

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
 Data File : VN057666.D
 Acq On : 3 Sep 2019 16:21
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Sep 04 01:47:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	59365	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	360164	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	333002	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	185129	37.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	125.97%
60) 4-Bromofluorobenzene	12.40	95	186794	36.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	120.93%
63) Toluene-d8	10.09	98	462155	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	657585	198.922	ug/l 99
3) Chloromethane	2.05	50	663117	213.692	ug/l 99
4) Vinyl Chloride	2.18	62	558455	134.847	ug/l 94
5) Bromomethane	2.51	94	333921	92.431	ug/l 100
6) Chloroethane	2.67	64	369382	130.841	ug/l 97
7) Trichlorofluoromethane	3.00	101	1078098	122.393	ug/l 95
8) Diethyl Ether	3.39	74	342052	119.597	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	538993	104.782	ug/l 99
10) 1,1-Dichloroethene	3.72	96	507553	106.441	ug/l 97
11) Methyl Iodide	3.94	142	733849	91.691	ug/l 97
12) Methyl Acetate	4.30	43	741827	228.735	ug/l 96
13) Acrolein	3.59	56	205856	595.239	ug/l 96
14) Acrylonitrile	4.96	53	1392345	1129.607	ug/l 100
15) Acetone	3.80	58	365658	654.493	ug/l 86
16) Carbon Disulfide	4.04	76	1330500	224.826	ug/l 99
17) Allyl chloride	4.31	41	1159593	272.084	ug/l 97
18) Methylene Chloride	4.53	84	605054	189.630	ug/l 93
19) trans-1,2-Dichloroethene	5.02	96	531404	172.583	ug/l 99
20) Diisopropyl ether	5.93	45	2342849	230.904	ug/l 94
21) 1,1-Dichloroethane	5.83	63	1170338	192.788	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	642623	158.034	ug/l 98
23) tert-Butyl Alcohol	4.76	59	526939	1176.216	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2009917	195.623	ug/l 100
25) Chloroform	7.36	83	1243913	174.534	ug/l 99
26) Cyclohexane	7.64	56	998845	197.147	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	870160	173.828	ug/l 99
30) 2-Butanone	6.82	43	2091901	1187.080	ug/l # 97
31) 2,2-Dichloropropane	6.81	77	1098592	183.213	ug/l # 77
32) 1,1,1-Trichloroethane	7.56	97	1124800	171.259	ug/l 99
33) Carbon Tetrachloride	7.76	117	932387	168.728	ug/l 98
34) Benzene	8.03	78	2463863	165.889	ug/l # 86
35) Methacrylonitrile	7.19	41	1311971	778.188	ug/l # 61
36) 1,2-Dichloroethane	8.11	62	1112241	196.581	ug/l # 100
37) Trichloroethene	8.83	130	596904	144.327	ug/l 94
38) Methylcyclohexane	9.07	83	955175	160.938	ug/l 98
39) 1,2-Dichloropropane	9.11	63	675318	180.686	ug/l 97
40) Dibromomethane	9.20	93	451500	164.148	ug/l 98

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Quant Time: Sep 04 01:47:13 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1029477	181.041	ug/l	96
42) Vinyl Acetate	5.88	43	8048098	1017.884	ug/l #	95
43) Ethyl Acetate	7.19	43	285179	83.327	ug/l	98
44) Isopropyl Acetate	8.15	43	1661327	243.571	ug/l #	84
45) 1,4-Dioxane	9.19	88	202192	3685.036	ug/l	92
46) Methyl methacrylate	9.19	41	817834	258.593	ug/l	98
47) n-amyl Acetate	12.07	43	1407578	259.075	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1108411	192.938	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	1137626	183.559	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	607548	154.644	ug/l	100
51) Ethyl methacrylate	10.43	69	1057307	199.027	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1077700	172.358	ug/l	100
53) Dibromochloromethane	10.90	129	708886	163.475	ug/l	100
54) 1,2-Dibromoethane	11.00	107	639780	158.547	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	1762092	1284.024	ug/l	100
56) Bromoform	12.13	173	467600	166.556	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3861543	1011.731	ug/l #	89
59) 2-Hexanone	10.75	43	3010044	1141.333	ug/l	95
61) Tetrachloroethene	10.63	164	538243	128.944	ug/l	99
62) Toluene	10.15	91	2628839	154.966	ug/l	97
64) Chlorobenzene	11.43	112	1671227	155.682	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	639512	151.360	ug/l	96
66) Ethyl Benzene	11.51	91	2916563	159.065	ug/l #	86
67) m/p-Xylenes	11.62	106	2265346	315.720	ug/l	73
68) o-Xylene	11.95	106	1137659	157.559	ug/l	95
69) Styrene	11.96	104	1956775	171.984	ug/l	99
70) Isopropylbenzene	12.25	105	2888031	159.164	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.51	83	826753	168.504	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1145043	271.783	ug/l	63
73) Bromobenzene	12.53	156	697319	153.663	ug/l	96
74) n-propylbenzene	12.59	91	3218491	171.197	ug/l	91
75) 2-Chlorotoluene	12.68	91	2193587	179.201	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	2536707	166.617	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	282813	211.643	ug/l	86
78) 4-Chlorotoluene	12.78	91	2213750	190.942	ug/l	97
79) tert-butylbenzene	12.99	119	2200607	159.061	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2410914	169.070	ug/l	95
81) sec-Butylbenzene	13.17	105	2801083	166.464	ug/l	96
82) p-Isopropyltoluene	13.29	119	2449750	165.660	ug/l	96
83) 1,3-Dichlorobenzene	13.29	146	1156133	159.433	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1117388	161.277	ug/l	98
85) n-Butylbenzene	13.62	91	2232898	186.200	ug/l	96
86) Hexachloroethane	13.88	117	481621	167.861	ug/l	91
87) 1,2-Dichlorobenzene	13.66	146	1076634	156.333	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	161987	230.481	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	519442	206.470	ug/l	98
90) Hexachlorobutadiene	15.01	225	360930	157.733	ug/l	98
91) Naphthalene	15.13	128	1386158	202.087	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	503348	202.630	ug/l	96

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ClientSampleId :
VSTDICC150

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 01:42:15 2019
Response via : Initial Calibration

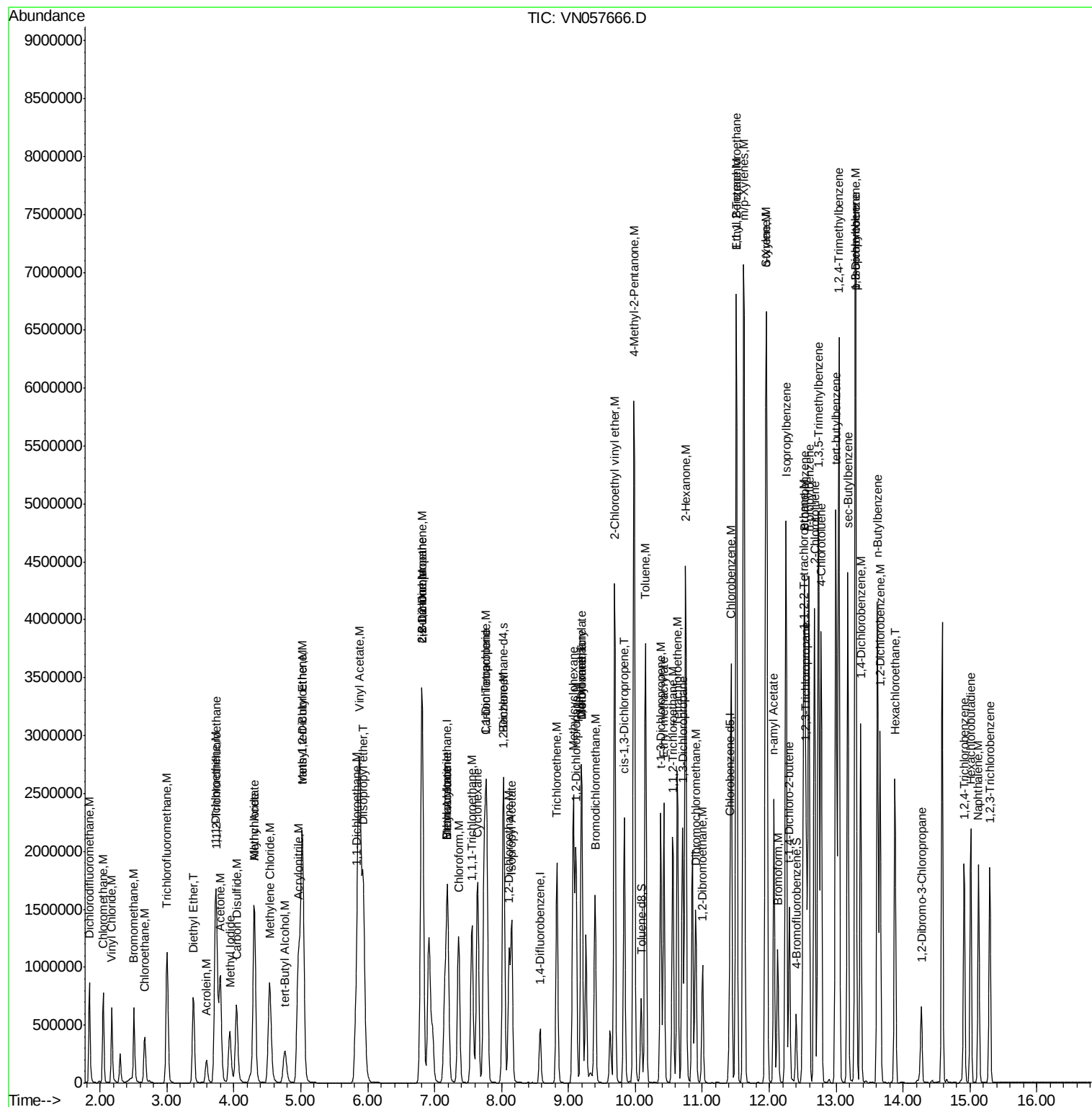
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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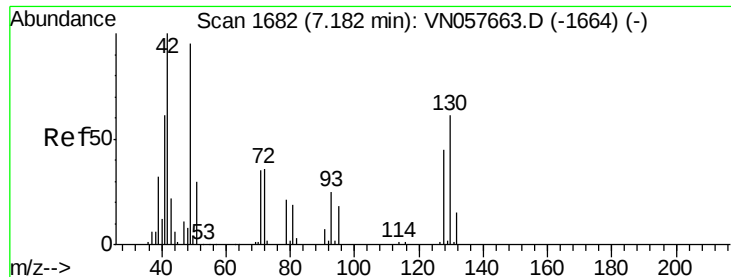
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090319\
Data File : VN057666.D
Acq On : 3 Sep 2019 16:21
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Sep 04 01:47:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 01:42:15 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

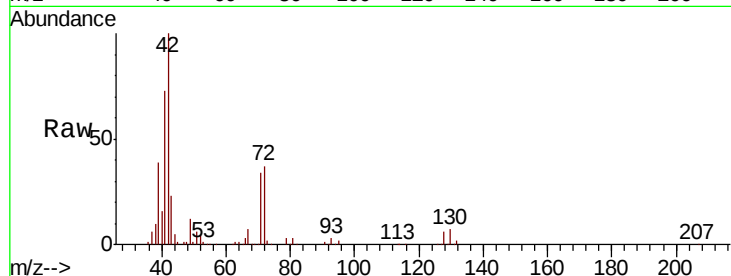
Tgt Ion:128 Resp: 59365

Ion Ratio Lower Upper

128 100

49 220.7 0.0 544.5

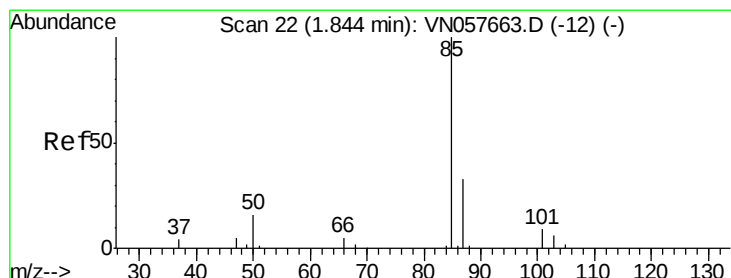
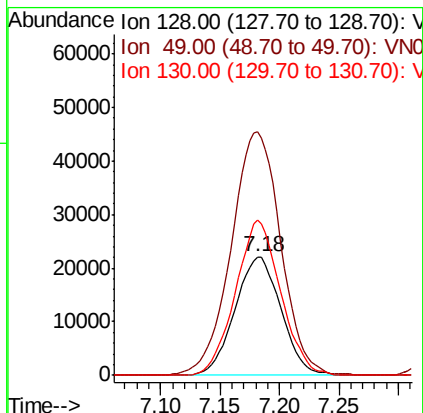
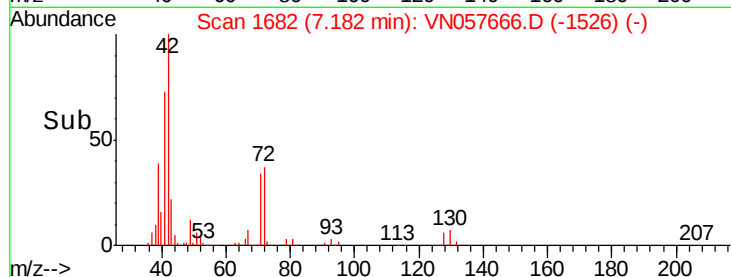
130 127.7 0.0 324.7



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: 198.922 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN057666.D

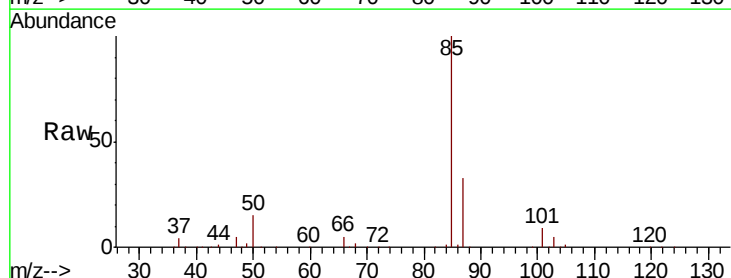
Acq: 3 Sep 2019 16:21

Tgt Ion: 85 Resp: 657585

Ion Ratio Lower Upper

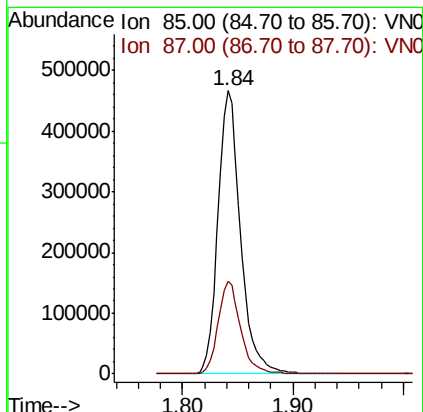
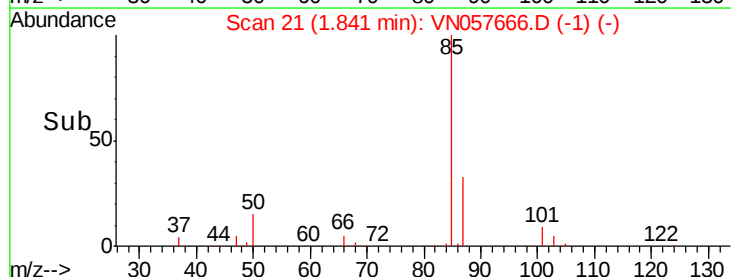
85 100

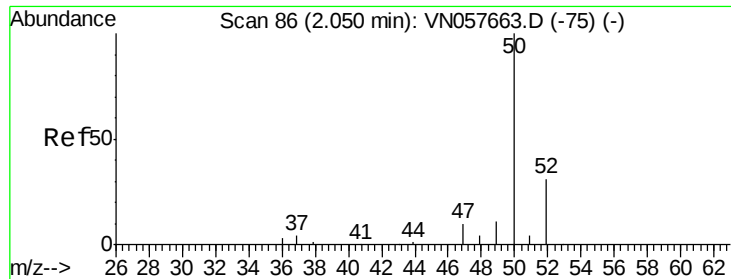
87 32.6 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

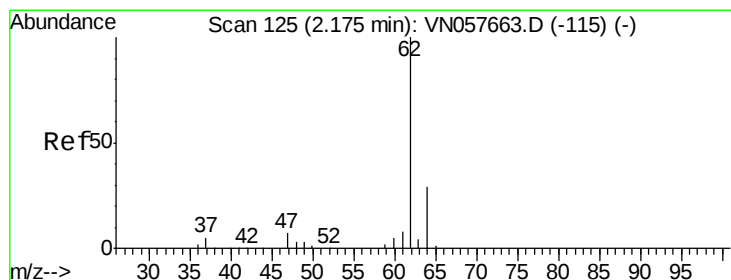
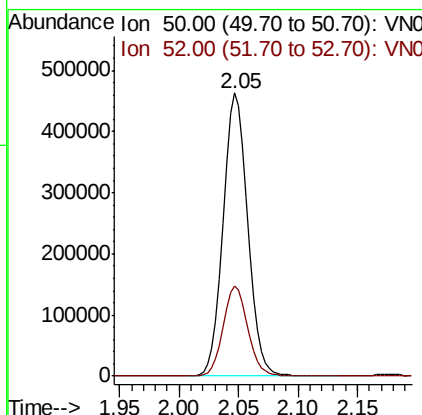
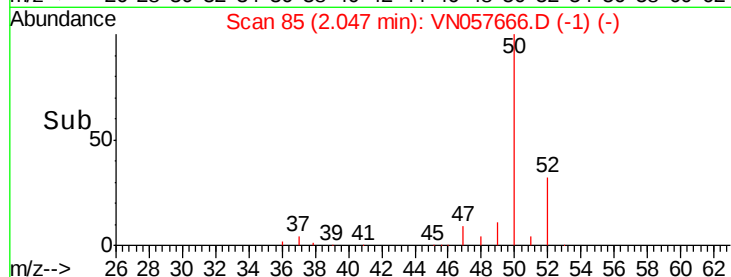
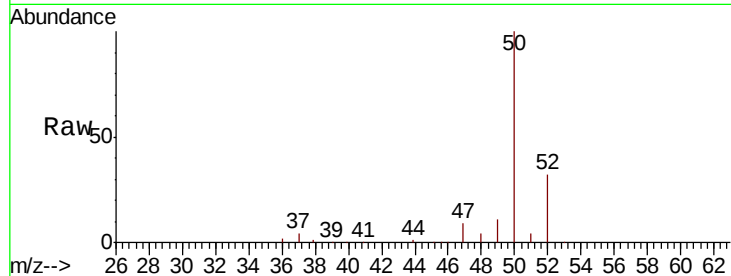




#3
 Chloromethane
 Concen: 213.692 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

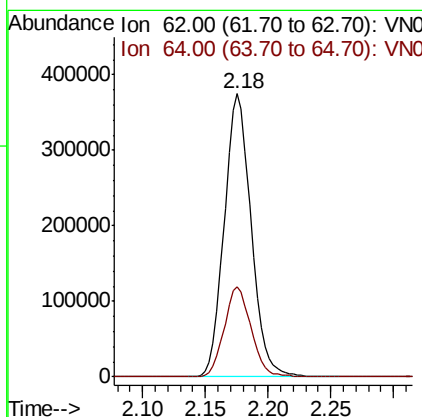
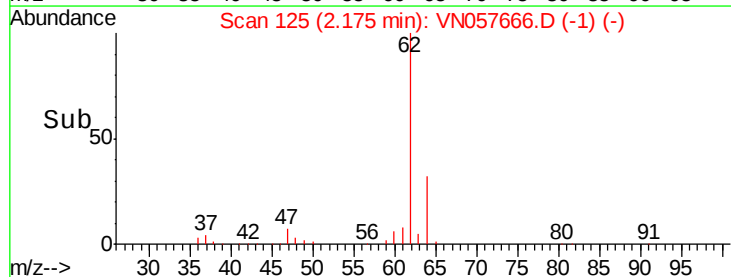
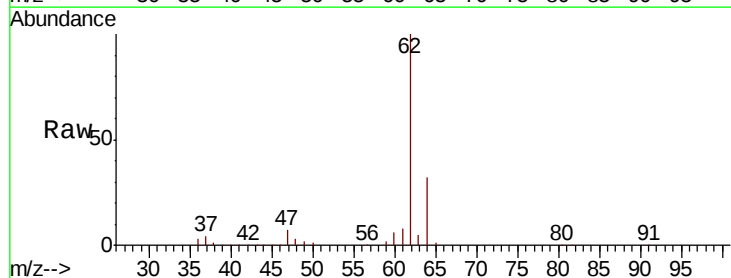
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

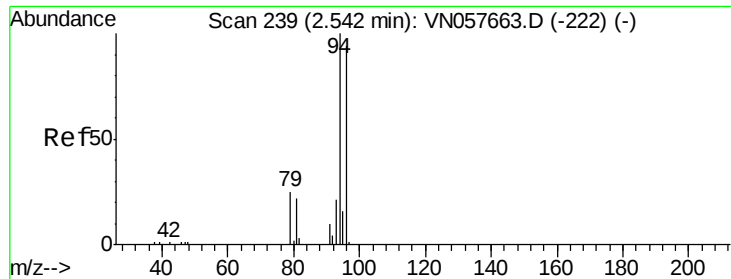
Tgt Ion: 50 Resp: 663117
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.2 37.8



#4
 Vinyl Chloride
 Concen: 134.847 ug/l
 RT: 2.18 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 62 Resp: 558455
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.2 34.8





#5

Bromomethane

Concen: 92.431 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.04 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

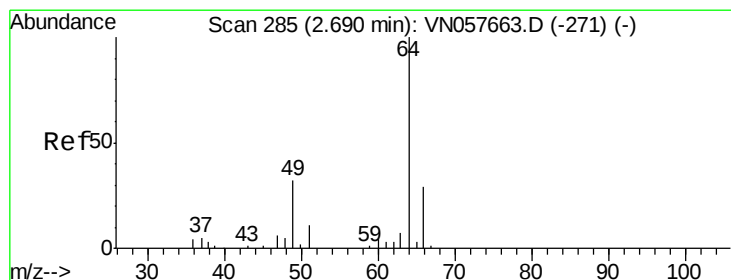
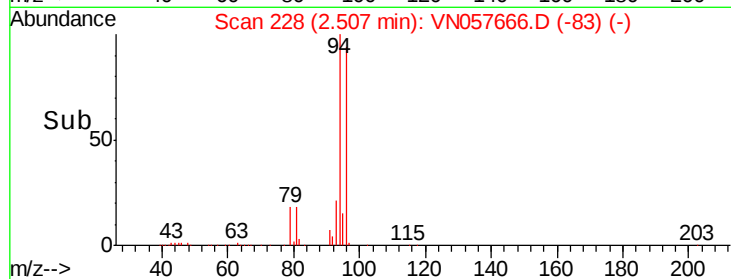
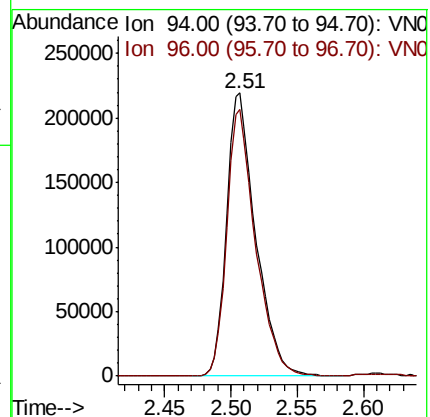
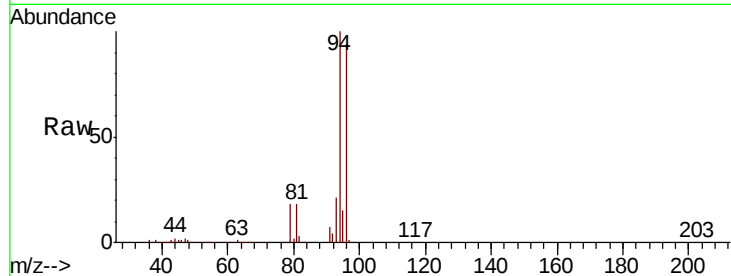
VSTDIC150

Tgt Ion: 94 Resp: 333921

Ion Ratio Lower Upper

94 100

96 94.3 75.6 113.4



#6

Chloroethane

Concen: 130.841 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN057666.D

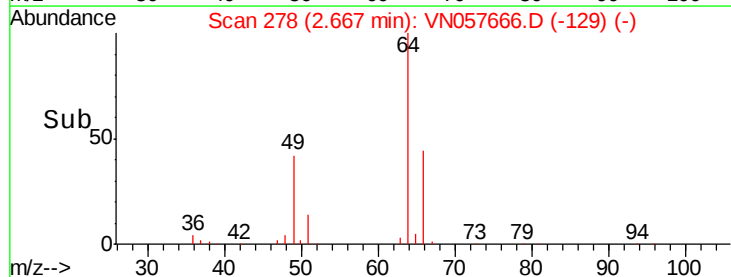
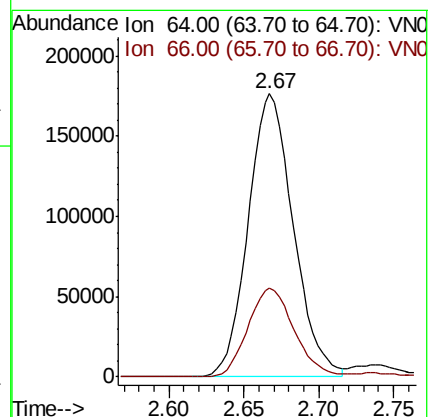
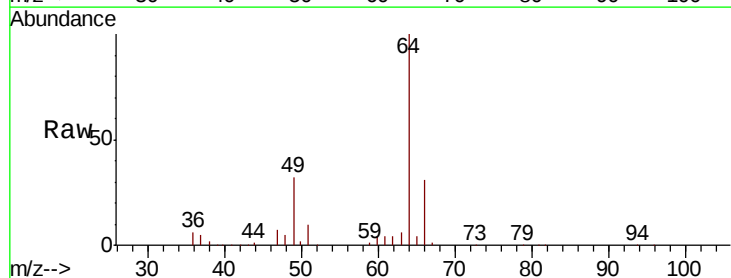
Acq: 3 Sep 2019 16:21

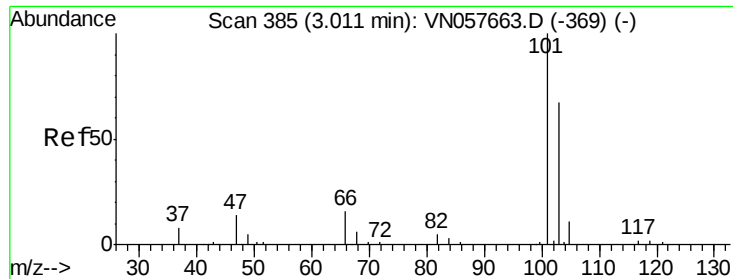
Tgt Ion: 64 Resp: 369382

Ion Ratio Lower Upper

64 100

66 31.2 23.5 35.3



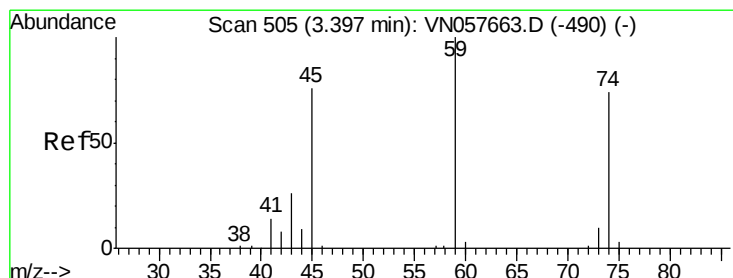
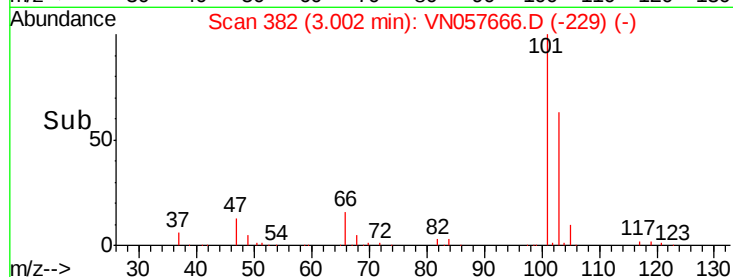
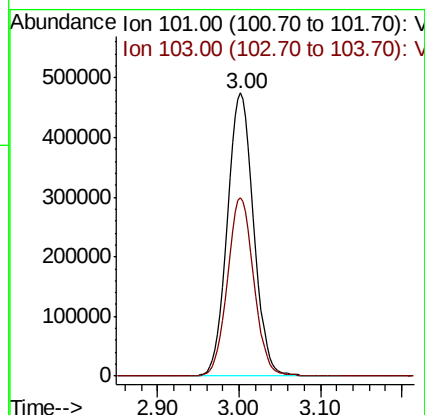
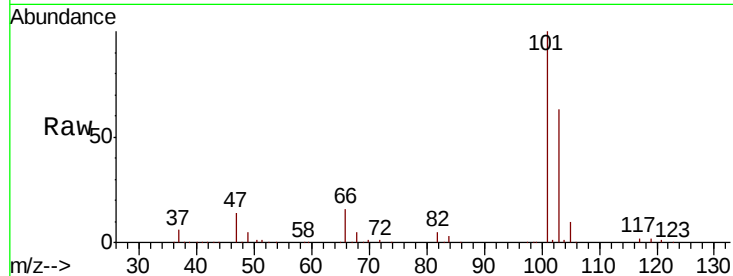


#7

Trichlorofluoromethane
Concen: 122.393 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

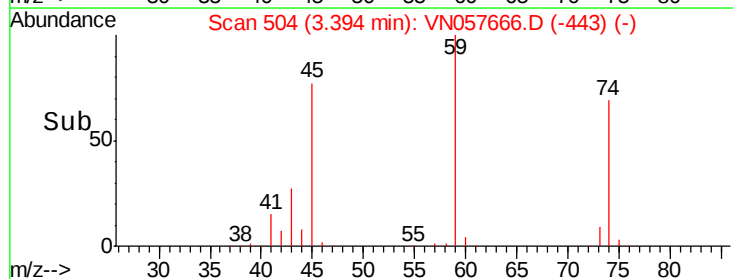
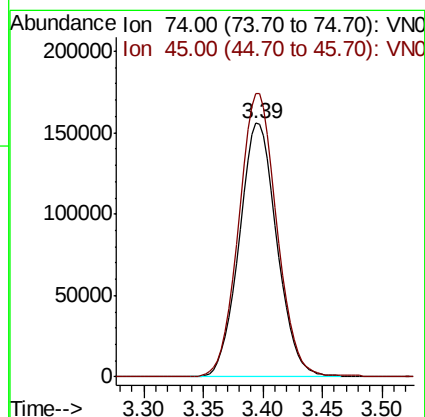
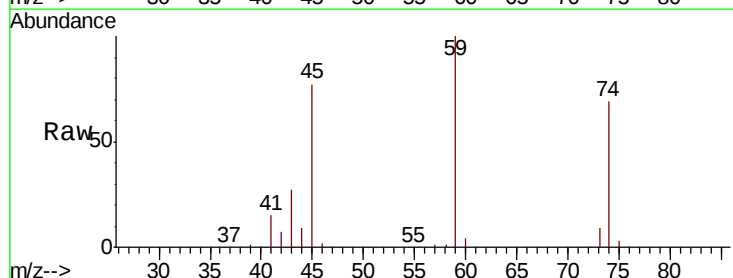
Tgt Ion:101 Resp: 1078098
Ion Ratio Lower Upper
101 100
103 63.2 53.6 80.4

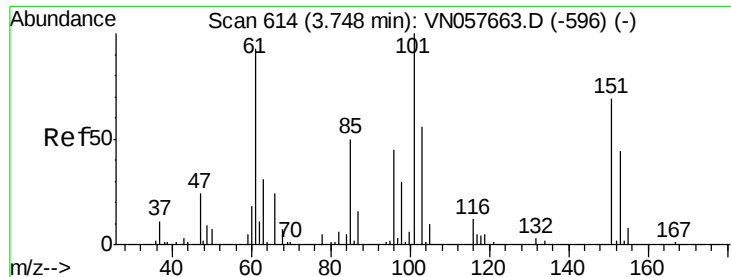


#8

Diethyl Ether
Concen: 119.597 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 74 Resp: 342052
Ion Ratio Lower Upper
74 100
45 112.4 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.782 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

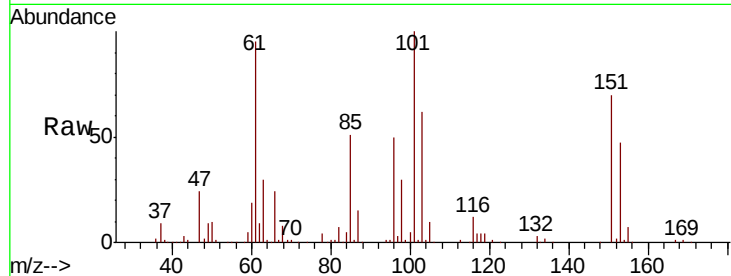
Tgt Ion:101 Resp: 538993

Ion Ratio Lower Upper

101 100

85 50.5 0.0 100.2

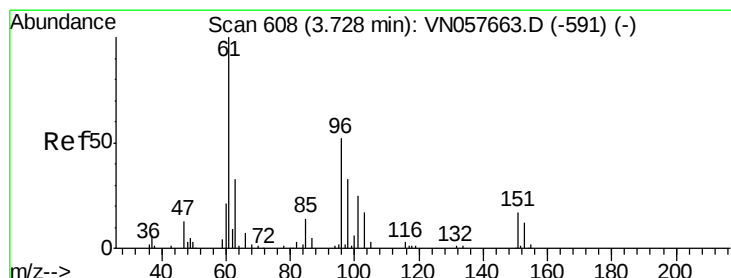
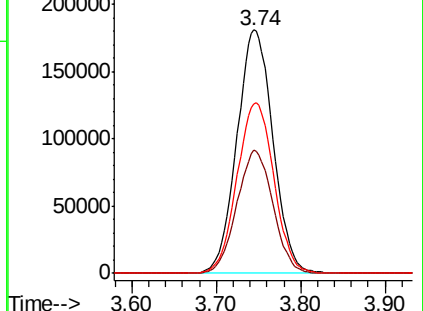
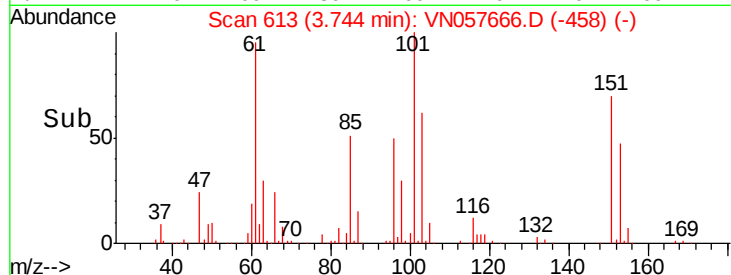
151 71.6 0.0 140.6



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: 106.441 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

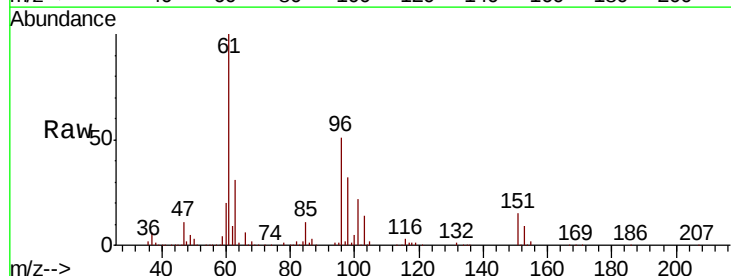
Tgt Ion: 96 Resp: 507553

Ion Ratio Lower Upper

96 100

61 197.1 152.9 229.3

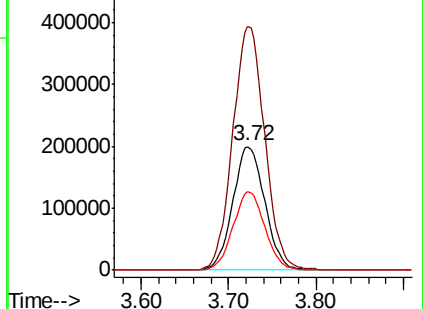
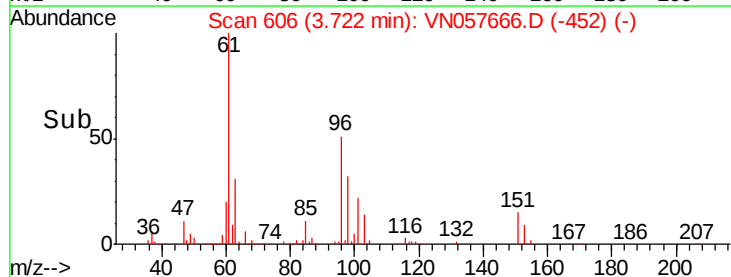
98 63.2 51.0 76.4

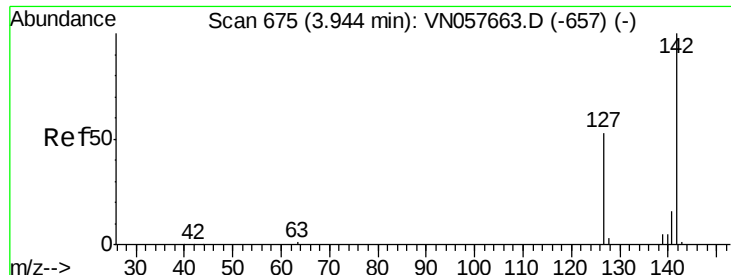


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

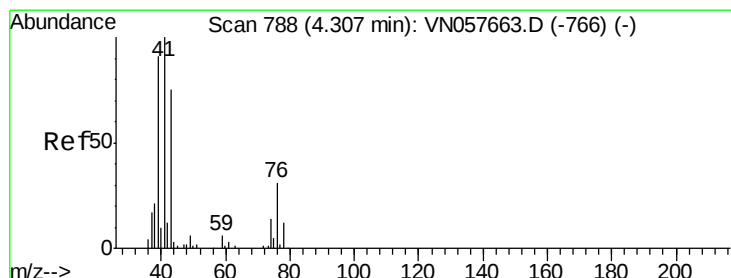
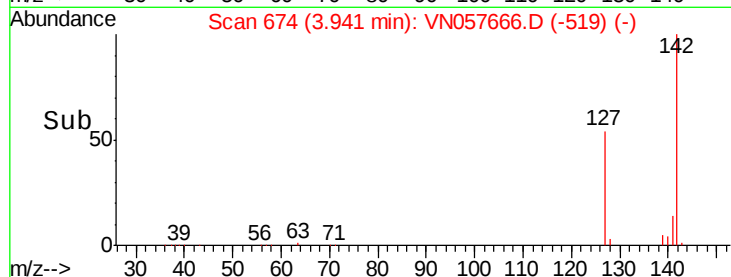
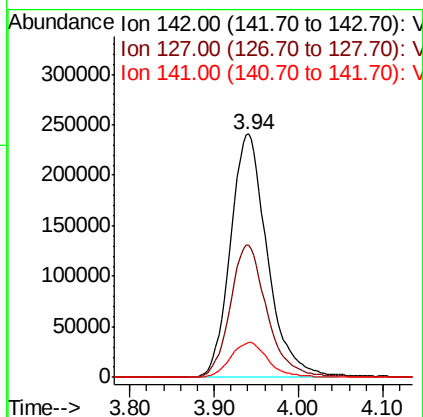
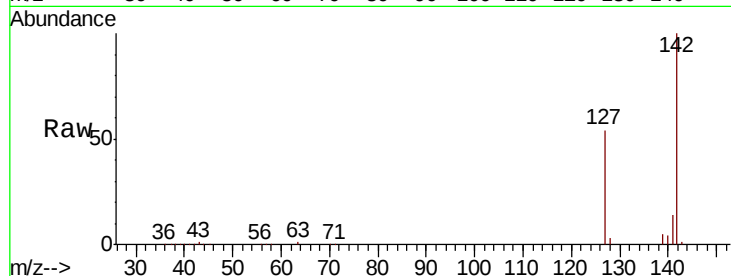




#11
Methyl Iodide
Concen: 91.691 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

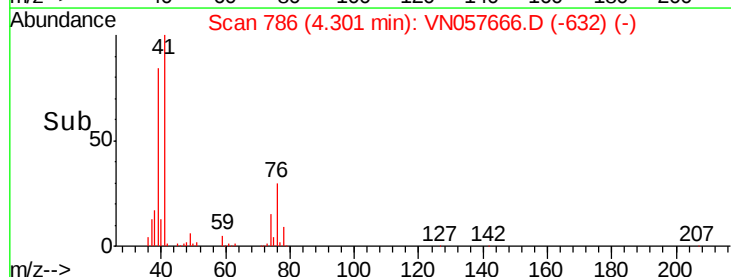
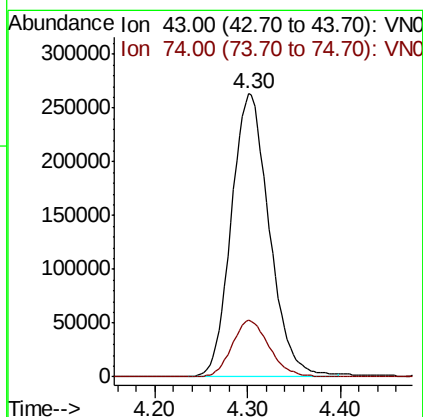
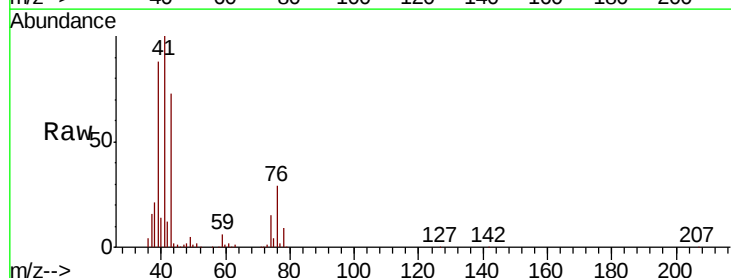
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

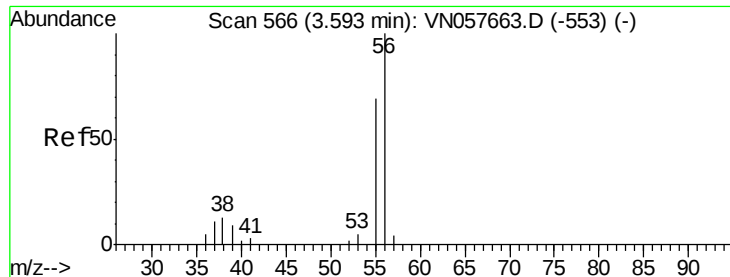
Tgt Ion: 142 Resp: 733849
Ion Ratio Lower Upper
142 100
127 54.3 26.2 78.5
141 14.4 7.6 22.9



#12
Methyl Acetate
Concen: 228.735 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.01 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 741827
Ion Ratio Lower Upper
43 100
74 20.2 14.6 22.0





#13

Acrolein

Concen: 595.239 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

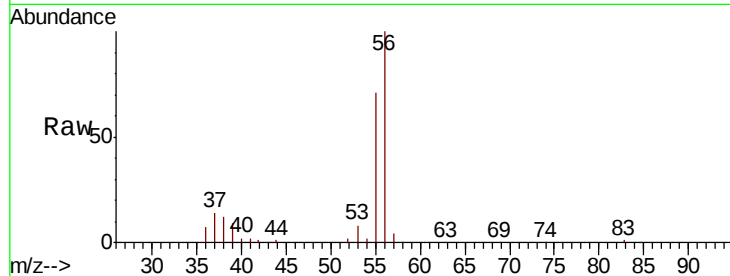
VSTDIC150

Tgt Ion: 56 Resp: 205856

Ion Ratio Lower Upper

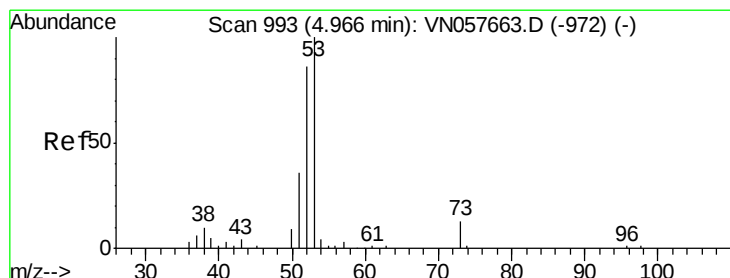
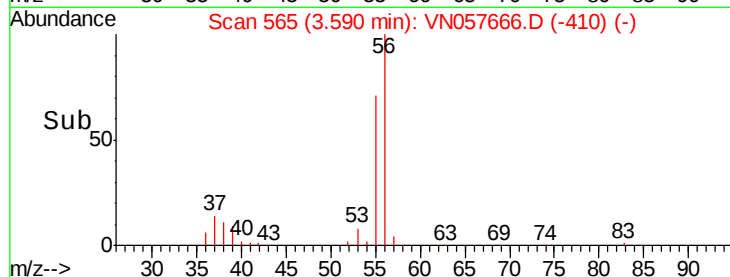
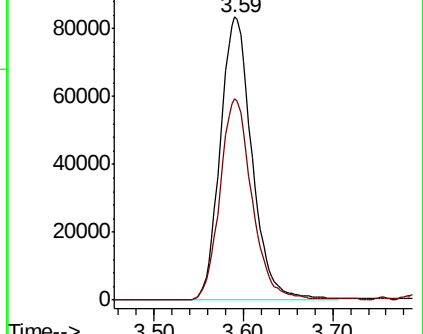
56 100

55 70.9 54.2 81.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 1129.607 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

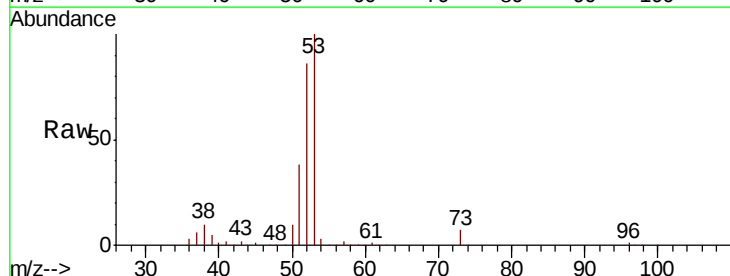
Tgt Ion: 53 Resp: 1392345

Ion Ratio Lower Upper

53 100

52 83.9 41.9 125.7

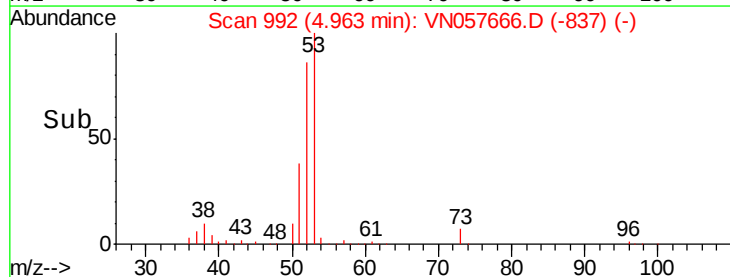
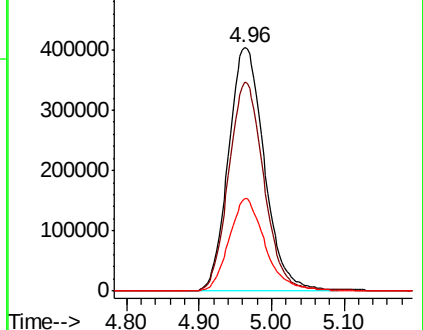
51 38.3 19.4 58.2

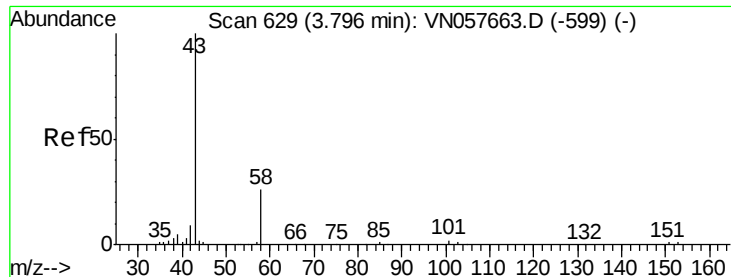


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 654.493 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

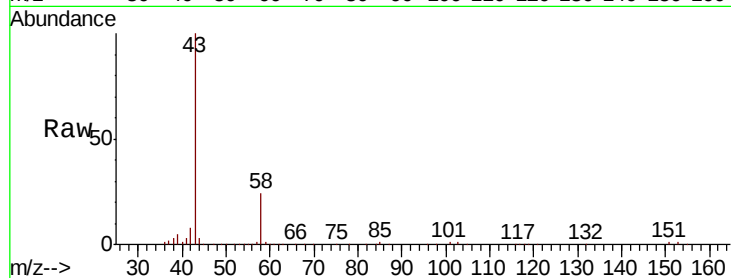
VSTDIC150

Tgt Ion: 58 Resp: 365658

Ion Ratio Lower Upper

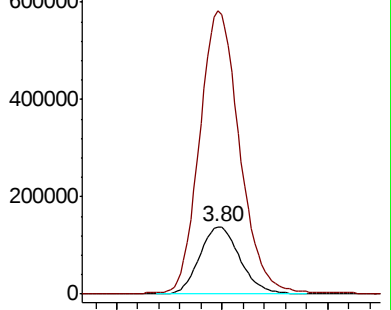
58 100

43 418.2 308.8 463.2

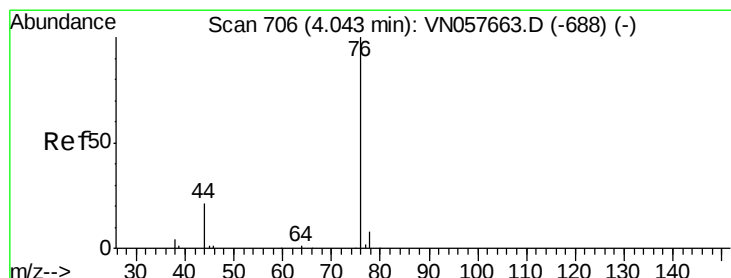
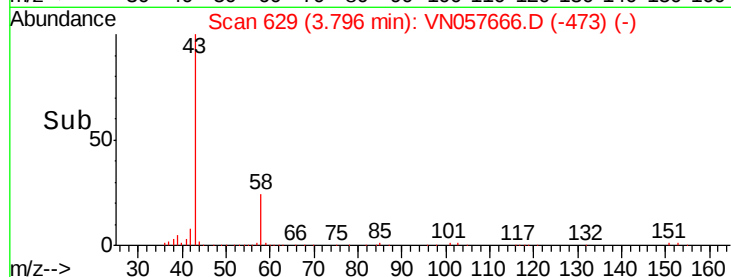


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 224.826 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN057666.D

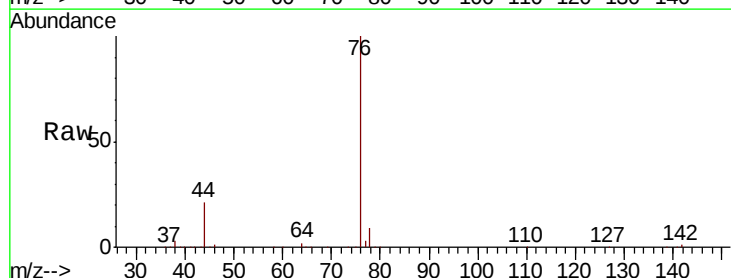
Acq: 3 Sep 2019 16:21

Tgt Ion: 76 Resp: 1330500

Ion Ratio Lower Upper

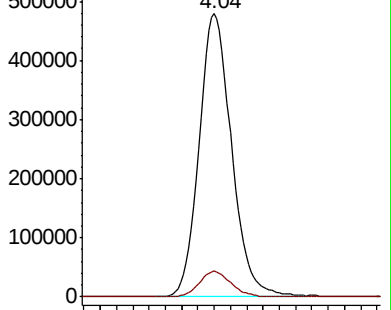
76 100

78 9.0 6.8 10.2

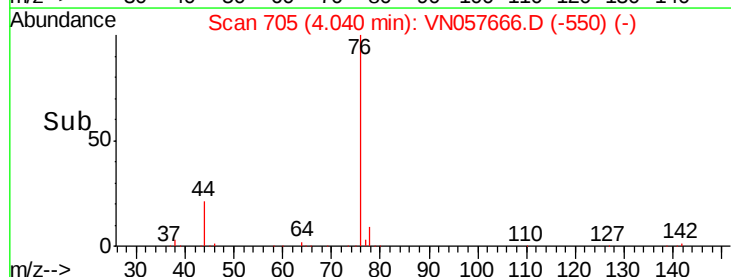


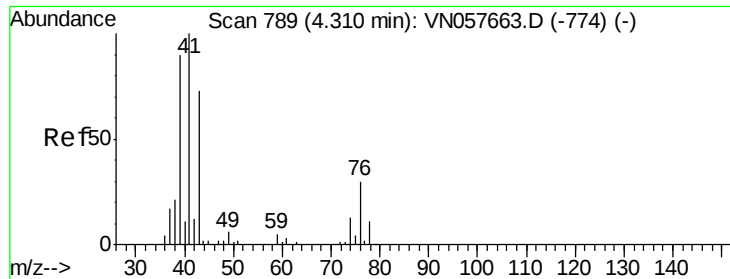
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->

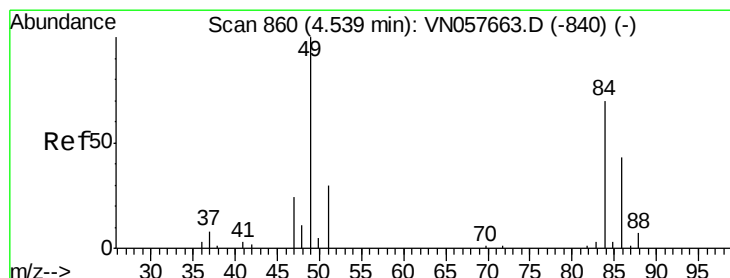
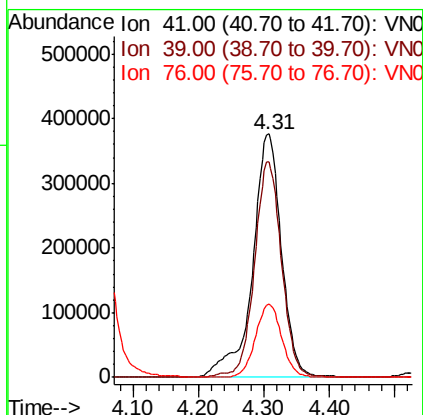
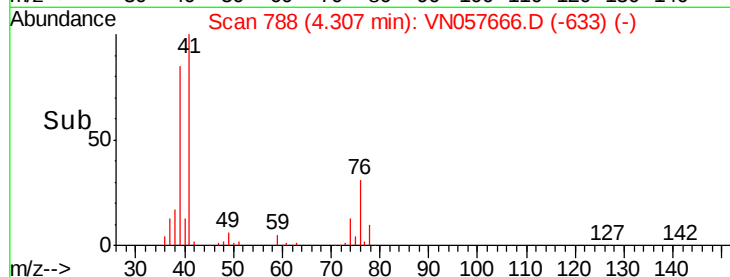
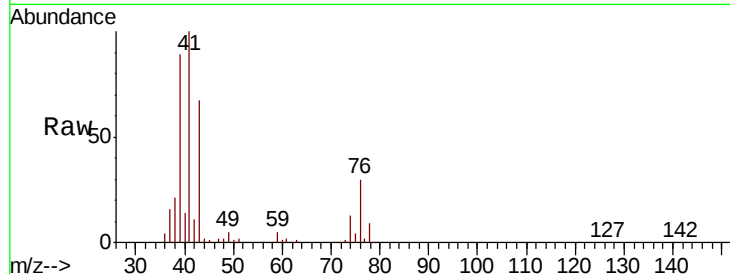




#17
 Allyl chloride
 Concen: 272.084 ug/l
 RT: 4.31 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

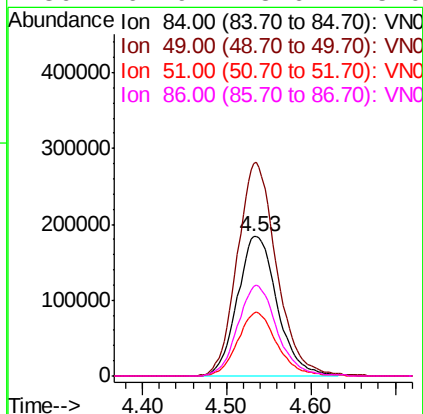
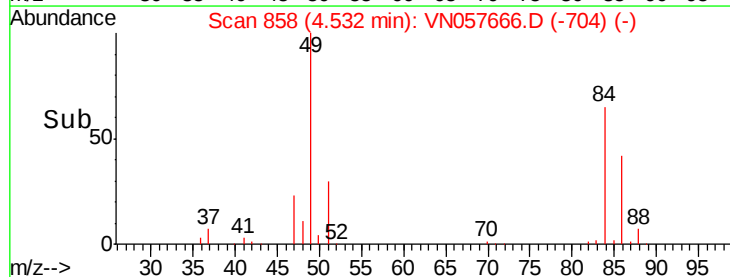
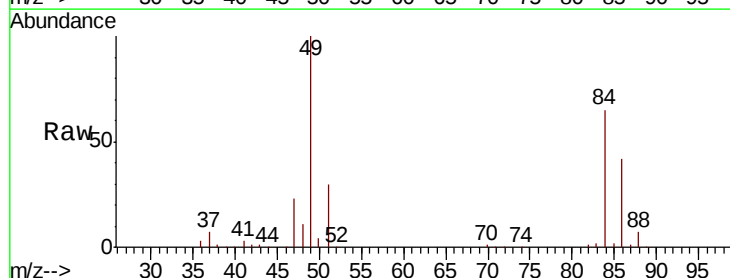
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

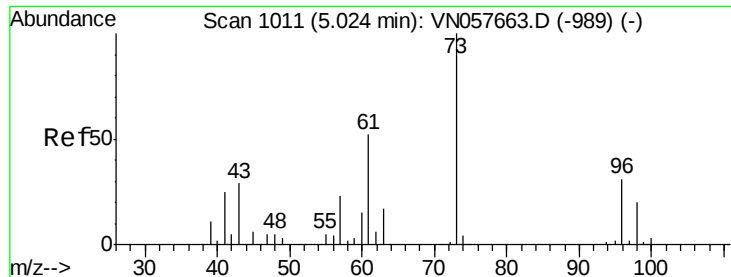
Tgt Ion: 41 Resp: 1159593
 Ion Ratio Lower Upper
 41 100
 39 88.6 43.0 128.8
 76 29.9 14.2 42.8



#18
 Methylene Chloride
 Concen: 189.630 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 84 Resp: 605054
 Ion Ratio Lower Upper
 84 100
 49 152.9 113.7 170.5
 51 45.2 34.5 51.7
 86 64.9 48.6 73.0

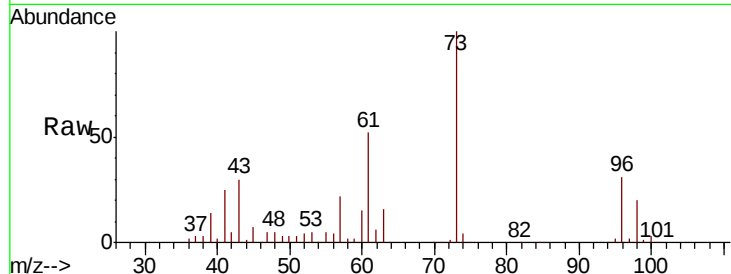




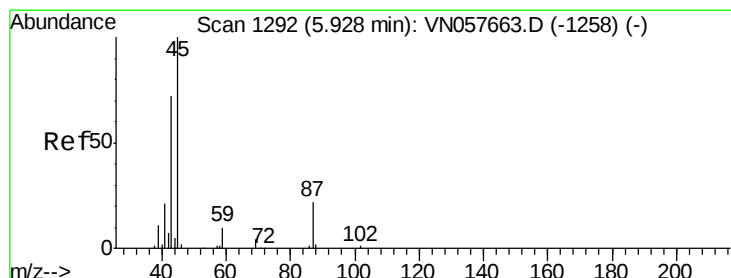
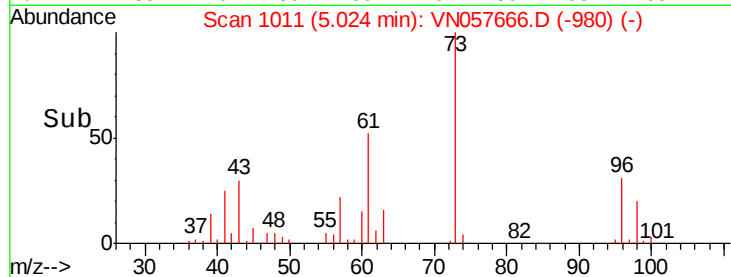
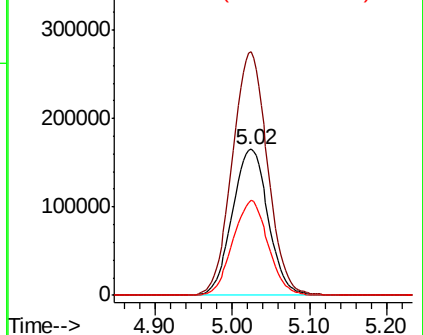
#19
trans-1,2-Dichloroethene
Concen: 172.583 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 531404
Ion Ratio Lower Upper
96 100
61 166.5 133.4 200.0
98 64.7 50.4 75.6

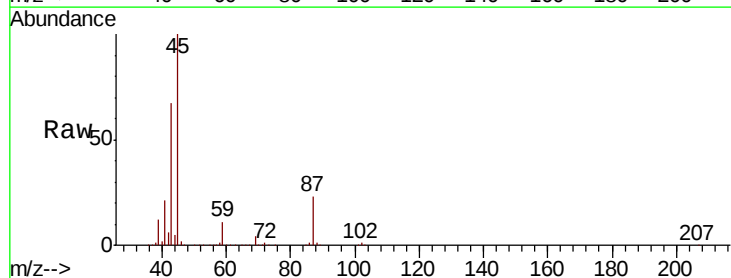


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

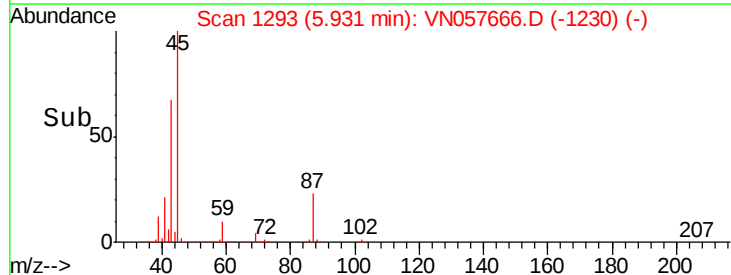
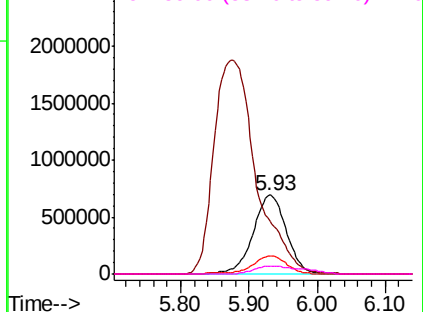


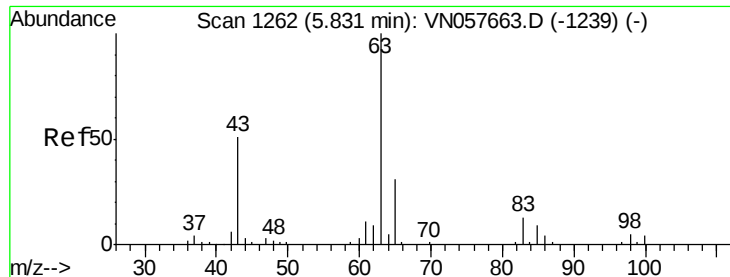
#20
Diisopropyl ether
Concen: 230.904 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 45 Resp: 2342849
Ion Ratio Lower Upper
45 100
43 66.1 58.3 87.5
87 23.3 18.5 27.7
59 10.2 7.7 11.5



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

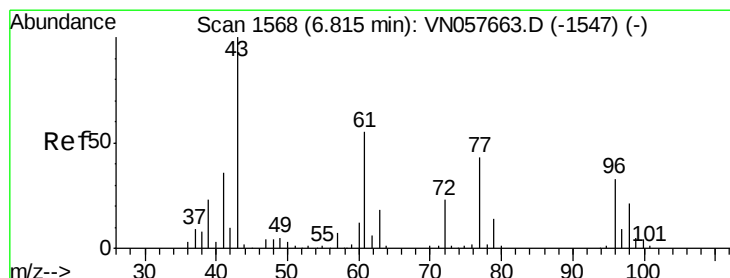
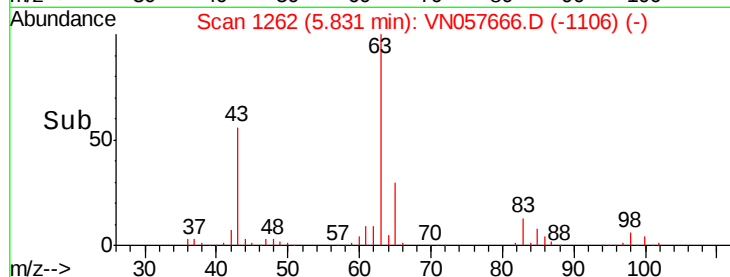
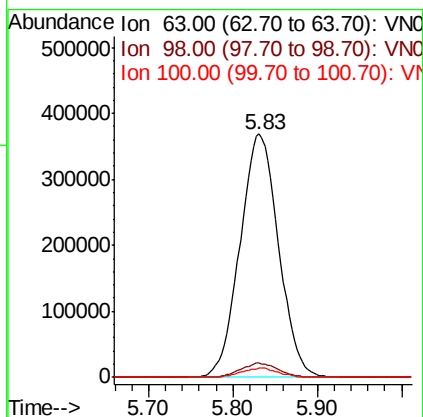
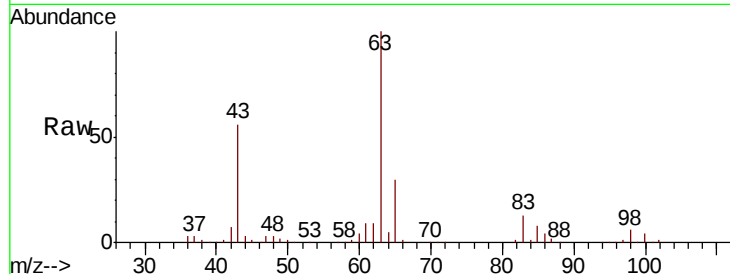




#21
 1,1-Dichloroethane
 Concen: 192.788 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

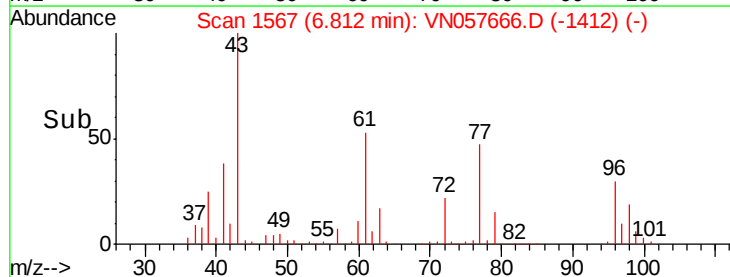
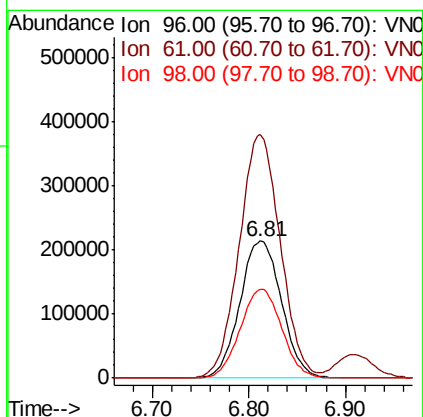
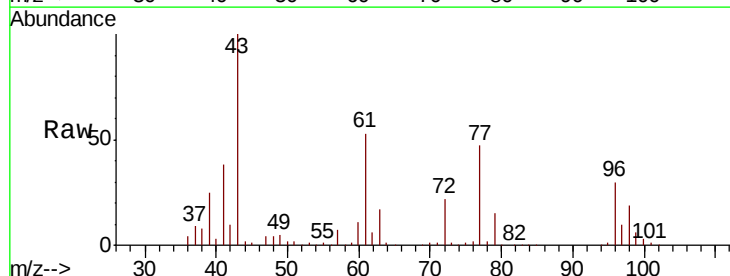
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

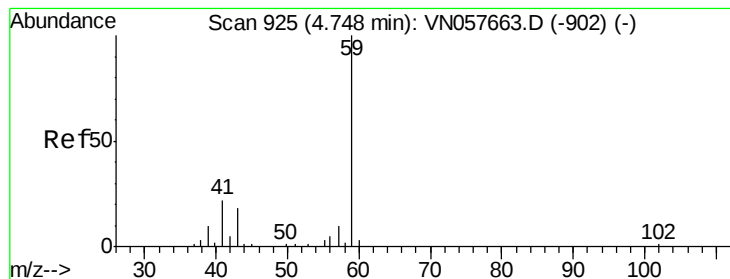
Tgt Ion: 63 Resp: 1170338
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 7.8
 100 3.7 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 158.034 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 96 Resp: 642623
 Ion Ratio Lower Upper
 96 100
 61 175.0 137.2 205.8
 98 64.5 50.5 75.7



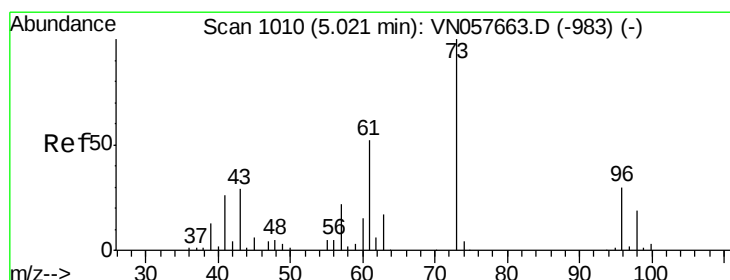
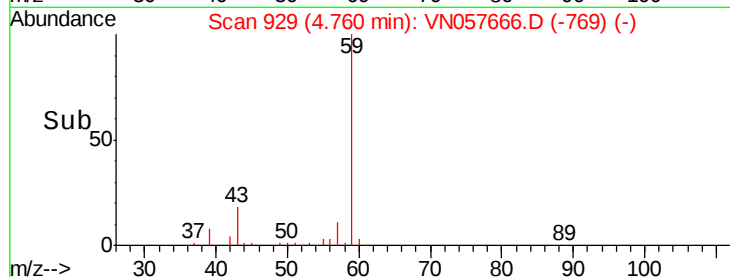
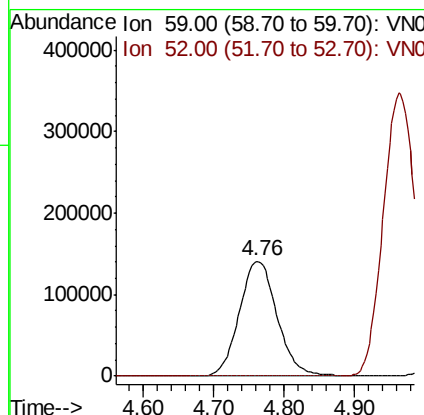
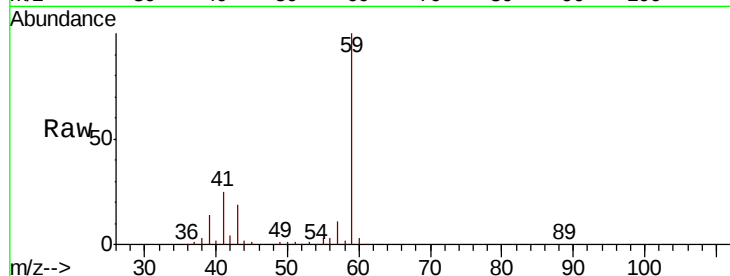


#23

tert-Butyl Alcohol
 Concen: 1176.216 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

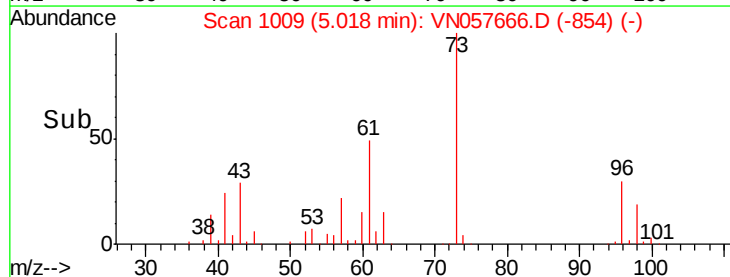
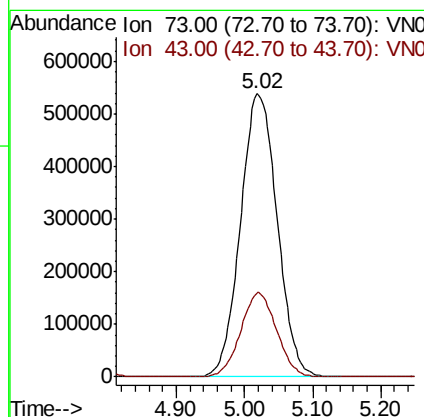
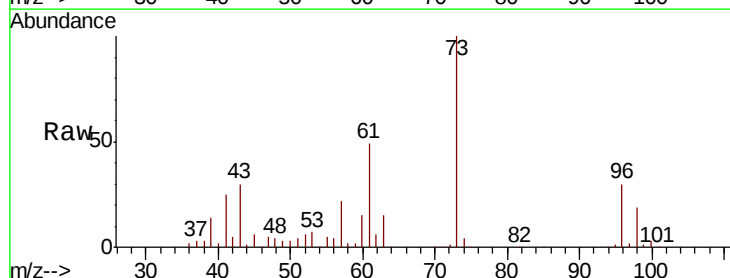
Tgt Ion: 59 Resp: 526939
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

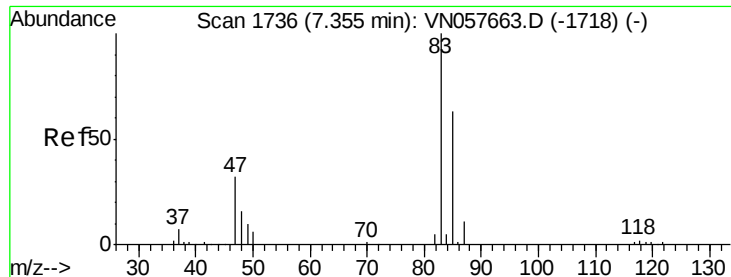


#24

Methyl tert-Butyl Ether
 Concen: 195.623 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 73 Resp: 2009917
 Ion Ratio Lower Upper
 73 100
 43 29.0 23.2 34.8

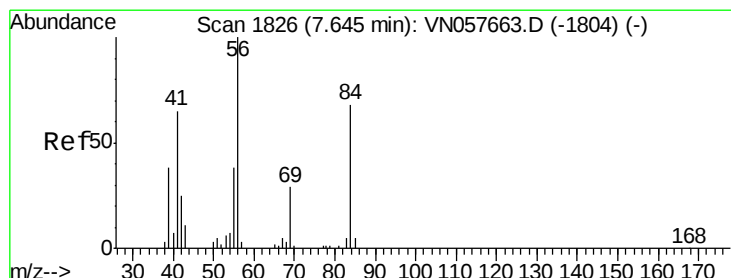
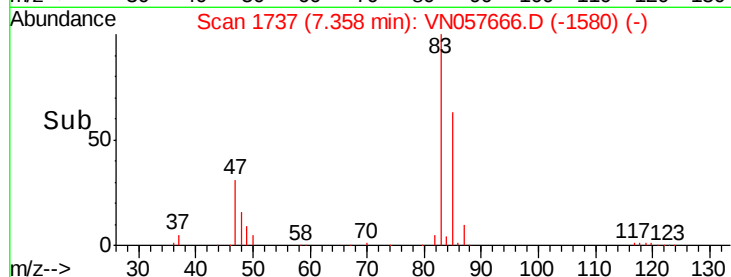
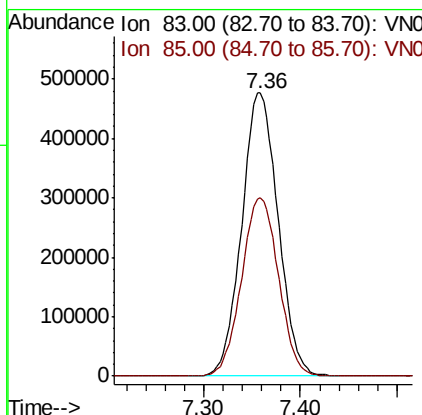
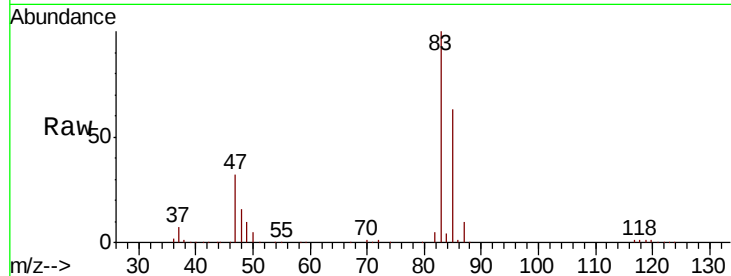




#25
Chloroform
Concen: 174.534 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

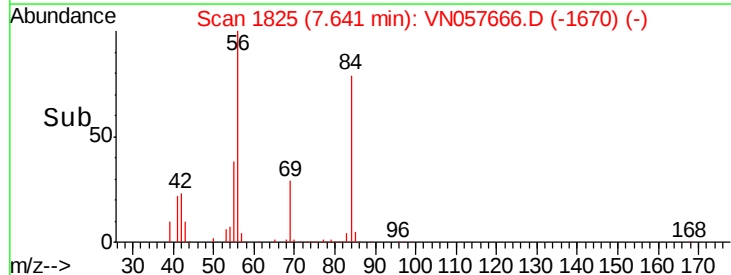
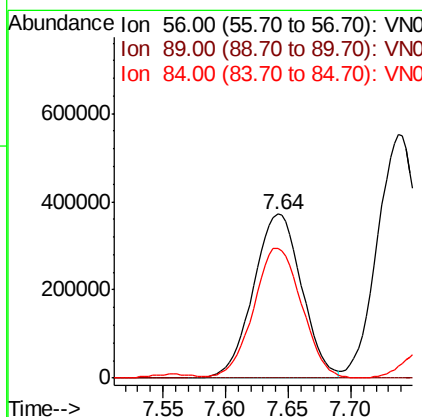
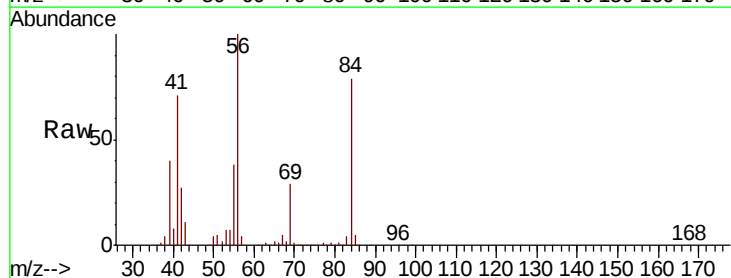
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

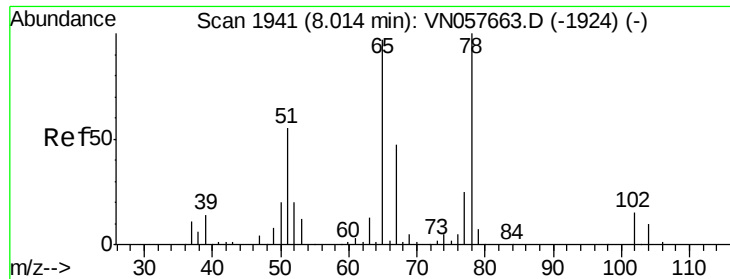
Tgt Ion: 83 Resp: 1243913
Ion Ratio Lower Upper
83 100
85 63.0 50.8 76.2



#26
Cyclohexane
Concen: 197.147 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 56 Resp: 998845
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 79.1 60.4 90.6





#27

1,2-Dichloroethane-d4

Concen: 37.791 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

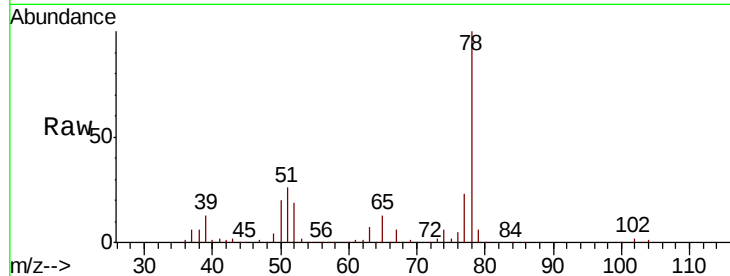
VSTDIC150

Tgt Ion: 65 Resp: 185129

Ion Ratio Lower Upper

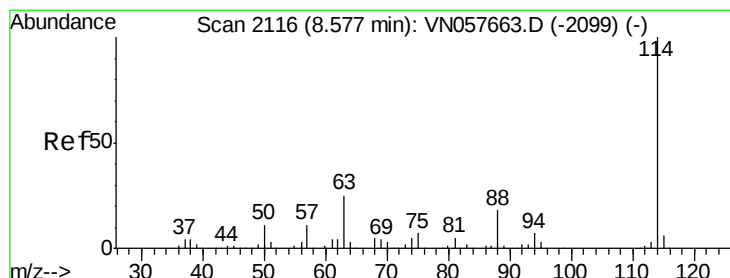
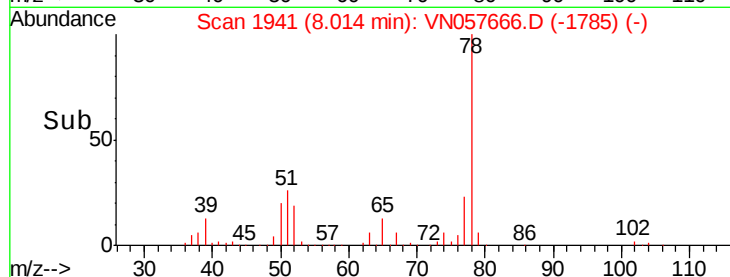
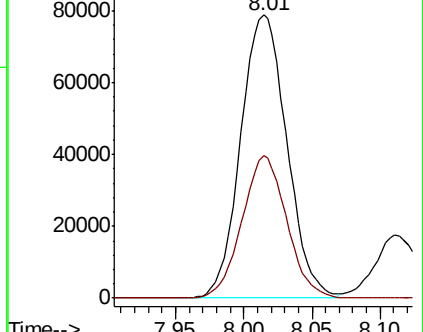
65 100

67 48.8 38.6 57.8



Abundance Ion 65.00 (64.70 to 65.70): VN057666.D (-1924) (-)

Ion 67.00 (66.70 to 67.70): VN057666.D (-1924) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

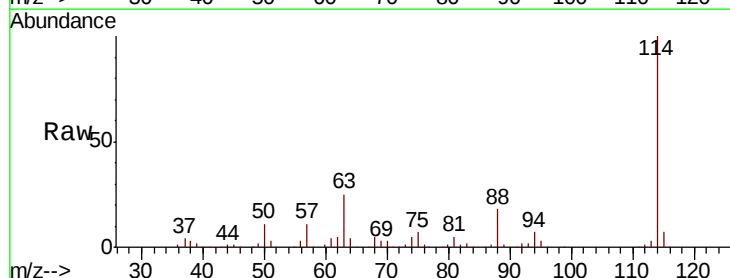
Tgt Ion: 114 Resp: 360164

Ion Ratio Lower Upper

114 100

63 25.4 20.6 30.8

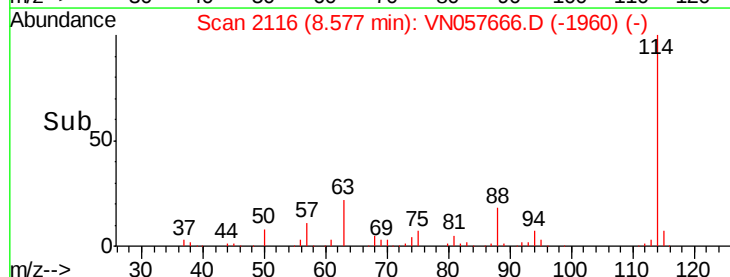
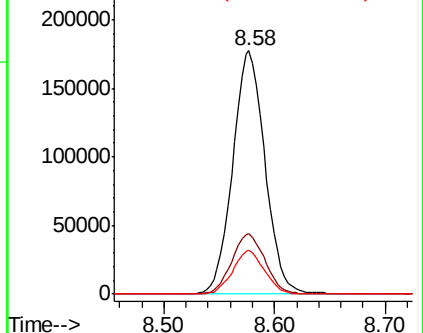
88 17.7 14.3 21.5

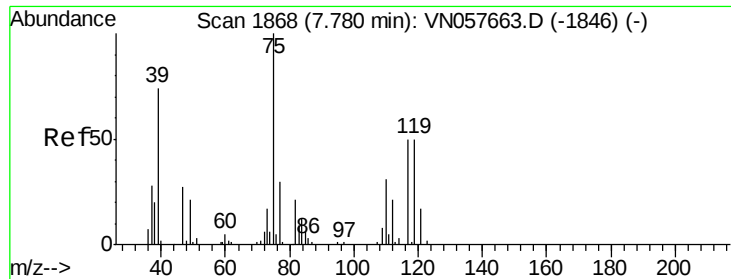


Abundance Ion 114.00 (113.70 to 114.70): VN057666.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057666.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057666.D (-2099) (-)

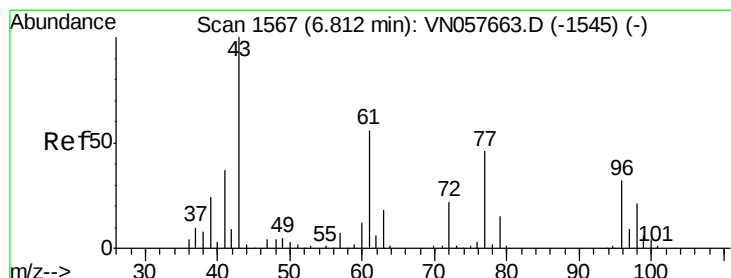
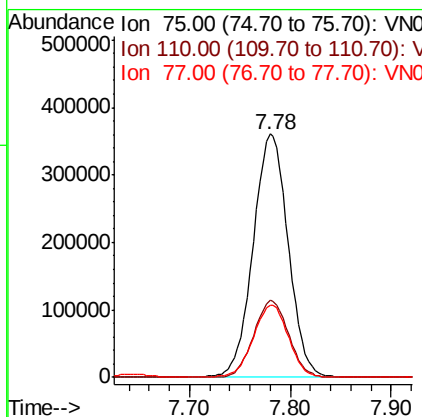
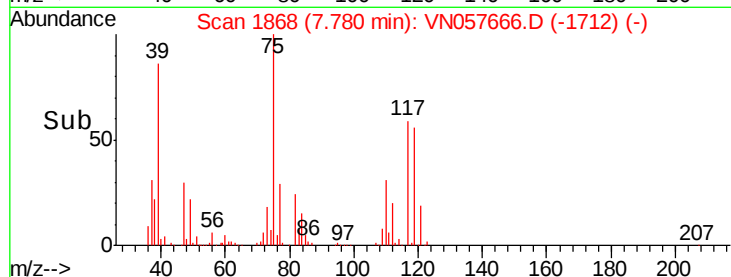
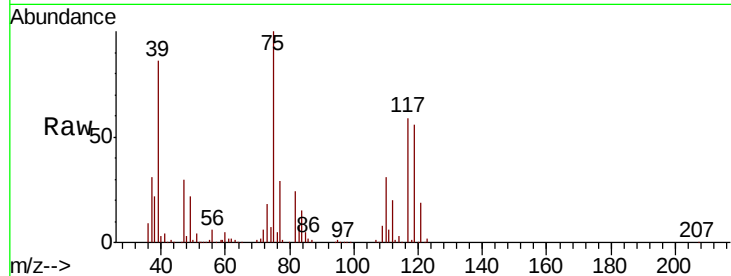




#29
 1,1-Dichloropropene
 Concen: 173.828 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

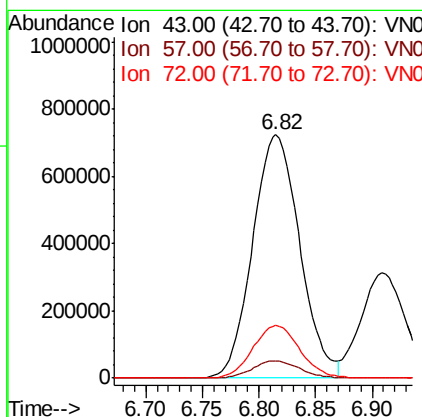
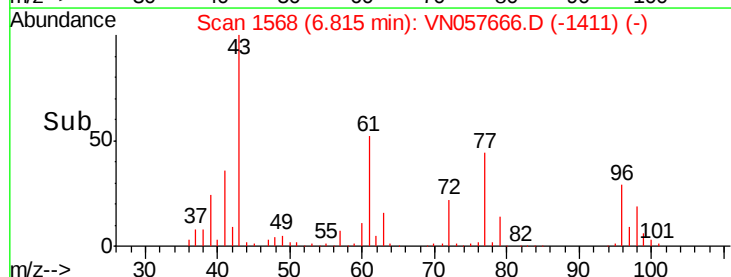
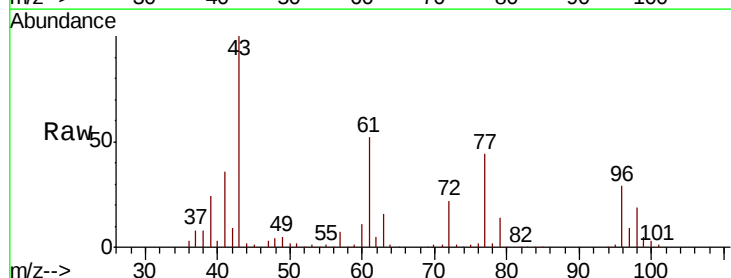
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

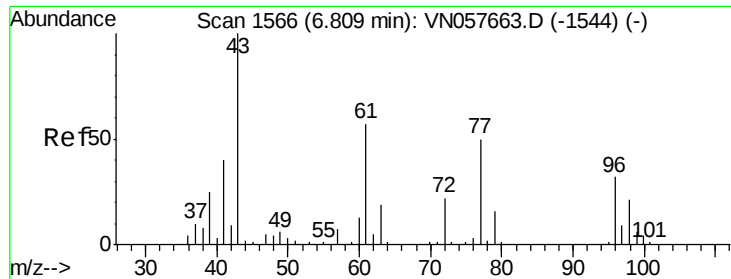
Tgt Ion: 75 Resp: 870160
 Ion Ratio Lower Upper
 75 100
 110 31.4 0.0 62.8
 77 30.0 0.0 57.8



#30
 2-Butanone
 Concen: 1187.080 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 2091901
 Ion Ratio Lower Upper
 43 100
 57 7.1 2.6 3.8#
 72 21.8 18.1 27.1





#31

2,2-Dichloropropane

Concen: 183.213 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

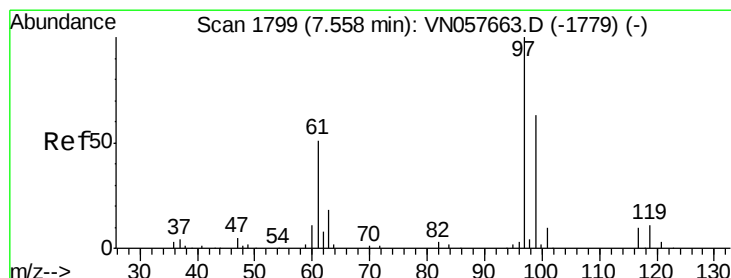
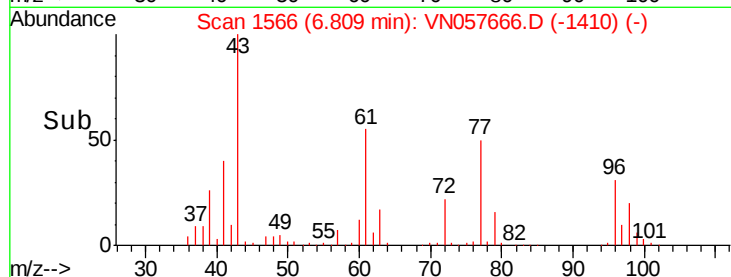
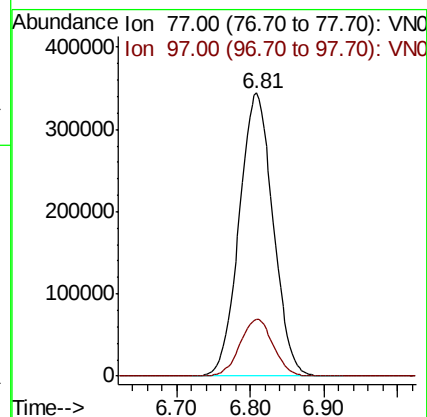
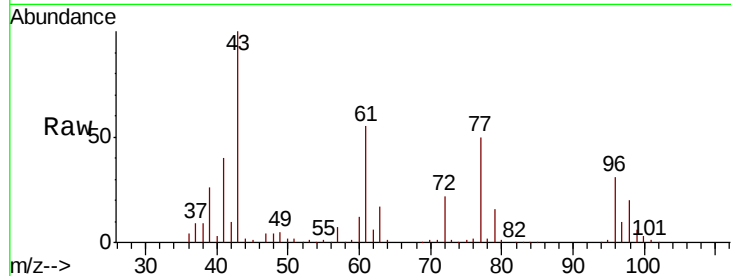
VSTDIC150

Tgt Ion: 77 Resp: 1098592

Ion Ratio Lower Upper

77 100

97 19.8 8.8 13.2#



#32

1,1,1-Trichloroethane

Concen: 171.259 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

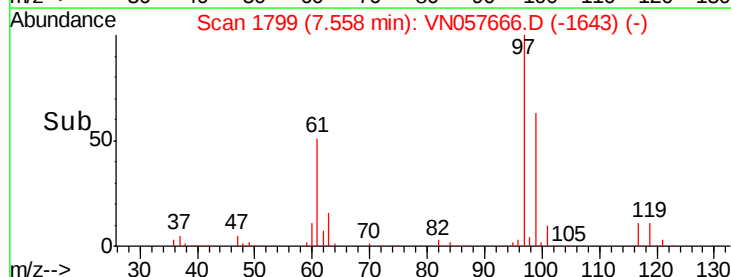
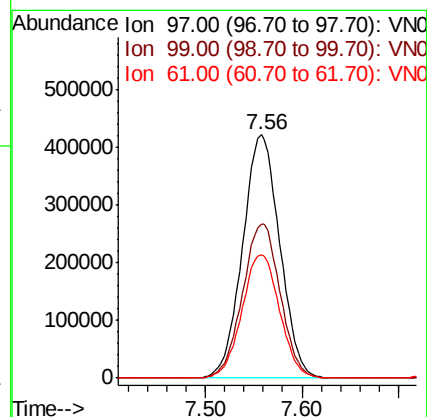
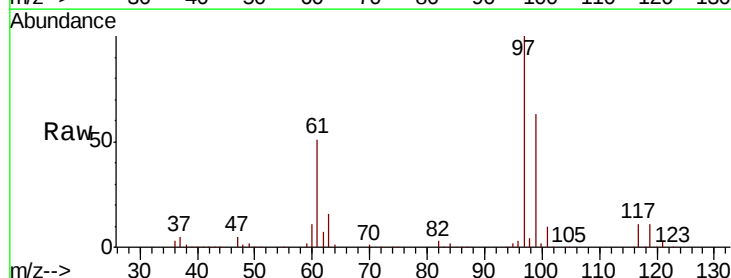
Tgt Ion: 97 Resp: 1124800

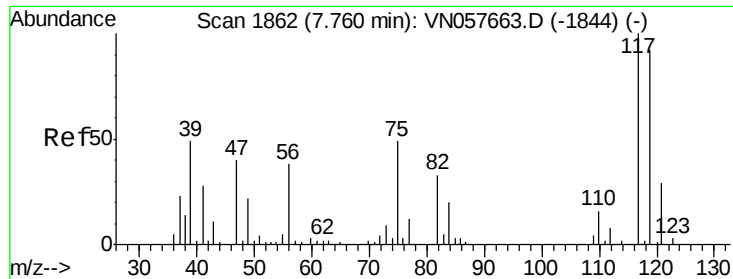
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

61 51.5 41.4 62.0





#33

Carbon Tetrachloride

Concen: 168.728 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

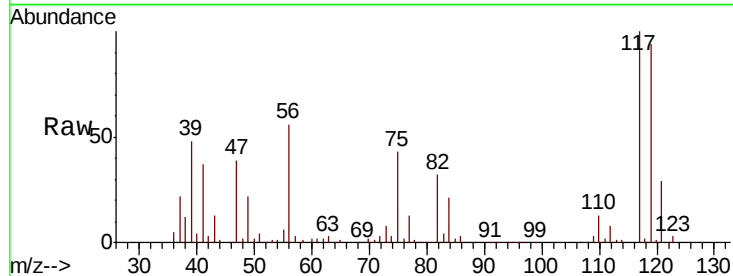
Tgt Ion:117 Resp: 932387

Ion Ratio Lower Upper

117 100

119 93.6 73.3 109.9

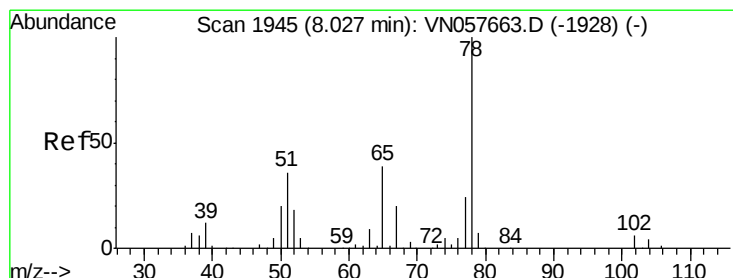
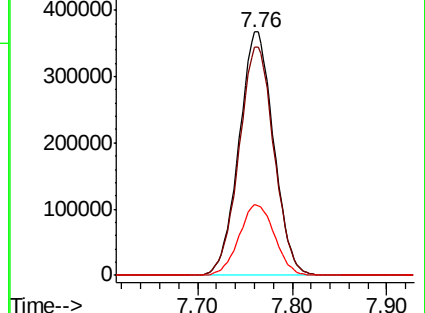
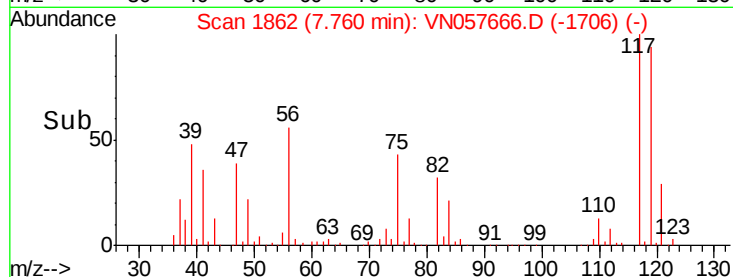
121 29.1 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 165.889 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

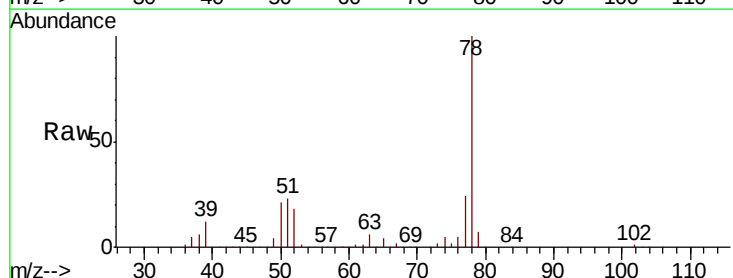
Tgt Ion: 78 Resp: 2463863

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2

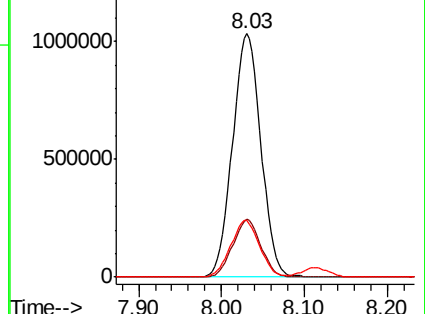
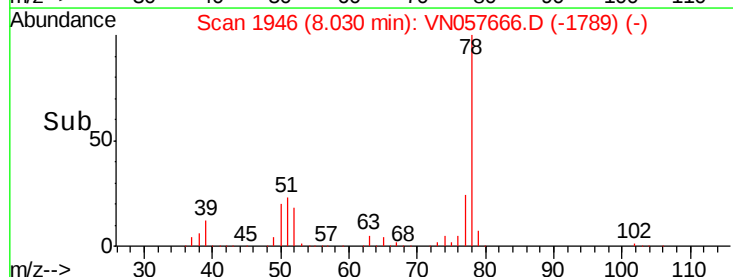
51 23.2 29.0 43.6#

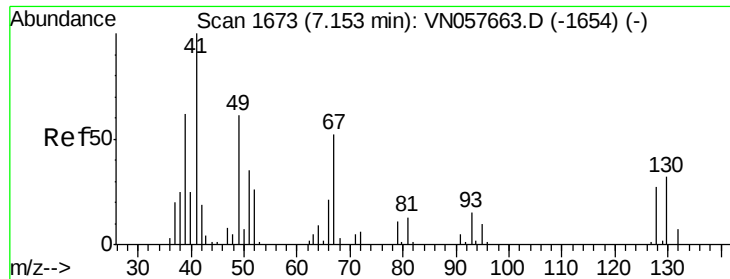


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

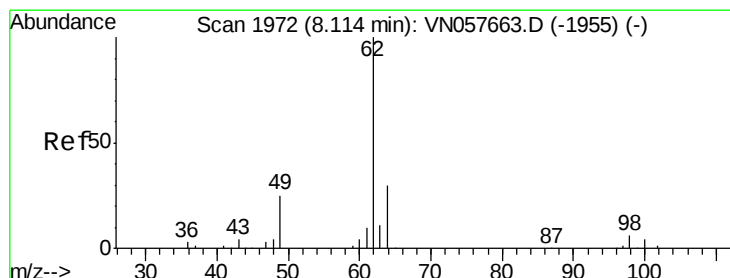
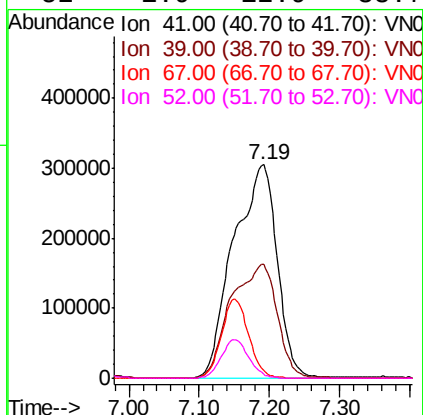
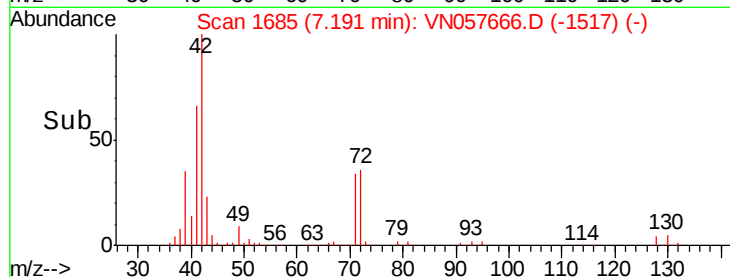
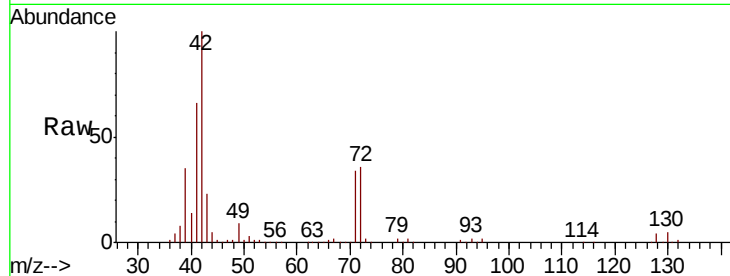




#35
Methacrylonitrile
Concen: 778.188 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

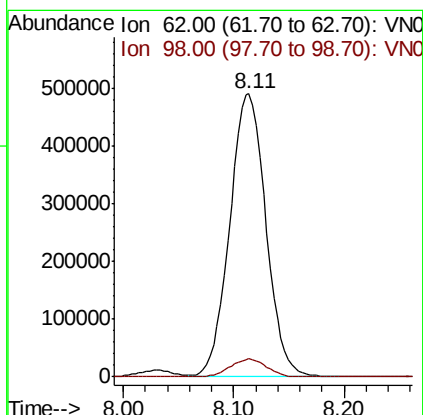
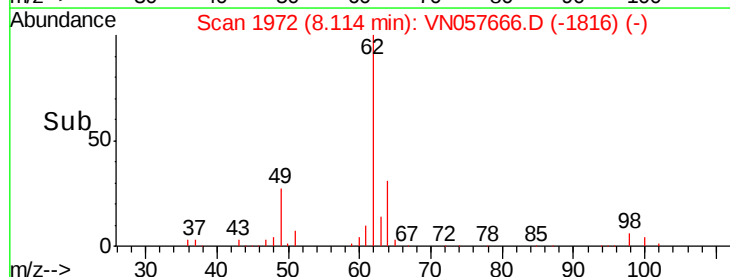
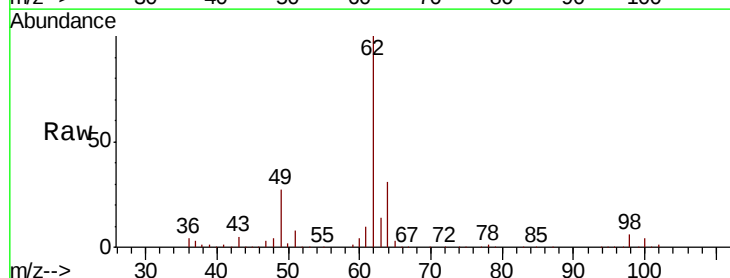
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

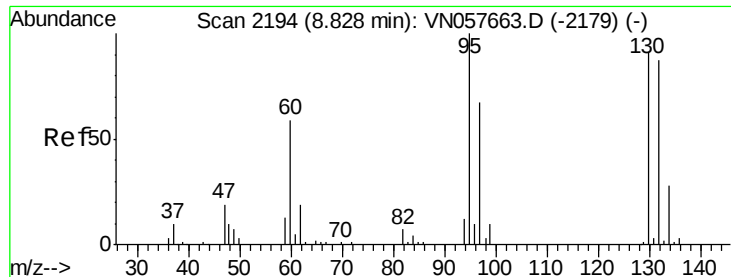
Tgt Ion: 41 Resp: 1311971
Ion Ratio Lower Upper
41 100
39 53.1 31.0 93.0
67 3.6 25.9 77.7#
52 1.9 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 196.581 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 62 Resp: 1112241
Ion Ratio Lower Upper
62 100
98 6.4 0.0 0.0#

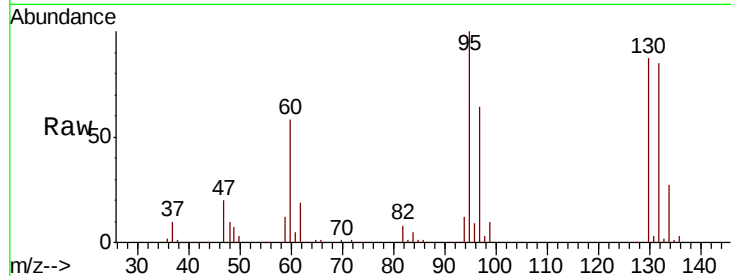




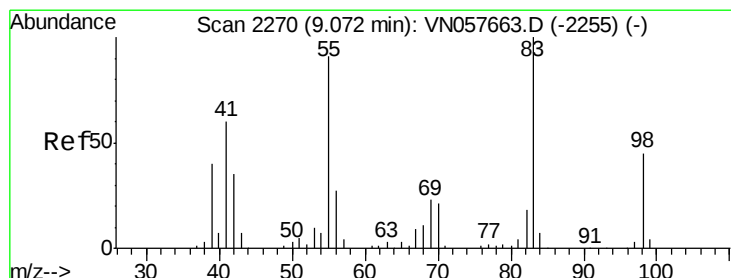
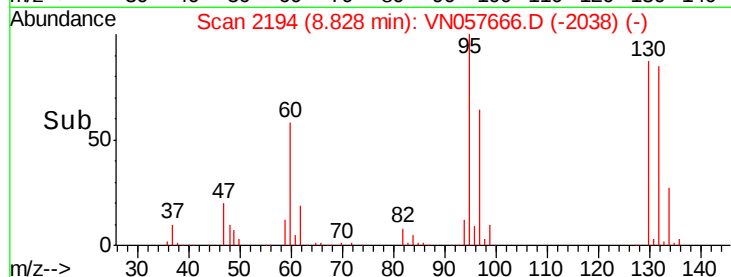
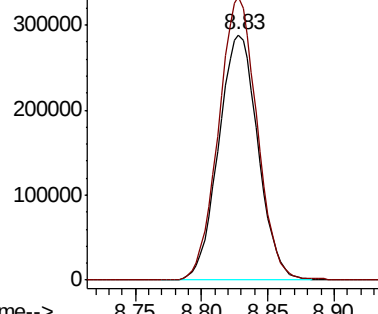
#37
 Trichloroethene
 Concen: 144.327 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 130 Resp: 596904
 Ion Ratio Lower Upper
 130 100
 95 115.2 87.5 131.3

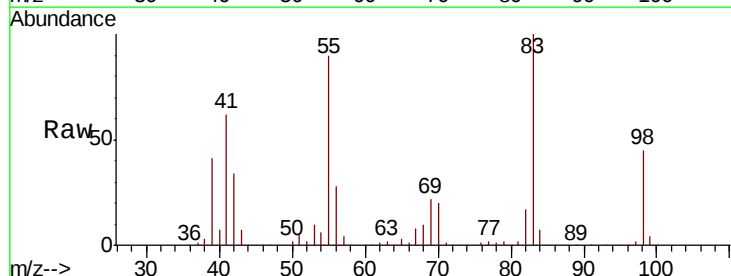


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

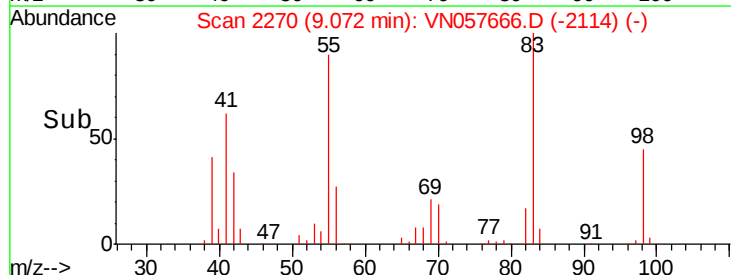
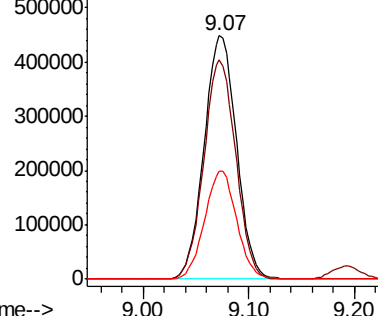


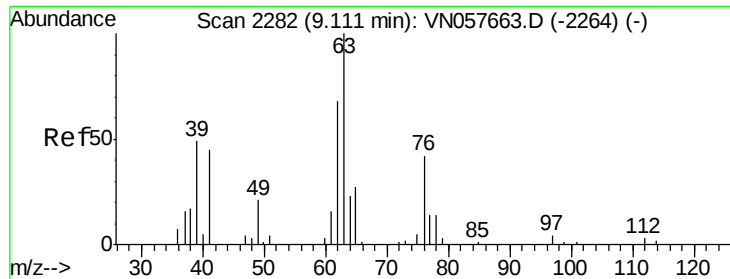
#38
 Methylcyclohexane
 Concen: 160.938 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 83 Resp: 955175
 Ion Ratio Lower Upper
 83 100
 55 88.6 45.1 135.3
 98 44.0 22.5 67.5



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

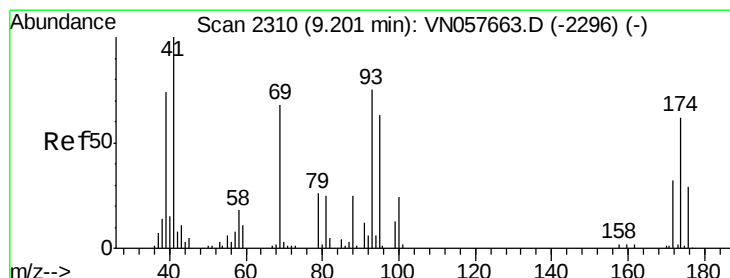
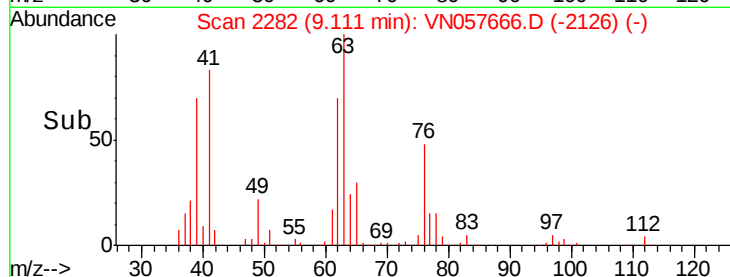
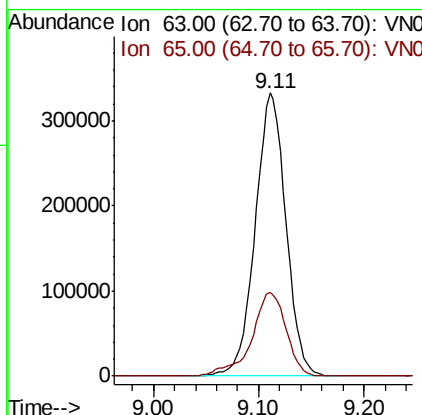
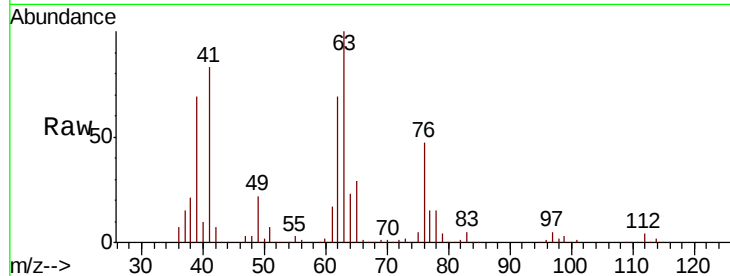




#39
 1,2-Dichloropropane
 Concen: 180.686 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

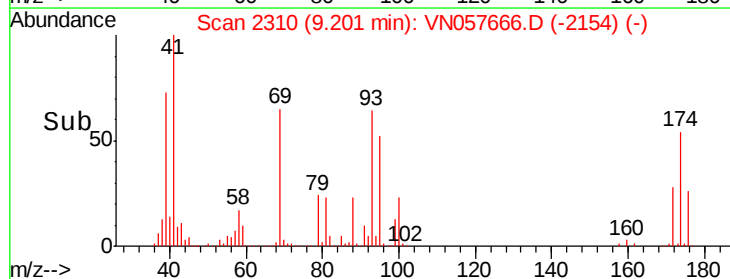
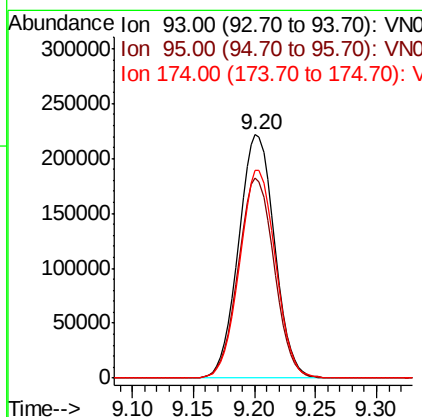
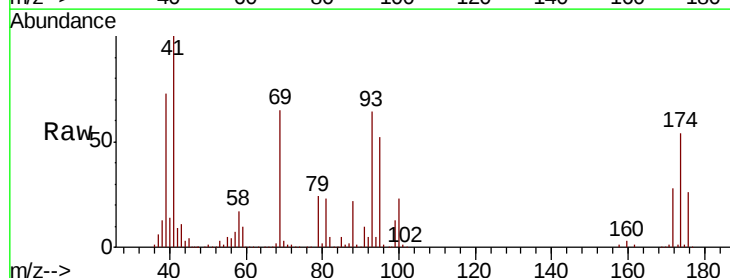
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

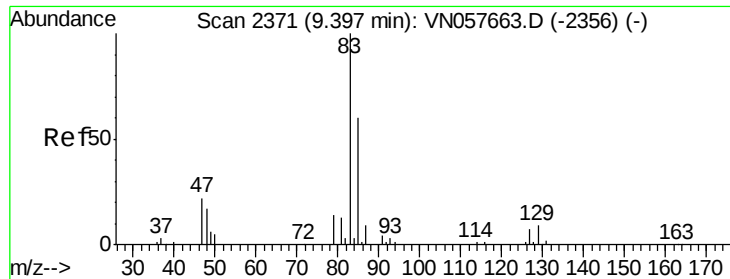
Tgt Ion: 63 Resp: 675318
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.2 33.2



#40
 Dibromomethane
 Concen: 164.148 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 93 Resp: 451500
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 168.2
 174 85.4 0.0 169.2





#41

Bromodichloromethane

Concen: 181.041 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

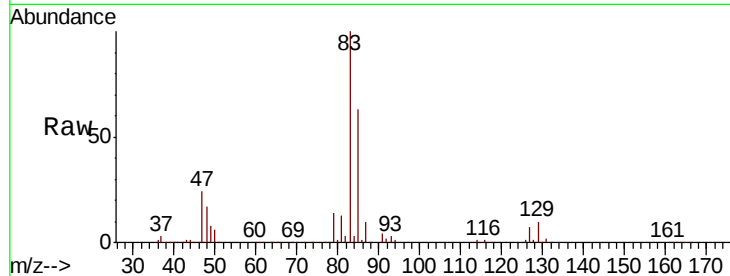
Tgt Ion: 83 Resp: 1029477

Ion Ratio Lower Upper

83 100

85 63.3 48.2 72.4

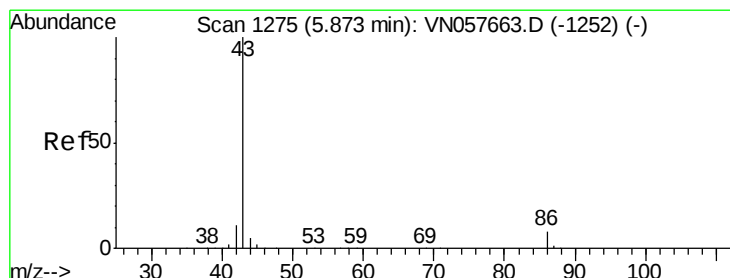
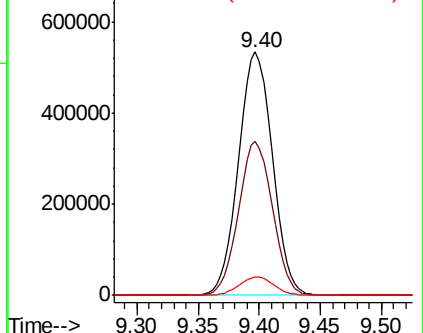
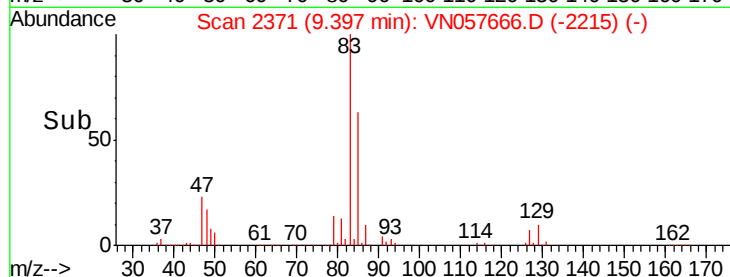
127 7.5 5.3 7.9



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 1017.884 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057666.D

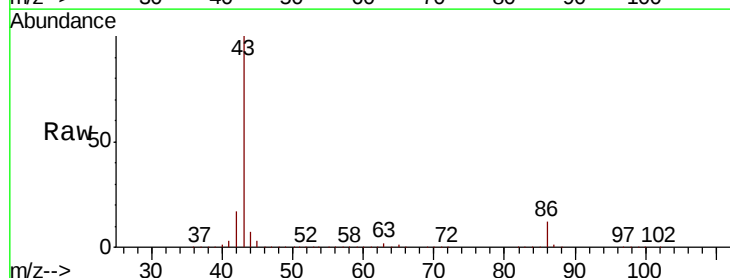
Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 8048098

Ion Ratio Lower Upper

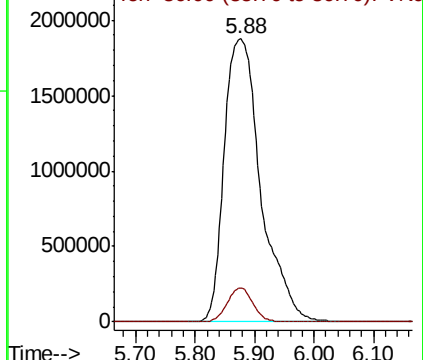
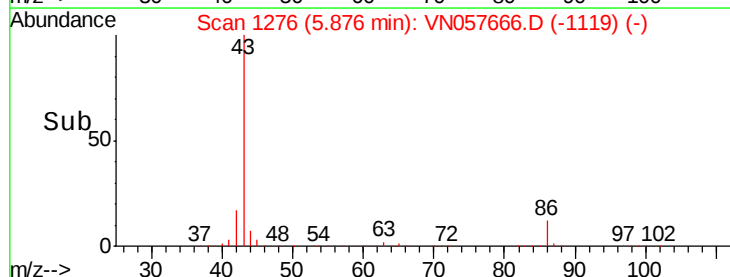
43 100

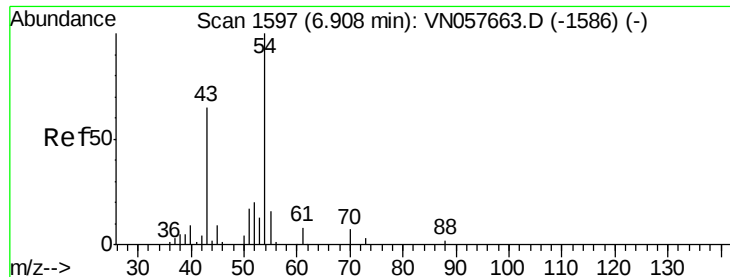
86 8.4 5.4 8.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

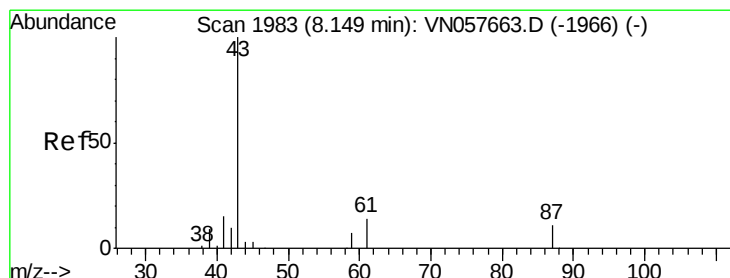
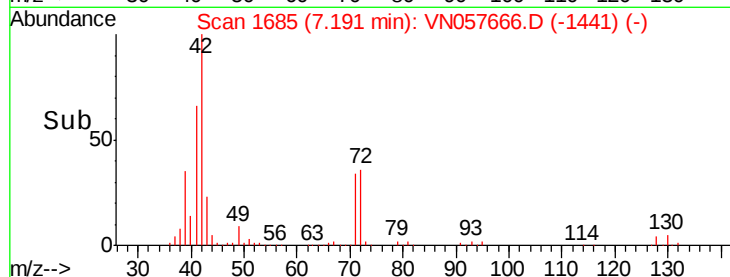
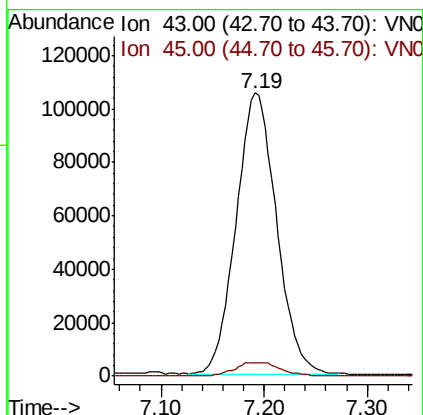
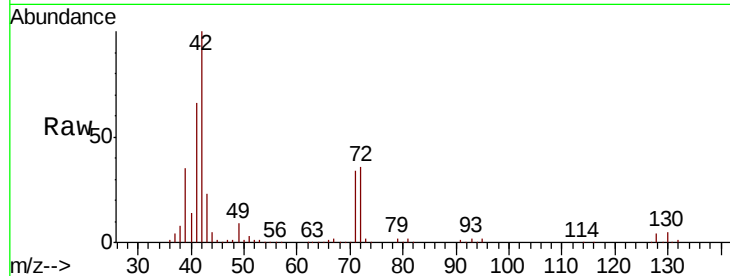




#43
Ethyl Acetate
Concen: 83.327 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.28 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

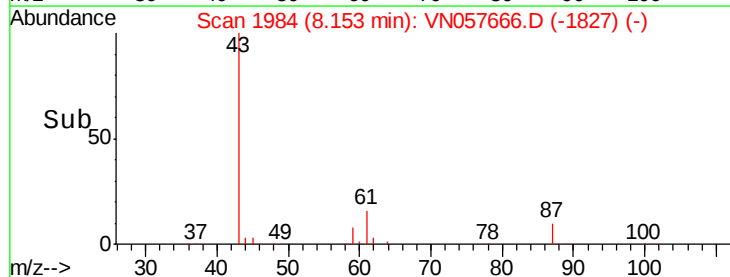
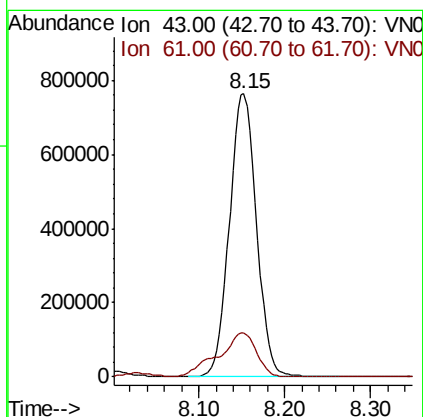
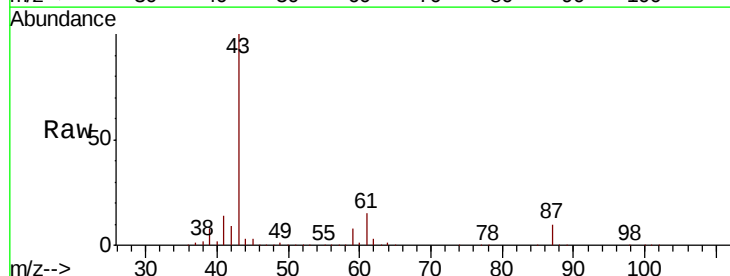
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

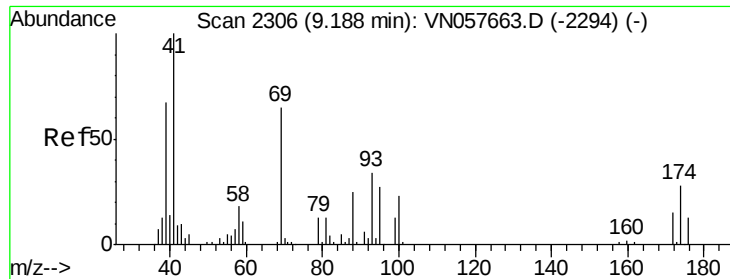
Tgt Ion: 43 Resp: 285179
Ion Ratio Lower Upper
43 100
45 5.6 5.0 7.6



#44
Isopropyl Acetate
Concen: 243.571 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 1661327
Ion Ratio Lower Upper
43 100
61 22.3 12.6 18.8#

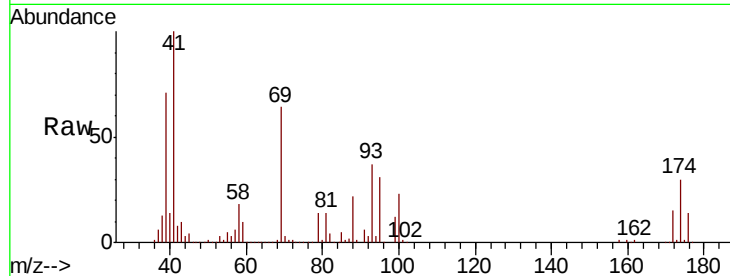




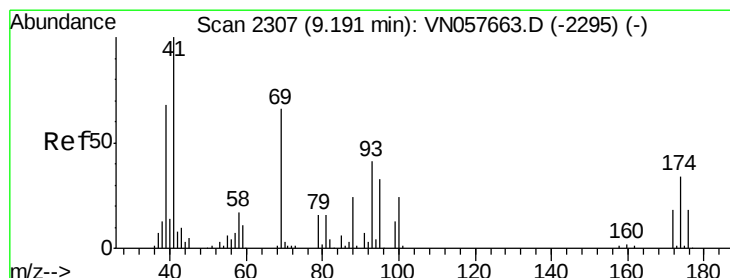
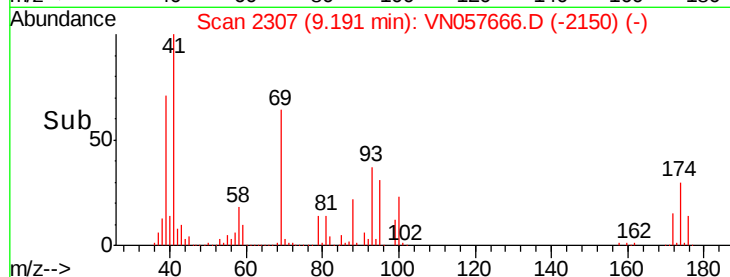
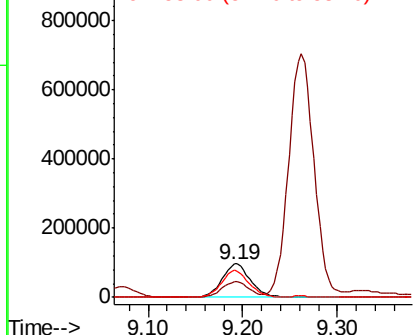
#45
 1,4-Dioxane
 Concen: 3685.036 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 202192
 Ion Ratio Lower Upper
 88 100
 43 44.8 31.0 46.4
 58 78.3 58.2 87.2

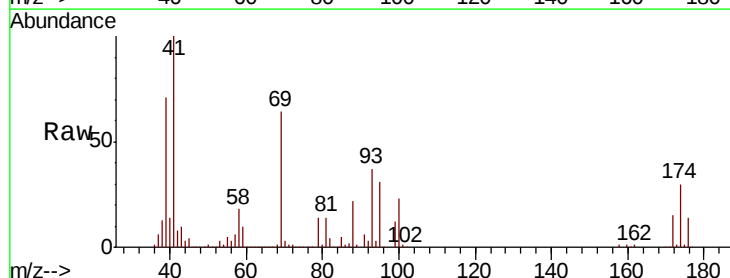


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

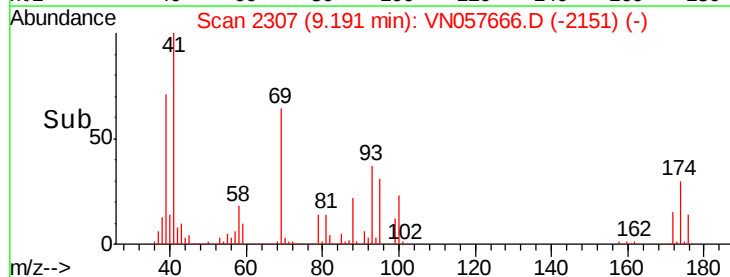
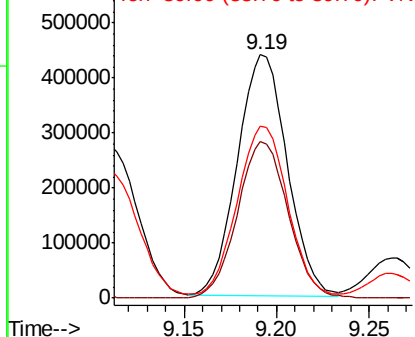


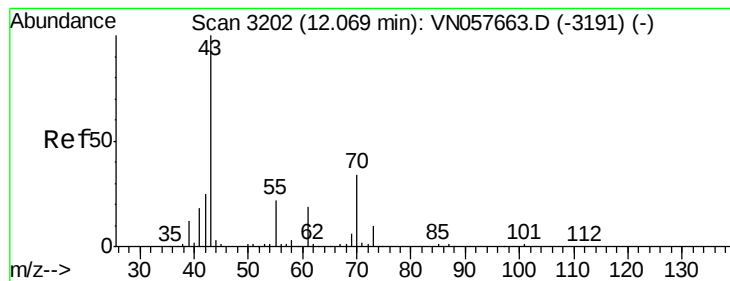
#46
 Methyl methacrylate
 Concen: 258.593 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 41 Resp: 817834
 Ion Ratio Lower Upper
 41 100
 69 64.7 33.1 99.2
 39 70.0 34.0 102.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amy1 Acetate

Concen: 259.075 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

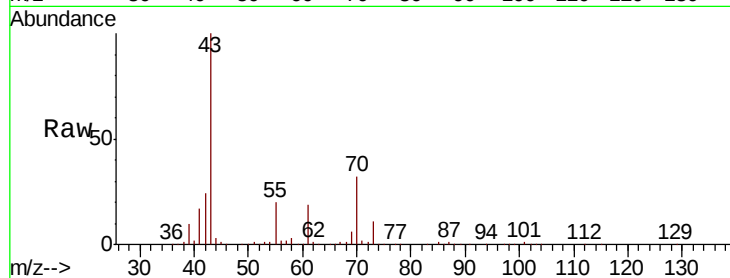
VSTDIC150

Tgt Ion: 43 Resp: 1407578

Ion Ratio Lower Upper

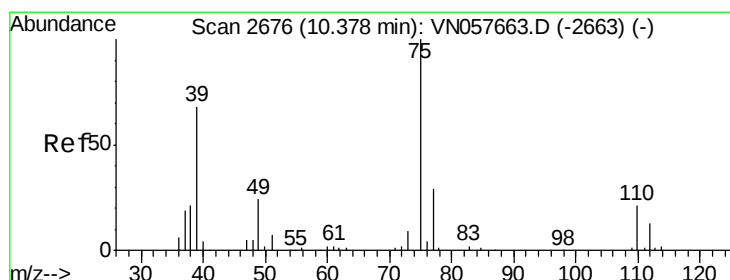
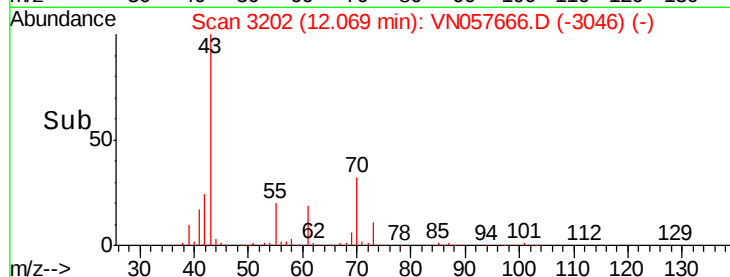
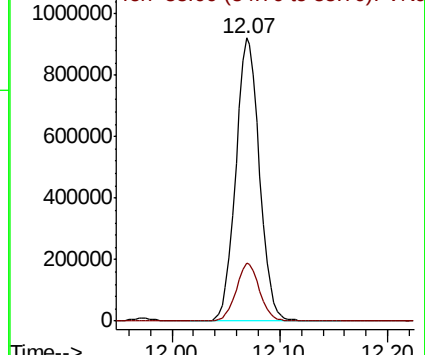
43 100

55 20.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 192.938 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057666.D

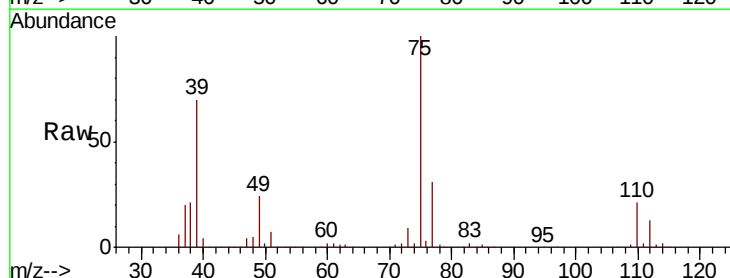
Acq: 3 Sep 2019 16:21

Tgt Ion: 75 Resp: 1108411

Ion Ratio Lower Upper

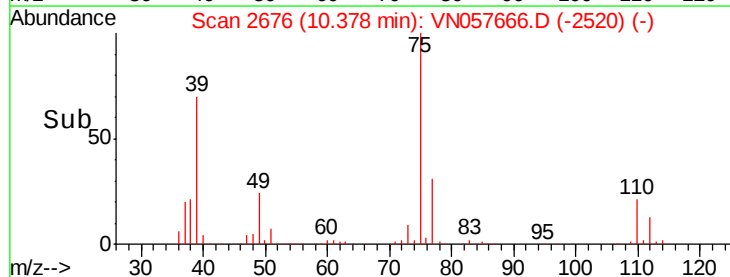
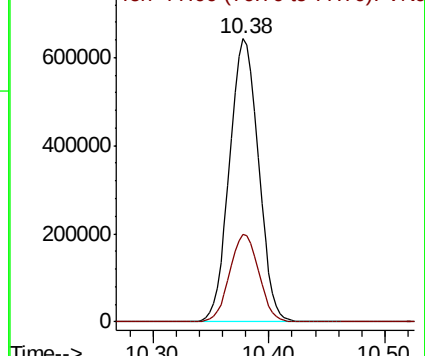
75 100

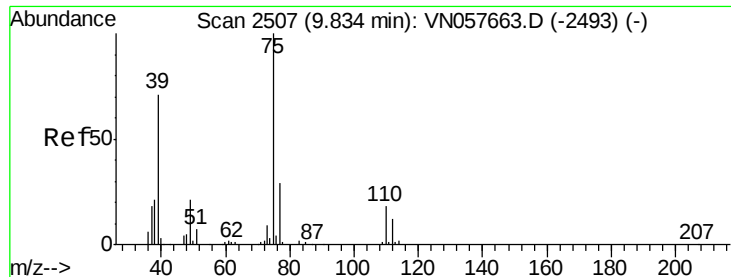
77 30.8 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



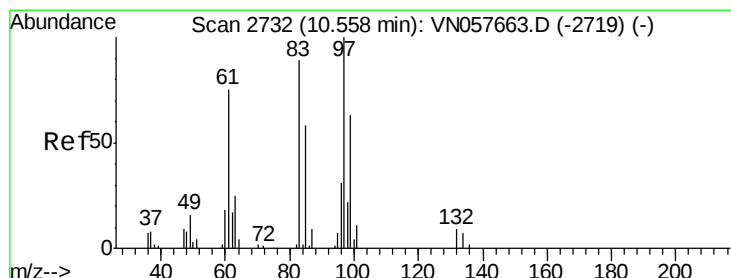
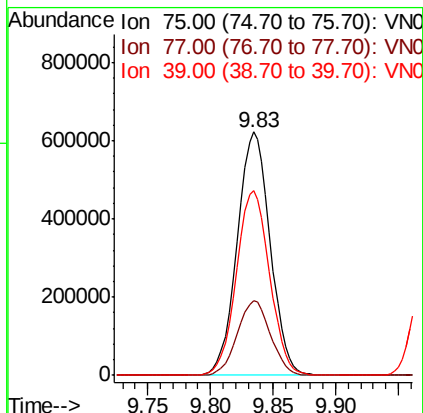
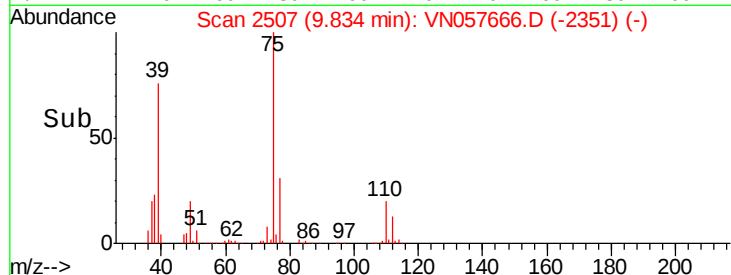
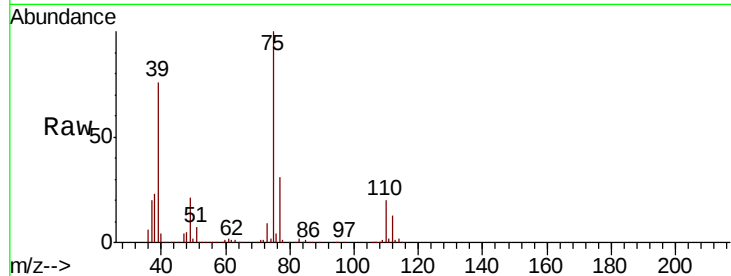


#49

cis-1,3-Dichloropropene
 Concen: 183.559 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

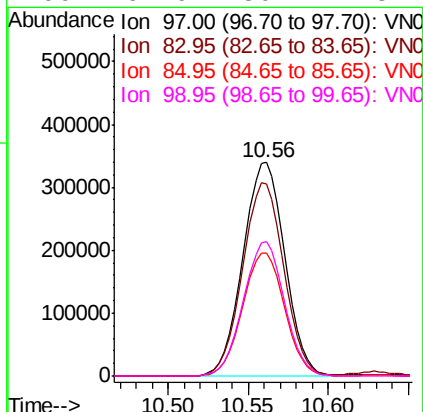
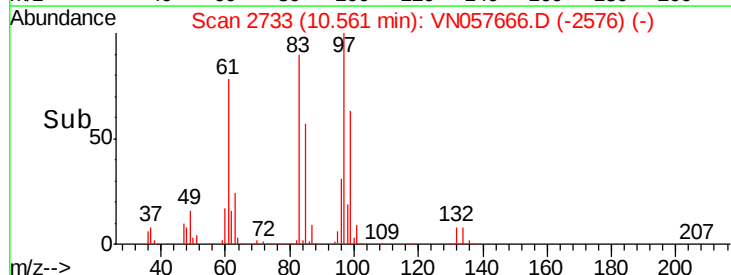
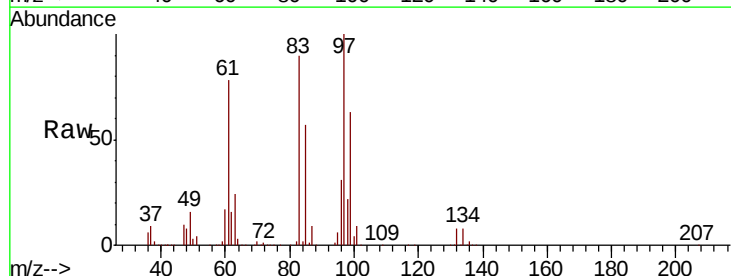
Tgt Ion: 75 Resp: 1137626
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.4 35.2
 39 76.1 56.6 85.0

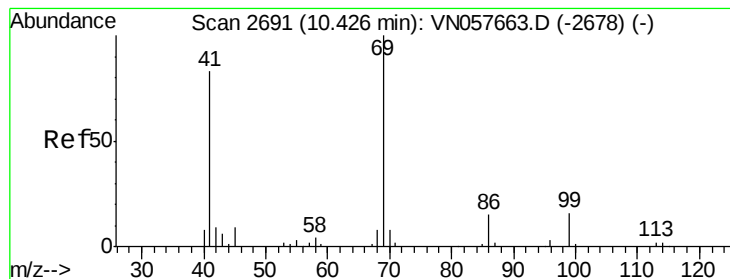


#50

1,1,2-Trichloroethane
 Concen: 154.644 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 97 Resp: 607548
 Ion Ratio Lower Upper
 97 100
 83 89.9 71.4 107.2
 85 57.3 46.0 69.0
 99 62.9 50.2 75.2





#51

Ethyl methacrylate

Concen: 199.027 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

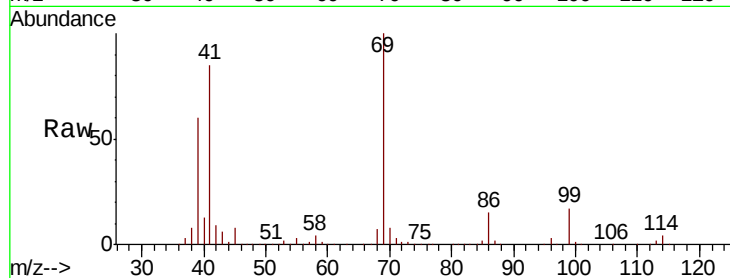
Tgt Ion: 69 Resp: 1057307

Ion Ratio Lower Upper

69 100

41 84.8 41.5 124.5

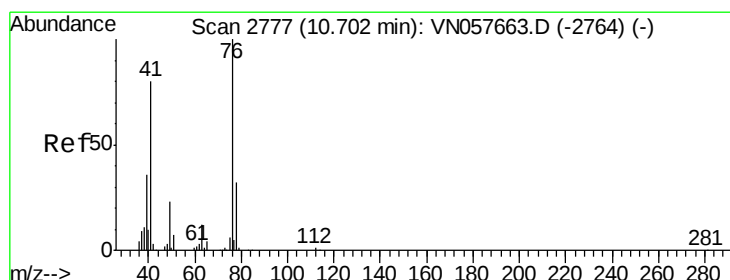
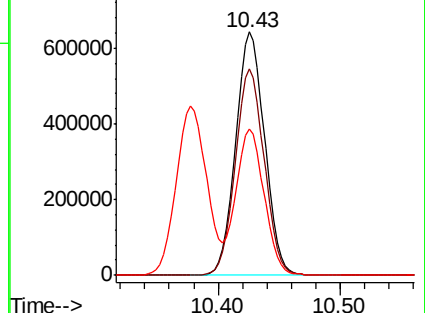
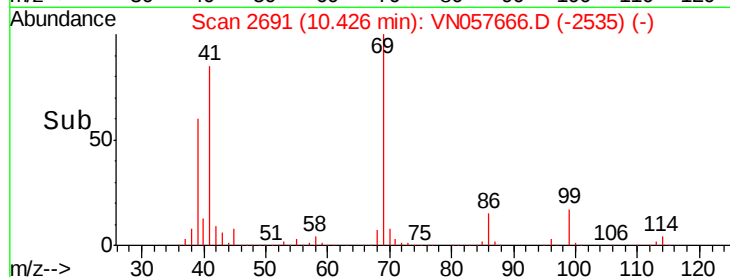
39 60.1 29.6 88.9



Abundance Ion 69.00 (68.70 to 69.70): VN057666.D (-2535) (-)

Ion 41.00 (40.70 to 41.70): VN057666.D (-2535) (-)

Ion 39.00 (38.70 to 39.70): VN057666.D (-2535) (-)



#52

1,3-Dichloropropane

Concen: 172.358 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057666.D

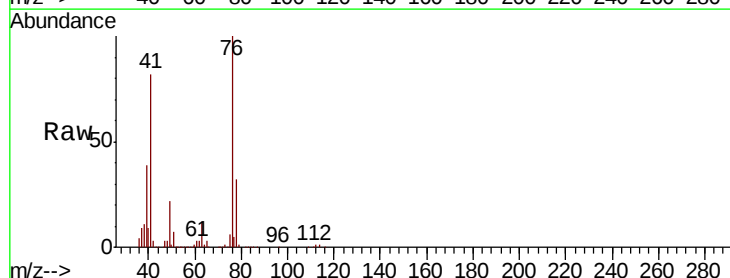
Acq: 3 Sep 2019 16:21

Tgt Ion: 76 Resp: 1077700

Ion Ratio Lower Upper

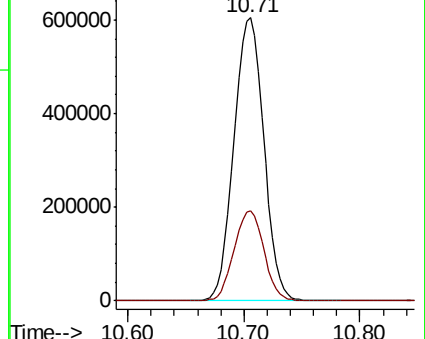
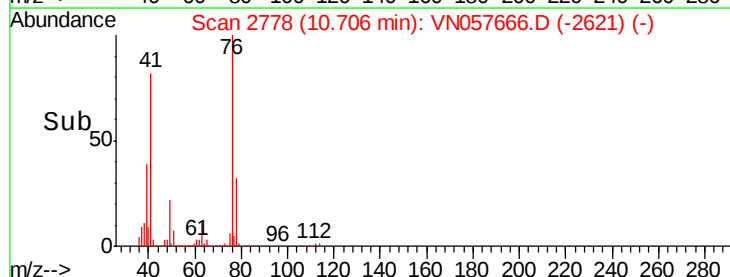
76 100

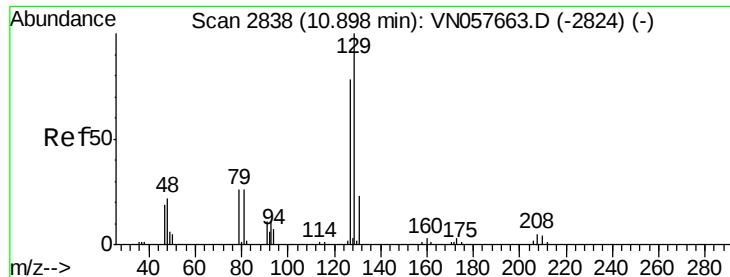
78 31.7 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VN057666.D (-2621) (-)

Ion 78.00 (77.70 to 78.70): VN057666.D (-2621) (-)





#53

Dibromochloromethane

Concen: 163.475 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

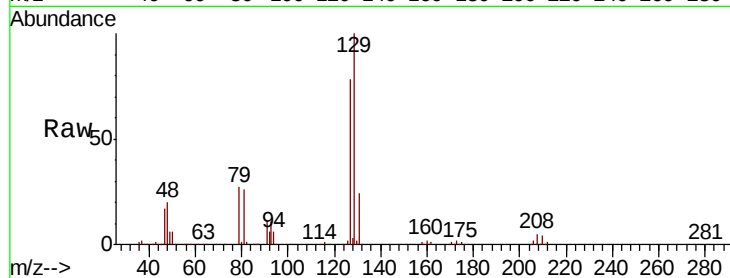
VSTDIC150

Tgt Ion:129 Resp: 708886

Ion Ratio Lower Upper

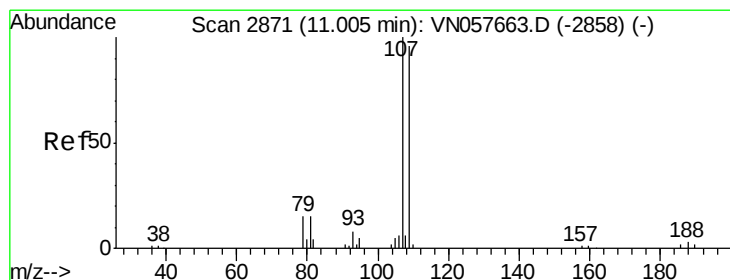
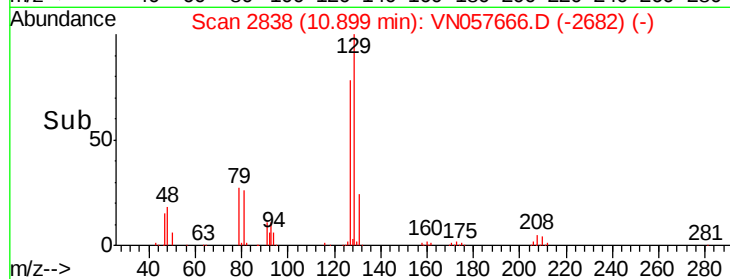
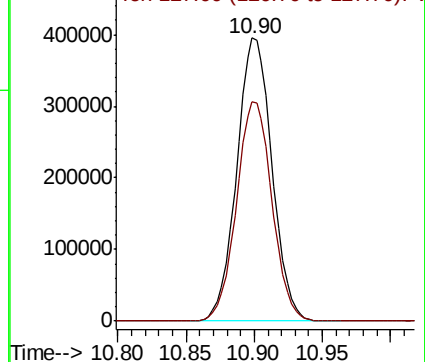
129 100

127 77.9 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 158.547 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057666.D

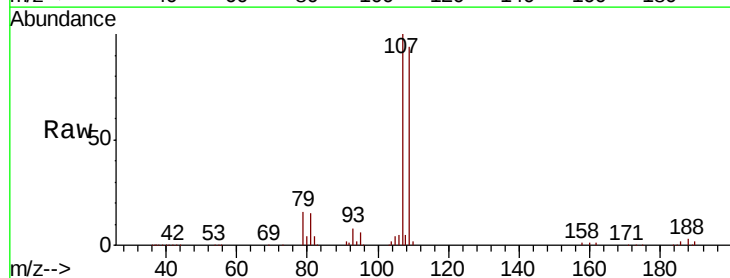
Acq: 3 Sep 2019 16:21

Tgt Ion:107 Resp: 639780

Ion Ratio Lower Upper

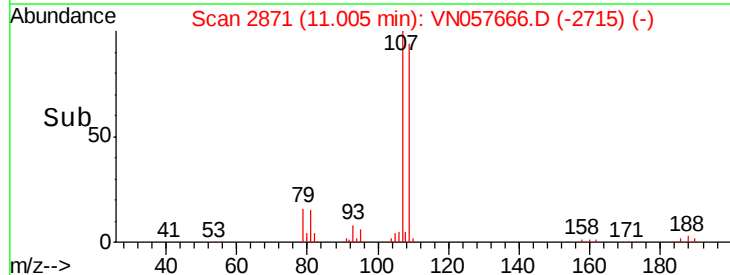
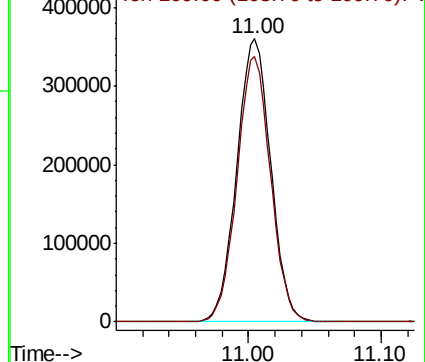
107 100

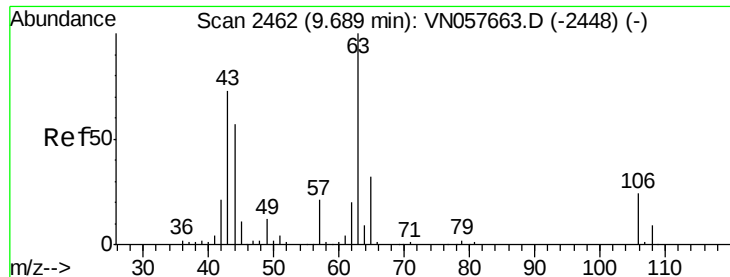
109 92.5 76.2 114.4



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: 1284.024 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

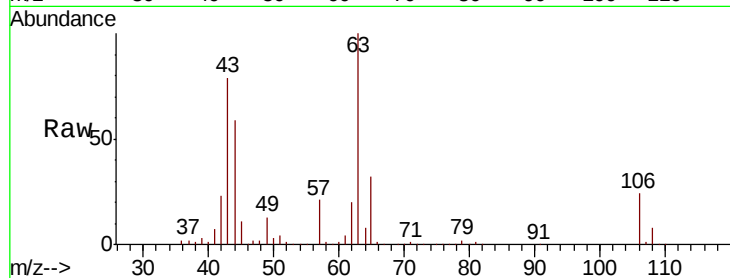
Tgt Ion: 63 Resp: 1762092

Ion Ratio Lower Upper

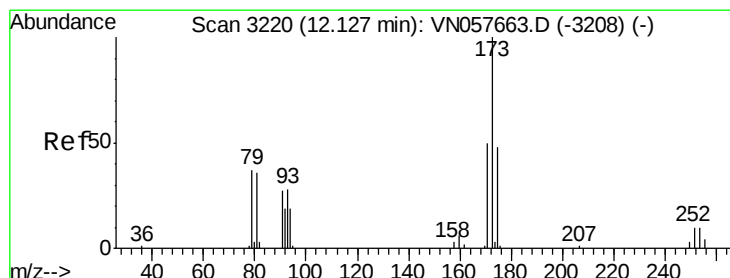
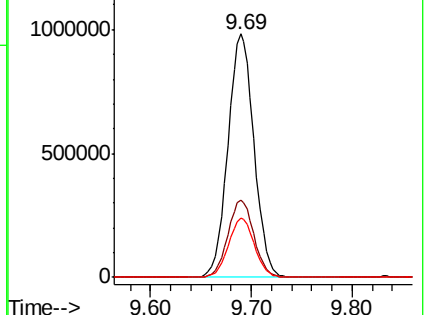
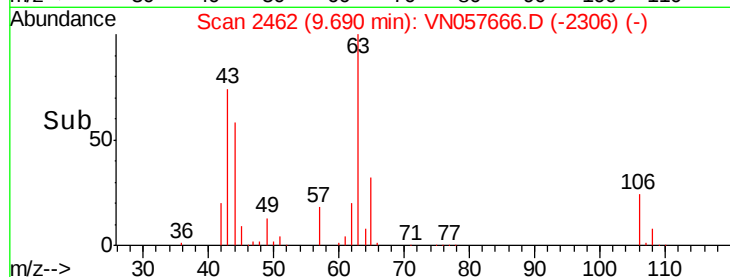
63 100

65 31.6 25.6 38.4

106 24.3 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VN057666.D (-2306) (-)



#56

Bromoform

Concen: 166.556 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

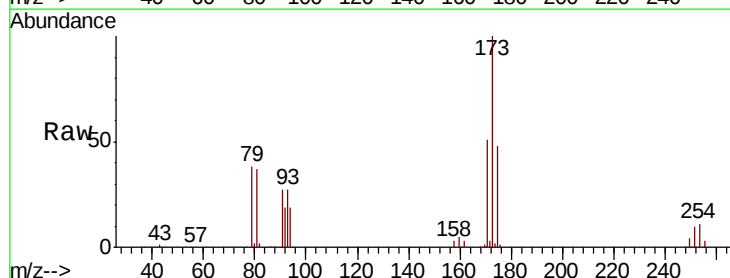
Tgt Ion: 173 Resp: 467600

Ion Ratio Lower Upper

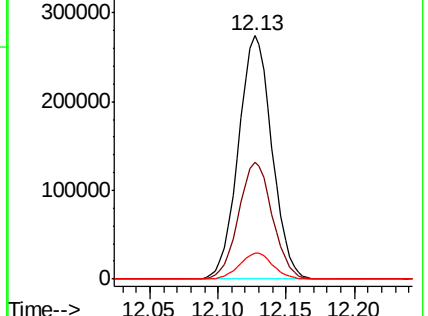
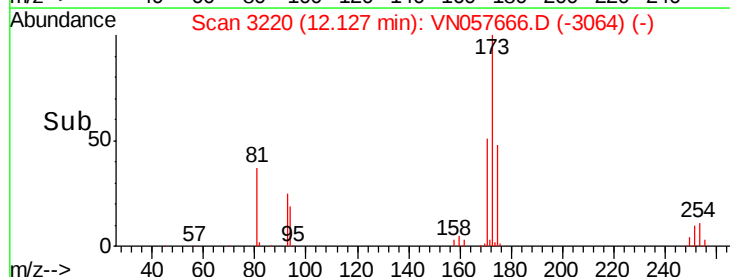
173 100

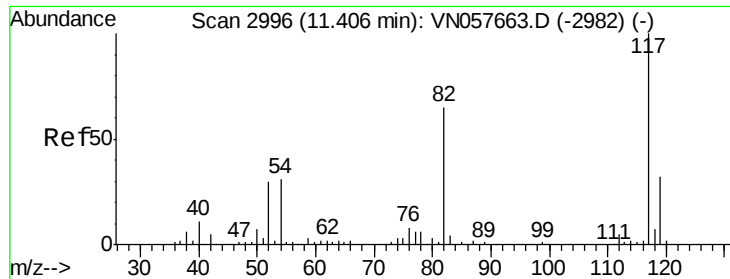
175 48.4 38.8 58.2

254 10.6 7.2 10.8



Abundance Ion 173.00 (172.70 to 173.70): VN057666.D (-3064) (-)

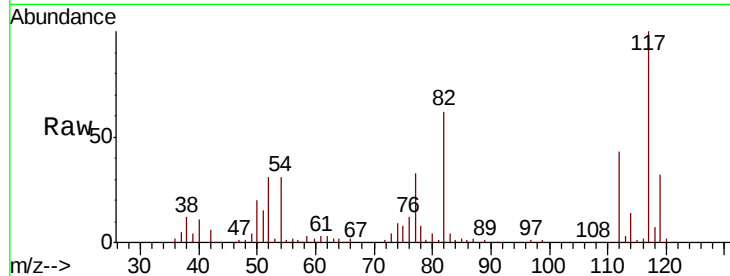




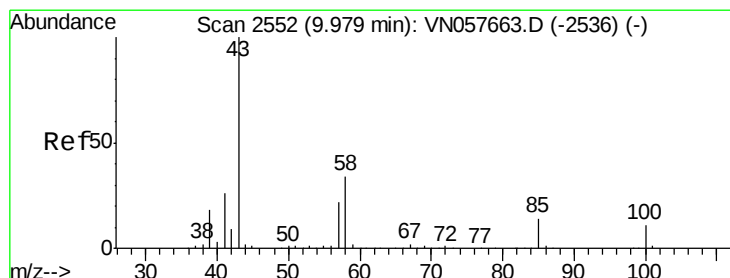
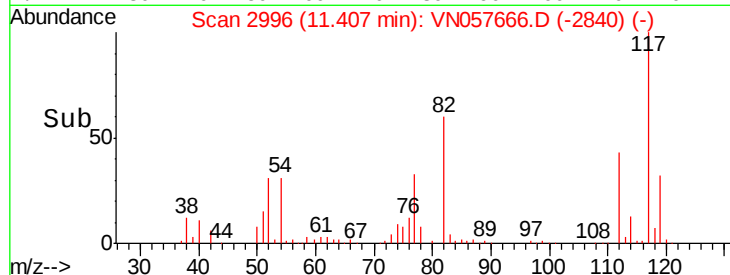
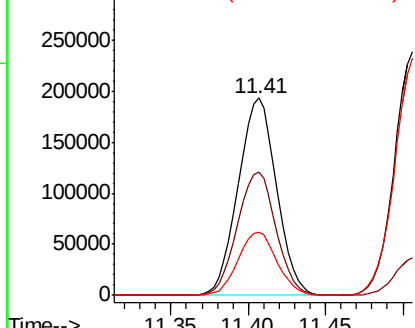
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 333002
Ion Ratio Lower Upper
117 100
82 62.9 51.2 76.8
119 32.4 25.8 38.6

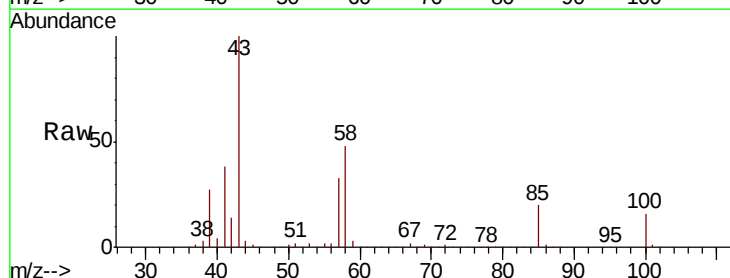


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

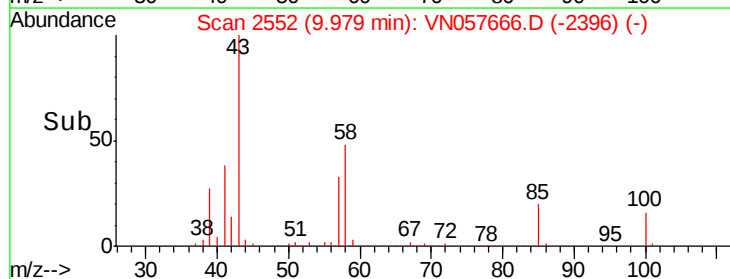
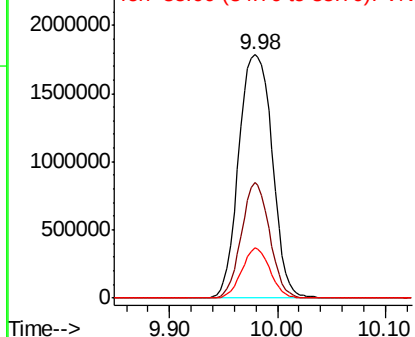


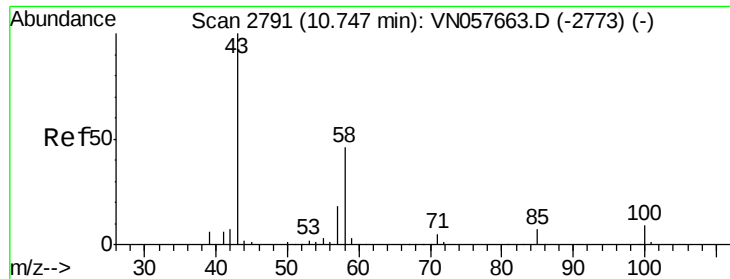
#58
4-Methyl-2-Pentanone
Concen: 1011.731 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 43 Resp: 3861543
Ion Ratio Lower Upper
43 100
58 40.2 26.7 40.1#
85 17.3 11.2 16.8#



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

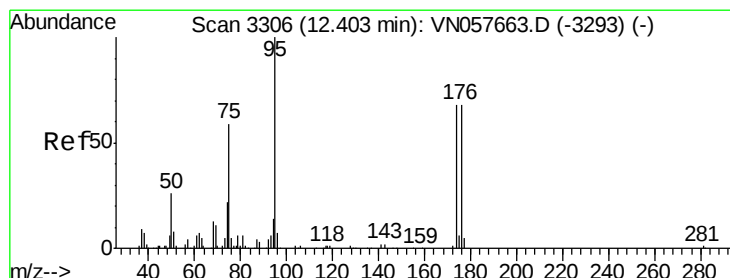
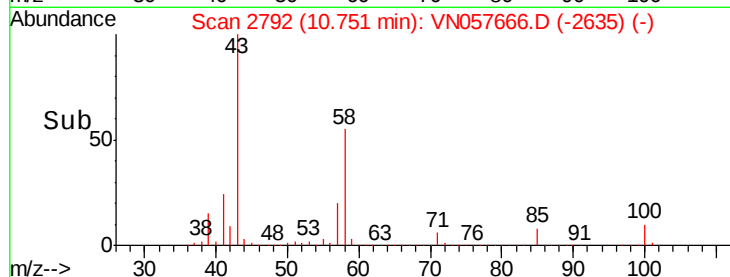
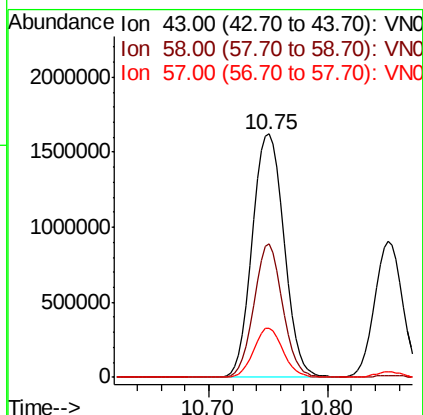
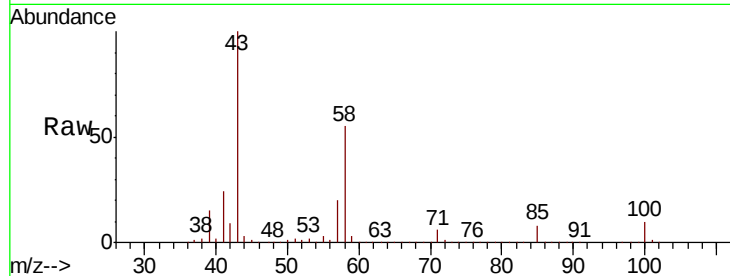




#59
2-Hexanone
Concen: 1141.333 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

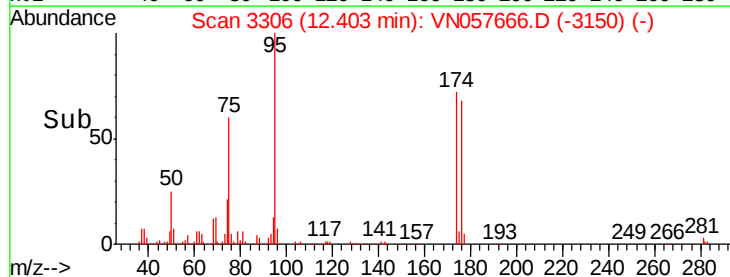
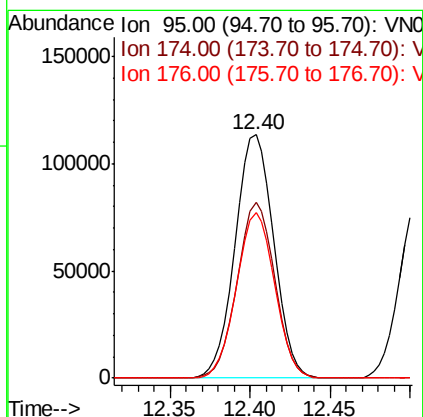
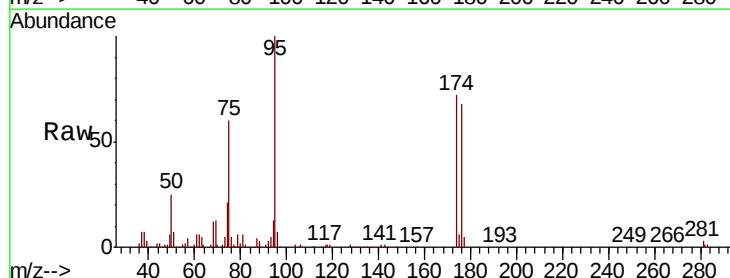
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

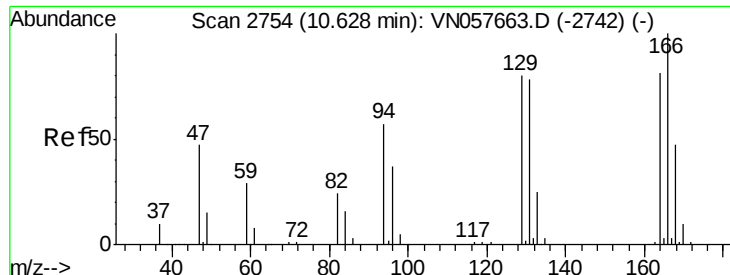
Tgt Ion: 43 Resp: 3010044
Ion Ratio Lower Upper
43 100
58 49.4 36.1 54.1
57 18.5 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 36.283 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 95 Resp: 186794
Ion Ratio Lower Upper
95 100
174 70.3 55.0 82.6
176 67.3 53.7 80.5





#61

Tetrachloroethene

Concen: 128.944 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 538243

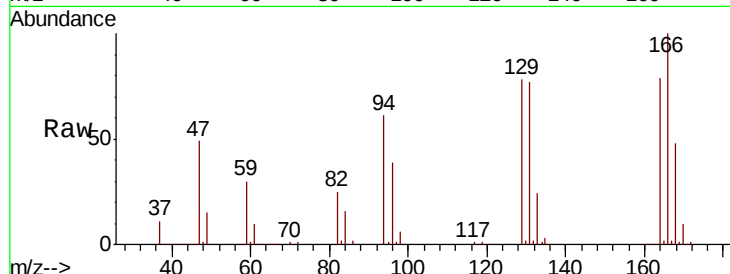
Ion Ratio Lower Upper

164 100

166 127.0 99.4 149.2

129 99.5 78.8 118.2

131 97.2 78.2 117.2

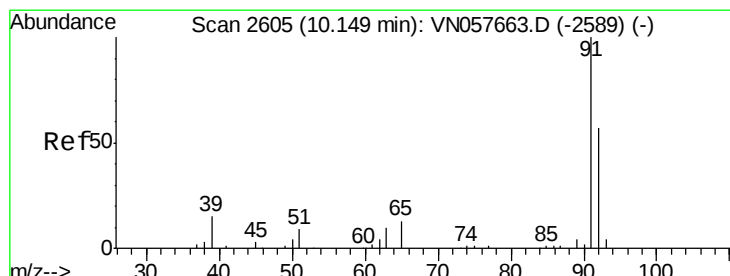
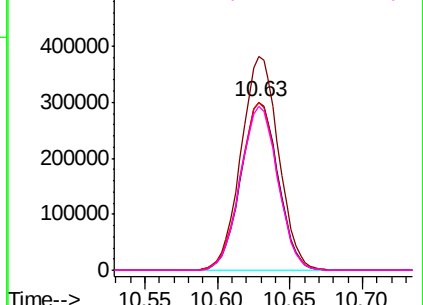
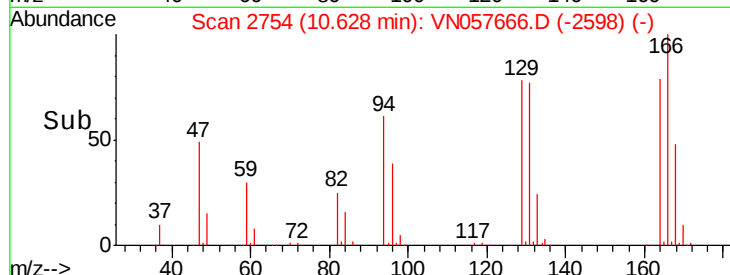


Abundance Ion 163.85 (163.55 to 164.55): V

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: 154.966 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057666.D

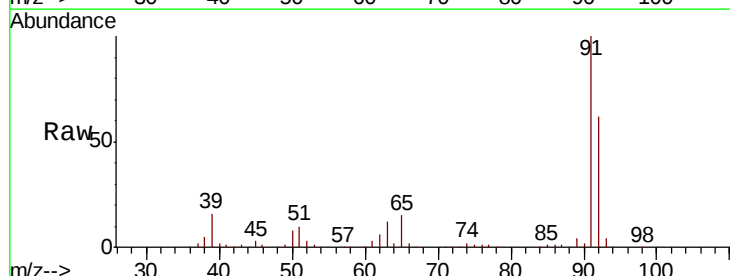
Acq: 3 Sep 2019 16:21

Tgt Ion: 91 Resp: 2628839

Ion Ratio Lower Upper

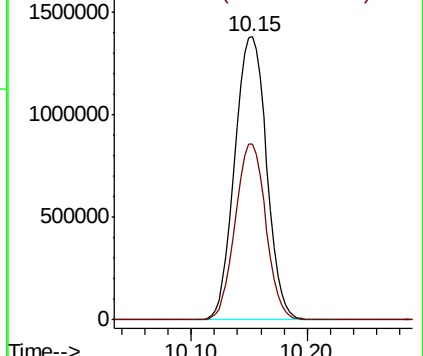
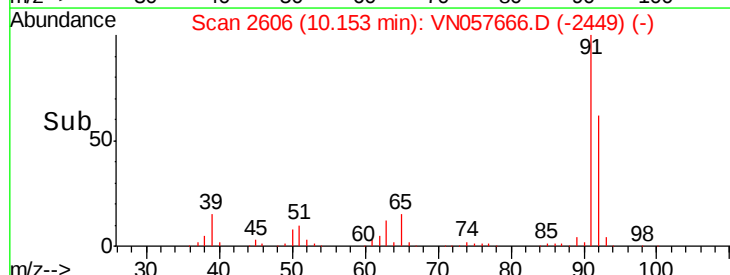
91 100

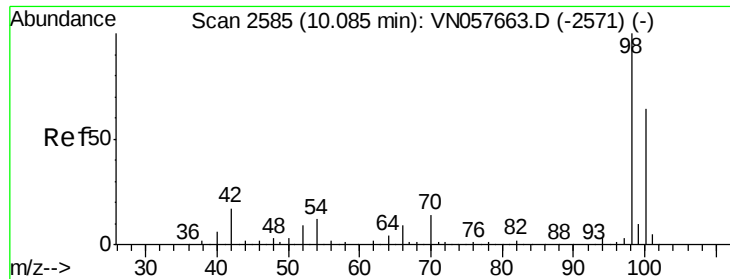
92 59.9 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.662 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

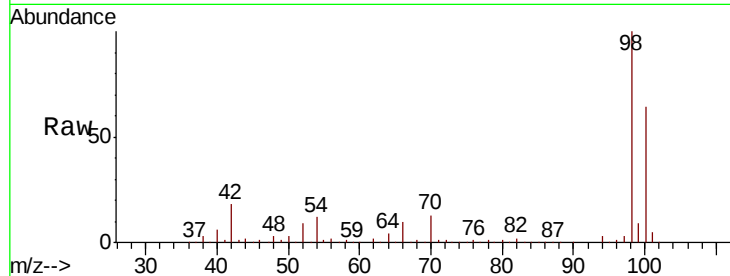
VSTDIC150

Tgt Ion: 98 Resp: 462155

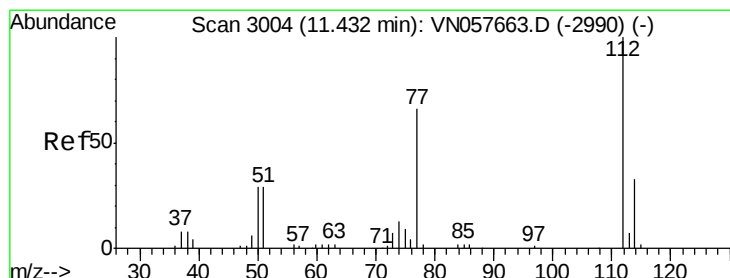
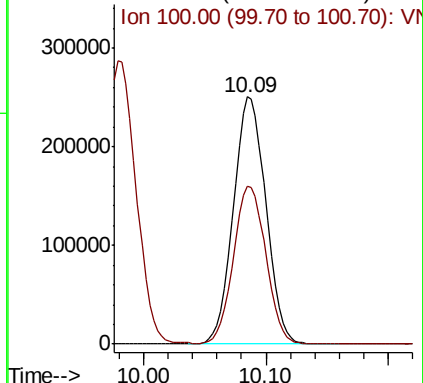
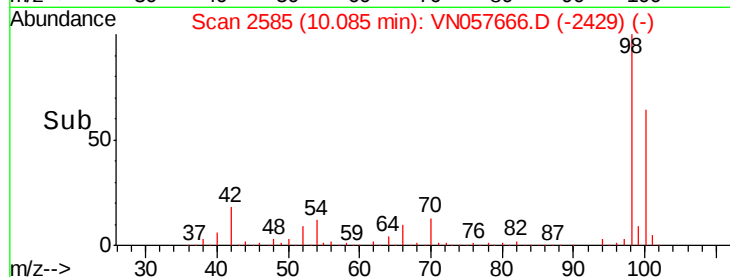
Ion Ratio Lower Upper

98 100

100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057666.D (-2429) (-)



#64

Chlorobenzene

Concen: 155.682 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057666.D

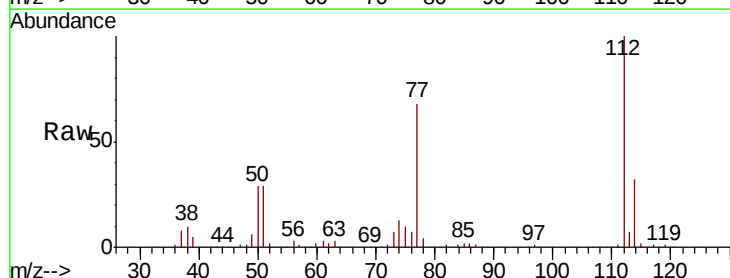
Acq: 3 Sep 2019 16:21

Tgt Ion: 112 Resp: 1671227

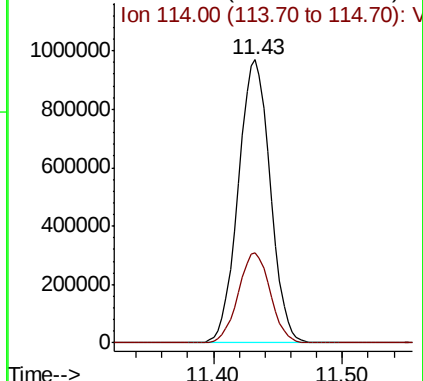
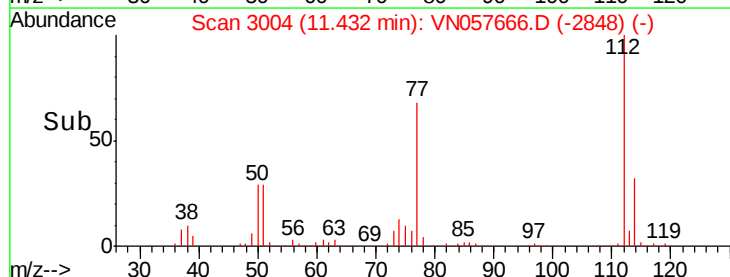
Ion Ratio Lower Upper

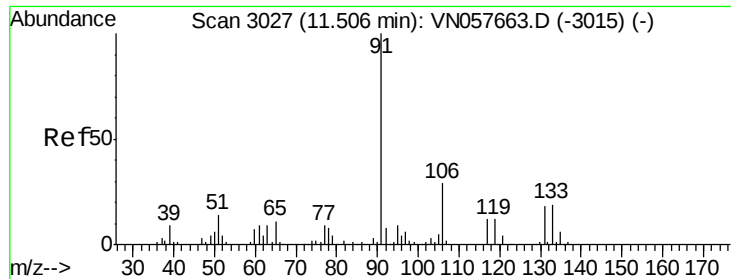
112 100

114 31.9 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): VN057666.D (-2848) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 151.360 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

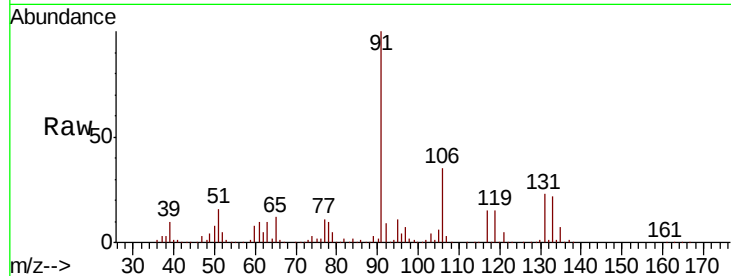
Tgt Ion:131 Resp: 639512

Ion Ratio Lower Upper

131 100

133 93.7 0.0 198.0

119 63.0 0.0 129.8



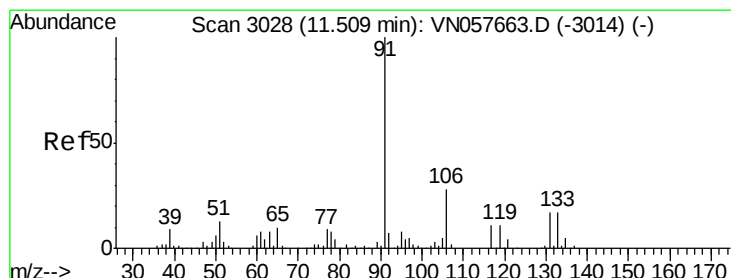
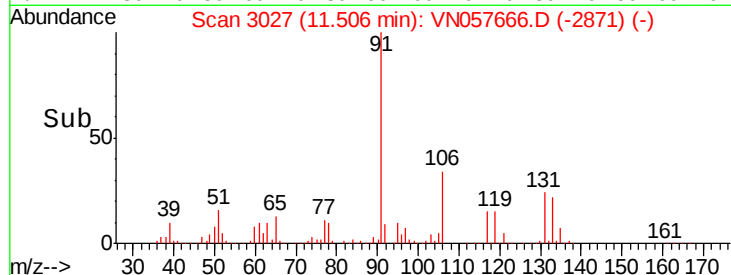
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

11.51

Time-->



#66

Ethyl Benzene

Concen: 159.065 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057666.D

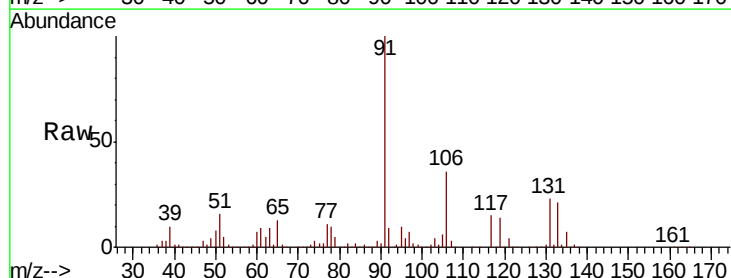
Acq: 3 Sep 2019 16:21

Tgt Ion: 91 Resp: 2916563

Ion Ratio Lower Upper

91 100

106 35.7 22.7 34.1#

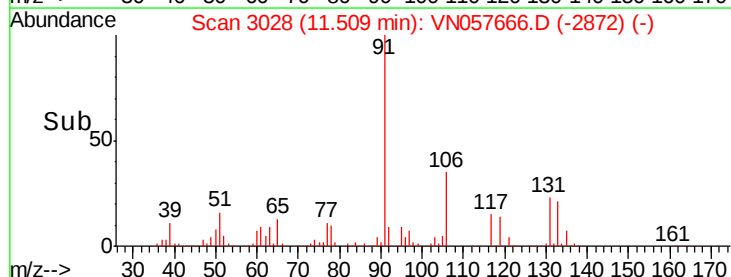


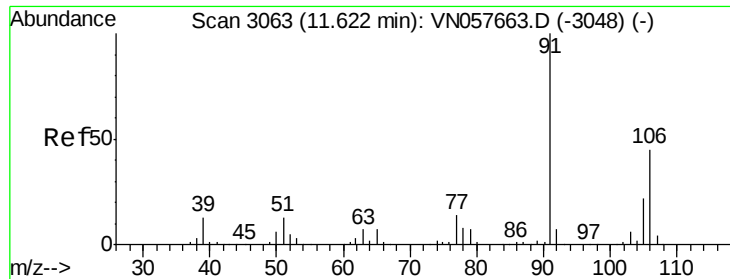
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

Time-->

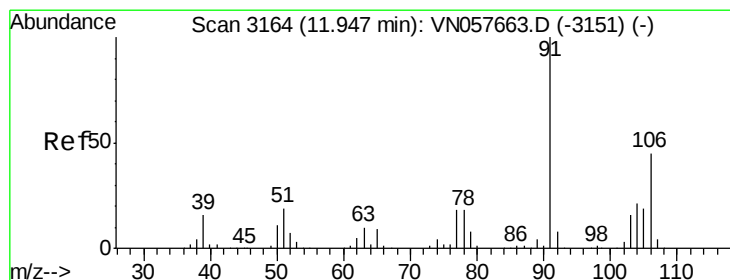
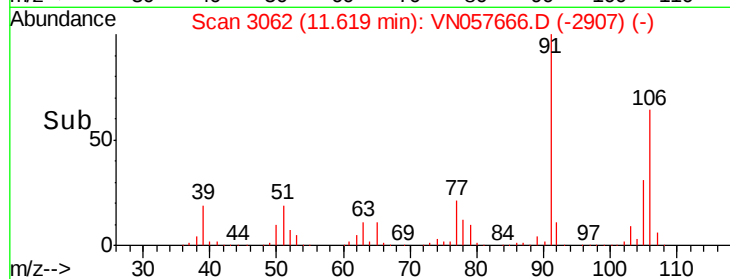
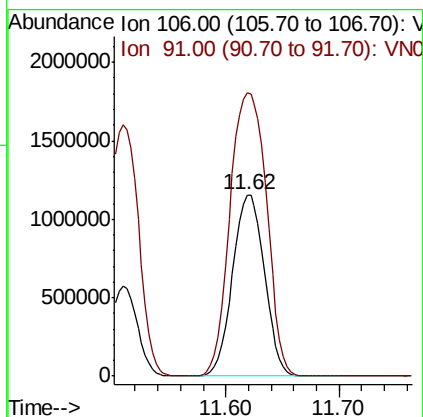
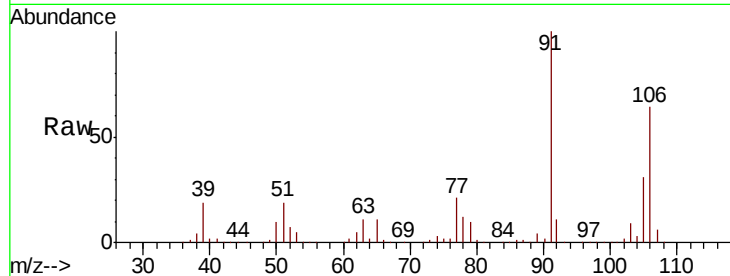




#67
m/p-Xylenes
Concen: 315.720 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

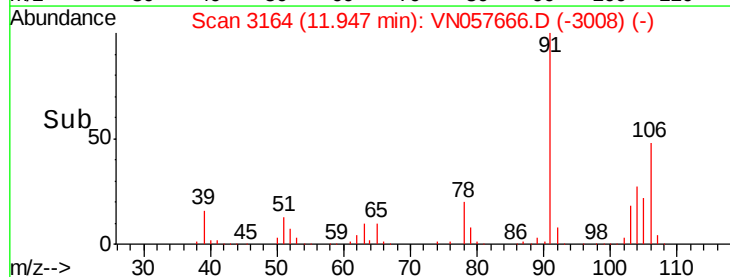
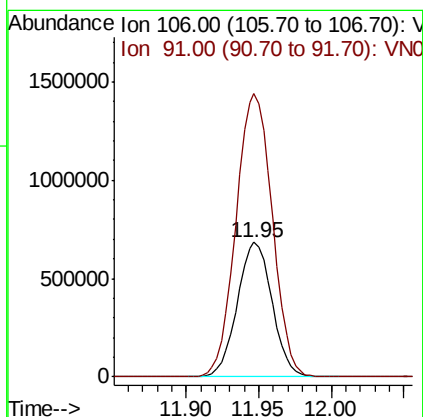
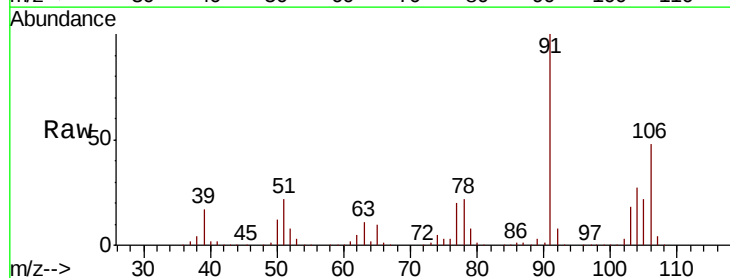
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

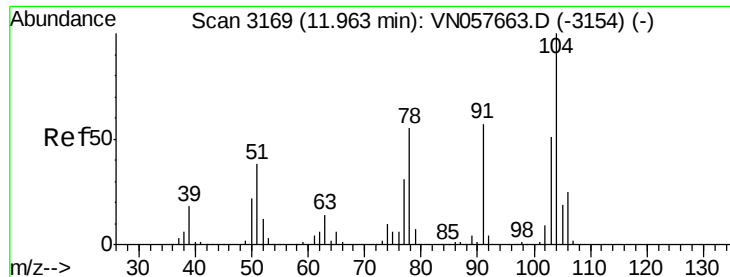
Tgt Ion:106 Resp: 2265346
Ion Ratio Lower Upper
106 100
91 179.3 178.9 268.3



#68
o-Xylene
Concen: 157.559 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion:106 Resp: 1137659
Ion Ratio Lower Upper
106 100
91 219.5 114.0 342.0





#69

Styrene

Concen: 171.984 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

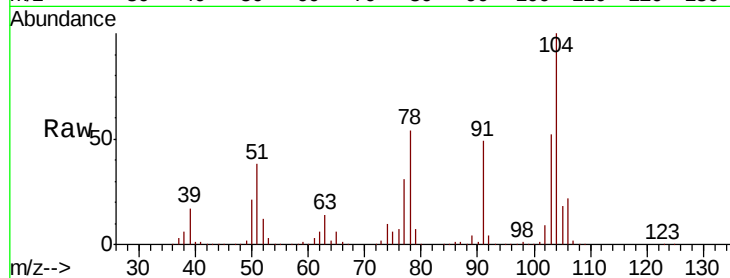
Tgt Ion:104 Resp: 1956775

Ion Ratio Lower Upper

104 100

78 59.7 49.0 73.6

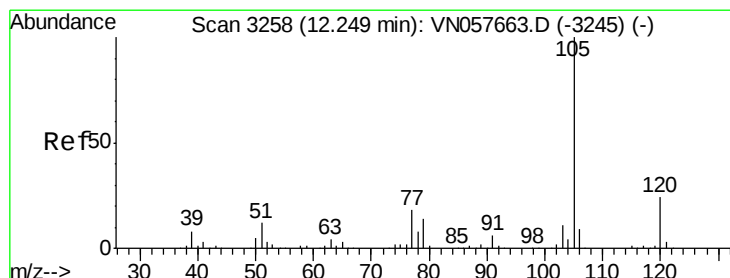
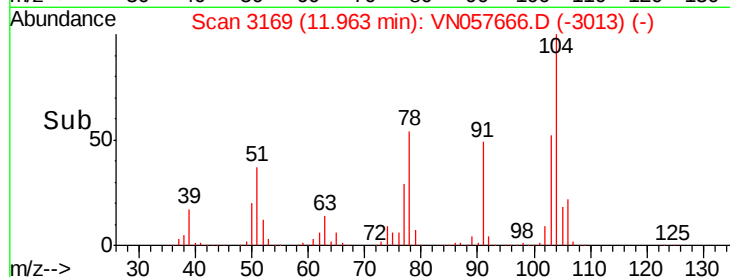
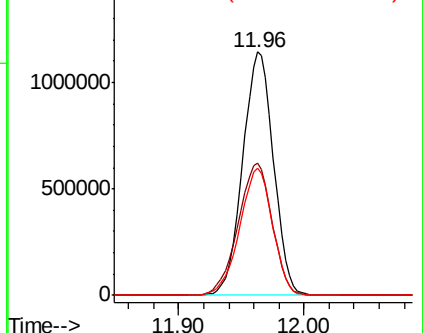
103 55.6 44.9 67.3



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: 159.164 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057666.D

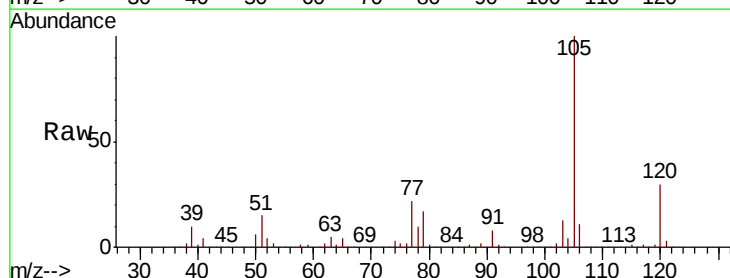
Acq: 3 Sep 2019 16:21

Tgt Ion:105 Resp: 2888031

Ion Ratio Lower Upper

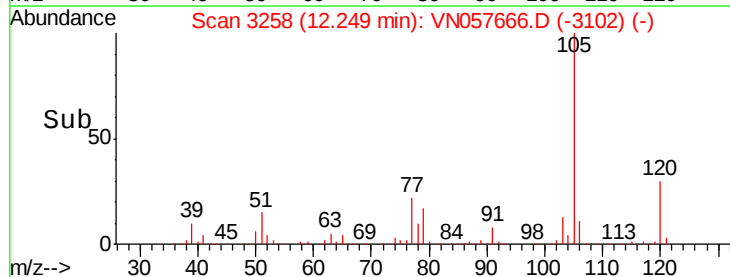
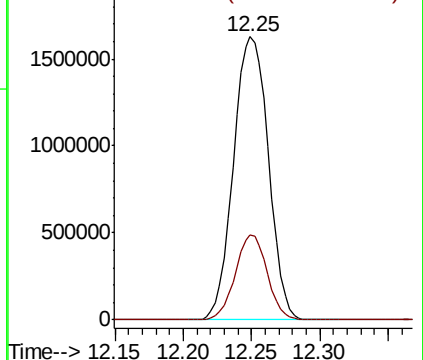
105 100

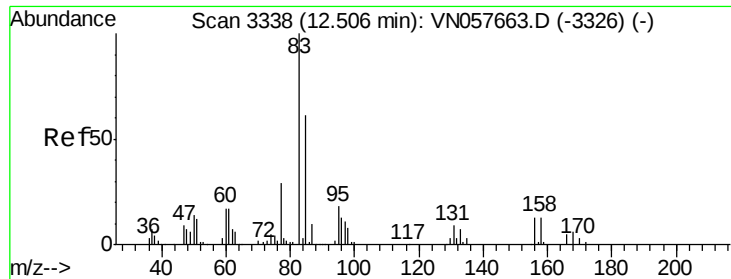
120 27.5 17.2 32.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

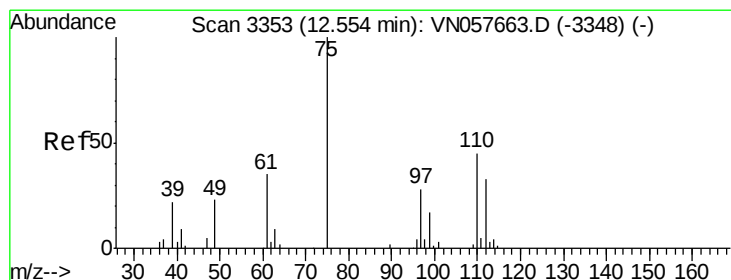
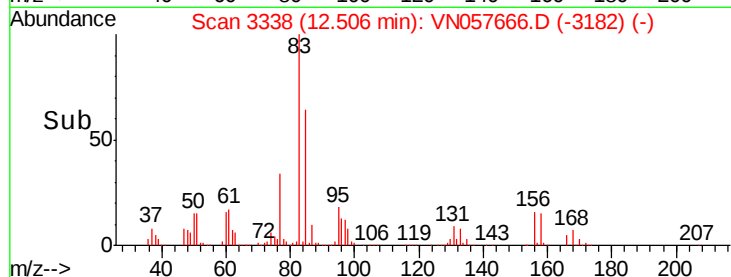
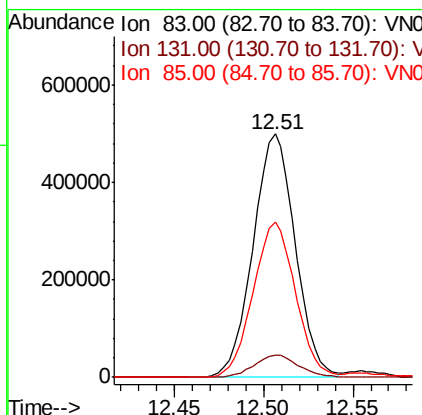
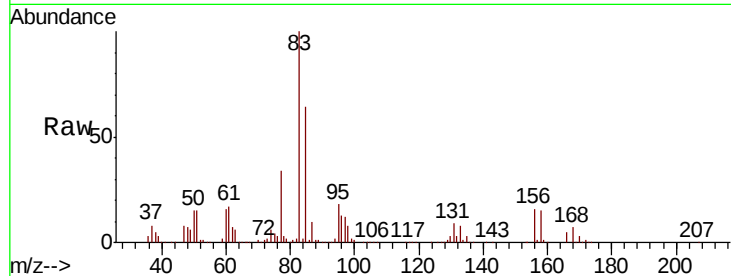




#71
 1,1,2,2-Tetrachloroethane
 Concen: 168.504 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

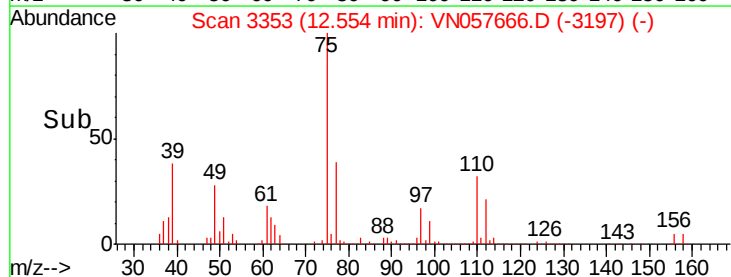
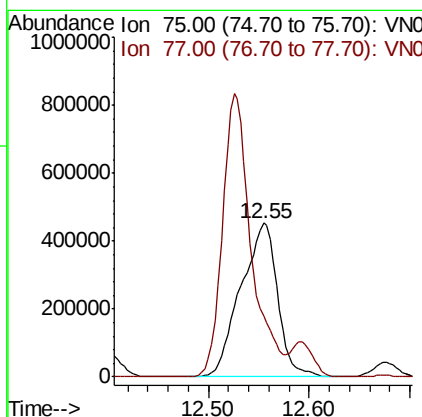
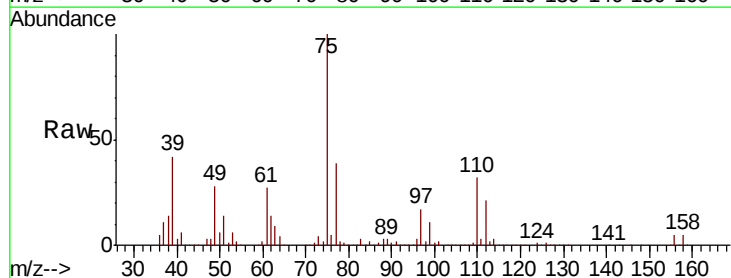
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

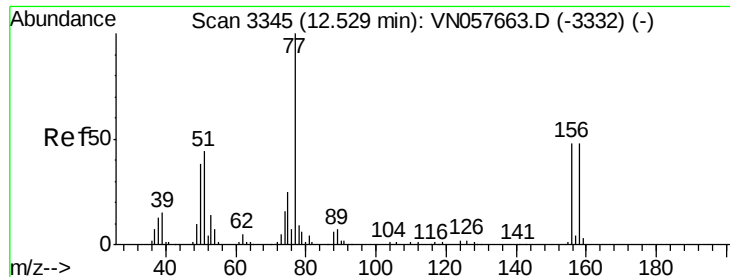
Tgt Ion: 83 Resp: 826753
 Ion Ratio Lower Upper
 83 100
 131 9.6 5.0 14.9
 85 64.0 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 271.783 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 75 Resp: 1145043
 Ion Ratio Lower Upper
 75 100
 77 145.5 0.0 405.6





#73

Bromobenzene

Concen: 153.663 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

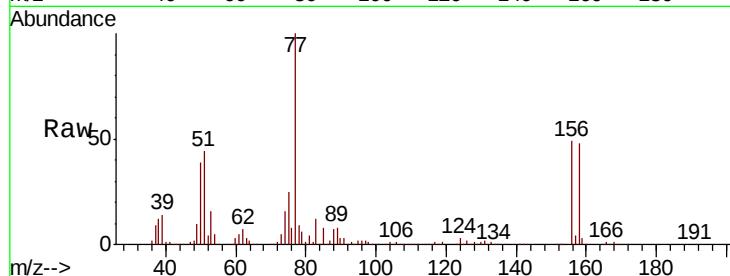
Tgt Ion:156 Resp: 697319

Ion Ratio Lower Upper

156 100

77 238.9 0.0 495.6

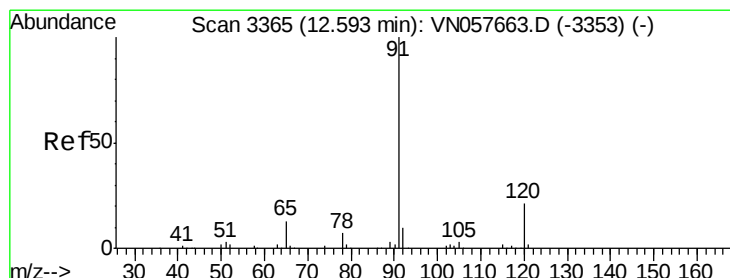
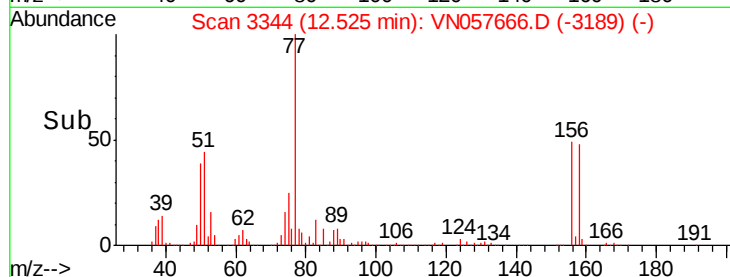
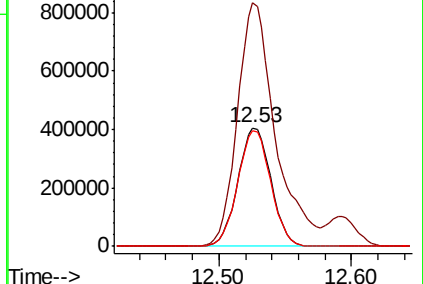
158 97.9 0.0 197.8



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: 171.197 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057666.D

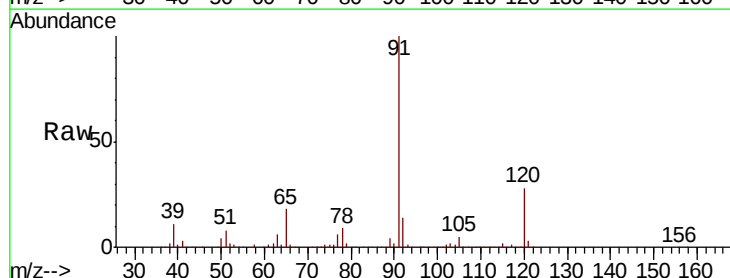
Acq: 3 Sep 2019 16:21

Tgt Ion: 91 Resp: 3218491

Ion Ratio Lower Upper

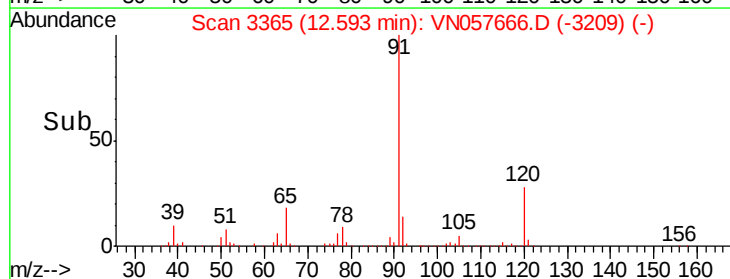
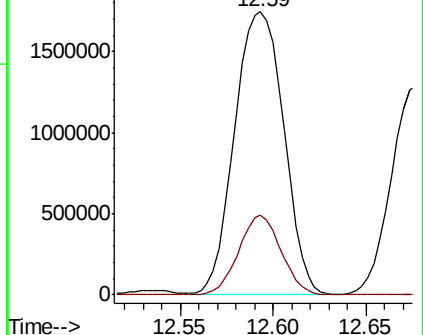
91 100

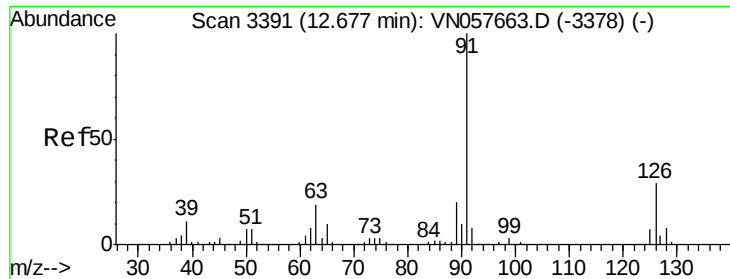
120 24.4 0.0 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 179.201 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

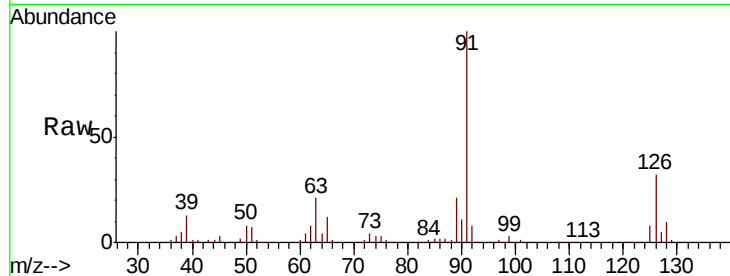
VSTDIC150

Tgt Ion: 91 Resp: 2193587

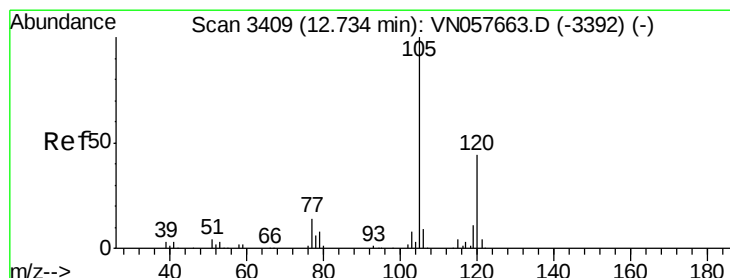
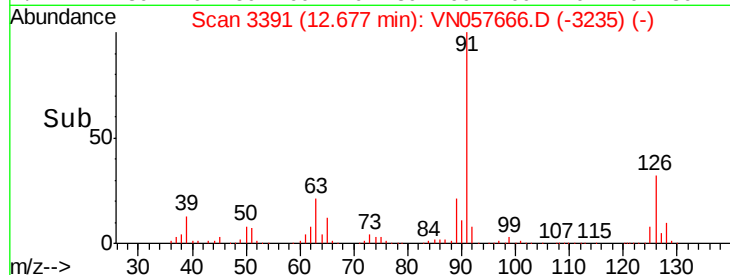
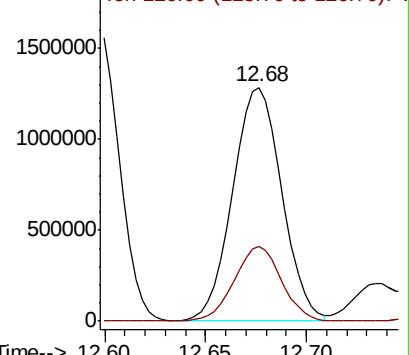
Ion Ratio Lower Upper

91 100

126 30.7 0.0 59.2



Abundance Ion 91.00 (90.70 to 91.70): VN057666.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 166.617 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057666.D

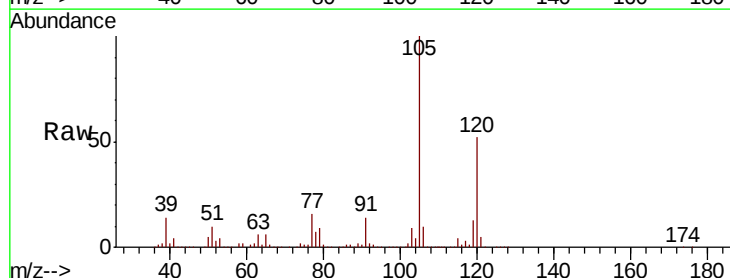
Acq: 3 Sep 2019 16:21

Tgt Ion: 105 Resp: 2536707

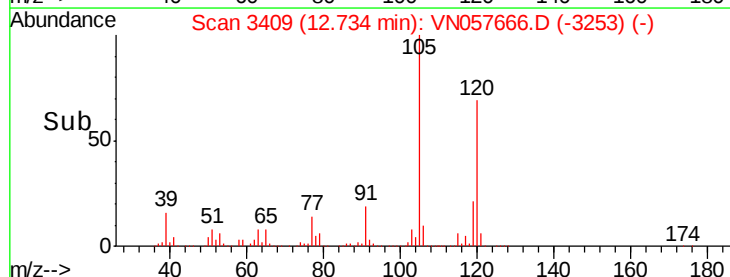
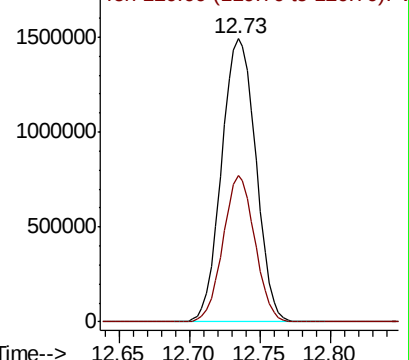
Ion Ratio Lower Upper

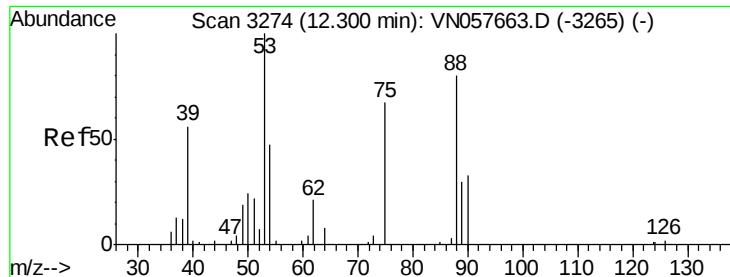
105 100

120 48.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057666.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 211.643 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057666.D

Acq: 3 Sep 2019 16:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

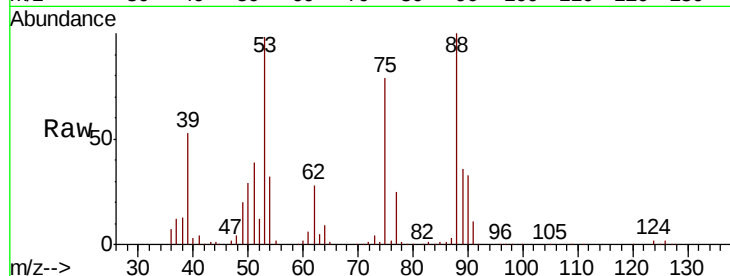
Tgt Ion: 75 Resp: 282813

Ion Ratio Lower Upper

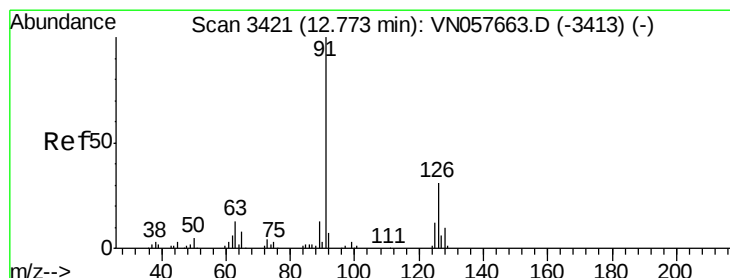
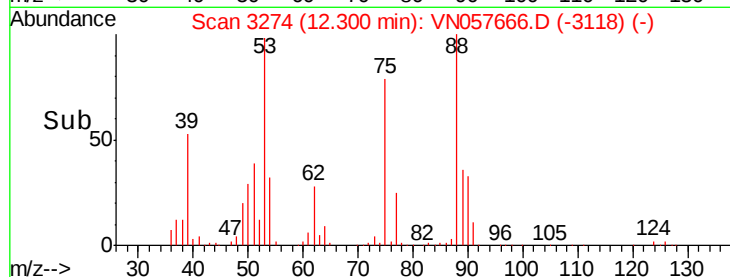
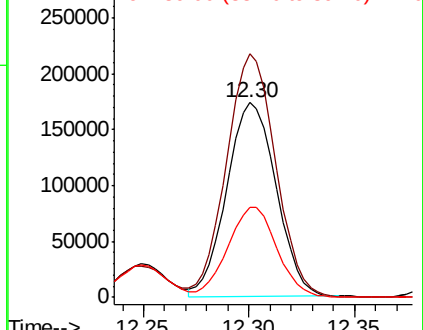
75 100

53 125.3 74.2 222.6

89 46.1 23.3 69.9



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: 190.942 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057666.D

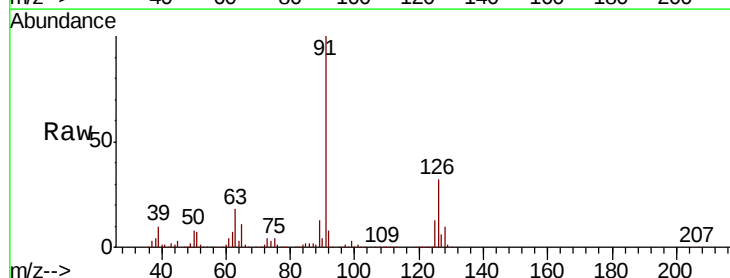
Acq: 3 Sep 2019 16:21

Tgt Ion: 91 Resp: 2213750

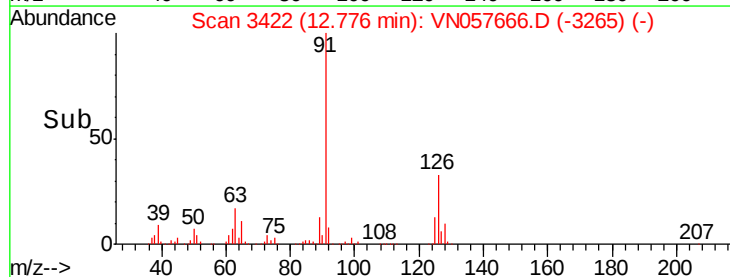
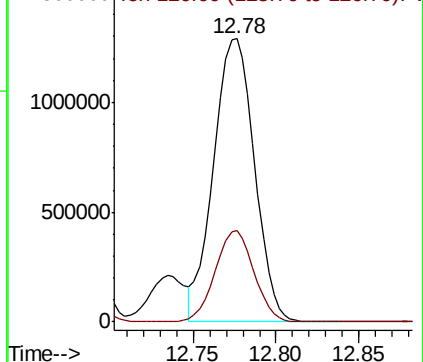
Ion Ratio Lower Upper

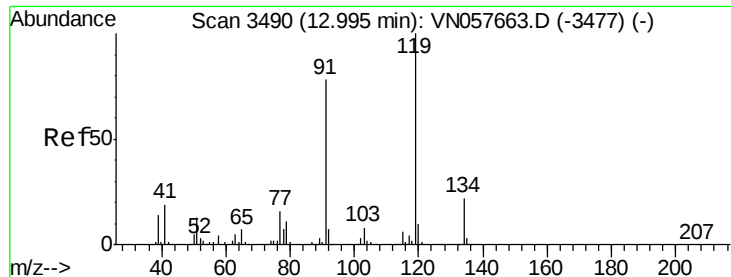
91 100

126 30.6 0.0 57.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

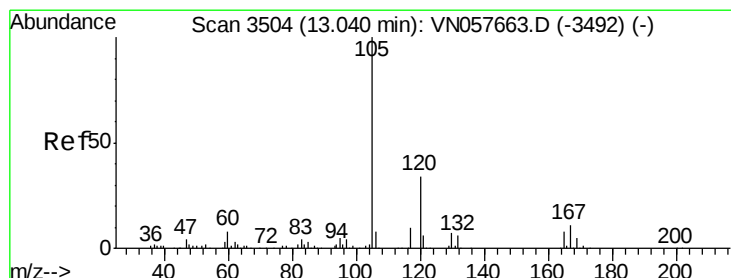
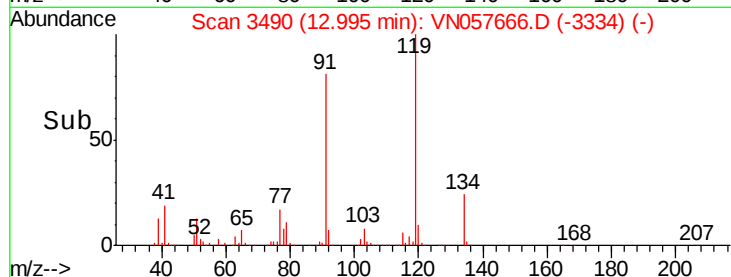
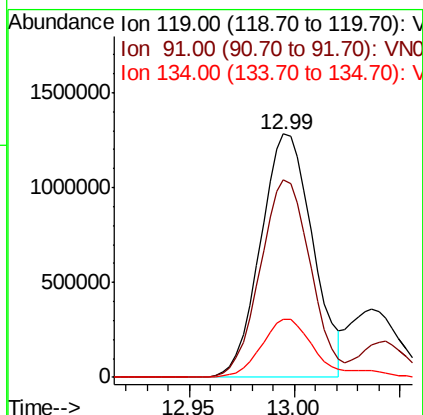
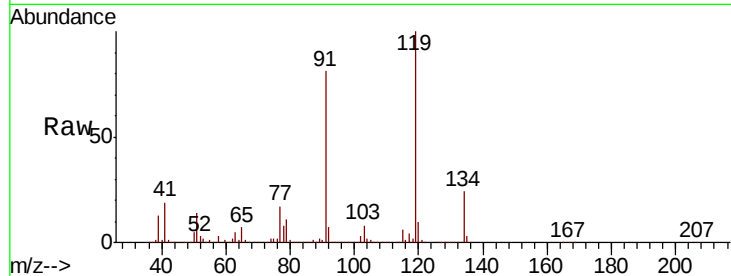




#79
tert-butylbenzene
Concen: 159.061 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

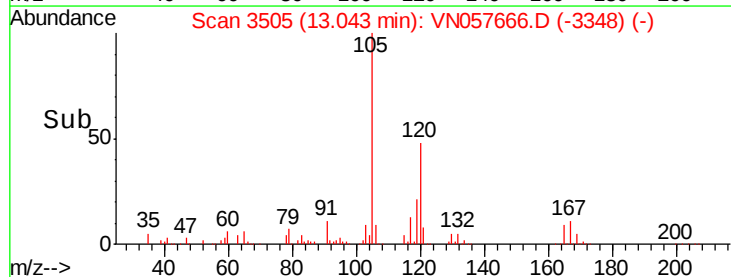
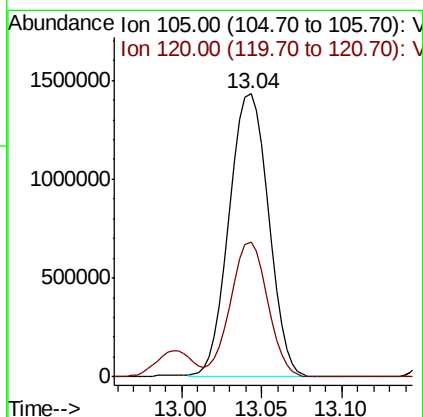
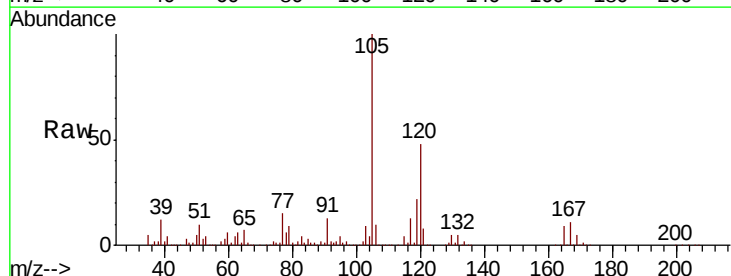
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

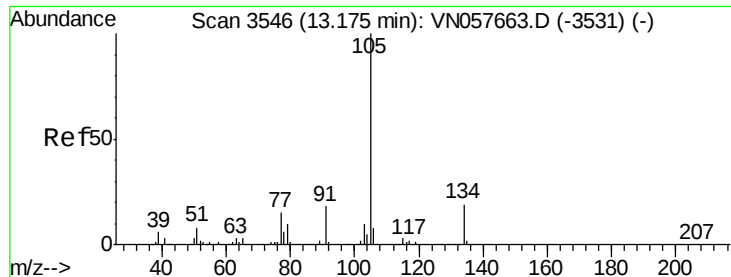
Tgt Ion:119 Resp: 2200607
Ion Ratio Lower Upper
119 100
91 78.5 0.0 155.6
134 23.6 0.0 48.2



#80
1,2,4-Trimethylbenzene
Concen: 169.070 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion:105 Resp: 2410914
Ion Ratio Lower Upper
105 100
120 44.9 0.0 83.4

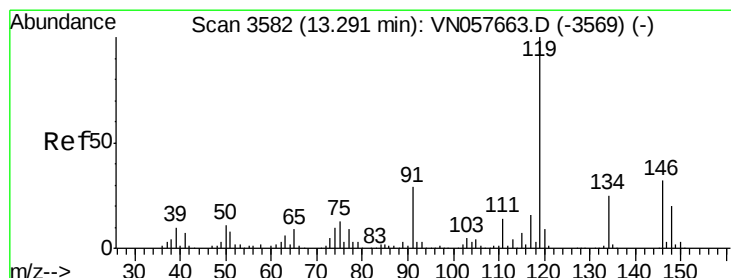
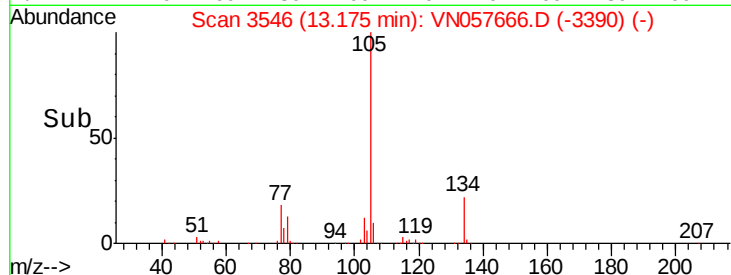
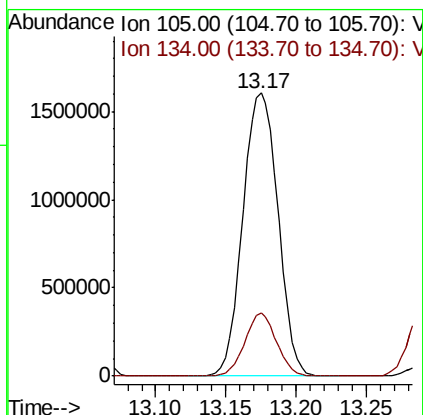
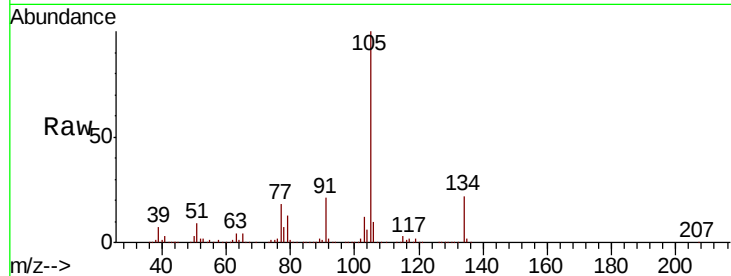




#81
 sec-Butylbenzene
 Concen: 166.464 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

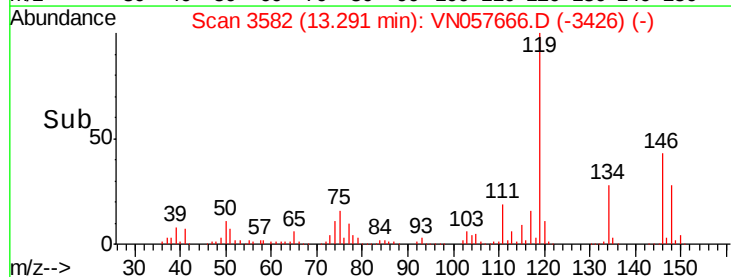
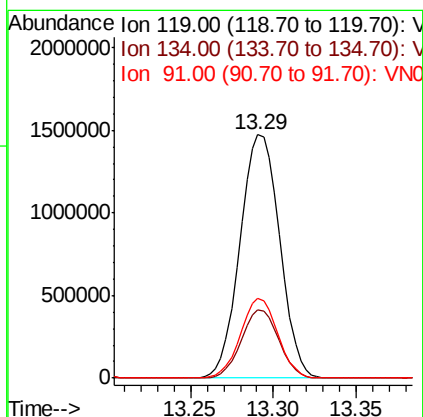
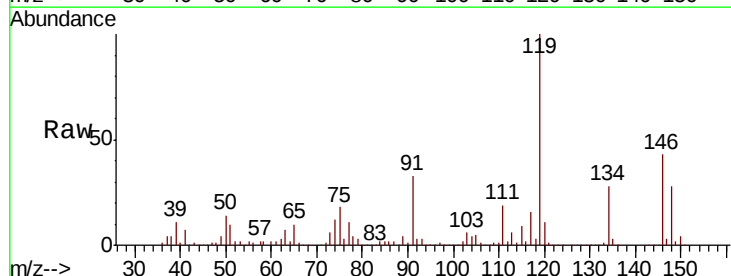
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

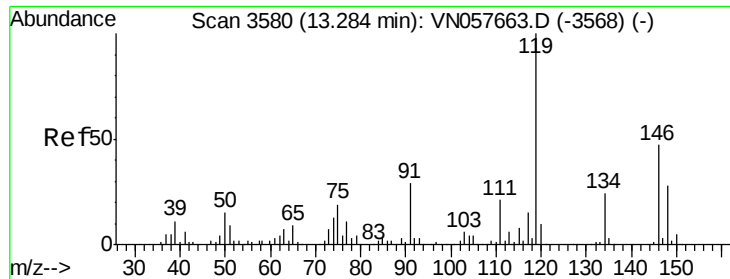
Tgt Ion:105 Resp: 2801083
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 36.2



#82
 p-Isopropyltoluene
 Concen: 165.660 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion:119 Resp: 2449750
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 49.6
 91 30.7 0.0 56.2

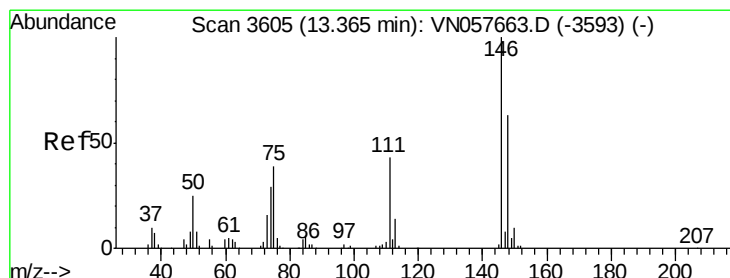
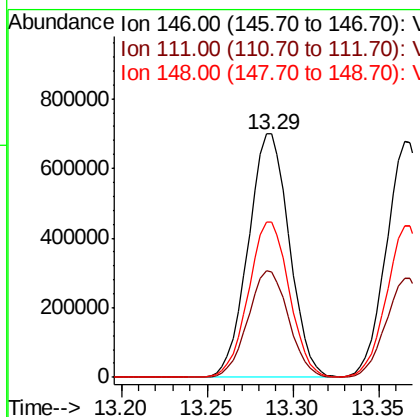
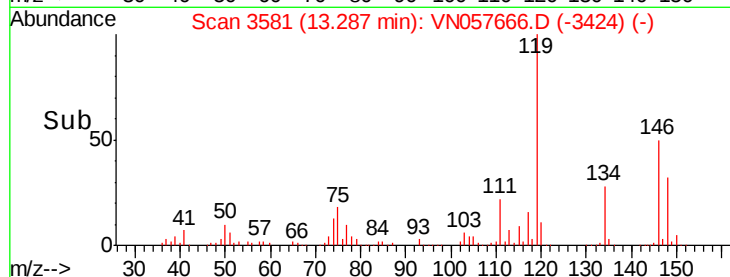
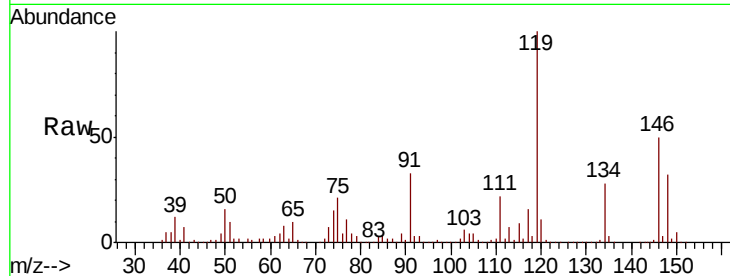




#83
 1,3-Dichlorobenzene
 Concen: 159.433 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

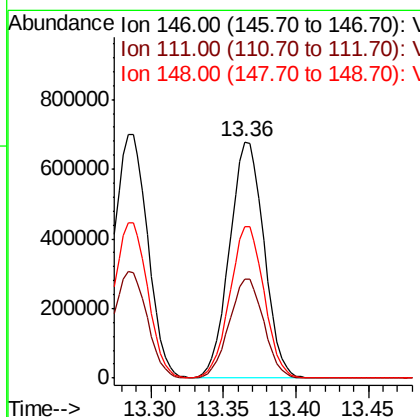
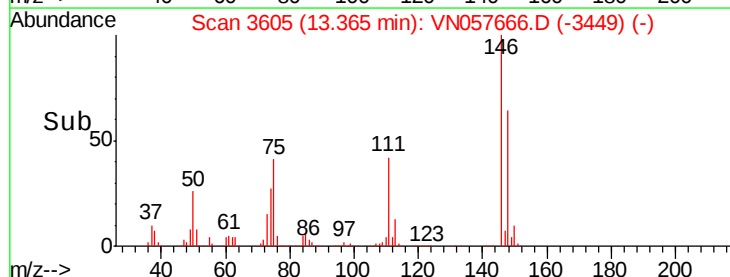
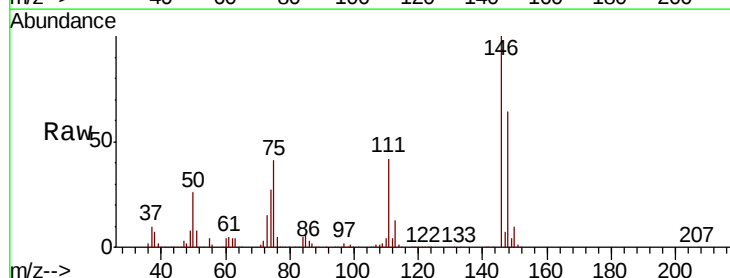
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

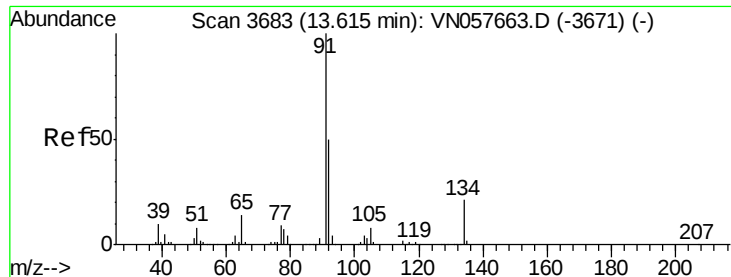
Tgt Ion:146 Resp: 1156133
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.1 66.3
 148 63.4 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 161.277 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion:146 Resp: 1117388
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.9
 148 63.8 31.0 93.0

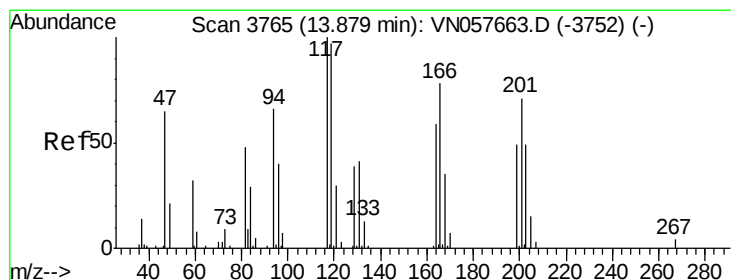
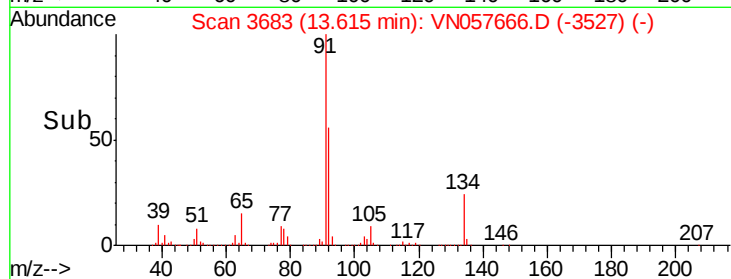
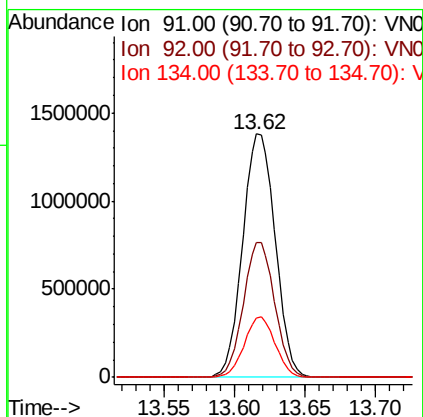
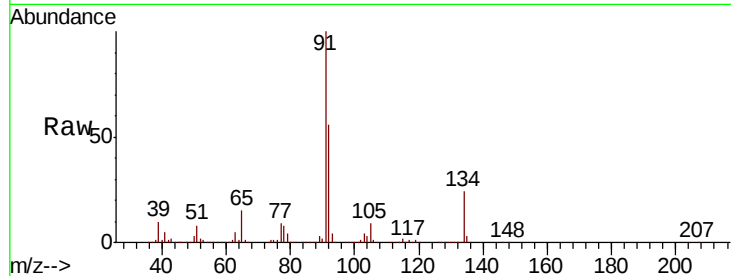




#85
n-Butylbenzene
Concen: 186.200 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

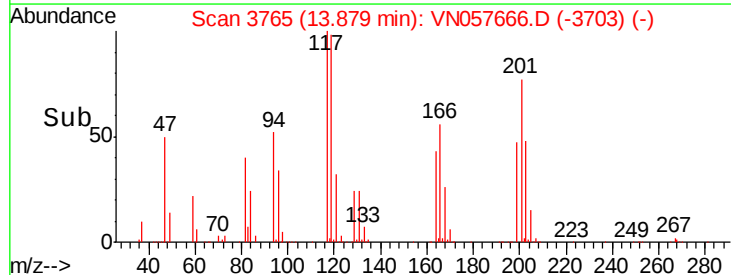
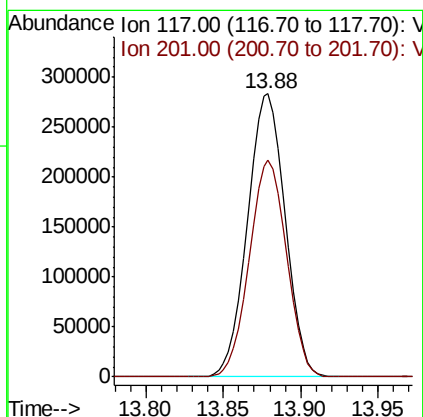
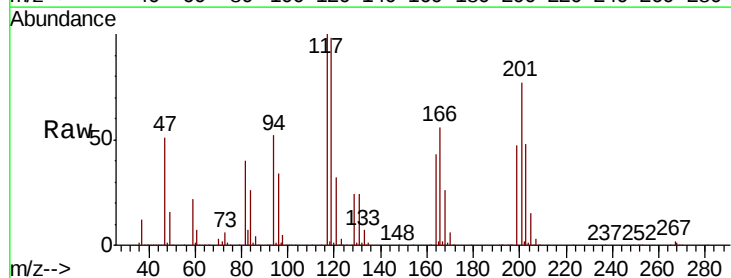
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

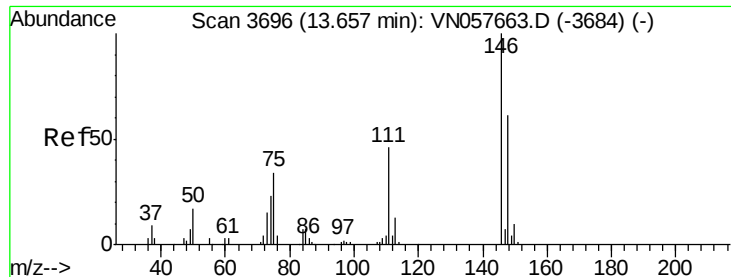
Tgt Ion: 91 Resp: 2232898
Ion Ratio Lower Upper
91 100
92 53.3 0.0 100.2
134 23.5 0.0 43.8



#86
Hexachloroethane
Concen: 167.861 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion: 117 Resp: 481621
Ion Ratio Lower Upper
117 100
201 75.7 34.1 102.2

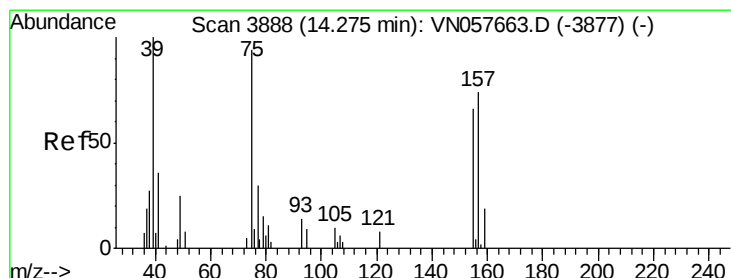
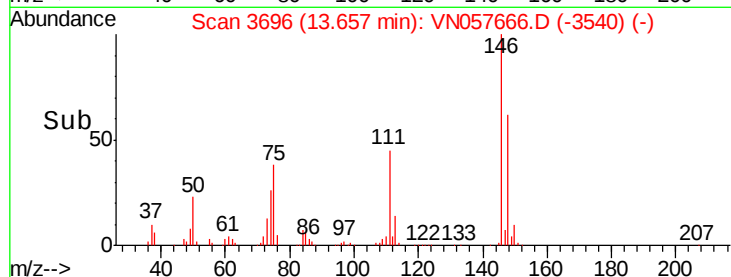
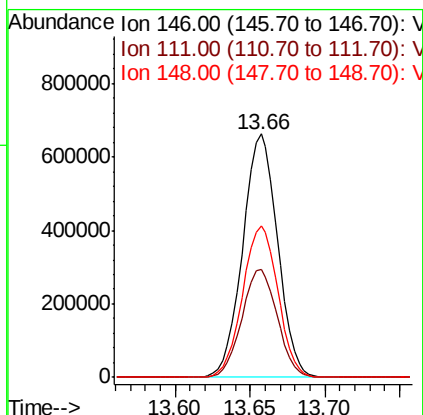
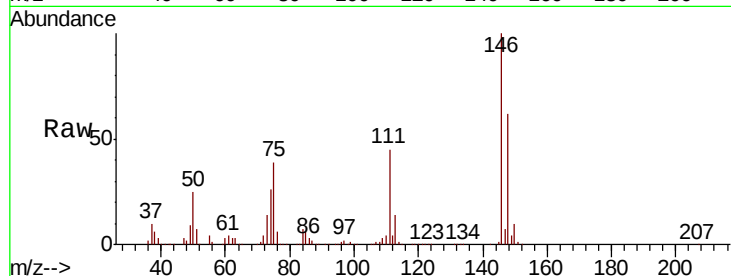




#87
 1,2-Dichlorobenzene
 Concen: 156.333 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

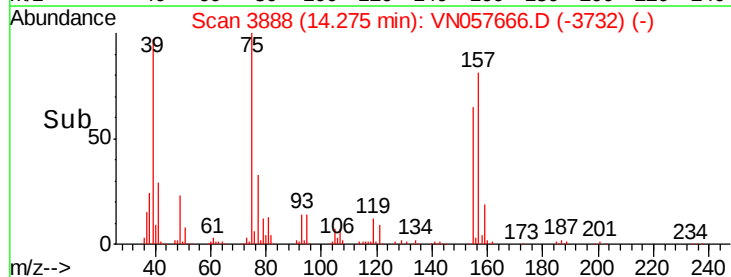
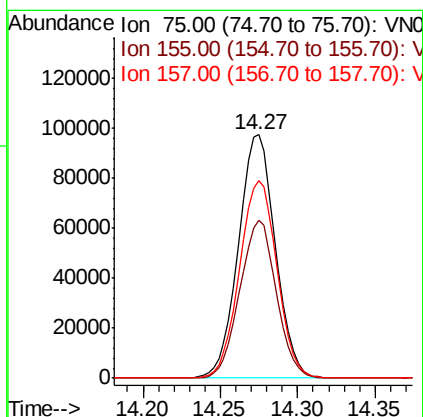
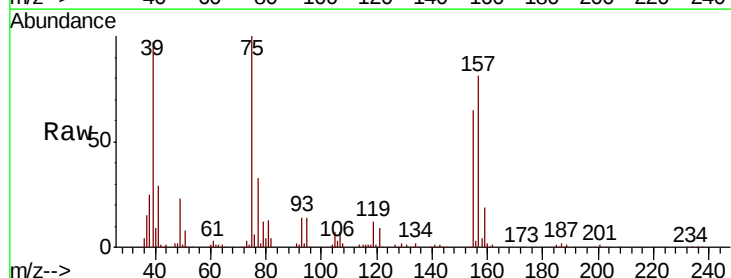
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

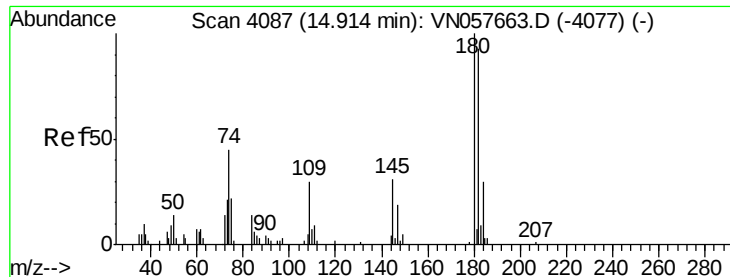
Tgt Ion:146 Resp: 1076634
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.6 67.7
 148 63.0 31.3 93.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 230.481 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion: 75 Resp: 161987
 Ion Ratio Lower Upper
 75 100
 155 64.2 54.6 82.0
 157 82.4 65.5 98.3

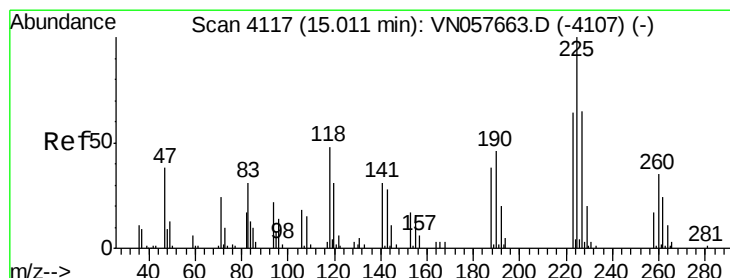
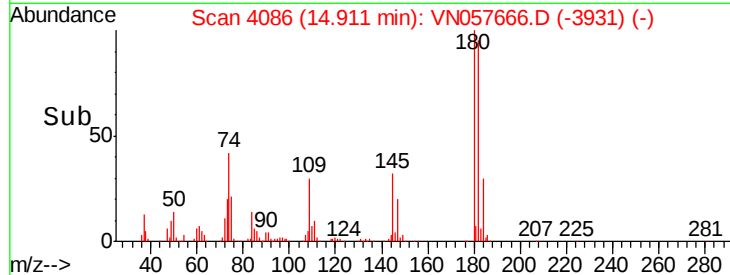
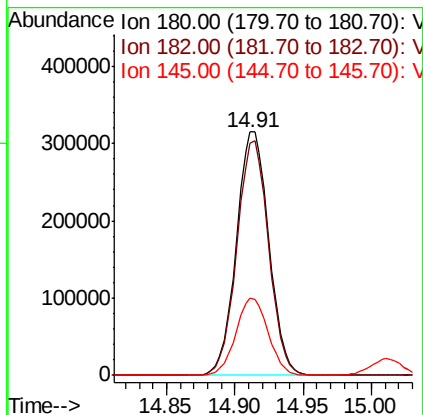
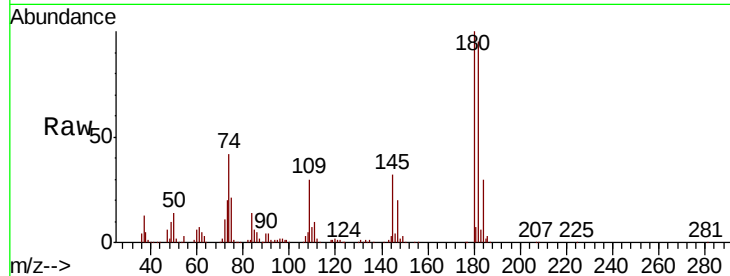




#89
 1,2,4-Trichlorobenzene
 Concen: 206.470 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

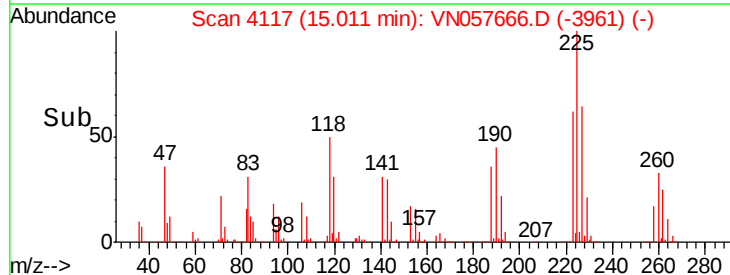
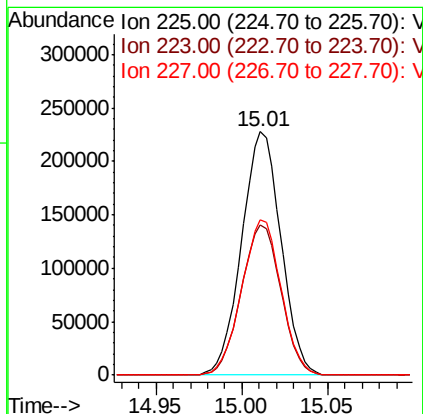
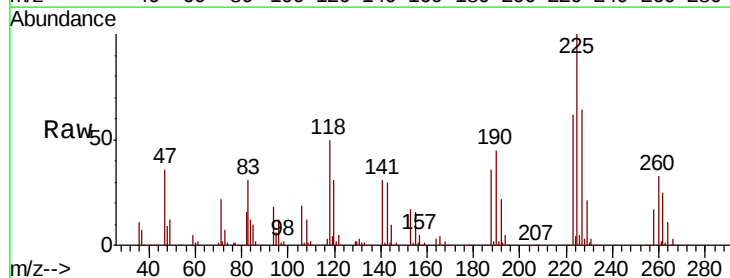
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

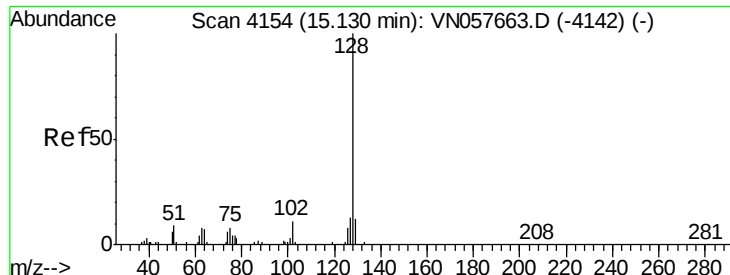
Tgt Ion:180 Resp: 519442
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 145 31.8 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 157.733 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057666.D
 Acq: 3 Sep 2019 16:21

Tgt Ion:225 Resp: 360930
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 131.0
 227 63.8 0.0 128.6

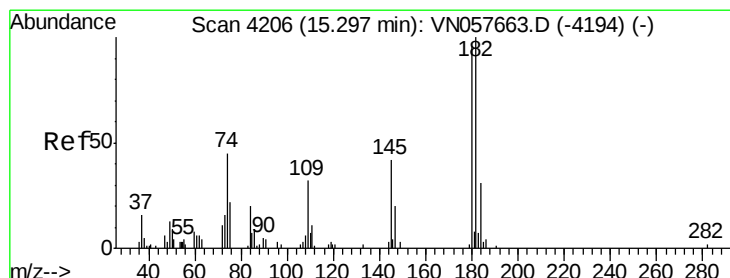
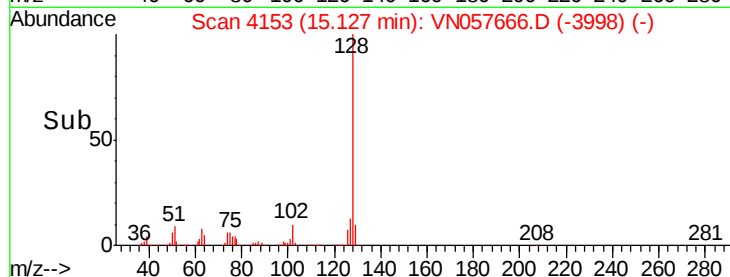
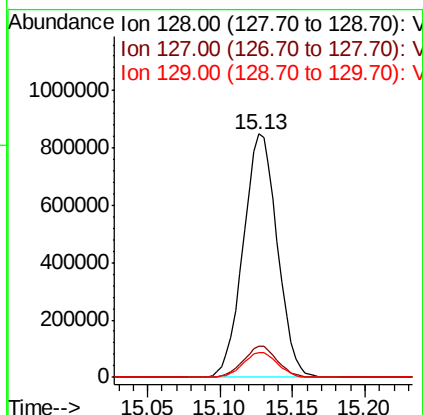
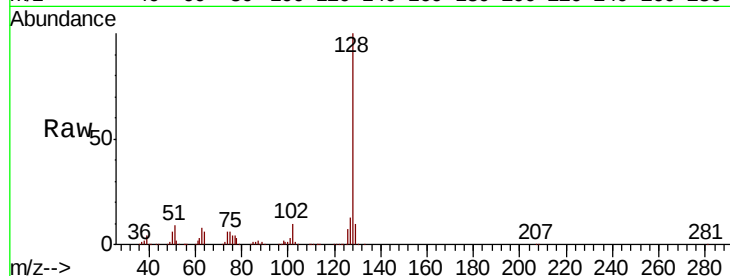




#91
Naphthalene
Concen: 202.087 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Instrument :
MSVOA_N
ClientSampled :
VSTDICC150

Tgt Ion:128 Resp: 1386158
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.4 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 202.630 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057666.D
Acq: 3 Sep 2019 16:21

Tgt Ion:180 Resp: 503348
Ion Ratio Lower Upper
180 100
182 95.7 0.0 199.4
145 33.5 0.0 73.2

