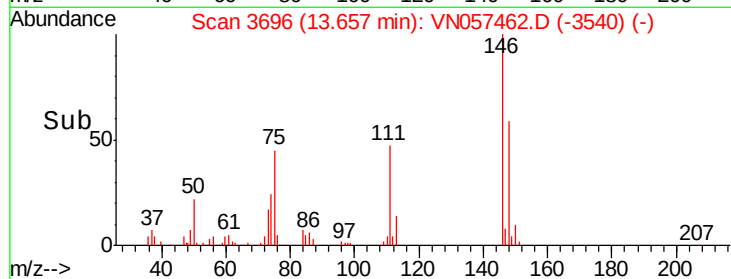
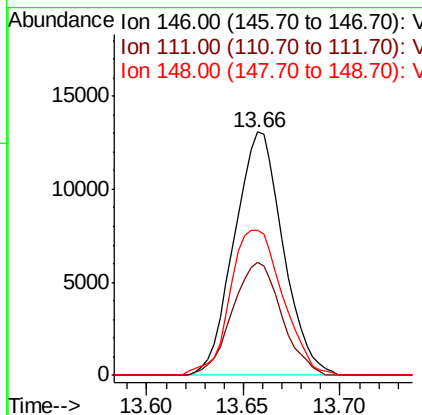
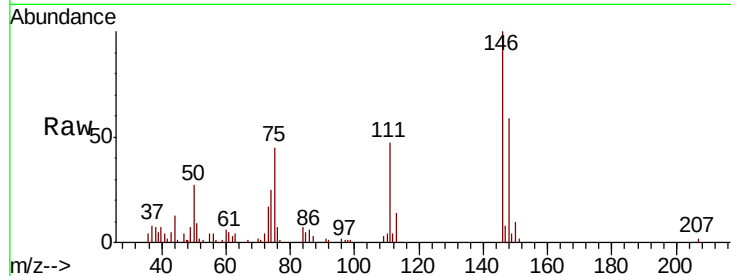




#87
 1,2-Dichlorobenzene
 Concen: 3.246 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

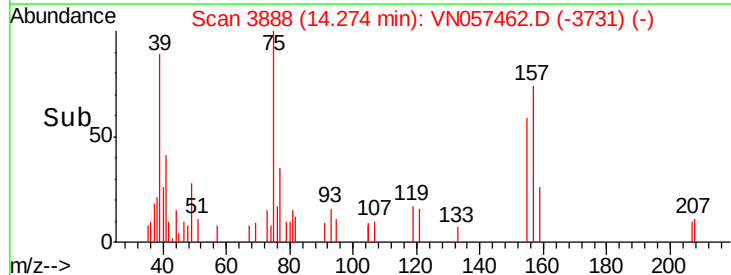
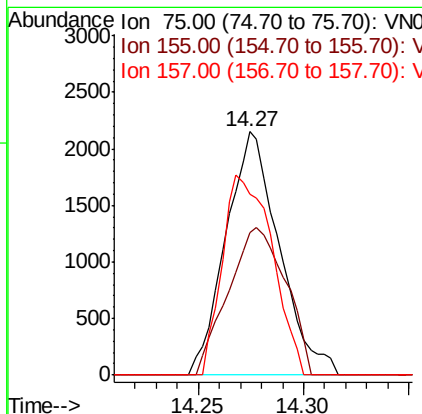
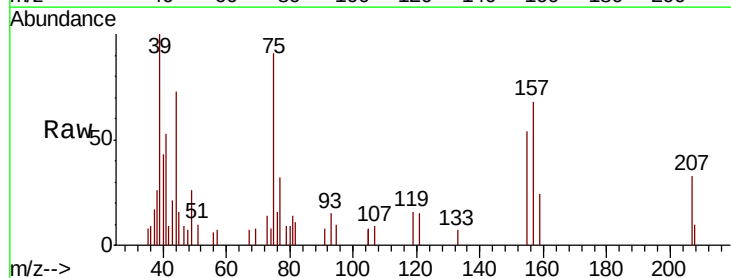
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

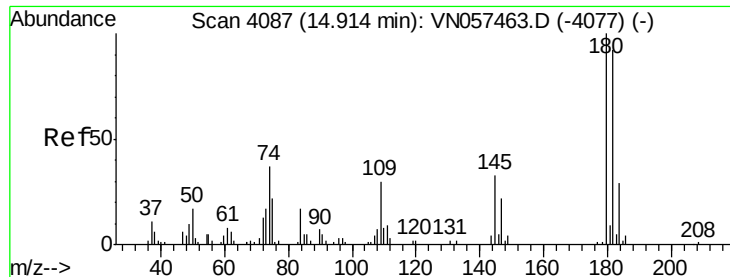
Tgt Ion: 146 Resp: 22915
 Ion Ratio Lower Upper
 146 100
 111 46.8 22.5 67.5
 148 64.3 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.864 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion: 75 Resp: 3773
 Ion Ratio Lower Upper
 75 100
 155 65.3 53.7 80.5
 157 76.6 63.5 95.3

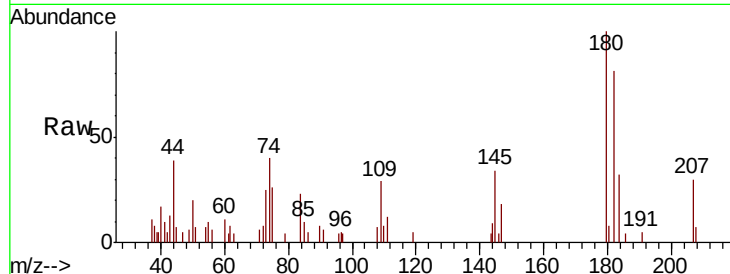




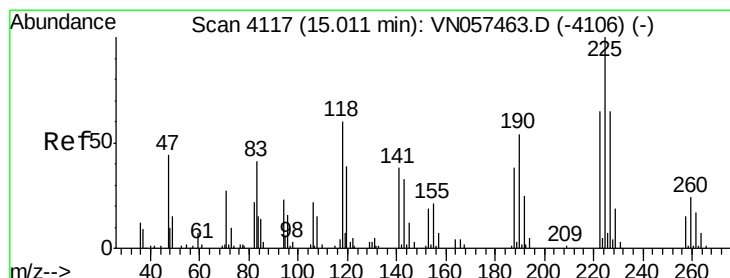
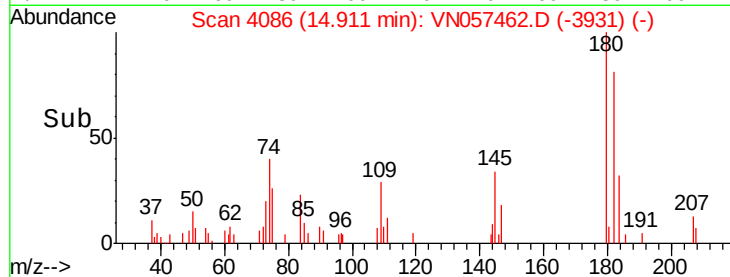
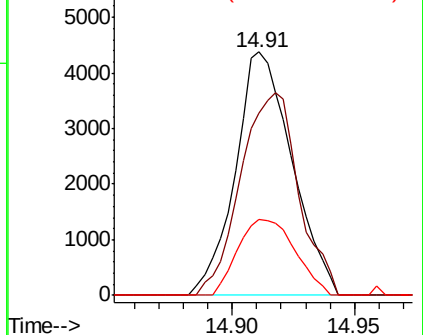
#89
 1,2,4-Trichlorobenzene
 Concen: 2.785 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 7055
 Ion Ratio Lower Upper
 180 100
 182 85.2 75.4 113.2
 145 31.5 26.9 40.3

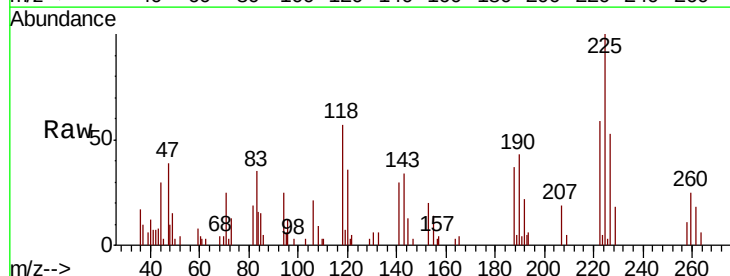


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

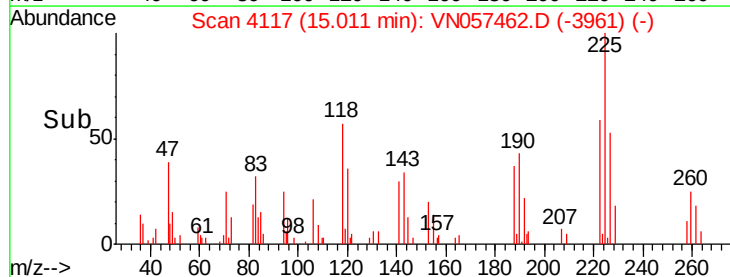
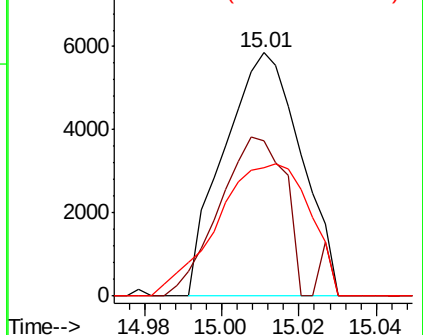


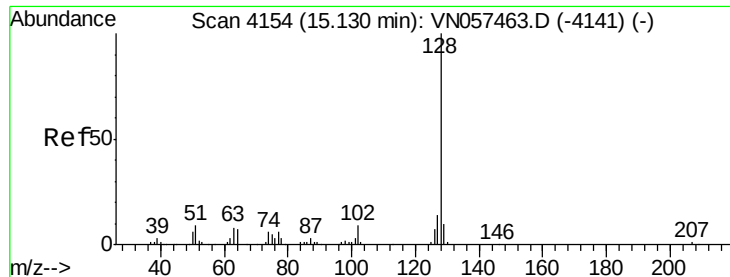
#90
 Hexachlorobutadiene
 Concen: 2.706 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057462.D
 Acq: 23 Aug 2019 9:12

Tgt Ion:225 Resp: 8100
 Ion Ratio Lower Upper
 225 100
 223 55.7 0.0 123.6
 227 65.4 0.0 126.6



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





#91

Naphthalene

Concen: 3.586 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

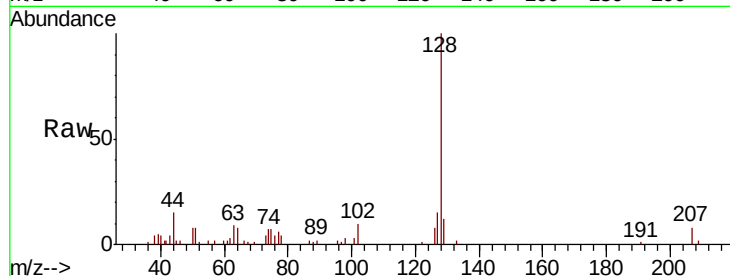
Tgt Ion:128 Resp: 21557

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

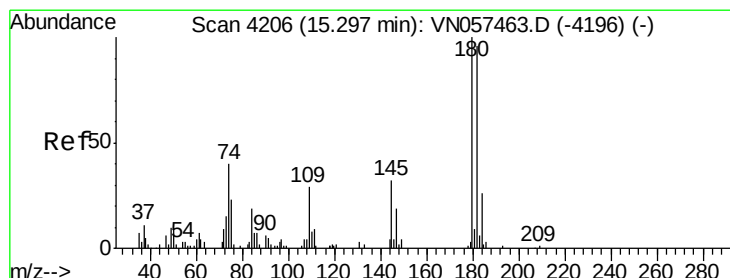
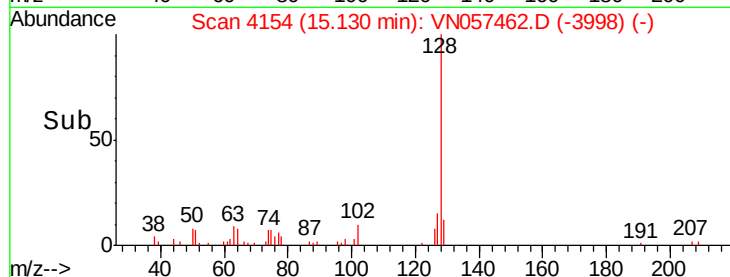
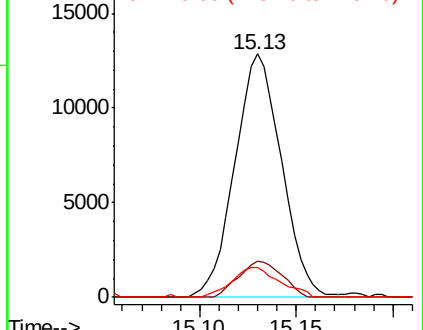
129 12.7 8.6 13.0



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: 2.442 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057462.D

Acq: 23 Aug 2019 9:12

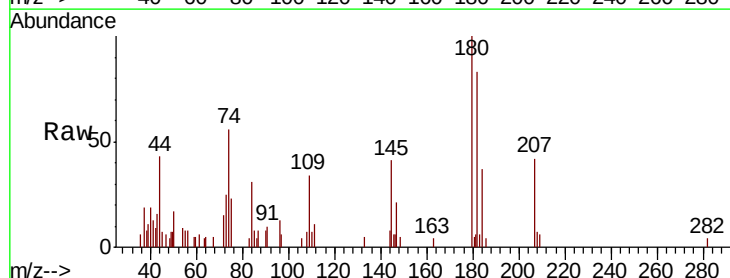
Tgt Ion:180 Resp: 6000

Ion Ratio Lower Upper

180 100

182 93.3 0.0 187.0

145 42.5 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

