

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057351.D
 Acq On : 16 Aug 2019 13:05
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 16 13:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:07:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	139217	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	763133	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	702313	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	265444	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	12.40	95	335108	33.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.23%
63) Toluene-d8	10.09	98	913193	28.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1094874	152.825	ug/l 97
3) Chloromethane	2.05	50	1282844	155.906	ug/l 100
4) Vinyl Chloride	2.18	62	1215261	153.981	ug/l 98
5) Bromomethane	2.52	94	813851m	127.957	ug/l
6) Chloroethane	2.68	64	811870m	149.226	ug/l
7) Trichlorofluoromethane	3.01	101	1889186	148.216	ug/l 98
8) Diethyl Ether	3.40	74	719074	154.602	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1123509	147.979	ug/l 96
10) 1,1-Dichloroethene	3.73	96	1139950	152.260	ug/l 93
11) Methyl Iodide	3.94	142	1982295	158.266	ug/l 99
12) Methyl Acetate	4.31	43	1196555	139.800	ug/l 98
13) Acrolein	3.60	56	611195	769.548	ug/l 99
14) Acrylonitrile	4.97	53	2669563	788.600	ug/l 99
15) Acetone	3.80	58	720699	706.902	ug/l 99
16) Carbon Disulfide	4.05	76	3179852	156.189	ug/l 100
17) Allyl chloride	4.31	41	1769505	164.432	ug/l 95
18) Methylene Chloride	4.54	84	1284484	149.311	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	1205504	147.815	ug/l 97
20) Diisopropyl ether	5.94	45	3393101	148.207	ug/l 92
21) 1,1-Dichloroethane	5.83	63	2103079	148.782	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	1405764	148.979	ug/l 98
23) tert-Butyl Alcohol	4.77	59	960179	797.858	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	3512051	153.013	ug/l 99
25) Chloroform	7.36	83	2182442	147.459	ug/l 100
26) Cyclohexane	7.64	56	1772592	151.385	ug/l # 94
29) 1,1-Dichloropropene	7.78	75	1670604	150.616	ug/l 98
30) 2-Butanone	6.82	43	3289742	751.406	ug/l 95
31) 2,2-Dichloropropane	6.81	77	1795019	147.023	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	1977824	150.890	ug/l 97
33) Carbon Tetrachloride	7.77	117	1785087	153.468	ug/l 98
34) Benzene	8.03	78	5031262	149.249	ug/l # 91
35) Methacrylonitrile	7.18	41	968114m	165.038	ug/l
36) 1,2-Dichloroethane	8.12	62	1621767	147.731	ug/l 99
37) Trichloroethene	8.83	130	1459143	148.564	ug/l 95
38) Methylcyclohexane	9.08	83	1986209	151.351	ug/l 95
39) 1,2-Dichloropropane	9.11	63	1289053	149.702	ug/l 99
40) Dibromomethane	9.20	93	860526	150.352	ug/l 94

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 ClientSampleId :
 VSTDICC150

Quant Time: Aug 16 13:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:07:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1783233	154.644	ug/l	98
42) Vinyl Acetate	5.88	43	14155856	772.810	ug/l	97
43) Ethyl Acetate	6.91	43	1358092	151.420	ug/l	98
44) Isopropyl Acetate	8.15	43	2382643m	150.551	ug/l	
45) 1,4-Dioxane	9.19	88	458634	3096.684	ug/l	96
46) Methyl methacrylate	9.19	41	1112970	158.805	ug/l	92
47) n-amyl Acetate	12.07	43	1985962	175.827	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1991854	161.011	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	2167833	156.449	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	1251521	149.702	ug/l	97
51) Ethyl methacrylate	10.43	69	1958744	164.903	ug/l	93
52) 1,3-Dichloropropane	10.70	76	2065760	151.705	ug/l	99
53) Dibromochloromethane	10.90	129	1514715	159.554	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1361709	155.945	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	2645885	1001.095	ug/l	96
56) Bromoform	12.13	173	1209648	171.367	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	6896886	754.816	ug/l	95
59) 2-Hexanone	10.75	43	4965271	758.359	ug/l	95
61) Tetrachloroethene	10.63	164	1395229	132.352	ug/l	99
62) Toluene	10.15	91	5589626	142.937	ug/l	99
64) Chlorobenzene	11.43	112	3634774	149.209	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	1380119	144.918	ug/l	99
66) Ethyl Benzene	11.51	91	6362315	150.416	ug/l	100
67) m/p-Xylenes	11.62	106	4863415	308.850	ug/l	99
68) o-Xylene	11.95	106	2364844	153.413	ug/l	97
69) Styrene	11.96	104	4102866	169.130	ug/l	99
70) Isopropylbenzene	12.25	105	6349629	153.706	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1691984	148.481	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1467583m	153.672	ug/l	
73) Bromobenzene	12.53	156	1763798	163.139	ug/l	92
74) n-propylbenzene	12.59	91	7139236	169.967	ug/l	98
75) 2-Chlorotoluene	12.67	91	4277551	162.520	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	5466799	160.558	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	624385	175.264	ug/l	86
78) 4-Chlorotoluene	12.77	91	4299478	178.173	ug/l	99
79) tert-butylbenzene	12.99	119	4776211	156.598	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	5320983	167.106	ug/l	100
81) sec-Butylbenzene	13.17	105	6165379	166.034	ug/l	99
82) p-Isopropyltoluene	13.29	119	5700579	172.895	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2797526	180.709	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2706707	189.395	ug/l	100
85) n-Butylbenzene	13.62	91	4410964	182.045	ug/l	98
86) Hexachloroethane	13.88	117	1033897	160.255	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	2568586	174.156	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	286364	200.530	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1236819	264.744	ug/l	98
90) Hexachlorobutadiene	15.01	225	1003307	144.981	ug/l	99
91) Naphthalene	15.13	128	2995480	313.331	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	1238122	286.577	ug/l	99

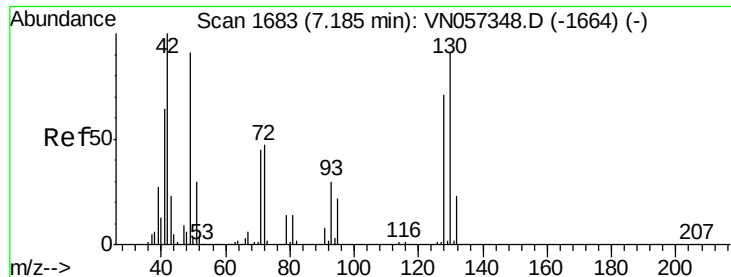
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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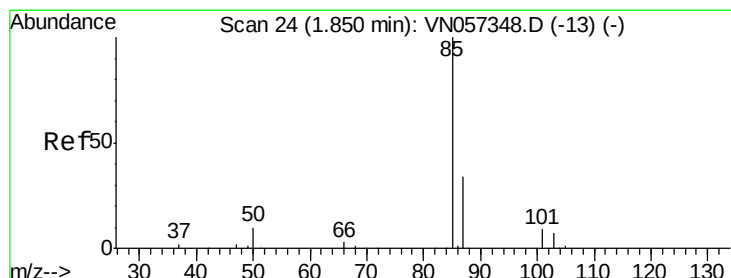
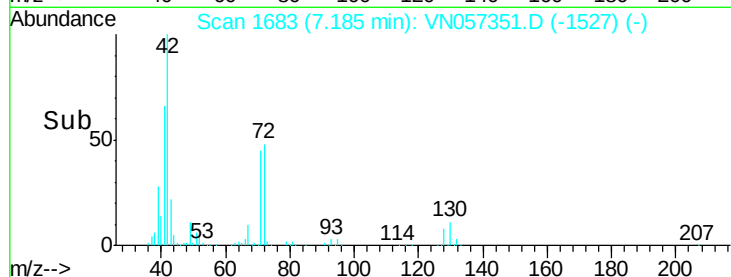
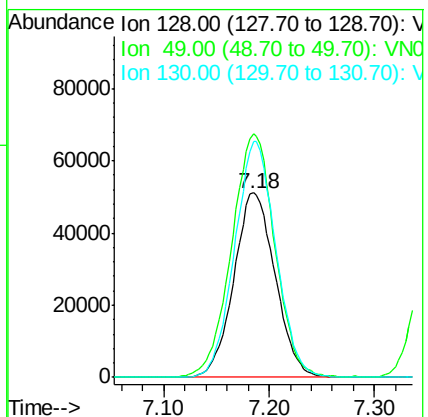
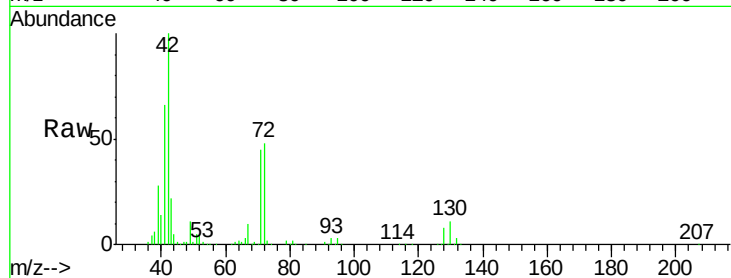
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

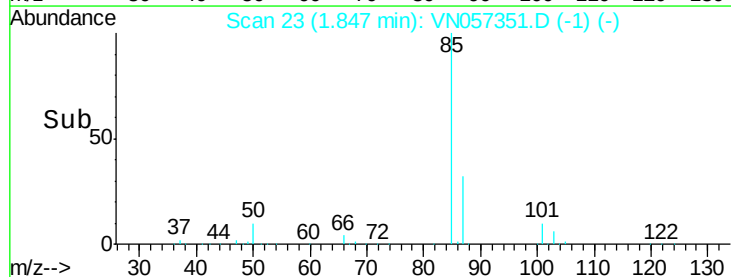
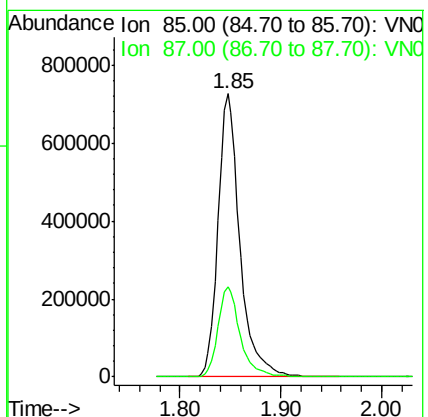
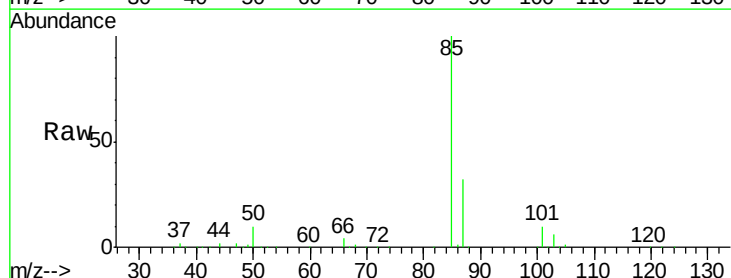
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

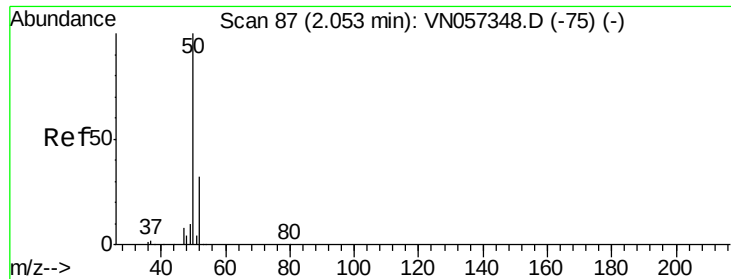
Tot Ion:128 Resp: 139217
 Ion Ratio Lower Upper
 128 100
 49 137.8 0.0 390.5
 130 127.2 0.0 316.5



#2
 Dichlorodifluoromethane
 Concen: 152.825 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 85 Resp: 1094874
 Ion Ratio Lower Upper
 85 100
 87 32.0 16.8 50.3





#3

Chloromethane

Concen: 155.906 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

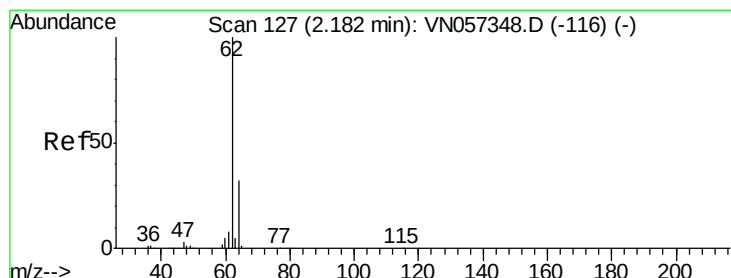
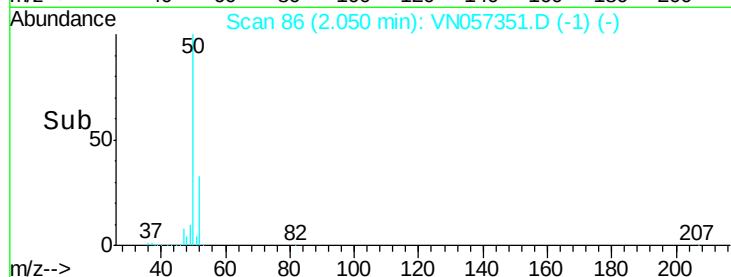
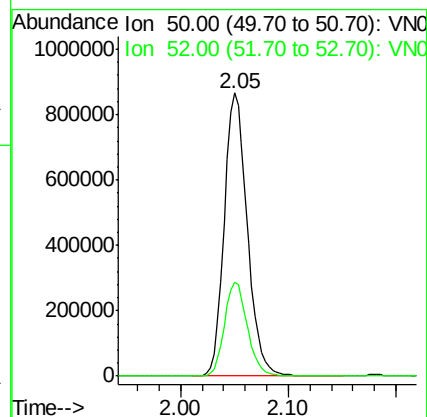
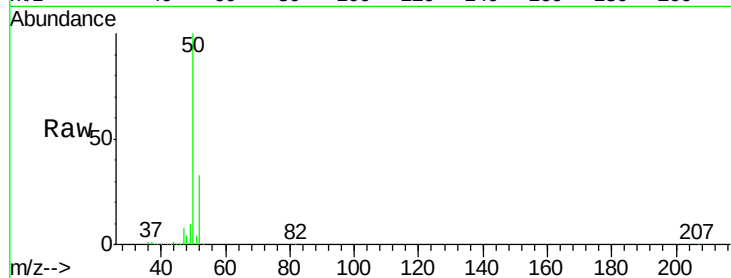
VSTDIC150

Tot Ion: 50 Resp: 1282844

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



#4

Vinyl Chloride

Concen: 153.981 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057351.D

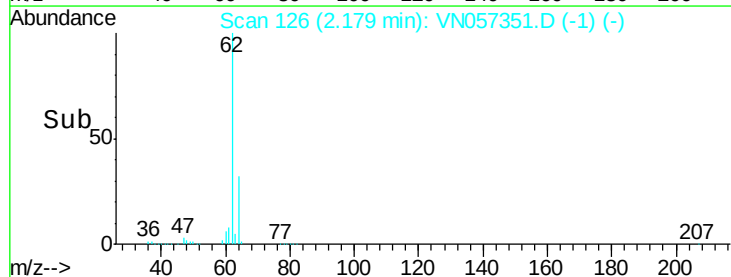
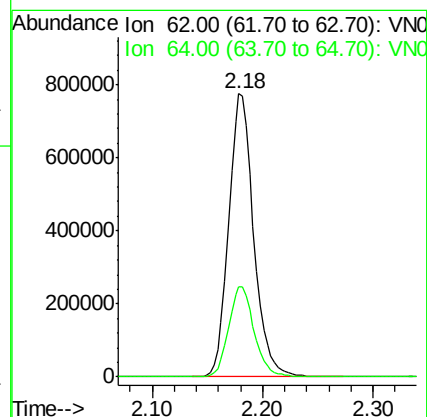
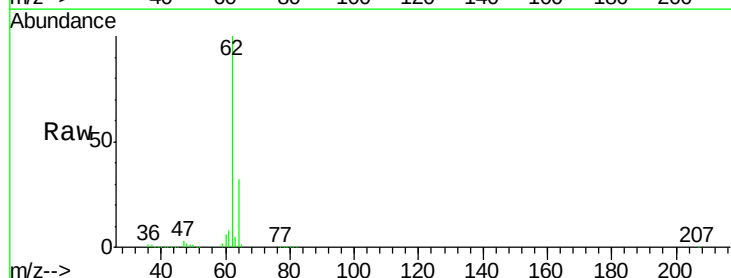
Acq: 16 Aug 2019 13:05

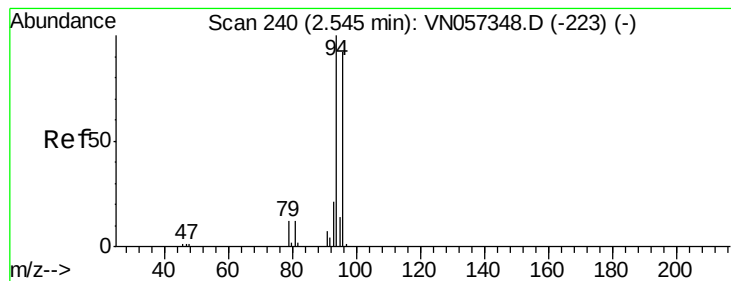
Tgt Ion: 62 Resp: 1215261

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 127.957 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

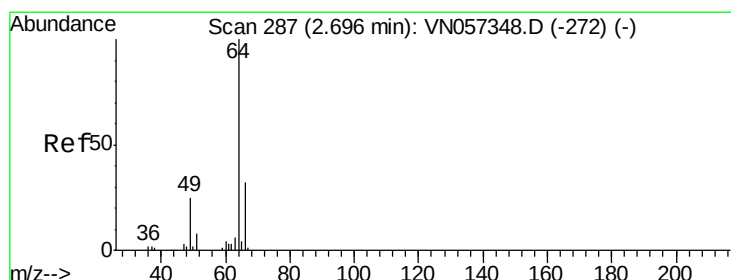
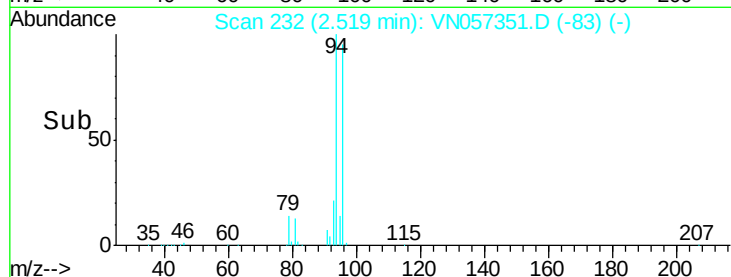
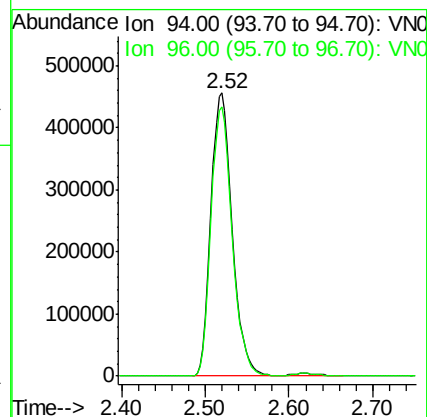
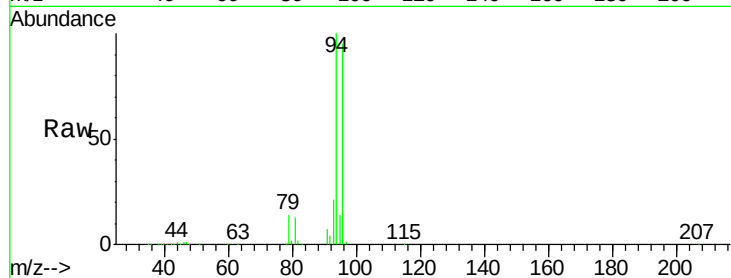
VSTDIC150

Tot Ion: 94 Resp: 813851

Ion Ratio Lower Upper

94 100

96 95.2 72.8 109.2



#6

Chloroethane

Concen: 149.226 ug/l m

RT: 2.68 min Scan# 281

Delta R.T. -0.02 min

Lab File: VN057351.D

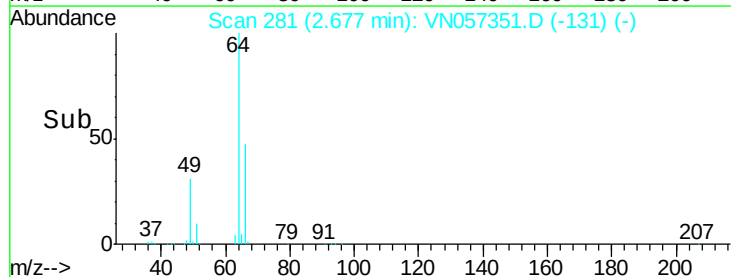
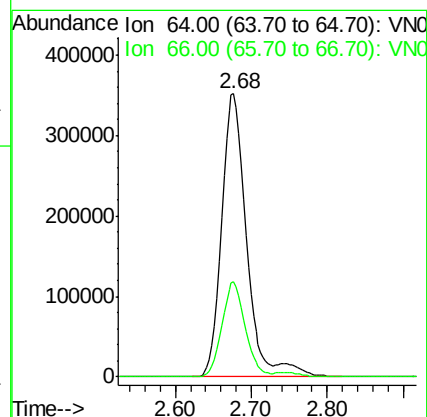
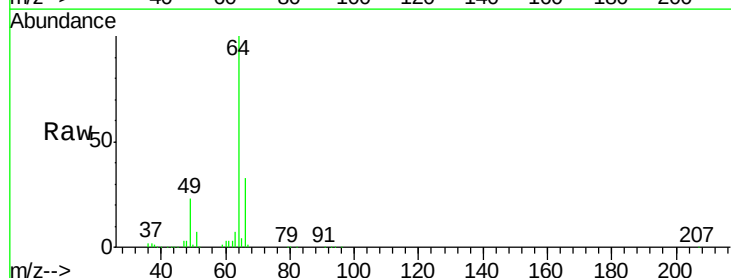
Acq: 16 Aug 2019 13:05

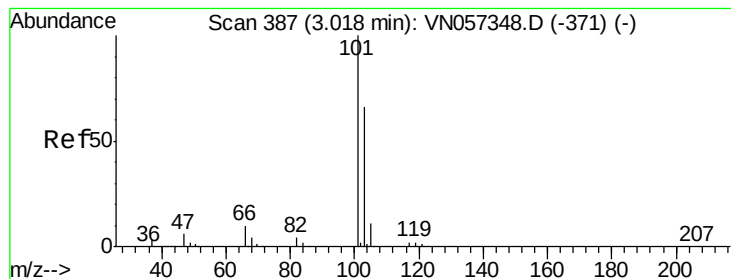
Tgt Ion: 64 Resp: 811870

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5



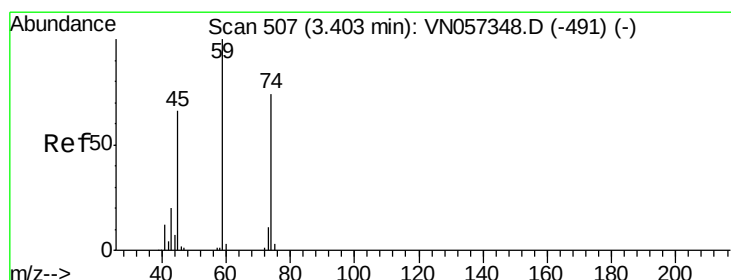
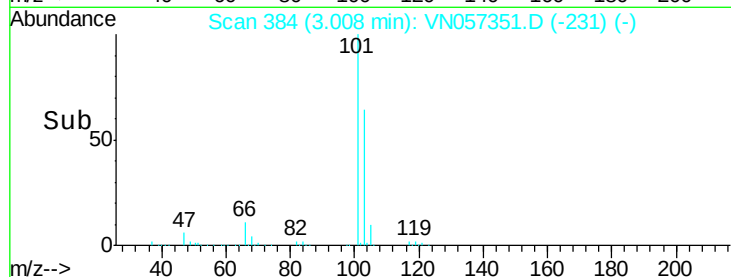
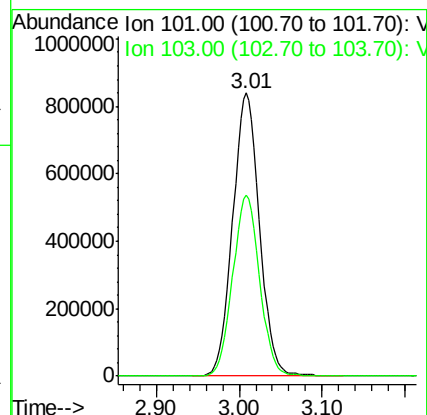
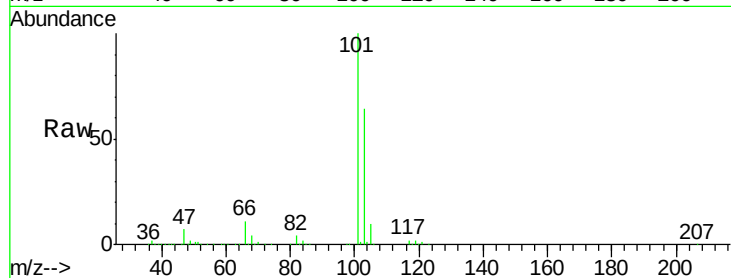


#7

Trichlorofluoromethane
Concen: 148.216 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

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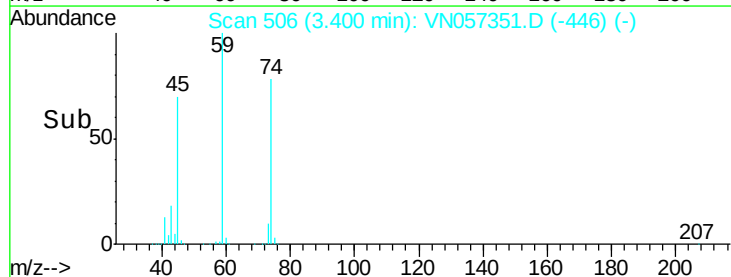
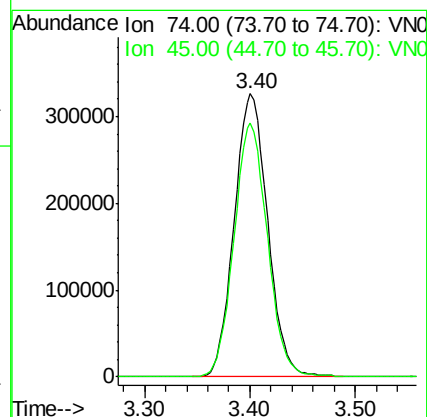
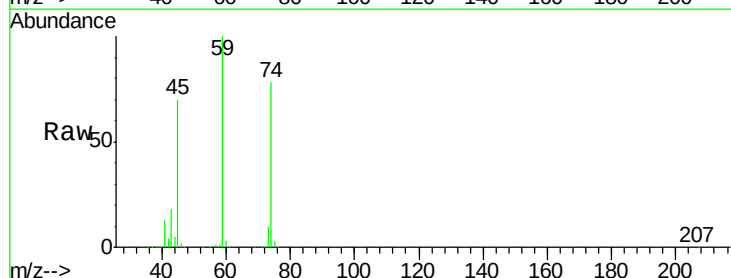
Tot Ion:101 Resp: 1889186
Ion Ratio Lower Upper
101 100
103 64.1 52.8 79.2

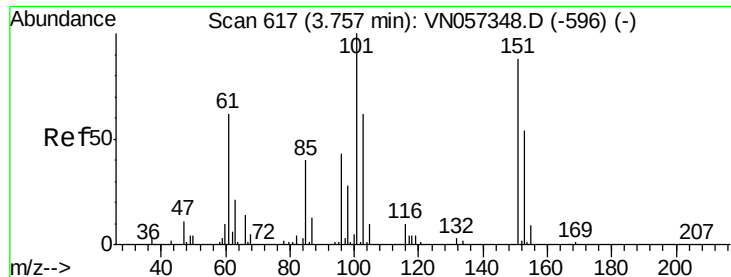


#8

Diethyl Ether
Concen: 154.602 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 74 Resp: 719074
Ion Ratio Lower Upper
74 100
45 89.3 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.979 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

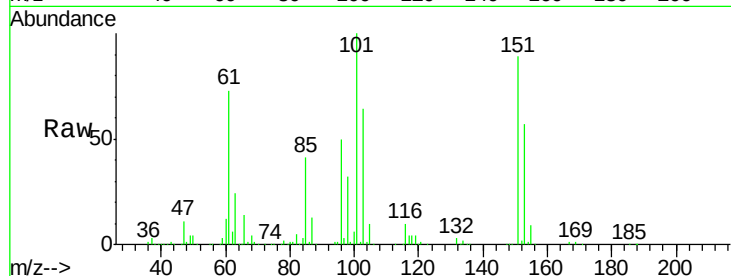
Tot Ion:101 Resp: 1123509

Ion Ratio Lower Upper

101 100

85 41.1 0.0 84.2

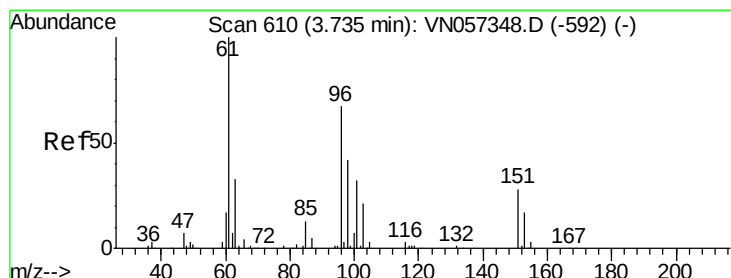
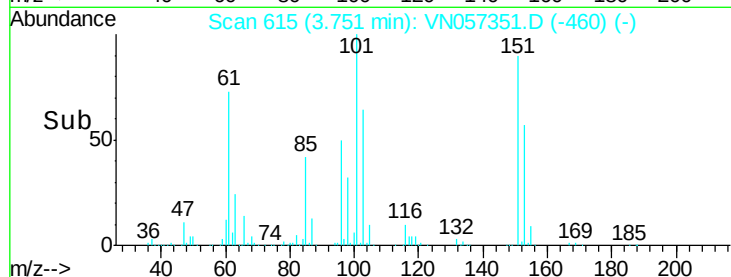
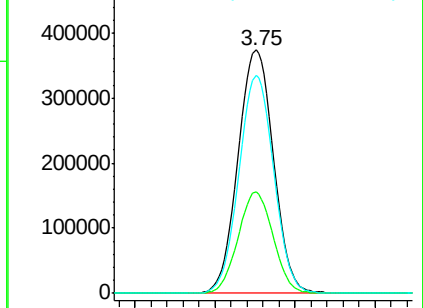
151 88.2 0.0 167.6



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: 152.260 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

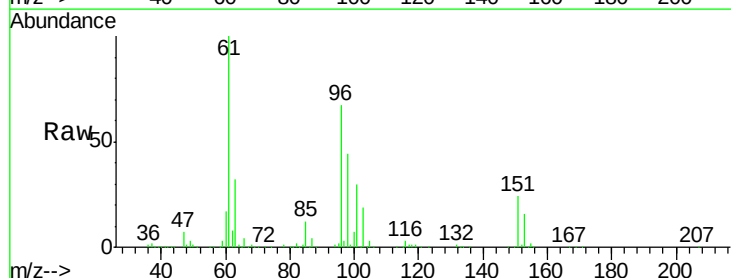
Tgt Ion: 96 Resp: 1139950

Ion Ratio Lower Upper

96 100

61 148.2 129.0 193.4

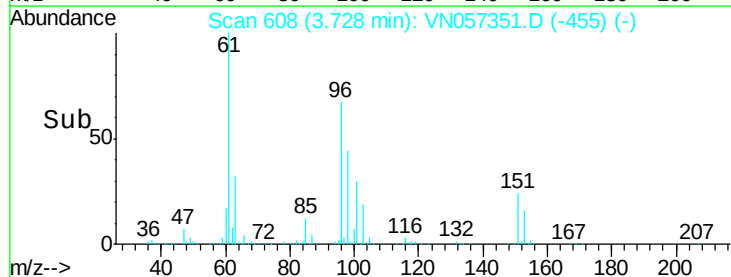
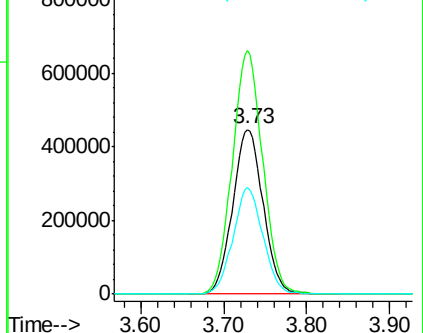
98 64.6 52.5 78.7

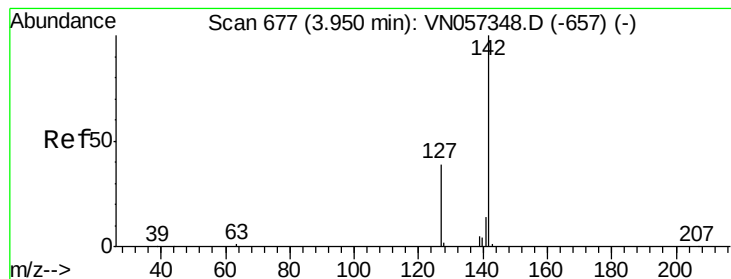


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 158.266 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

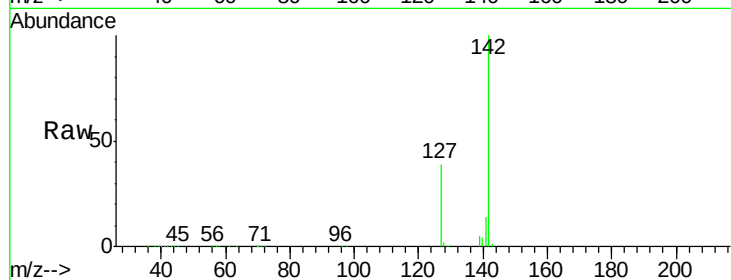
Tot Ion:142 Resp: 1982295

Ion Ratio Lower Upper

142 100

127 38.7 19.5 58.5

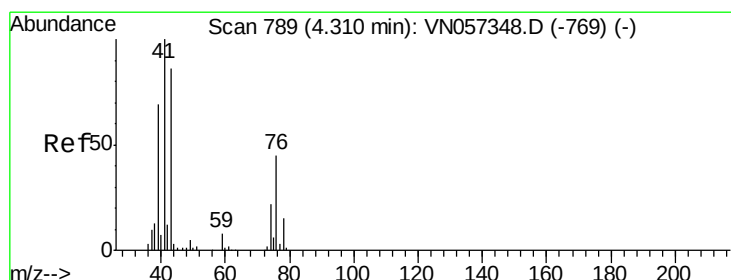
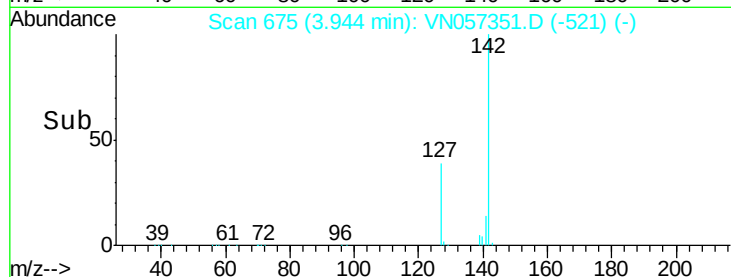
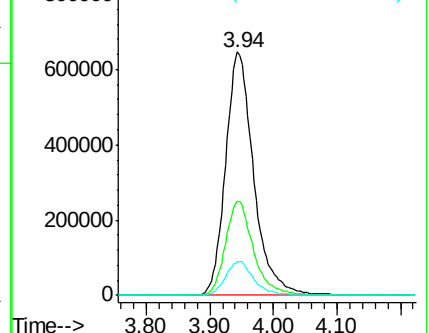
141 13.9 6.8 20.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 139.800 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057351.D

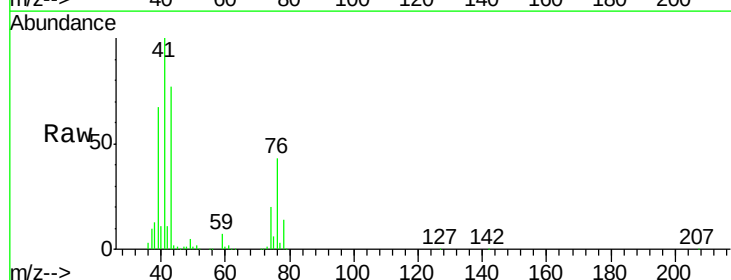
Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 1196555

Ion Ratio Lower Upper

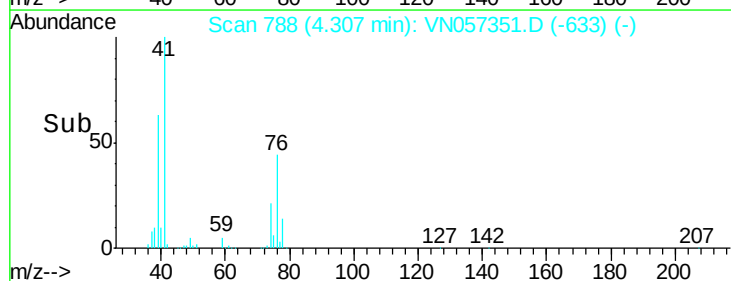
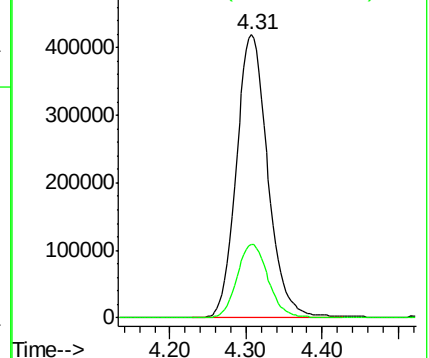
43 100

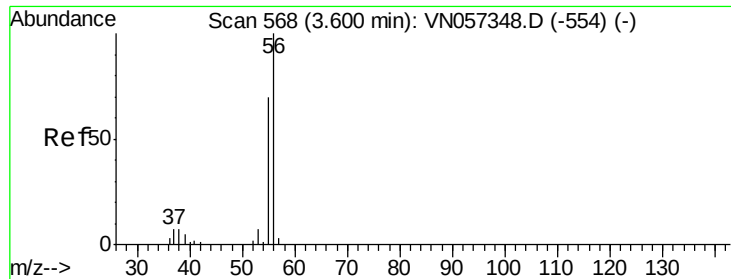
74 26.1 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 769.548 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

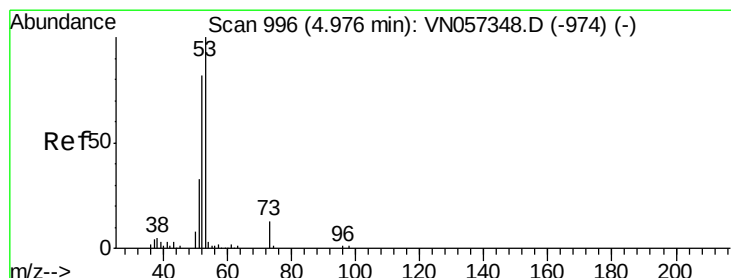
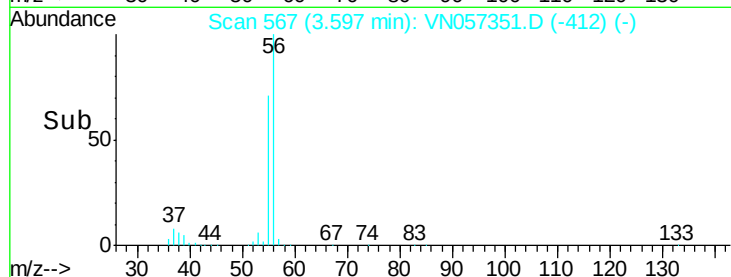
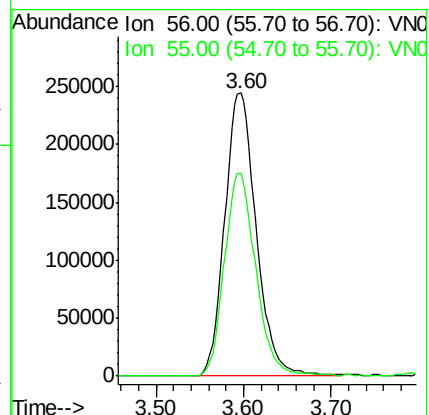
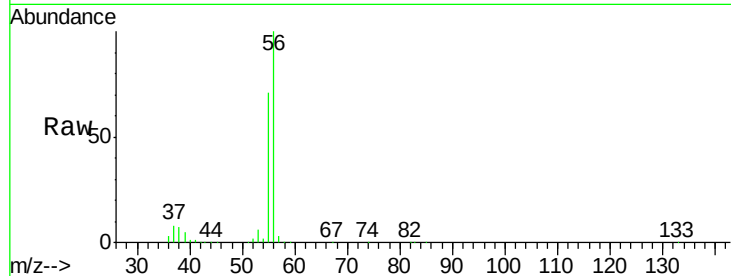
VSTDIC150

Tot Ion: 56 Resp: 611195

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



#14

Acrylonitrile

Concen: 788.600 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

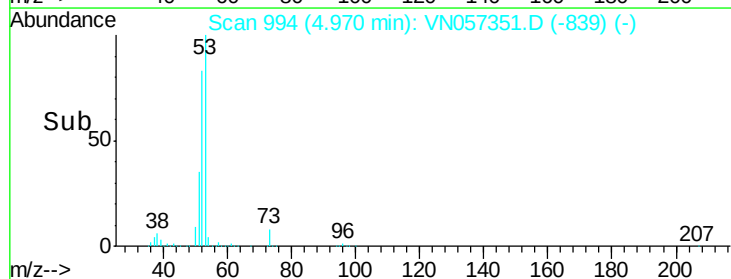
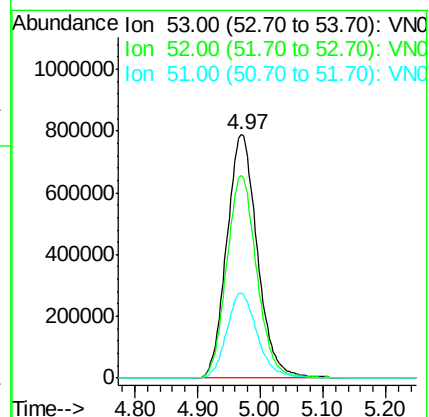
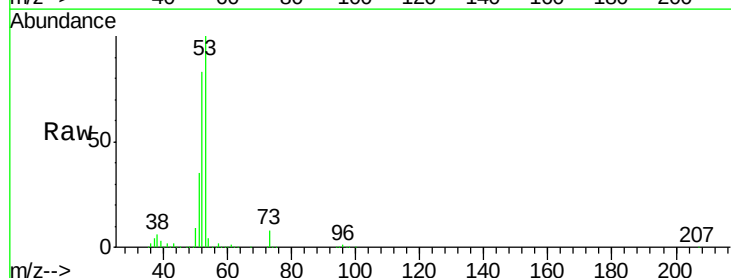
Tgt Ion: 53 Resp: 2669563

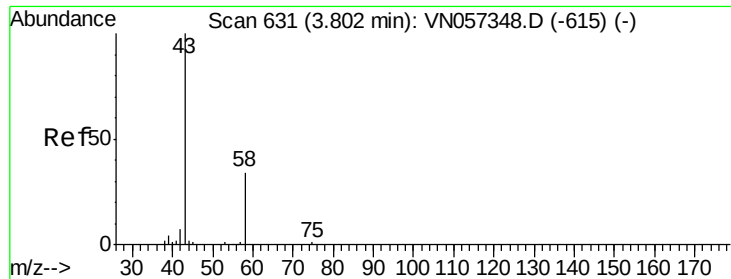
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.7

51 35.0 17.7 53.1





#15

Acetone

Concen: 706.902 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

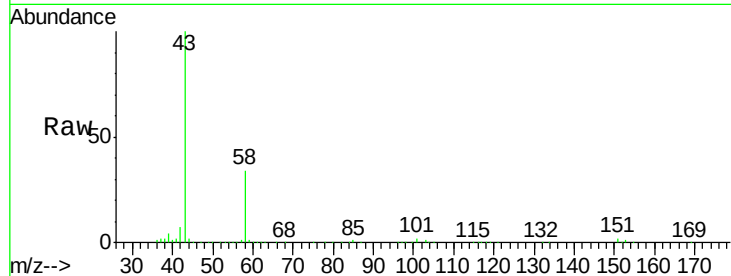
VSTDIC150

Tot Ion: 58 Resp: 720699

Ion Ratio Lower Upper

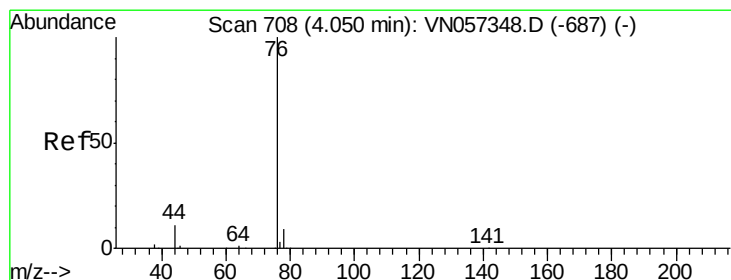
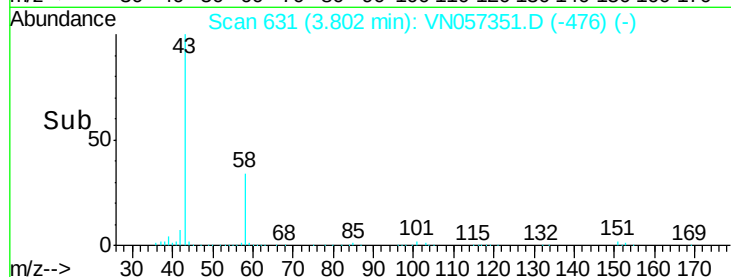
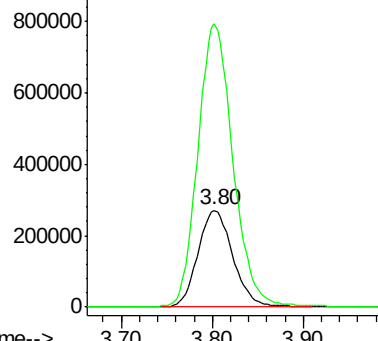
58 100

43 291.3 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 156.189 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057351.D

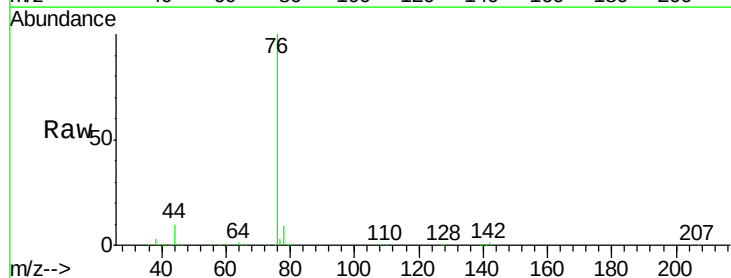
Acq: 16 Aug 2019 13:05

Tgt Ion: 76 Resp: 3179852

Ion Ratio Lower Upper

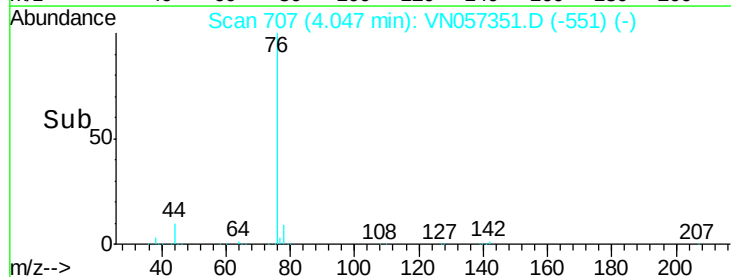
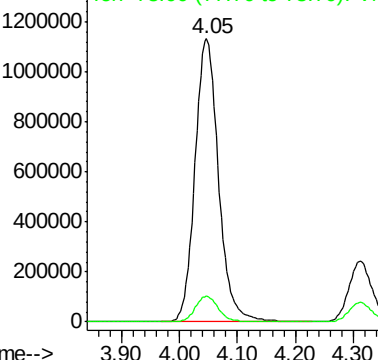
76 100

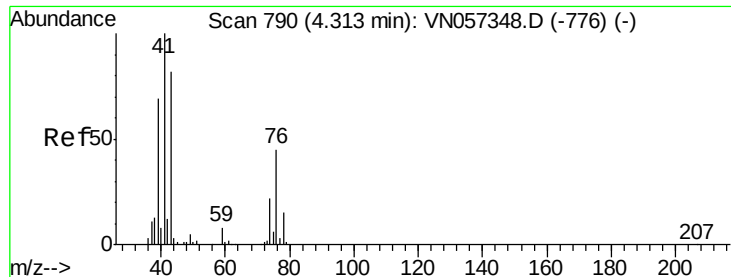
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

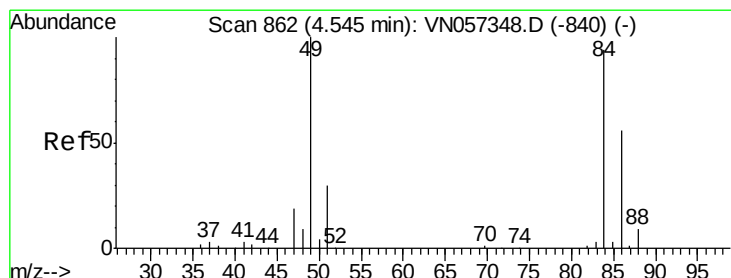
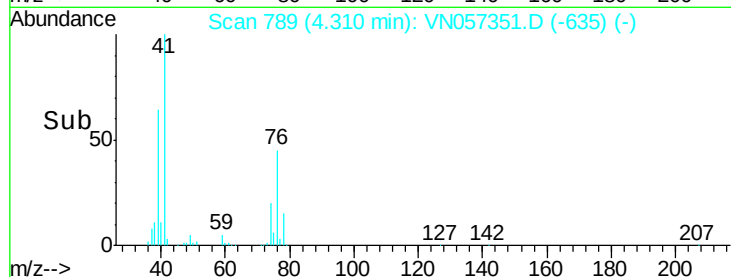
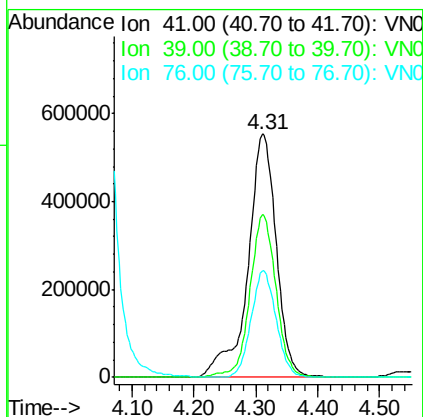
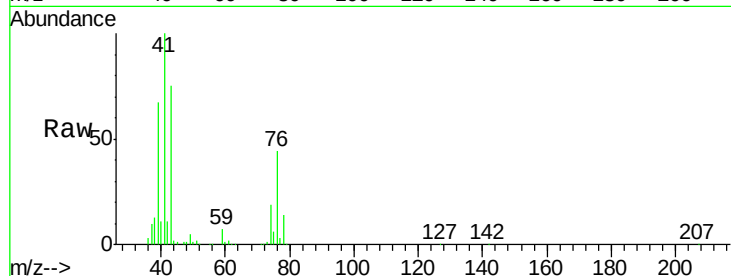




#17
Allvl chloride
Concen: 164.432 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

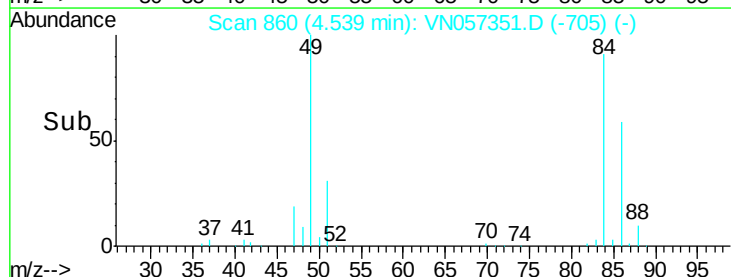
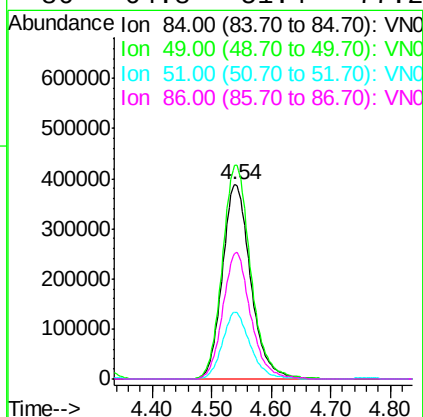
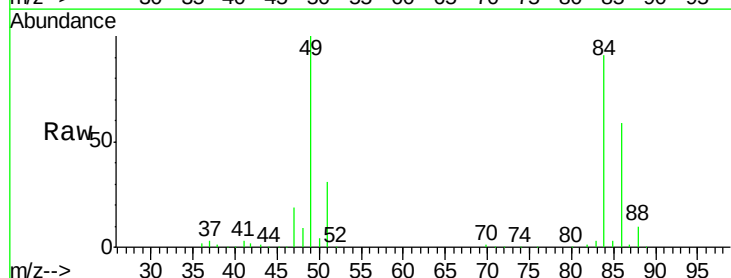
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

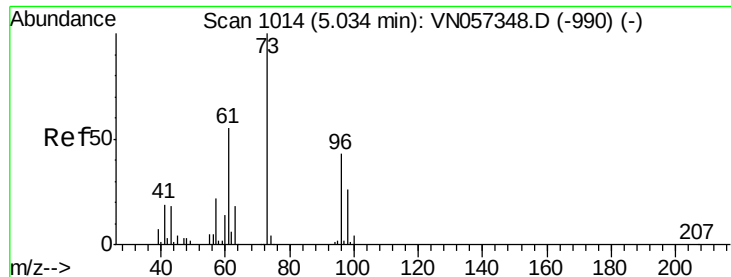
Tot Ion: 41 Resp: 1769505
Ion Ratio Lower Upper
41 100
39 67.0 32.8 98.4
76 44.0 18.5 55.5



#18
Methylene Chloride
Concen: 149.311 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 84 Resp: 1284484
Ion Ratio Lower Upper
84 100
49 109.8 93.9 140.9
51 34.5 31.7 47.5
86 64.8 51.4 77.2

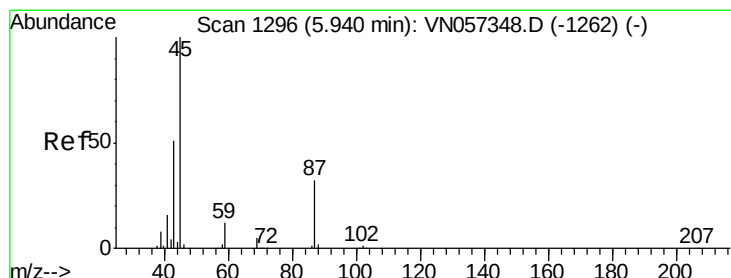
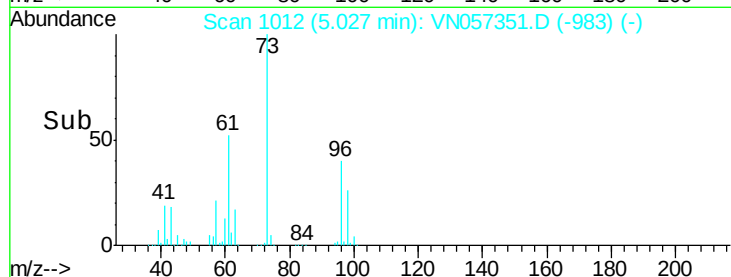
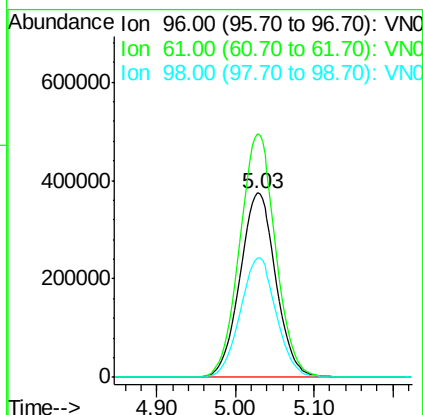
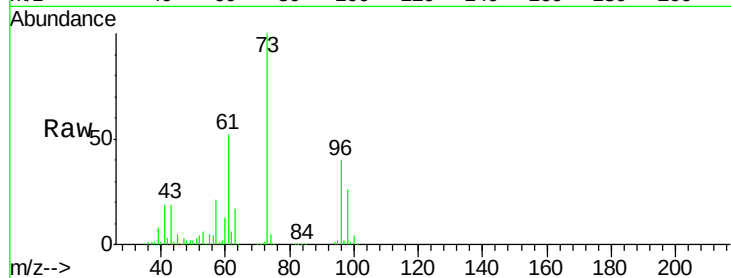




#19
trans-1,2-Dichloroethene
Concen: 147.815 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

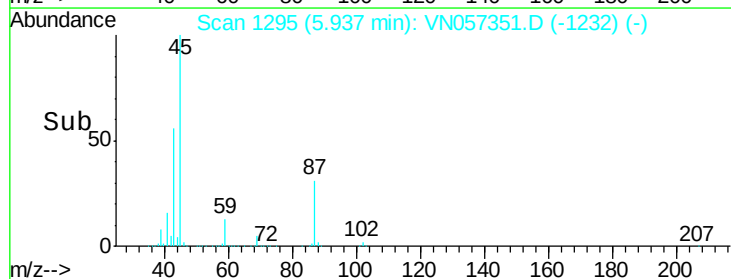
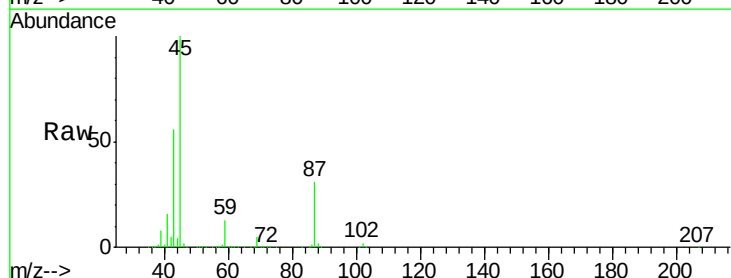
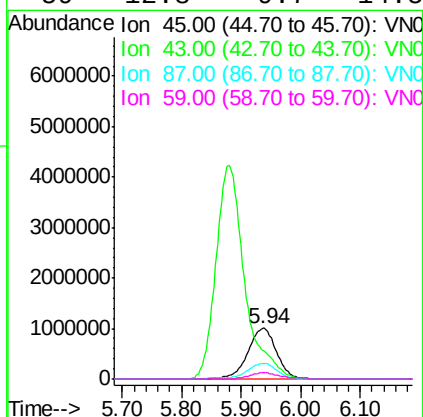
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

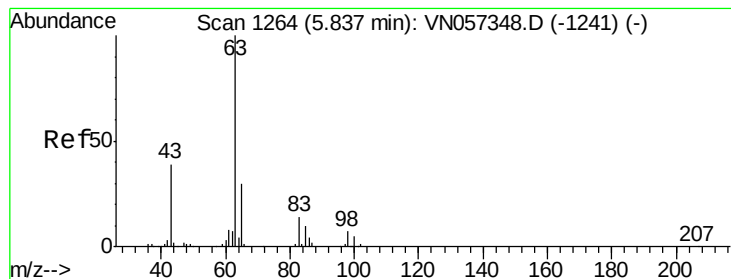
Tot Ion: 96 Resp: 1205504
Ion Ratio Lower Upper
96 100
61 132.0 109.6 164.4
98 65.0 51.4 77.2



#20
Diisopropyl ether
Concen: 148.207 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 45 Resp: 3393101
Ion Ratio Lower Upper
45 100
43 55.4 50.3 75.5
87 31.2 21.4 32.0
59 12.8 9.7 14.5





#21

1,1-Dichloroethane

Concen: 148.782 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

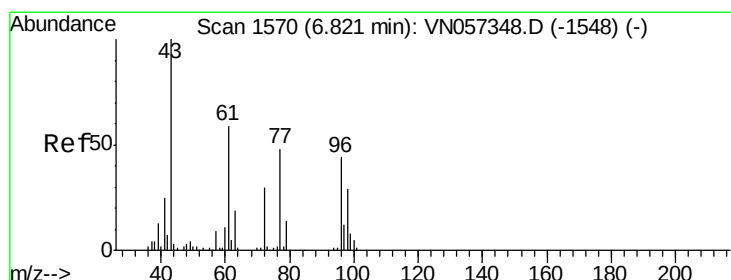
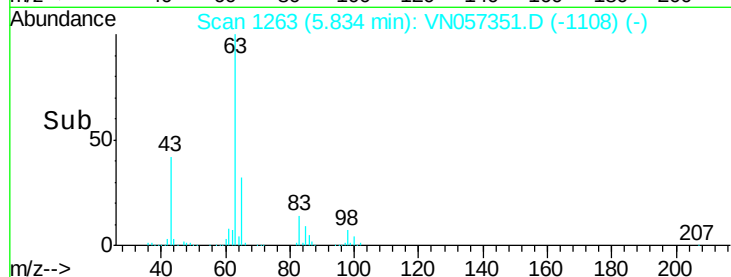
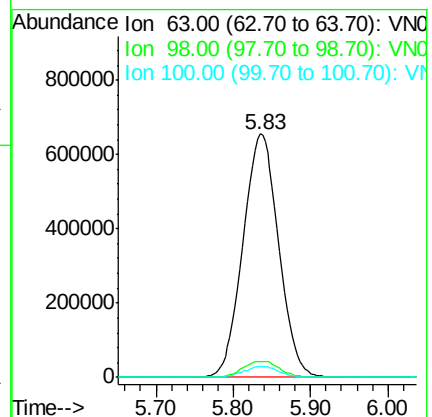
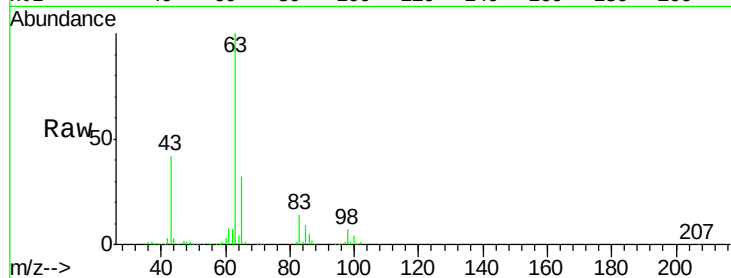
Tot Ion: 63 Resp: 2103079

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.4 2.1 6.3



#22

cis-1,2-Dichloroethene

Concen: 148.979 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

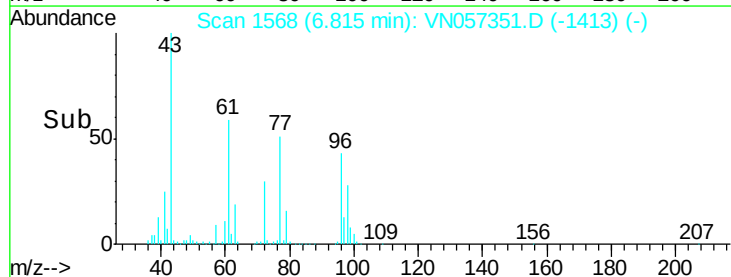
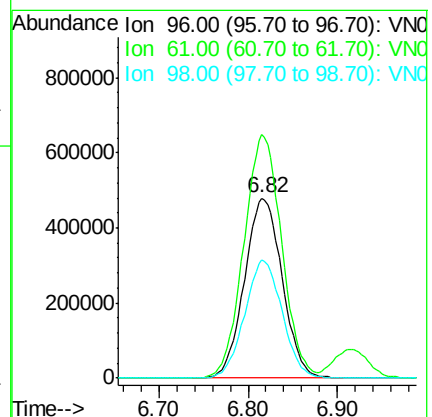
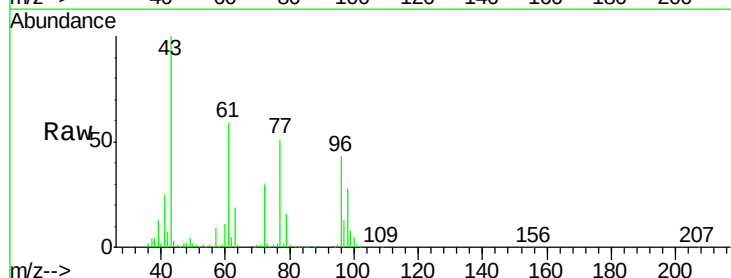
Tgt Ion: 96 Resp: 1405764

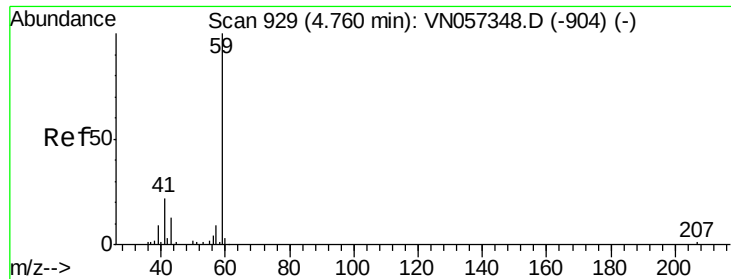
Ion Ratio Lower Upper

96 100

61 135.8 112.1 168.1

98 65.1 52.2 78.2





#23

tert-Butyl Alcohol

Concen: 797.858 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

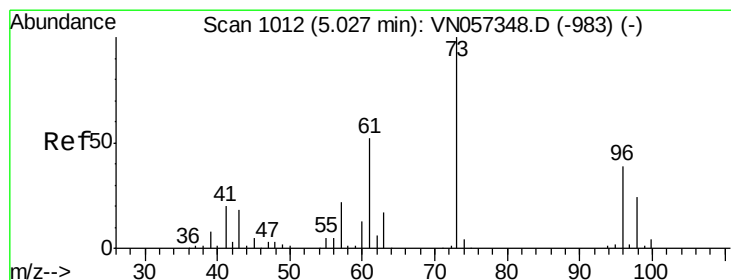
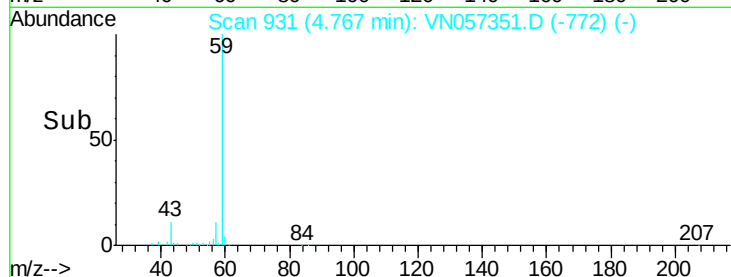
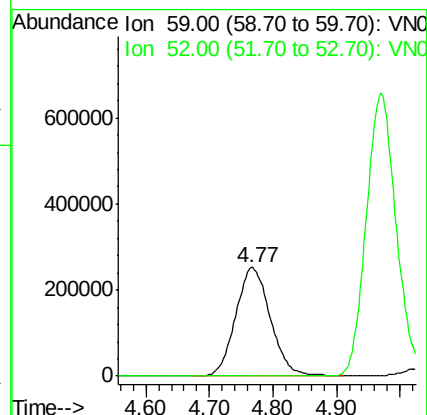
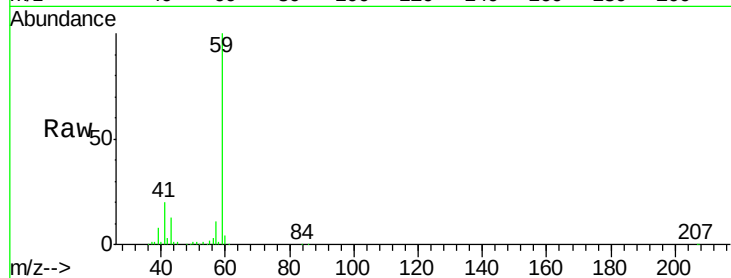
VSTDIC150

Tot Ion: 59 Resp: 960179

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 153.013 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN057351.D

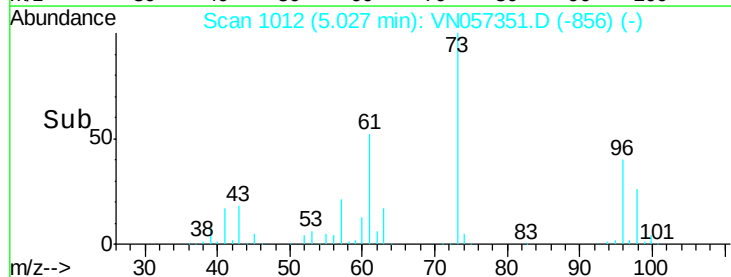
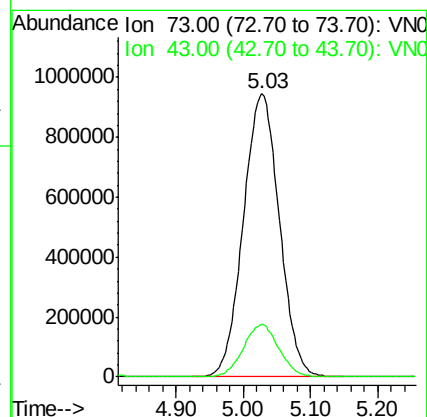
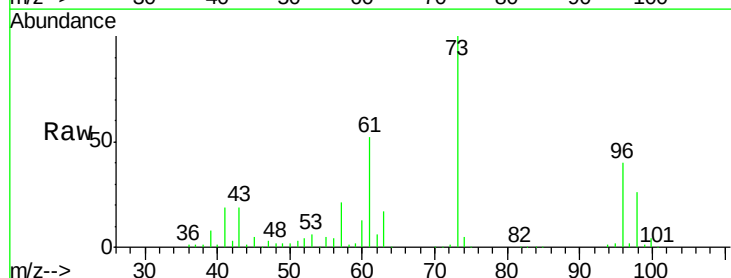
Acq: 16 Aug 2019 13:05

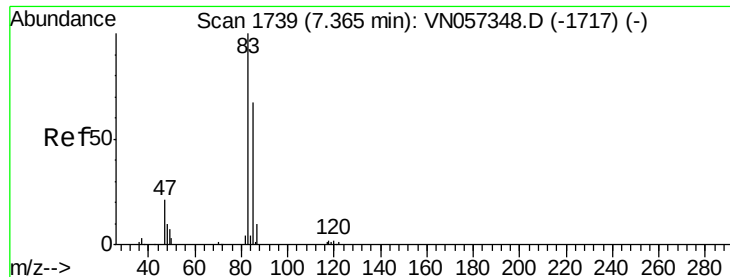
Tgt Ion: 73 Resp: 3512051

Ion Ratio Lower Upper

73 100

43 18.3 15.1 22.7





#25

Chloroform

Concen: 147.459 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

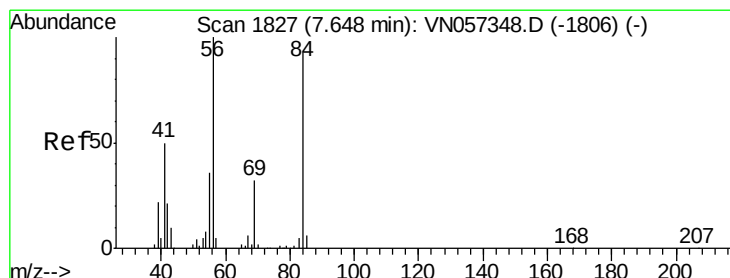
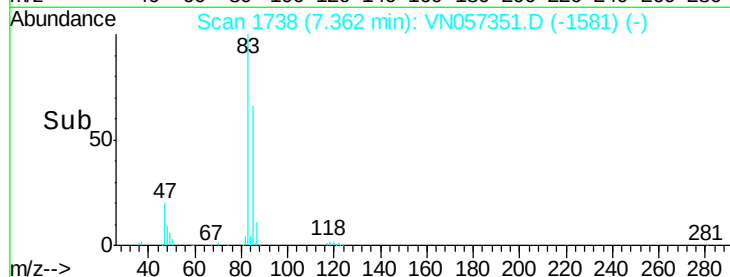
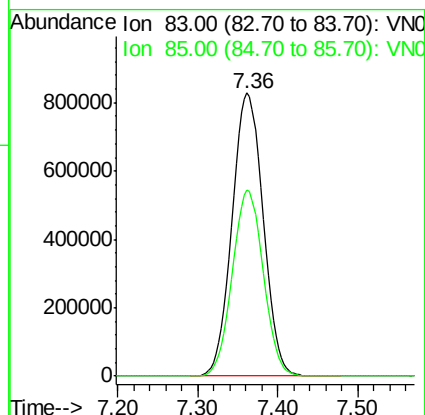
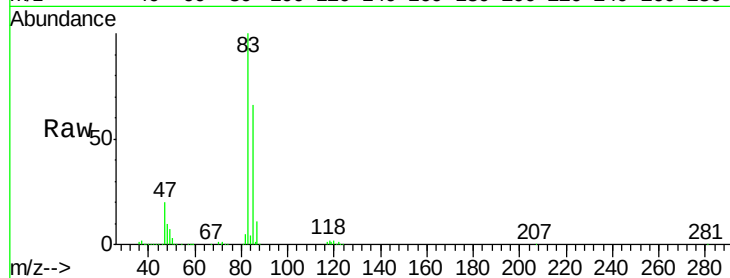
VSTDIC150

Tot Ion: 83 Resp: 2182442

Ion Ratio Lower Upper

83 100

85 65.7 52.6 79.0



#26

Cyclohexane

Concen: 151.385 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

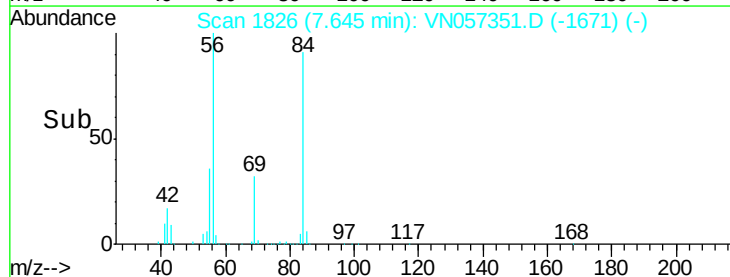
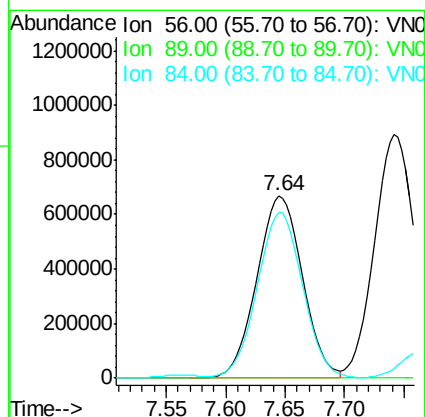
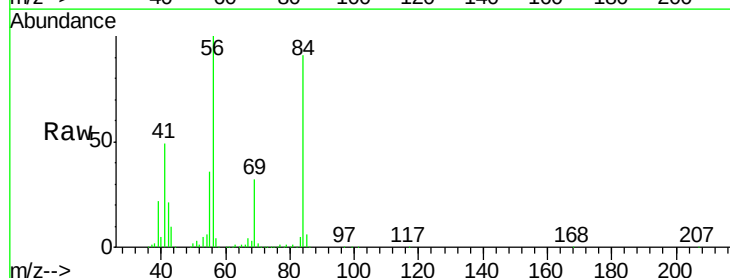
Tgt Ion: 56 Resp: 1772592

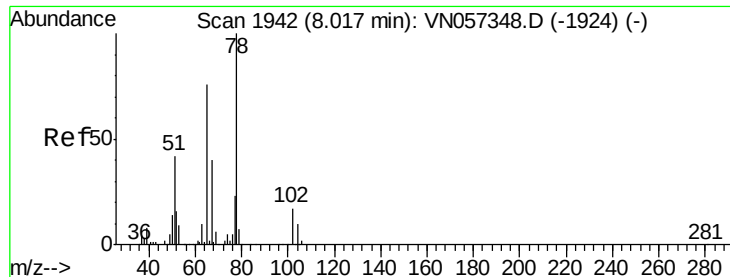
Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 90.9 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.572 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

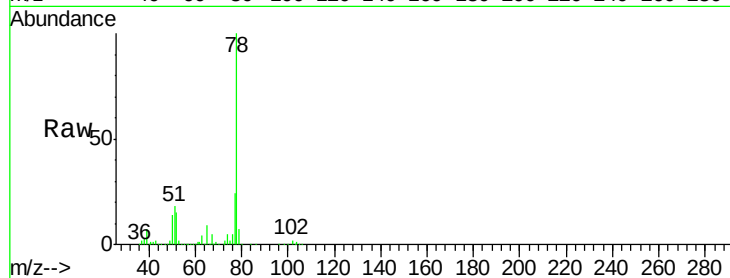
VSTDIC150

Tot Ion: 65 Resp: 265444

Ion Ratio Lower Upper

65 100

67 53.6 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN057348.D (-1924) (-)

Ion 67.00 (66.70 to 67.70): VN057348.D (-1924) (-)

8.02

120000

100000

80000

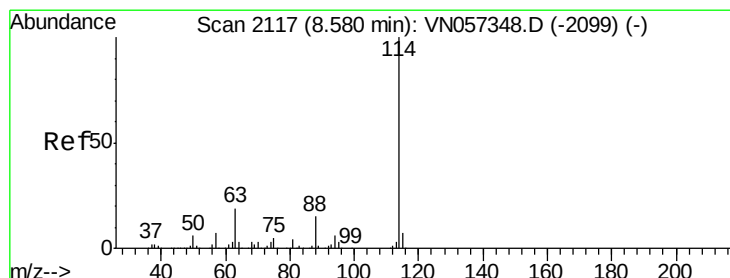
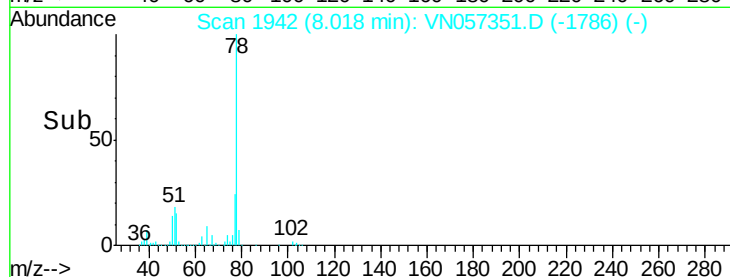
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

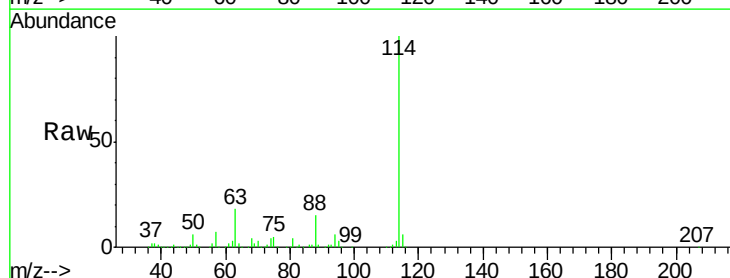
Tgt Ion: 114 Resp: 763133

Ion Ratio Lower Upper

114 100

63 18.0 16.2 24.2

88 14.7 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN057348.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057348.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN057348.D (-2099) (-)

8.58

500000

400000

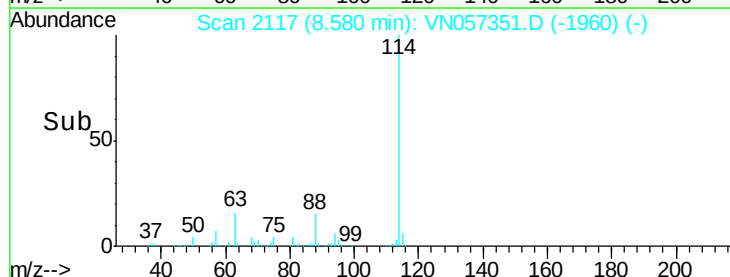
300000

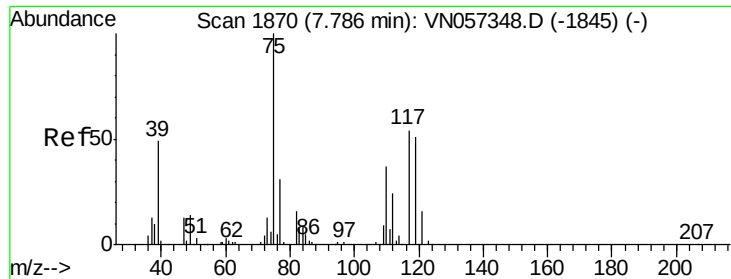
200000

100000

0

Time-->

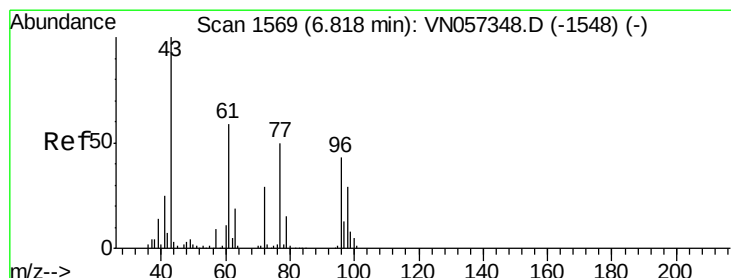
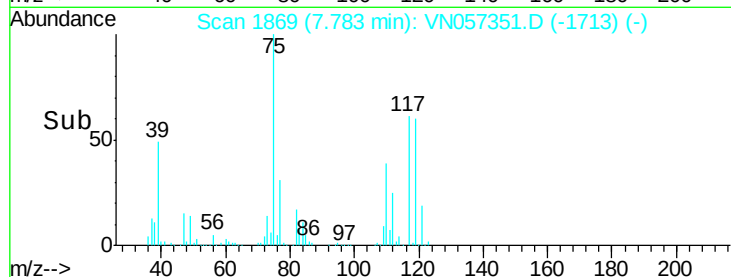
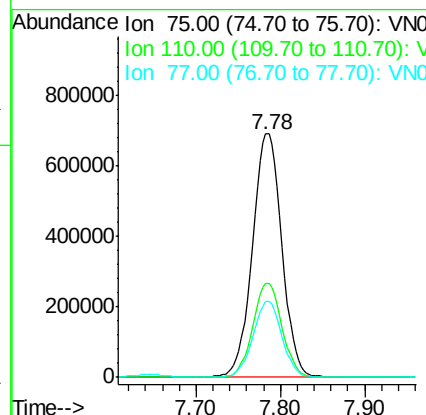
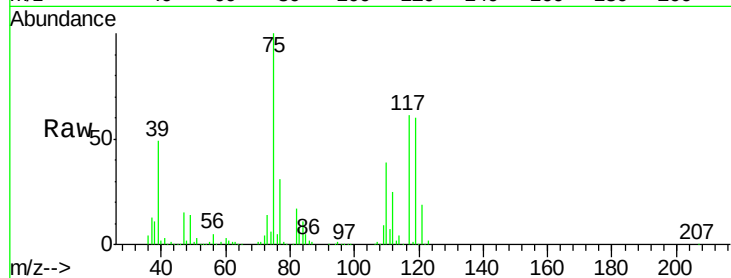




#29
 1,1-Dichloropropene
 Concen: 150.616 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

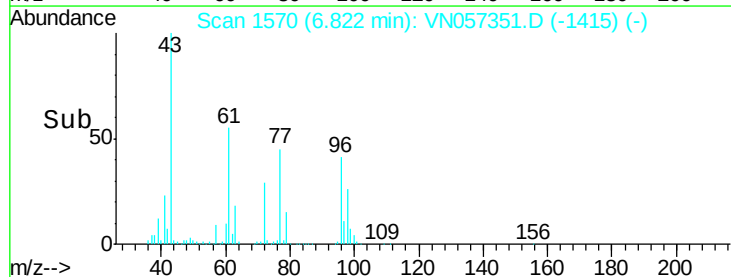
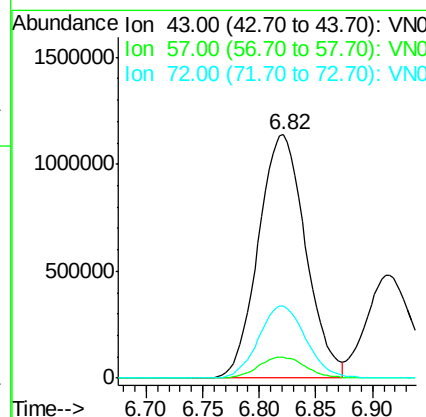
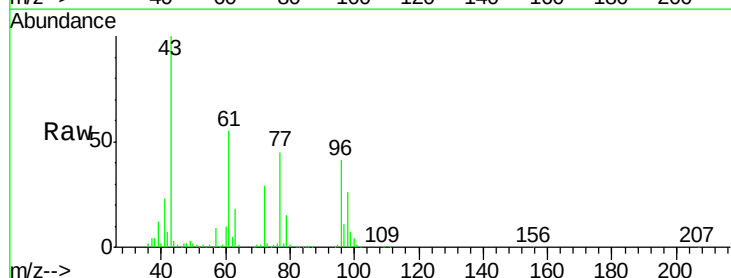
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

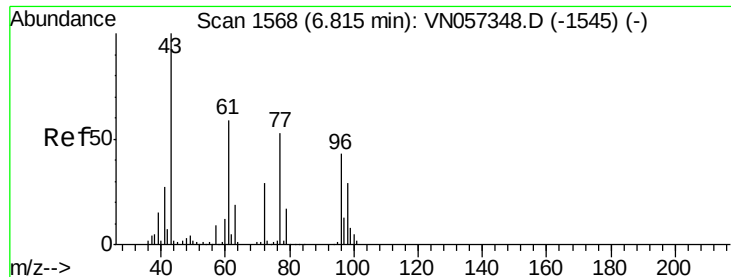
Tot Ion: 75 Resp: 1670604
 Ion Ratio Lower Upper
 75 100
 110 38.2 0.0 72.4
 77 30.8 0.0 62.2



#30
 2-Butanone
 Concen: 751.406 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 3289742
 Ion Ratio Lower Upper
 43 100
 57 8.7 6.6 10.0
 72 29.8 21.3 31.9





#31

2,2-Dichloropropane

Concen: 147.023 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

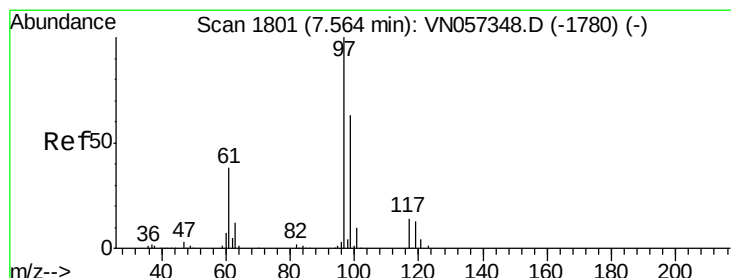
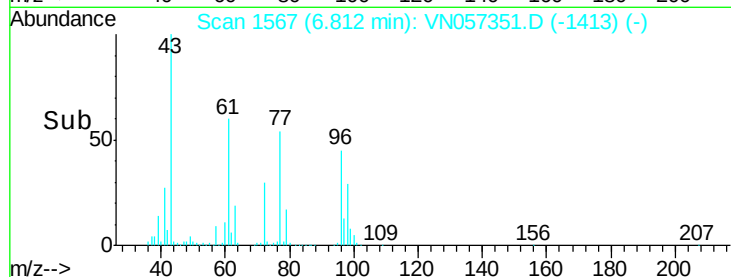
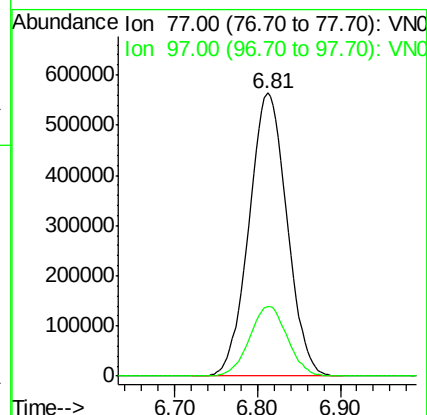
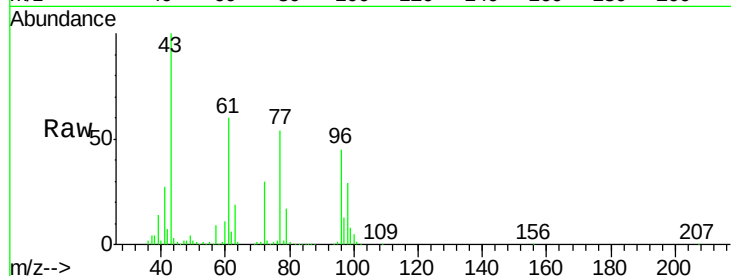
VSTDIC150

Tot Ion: 77 Resp: 1795019

Ion Ratio Lower Upper

77 100

97 24.6 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 150.890 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

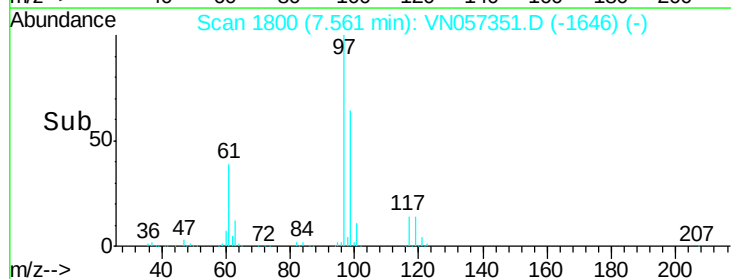
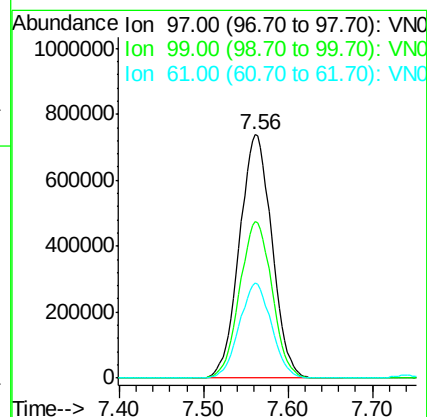
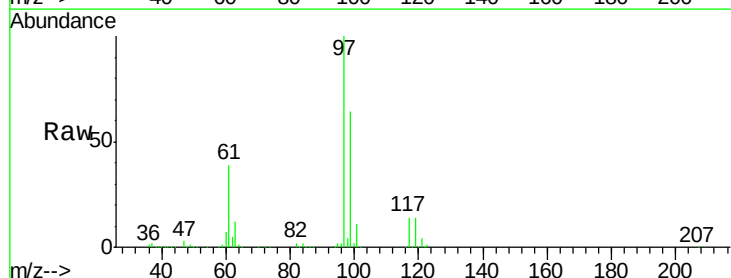
Tgt Ion: 97 Resp: 1977824

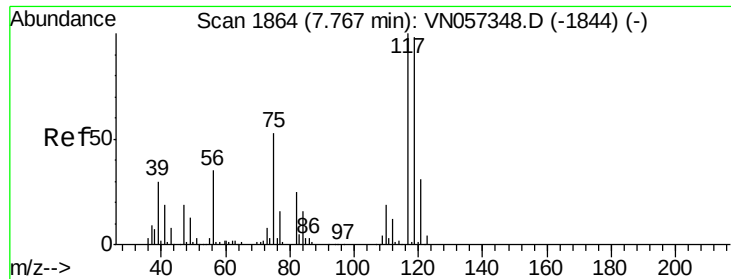
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 38.7 34.4 51.6

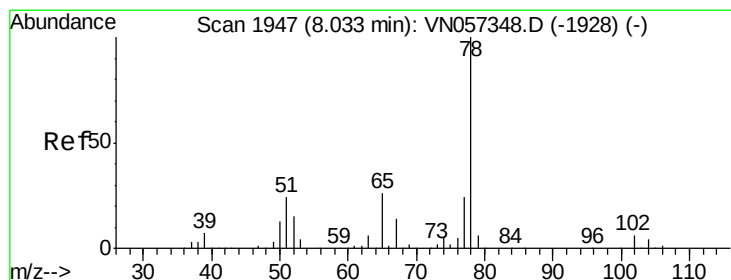
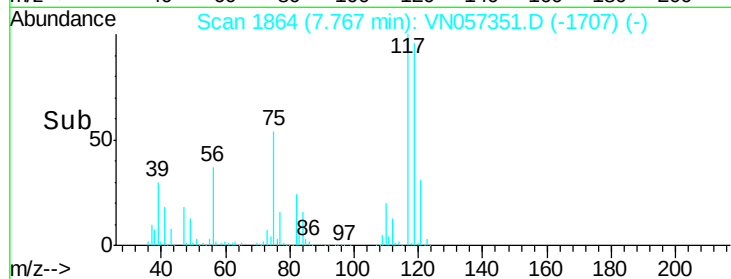
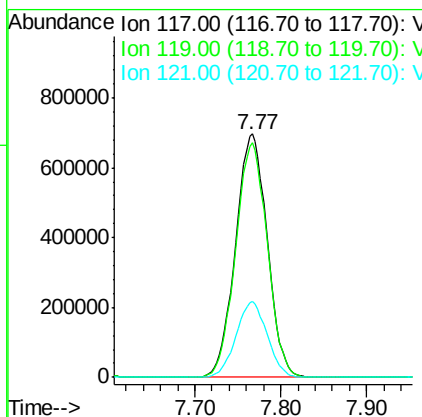
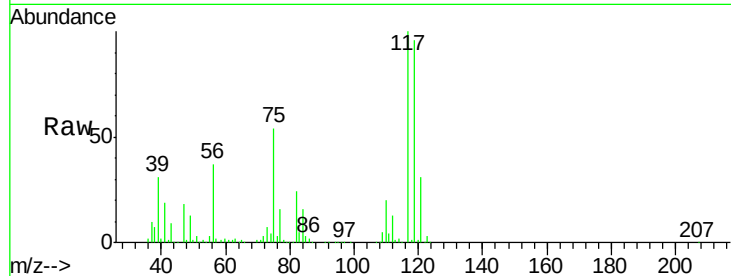




#33
Carbon Tetrachloride
Concen: 153.468 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

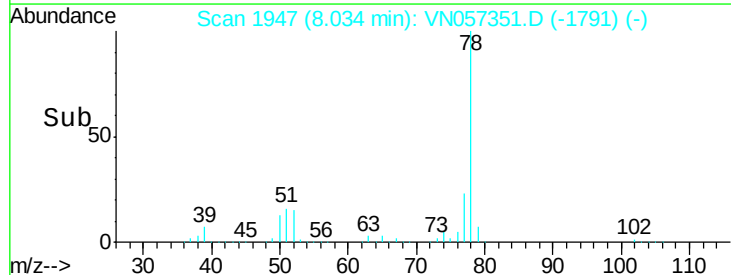
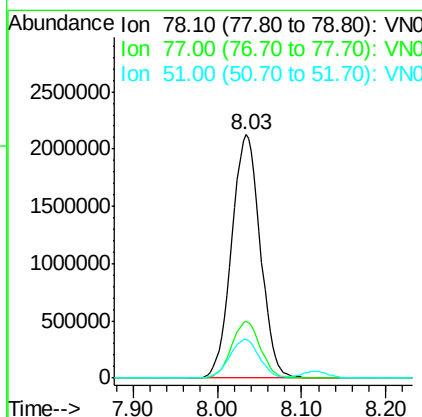
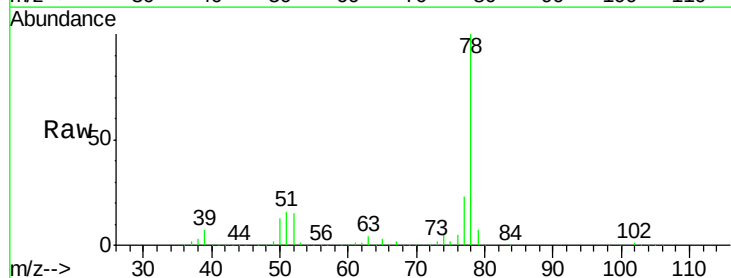
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

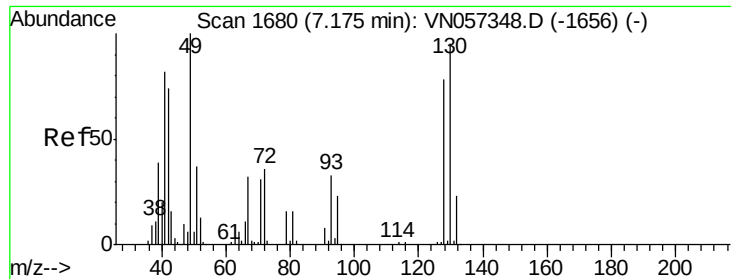
Tot Ion:117 Resp: 1785087
Ion Ratio Lower Upper
117 100
119 96.2 78.7 118.1
121 31.1 24.0 36.0



#34
Benzene
Concen: 149.249 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 78 Resp: 5031262
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4
51 16.0 19.7 29.5#

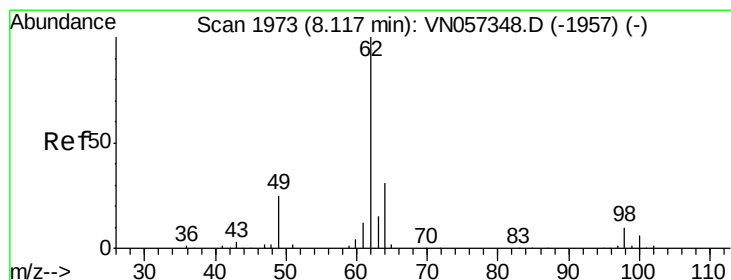
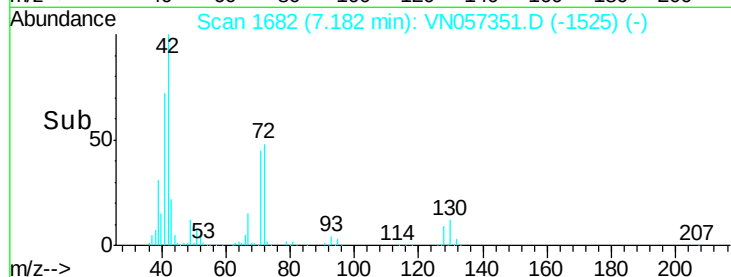
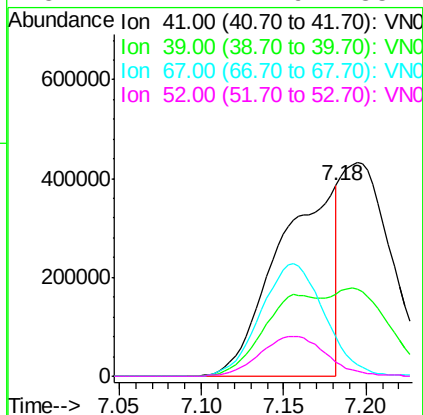
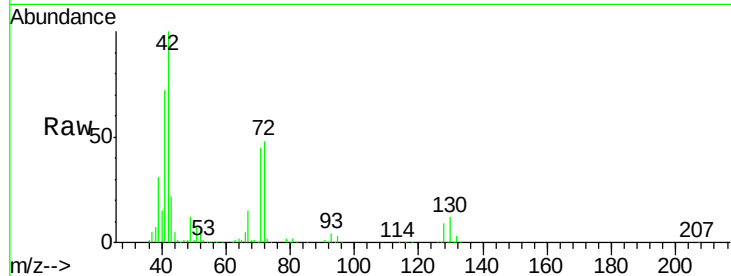




#35
Methacrylonitrile
Concen: 165.038 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

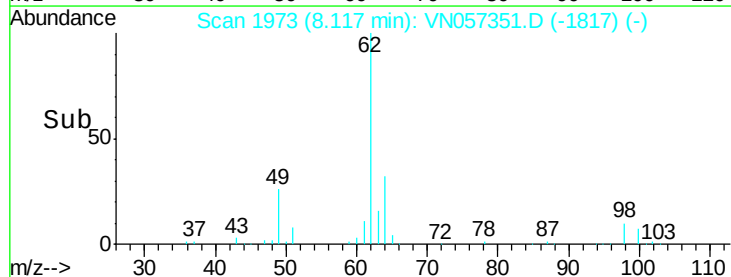
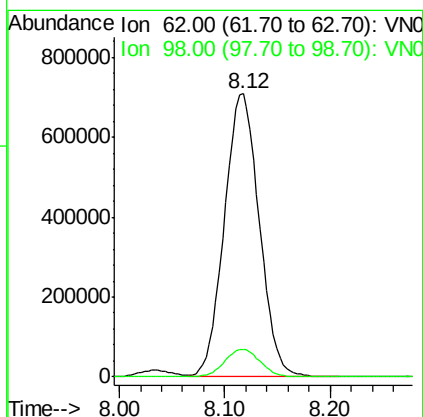
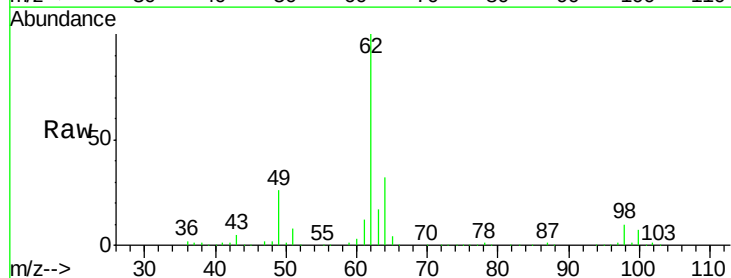
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

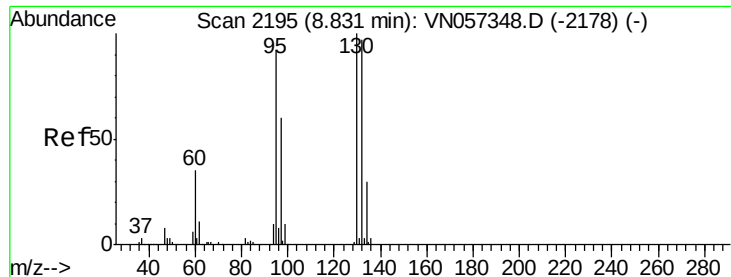
Tot Ion: 41 Resp: 968114
Ion Ratio Lower Upper
41 100
39 43.3 25.4 76.2
67 20.7 33.6 100.8#
52 7.7 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 147.731 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 62 Resp: 1621767
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5





#37

Trichloroethene

Concen: 148.564 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

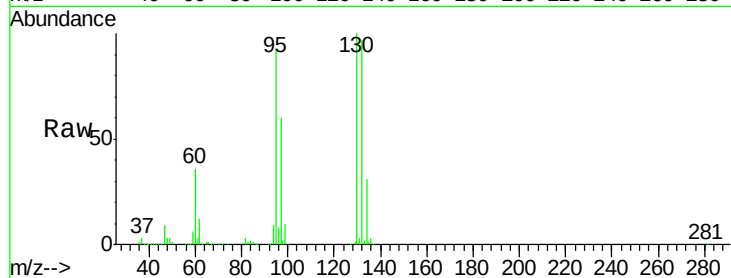
VSTDIC150

Tot Ion:130 Resp: 1459143

Ion Ratio Lower Upper

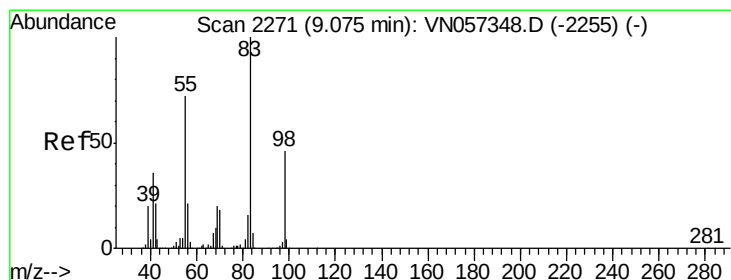
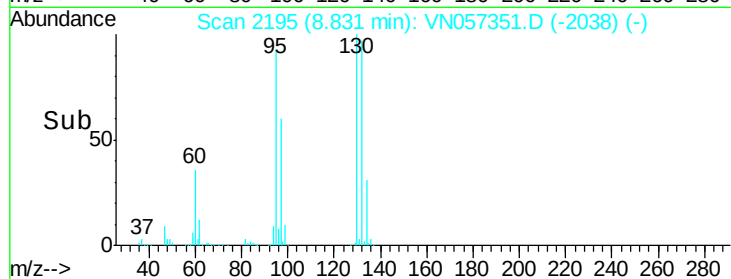
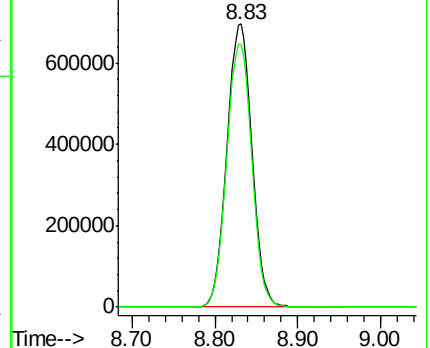
130 100

95 92.8 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 151.351 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

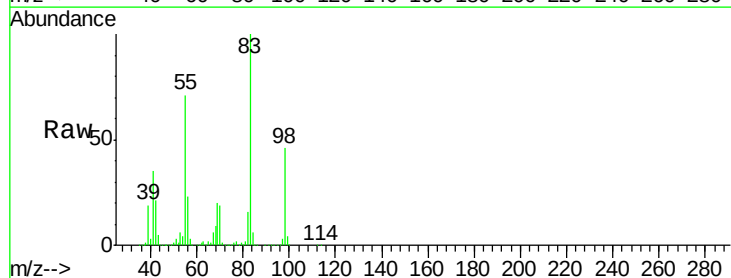
Tgt Ion: 83 Resp: 1986209

Ion Ratio Lower Upper

83 100

55 70.8 38.4 115.2

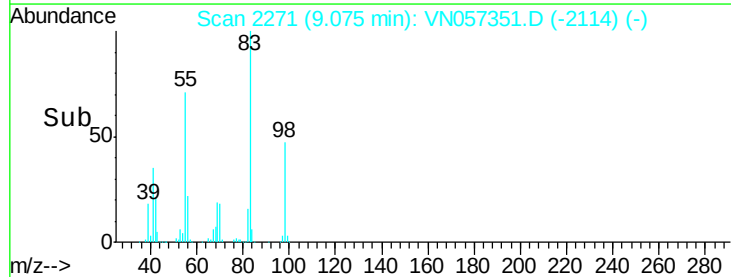
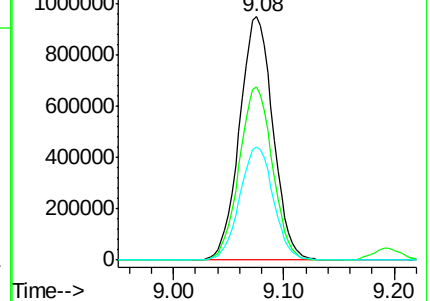
98 46.9 23.3 69.9

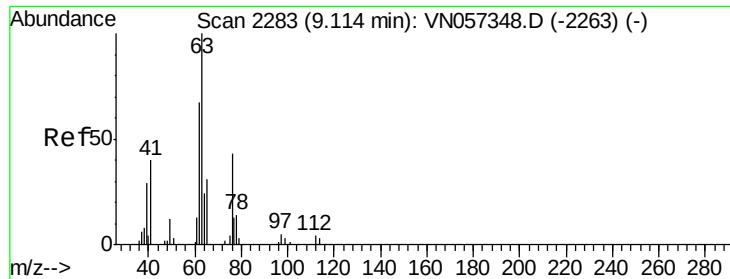


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 149.702 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

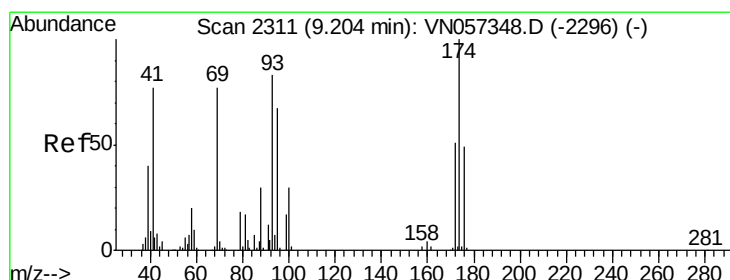
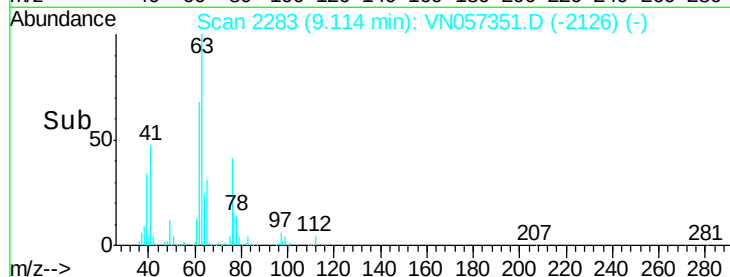
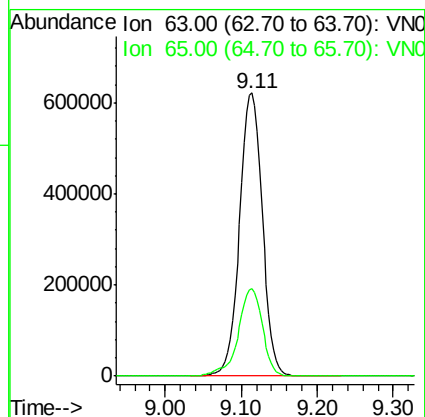
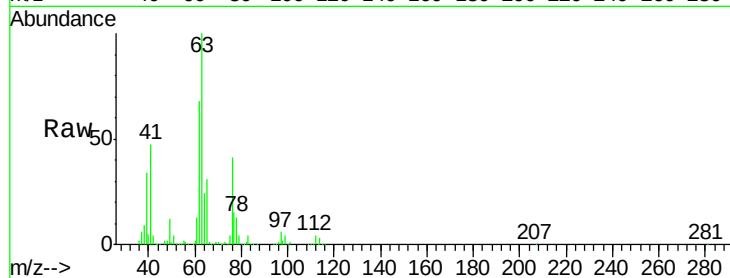
VSTDIC150

Tot Ion: 63 Resp: 1289053

Ion Ratio Lower Upper

63 100

65 31.0 24.6 36.8



#40

Dibromomethane

Concen: 150.352 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

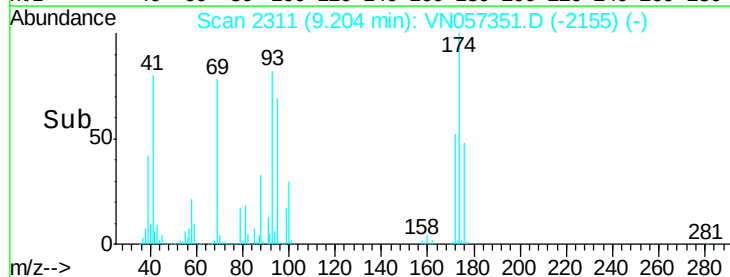
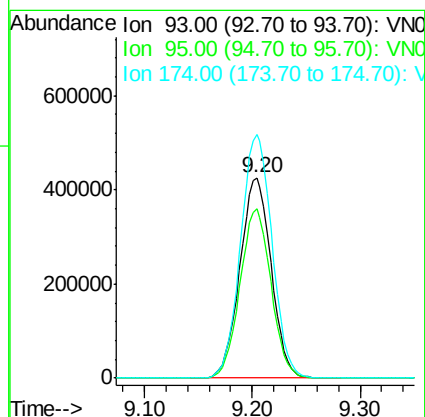
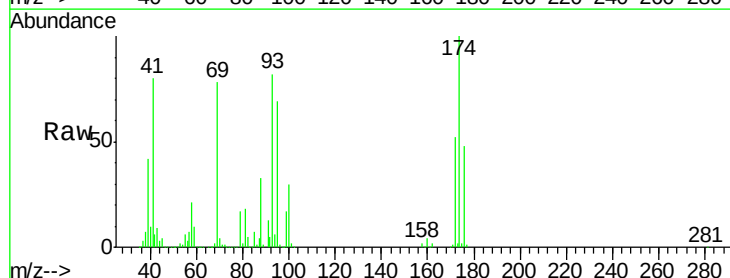
Tgt Ion: 93 Resp: 860526

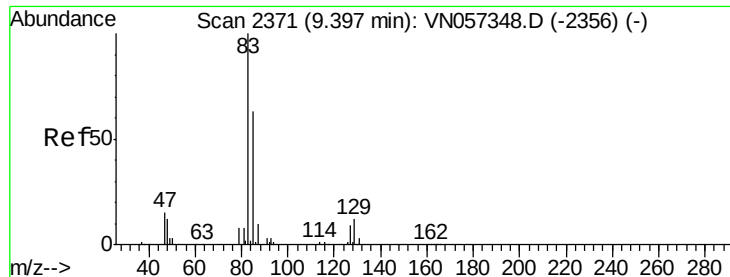
Ion Ratio Lower Upper

93 100

95 83.9 0.0 167.0

174 122.3 0.0 224.2





#41

Bromodichloromethane

Concen: 154.644 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

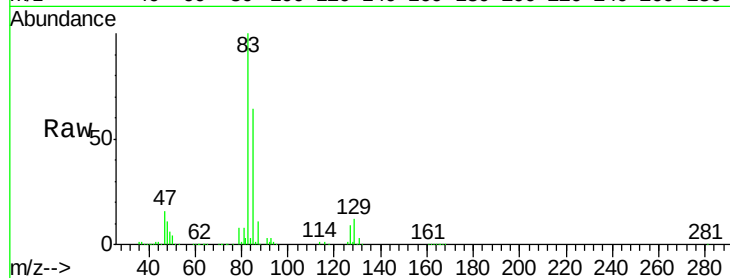
Tot Ion: 83 Resp: 1783233

Ion Ratio Lower Upper

83 100

85 64.3 50.1 75.1

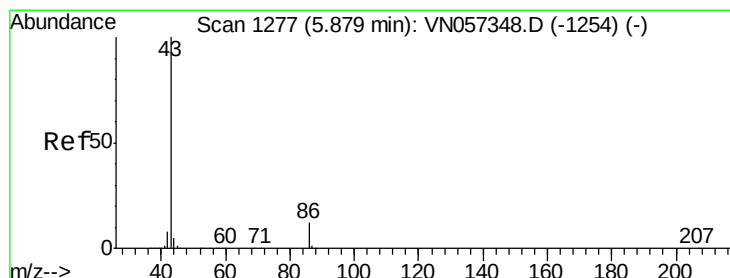
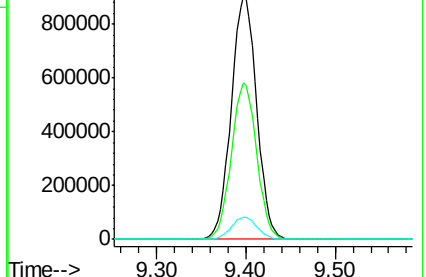
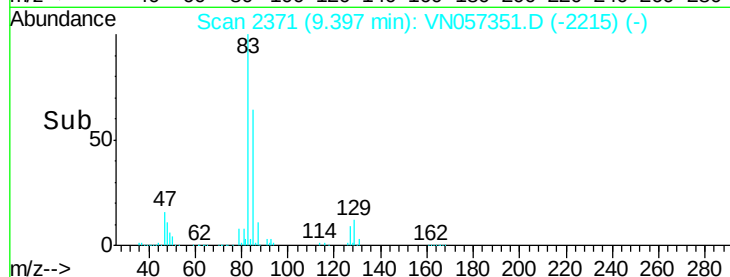
127 9.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN057351.D (-2215) (-)

Ion 85.00 (84.70 to 85.70): VN057351.D (-2215) (-)

Ion 127.00 (126.70 to 127.70): VN057351.D (-2215) (-)



#42

Vinyl Acetate

Concen: 772.810 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057351.D

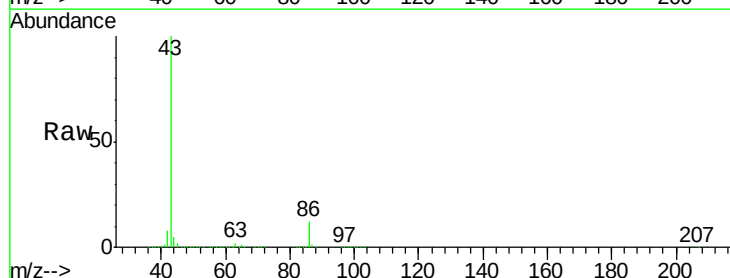
Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 14155856

Ion Ratio Lower Upper

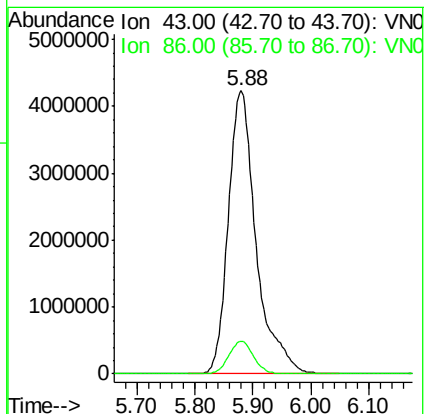
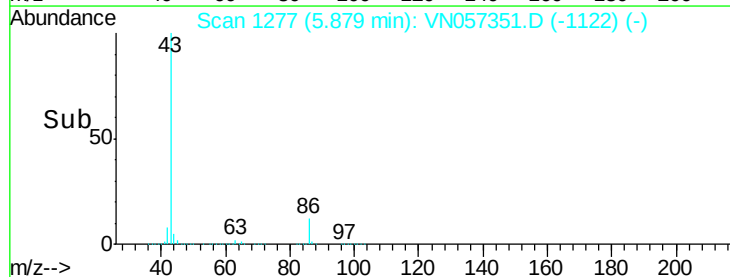
43 100

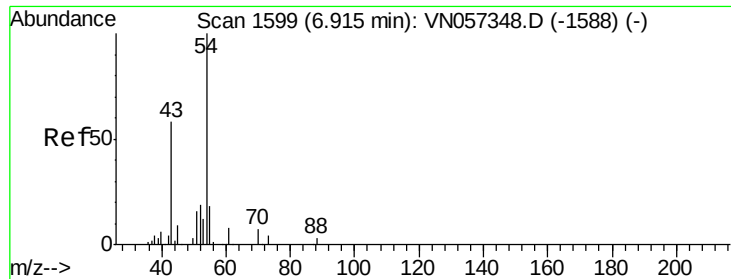
86 10.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN057351.D (-1122) (-)

Ion 86.00 (85.70 to 86.70): VN057351.D (-1122) (-)

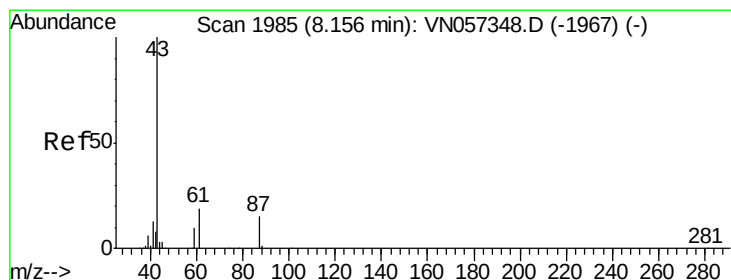
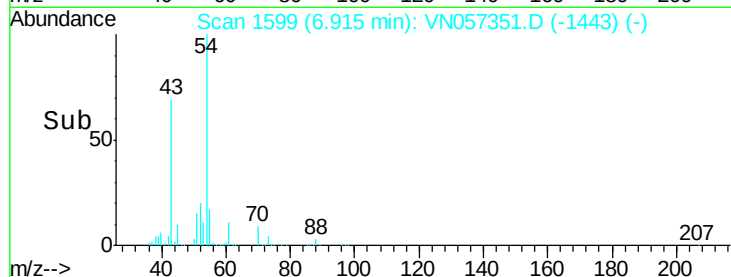
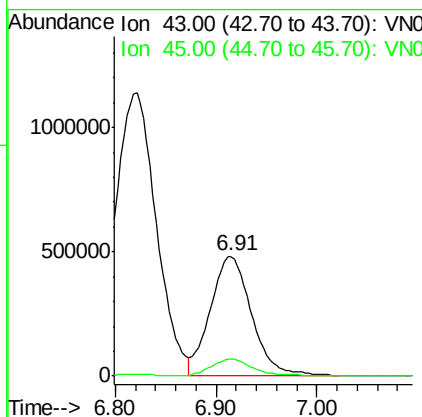
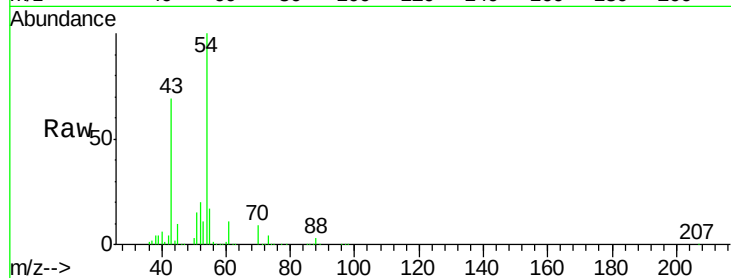




#43
Ethyl Acetate
Concen: 151.420 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

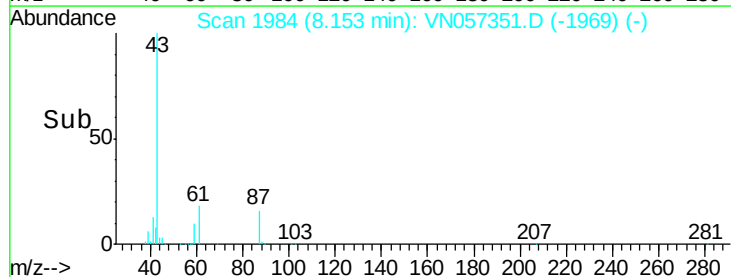
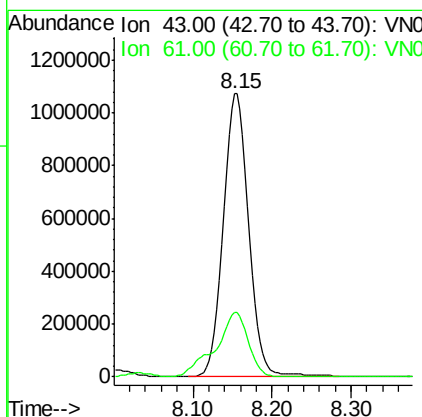
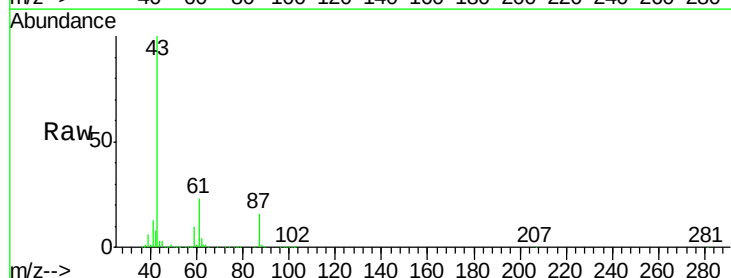
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

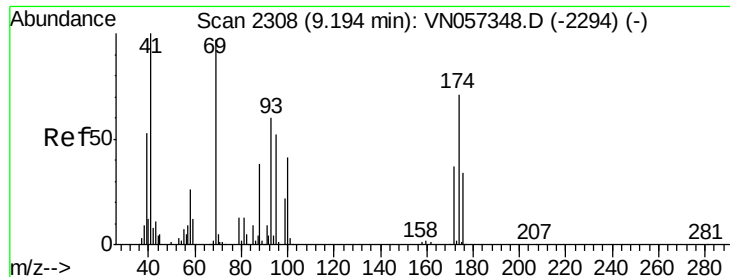
Tot Ion: 43 Resp: 1358092
Ion Ratio Lower Upper
43 100
45 15.0 11.2 16.8



#44
Isopropyl Acetate
Concen: 150.551 ug/l m
RT: 8.15 min Scan# 1984
Delta R.T. -0.45 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 2382643
Ion Ratio Lower Upper
43 100
61 0.0 22.6 33.8#

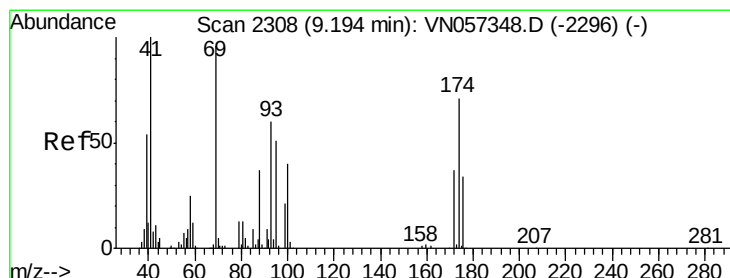
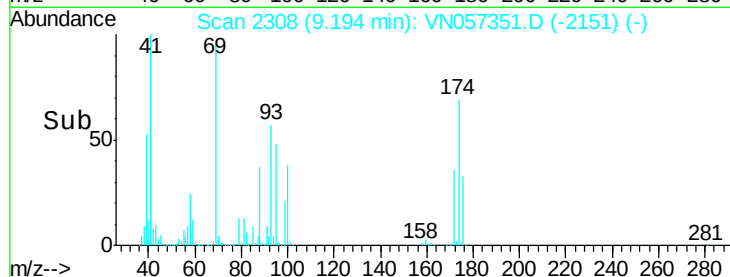
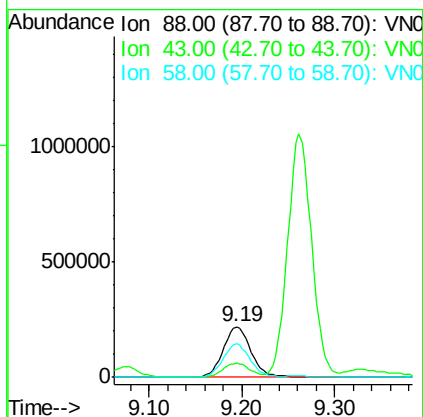
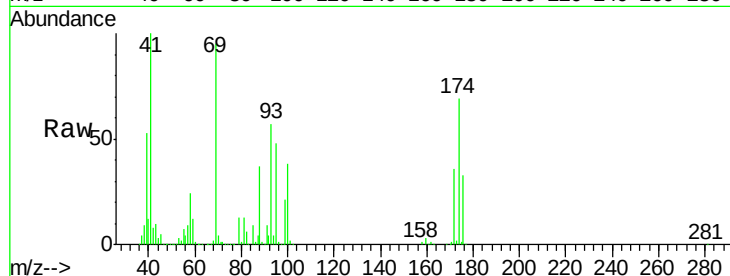




#45
 1,4-Dioxane
 Concen: 3096.684 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

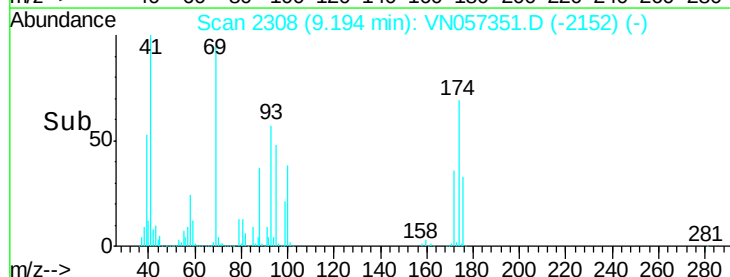
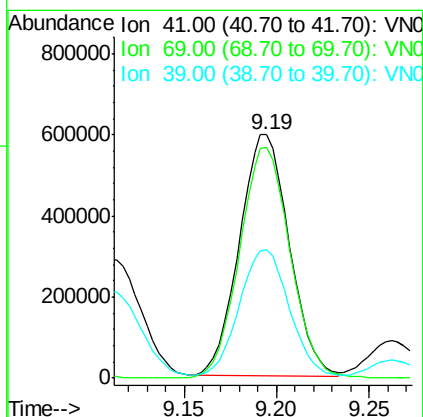
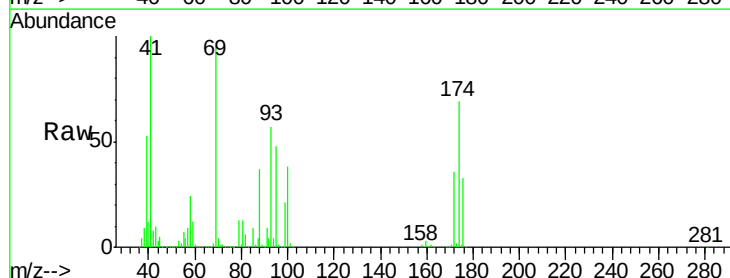
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

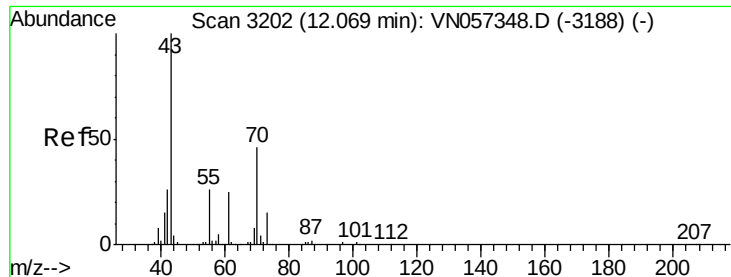
Tot Ion: 88 Resp: 458634
 Ion Ratio Lower Upper
 88 100
 43 26.8 23.0 34.6
 58 64.5 54.6 81.8



#46
 Methyl methacrylate
 Concen: 158.805 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 41 Resp: 1112970
 Ion Ratio Lower Upper
 41 100
 69 95.6 43.0 129.0
 39 52.3 25.1 75.4





#47

n-amvl Acetate

Concen: 175.827 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

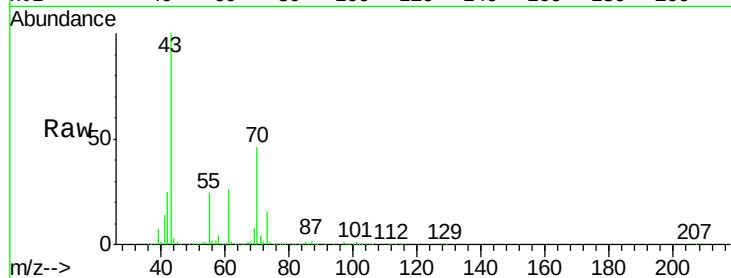
VSTDIC150

Tot Ion: 43 Resp: 1985962

Ion Ratio Lower Upper

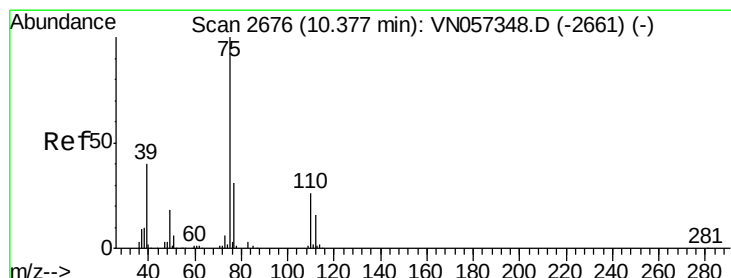
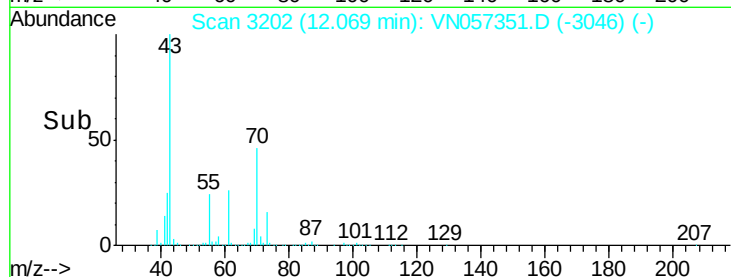
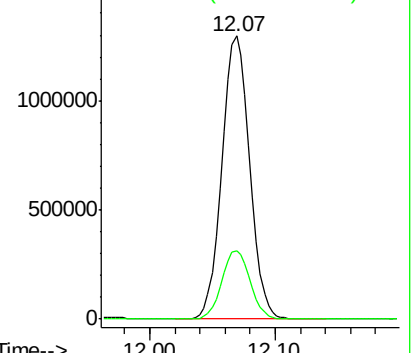
43 100

55 24.8 20.7 31.1



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: 161.011 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057351.D

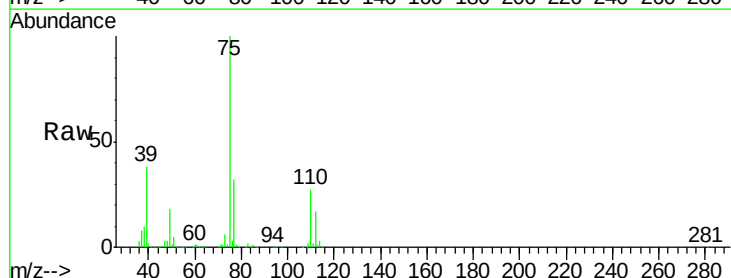
Acq: 16 Aug 2019 13:05

Tgt Ion: 75 Resp: 1991854

Ion Ratio Lower Upper

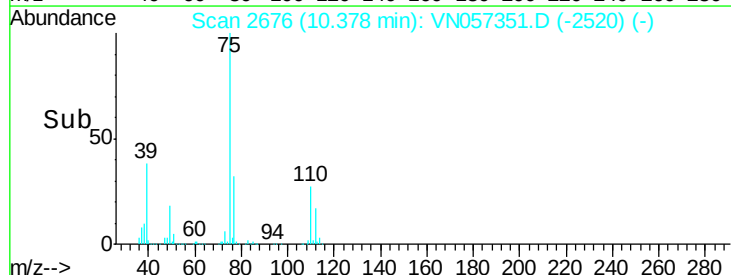
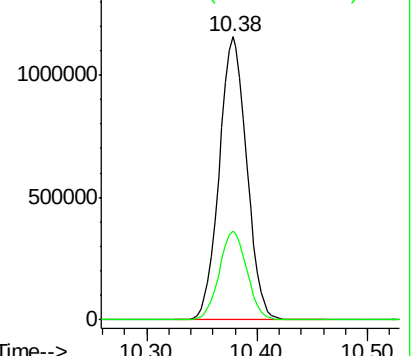
75 100

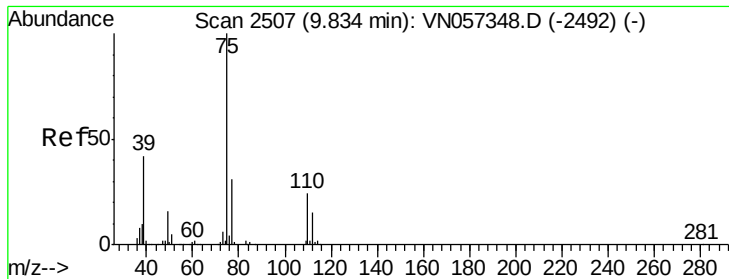
77 31.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



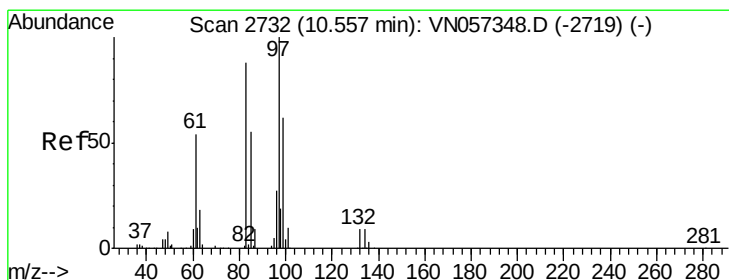
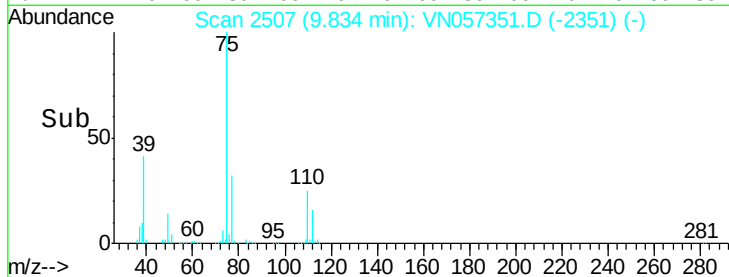
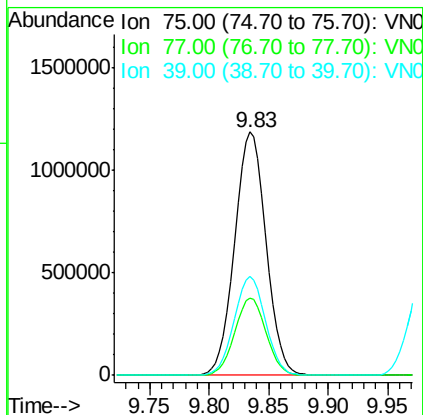
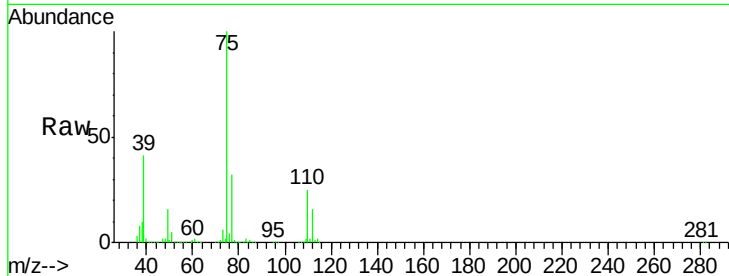


#49

cis-1,3-Dichloropropene
Concen: 156.449 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

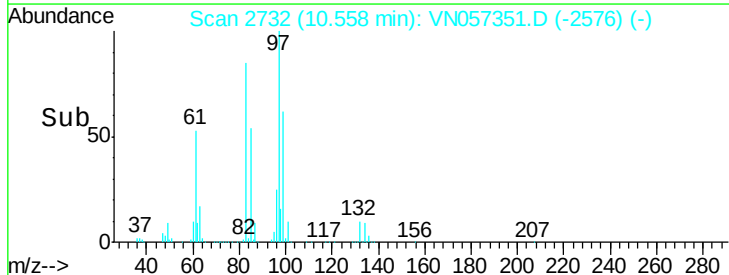
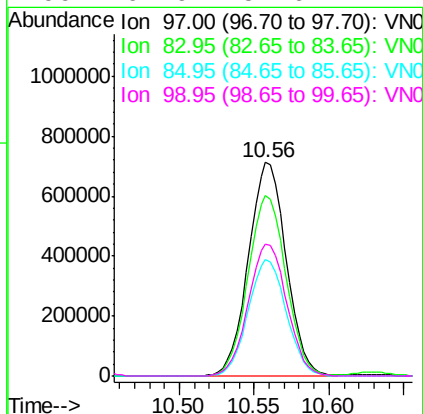
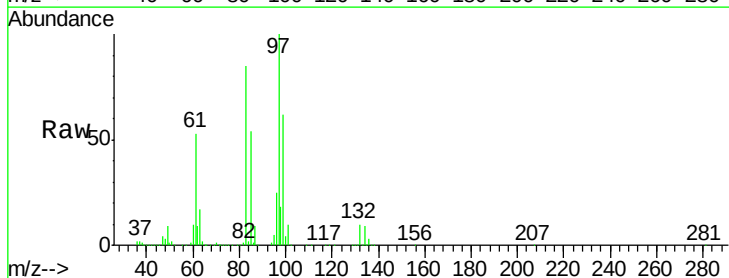
Tot Ion: 75 Resp: 2167833
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
39 40.6 36.2 54.4

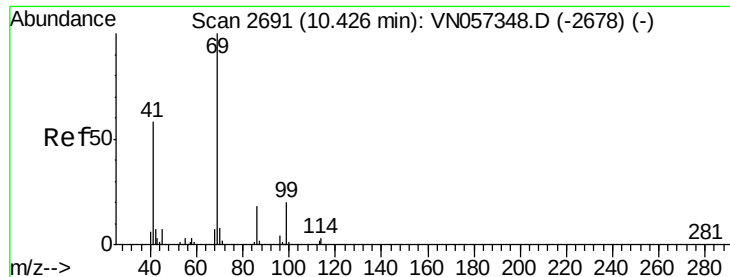


#50

1,1,2-Trichloroethane
Concen: 149.702 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 97 Resp: 1251521
Ion Ratio Lower Upper
97 100
83 84.8 69.2 103.8
85 54.3 45.3 67.9
99 61.9 51.6 77.4





#51

Ethyl methacrylate

Concen: 164.903 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

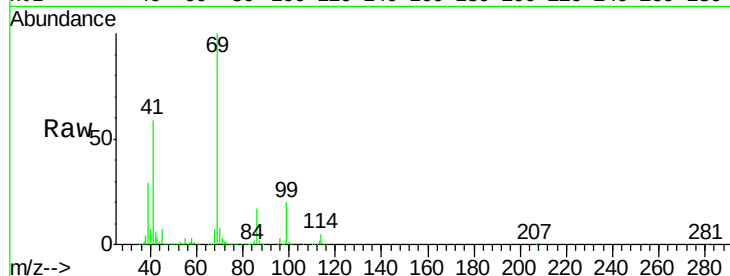
Tot Ion: 69 Resp: 1958744

Ion Ratio Lower Upper

69 100

41 58.6 32.8 98.3

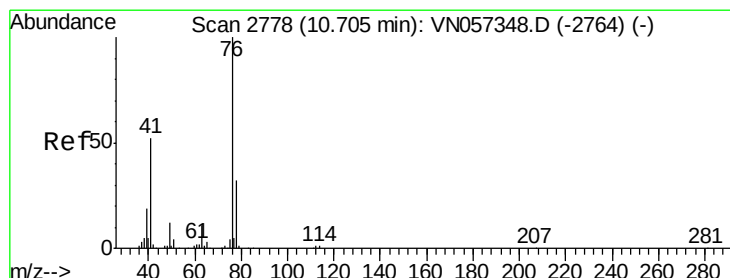
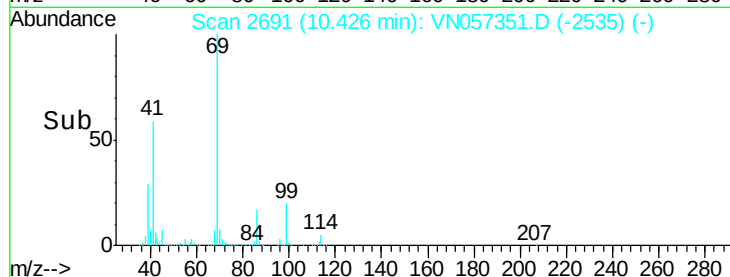
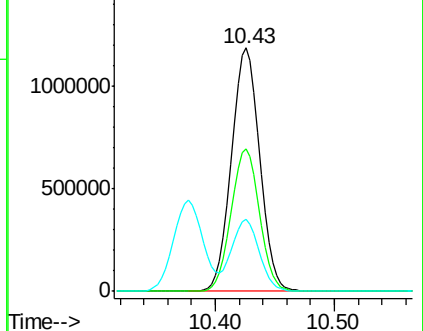
39 29.3 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 151.705 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057351.D

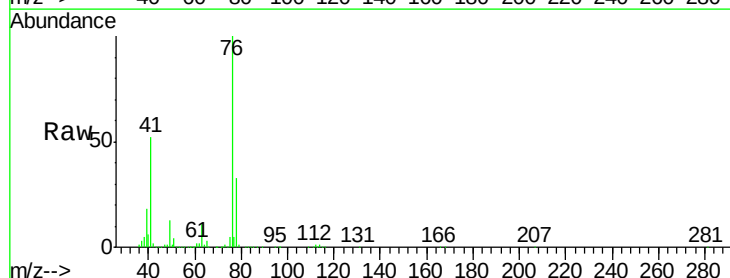
Acq: 16 Aug 2019 13:05

Tgt Ion: 76 Resp: 2065760

Ion Ratio Lower Upper

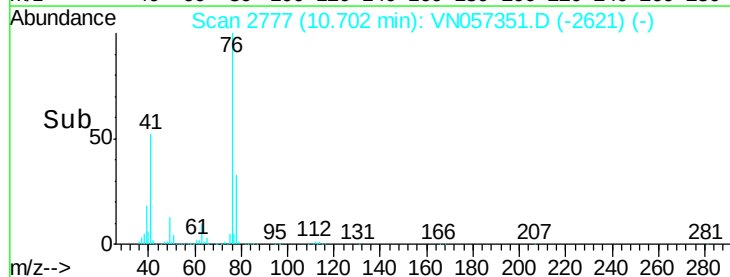
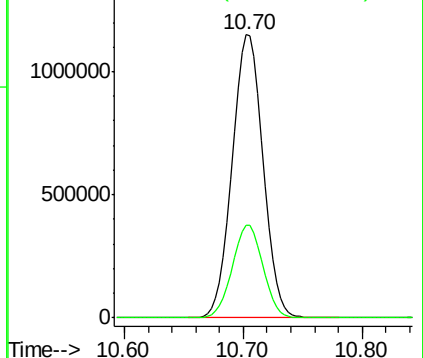
76 100

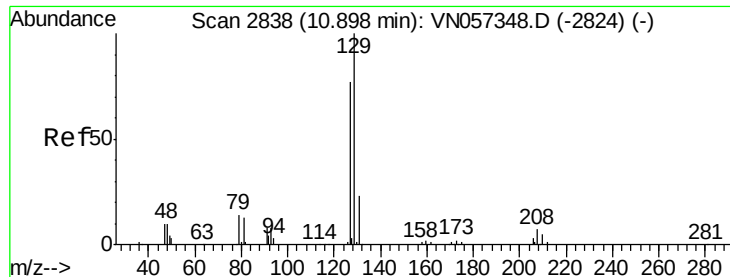
78 32.5 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 159.554 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

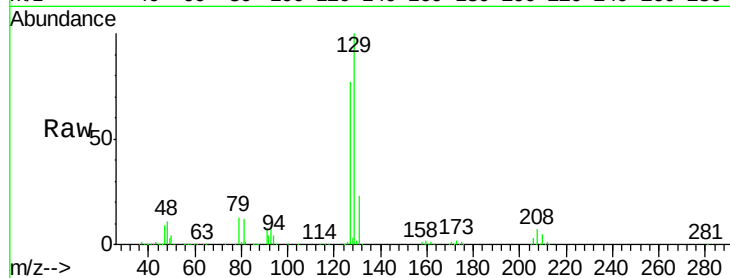
VSTDIC150

Tot Ion:129 Resp: 1514715

Ion Ratio Lower Upper

129 100

127 76.8 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

800000

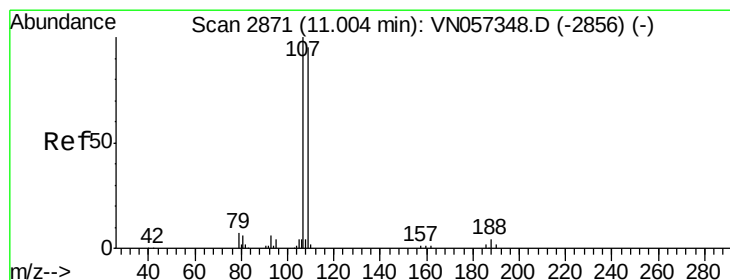
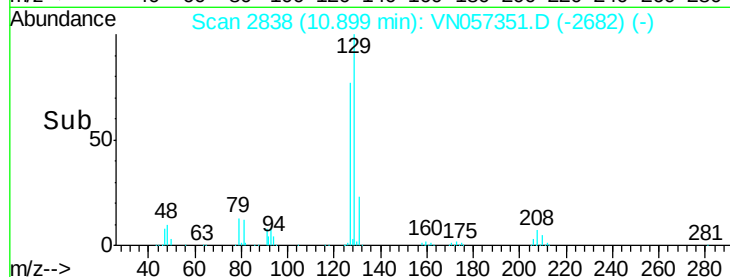
600000

400000

200000

0

Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 155.945 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057351.D

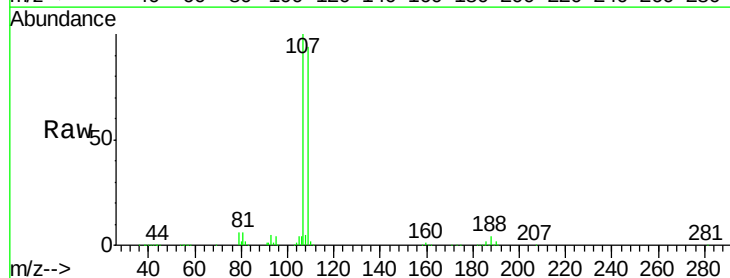
Acq: 16 Aug 2019 13:05

Tgt Ion:107 Resp: 1361709

Ion Ratio Lower Upper

107 100

109 94.5 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

800000

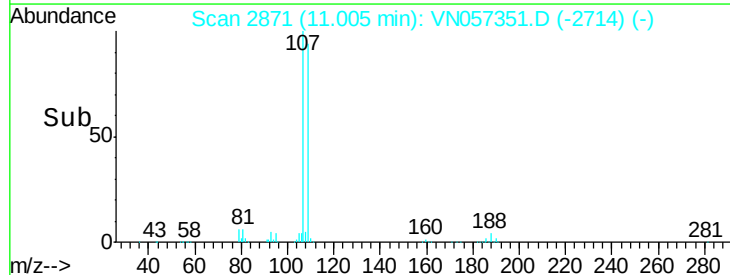
600000

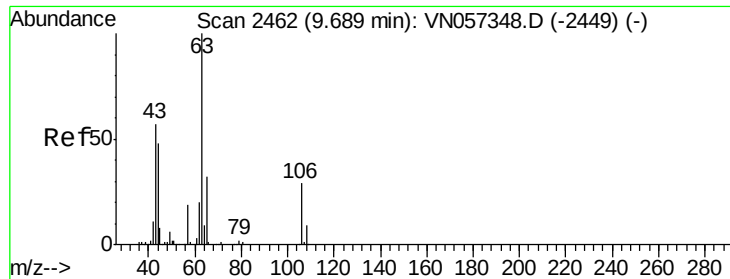
400000

200000

0

Time--> 10.90 11.00 11.10





#55

2-Chloroethyl vinyl ether

Concen: 1001.095 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

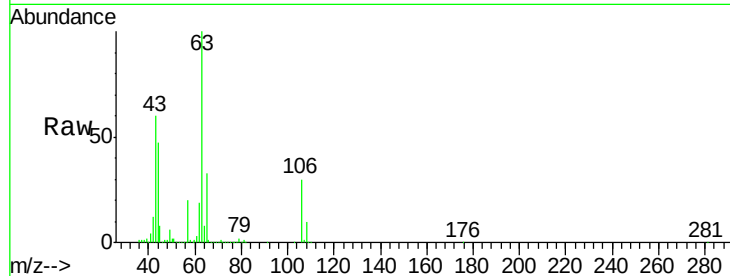
Tot Ion: 63 Resp: 2645885

Ion Ratio Lower Upper

63 100

65 32.6 25.2 37.8

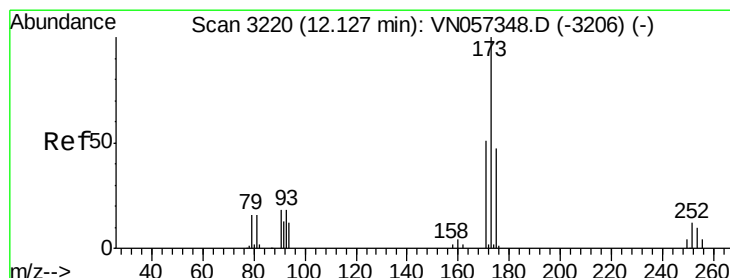
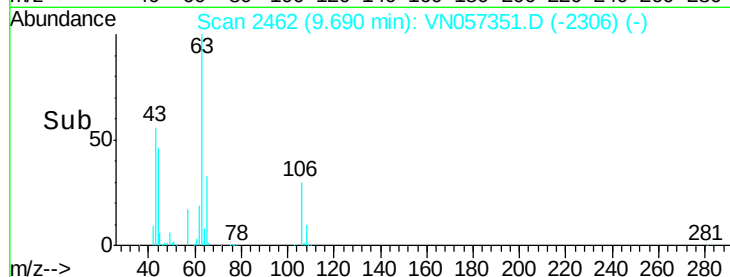
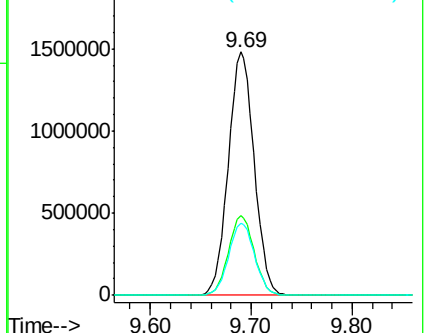
106 29.8 21.6 32.4



Abundance Ion 63.00 (62.70 to 63.70): VN057348.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN057348.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN057348.D (-2449) (-)



#56

Bromoform

Concen: 171.367 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

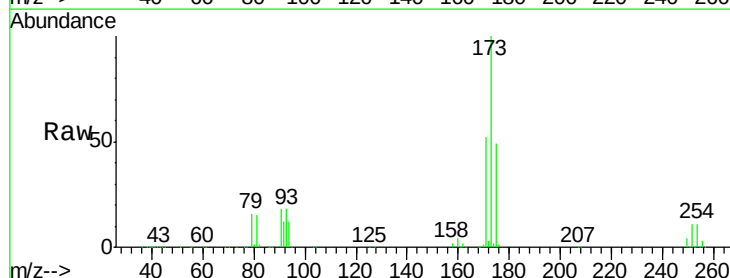
Tgt Ion: 173 Resp: 1209648

Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

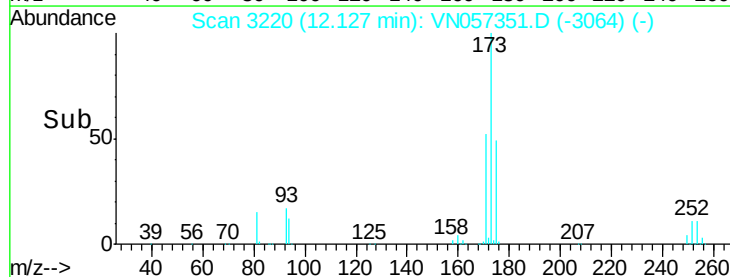
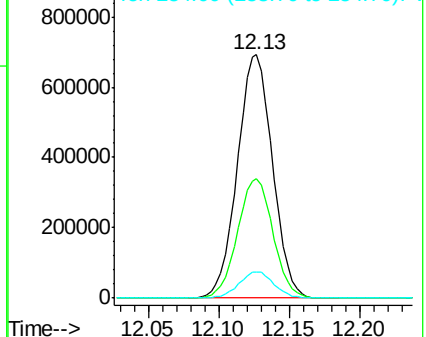
254 10.7 7.8 11.8

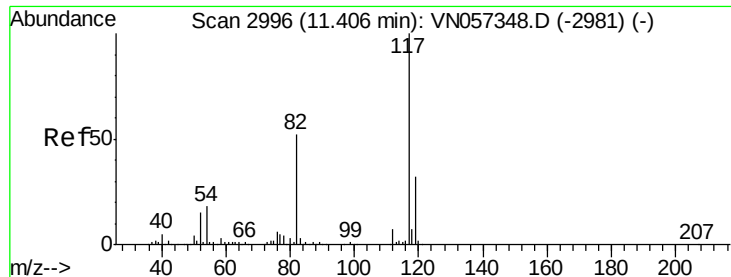


Abundance Ion 173.00 (172.70 to 173.70): VN057348.D (-3206) (-)

Ion 175.00 (174.70 to 175.70): VN057348.D (-3206) (-)

Ion 254.00 (253.70 to 254.70): VN057348.D (-3206) (-)

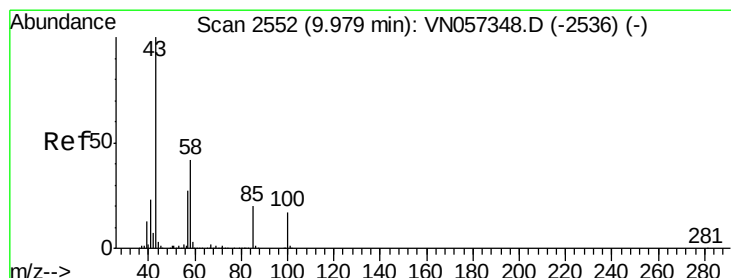
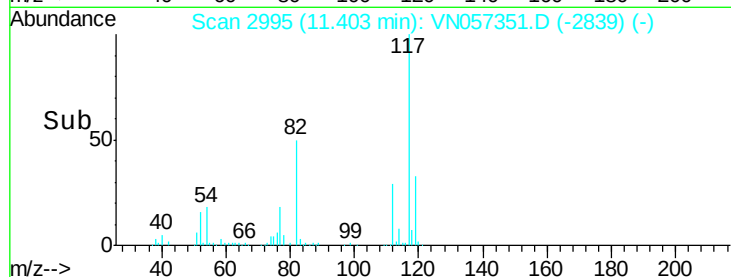
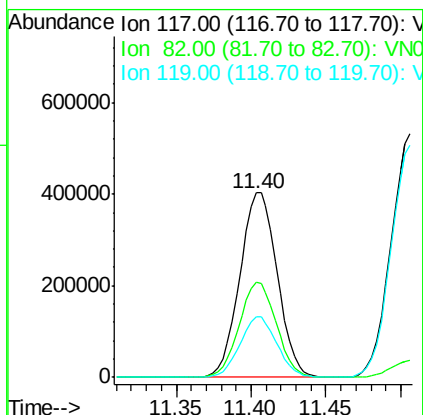
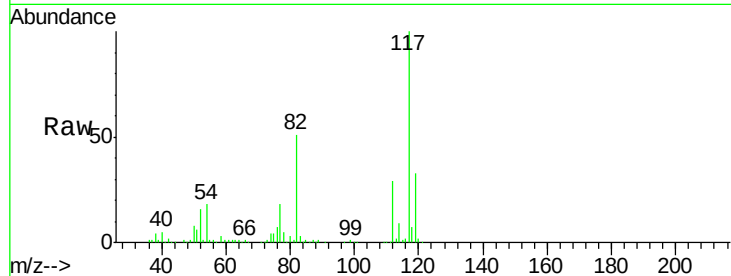




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

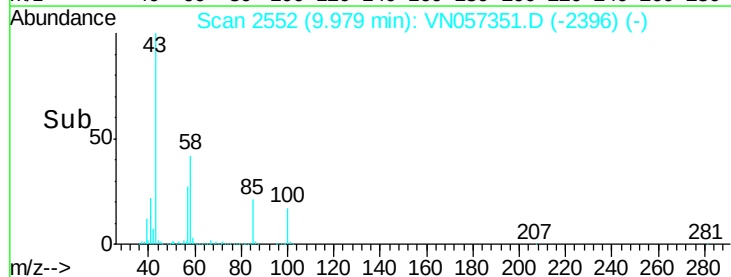
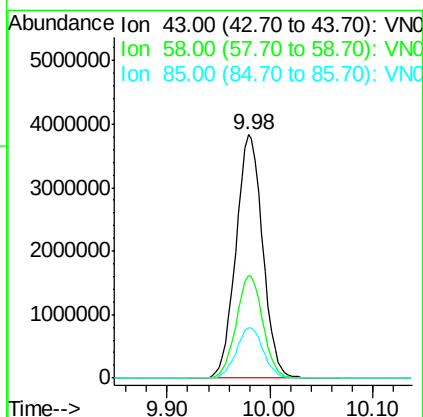
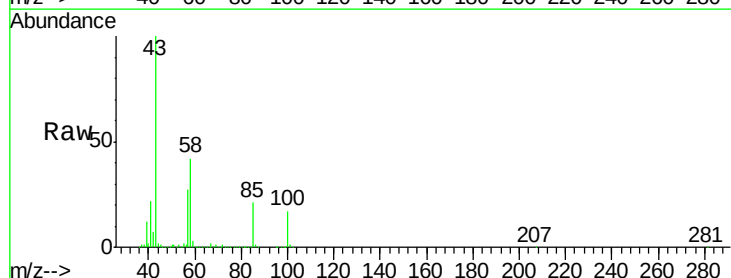
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

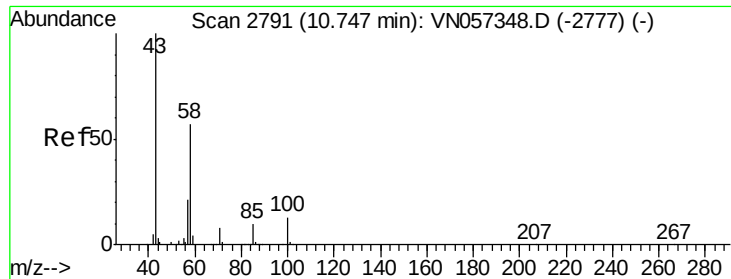
Tot Ion:117 Resp: 702313
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.2 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 754.816 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 6896886
Ion Ratio Lower Upper
43 100
58 42.1 31.9 47.9
85 20.9 14.2 21.4

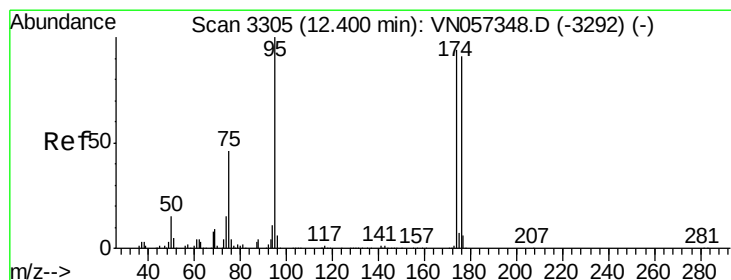
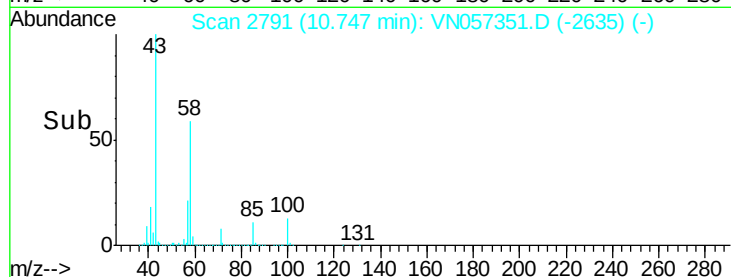
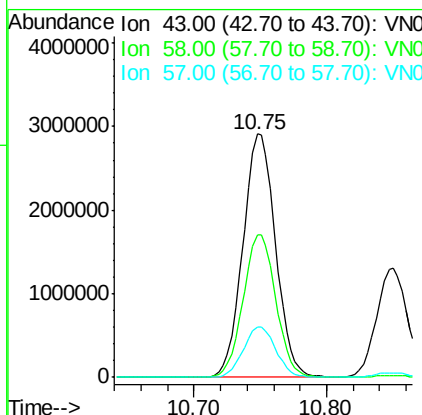
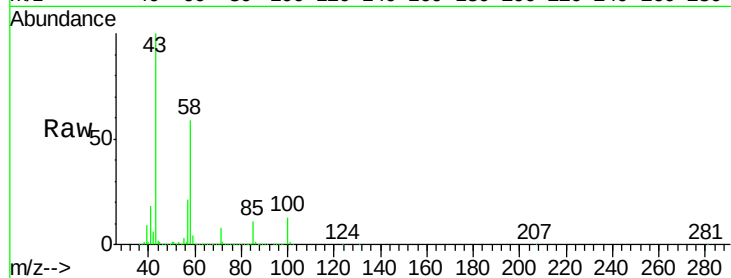




#59
2-Hexanone
Concen: 758.359 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

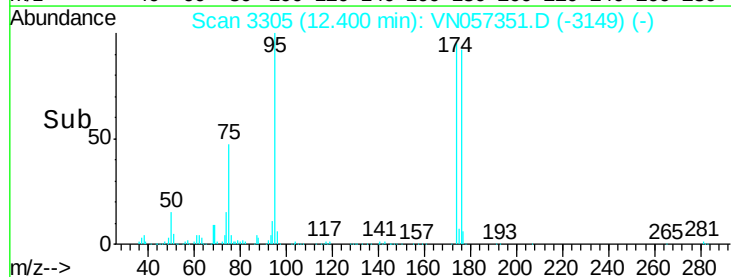
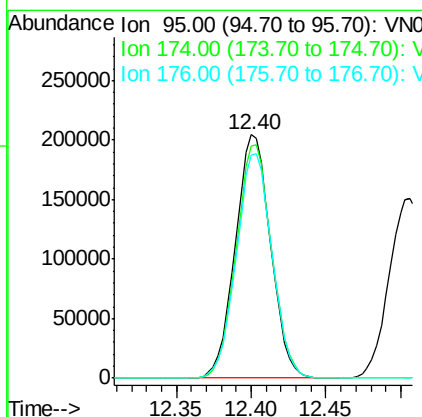
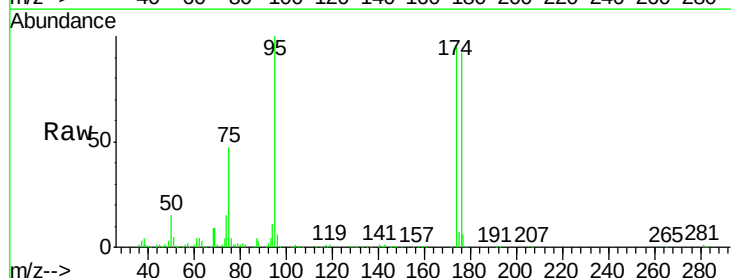
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

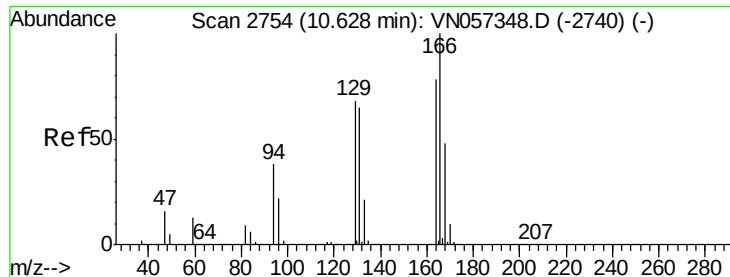
Tot Ion: 43 Resp: 4965271
Ion Ratio Lower Upper
43 100
58 58.8 44.4 66.6
57 20.9 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 33.066 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion: 95 Resp: 335108
Ion Ratio Lower Upper
95 100
174 96.6 72.6 108.8
176 93.5 71.0 106.6





#61

Tetrachloroethene

Concen: 132.352 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1395229

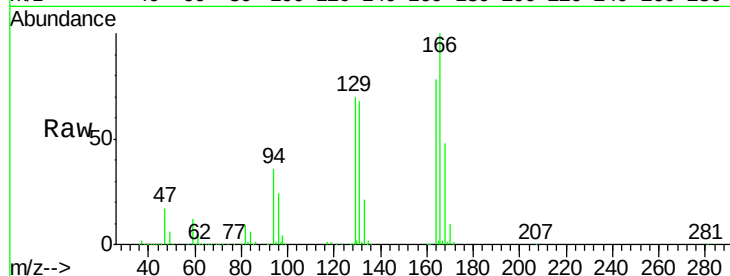
Ion Ratio Lower Upper

164 100

166 128.0 102.3 153.5

129 89.0 72.6 108.8

131 87.0 71.4 107.2

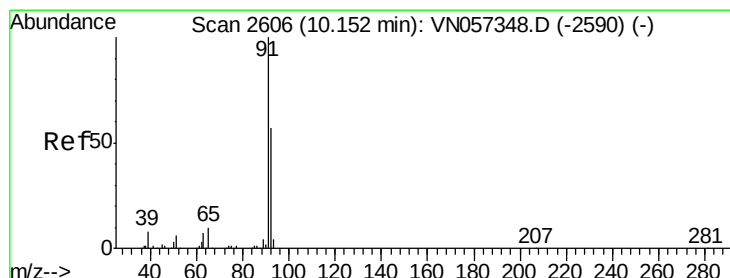
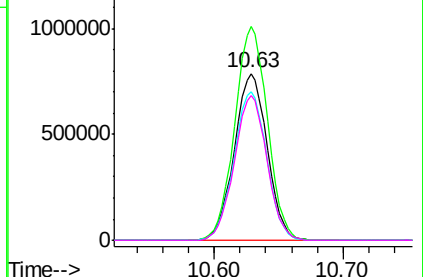
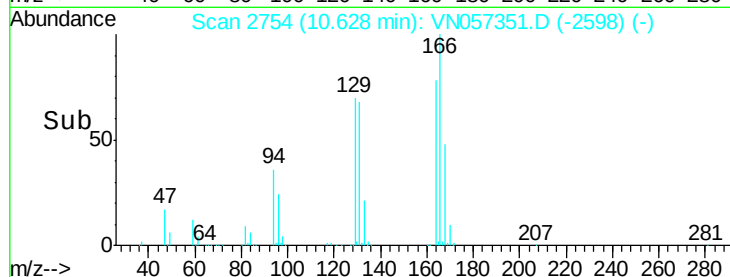


Abundance Ion 163.85 (163.55 to 164.55): V

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: 142.937 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057351.D

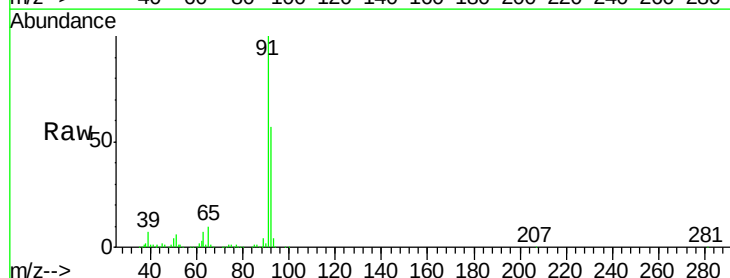
Acq: 16 Aug 2019 13:05

Tgt Ion: 91 Resp: 5589626

Ion Ratio Lower Upper

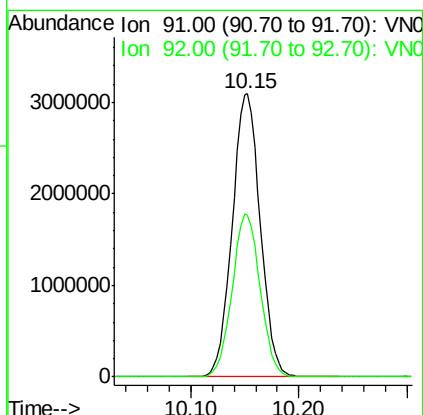
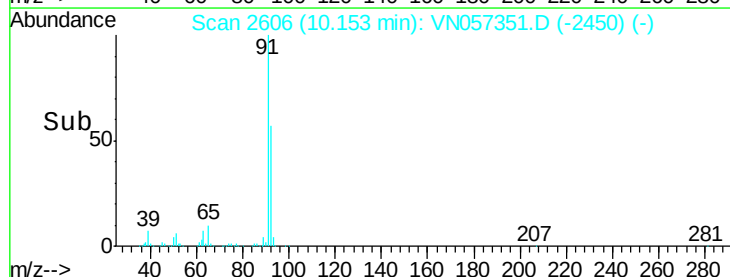
91 100

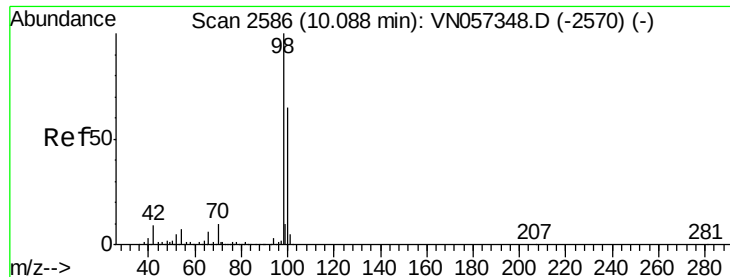
92 57.6 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.548 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

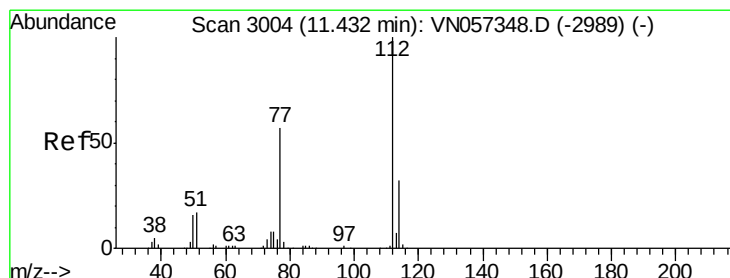
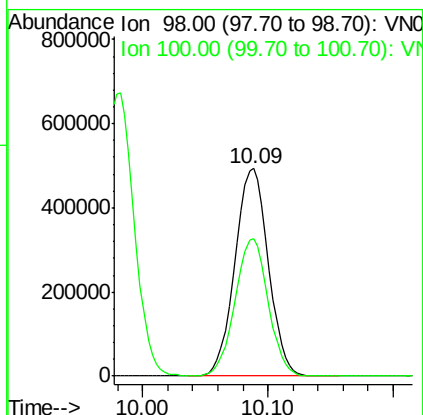
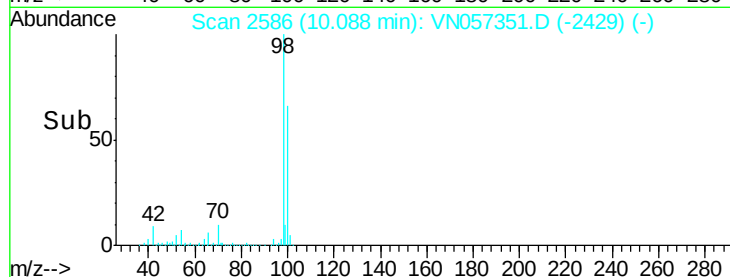
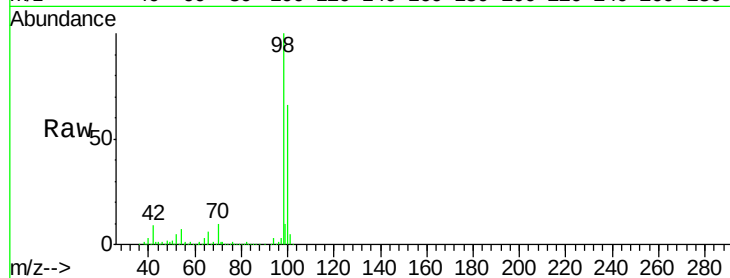
VSTDIC150

Tot Ion: 98 Resp: 913193

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7



#64

Chlorobenzene

Concen: 149.209 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057351.D

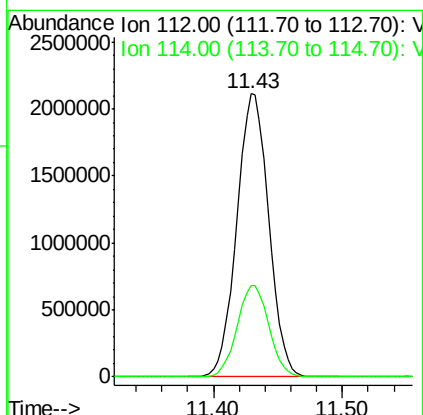
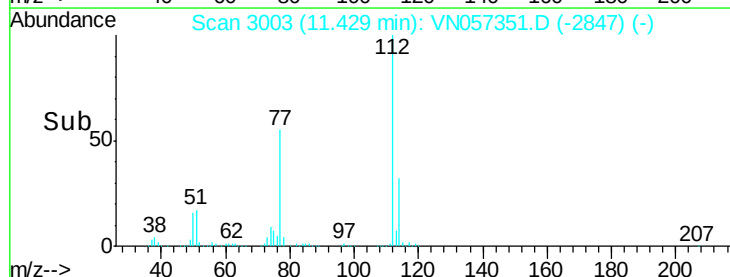
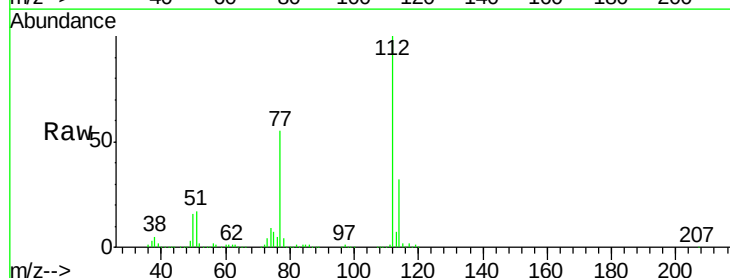
Acq: 16 Aug 2019 13:05

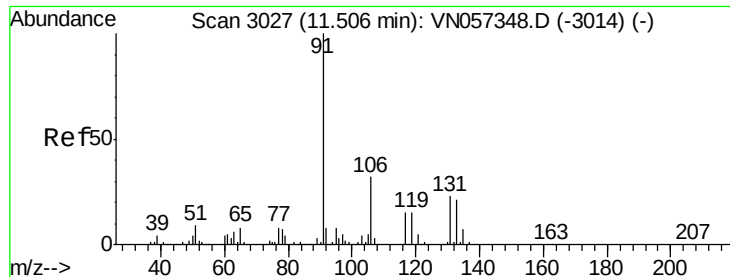
Tgt Ion: 112 Resp: 3634774

Ion Ratio Lower Upper

112 100

114 32.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 144.918 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

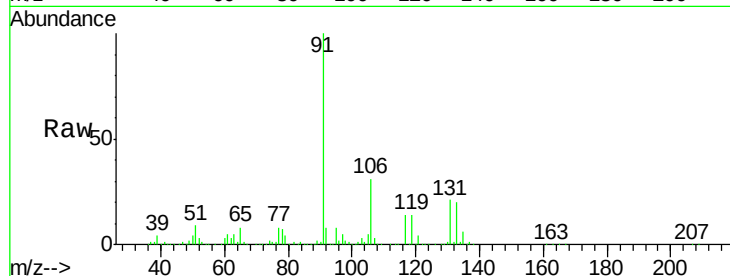
Tot Ion:131 Resp: 1380119

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.4

119 64.7 0.0 133.4



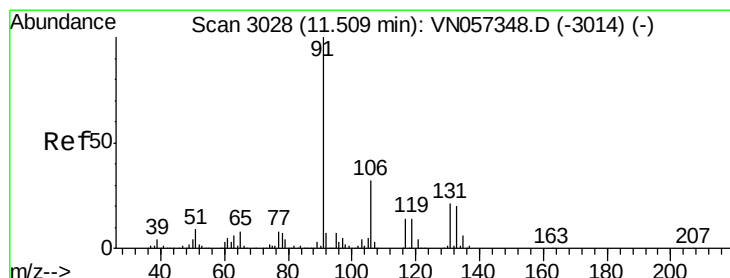
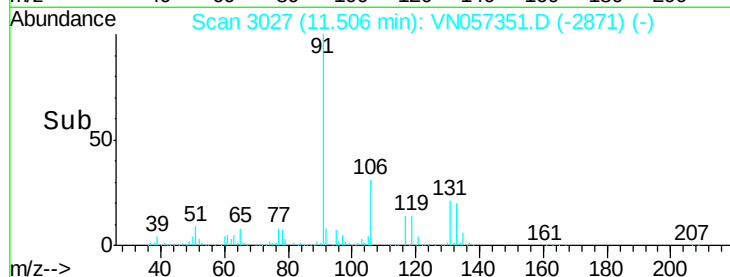
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

11.51

Time--> 11.40 11.50 11.60



#66

Ethyl Benzene

Concen: 150.416 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057351.D

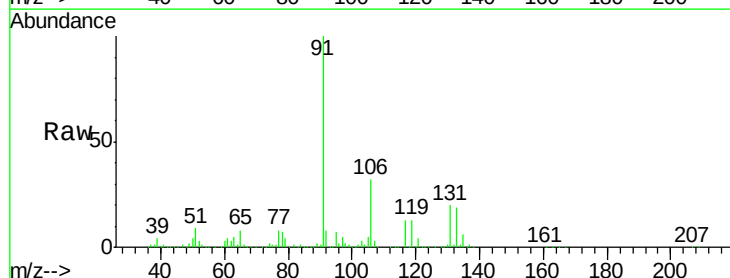
Acq: 16 Aug 2019 13:05

Tgt Ion: 91 Resp: 6362315

Ion Ratio Lower Upper

91 100

106 31.6 25.1 37.7

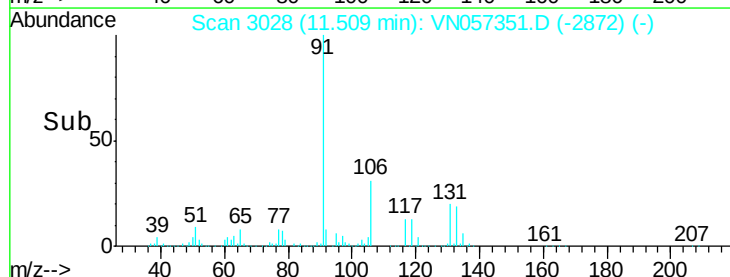


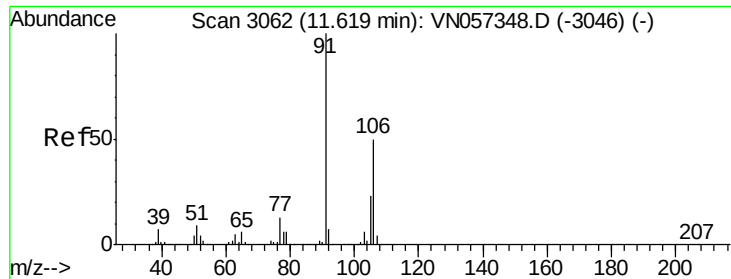
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

11.51

Time--> 11.45 11.50 11.55

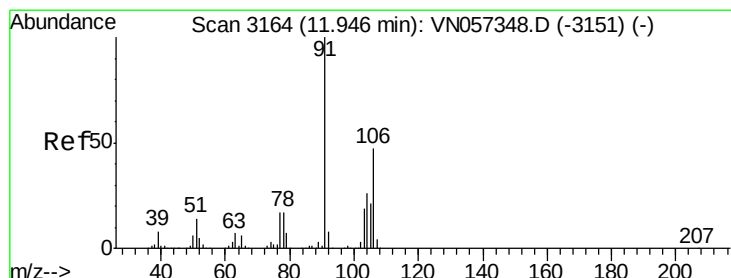
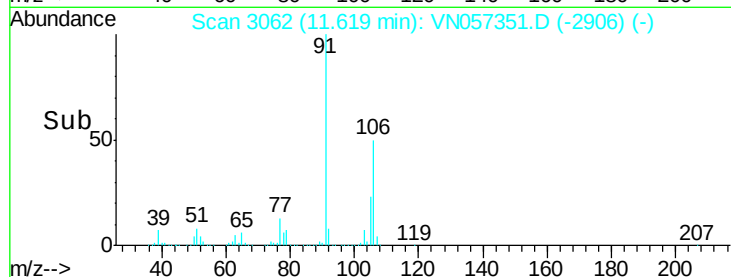
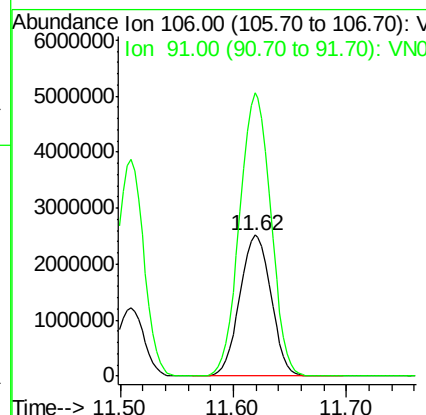
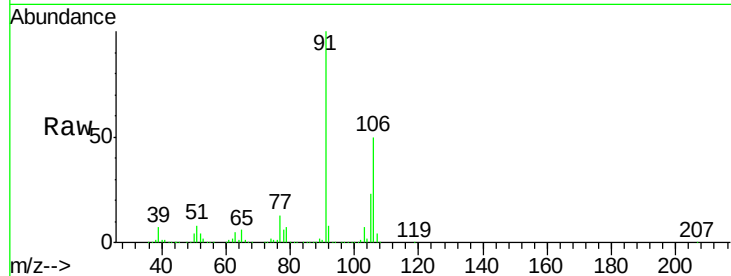




#67
m/p-Xylenes
Concen: 308.850 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

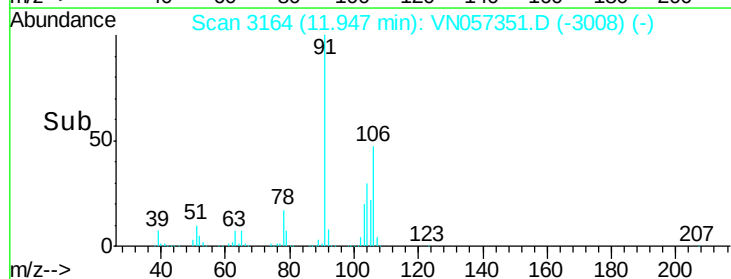
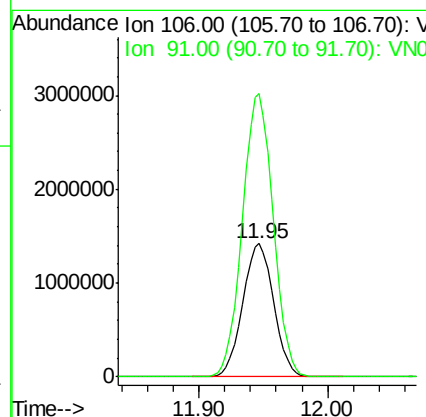
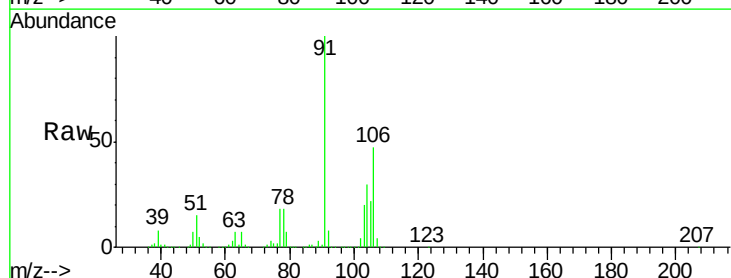
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

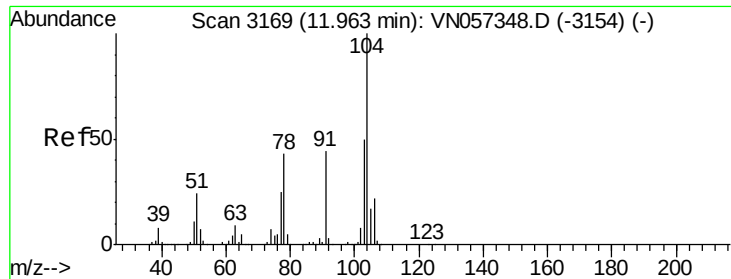
Tot Ion:106 Resp: 4863415
Ion Ratio Lower Upper
106 100
91 200.1 161.8 242.8



#68
o-Xylene
Concen: 153.413 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion:106 Resp: 2364844
Ion Ratio Lower Upper
106 100
91 211.8 108.1 324.2

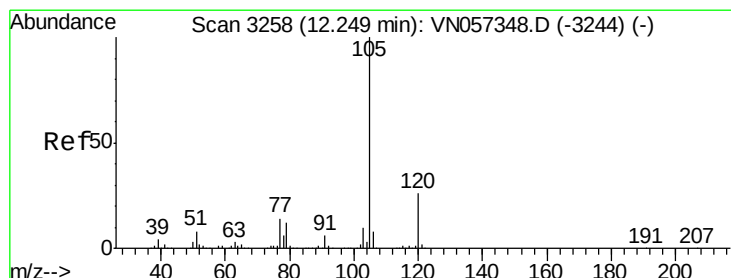
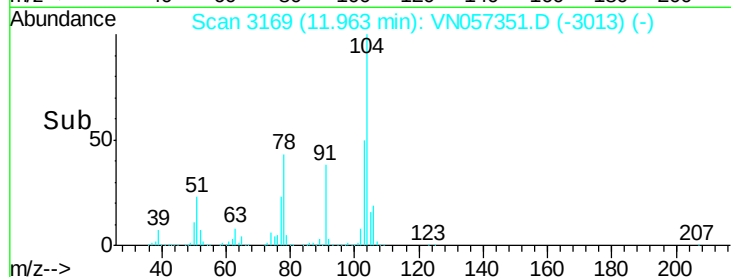
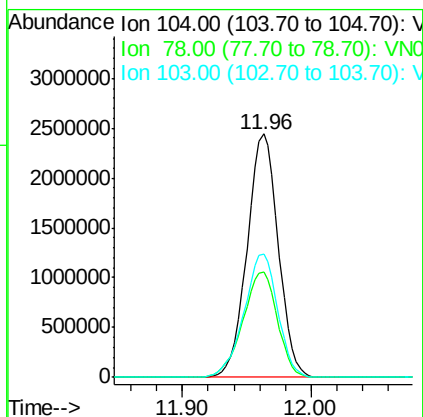
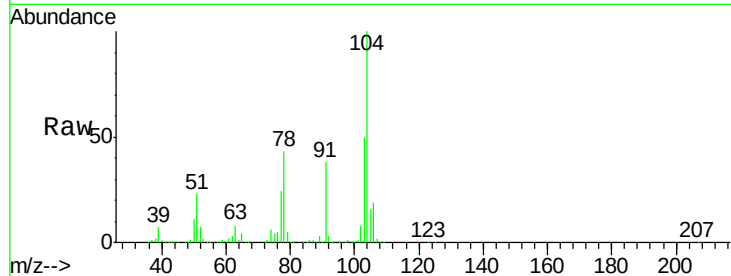




#69
Stvrene
Concen: 169.130 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

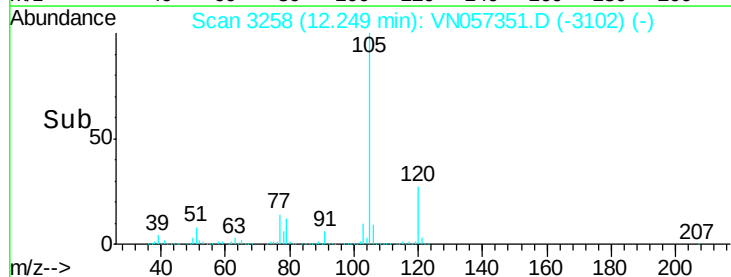
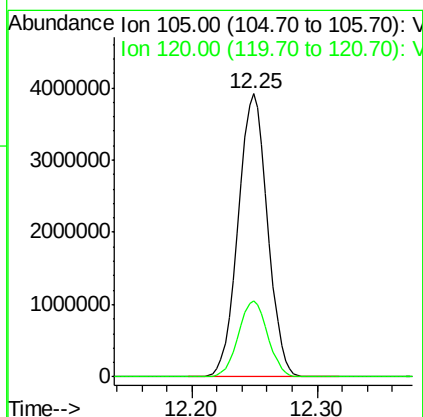
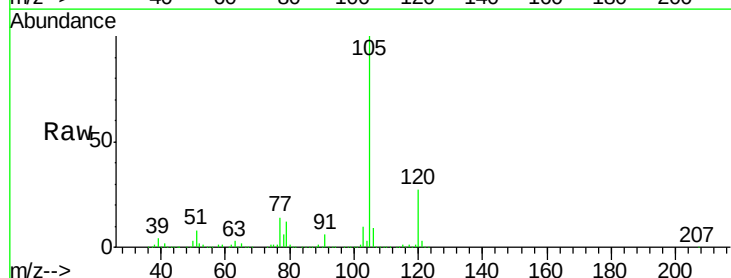
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

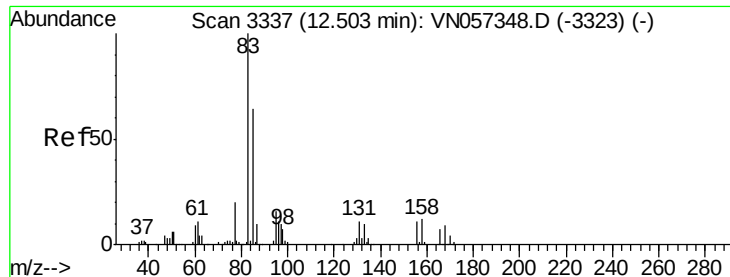
Tot Ion:104 Resp: 4102866
Ion Ratio Lower Upper
104 100
78 48.1 38.7 58.1
103 54.8 45.0 67.4



#70
Isopropylbenzene
Concen: 153.706 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion:105 Resp: 6349629
Ion Ratio Lower Upper
105 100
120 27.0 18.6 34.5

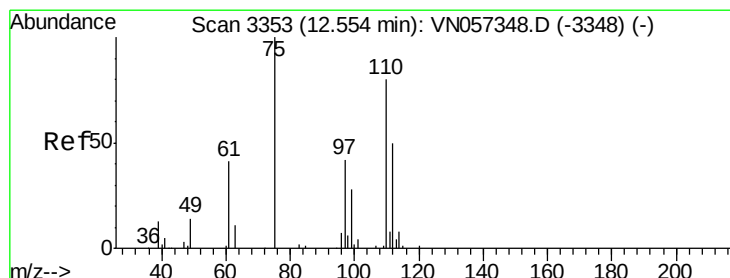
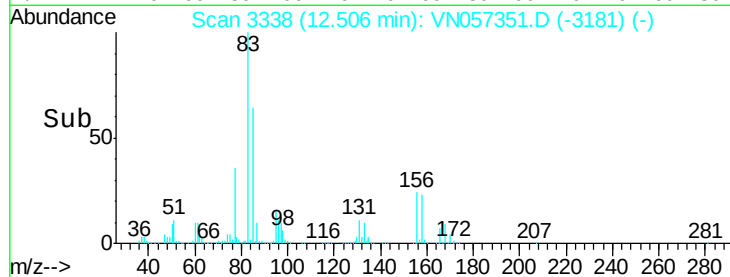
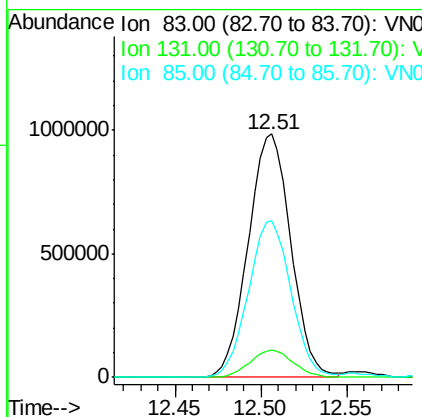
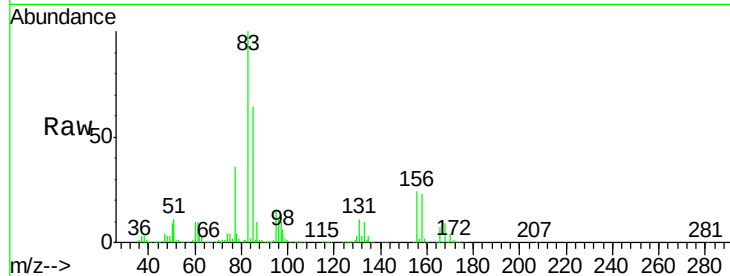




#71
 1,1,2,2-Tetrachloroethane
 Concen: 148.481 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

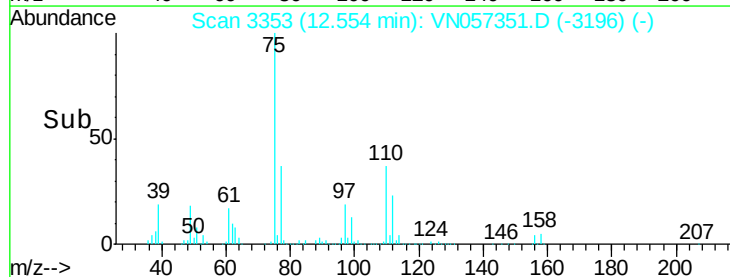
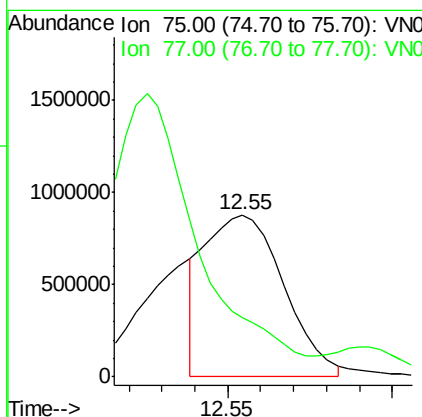
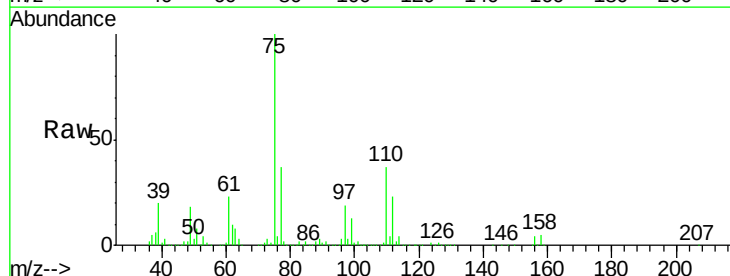
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

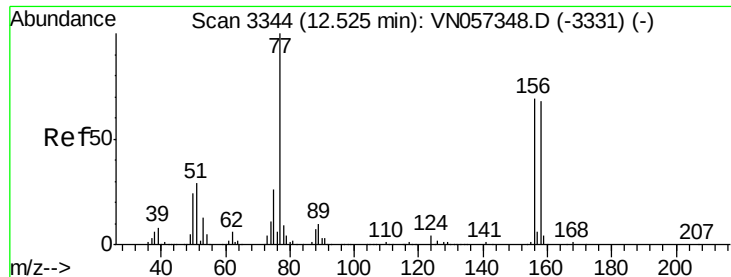
Tot Ion: 83 Resp: 1691984
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.1 15.3
 85 64.2 31.9 95.7



#72
 1,2,3-Trichloropropane
 Concen: 153.672 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 75 Resp: 1467583
 Ion Ratio Lower Upper
 75 100
 77 207.9 0.0 352.2





#73

Bromobenzene

Concen: 163.139 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

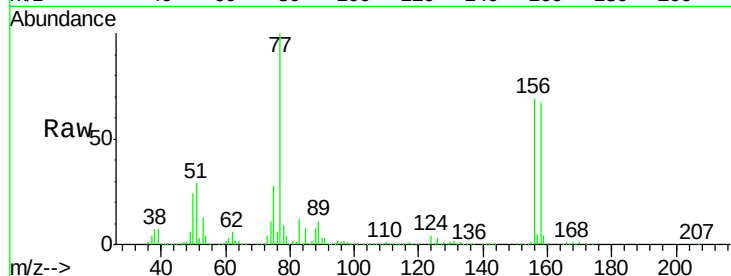
Tot Ion:156 Resp: 1763798

Ion Ratio Lower Upper

156 100

77 173.0 0.0 381.8

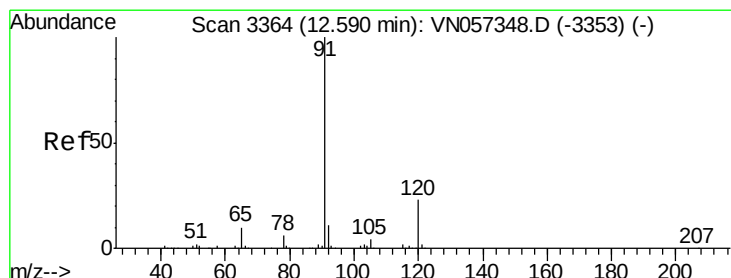
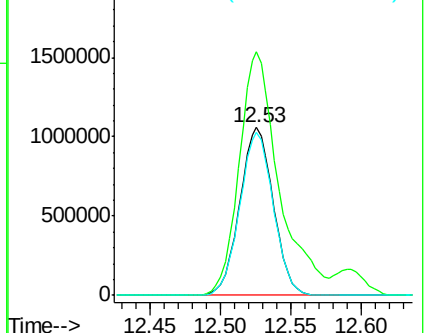
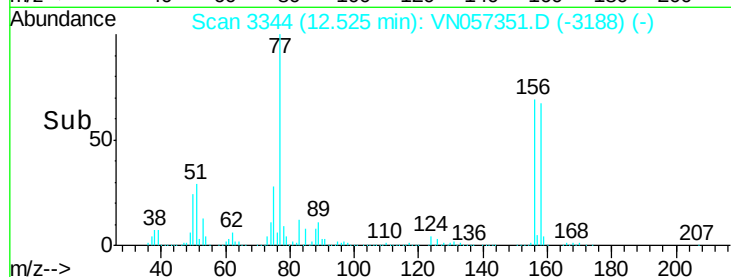
158 97.1 0.0 195.8



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: 169.967 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057351.D

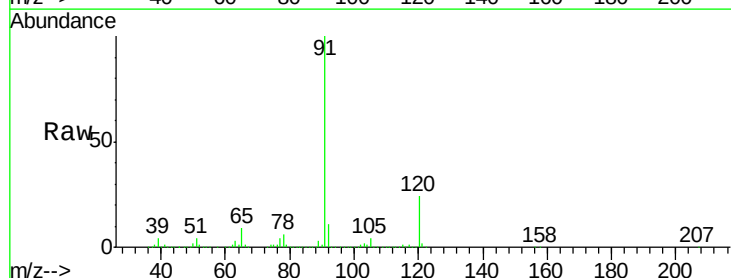
Acq: 16 Aug 2019 13:05

Tgt Ion: 91 Resp: 7139236

Ion Ratio Lower Upper

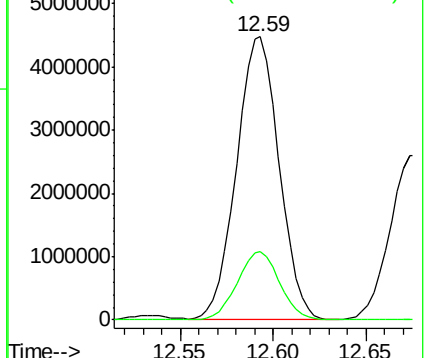
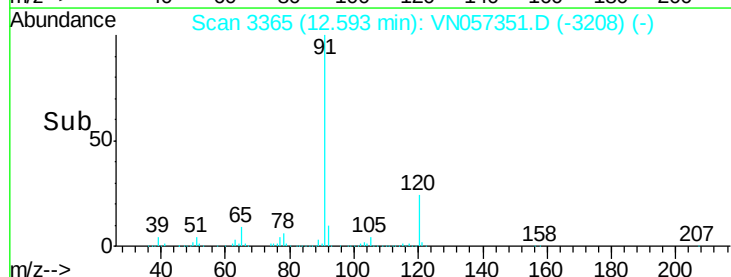
91 100

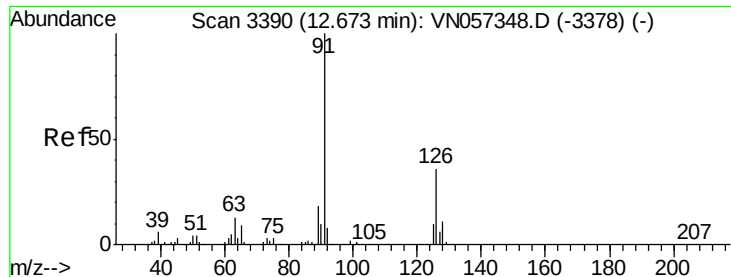
120 23.8 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 162.520 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

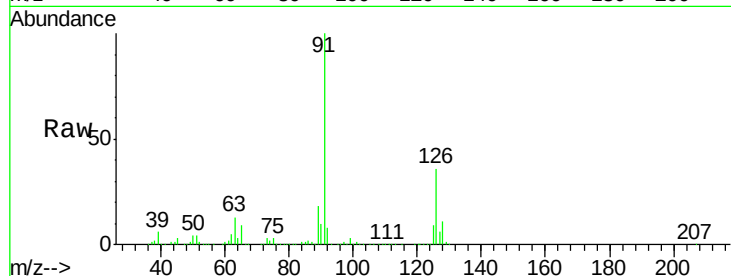
VSTDIC150

Tot Ion: 91 Resp: 4277551

Ion Ratio Lower Upper

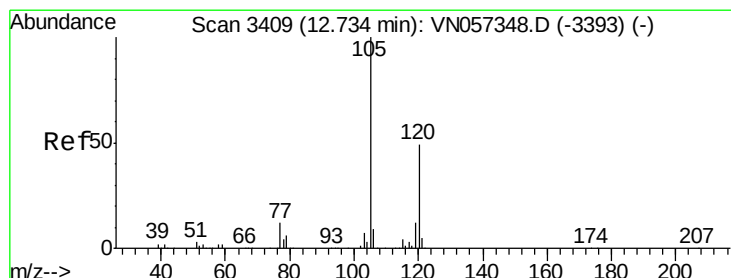
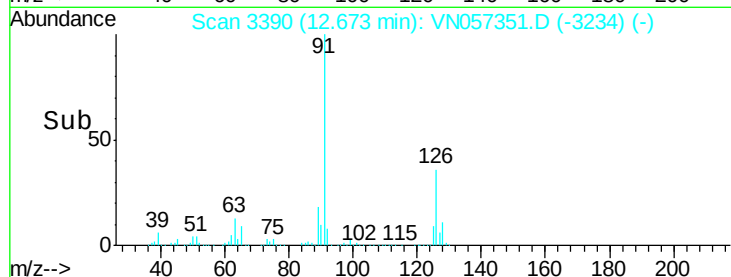
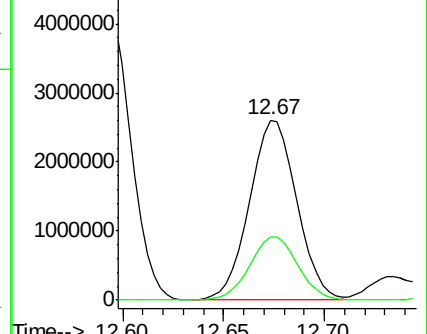
91 100

126 35.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057348.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 160.558 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057351.D

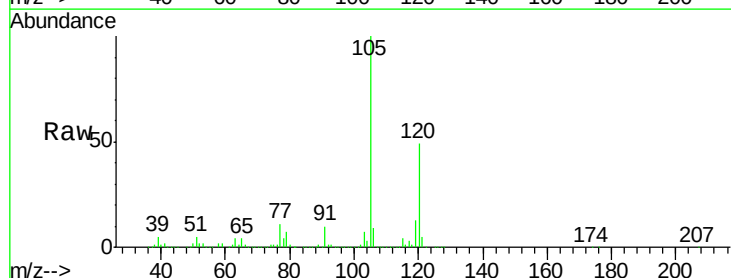
Acq: 16 Aug 2019 13:05

Tgt Ion:105 Resp: 5466799

Ion Ratio Lower Upper

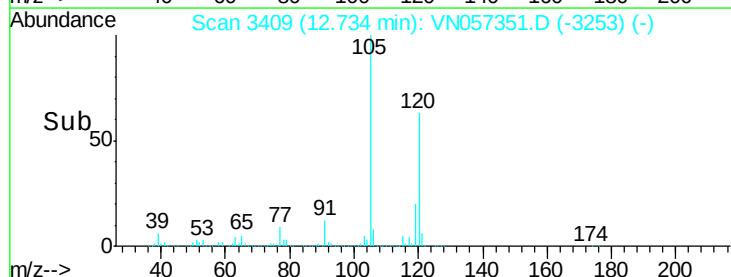
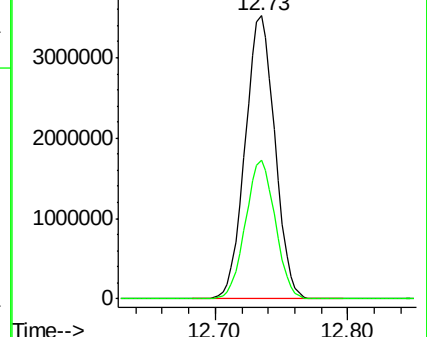
105 100

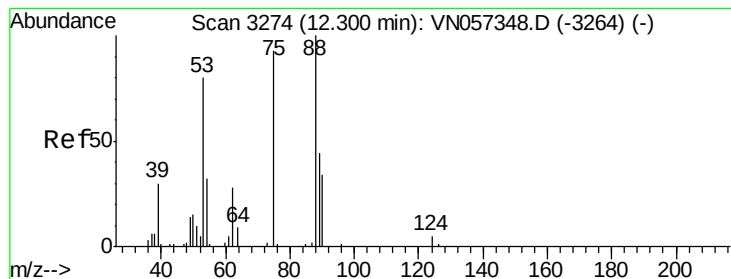
120 49.1 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN057348.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057348.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 175.264 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

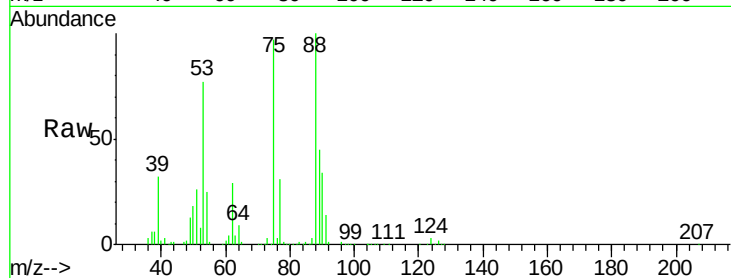
Tot Ion: 75 Resp: 624385

Ion Ratio Lower Upper

75 100

53 80.0 48.6 145.8

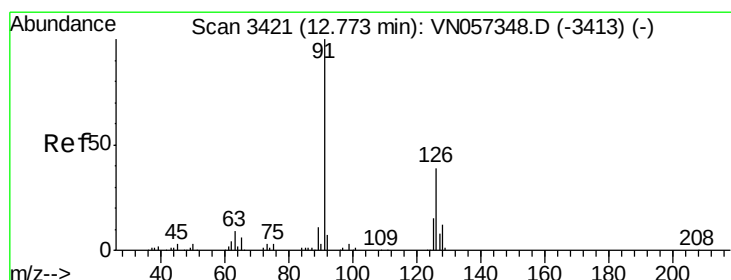
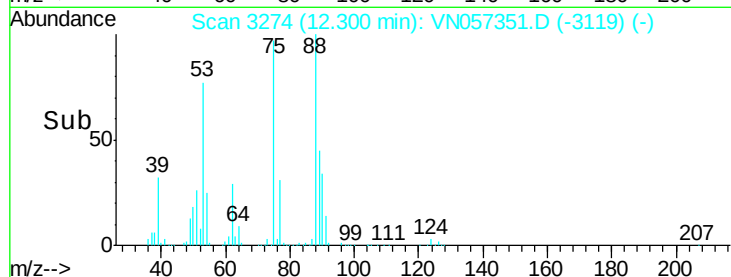
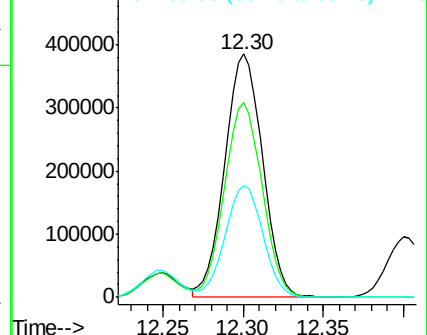
89 46.2 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 178.173 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057351.D

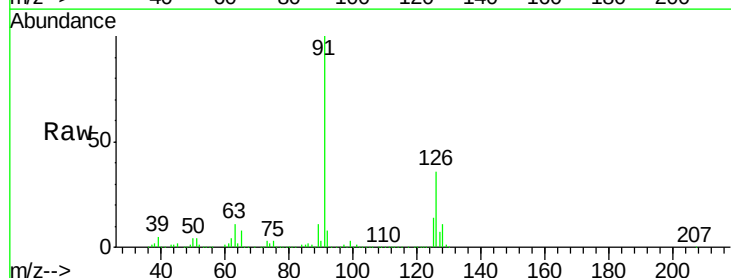
Acq: 16 Aug 2019 13:05

Tgt Ion: 91 Resp: 4299478

Ion Ratio Lower Upper

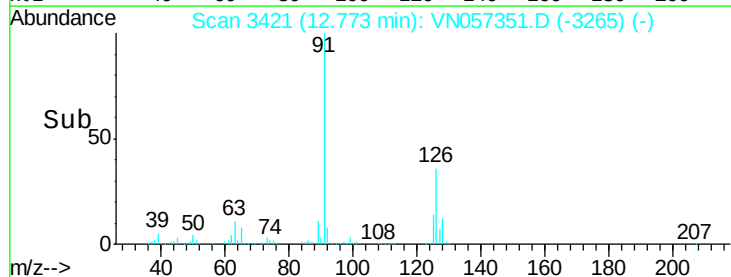
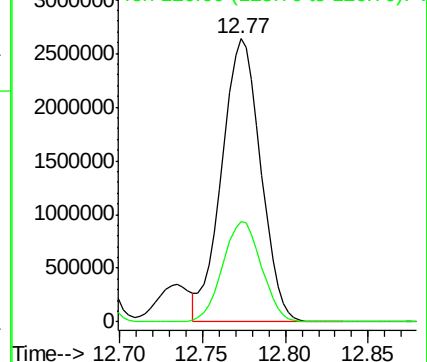
91 100

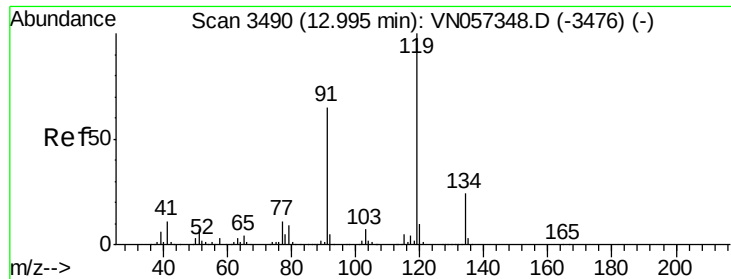
126 35.5 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

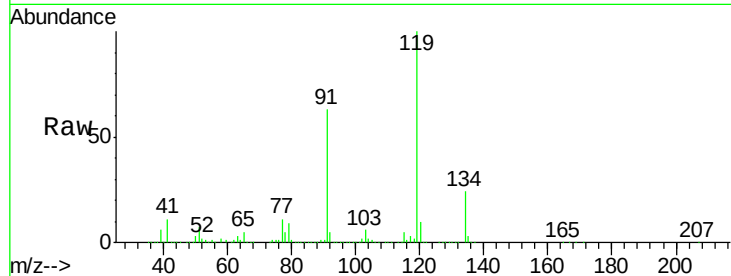




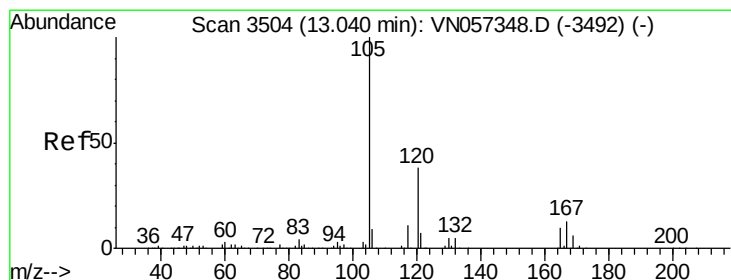
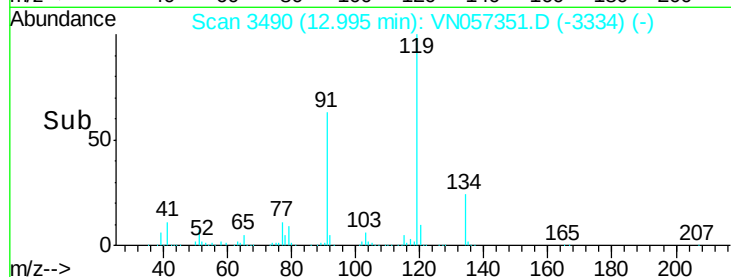
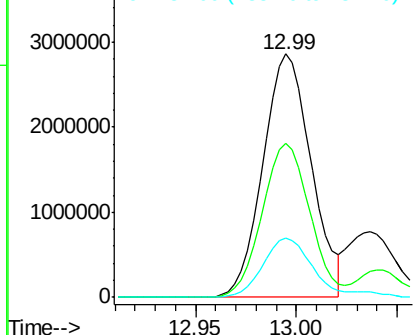
#79
tert-butylbenzene
Concen: 156.598 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 4776211
Ion Ratio Lower Upper
119 100
91 62.3 0.0 125.4
134 24.5 0.0 48.4

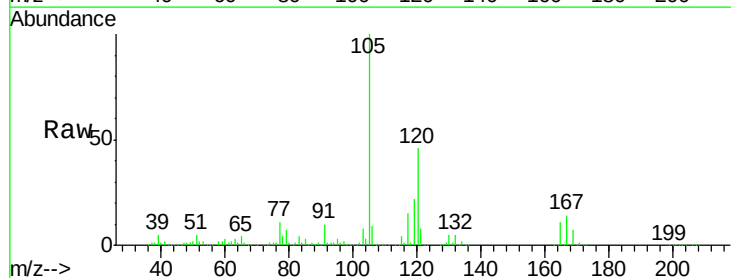


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

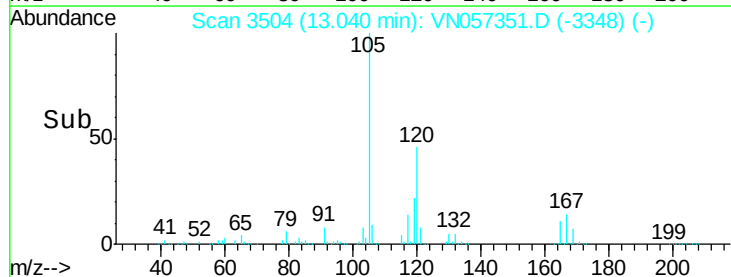
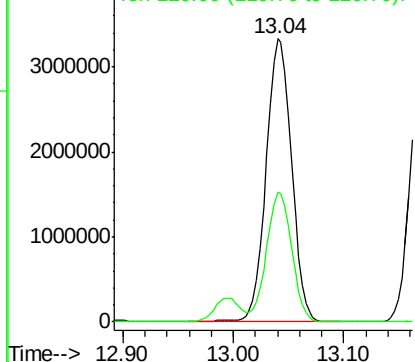


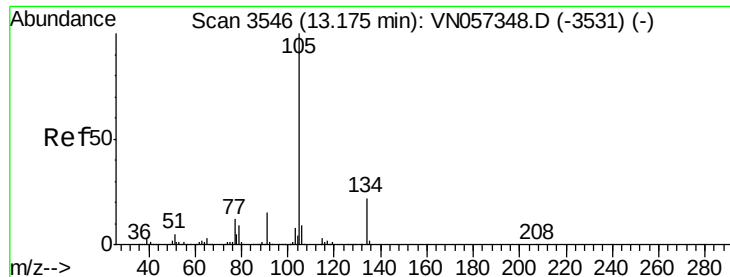
#80
1,2,4-Trimethylbenzene
Concen: 167.106 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion:105 Resp: 5320983
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.2



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





#81

sec-Butylbenzene

Concen: 166.034 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

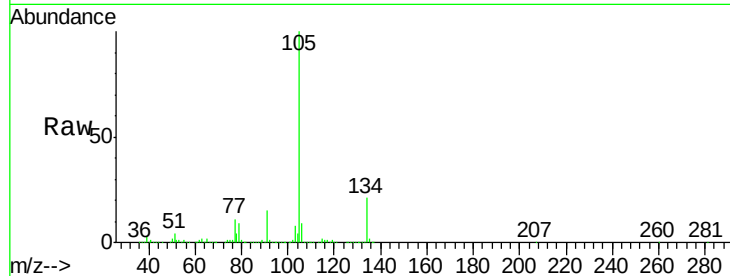
VSTDIC150

Tot Ion:105 Resp: 6165379

Ion Ratio Lower Upper

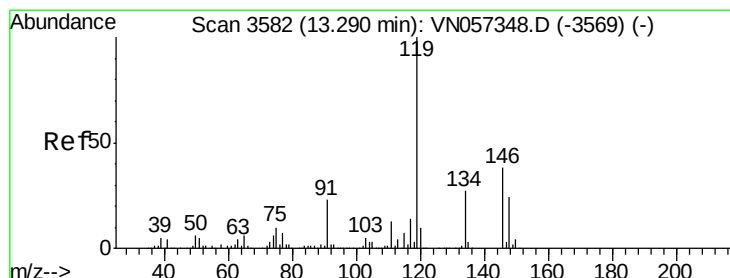
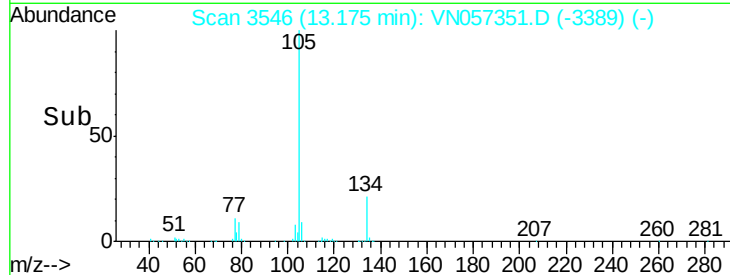
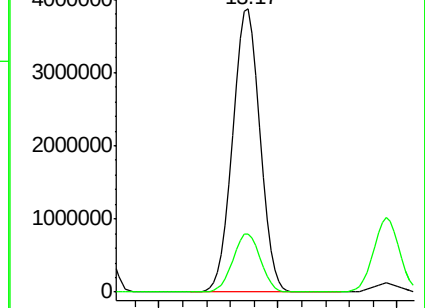
105 100

134 20.8 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 172.895 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

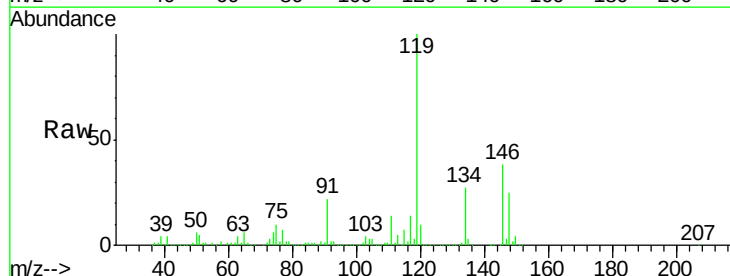
Tgt Ion:119 Resp: 5700579

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.8

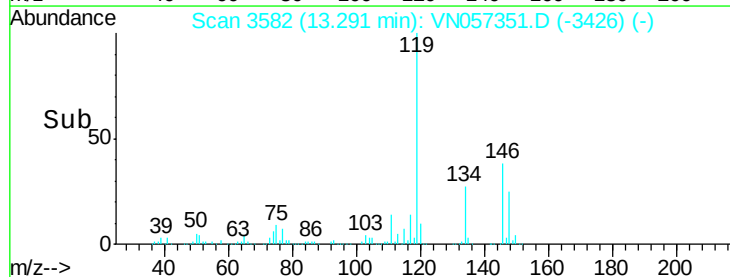
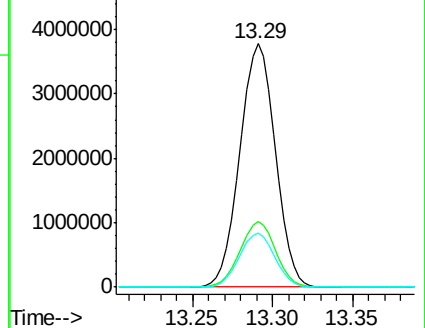
91 22.3 0.0 45.4

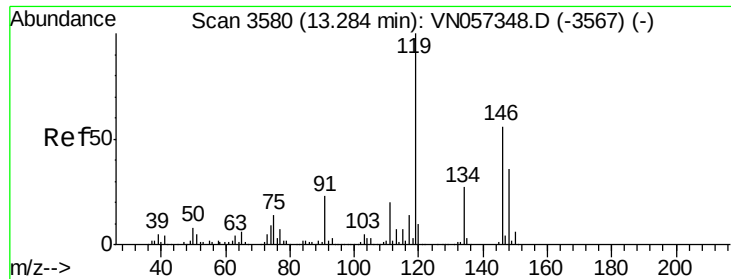


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

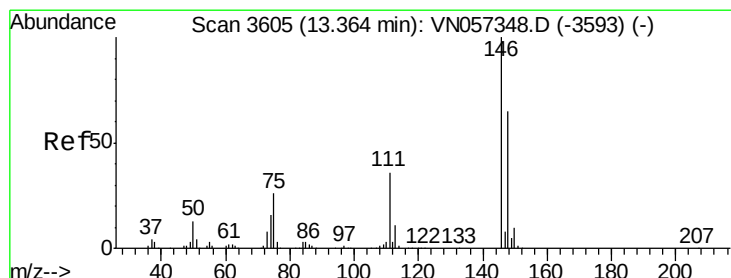
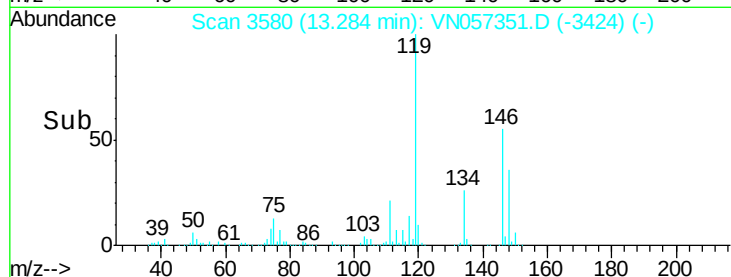
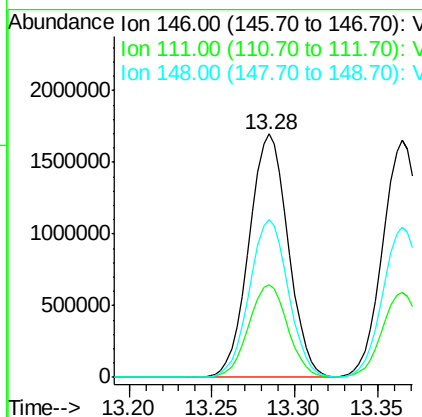
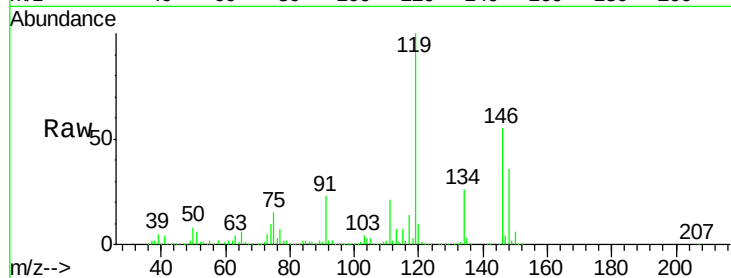




#83
 1,3-Dichlorobenzene
 Concen: 180.709 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

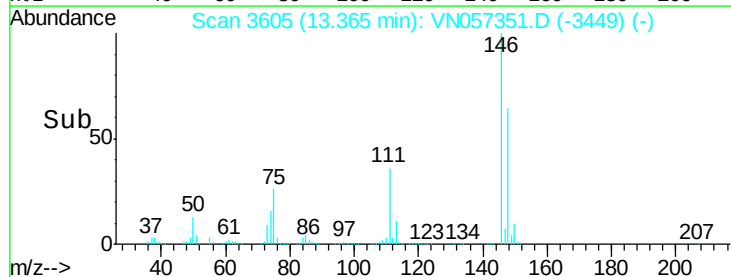
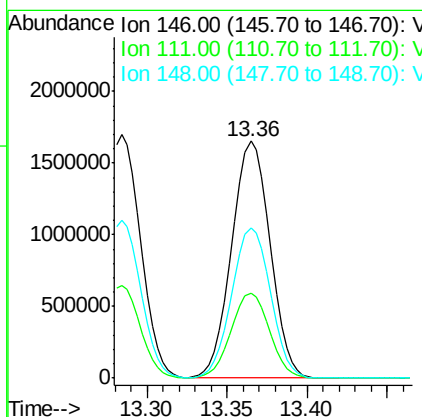
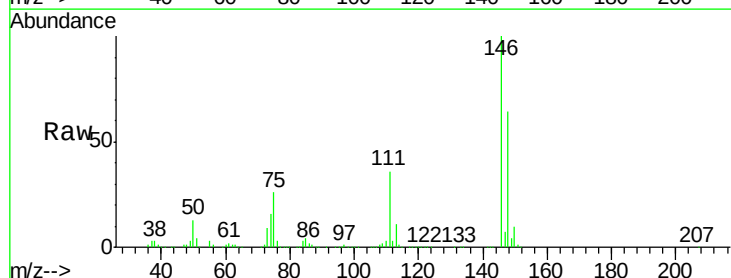
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

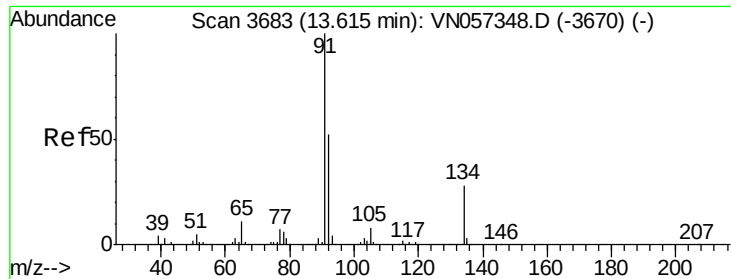
Tot Ion:146 Resp: 2797526
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.7 56.1
 148 64.5 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 189.395 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion:146 Resp: 2706707
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.8 53.4
 148 64.0 31.9 95.5





#85

n-Butylbenzene

Concen: 182.045 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

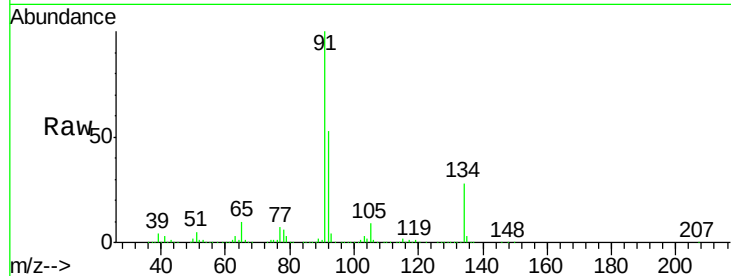
Tot Ion: 91 Resp: 4410964

Ion Ratio Lower Upper

91 100

92 52.6 0.0 104.0

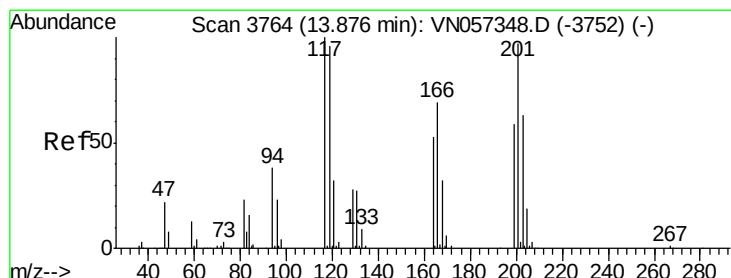
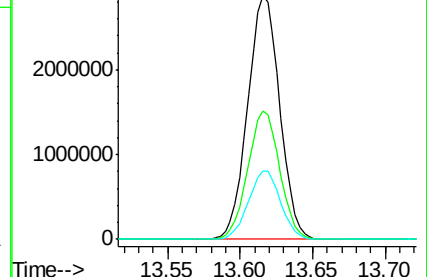
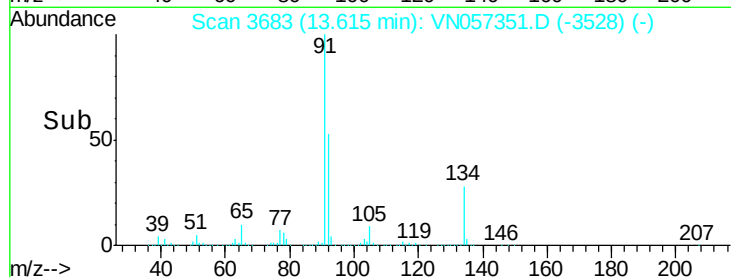
134 28.1 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057348.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057348.D (-3670) (-)



#86

Hexachloroethane

Concen: 160.255 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057351.D

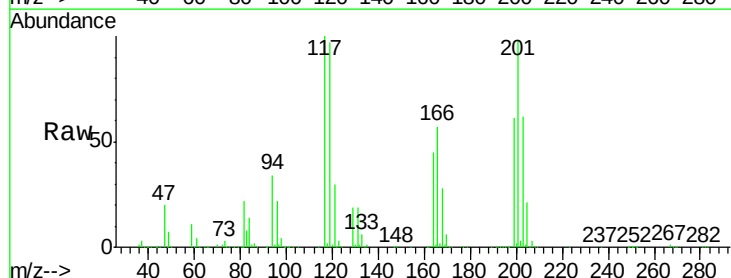
Acq: 16 Aug 2019 13:05

Tgt Ion: 117 Resp: 1033897

Ion Ratio Lower Upper

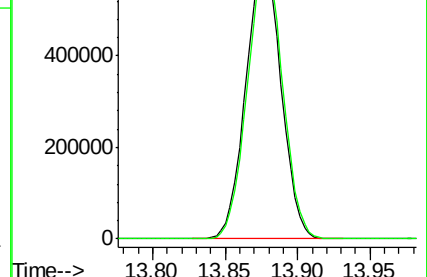
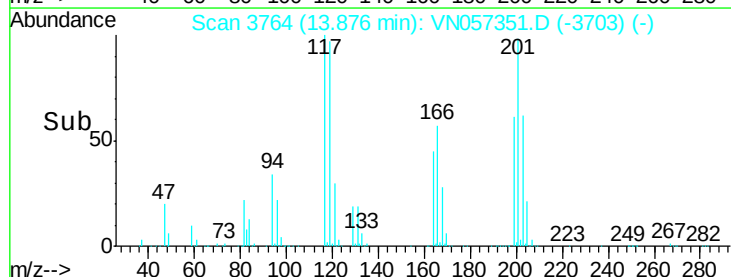
117 100

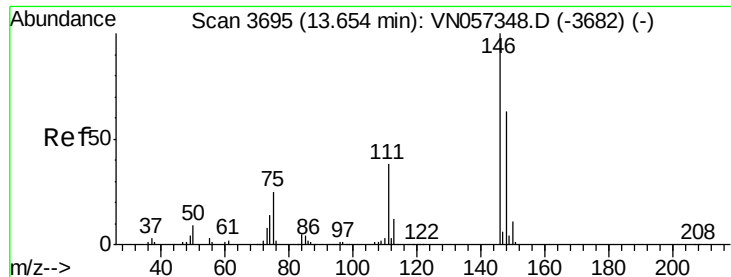
201 99.3 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN057348.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057348.D (-3752) (-)

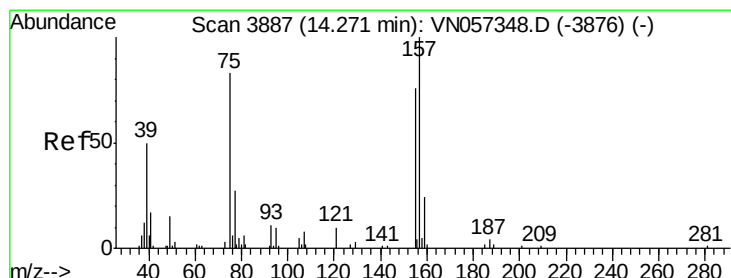
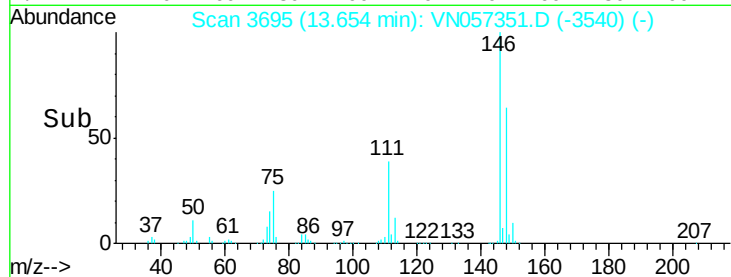
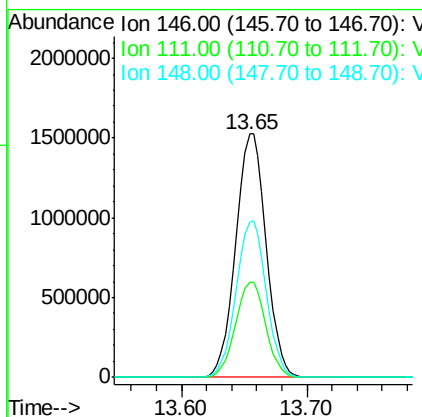
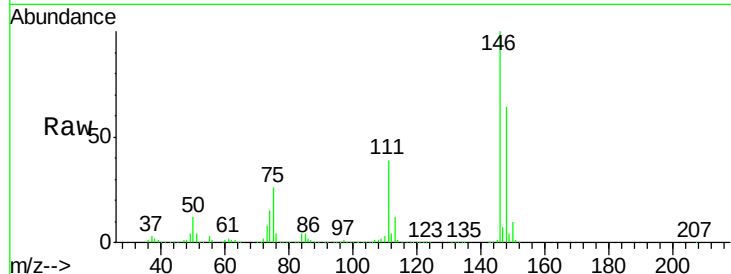




#87
 1,2-Dichlorobenzene
 Concen: 174.156 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

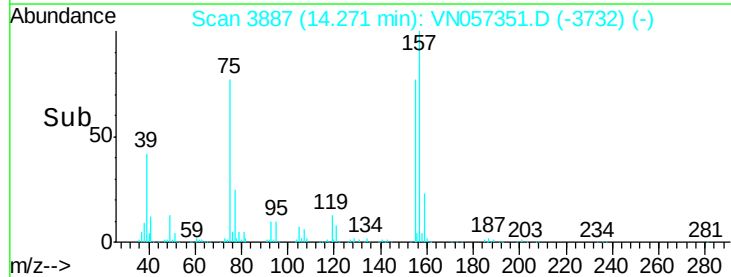
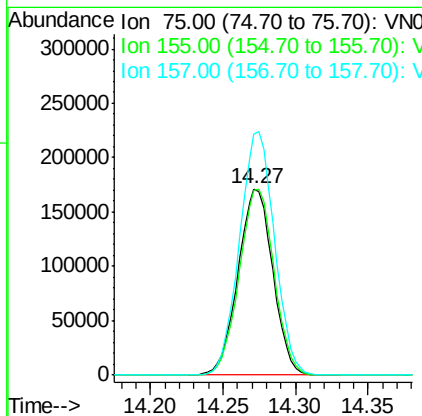
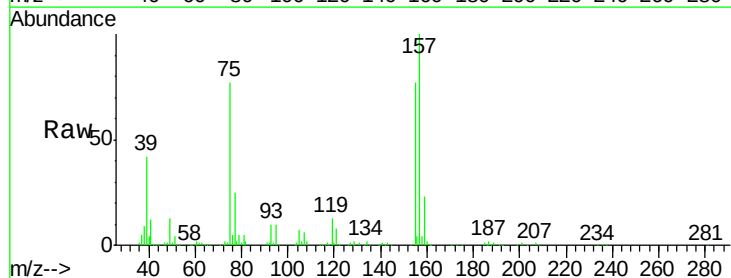
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

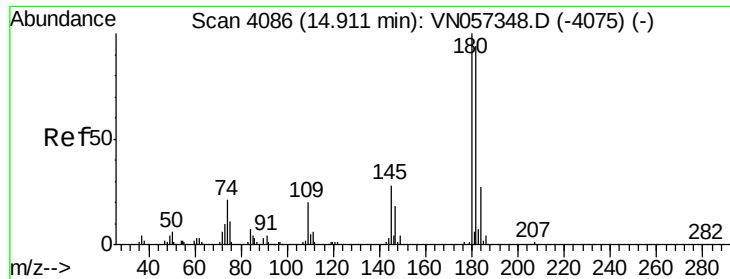
Tot Ion:146 Resp: 2568586
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.7 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 200.530 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 75 Resp: 286364
 Ion Ratio Lower Upper
 75 100
 155 99.9 78.6 117.8
 157 131.2 99.3 148.9

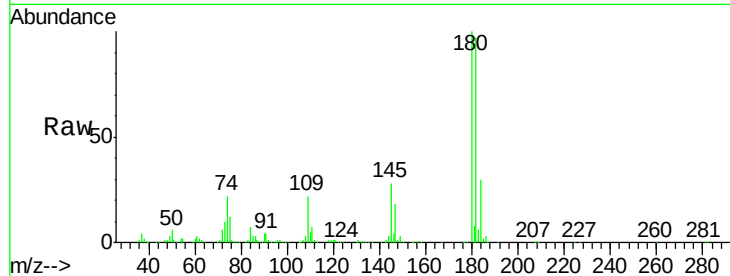




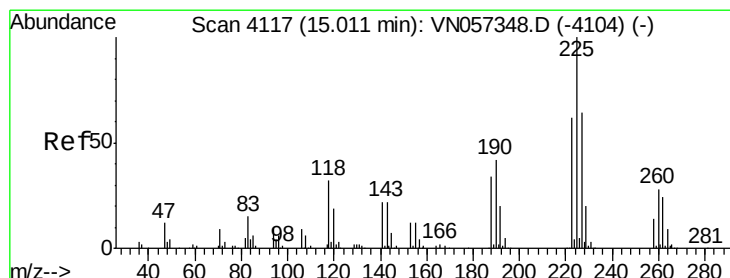
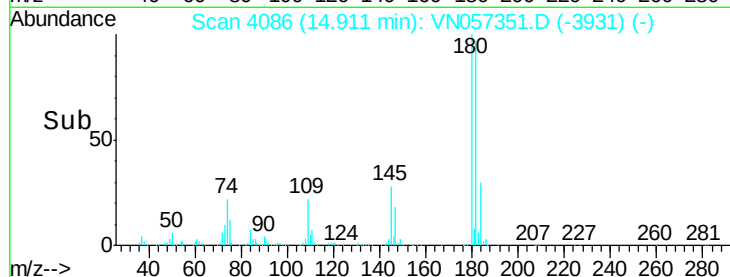
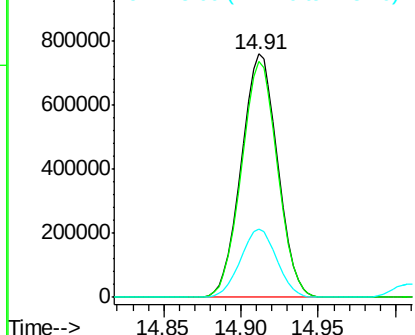
#89
 1,2,4-Trichlorobenzene
 Concen: 264.744 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1236819
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.2 117.4
 145 28.2 23.2 34.8

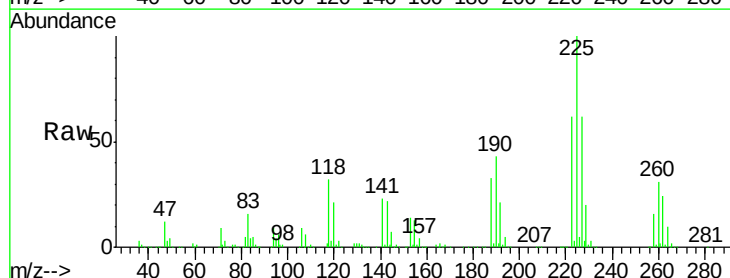


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

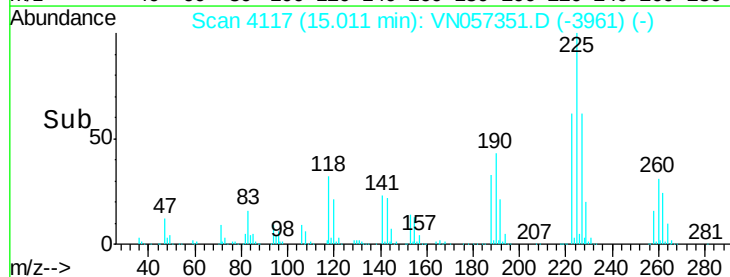
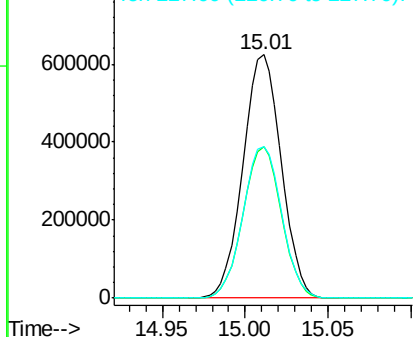


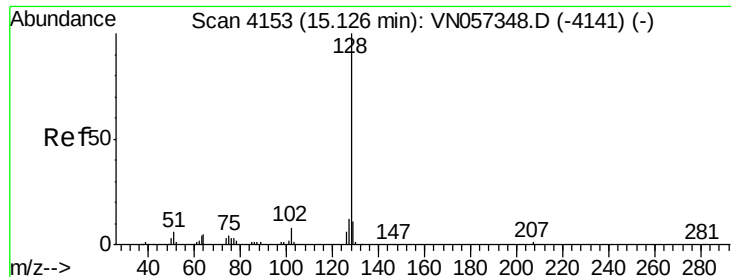
#90
 Hexachlorobutadiene
 Concen: 144.981 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion:225 Resp: 1003307
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 124.6
 227 63.0 0.0 128.6



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

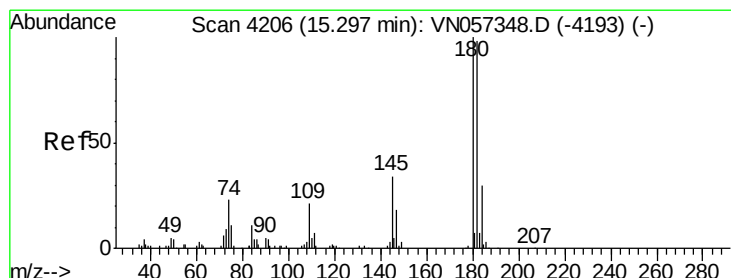
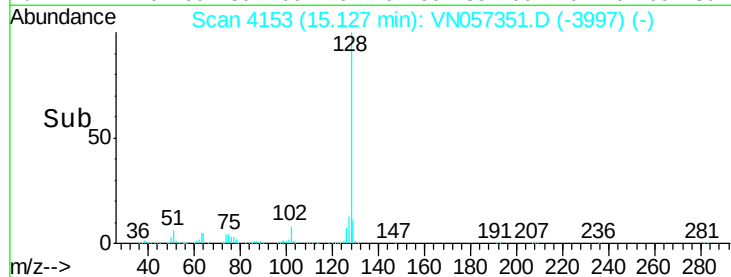
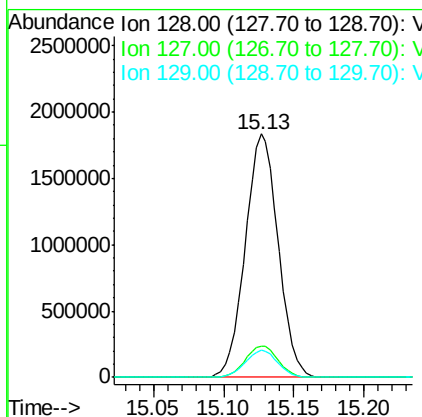
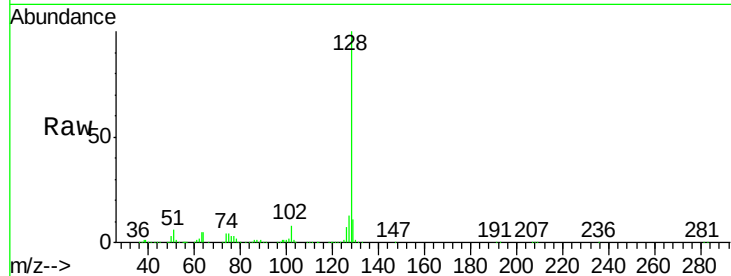




#91
Naphthalene
Concen: 313.331 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2995480
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 286.577 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt Ion:180 Resp: 1238122
Ion Ratio Lower Upper
180 100
182 97.1 0.0 192.4
145 29.9 0.0 60.4

