

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
 Data File : VN057351.D
 Acq On : 16 Aug 2019 13:05
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 17 03:24:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 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	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.40	95	335108	32.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	108.00%
63) Toluene-d8	10.09	98	913193	28.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1094874	152.251	ug/l	97
3) Chloromethane	2.05	50	1282844	154.688	ug/l	100
4) Vinyl Chloride	2.18	62	1215261	153.168	ug/l	98
5) Bromomethane	2.52	94	801316	129.795	ug/l	96
6) Chloroethane	2.68	64	771705	141.990	ug/l	98
7) Trichlorofluoromethane	3.01	101	1889186	148.569	ug/l	98
8) Diethyl Ether	3.40	74	719074	153.659	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1123509	148.379	ug/l	96
10) 1,1-Dichloroethene	3.73	96	1139950	151.802	ug/l	93
11) Methyl Iodide	3.94	142	1982295	156.541	ug/l	99
12) Methyl Acetate	4.31	43	1196555	141.727	ug/l	98
13) Acrolein	3.60	56	611195	765.558	ug/l	99
14) Acrylonitrile	4.97	53	2669563	780.565	ug/l	99
15) Acetone	3.80	58	720699	715.120	ug/l	99
16) Carbon Disulfide	4.05	76	3179852	154.911	ug/l	100
17) Allyl chloride	4.31	41	1769505	161.328	ug/l	95
18) Methylene Chloride	4.54	84	1284484	149.448	ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	1205504	148.247	ug/l	97
20) Diisopropyl ether	5.94	45	3393101	148.562	ug/l	92
21) 1,1-Dichloroethane	5.83	63	2103079	149.024	ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	1405764	149.182	ug/l	98
23) tert-Butyl Alcohol	4.77	59	960179	787.804	ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	3512051	152.401	ug/l	99
25) Chloroform	7.36	83	2182442	147.960	ug/l	100
26) Cyclohexane	7.64	56	1772592	151.106	ug/l #	94
29) 1,1-Dichloropropene	7.78	75	1670604	150.493	ug/l	98
30) 2-Butanone	6.82	43	3289742	751.124	ug/l	95
31) 2,2-Dichloropropane	6.81	77	1795019	147.609	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	1977824	150.711	ug/l	97
33) Carbon Tetrachloride	7.77	117	1785087	152.761	ug/l	98
34) Benzene	8.03	78	5031262	149.398	ug/l #	91
35) Methacrylonitrile	7.19	41	1900770	323.065	ug/l #	51
36) 1,2-Dichloroethane	8.12	62	1621767	148.179	ug/l	99
37) Trichloroethene	8.83	130	1459143	148.849	ug/l	95
38) Methylcyclohexane	9.08	83	1986209	151.079	ug/l	95
39) 1,2-Dichloropropane	9.11	63	1289053	149.761	ug/l	99
40) Dibromomethane	9.20	93	860526	150.281	ug/l	94

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 VSTDICC150

Quant Time: Aug 17 03:24:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1783233	153.692	ug/l	98
42) Vinyl Acetate	5.88	43	14155856	768.138	ug/l	97
43) Ethyl Acetate	6.91	43	1358092	151.134	ug/l	98
45) 1,4-Dioxane	9.19	88	458634	3076.852	ug/l	96
46) Methyl methacrylate	9.19	41	1112970	156.962	ug/l	92
47) n-amyl Acetate	12.07	43	1985962	169.974	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1991854	158.681	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	2167833	155.115	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	1251521	149.762	ug/l	97
51) Ethyl methacrylate	10.43	69	1958744	161.690	ug/l	93
52) 1,3-Dichloropropane	10.70	76	2065760	151.361	ug/l	99
53) Dibromochloromethane	10.90	129	1514715	157.547	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1361709	154.719	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	2645885	938.270	ug/l	96
56) Bromoform	12.13	173	1209648	166.620	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	6896886	753.848	ug/l	95
59) 2-Hexanone	10.75	43	4965271	756.672	ug/l	95
61) Tetrachloroethene	10.63	164	1395229	135.542	ug/l	99
62) Toluene	10.15	91	5589626	144.296	ug/l	99
64) Chlorobenzene	11.43	112	3634774	149.367	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	1380119	145.906	ug/l	99
66) Ethyl Benzene	11.51	91	6362315	150.332	ug/l	100
67) m/p-Xylenes	11.62	106	4863415	307.038	ug/l	99
68) o-Xylene	11.95	106	2364844	152.718	ug/l	97
69) Styrene	11.96	104	4102866	164.923	ug/l	99
70) Isopropylbenzene	12.25	105	6349629	152.950	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1691984	148.782	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	2235722	232.964	ug/l	72
73) Bromobenzene	12.53	156	1763798	160.330	ug/l	92
74) n-propylbenzene	12.59	91	7139236	165.559	ug/l	98
75) 2-Chlorotoluene	12.67	91	4277551	159.852	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	5466799	158.329	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	624385	169.552	ug/l	86
78) 4-Chlorotoluene	12.77	91	4299478	171.723	ug/l	99
79) tert-butylbenzene	12.99	119	4776211	155.233	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	5320983	163.380	ug/l	100
81) sec-Butylbenzene	13.17	105	6165379	162.559	ug/l	99
82) p-Isopropyltoluene	13.29	119	5700579	167.774	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2797526	173.601	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2706707	179.944	ug/l	100
85) n-Butylbenzene	13.62	91	4410964	174.586	ug/l	98
86) Hexachloroethane	13.88	117	1033897	158.093	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	2568586	168.722	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	286364	187.872	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1236819	229.615	ug/l	98
90) Hexachlorobutadiene	15.01	225	1003307	145.958	ug/l	99
91) Naphthalene	15.13	128	2995480	257.298	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	1238122	242.430	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Aug 17 03:24:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration

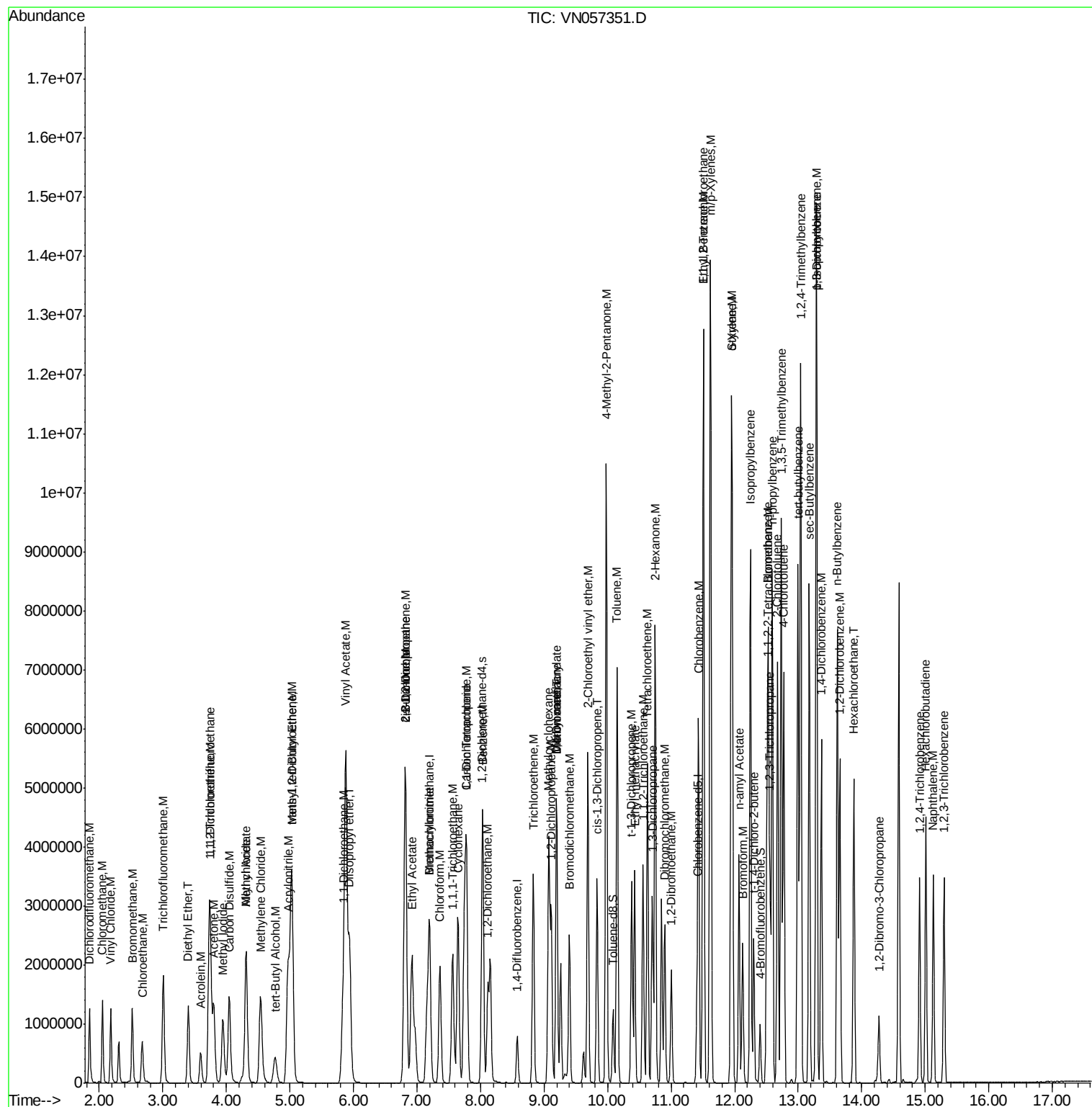
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

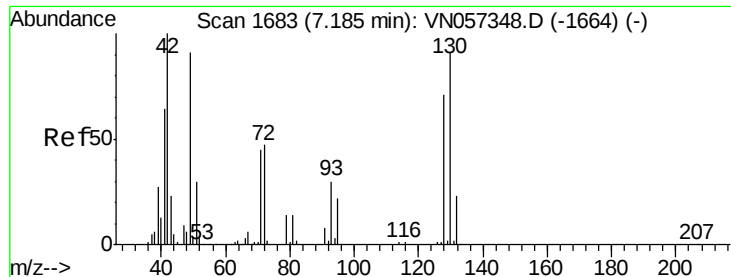
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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
Client Sample Id :
VSTDIC150

Quant Time: Aug 17 03:24:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
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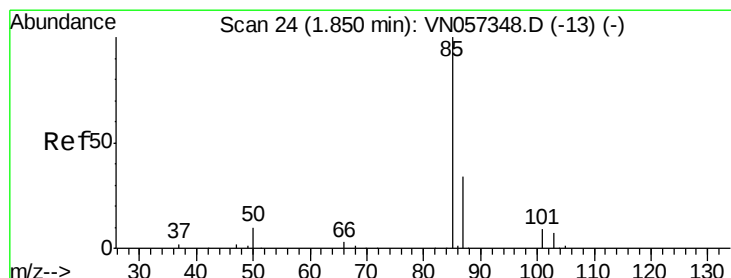
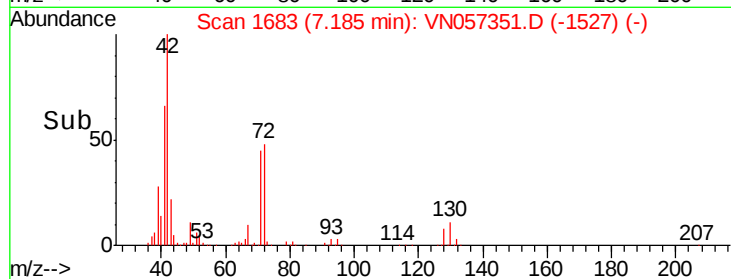
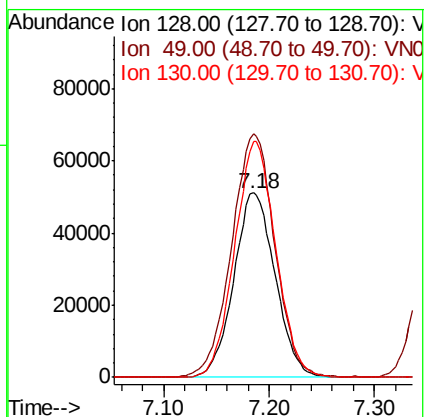
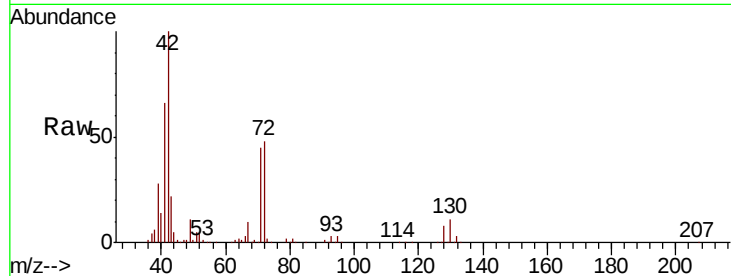




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

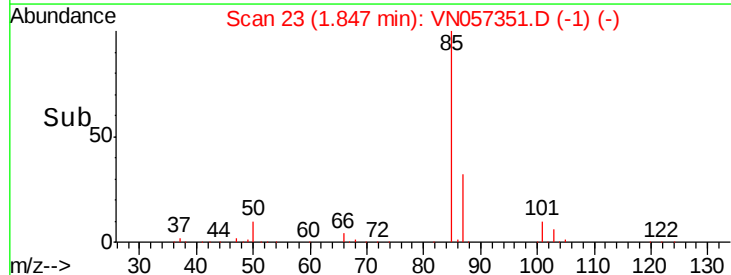
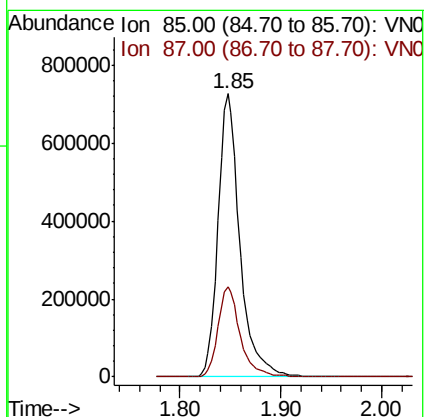
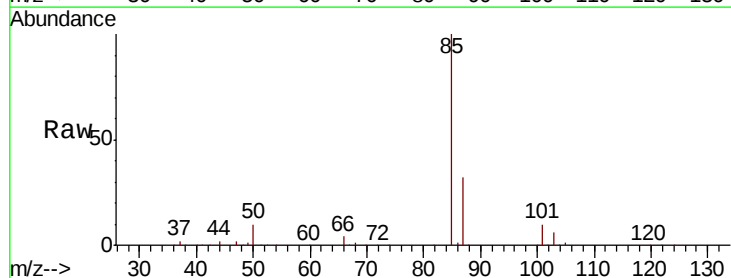
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

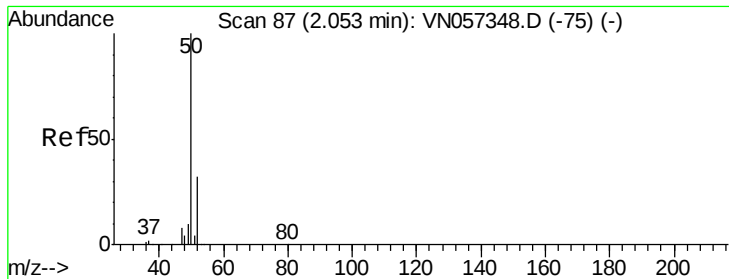
Tgt Ion: 128 Resp: 139217
 Ion Ratio Lower Upper
 128 100
 49 137.8 0.0 390.5
 130 127.2 0.0 316.5



#2
 Dichlorodifluoromethane
 Concen: 152.251 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: 154.688 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 :

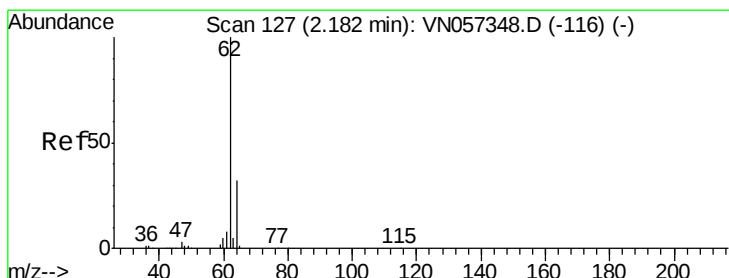
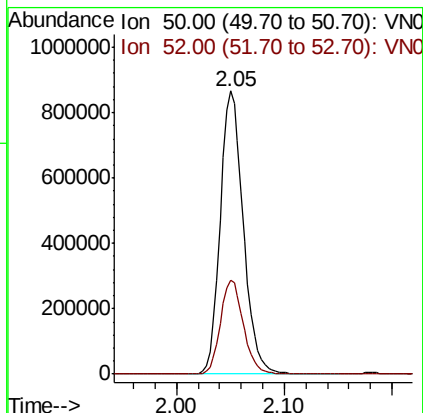
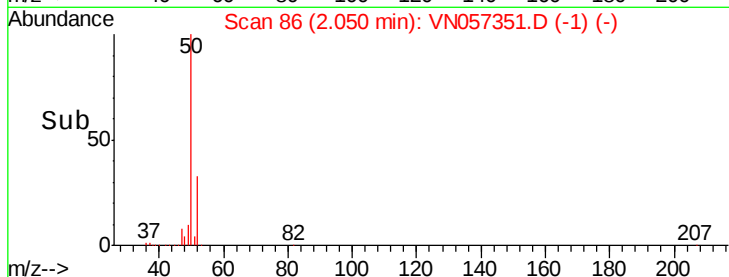
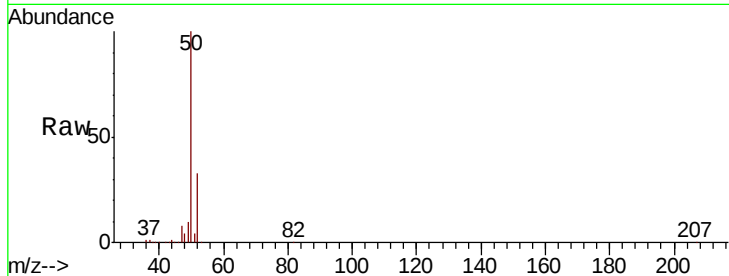
VSTDIC150

Tgt Ion: 50 Resp: 1282844

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



#4

Vinyl Chloride

Concen: 153.168 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057351.D

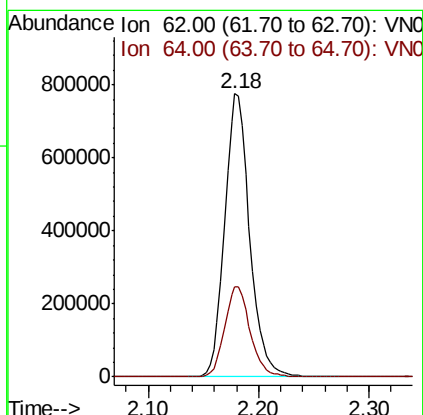
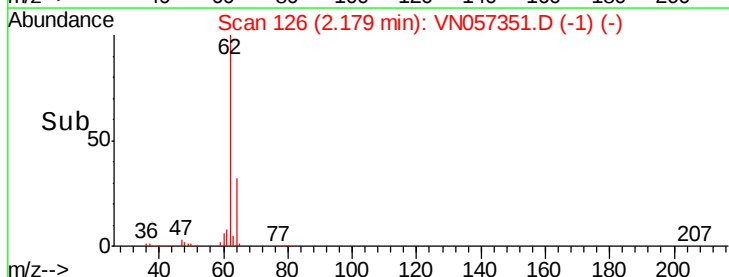
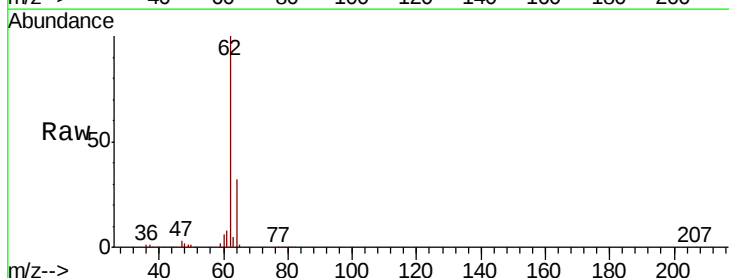
Acq: 16 Aug 2019 13:05

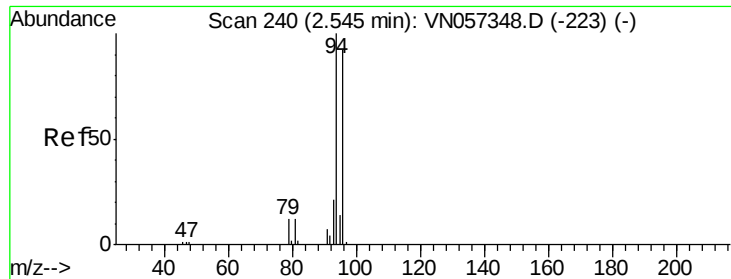
Tgt Ion: 62 Resp: 1215261

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 129.795 ug/l

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 :

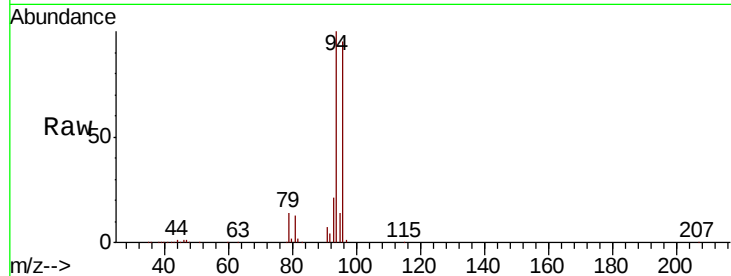
VSTDIC150

Tgt Ion: 94 Resp: 801316

Ion Ratio Lower Upper

94 100

96 95.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN057348.D (-223) (-)

Ion 96.00 (95.70 to 96.70): VN057348.D (-223) (-)

2.52

500000

400000

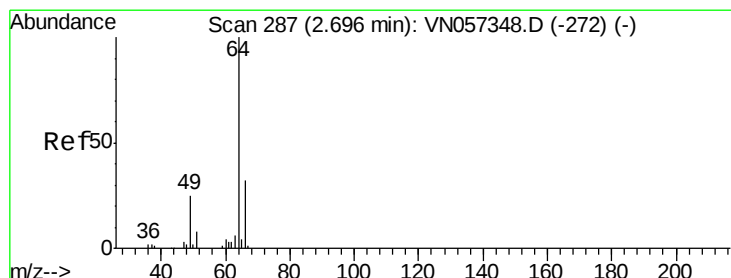
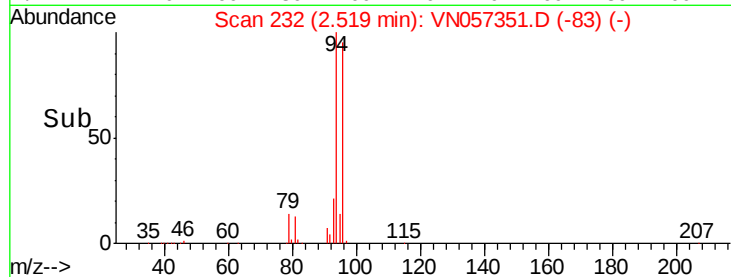
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 141.990 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.02 min

Lab File: VN057351.D

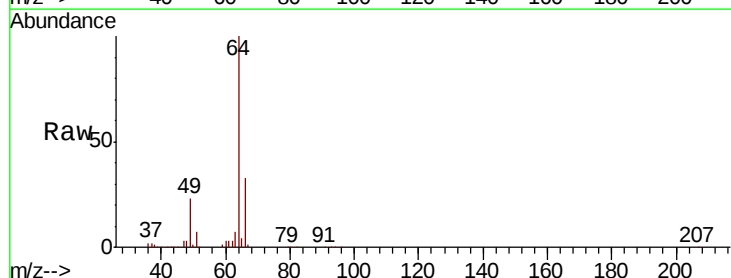
Acq: 16 Aug 2019 13:05

Tgt Ion: 64 Resp: 771705

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN057348.D (-272) (-)

Ion 66.00 (65.70 to 66.70): VN057348.D (-272) (-)

2.68

400000

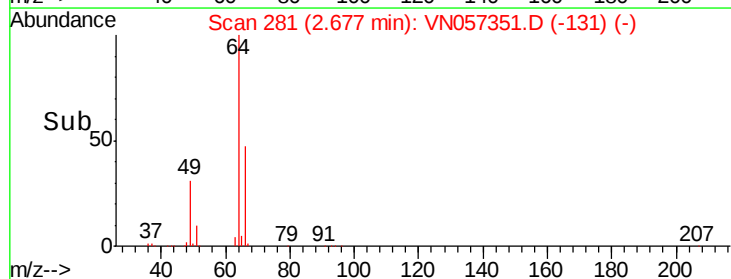
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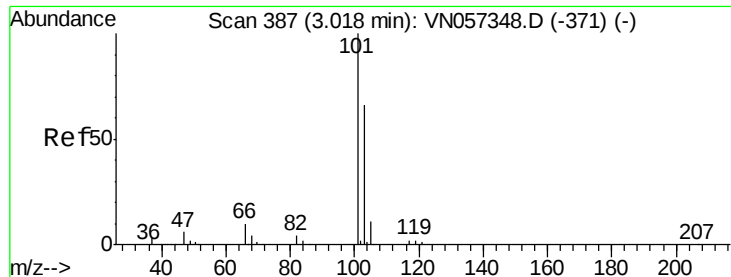
200000

100000

0

Time-->



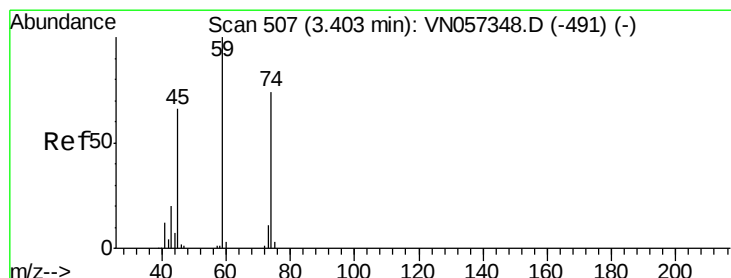
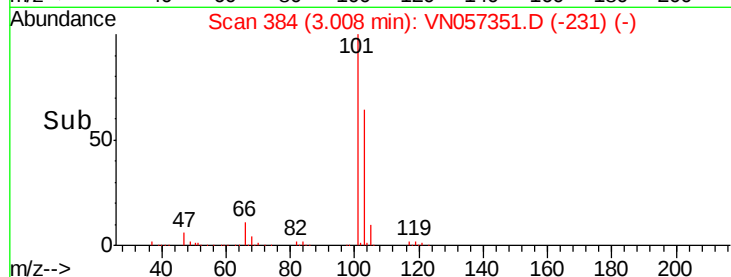
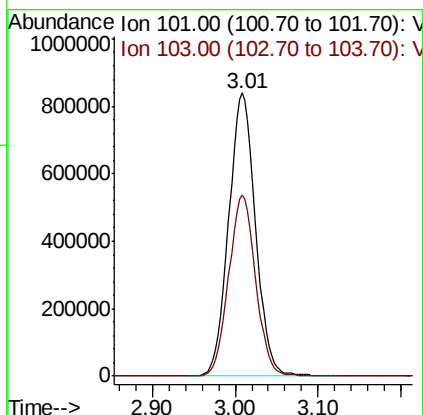
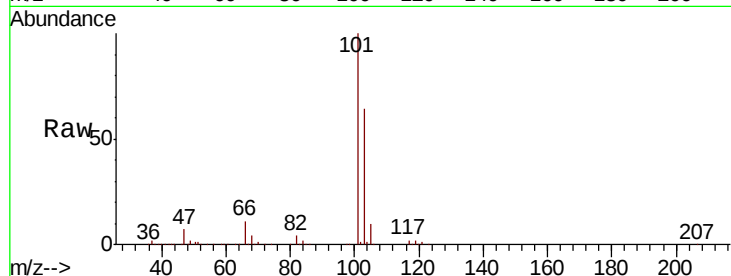


#7

Trichlorofluoromethane
 Concen: 148.569 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

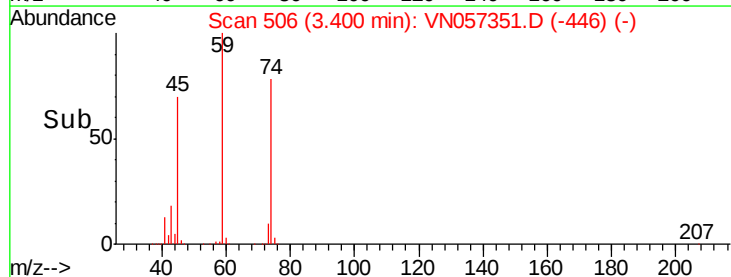
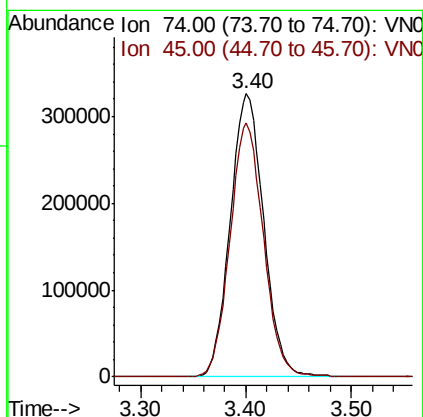
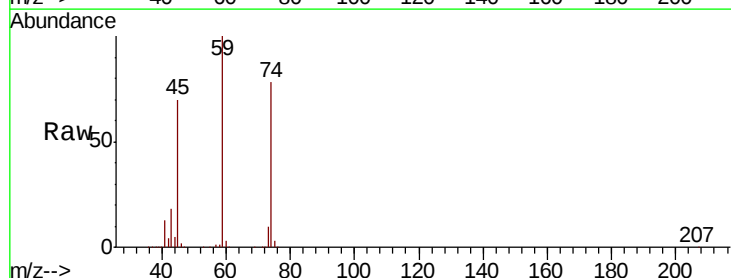
Tgt Ion:101 Resp: 1889186
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.8 79.2

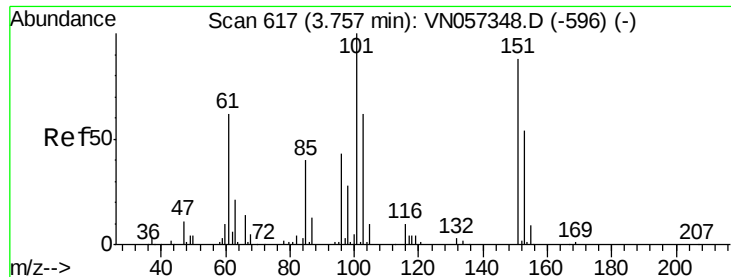


#8

Diethyl Ether
 Concen: 153.659 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: 148.379 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

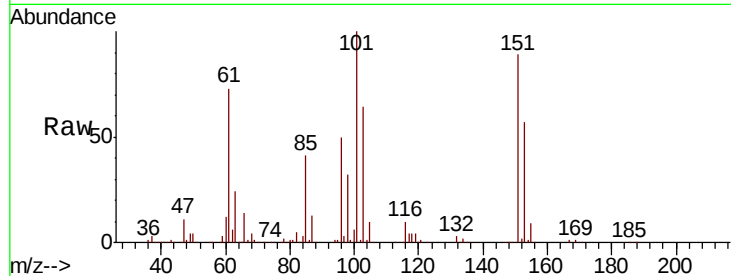
Tgt Ion:101 Resp: 1123509

Ion Ratio Lower Upper

101 100

85 41.1 0.0 84.2

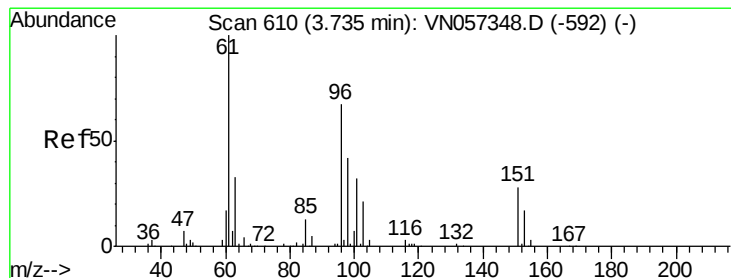
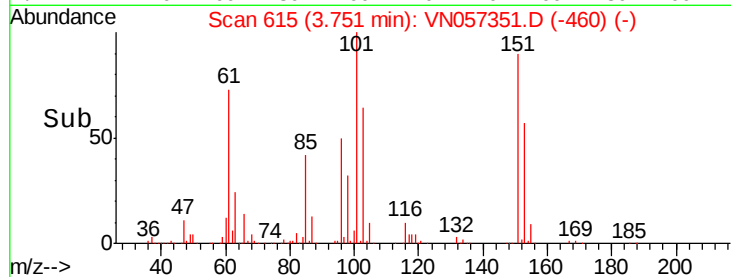
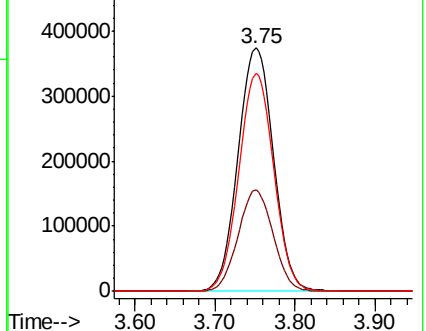
151 88.2 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 151.802 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

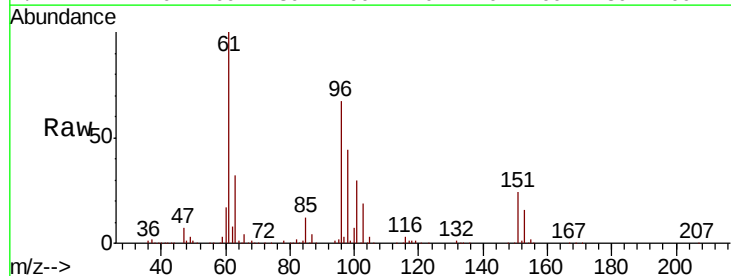
Tgt Ion: 96 Resp: 1139950

Ion Ratio Lower Upper

96 100

61 148.2 129.0 193.4

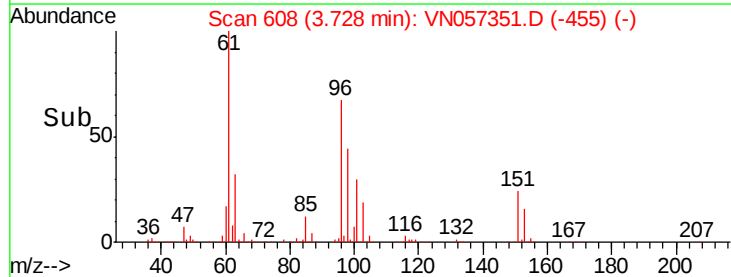
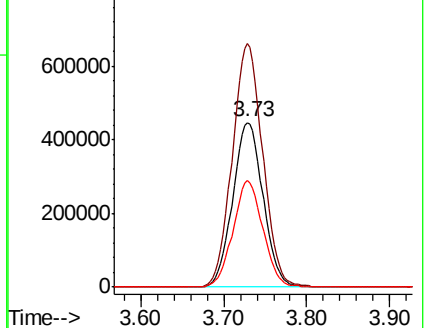
98 64.6 52.5 78.7

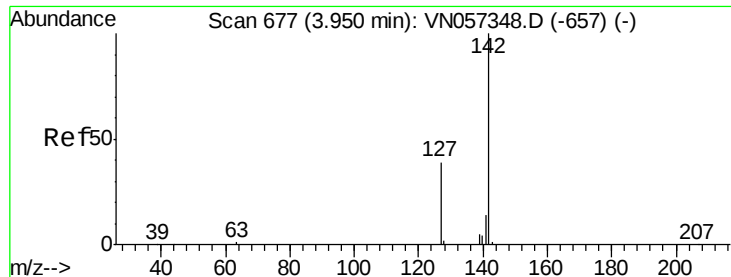


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

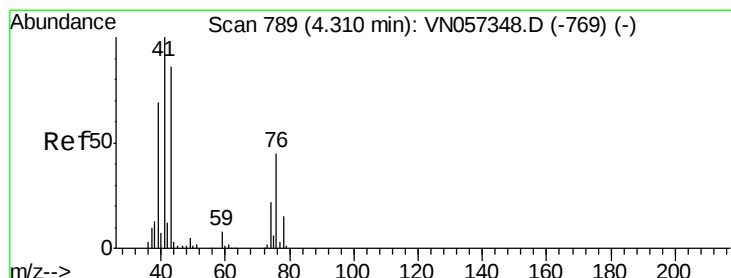
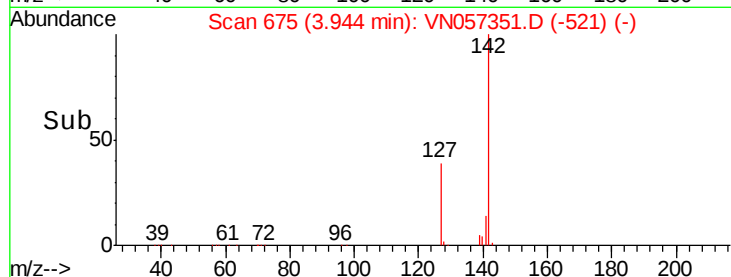
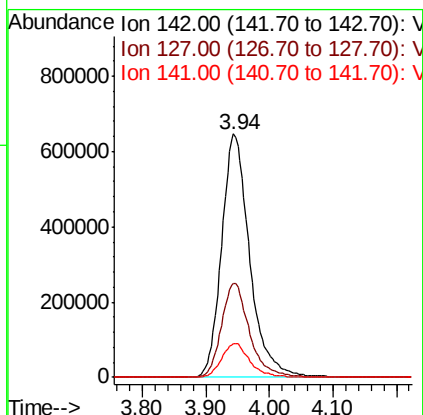
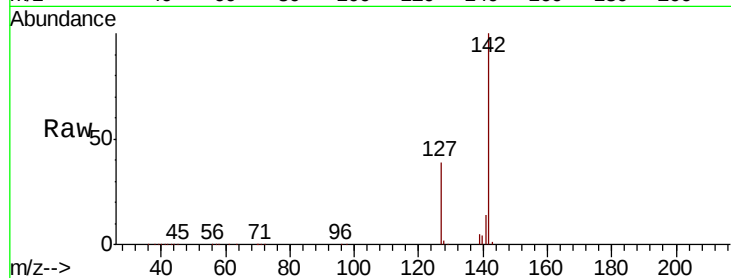




#11
Methyl Iodide
Concen: 156.541 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

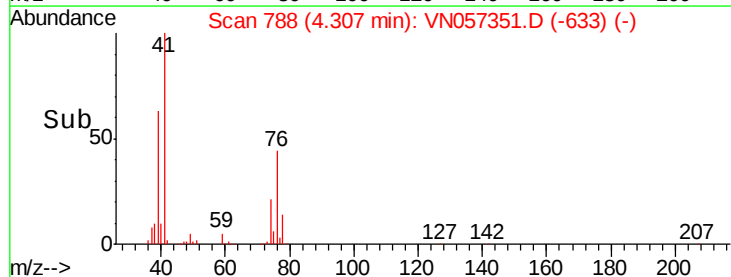
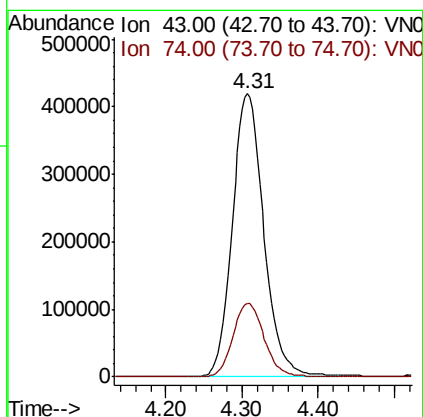
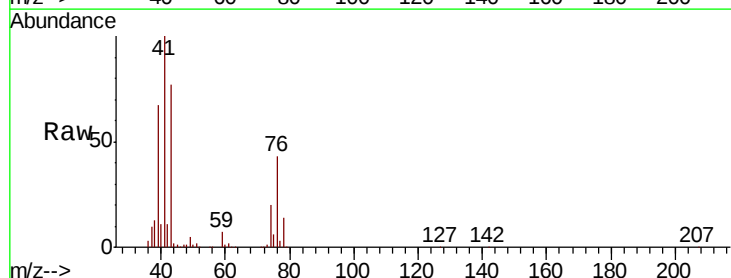
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

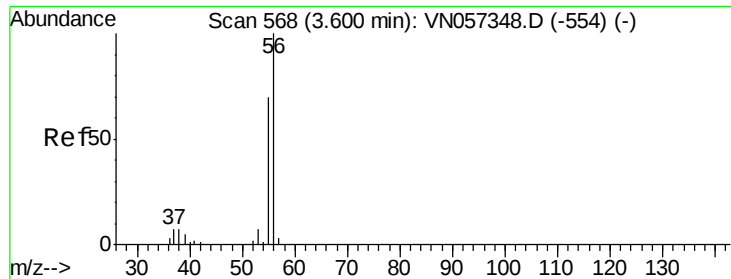
Tgt Ion:142 Resp: 1982295
Ion Ratio Lower Upper
142 100
127 38.7 19.5 58.5
141 13.9 6.8 20.3



#12
Methyl Acetate
Concen: 141.727 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





#13

Acrolein

Concen: 765.558 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 :

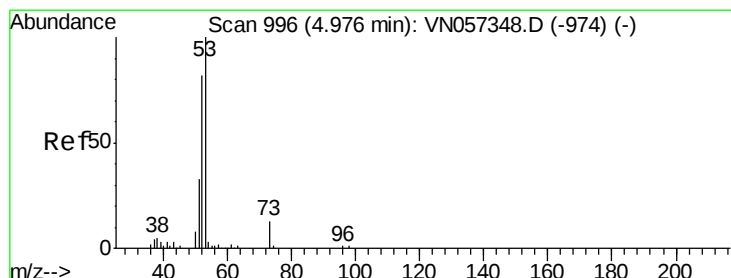
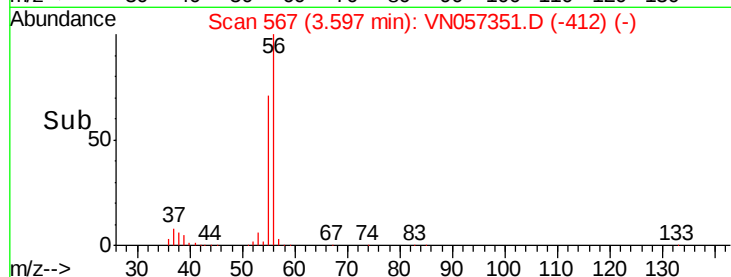
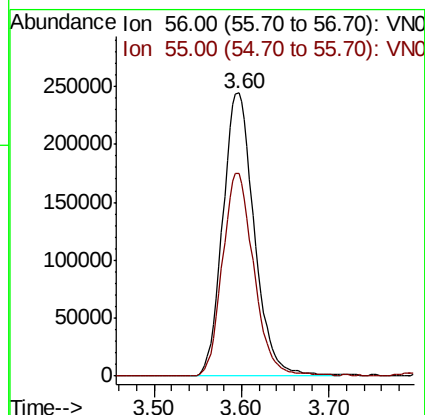
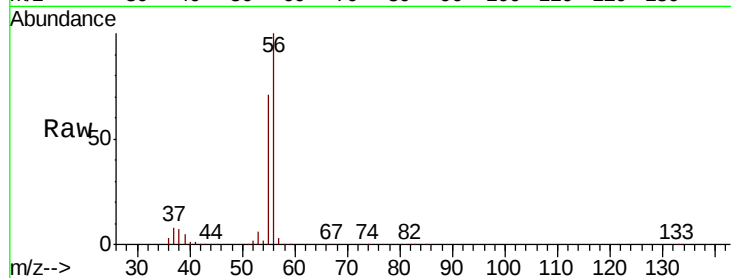
VSTDIC150

Tgt Ion: 56 Resp: 611195

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



#14

Acrylonitrile

Concen: 780.565 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

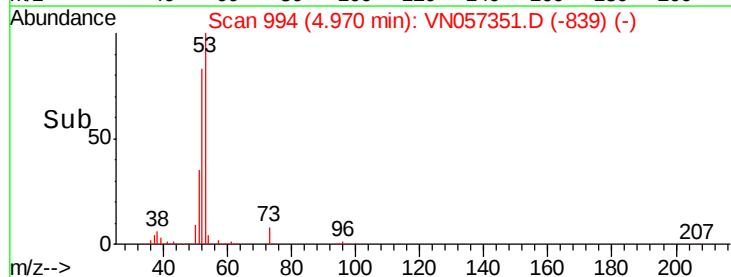
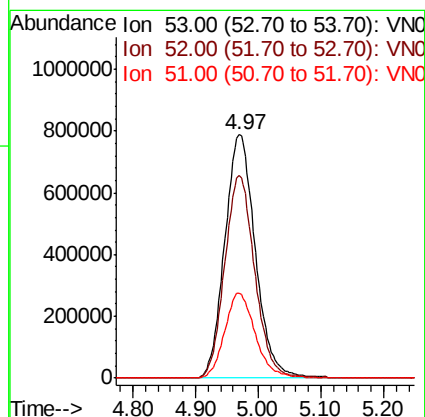
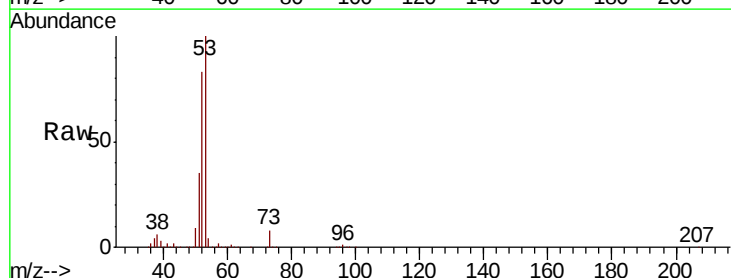
Tgt Ion: 53 Resp: 2669563

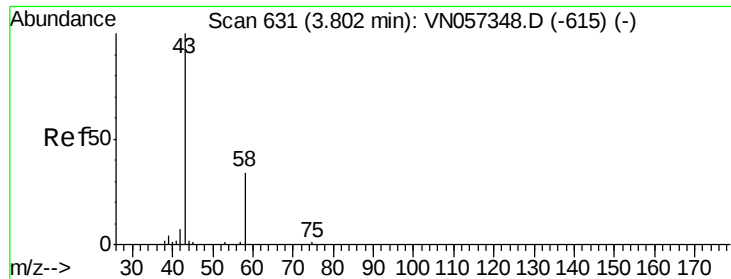
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.7

51 35.0 17.7 53.1





#15

Acetone

Concen: 715.120 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 :

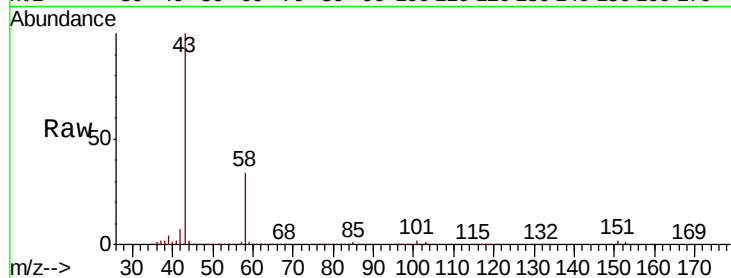
VSTDIC150

Tgt Ion: 58 Resp: 720699

Ion Ratio Lower Upper

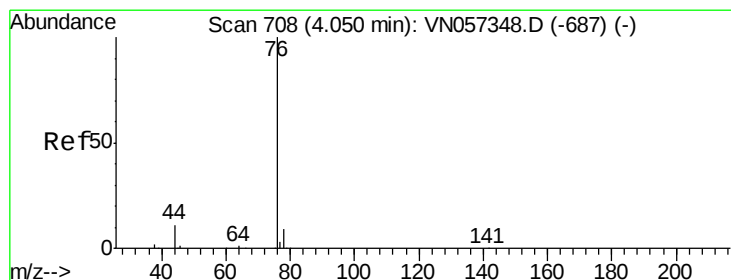
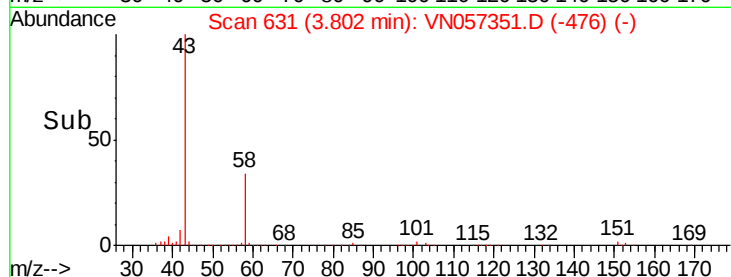
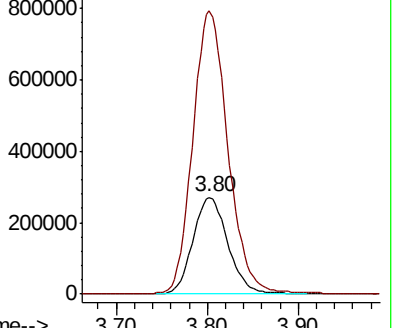
58 100

43 291.3 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN057348.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-615) (-)



#16

Carbon Disulfide

Concen: 154.911 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057351.D

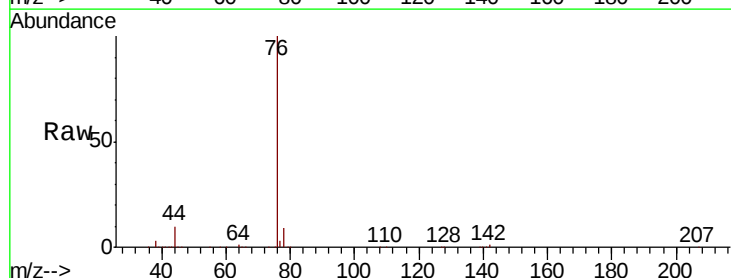
Acq: 16 Aug 2019 13:05

Tgt Ion: 76 Resp: 3179852

Ion Ratio Lower Upper

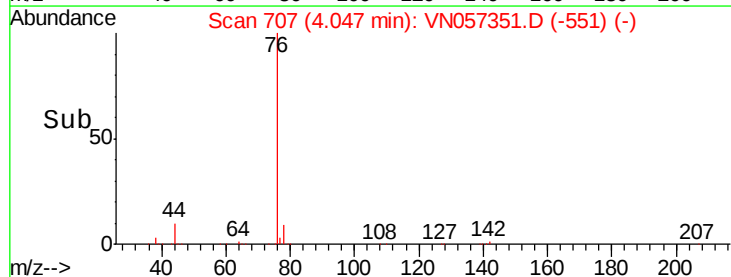
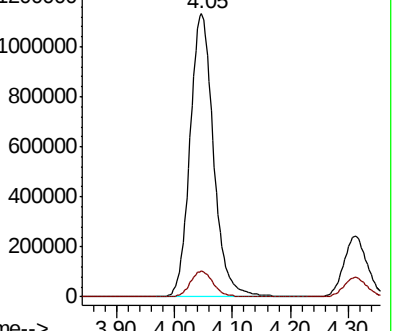
76 100

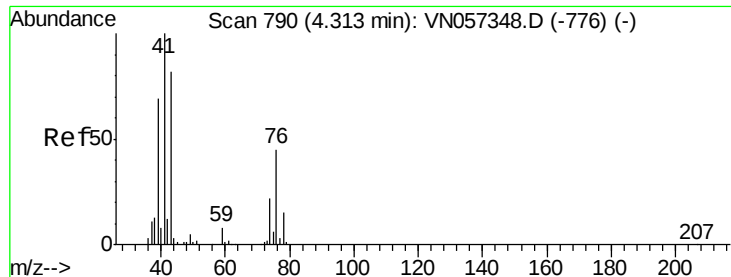
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-687) (-)

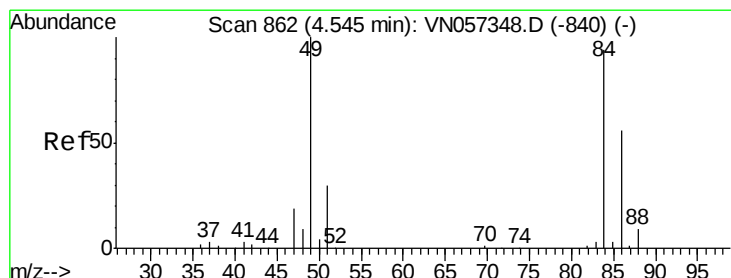
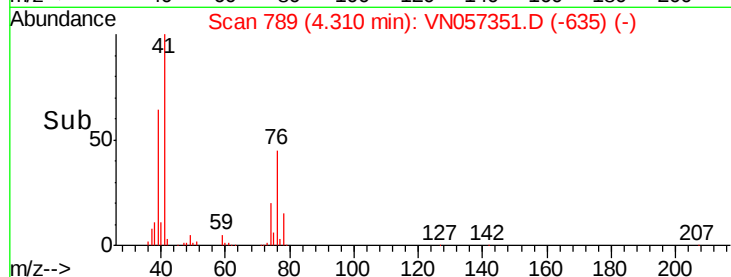
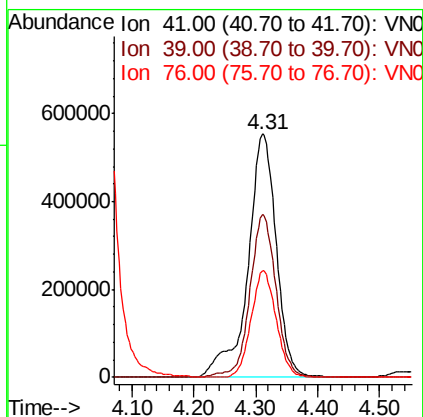
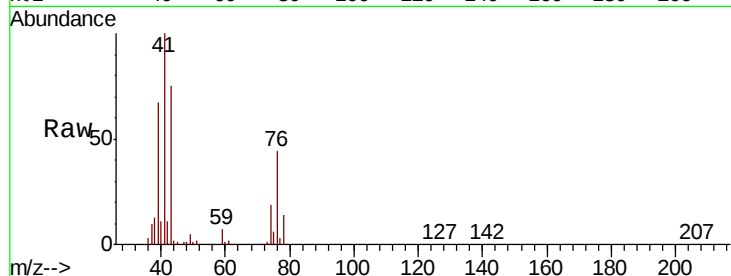




#17
 Allyl chloride
 Concen: 161.328 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

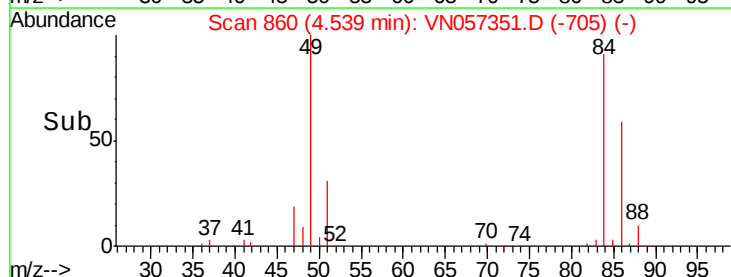
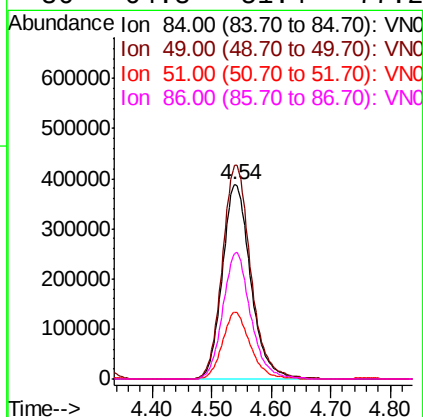
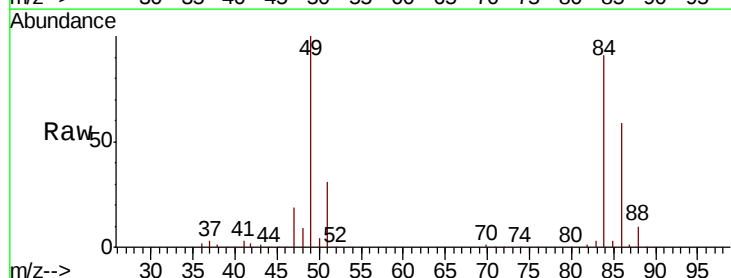
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

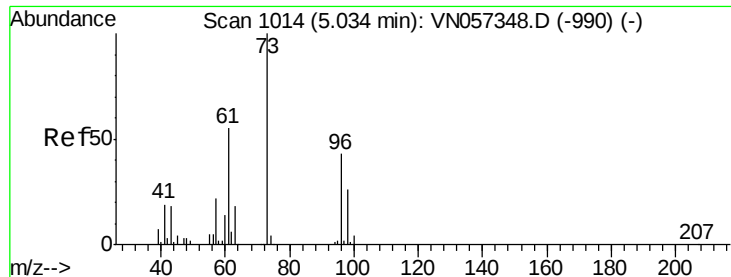
Tgt Ion: 41 Resp: 1769505
 Ion Ratio Lower Upper
 41 100
 39 67.0 32.8 98.4
 76 44.0 18.5 55.5



#18
 Methylene Chloride
 Concen: 149.448 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

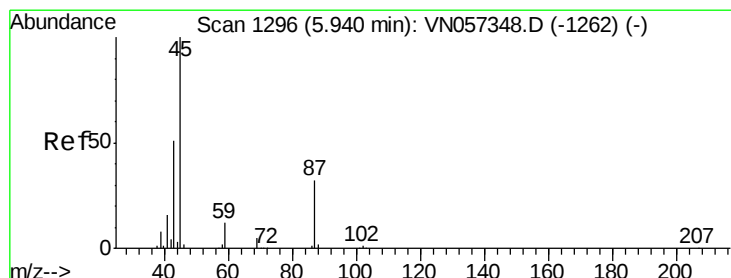
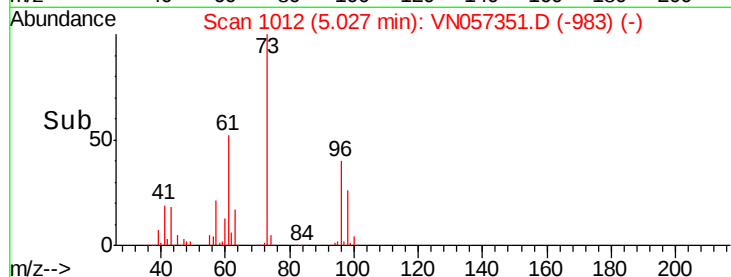
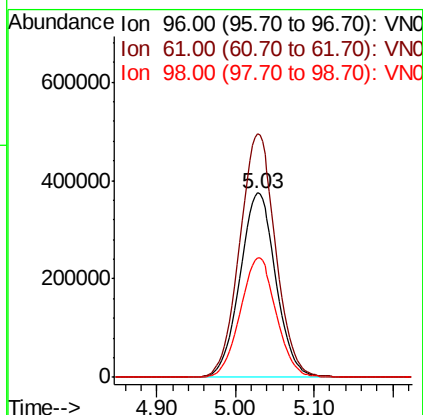
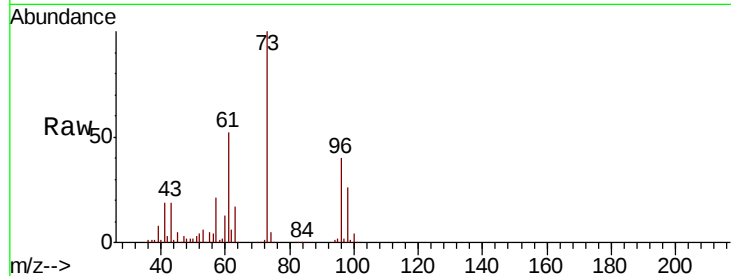




#19
trans-1,2-Dichloroethene
Concen: 148.247 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

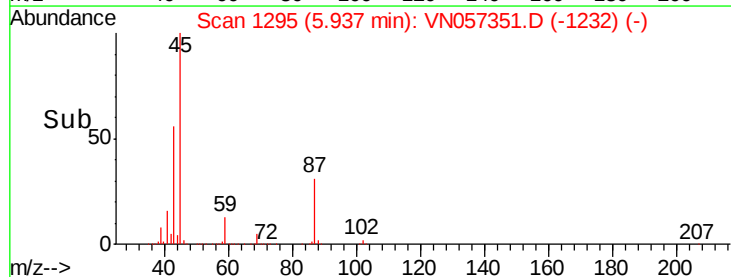
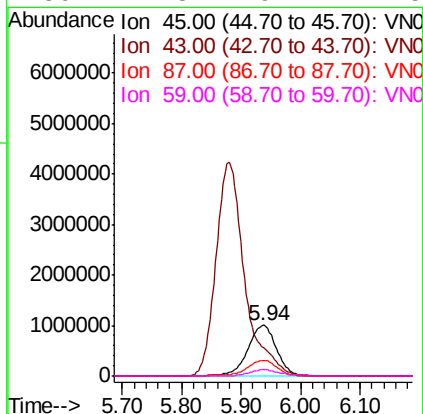
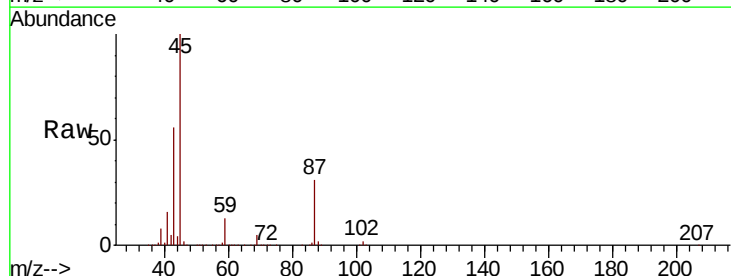
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

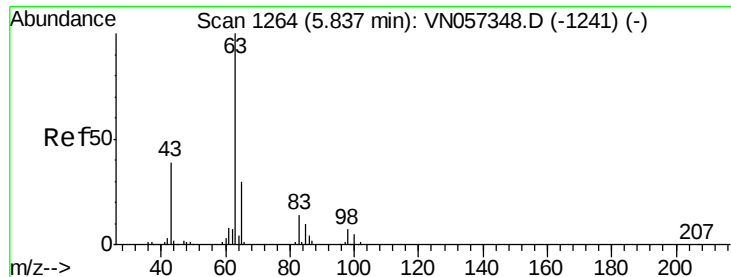
Tgt Ion: 96 Resp: 1205504
Ion Ratio Lower Upper
96 100
61 132.0 109.6 164.4
98 65.0 51.4 77.2



#20
Diisopropyl ether
Concen: 148.562 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

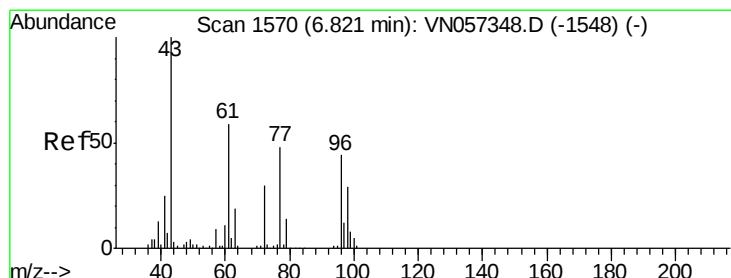
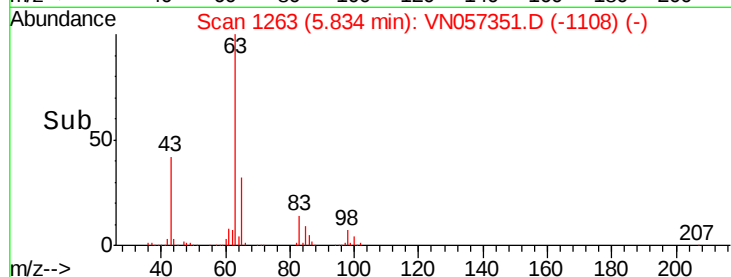
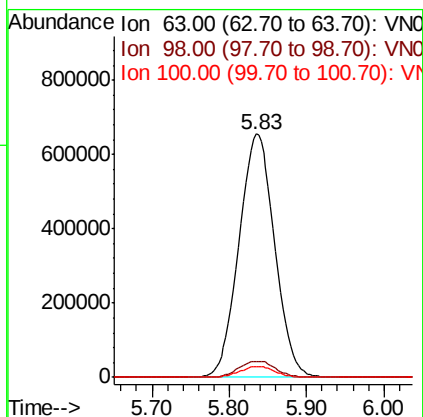
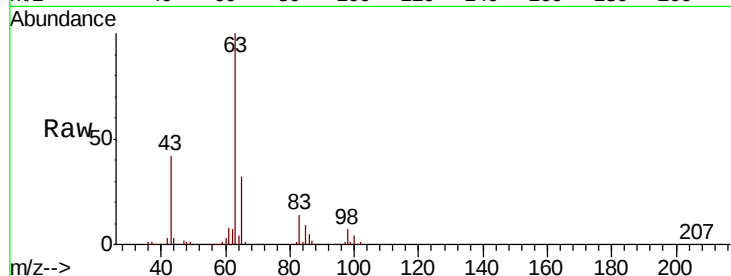




#21
 1,1-Dichloroethane
 Concen: 149.024 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

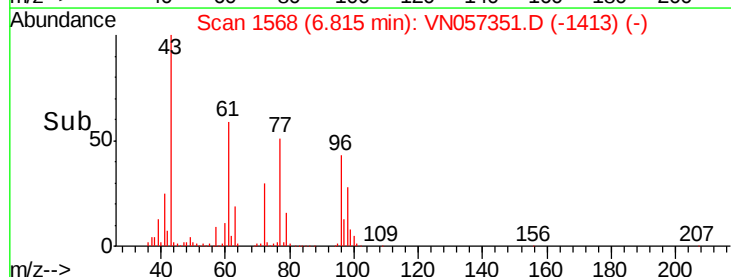
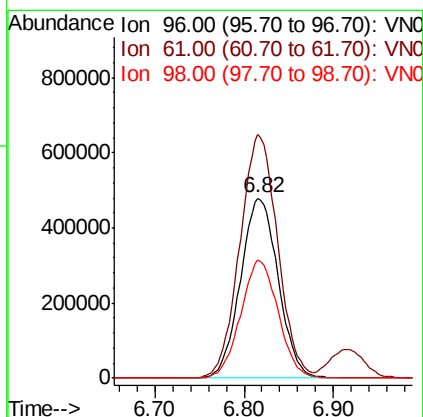
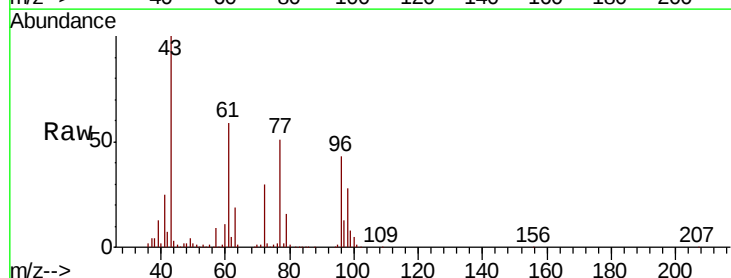
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

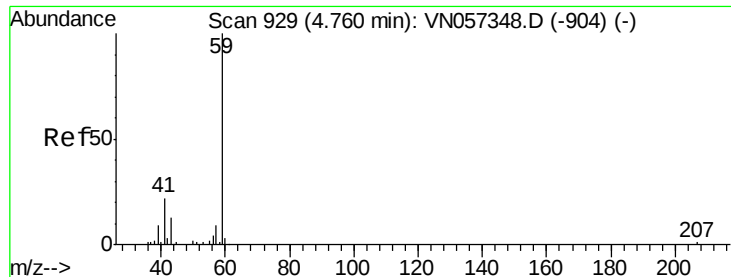
Tgt Ion: 63 Resp: 2103079
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.4 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 149.182 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: 787.804 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 :

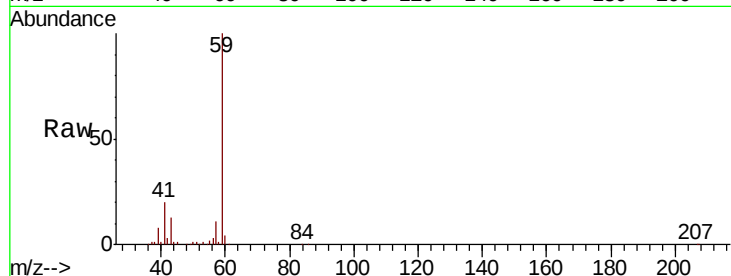
VSTDIC150

Tgt Ion: 59 Resp: 960179

Ion Ratio Lower Upper

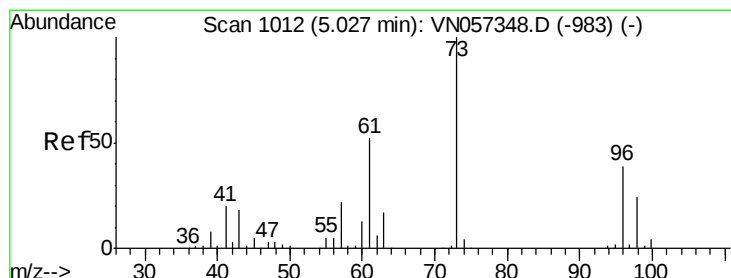
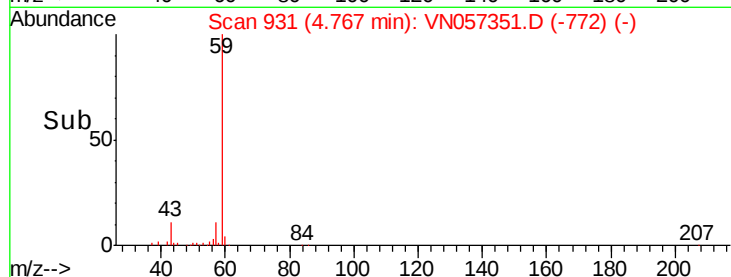
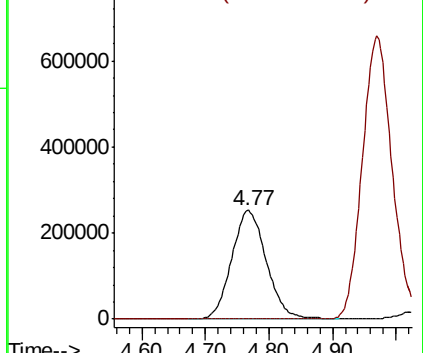
59 100

52 0.1 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 152.401 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN057351.D

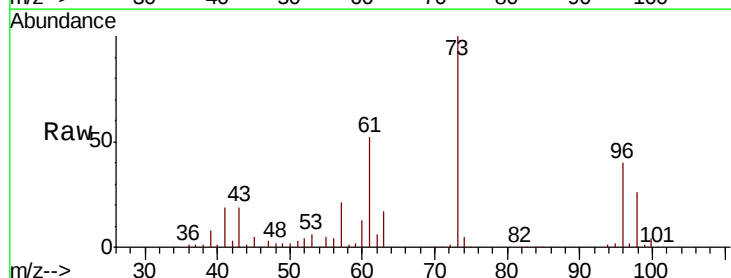
Acq: 16 Aug 2019 13:05

Tgt Ion: 73 Resp: 3512051

Ion Ratio Lower Upper

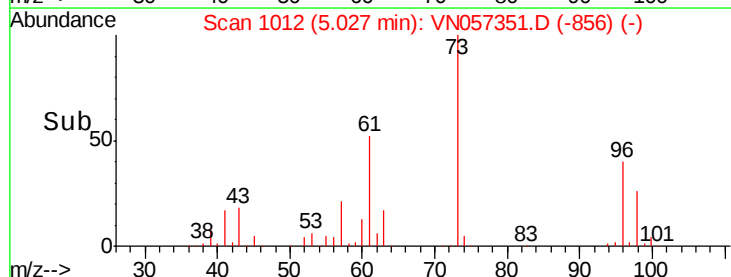
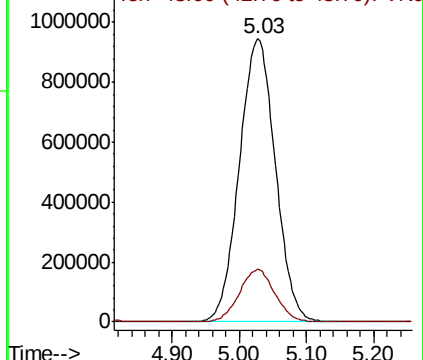
73 100

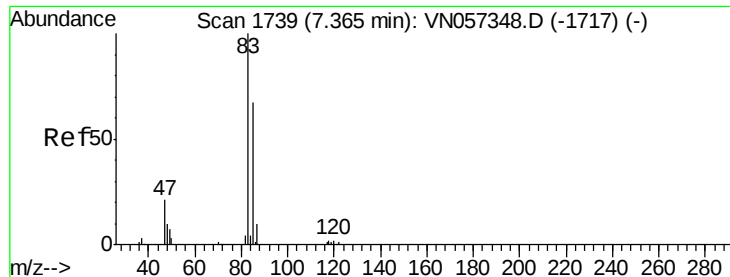
43 18.3 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

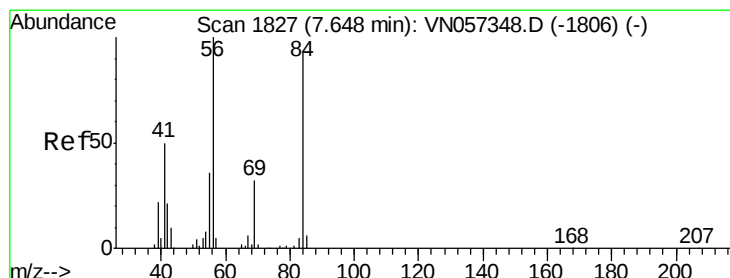
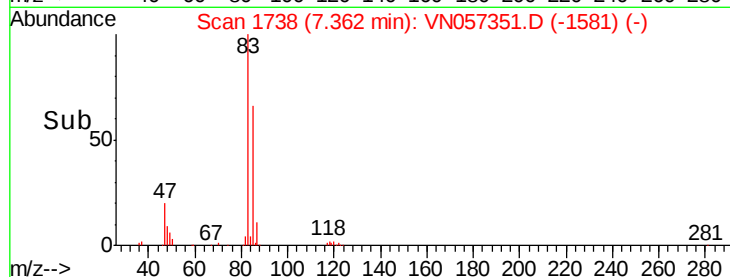
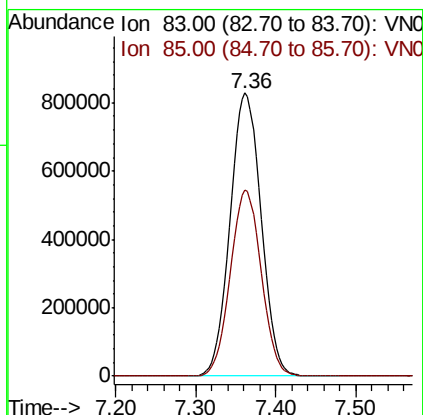
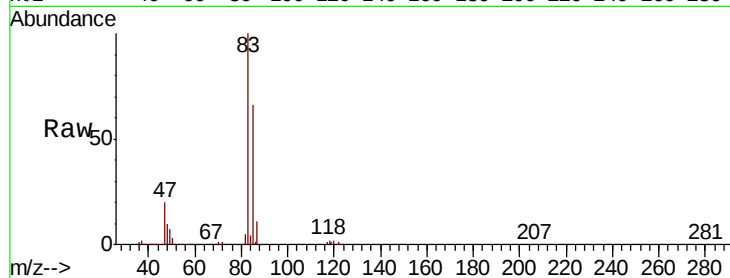




#25
Chloroform
Concen: 147.960 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

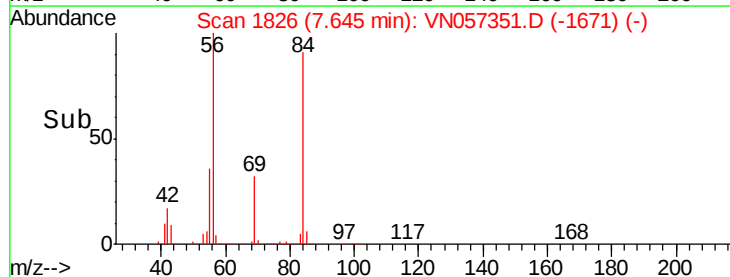
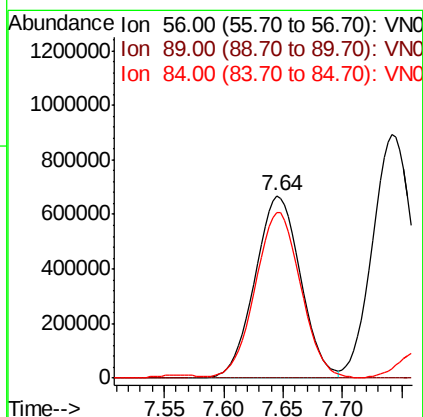
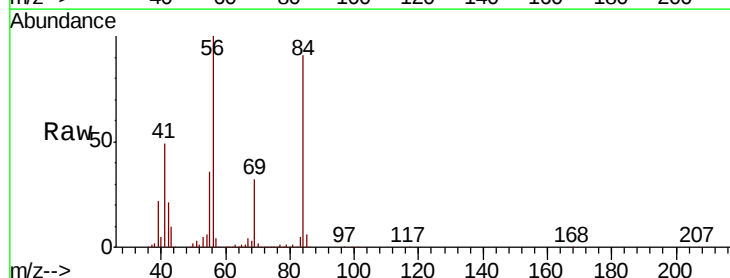
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

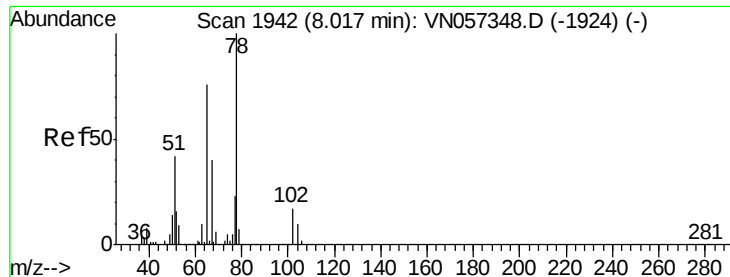
Tgt Ion: 83 Resp: 2182442
Ion Ratio Lower Upper
83 100
85 65.7 52.6 79.0



#26
Cyclohexane
Concen: 151.106 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: 29.657 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 :

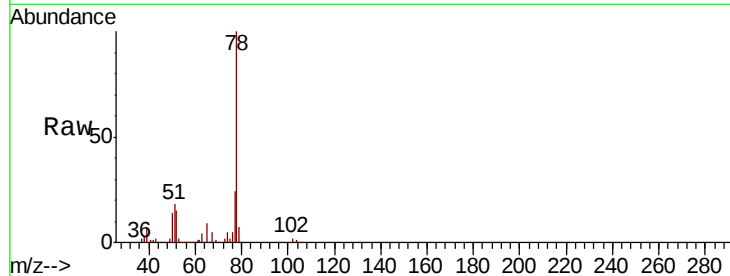
VSTDIC150

Tgt 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

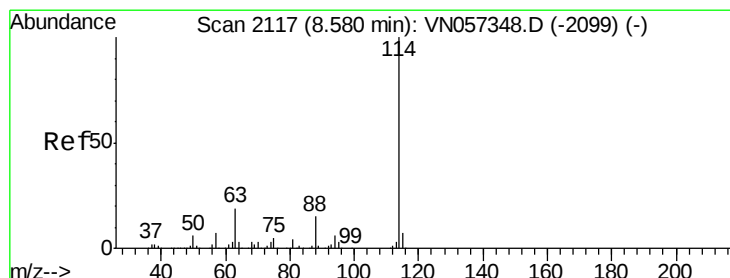
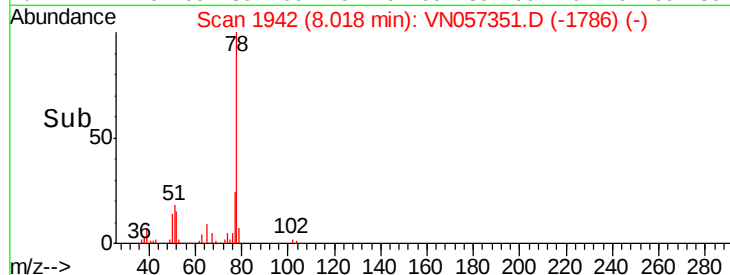
40000

20000

0

7.95 8.00 8.05 8.10

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

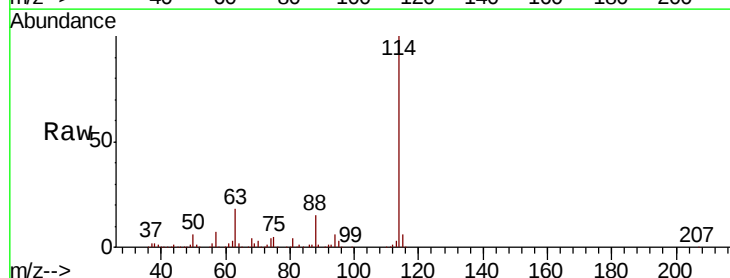
114 100

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

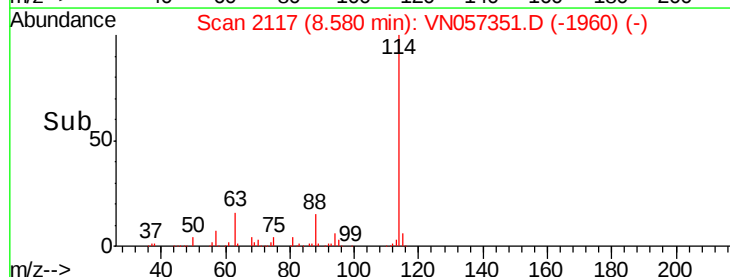
200000

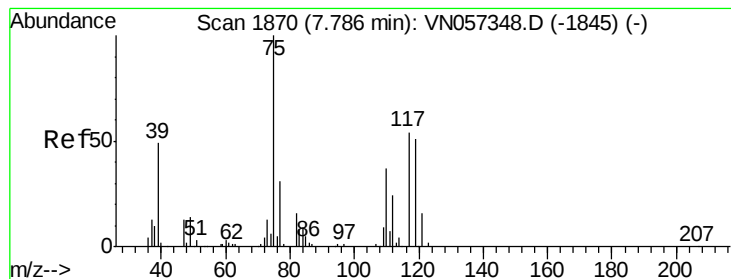
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 150.493 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

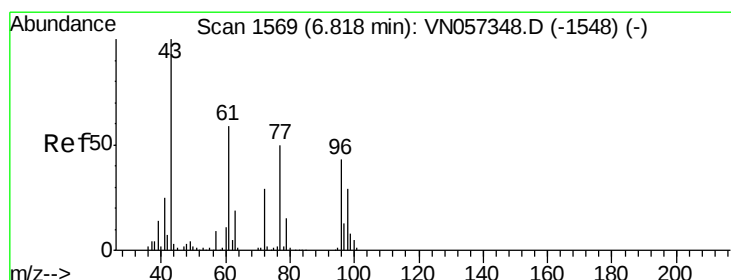
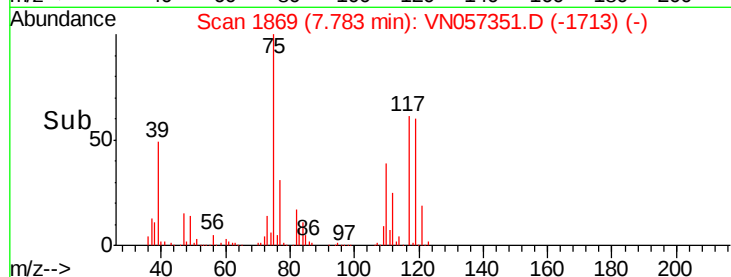
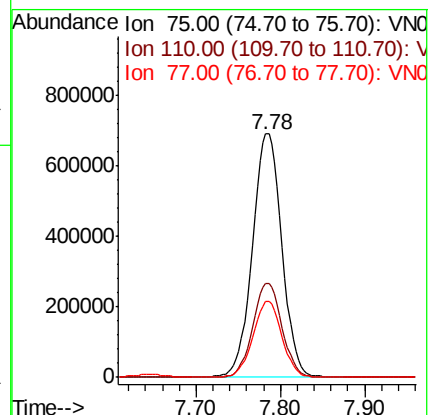
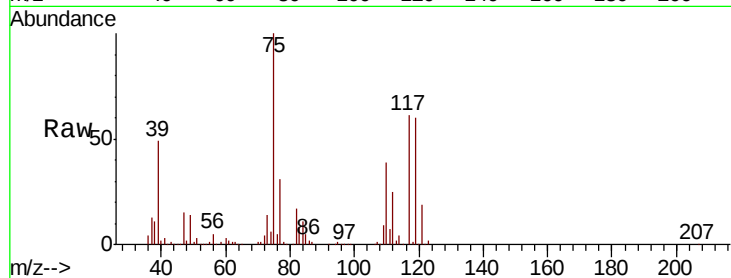
Tgt Ion: 75 Resp: 1670604

Ion Ratio Lower Upper

75 100

110 38.2 0.0 72.4

77 30.8 0.0 62.2



#30

2-Butanone

Concen: 751.124 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

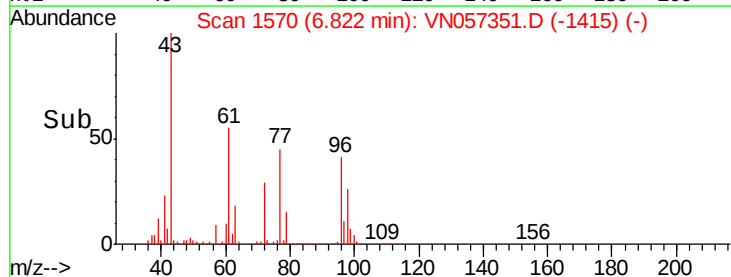
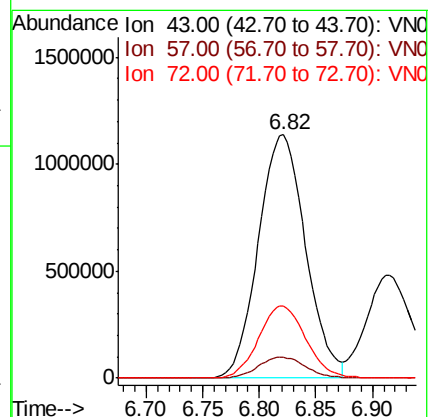
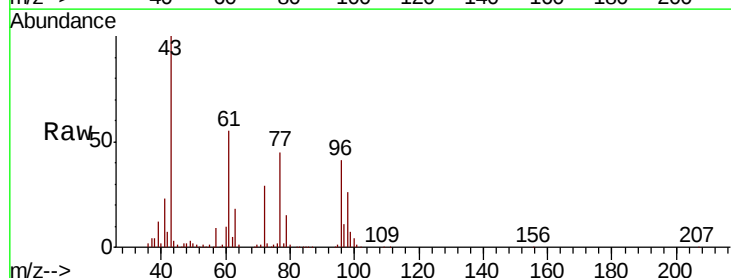
Tgt Ion: 43 Resp: 3289742

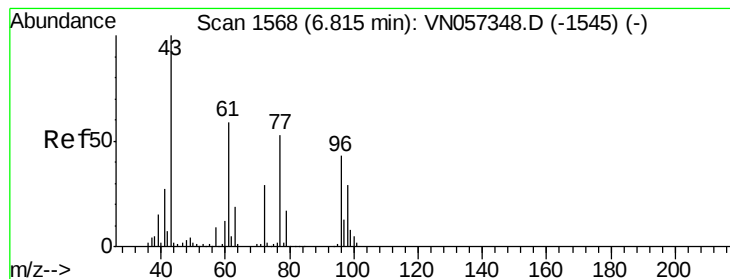
Ion Ratio Lower Upper

43 100

57 8.7 6.6 10.0

72 29.8 21.3 31.9





#31

2,2-Dichloropropane

Concen: 147.609 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

ClientSampleId :

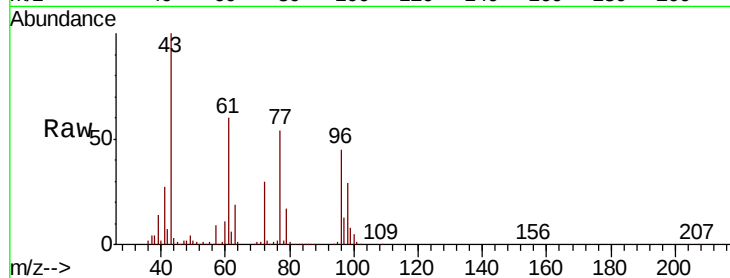
VSTDIC150

Tgt Ion: 77 Resp: 1795019

Ion Ratio Lower Upper

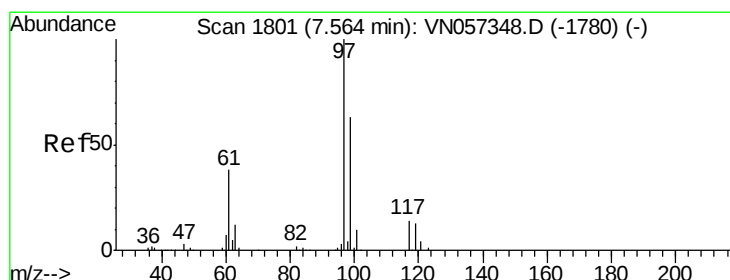
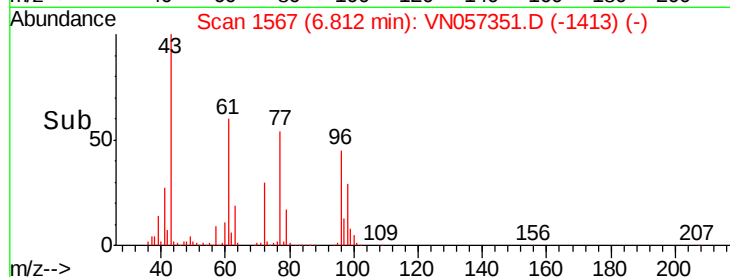
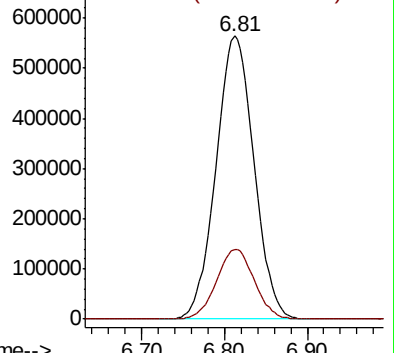
77 100

97 24.6 19.7 29.5



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 150.711 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

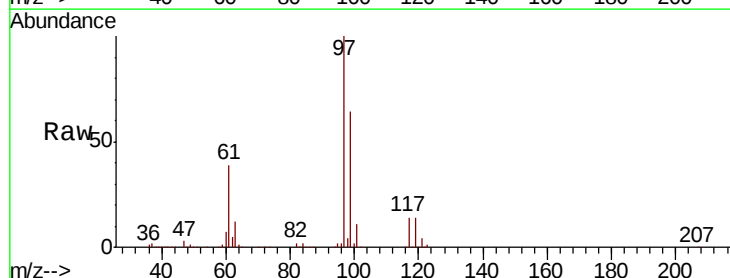
Tgt Ion: 97 Resp: 1977824

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

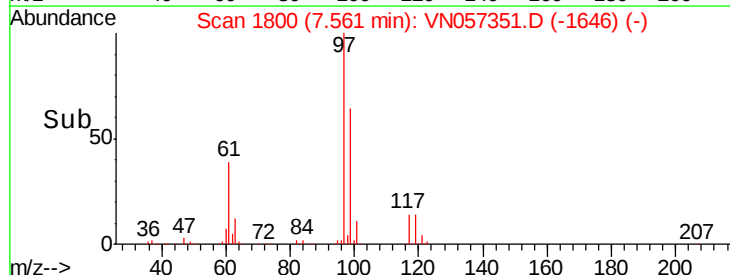
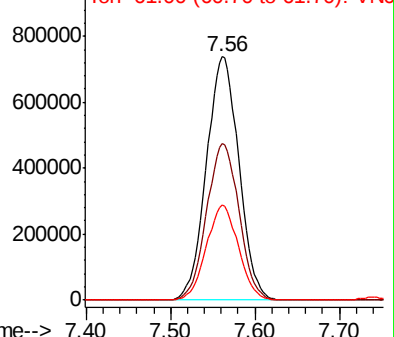
61 38.7 34.4 51.6

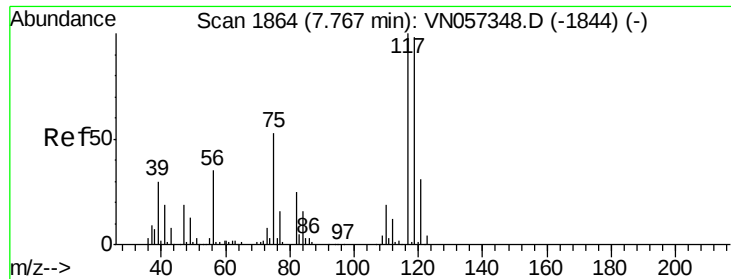


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

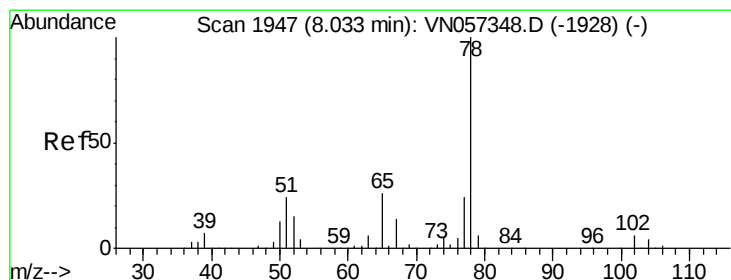
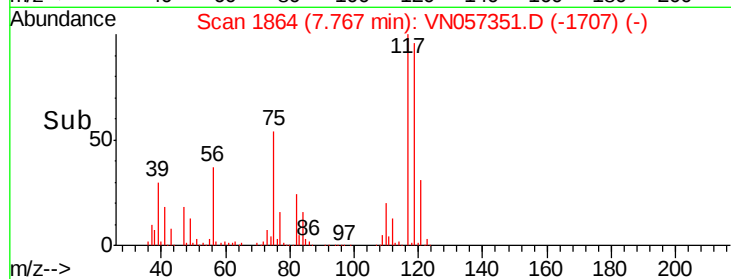
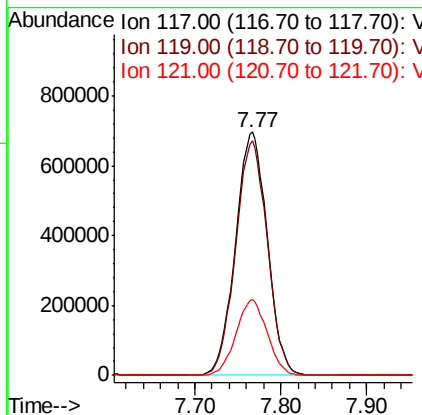
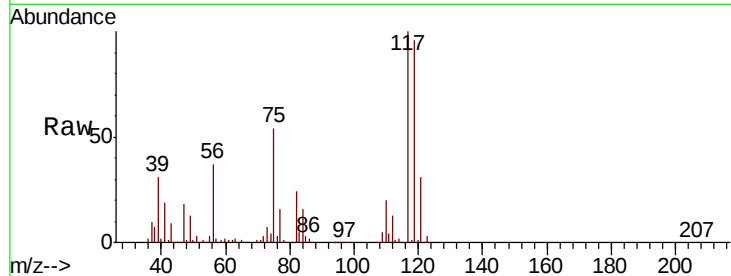




#33
Carbon Tetrachloride
Concen: 152.761 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

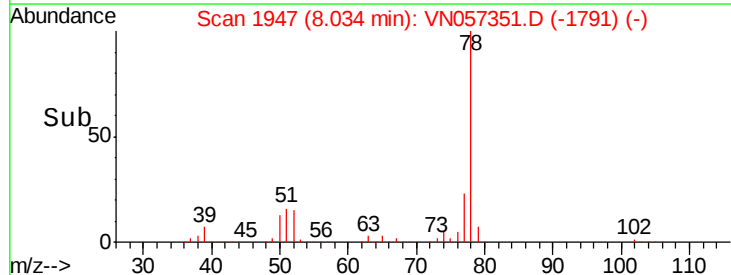
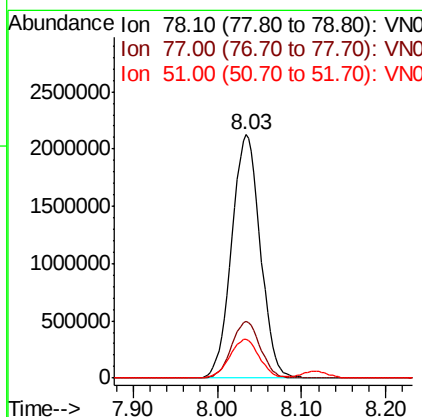
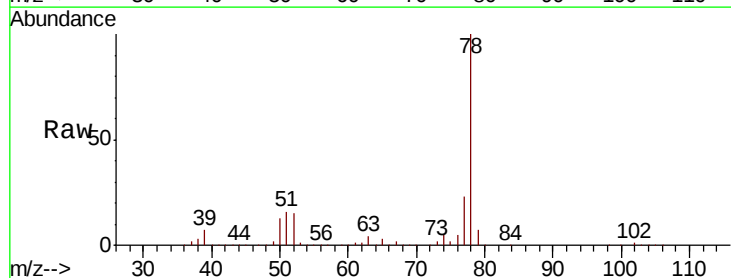
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

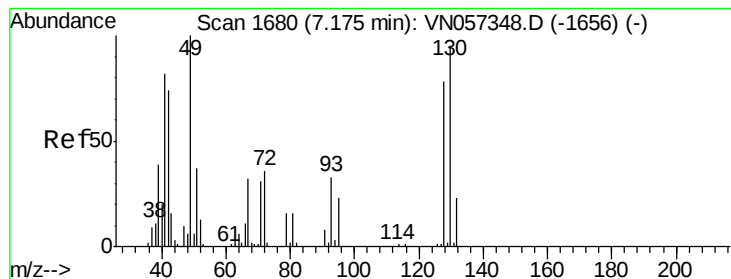
Tgt Ion:117 Resp: 1785087
Ion Ratio Lower Upper
117 100
119 96.2 78.7 118.1
121 31.1 24.0 36.0



#34
Benzene
Concen: 149.398 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: 323.065 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 1900770

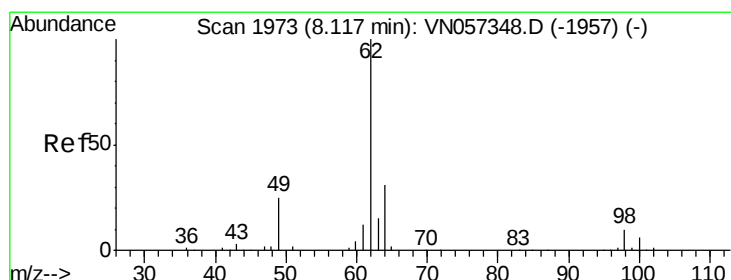
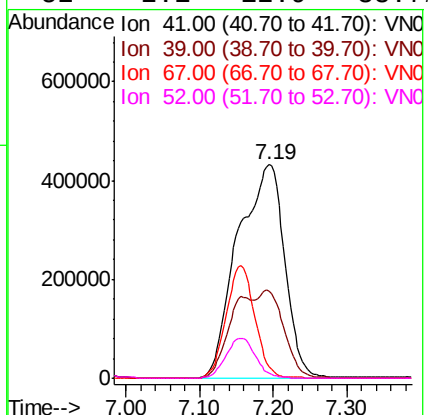
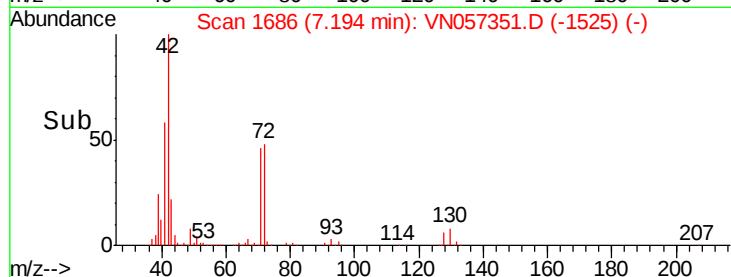
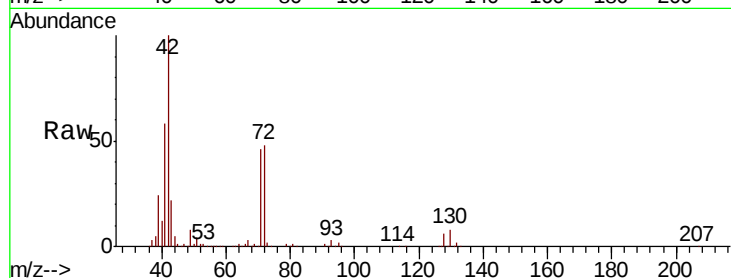
Ion Ratio Lower Upper

41 100

39 40.7 25.4 76.2

67 5.5 33.6 100.8#

52 2.1 12.9 38.7#



#36

1,2-Dichloroethane

Concen: 148.179 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057351.D

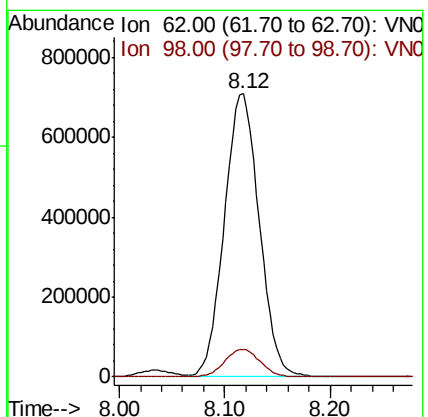
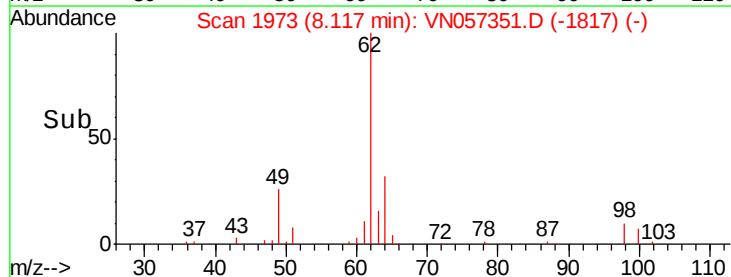
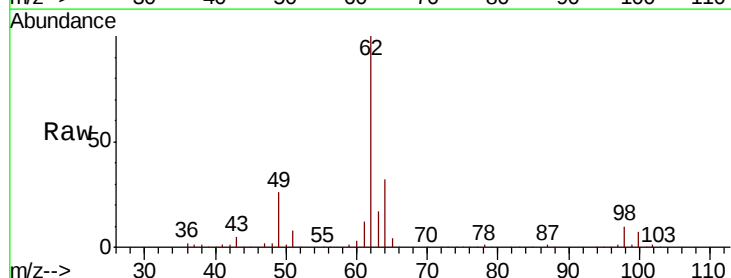
Acq: 16 Aug 2019 13:05

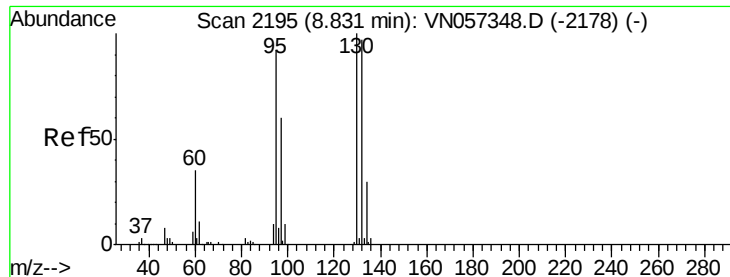
Tgt Ion: 62 Resp: 1621767

Ion Ratio Lower Upper

62 100

98 9.9 7.7 11.5

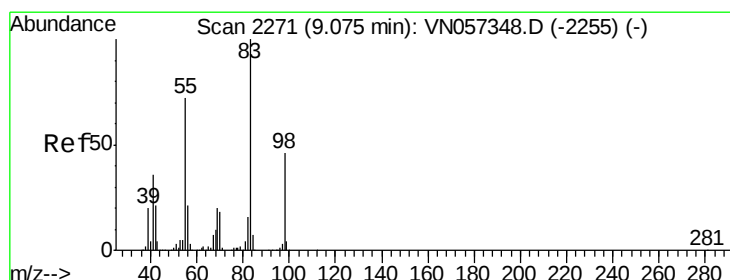
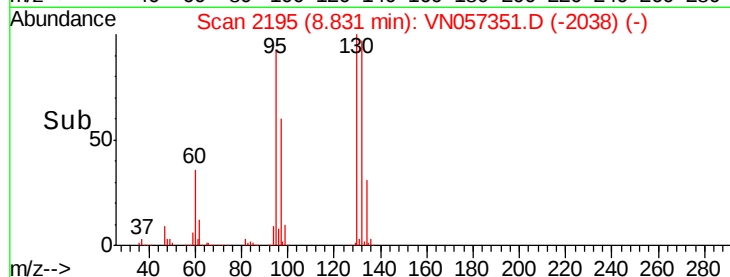
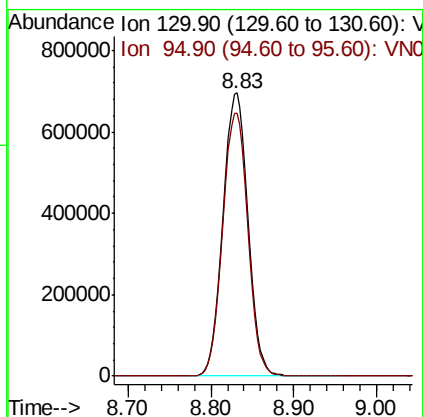
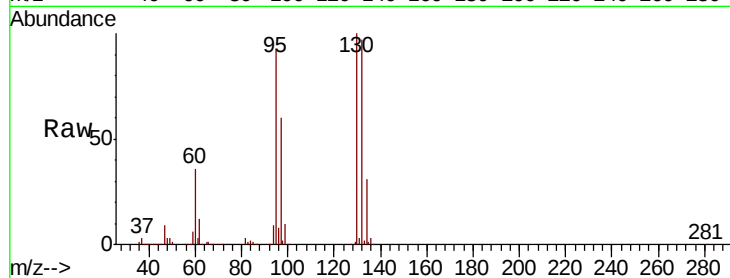




#37
 Trichloroethene
 Concen: 148.849 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

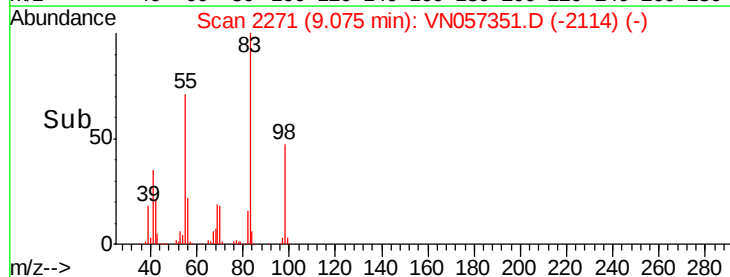
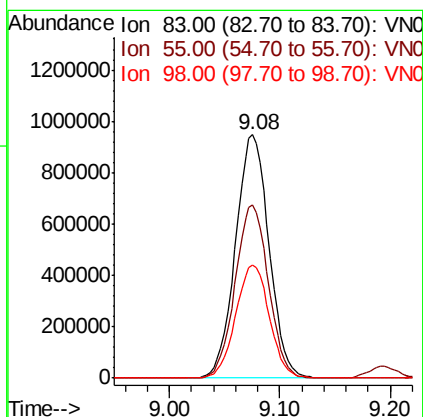
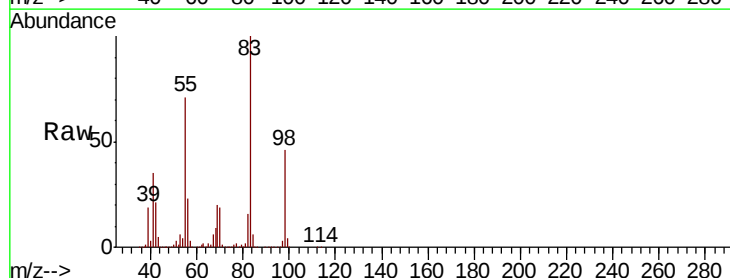
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

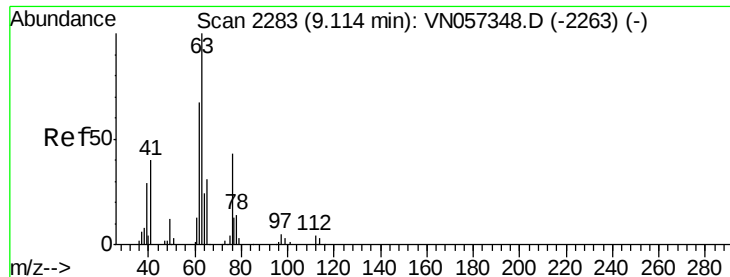
Tgt Ion:130 Resp: 1459143
 Ion Ratio Lower Upper
 130 100
 95 92.8 78.4 117.6



#38
 Methylcyclohexane
 Concen: 151.079 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

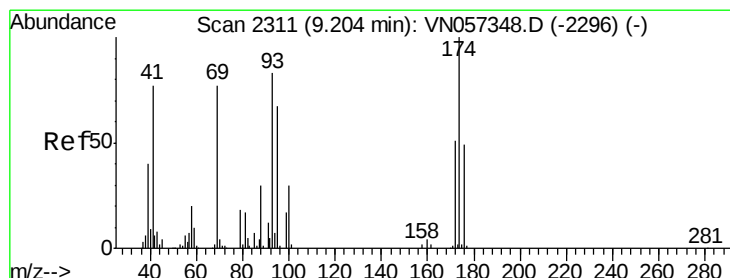
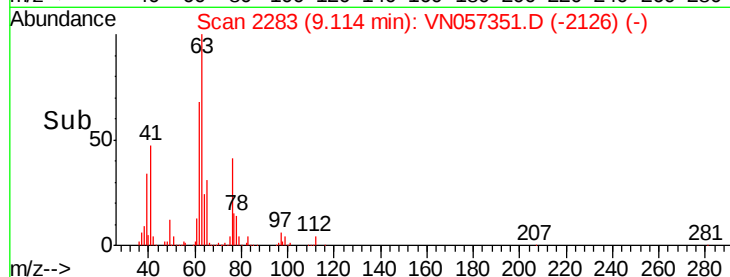
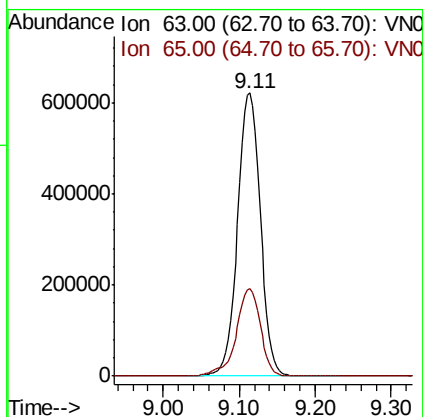
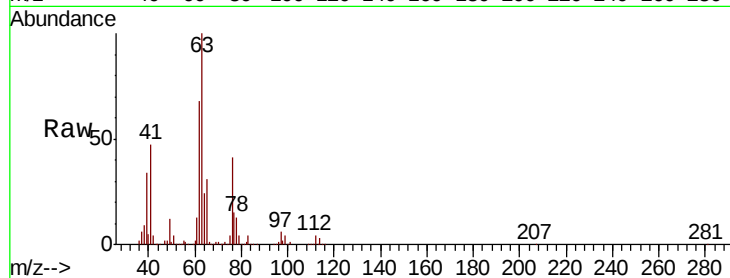




#39
 1,2-Dichloropropane
 Concen: 149.761 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

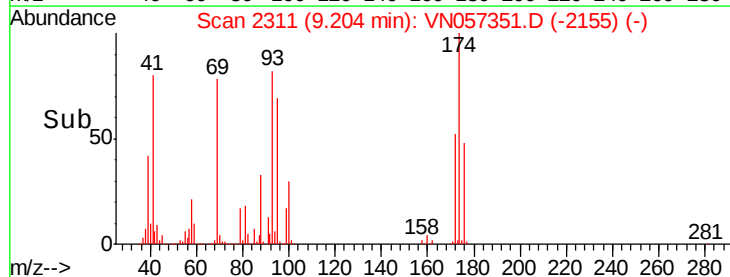
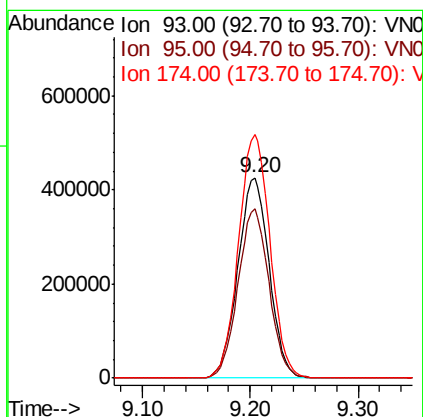
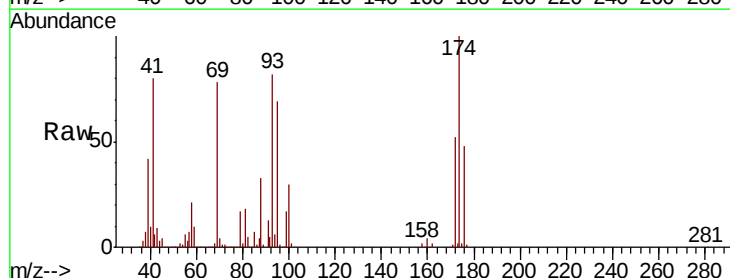
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

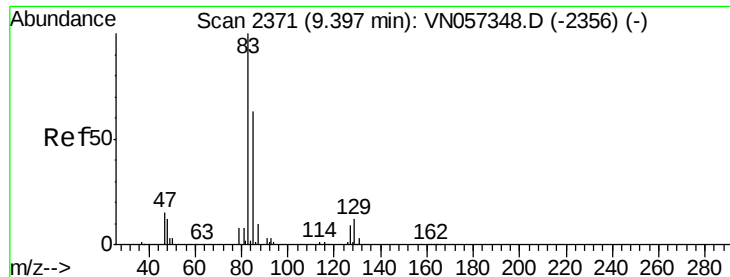
Tgt Ion: 63 Resp: 1289053
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#40
 Dibromomethane
 Concen: 150.281 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: 153.692 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

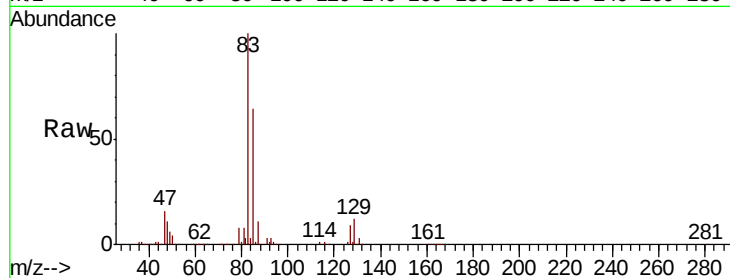
Tgt Ion: 83 Resp: 1783233

Ion Ratio Lower Upper

83 100

85 64.3 50.1 75.1

127 9.3 7.0 10.4

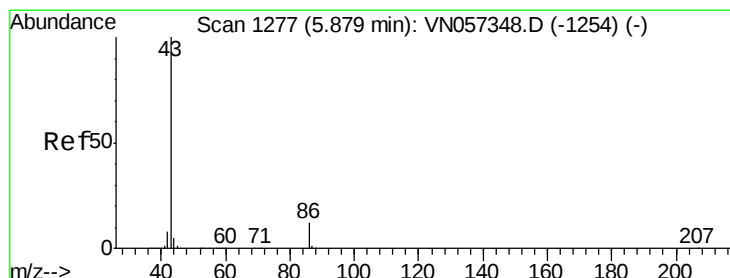
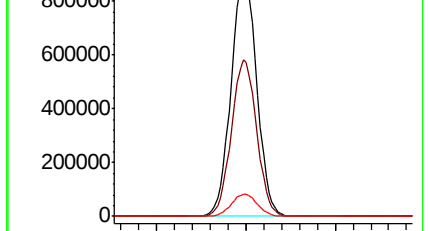
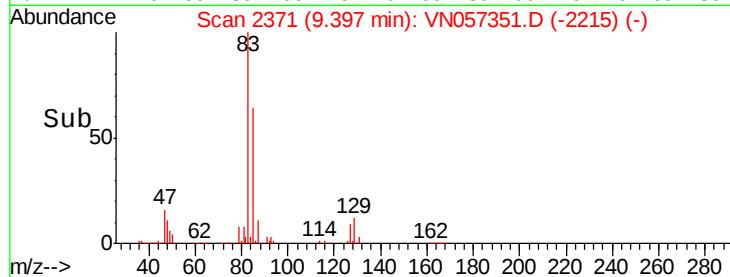


Abundance Ion 83.00 (82.70 to 83.70): VN057348.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN057348.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN057348.D (-2356) (-)

Time-->



#42

Vinyl Acetate

Concen: 768.138 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057351.D

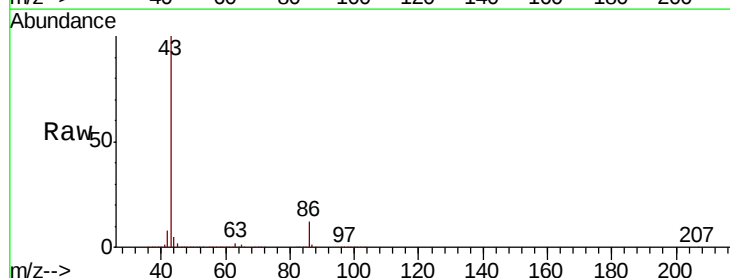
Acq: 16 Aug 2019 13:05

Tgt Ion: 43 Resp: 14155856

Ion Ratio Lower Upper

43 100

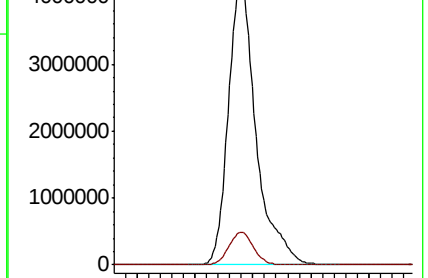
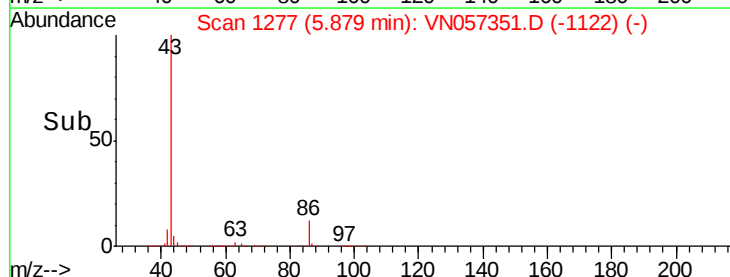
86 10.4 7.4 11.2

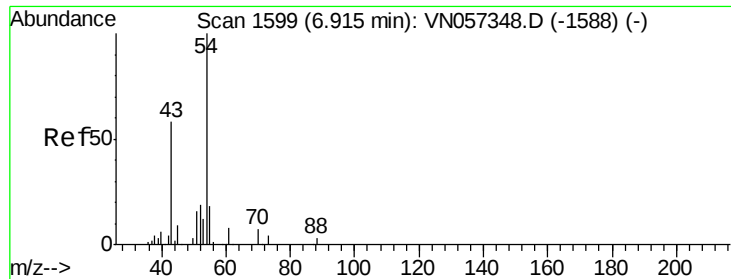


Abundance Ion 43.00 (42.70 to 43.70): VN057348.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN057348.D (-1254) (-)

Time-->





#43

Ethyl Acetate

Concen: 151.134 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 :

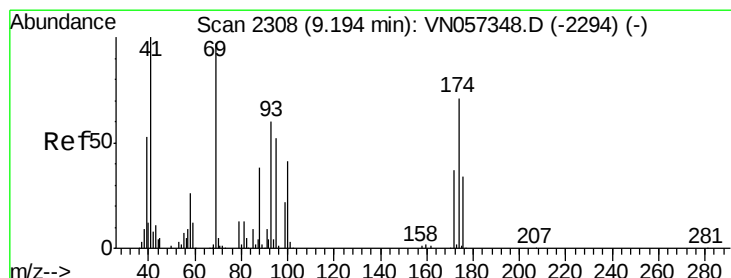
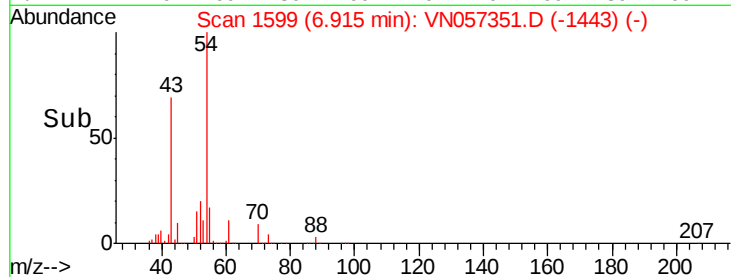
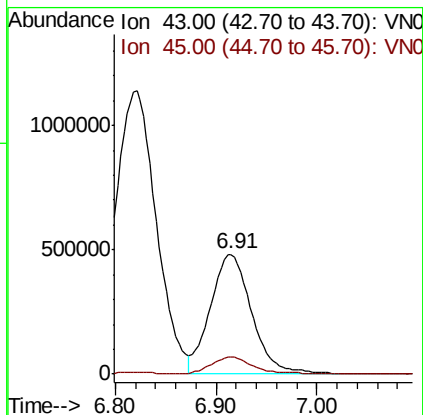
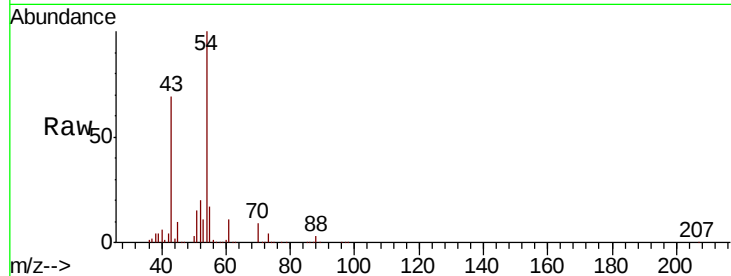
VSTDIC150

Tgt Ion: 43 Resp: 1358092

Ion Ratio Lower Upper

43 100

45 15.0 11.2 16.8



#45

1,4-Dioxane

Concen: 3076.852 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

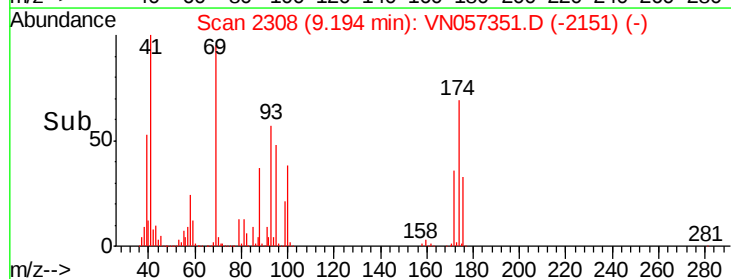
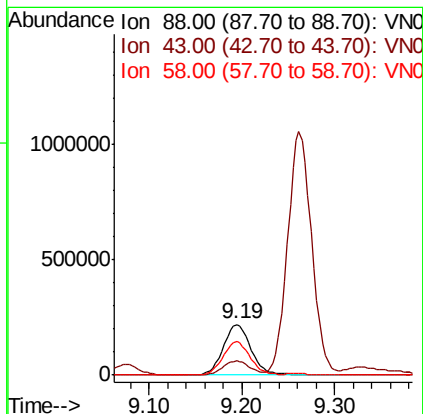
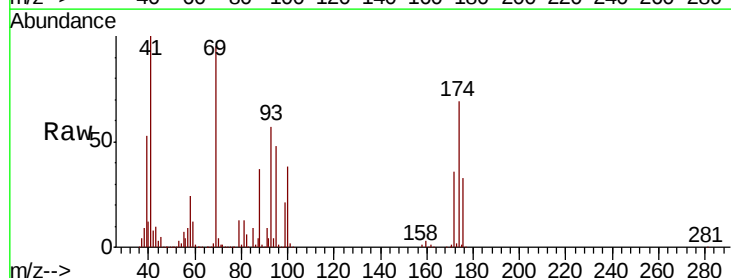
Tgt Ion: 88 Resp: 458634

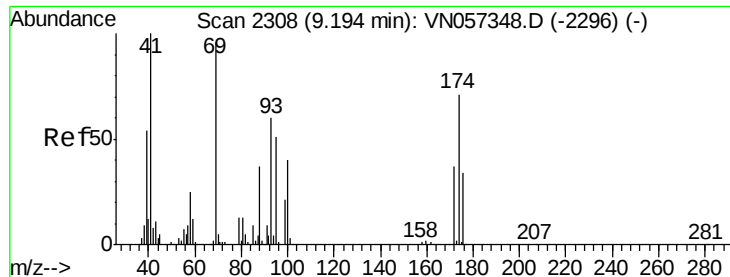
Ion Ratio Lower Upper

88 100

43 26.8 23.0 34.6

58 64.5 54.6 81.8

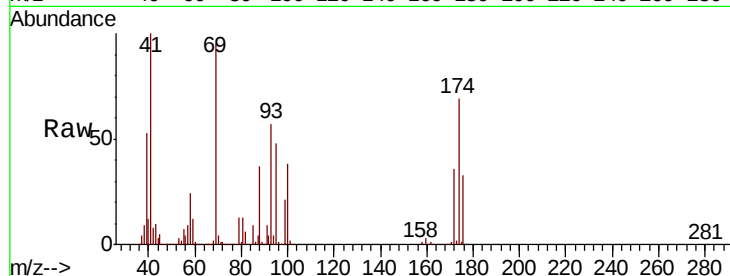




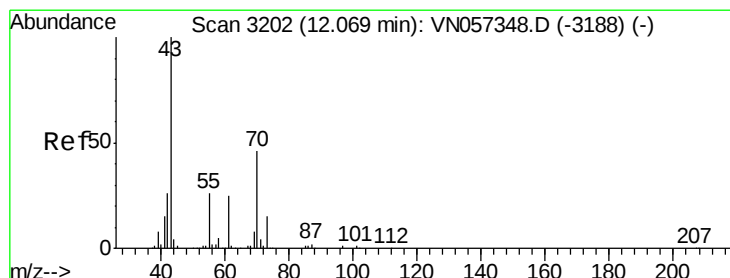
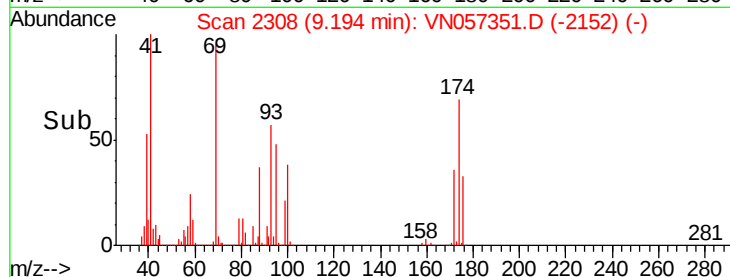
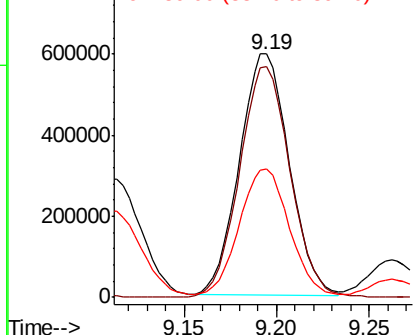
#46
Methyl methacrylate
Concen: 156.962 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

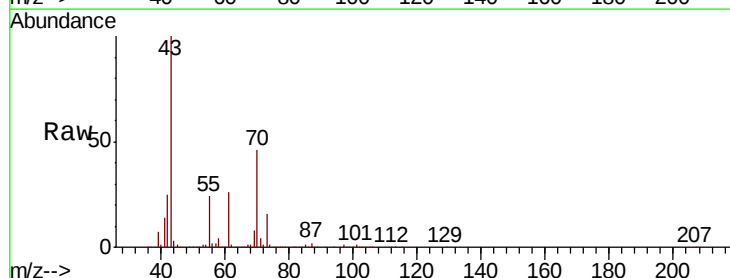


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

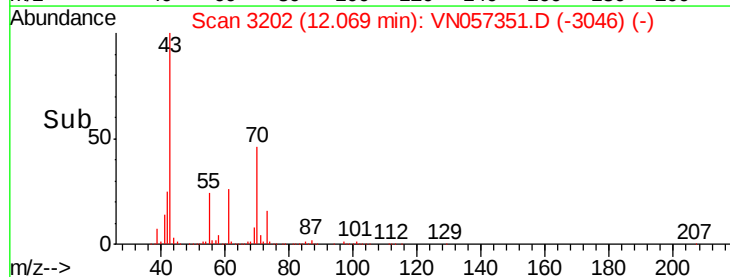
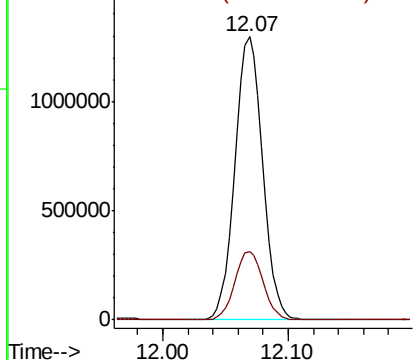


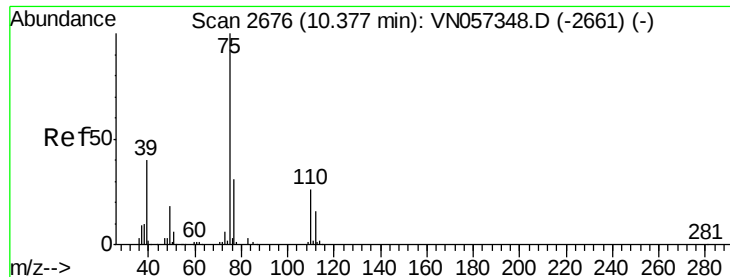
#47
n-amyl Acetate
Concen: 169.974 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt 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: 158.681 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

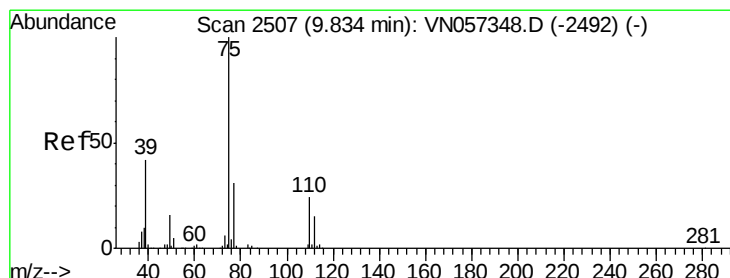
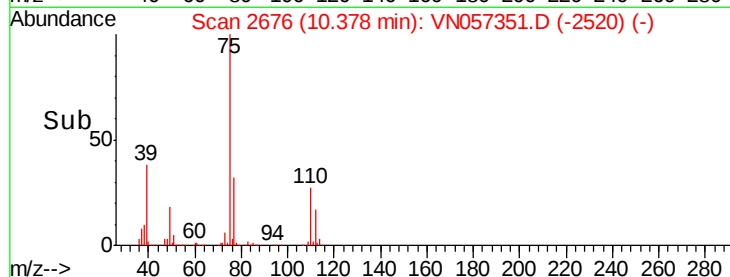
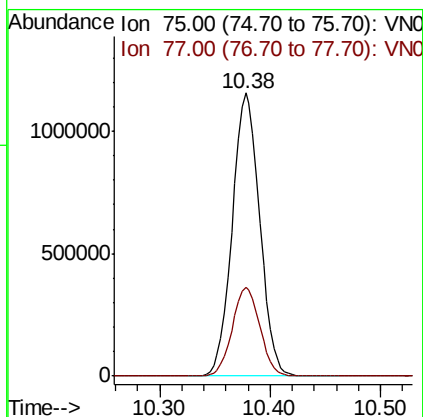
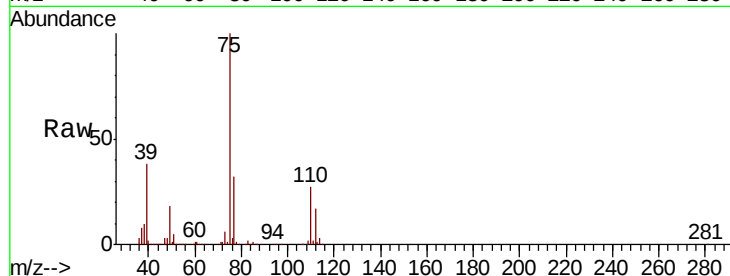
VSTDIC150

Tgt Ion: 75 Resp: 1991854

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#49

cis-1,3-Dichloropropene

Concen: 155.115 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

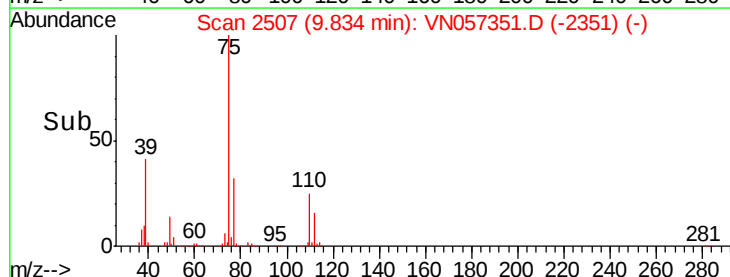
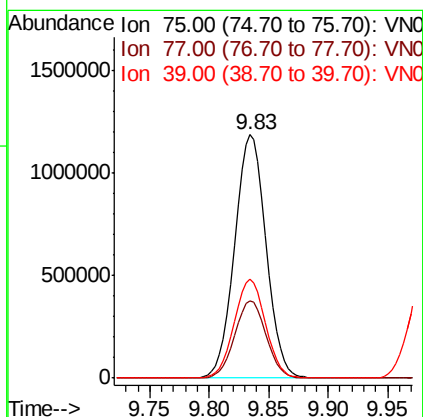
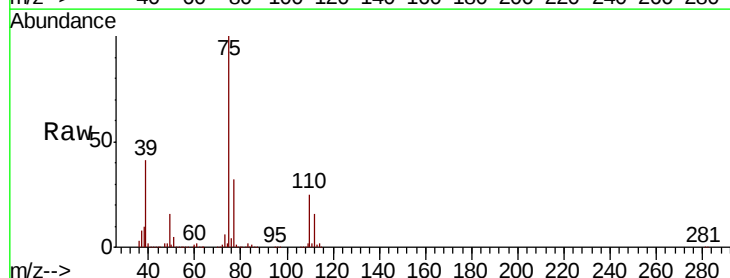
Tgt Ion: 75 Resp: 2167833

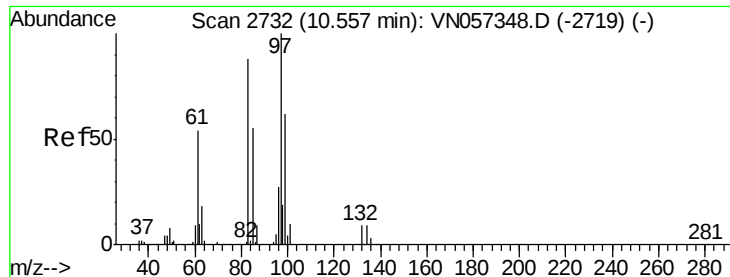
Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0

39 40.6 36.2 54.4

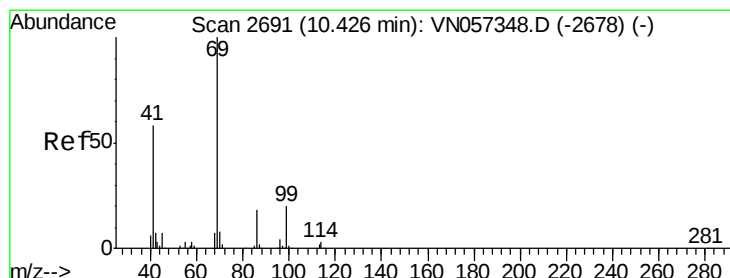
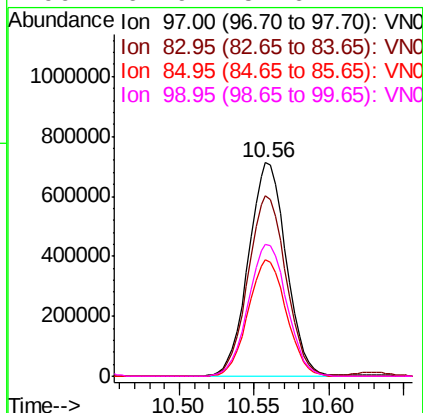
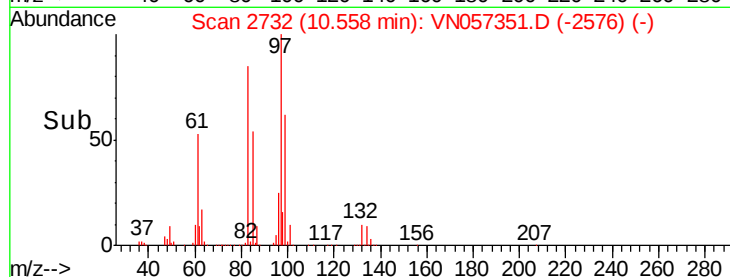
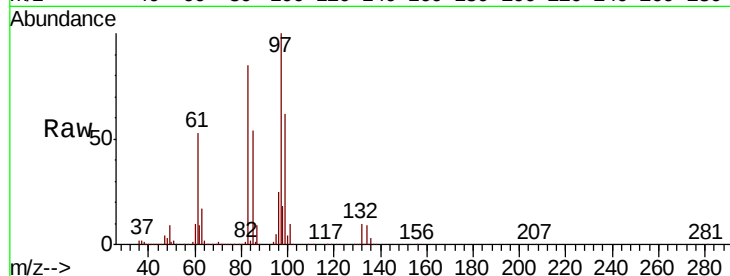




#50
 1,1,2-Trichloroethane
 Concen: 149.762 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

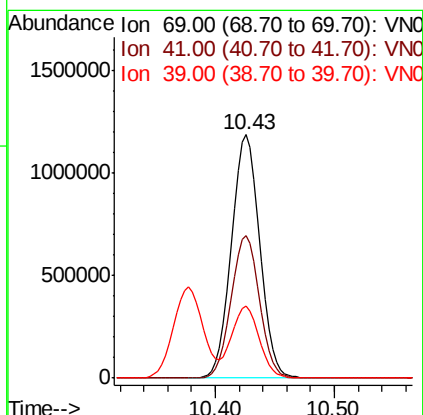
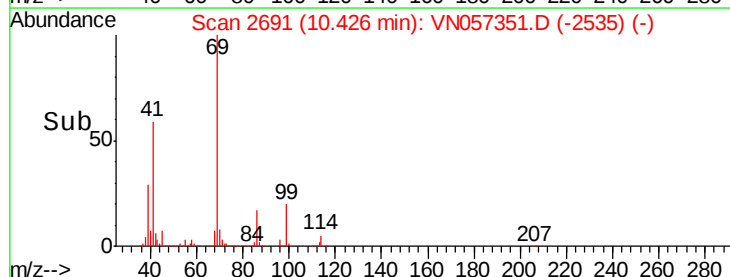
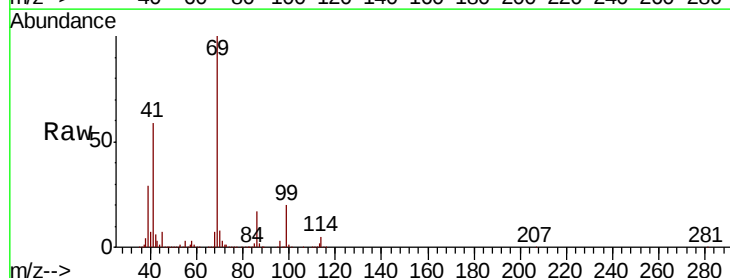
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

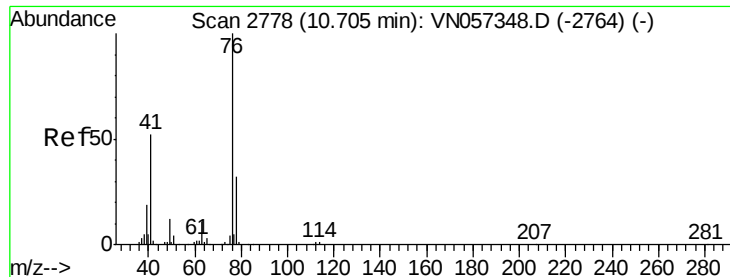
Tgt Ion:	97	Resp:	1251521
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	54.3	45.3	67.9
99	61.9	51.6	77.4



#51
 Ethyl methacrylate
 Concen: 161.690 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion:	69	Resp:	1958744
Ion	Ratio	Lower	Upper
69	100		
41	58.6	32.8	98.3
39	29.3	15.4	46.2





#52

1,3-Dichloropropane

Concen: 151.361 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

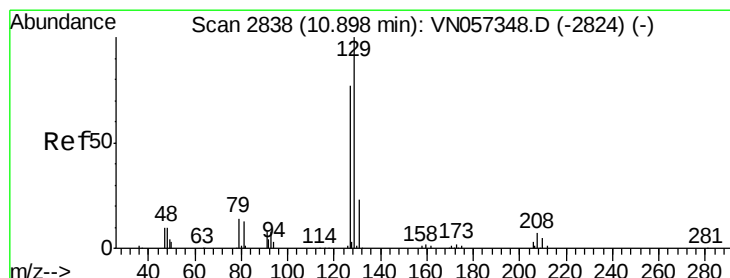
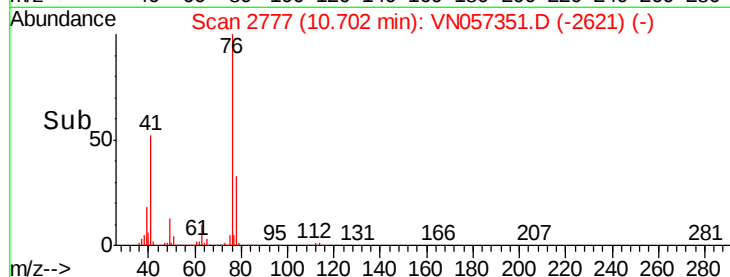
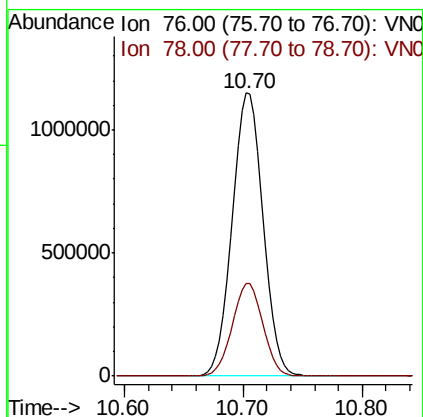
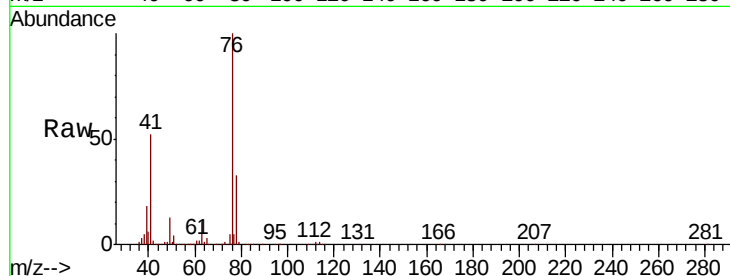
VSTDIC150

Tgt Ion: 76 Resp: 2065760

Ion Ratio Lower Upper

76 100

78 32.5 0.0 63.6



#53

Dibromochloromethane

Concen: 157.547 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057351.D

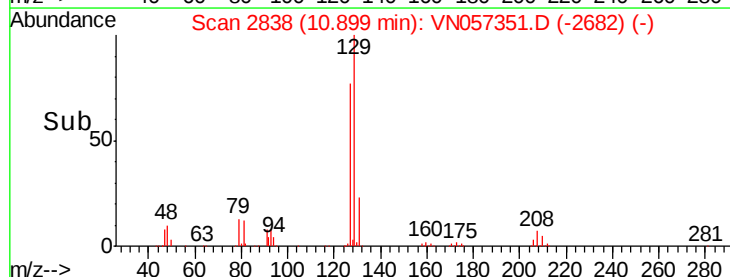
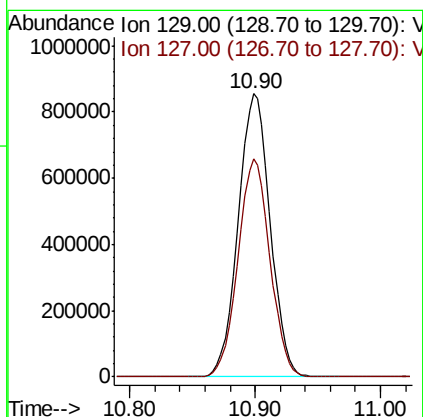
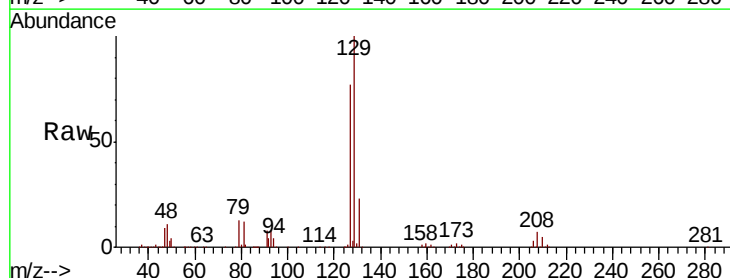
Acq: 16 Aug 2019 13:05

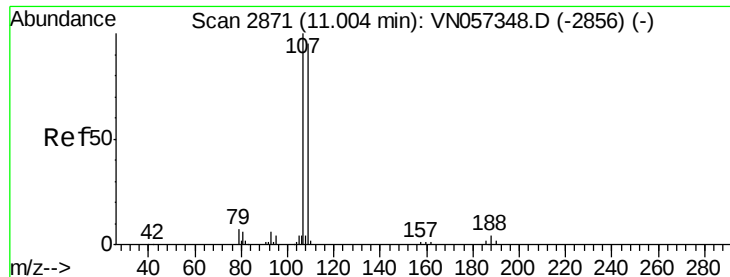
Tgt Ion: 129 Resp: 1514715

Ion Ratio Lower Upper

129 100

127 76.8 38.7 116.1

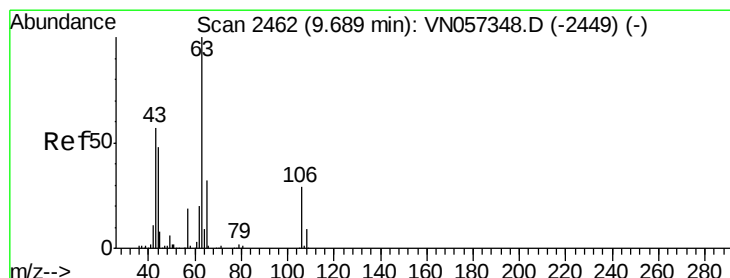
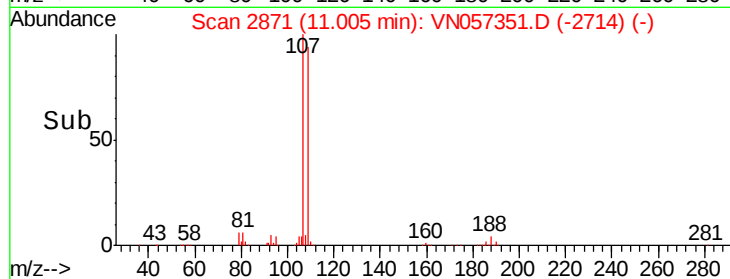
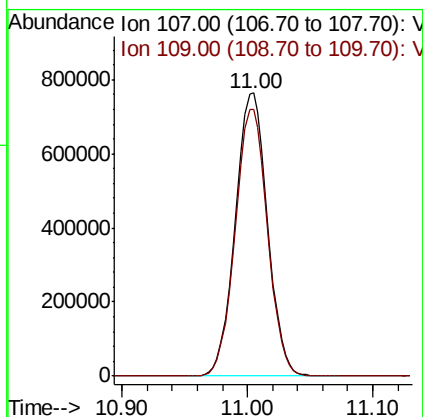
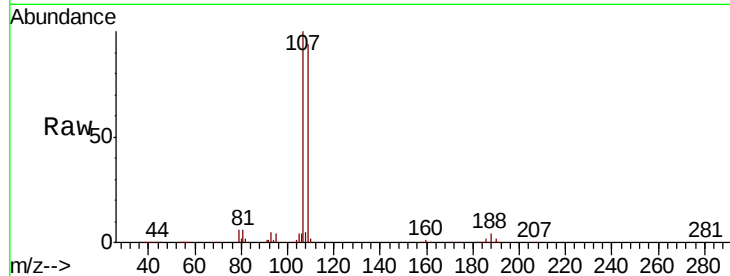




#54
 1,2-Dibromoethane
 Concen: 154.719 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

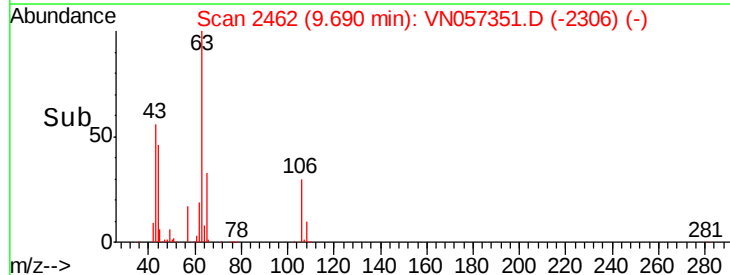
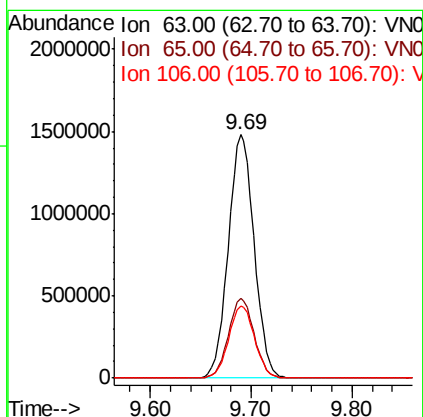
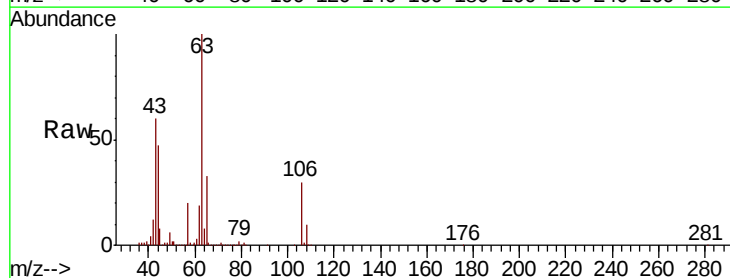
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

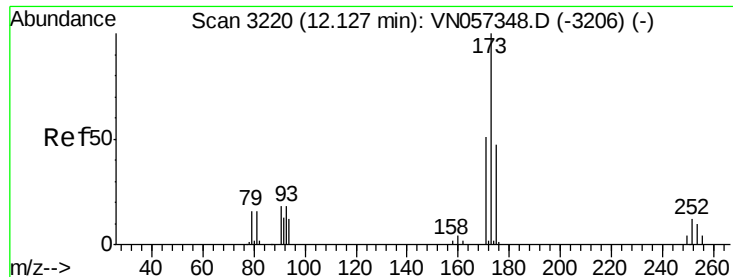
Tgt Ion: 107 Resp: 1361709
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.9 116.9



#55
 2-Chloroethyl vinyl ether
 Concen: 938.270 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion: 63 Resp: 2645885
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.2 37.8
 106 29.8 21.6 32.4





#56

Bromoform

Concen: 166.620 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

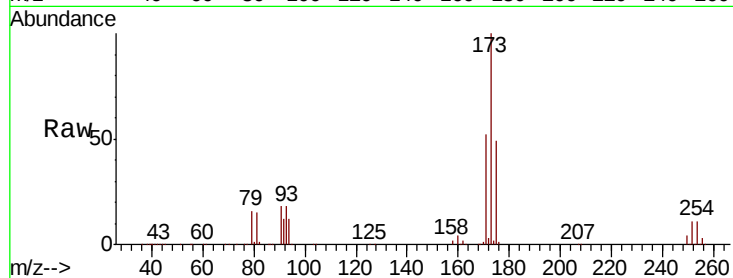
Tgt Ion:173 Resp: 1209648

Ion Ratio Lower Upper

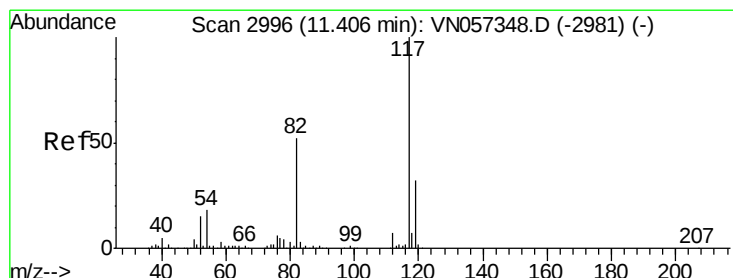
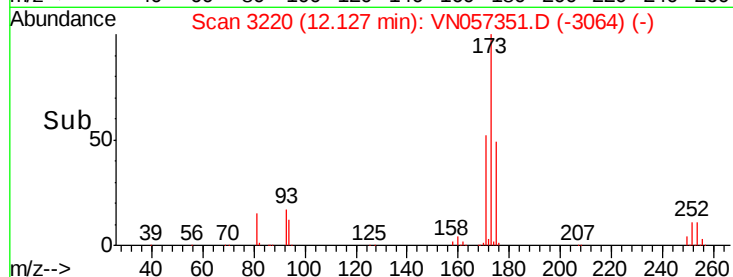
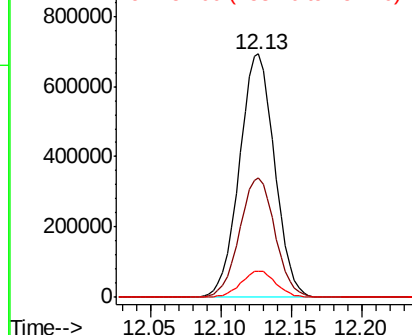
173 100

175 49.4 39.7 59.5

254 10.7 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#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

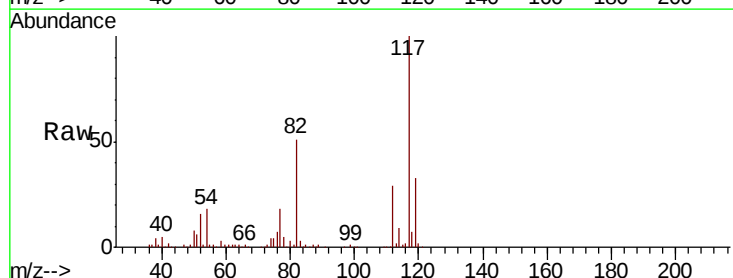
Tgt Ion:117 Resp: 702313

Ion Ratio Lower Upper

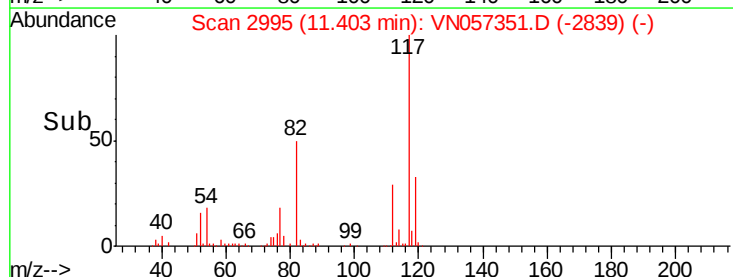
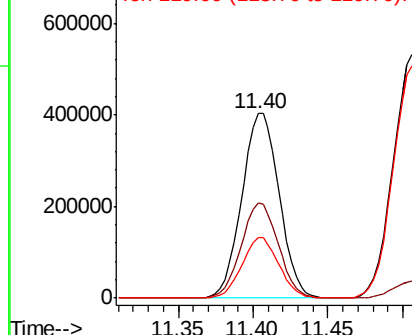
117 100

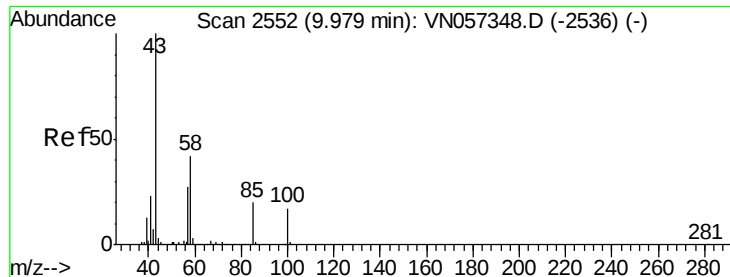
82 51.1 43.0 64.4

119 32.2 26.0 39.0



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

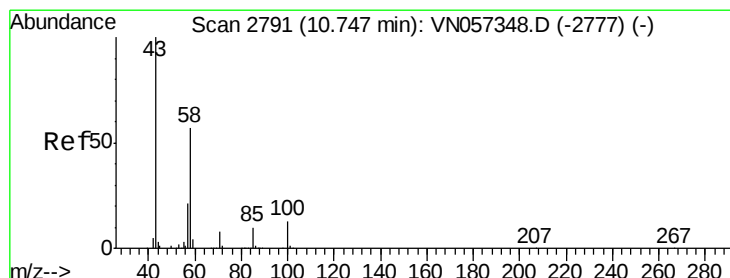
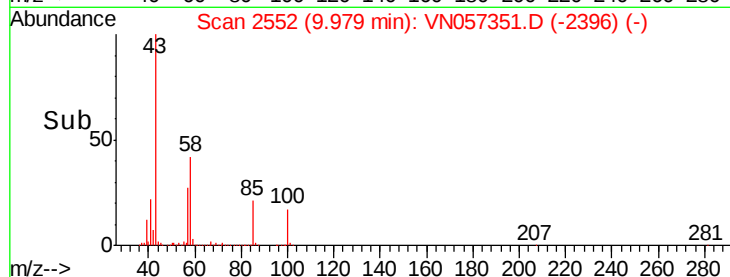
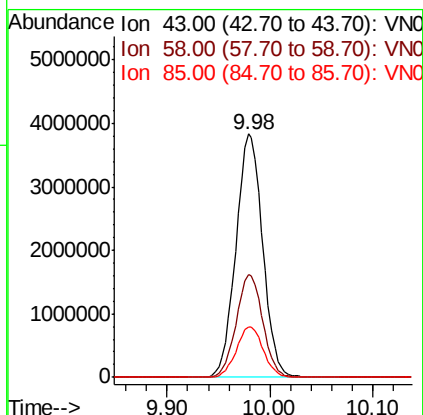
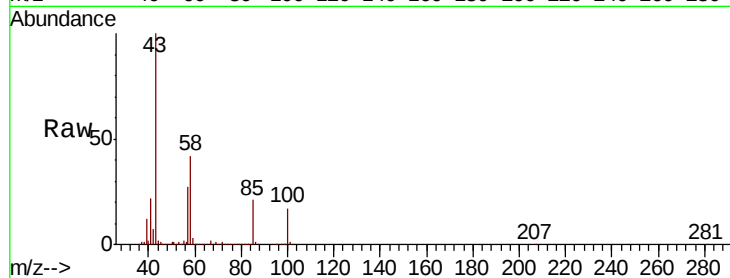




#58
 4-Methyl-2-Pentanone
 Concen: 753.848 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

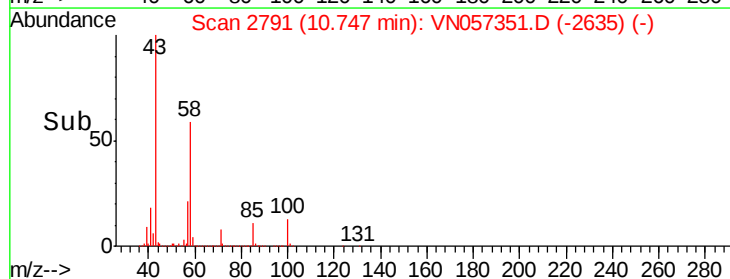
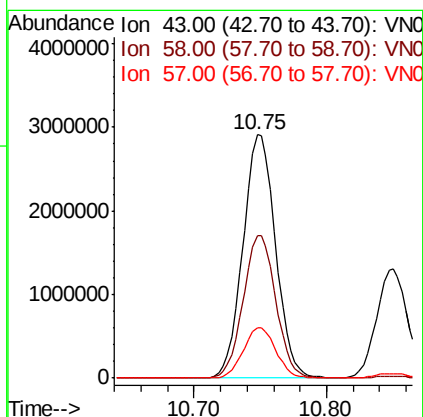
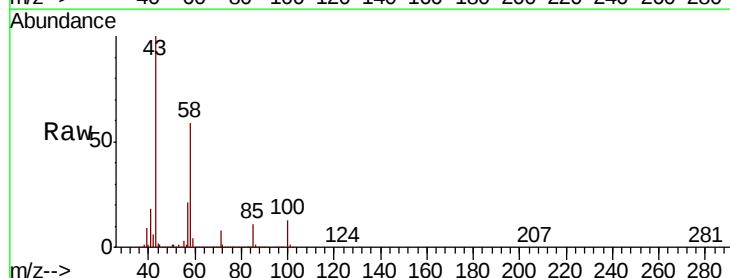
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

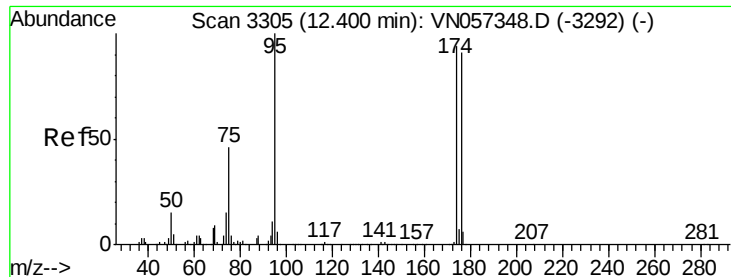
Tgt Ion: 43 Resp: 6896886
 Ion Ratio Lower Upper
 43 100
 58 42.1 31.9 47.9
 85 20.9 14.2 21.4



#59
 2-Hexanone
 Concen: 756.672 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

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

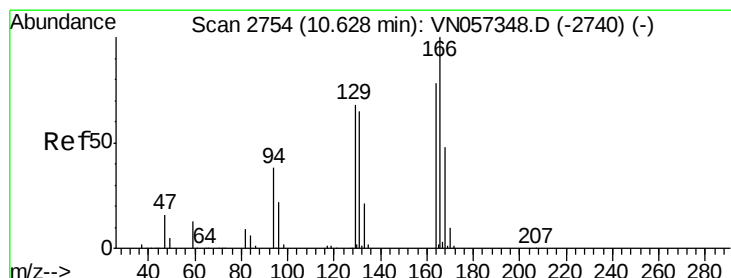
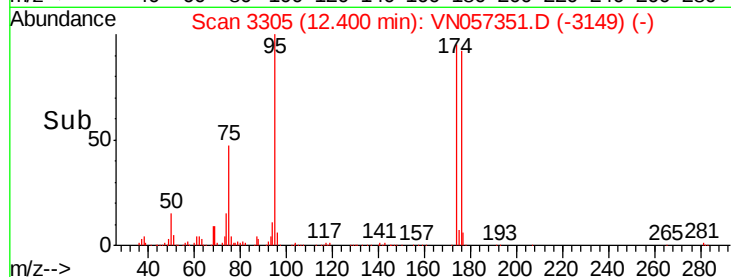
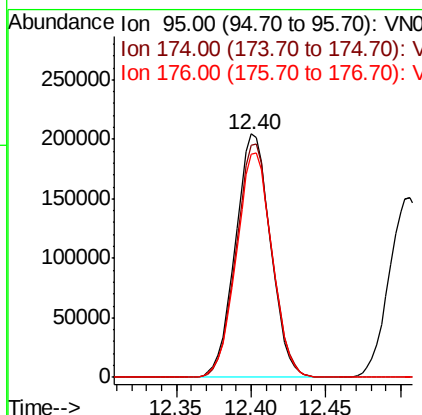
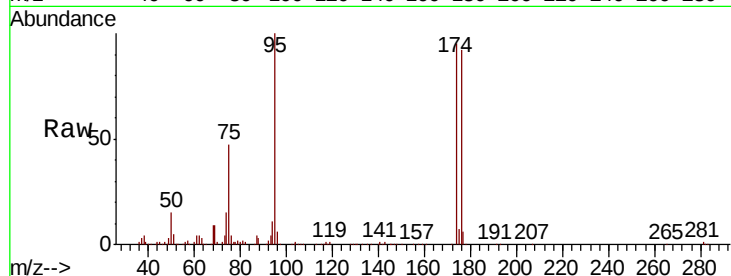




#60
4-Bromofluorobenzene
Concen: 32.403 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

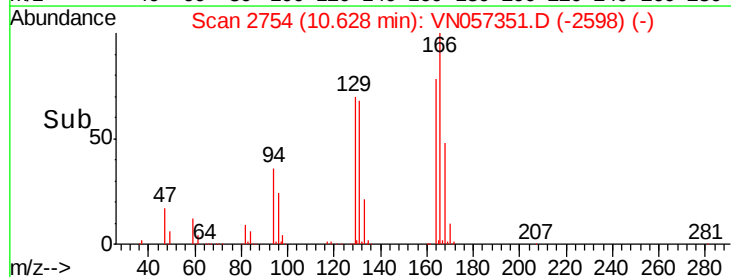
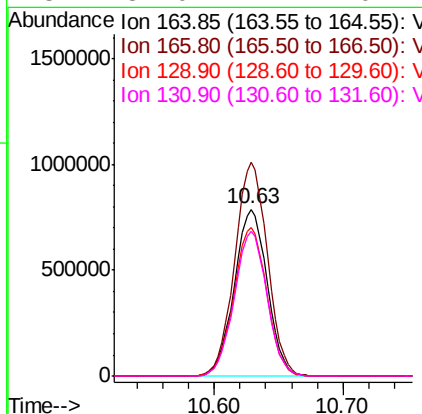
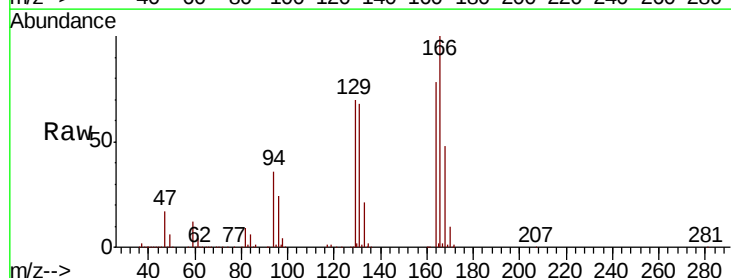
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

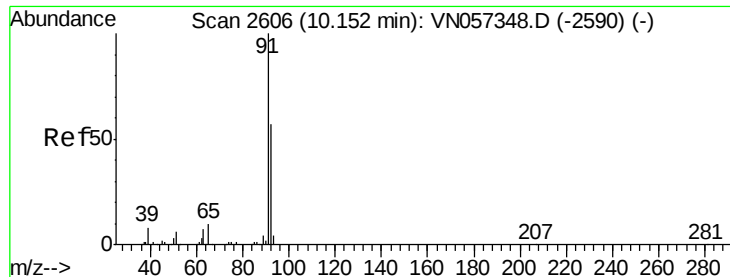
Tgt Ion: 95 Resp: 335108
Ion Ratio Lower Upper
95 100
174 96.6 72.6 108.8
176 93.5 71.0 106.6



#61
Tetrachloroethene
Concen: 135.542 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

Tgt 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





#62

Toluene

Concen: 144.296 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

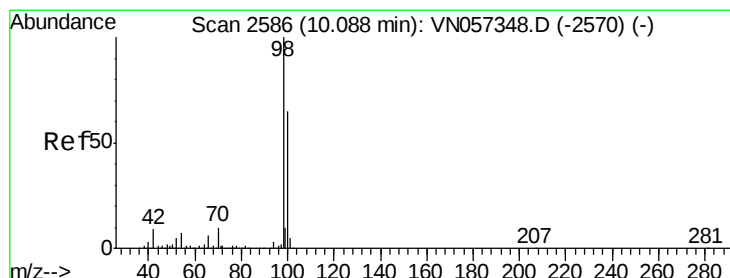
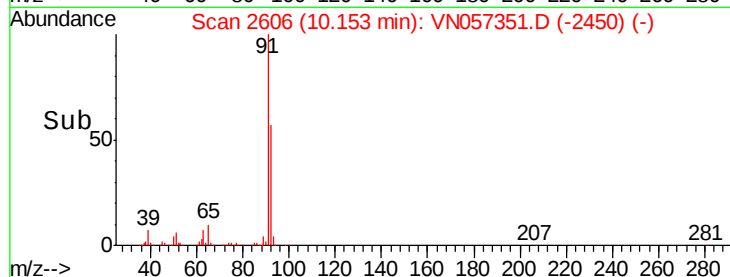
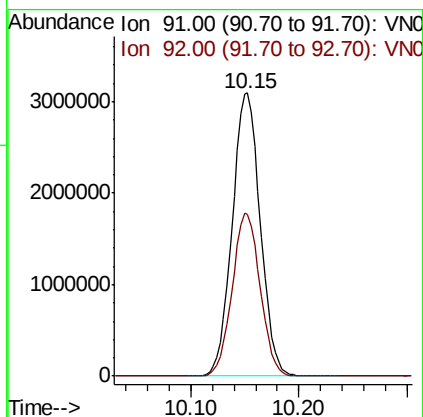
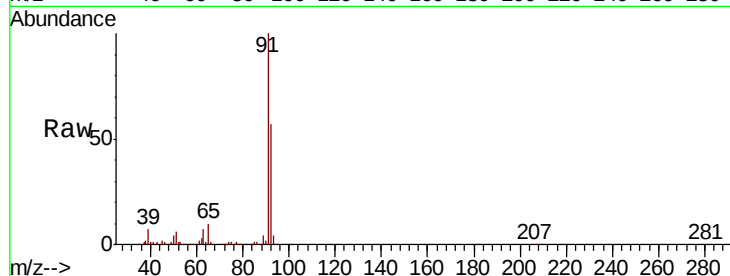
VSTDIC150

Tgt Ion: 91 Resp: 5589626

Ion Ratio Lower Upper

91 100

92 57.6 46.7 70.1



#63

Toluene-d8

Concen: 28.827 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057351.D

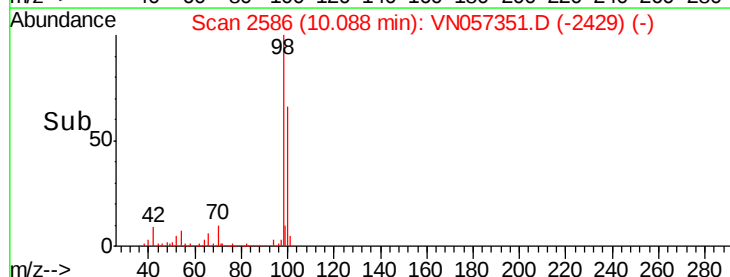
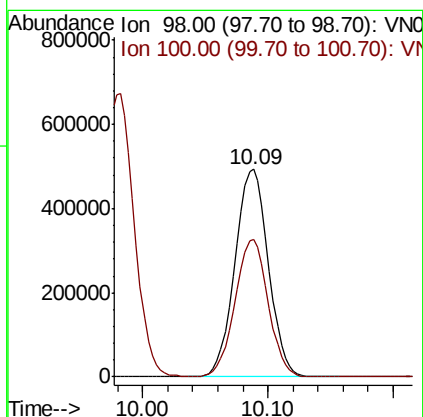
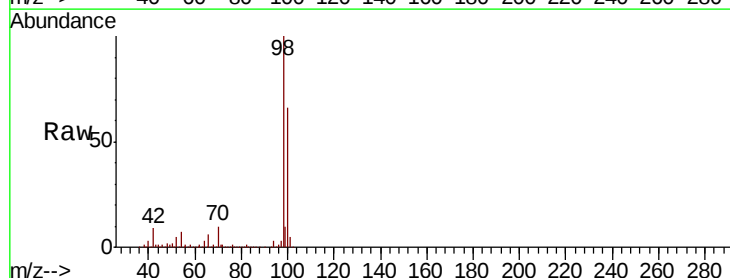
Acq: 16 Aug 2019 13:05

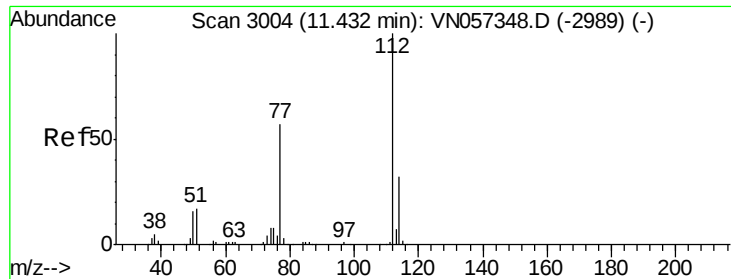
Tgt Ion: 98 Resp: 913193

Ion Ratio Lower Upper

98 100

100 65.5 51.1 76.7





#64

Chlorobenzene

Concen: 149.367 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

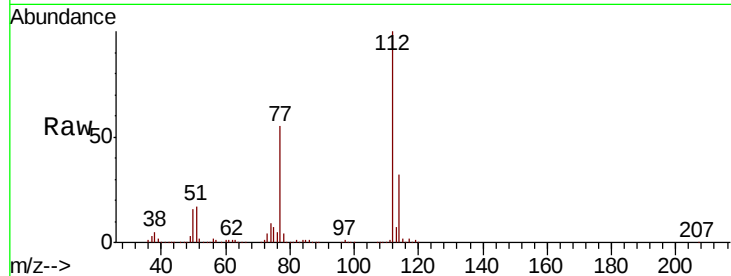
VSTDIC150

Tgt Ion:112 Resp: 3634774

Ion Ratio Lower Upper

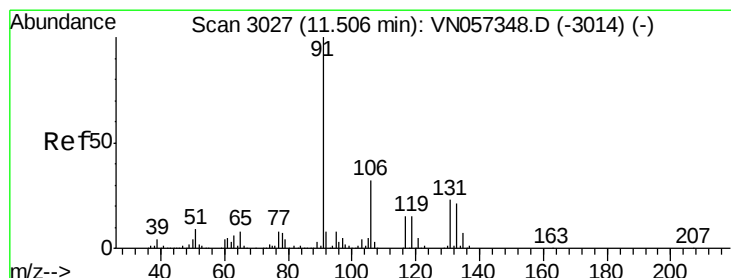
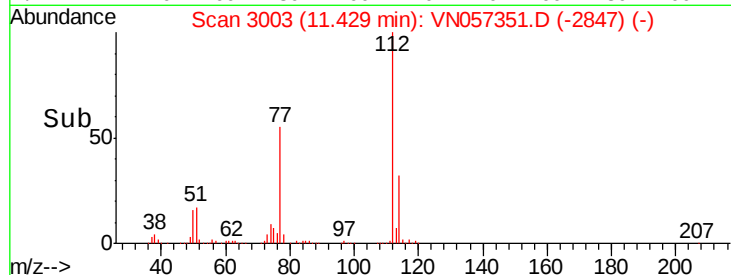
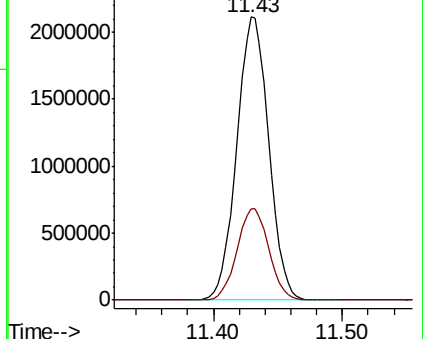
112 100

114 32.4 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 145.906 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

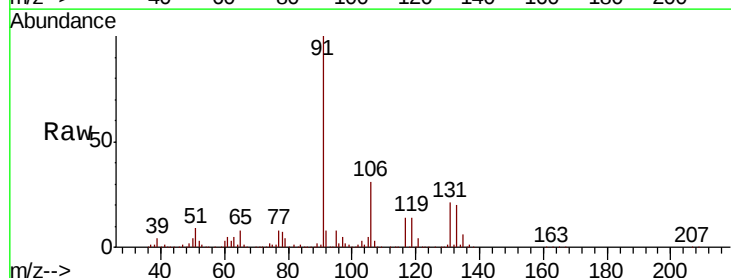
Tgt Ion:131 Resp: 1380119

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.4

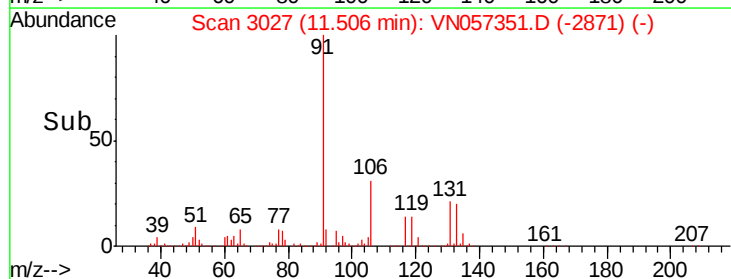
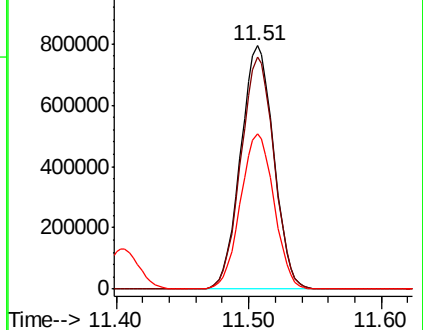
119 64.7 0.0 133.4

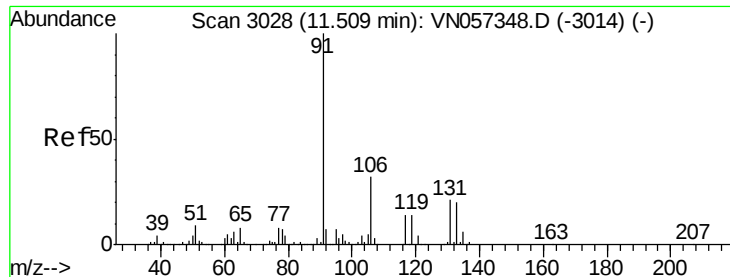


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

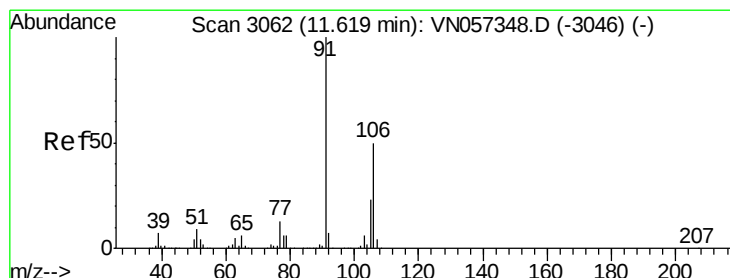
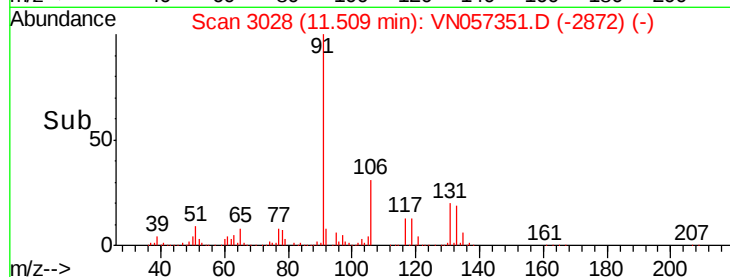
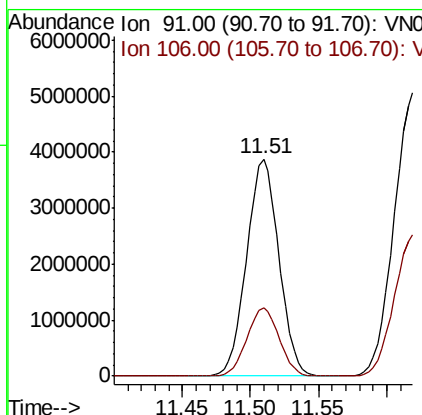
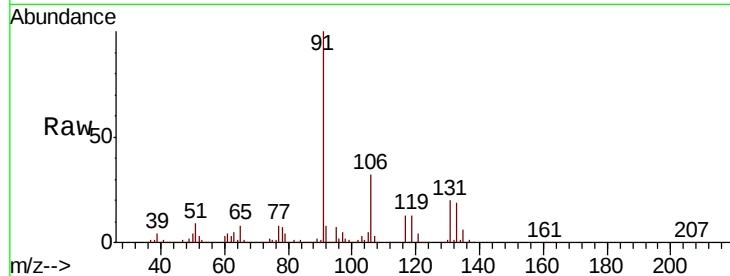




#66
Ethyl Benzene
Concen: 150.332 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

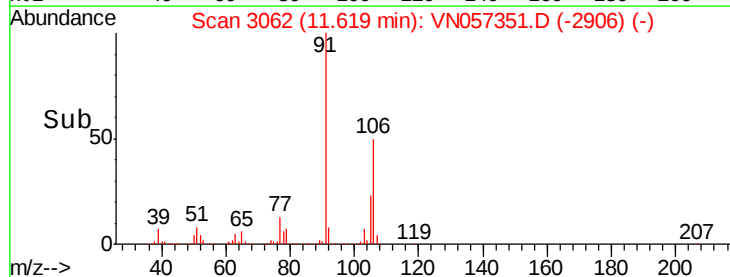
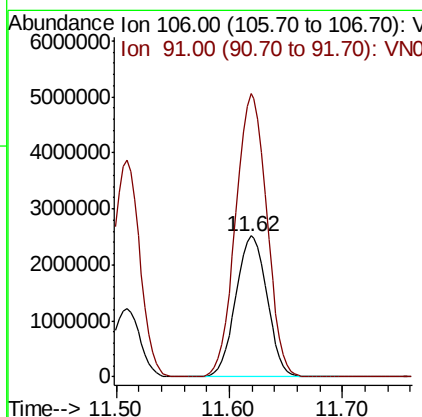
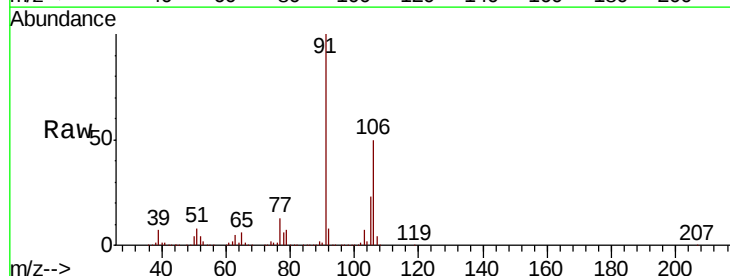
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

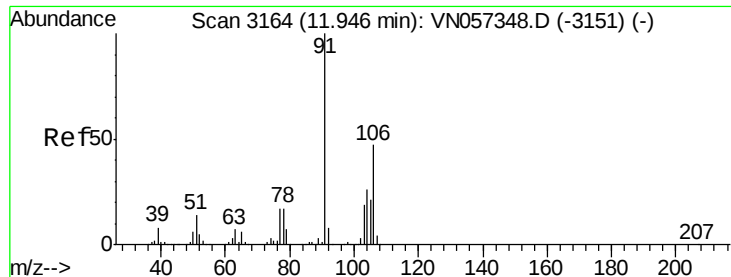
Tgt Ion: 91 Resp: 6362315
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#67
m/p-Xylenes
Concen: 307.038 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057351.D
Acq: 16 Aug 2019 13:05

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





#68

o-Xylene

Concen: 152.718 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

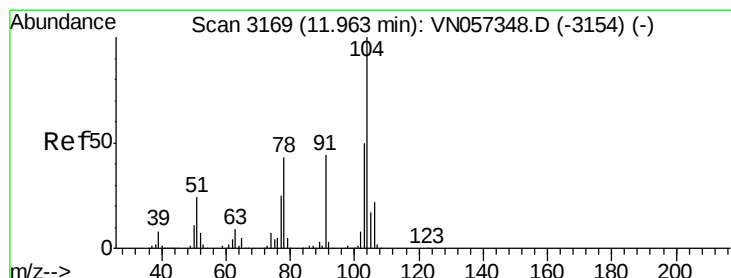
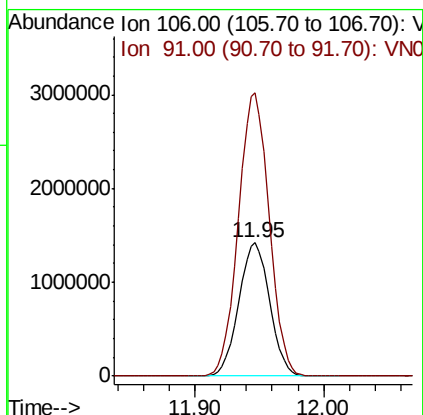
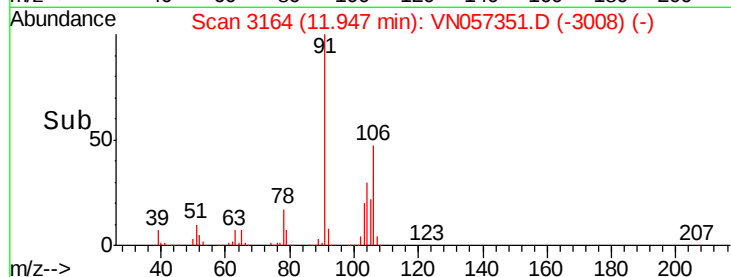
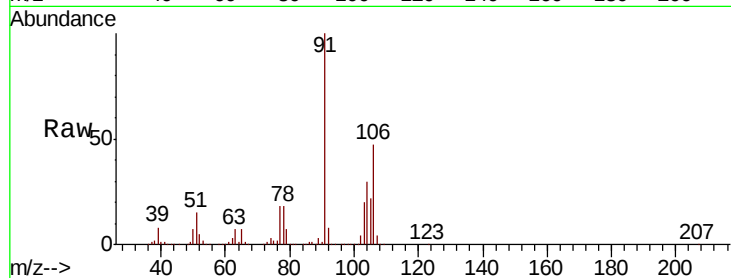
VSTDIC150

Tgt Ion:106 Resp: 2364844

Ion Ratio Lower Upper

106 100

91 211.8 108.1 324.2



#69

Styrene

Concen: 164.923 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

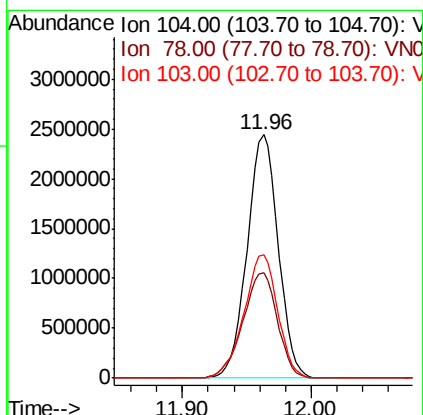
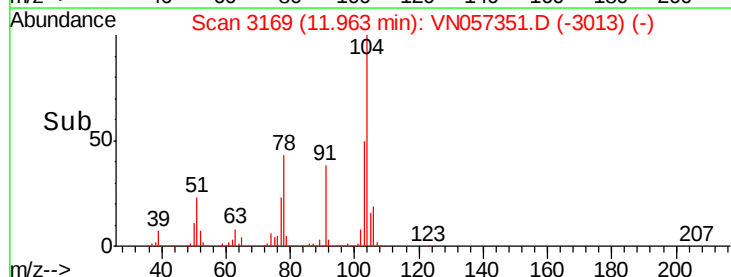
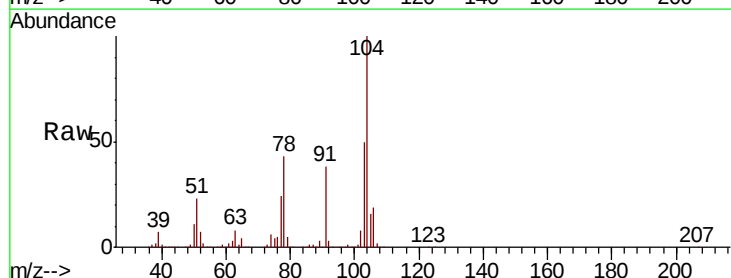
Tgt Ion:104 Resp: 4102866

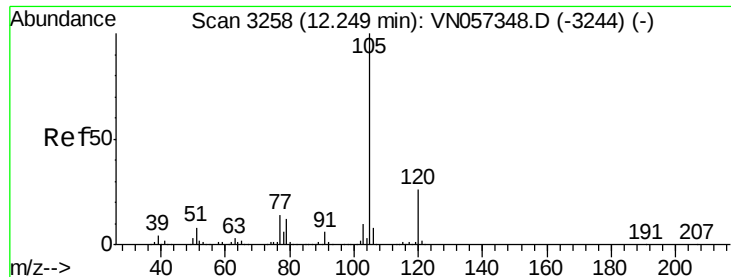
Ion Ratio Lower Upper

104 100

78 48.1 38.7 58.1

103 54.8 45.0 67.4





#70

Isopropylbenzene

Concen: 152.950 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

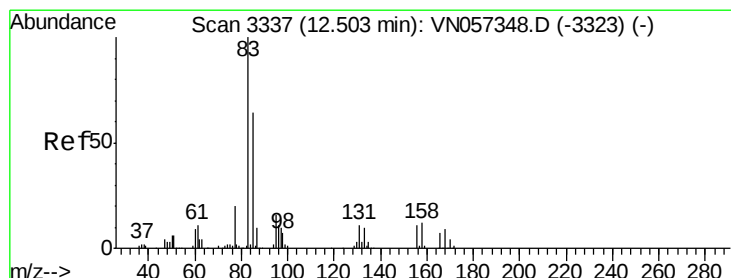
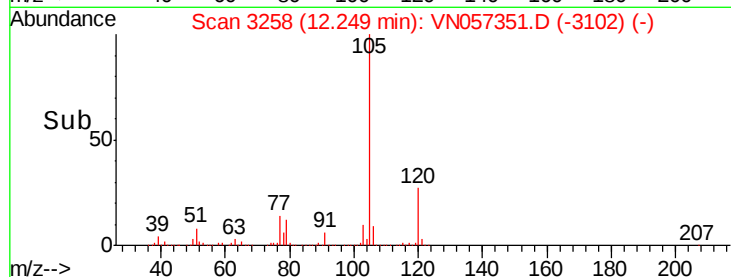
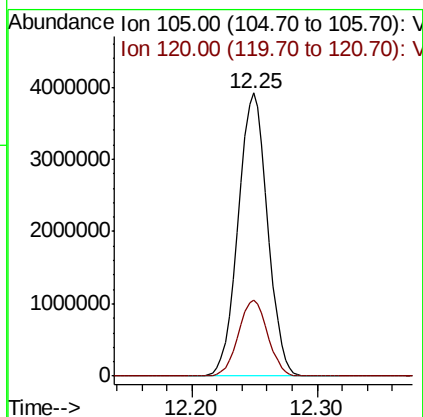
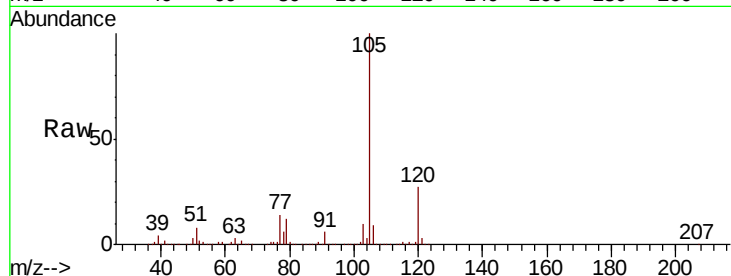
VSTDIC150

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: 148.782 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

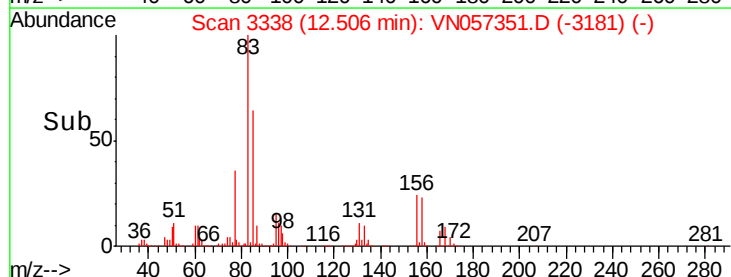
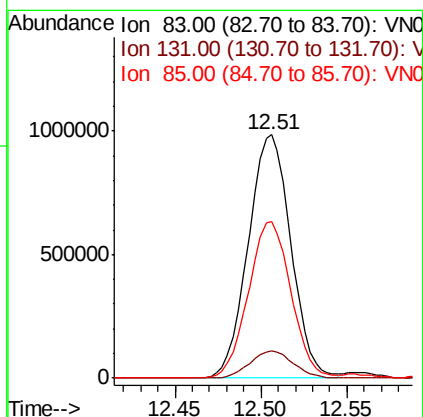
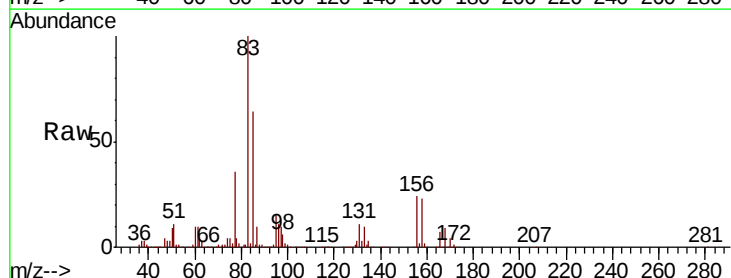
Tgt Ion: 83 Resp: 1691984

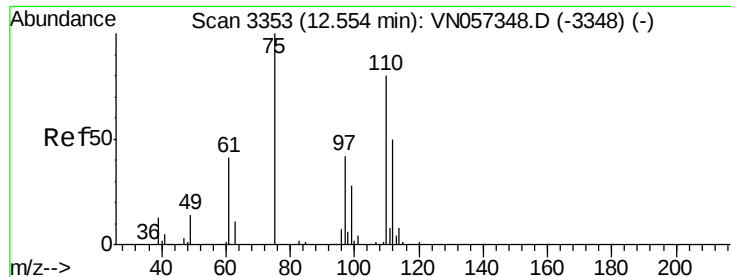
Ion Ratio Lower Upper

83 100

131 11.4 5.1 15.3

85 64.2 31.9 95.7





#72

1,2,3-Trichloropropane

Concen: 232.964 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

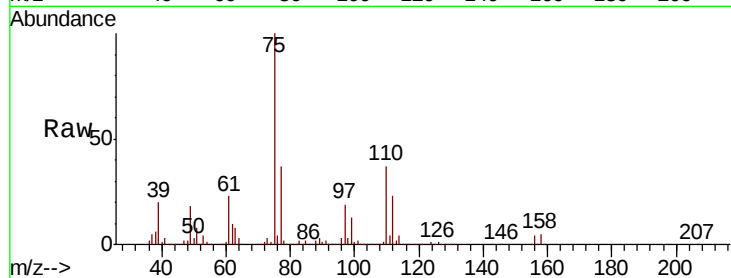
VSTDIC150

Tgt Ion: 75 Resp: 2235722

Ion Ratio Lower Upper

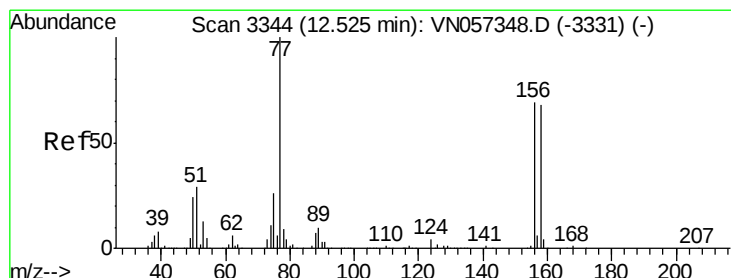
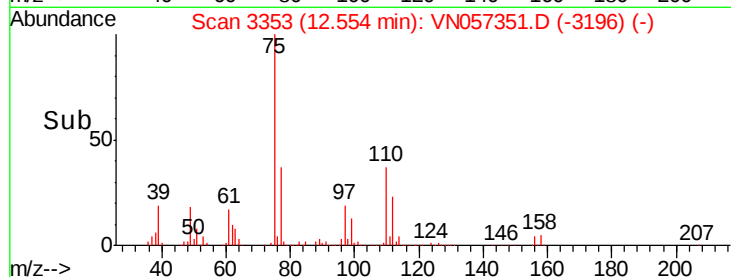
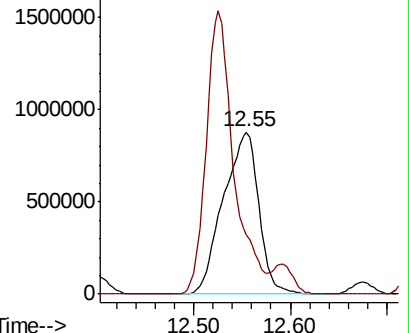
75 100

77 136.5 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3348) (-)



#73

Bromobenzene

Concen: 160.330 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

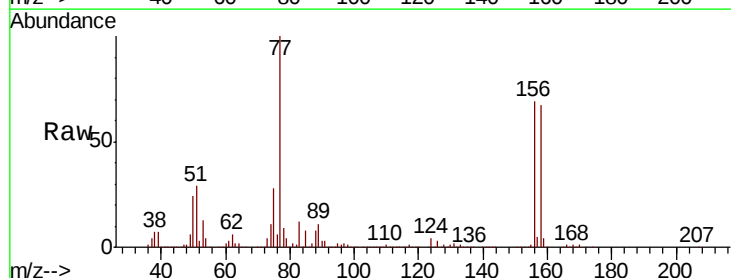
Tgt Ion: 156 Resp: 1763798

Ion Ratio Lower Upper

156 100

77 173.0 0.0 381.8

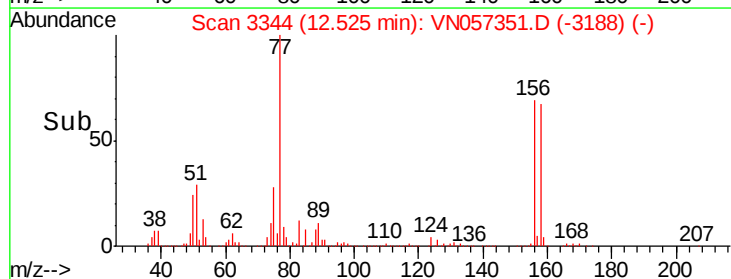
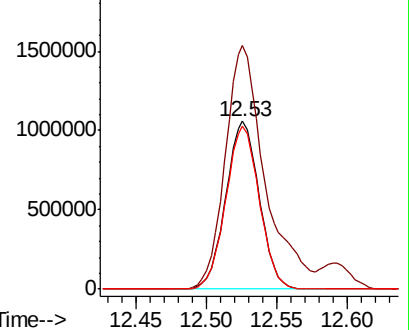
158 97.1 0.0 195.8

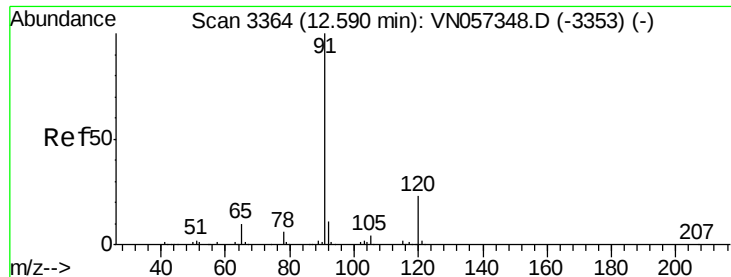


Abundance Ion 156.00 (155.70 to 156.70): VN057348.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN057348.D (-3331) (-)





#74

n-propylbenzene

Concen: 165.559 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

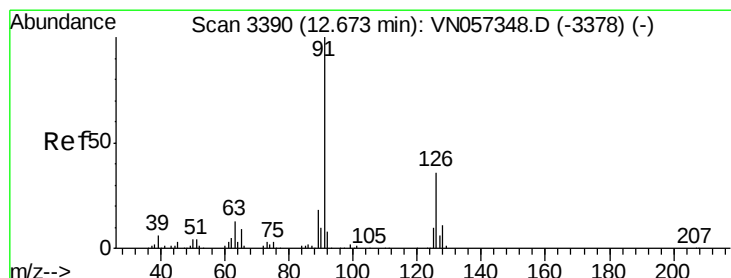
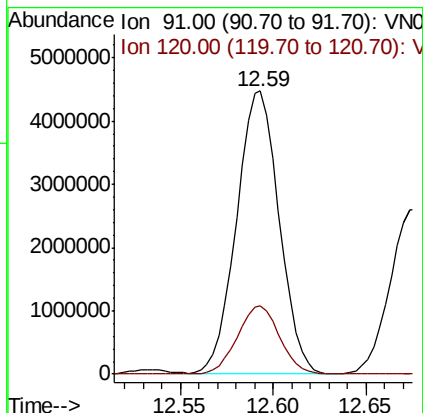
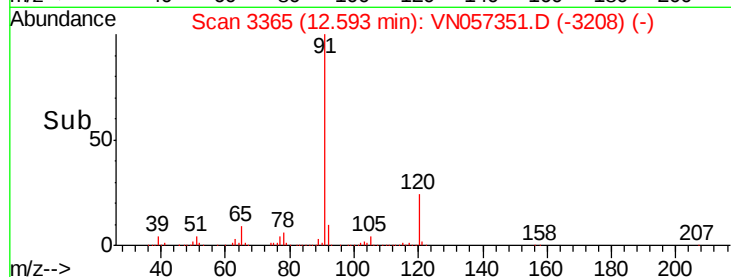
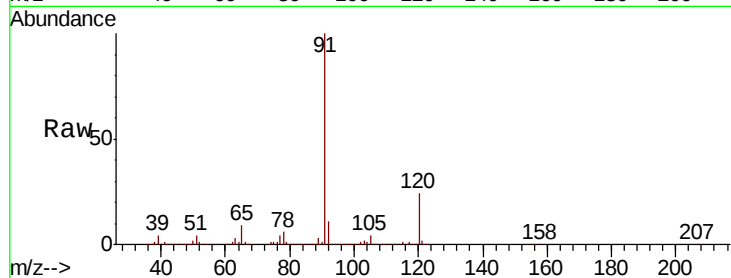
VSTDIC150

Tgt Ion: 91 Resp: 7139236

Ion Ratio Lower Upper

91 100

120 23.8 0.0 45.6



#75

2-Chlorotoluene

Concen: 159.852 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057351.D

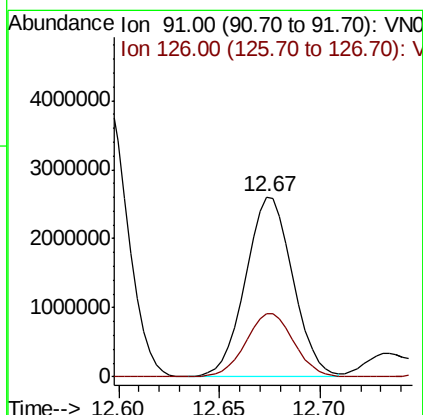
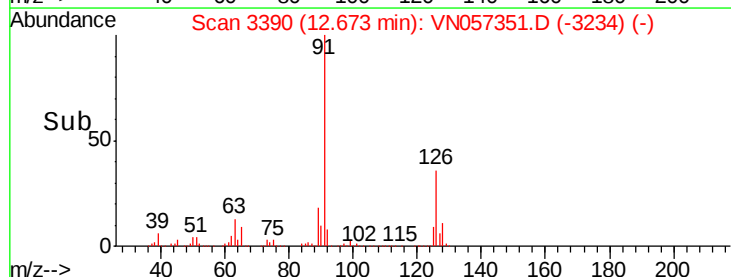
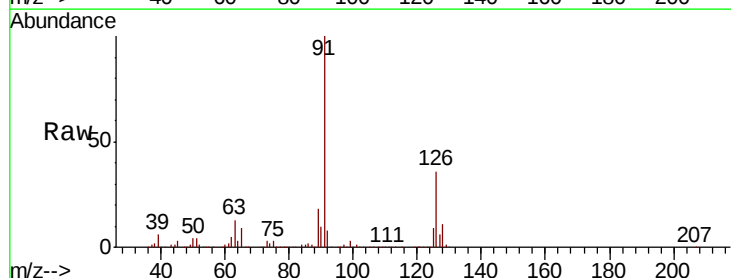
Acq: 16 Aug 2019 13:05

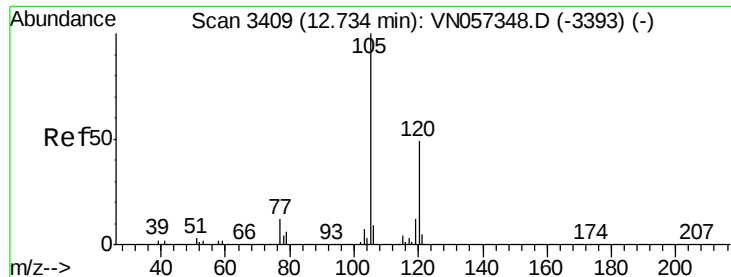
Tgt Ion: 91 Resp: 4277551

Ion Ratio Lower Upper

91 100

126 35.9 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 158.329 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

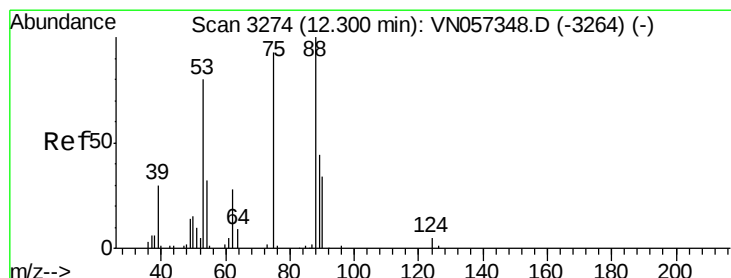
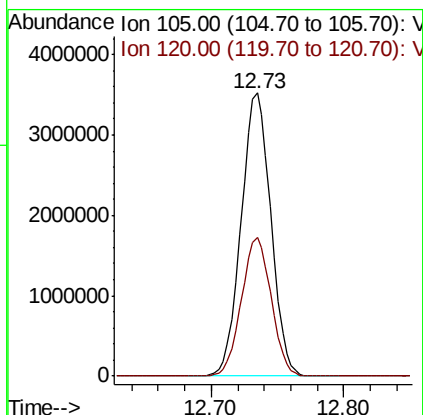
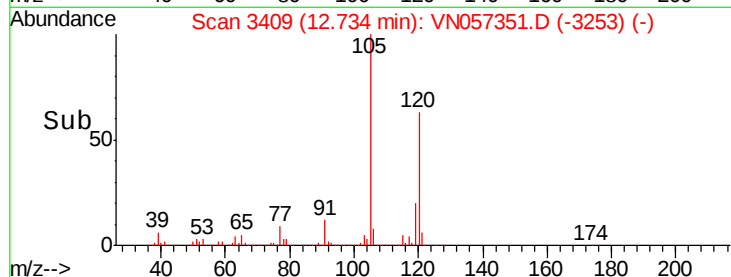
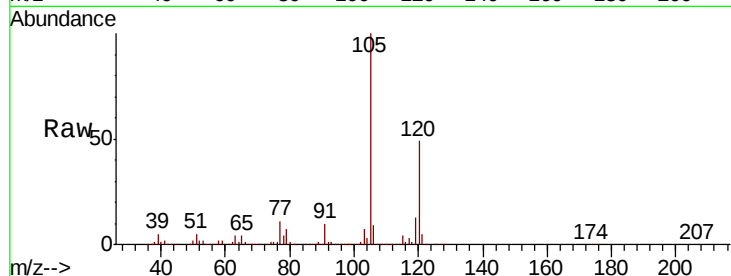
VSTDIC150

Tgt Ion:105 Resp: 5466799

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.6



#77

t-1,4-Dichloro-2-butene

Concen: 169.552 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

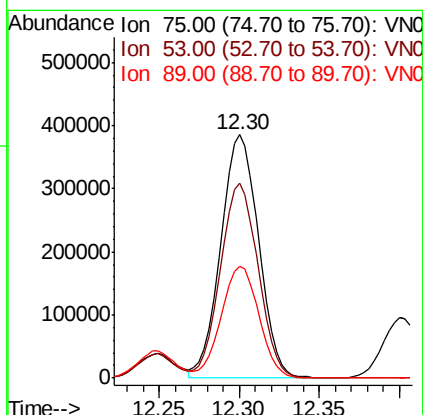
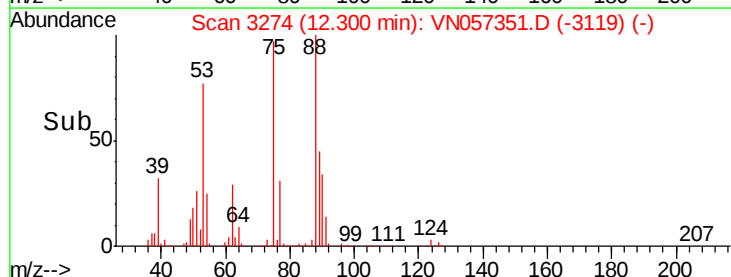
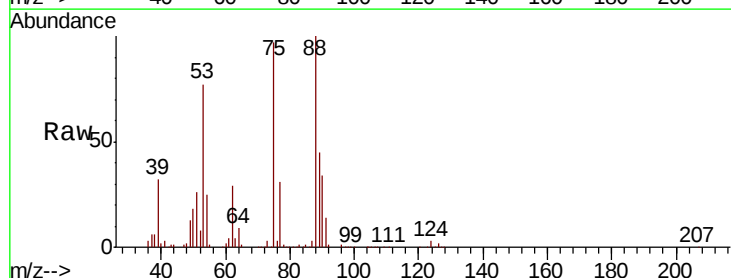
Tgt Ion: 75 Resp: 624385

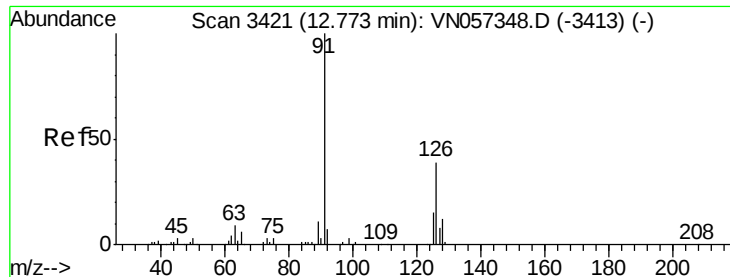
Ion Ratio Lower Upper

75 100

53 80.0 48.6 145.8

89 46.2 21.3 64.0





#78

4-Chlorotoluene

Concen: 171.723 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

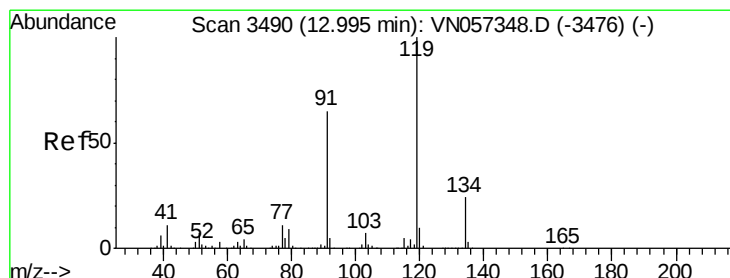
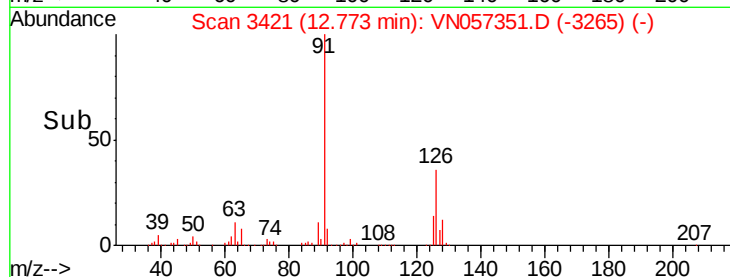
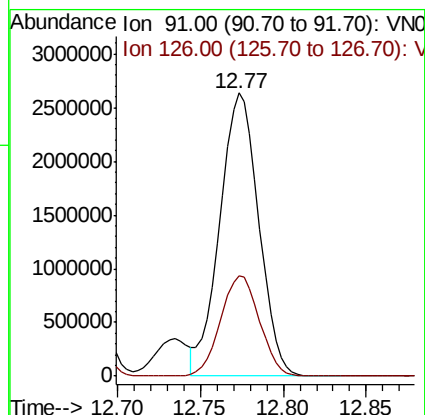
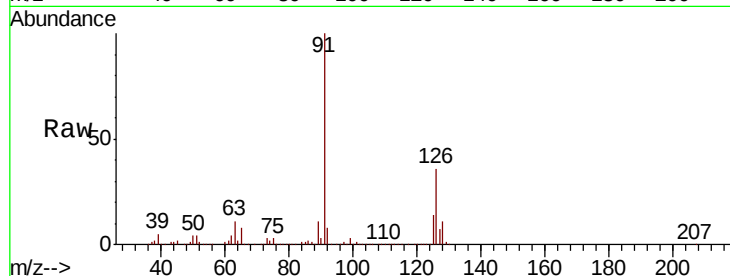
VSTDIC150

Tgt Ion: 91 Resp: 4299478

Ion Ratio Lower Upper

91 100

126 35.5 0.0 69.4



#79

tert-butylbenzene

Concen: 155.233 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

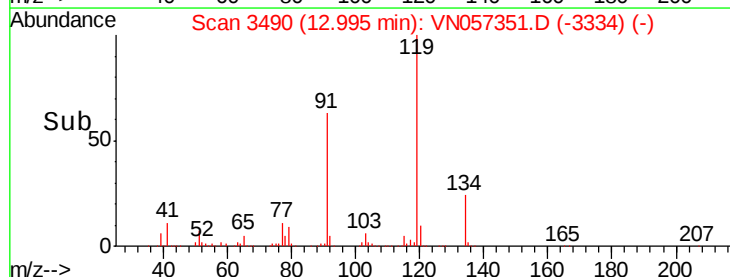
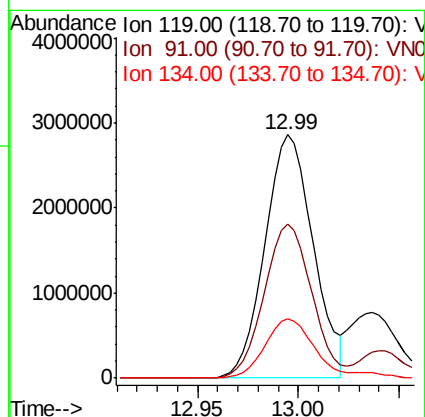
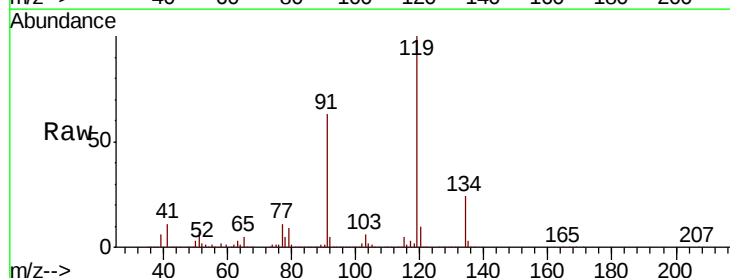
Tgt Ion: 119 Resp: 4776211

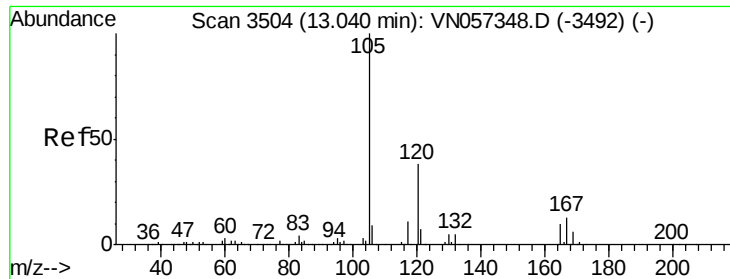
Ion Ratio Lower Upper

119 100

91 62.3 0.0 125.4

134 24.5 0.0 48.4

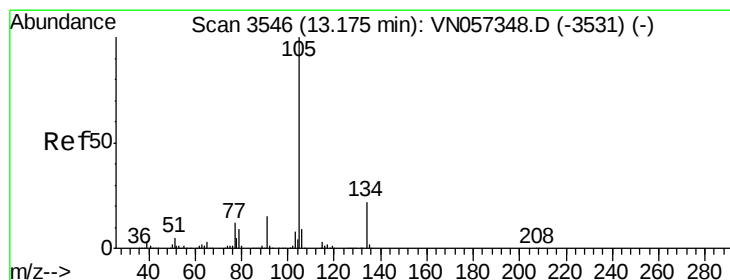
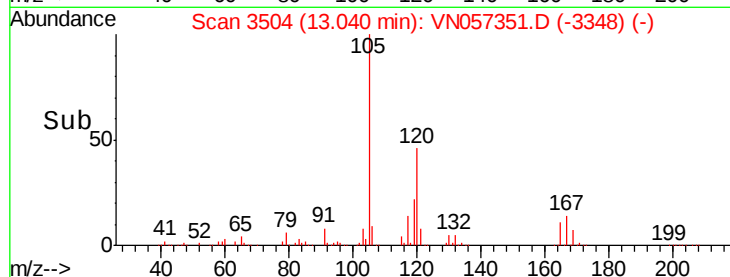
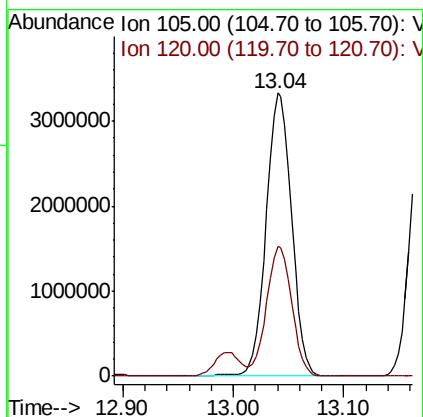
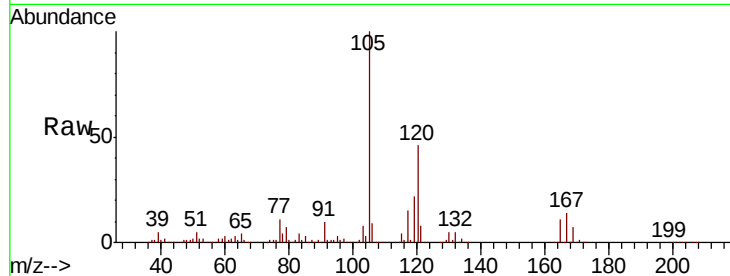




#80
 1,2,4-Trimethylbenzene
 Concen: 163.380 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

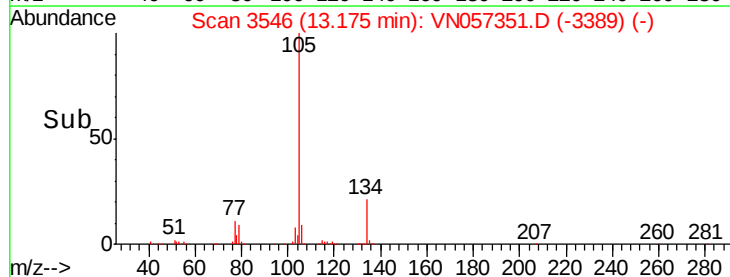
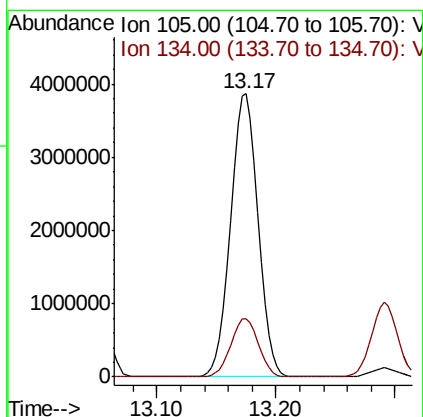
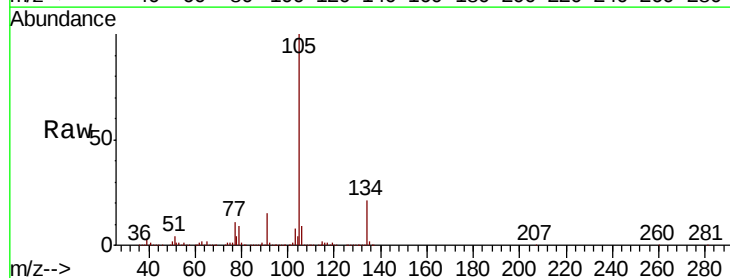
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

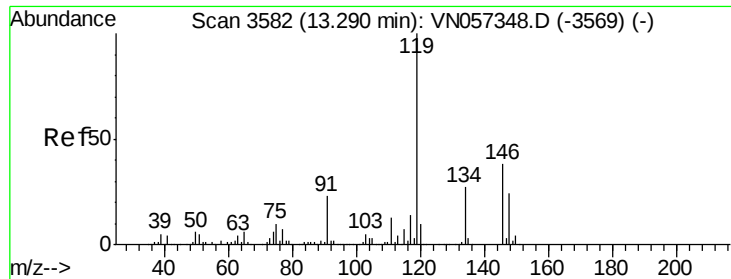
Tgt Ion:105 Resp: 5320983
 Ion Ratio Lower Upper
 105 100
 120 45.3 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 162.559 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt Ion:105 Resp: 6165379
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 40.8

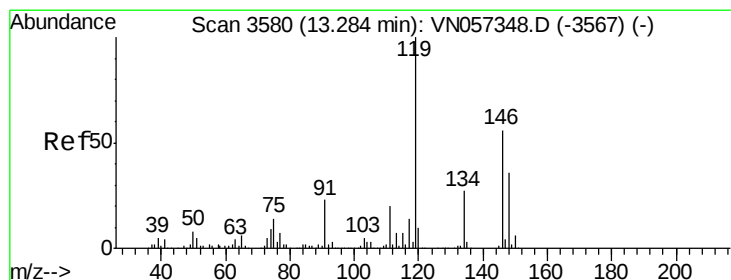
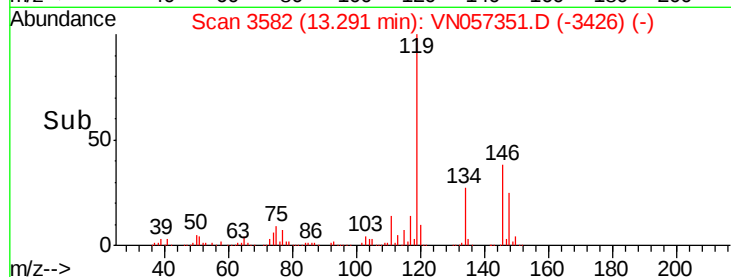
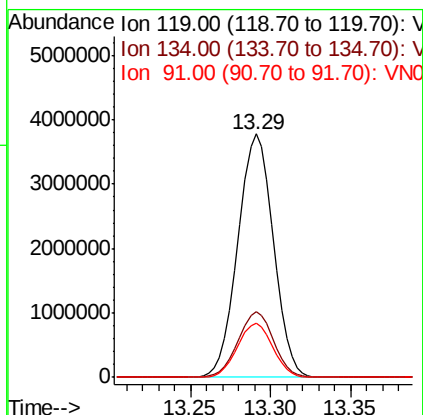
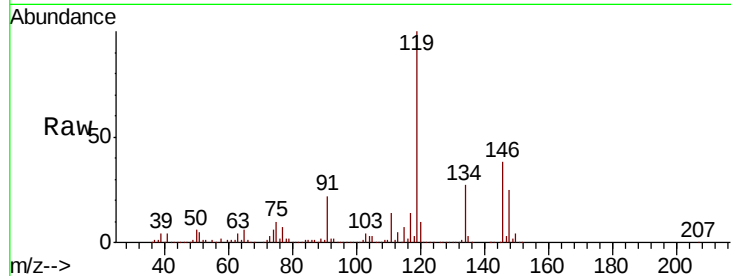




#82
 p-Isopropyltoluene
 Concen: 167.774 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

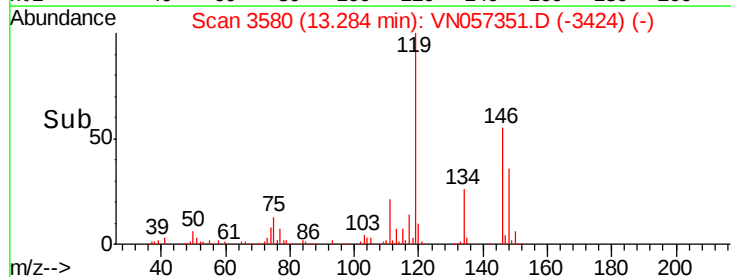
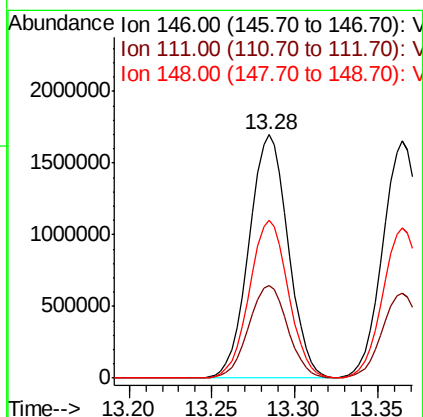
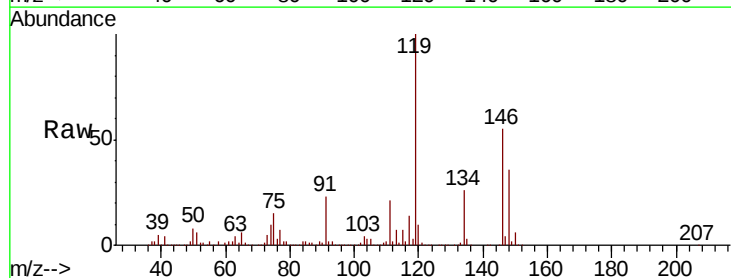
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

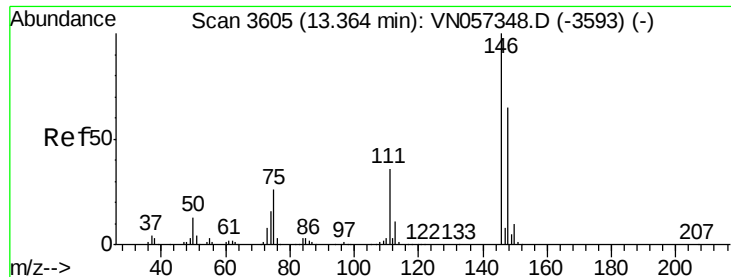
Tgt Ion:119 Resp: 5700579
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.8
 91 22.3 0.0 45.4



#83
 1,3-Dichlorobenzene
 Concen: 173.601 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Tgt 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: 179.944 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

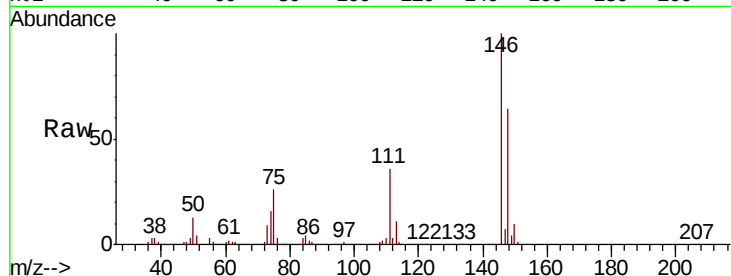
Tgt Ion:146 Resp: 2706707

Ion Ratio Lower Upper

146 100

111 35.9 17.8 53.4

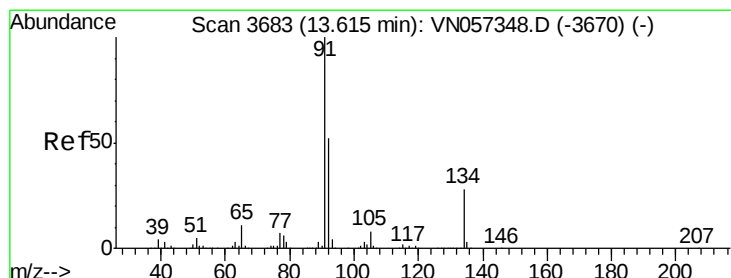
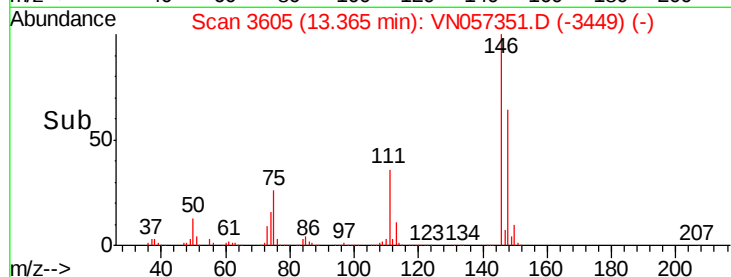
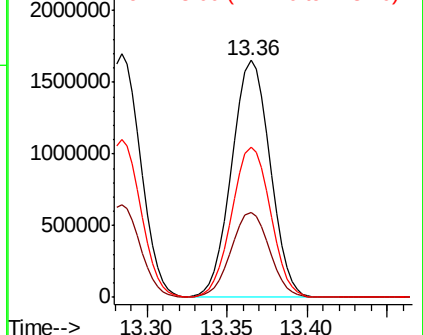
148 64.0 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 174.586 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

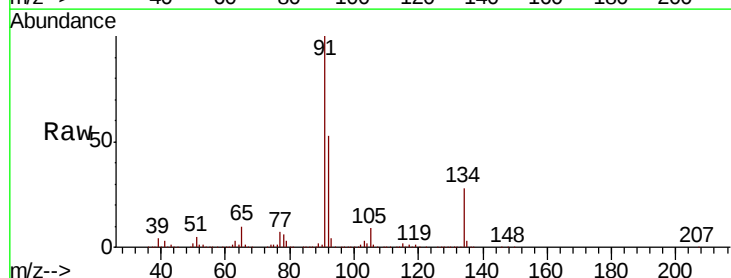
Tgt Ion: 91 Resp: 4410964

Ion Ratio Lower Upper

91 100

92 52.6 0.0 104.0

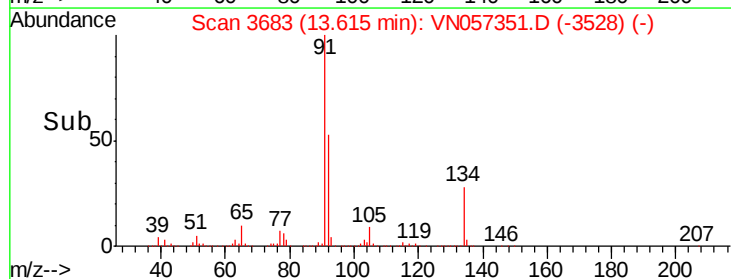
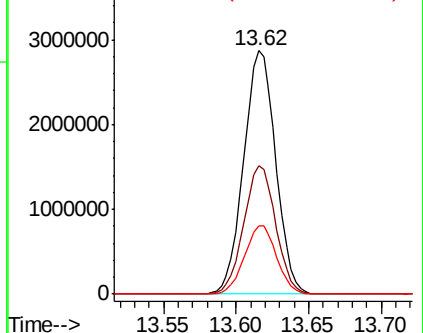
134 28.1 0.0 53.2

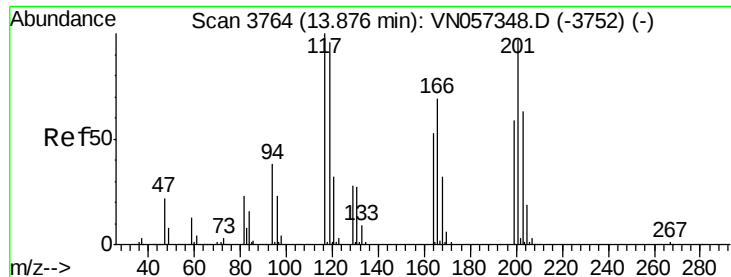


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 158.093 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

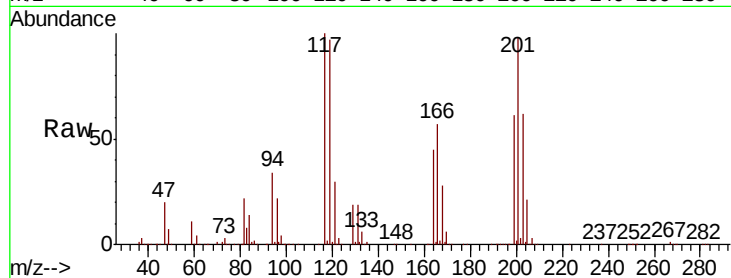
VSTDIC150

Tgt Ion:117 Resp: 1033897

Ion Ratio Lower Upper

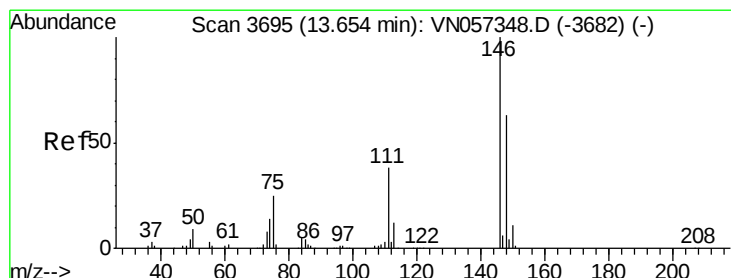
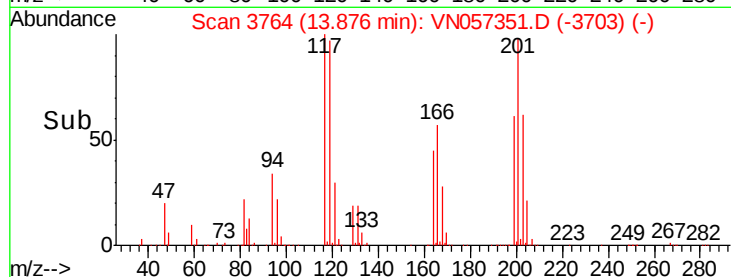
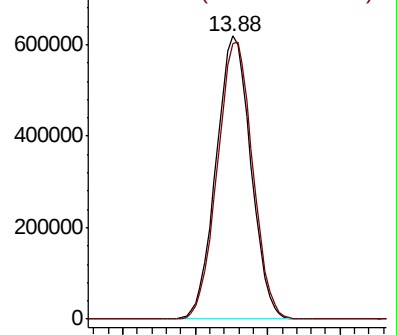
117 100

201 99.3 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 168.722 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

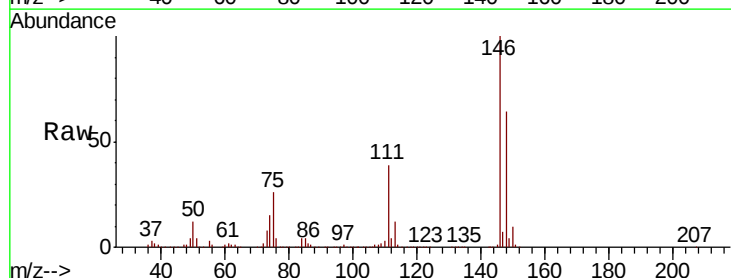
Tgt Ion:146 Resp: 2568586

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

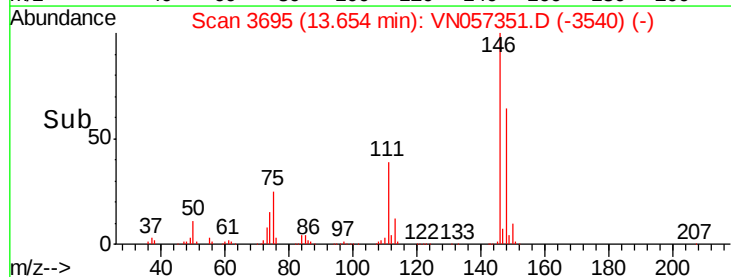
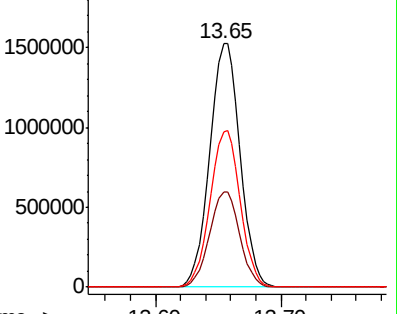
148 63.7 32.7 98.1

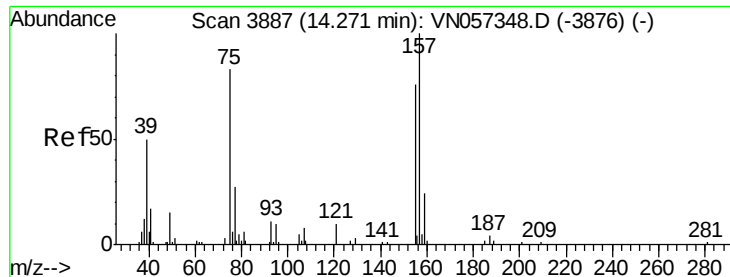


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 187.872 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

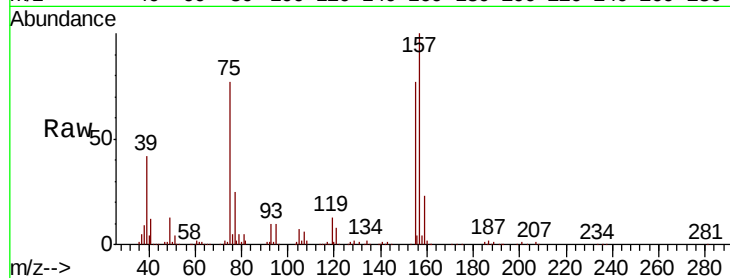
Tgt Ion: 75 Resp: 286364

Ion Ratio Lower Upper

75 100

155 99.9 78.6 117.8

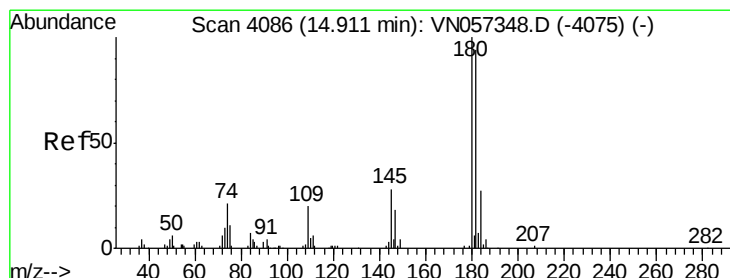
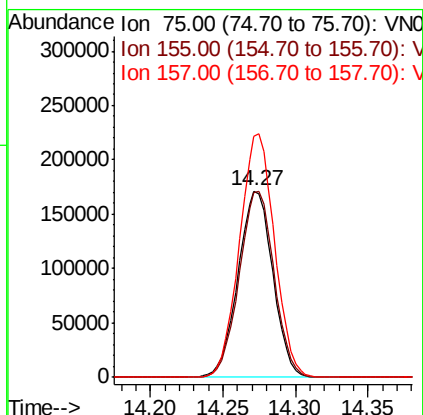
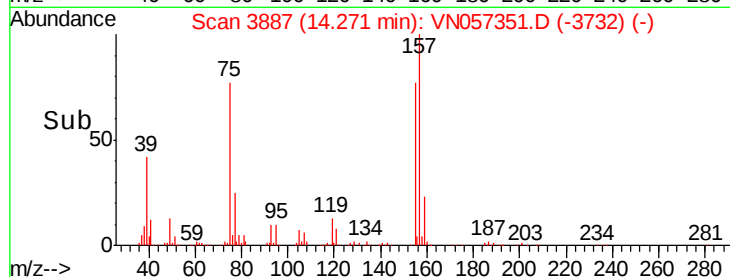
157 131.2 99.3 148.9



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3876) (-)

Ion 155.00 (154.70 to 155.70): VN057348.D (-3876) (-)

Ion 157.00 (156.70 to 157.70): VN057348.D (-3876) (-)



#89

1,2,4-Trichlorobenzene

Concen: 229.615 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

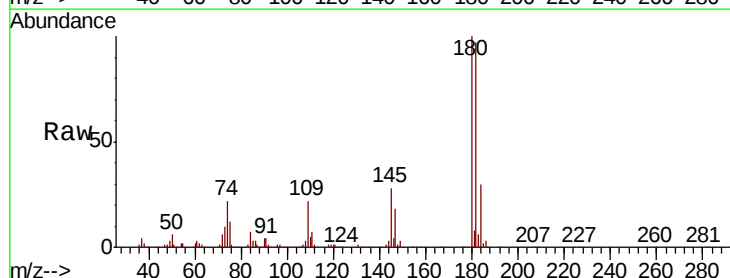
Tgt Ion: 180 Resp: 1236819

Ion Ratio Lower Upper

180 100

182 96.3 78.2 117.4

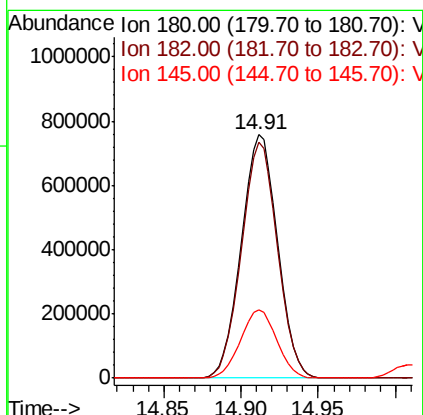
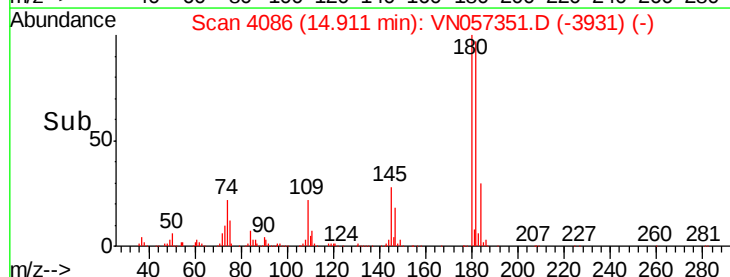
145 28.2 23.2 34.8

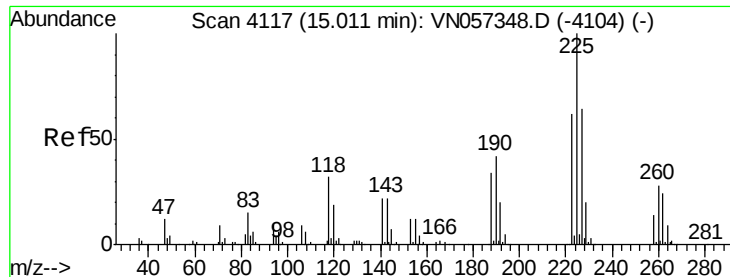


Abundance Ion 180.00 (179.70 to 180.70): VN057348.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN057348.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN057348.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 145.958 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

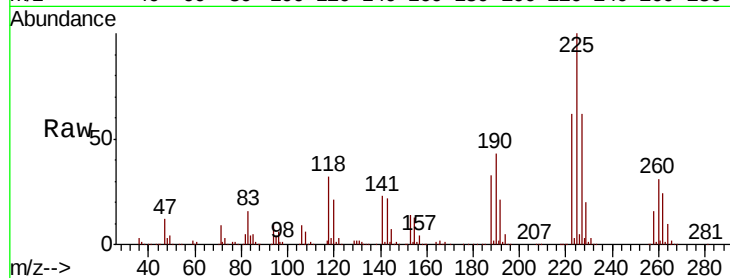
Tgt Ion:225 Resp: 1003307

Ion Ratio Lower Upper

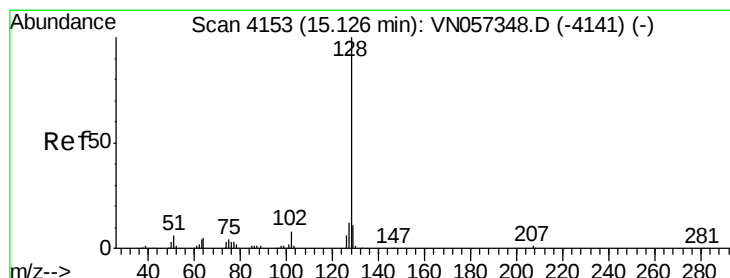
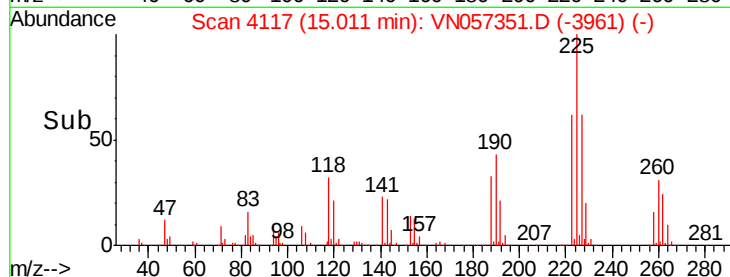
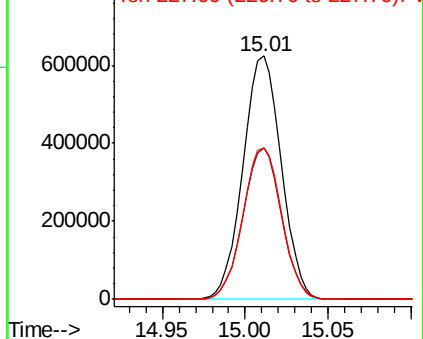
225 100

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: 257.298 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057351.D

Acq: 16 Aug 2019 13:05

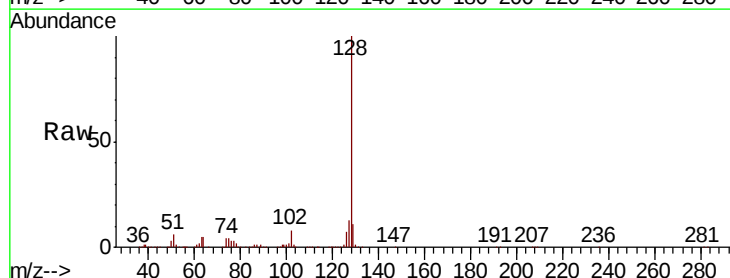
Tgt Ion:128 Resp: 2995480

Ion Ratio Lower Upper

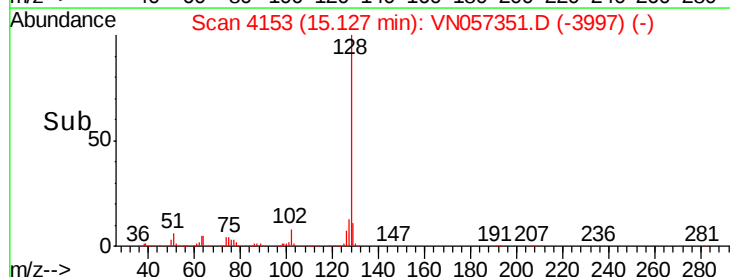
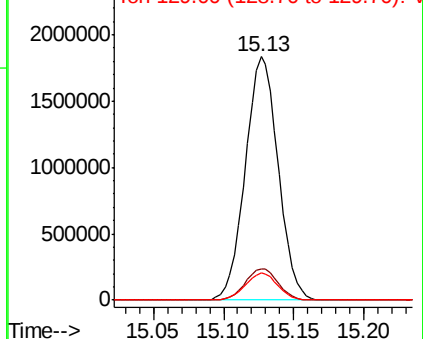
128 100

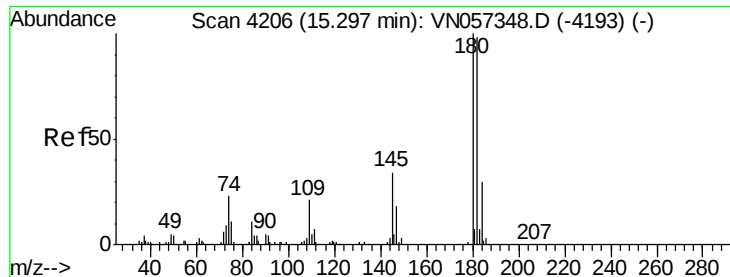
127 12.9 10.4 15.6

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

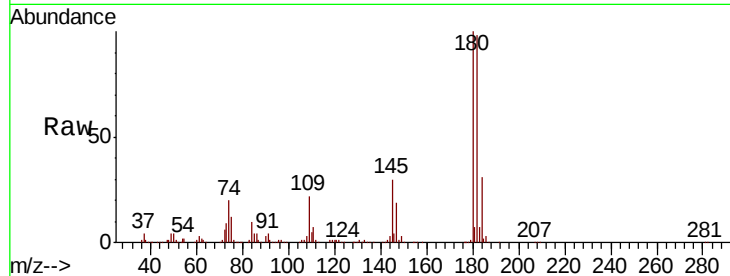




#92
 1,2,3-Trichlorobenzene
 Concen: 242.430 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057351.D
 Acq: 16 Aug 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

