

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
 Data File : VN057168.D
 Acq On : 10 Aug 2019 11:26
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 11 03:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:32:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	167688	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	948193	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.90	117	869042	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	333170	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	11.92	95	414941	32.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.90%
63) Toluene-d8	9.56	98	1161616	28.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.53%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	1434477	156.833	ug/l	99
3) Chloromethane	2.00	50	1666618	157.300	ug/l	99
4) Vinyl Chloride	2.11	62	1694745	157.231	ug/l	98
5) Bromomethane	2.42	94	1177378	153.339	ug/l	99
6) Chloroethane	2.54	64	1080716	154.619	ug/l	99
7) Trichlorofluoromethane	2.82	101	2493668	155.156	ug/l	100
8) Diethyl Ether	3.14	74	936253	156.299	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	1487958	153.053	ug/l	99
10) 1,1-Dichloroethene	3.43	96	1495801	155.616	ug/l	98
11) Methyl Iodide	3.63	142	2493459	166.247	ug/l	98
12) Methyl Acetate	3.89	43	1492175	149.025	ug/l	98
13) Acrolein	3.31	56	850114	769.854	ug/l	98
14) Acrylonitrile	4.45	53	3343648	800.390	ug/l	99
15) Acetone	3.48	58	983420	709.309	ug/l	94
16) Carbon Disulfide	3.72	76	4170204	160.816	ug/l	100
17) Allyl chloride	3.91	41	2179546	153.807	ug/l	98
18) Methylene Chloride	4.10	84	1657395	152.092	ug/l	97
19) trans-1,2-Dichloroethene	4.50	96	1592237	154.513	ug/l	98
20) Diisopropyl ether	5.32	45	4421438	152.990	ug/l	89
21) 1,1-Dichloroethane	5.25	63	2734243	151.904	ug/l	99
22) cis-1,2-Dichloroethene	6.21	96	1809834	154.307	ug/l	98
23) tert-Butyl Alcohol	4.24	59	1101597	799.113	ug/l	100
24) Methyl tert-Butyl Ether	4.49	73	4477271	158.400	ug/l	99
25) Chloroform	6.76	83	2811956	151.930	ug/l	100
26) Cyclohexane	7.07	56	2399221	155.921	ug/l #	99
29) 1,1-Dichloropropene	7.20	75	2181809	153.010	ug/l	100
30) 2-Butanone	6.20	43	4224187	752.459	ug/l	100
31) 2,2-Dichloropropane	6.21	77	2302695	151.042	ug/l	100
32) 1,1,1-Trichloroethane	6.98	97	2522866	152.778	ug/l	99
33) Carbon Tetrachloride	7.18	117	2278932	155.032	ug/l	96
34) Benzene	7.46	78	6535457	150.148	ug/l #	95
35) Methacrylonitrile	6.55	41	905805	159.647	ug/l	93
36) 1,2-Dichloroethane	7.54	62	2081246	149.674	ug/l	99
37) Trichloroethene	8.27	130	1856516	150.097	ug/l	99
38) Methylcyclohexane	8.53	83	2647751	155.605	ug/l	99
39) 1,2-Dichloropropane	8.56	63	1694632	87.986	ug/l	97
40) Dibromomethane	8.65	93	1093374	151.378	ug/l	99

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 Sample : VSTDICC150
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Instrument :
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 ClientSampleId :
 VSTDICC150

Quant Time: Aug 11 03:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	2247105	156.462	ug/l	97
42) Vinyl Acetate	5.26	43	18079954	774.698	ug/l	99
43) Ethyl Acetate	6.28	43	1649427	159.308	ug/l	100
44) Isopropyl Acetate	7.56	43	2917008	155.169	ug/l	97
45) 1,4-Dioxane	8.64	88	533093	3038.786	ug/l	97
46) Methyl methacrylate	8.64	41	1386493	161.763	ug/l	97
47) n-amyl Acetate	11.58	43	2484400	179.632	ug/l	98
48) t-1,3-Dichloropropene	9.85	75	2499427	163.208	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	2755909	175.151	ug/l	99
50) 1,1,2-Trichloroethane	10.04	97	1575685	152.636	ug/l	97
51) Ethyl methacrylate	9.90	69	2407300	165.243	ug/l	99
52) 1,3-Dichloropropane	10.19	76	2611596	151.775	ug/l	99
53) Dibromochloromethane	10.39	129	1876041	161.279	ug/l	99
54) 1,2-Dibromoethane	10.50	107	1698167	157.588	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	3782210	919.487	ug/l	100
56) Bromoform	11.64	173	1453398	169.083	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	8449434	756.841	ug/l	99
59) 2-Hexanone	10.24	43	6036814	752.125	ug/l	98
61) Tetrachloroethene	10.11	164	1766519	132.439	ug/l	97
62) Toluene	9.63	91	7198748	145.530	ug/l	100
64) Chlorobenzene	10.93	112	4593270	150.974	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.01	131	1736342	148.822	ug/l	98
66) Ethyl Benzene	11.01	91	8085213	152.480	ug/l	100
67) m/p-Xylenes	11.13	106	6128515	306.483	ug/l	99
68) o-Xylene	11.46	106	2968147	152.890	ug/l	99
69) Styrene	11.47	104	5115400	164.324	ug/l	99
70) Isopropylbenzene	11.76	105	7981490	152.705	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.02	83	2122299	148.255	ug/l	100
72) 1,2,3-Trichloropropane	12.08	75	2730241	215.101	ug/l	65
73) Bromobenzene	12.04	156	2157581	159.194	ug/l	96
74) n-propylbenzene	12.11	91	9046495	164.871	ug/l	100
75) 2-Chlorotoluene	12.20	91	5325224	156.910	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	6857327	162.297	ug/l	88
77) t-1,4-Dichloro-2-butene	11.82	75	749421	177.739	ug/l	90
78) 4-Chlorotoluene	12.30	91	5345576	169.594	ug/l	99
79) tert-butylbenzene	12.52	119	5905816	152.255	ug/l	98
80) 1,2,4-Trimethylbenzene	12.57	105	6729709	162.149	ug/l	99
81) sec-Butylbenzene	12.70	105	7874340	161.004	ug/l	99
82) p-Isopropyltoluene	12.82	119	7273514	167.017	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	3601267	174.506	ug/l	98
84) 1,4-Dichlorobenzene	12.90	146	3525185	183.635	ug/l	99
85) n-Butylbenzene	13.15	91	5855062	185.944	ug/l	99
86) Hexachloroethane	13.41	117	1290344	162.949	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	3444289	168.296	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	365724	182.091	ug/l	95
89) 1,2,4-Trichlorobenzene	14.45	180	1766501	215.435	ug/l	98
90) Hexachlorobutadiene	14.55	225	1325735	150.258	ug/l	99
91) Naphthalene	14.67	128	3651523	235.050	ug/l	100
92) 1,2,3-Trichlorobenzene	14.83	180	1580535	209.780	ug/l	97

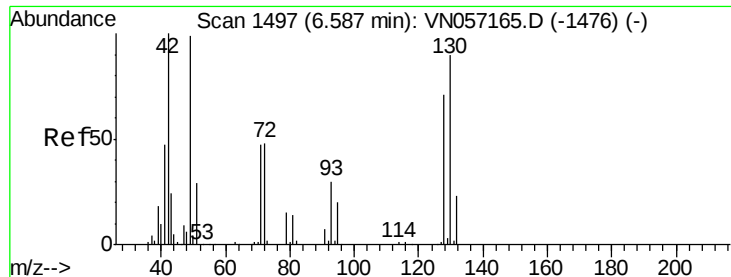
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081019\
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Instrument :
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Quant Time: Aug 11 03:38:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sun Aug 11 03:32:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

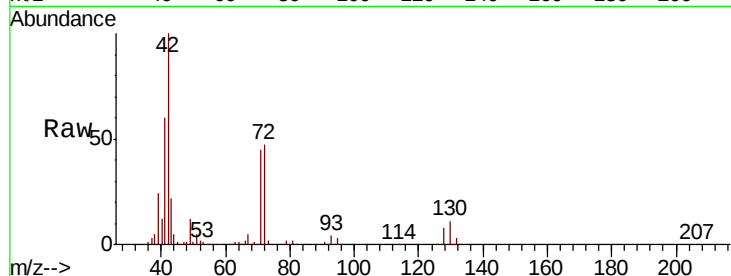
Tgt Ion:128 Resp: 167688

Ion Ratio Lower Upper

128 100

49 149.4 0.0 361.0

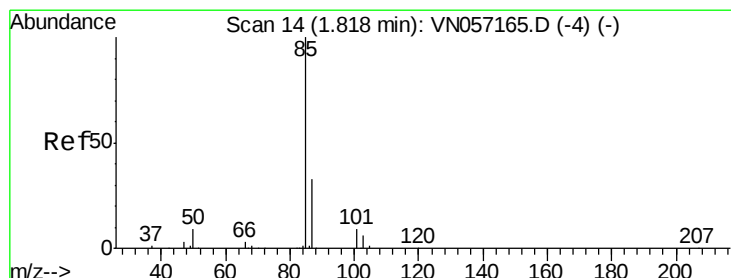
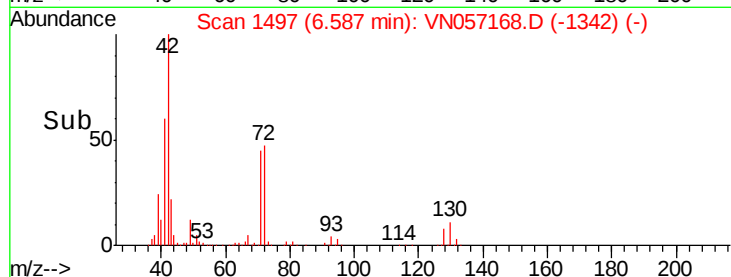
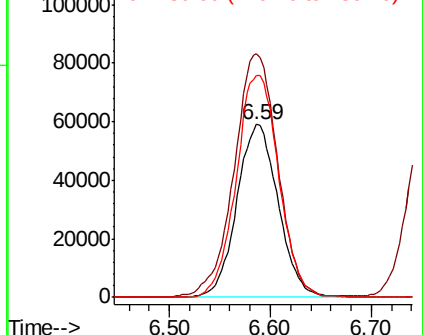
130 132.7 0.0 329.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 156.833 ug/l

RT: 1.82 min Scan# 14

Delta R.T. -0.00 min

Lab File: VN057168.D

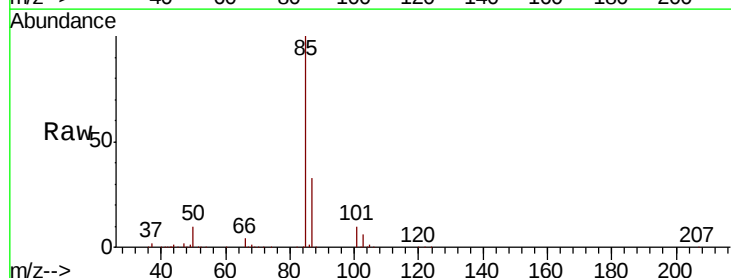
Acq: 10 Aug 2019 11:26

Tgt Ion: 85 Resp: 1434477

Ion Ratio Lower Upper

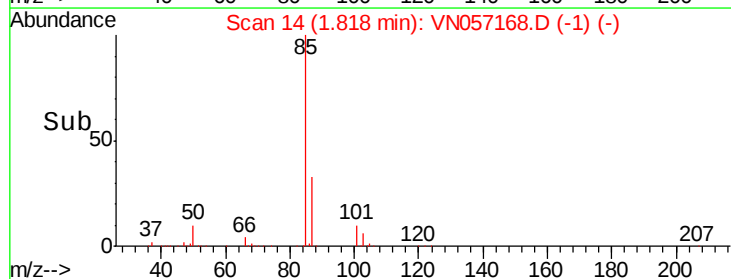
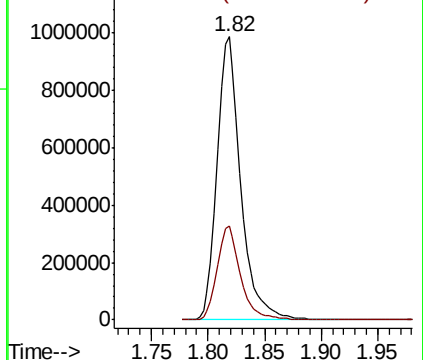
85 100

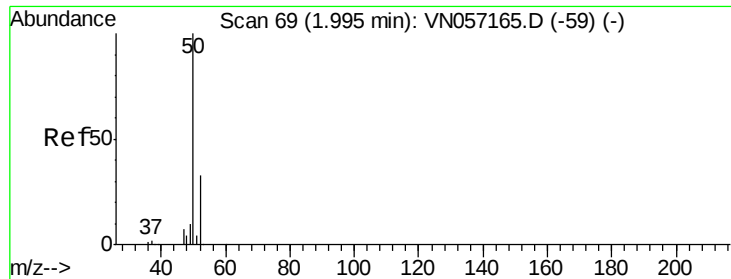
87 33.3 16.5 49.5



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 157.300 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

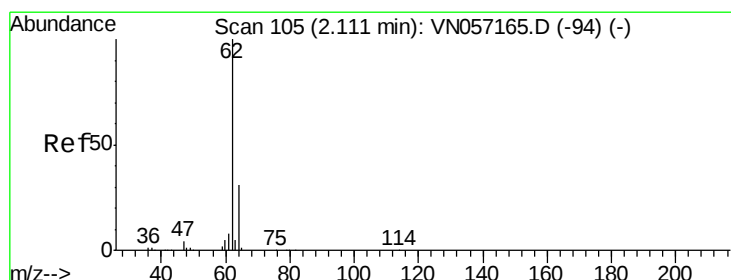
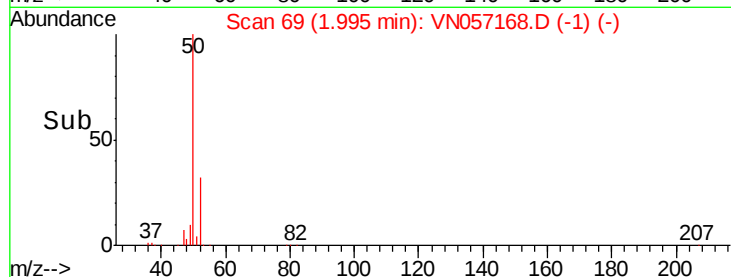
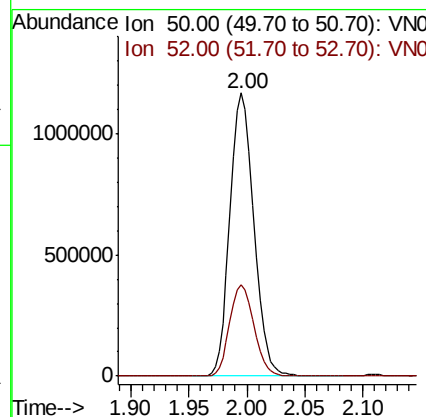
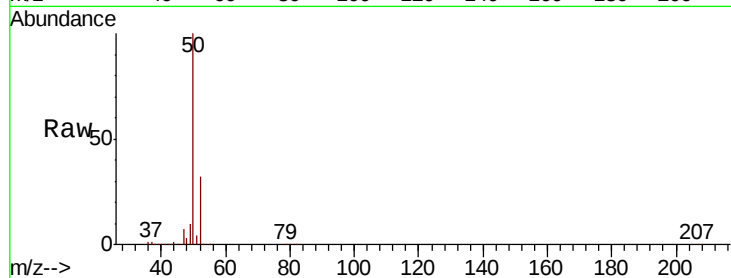
VSTDIC150

Tgt Ion: 50 Resp: 1666618

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 157.231 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057168.D

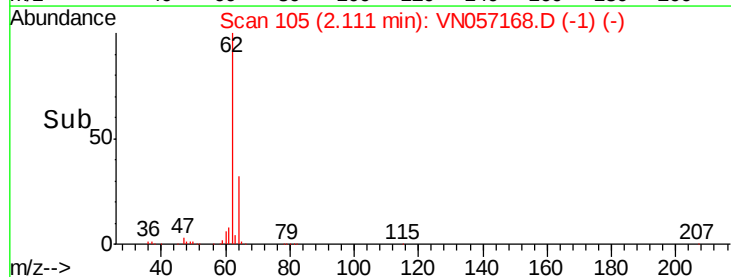
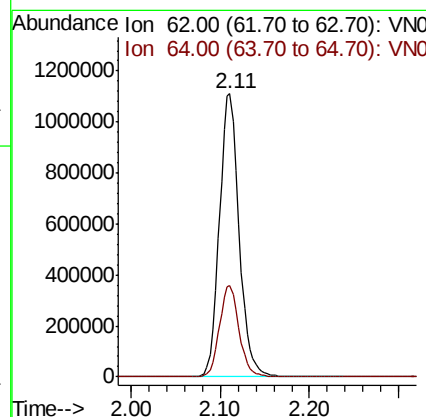
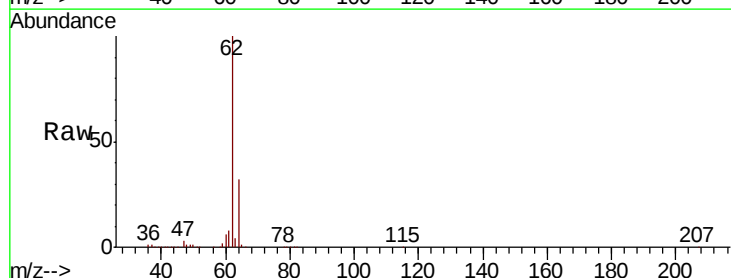
Acq: 10 Aug 2019 11:26

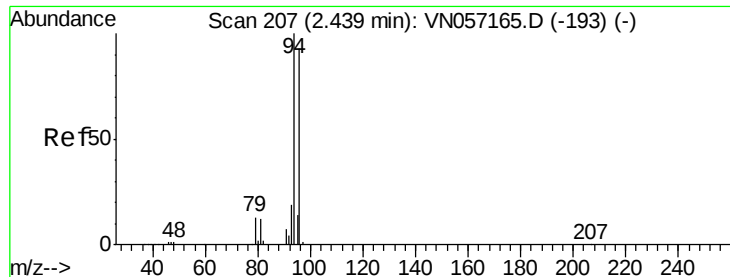
Tgt Ion: 62 Resp: 1694745

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 153.339 ug/l

RT: 2.42 min Scan# 201

Delta R.T. -0.02 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

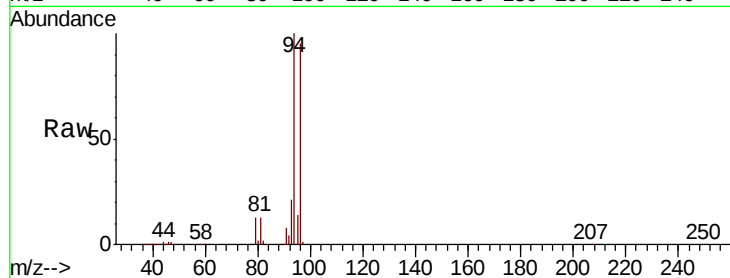
VSTDIC150

Tgt Ion: 94 Resp: 1177378

Ion Ratio Lower Upper

94 100

96 94.6 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN057168.D (-207) (-)

Ion 96.00 (95.70 to 96.70): VN057168.D (-207) (-)

2.42

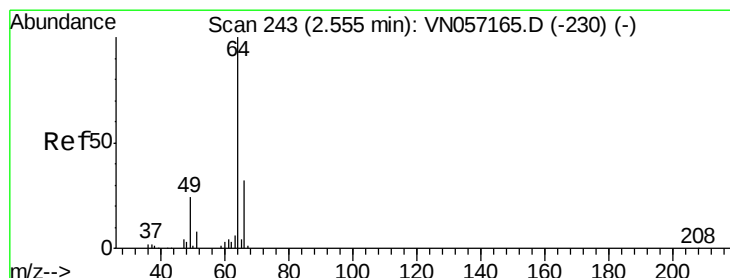
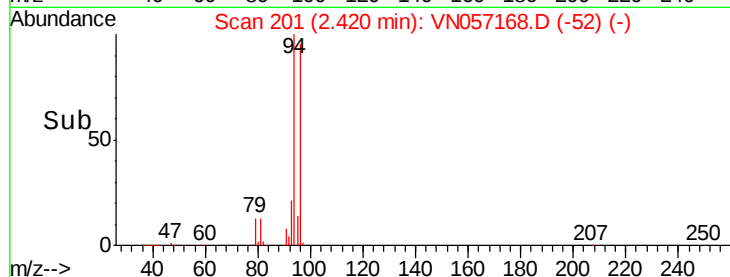
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 154.619 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN057168.D

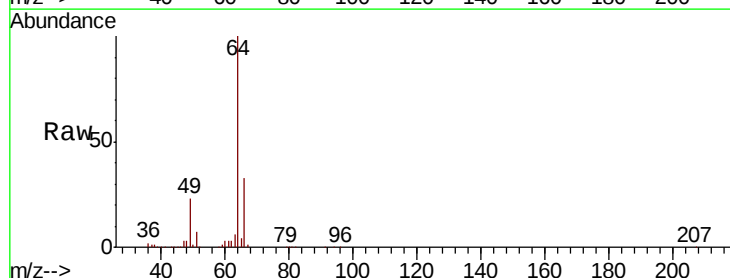
Acq: 10 Aug 2019 11:26

Tgt Ion: 64 Resp: 1080716

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN057168.D (-240) (-)

Ion 66.00 (65.70 to 66.70): VN057168.D (-240) (-)

2.54

600000

500000

400000

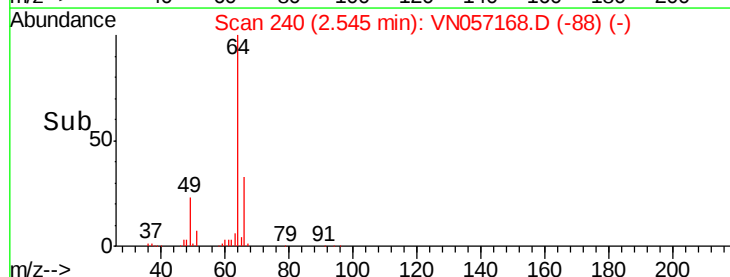
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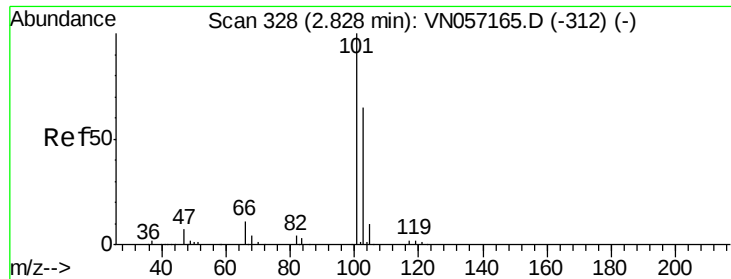
200000

100000

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Time-->



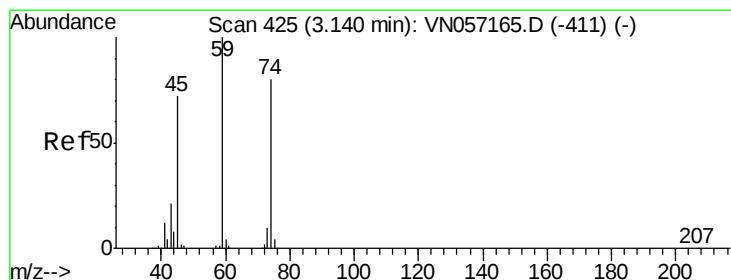
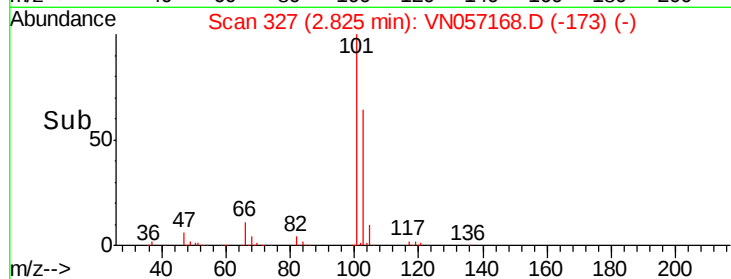
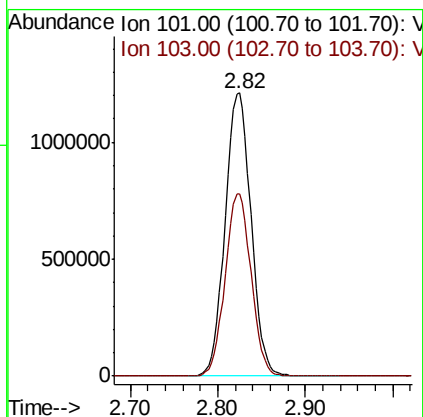
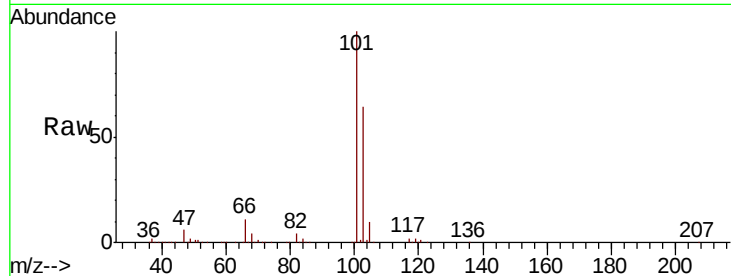


#7

Trichlorofluoromethane
 Concen: 155.156 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Instrument :
 MSVOA_N
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 VSTDIC150

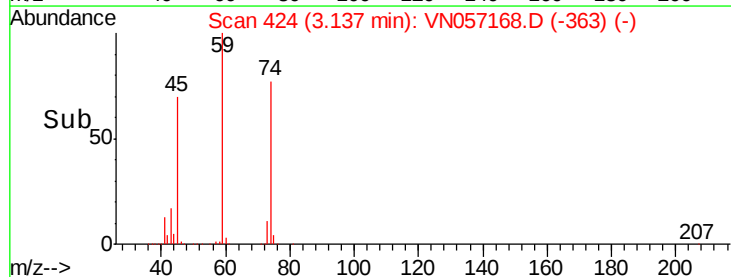
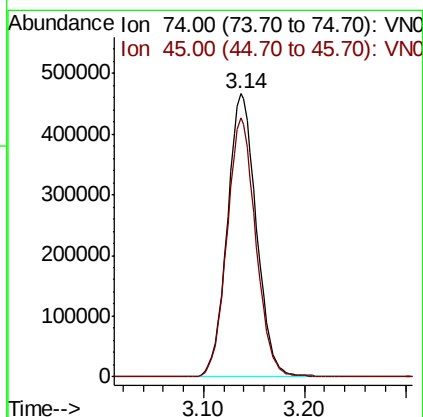
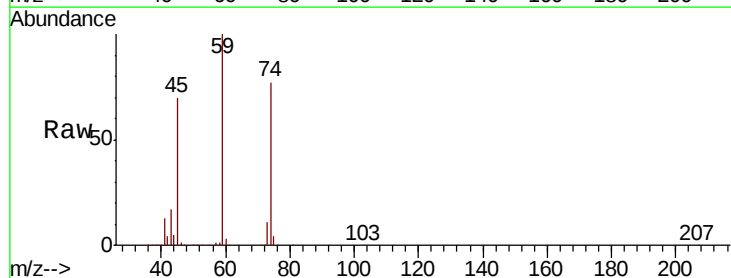
Tgt Ion:101 Resp: 2493668
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

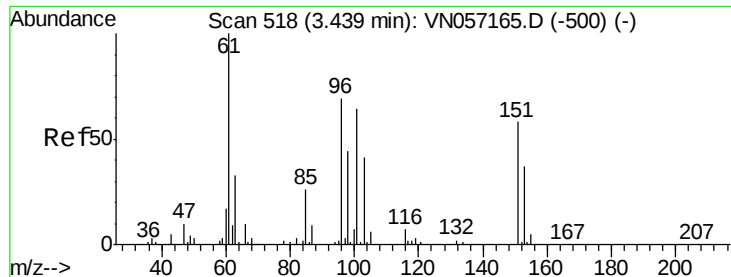


#8

Diethyl Ether
 Concen: 156.299 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 74 Resp: 936253
 Ion Ratio Lower Upper
 74 100
 45 90.4 17.9 161.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.053 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

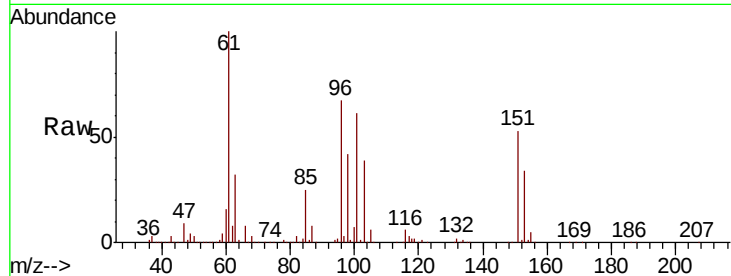
Tgt Ion:101 Resp: 1487958

Ion Ratio Lower Upper

101 100

85 40.9 0.0 84.4

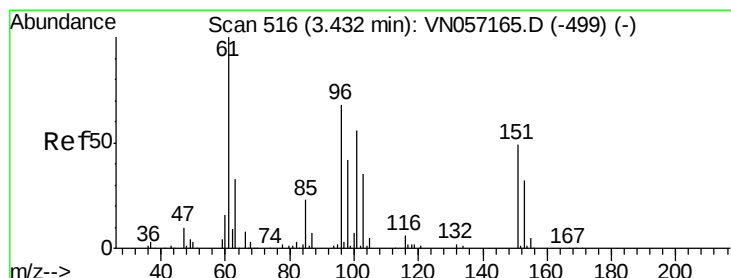
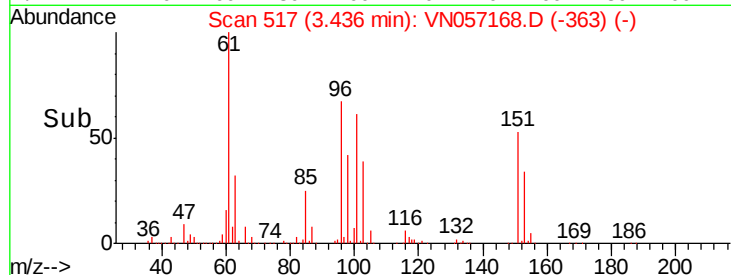
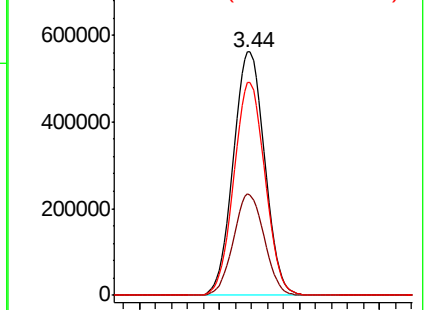
151 86.9 0.0 175.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 155.616 ug/l

RT: 3.43 min Scan# 515

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

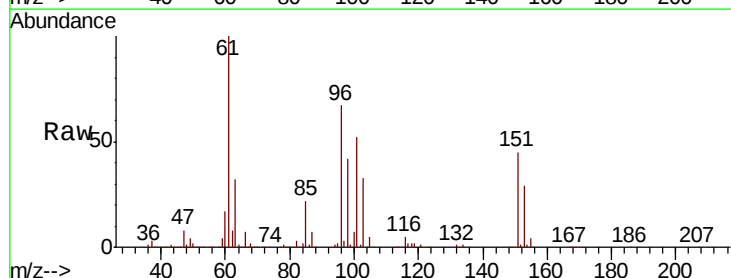
Tgt Ion: 96 Resp: 1495801

Ion Ratio Lower Upper

96 100

61 149.7 118.2 177.2

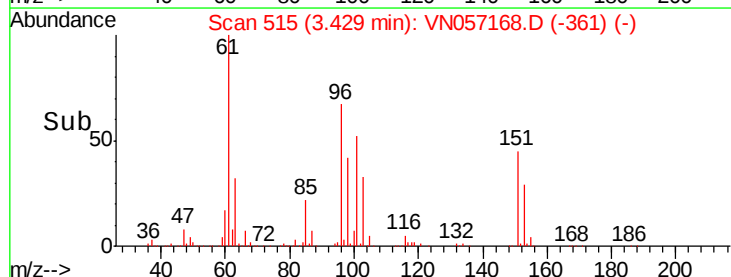
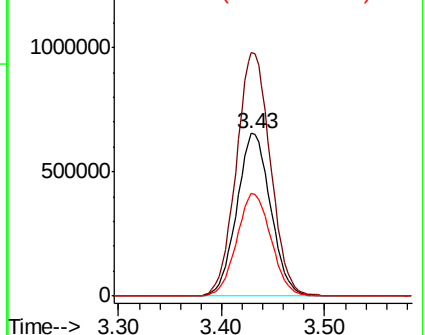
98 63.2 49.3 73.9

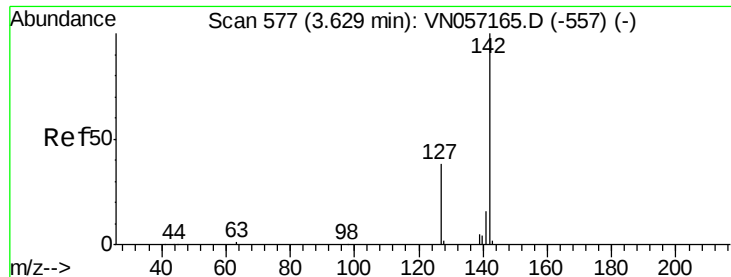


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

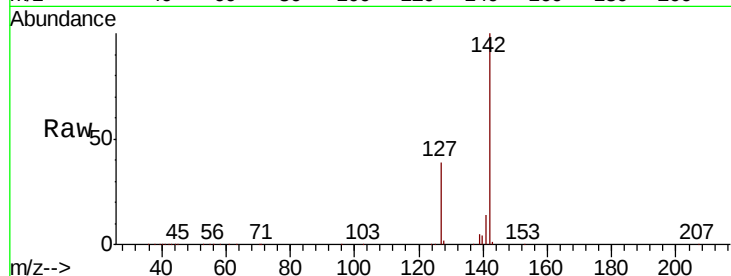




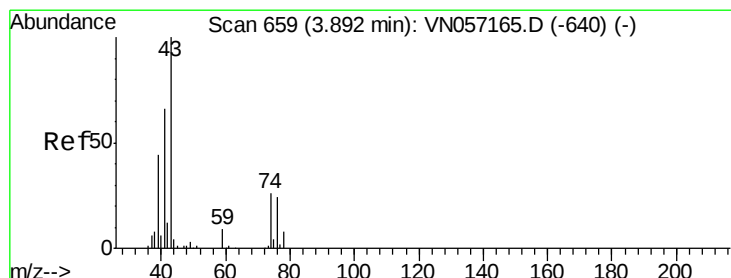
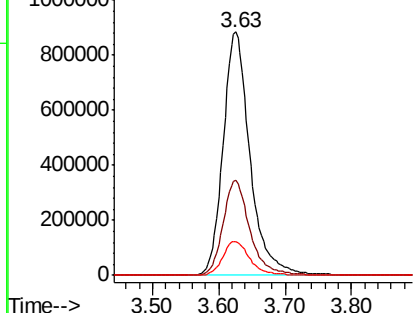
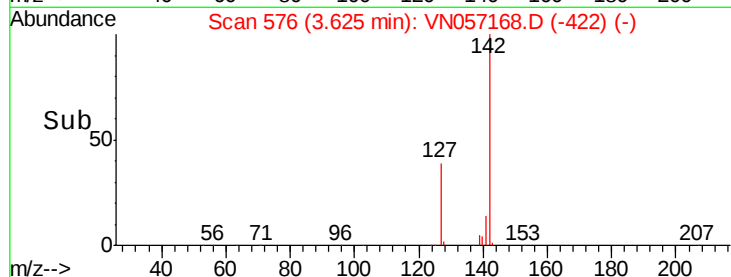
#11
Methyl Iodide
Concen: 166.247 ug/l
RT: 3.63 min Scan# 576
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:142 Resp: 2493459
Ion Ratio Lower Upper
142 100
127 38.8 19.0 57.0
141 13.8 7.8 23.5

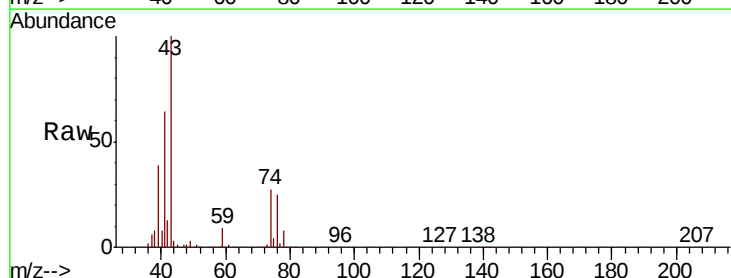


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

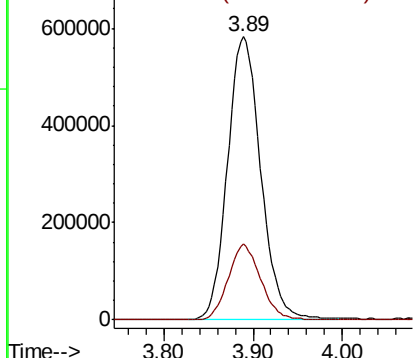
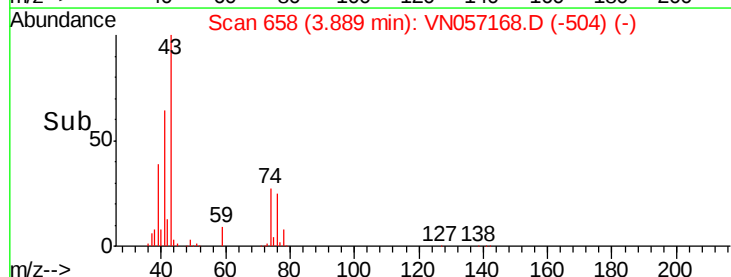


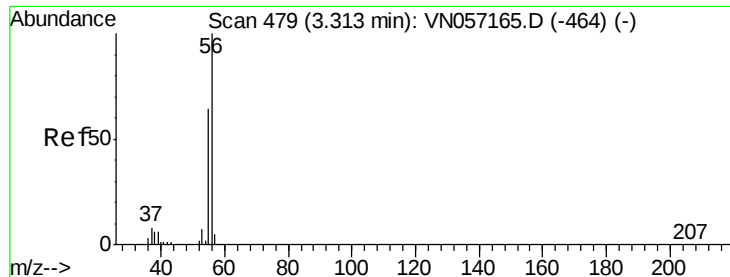
#12
Methyl Acetate
Concen: 149.025 ug/l
RT: 3.89 min Scan# 658
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 43 Resp: 1492175
Ion Ratio Lower Upper
43 100
74 26.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 769.854 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.01 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

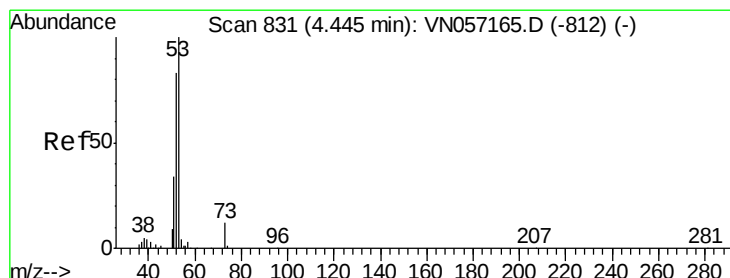
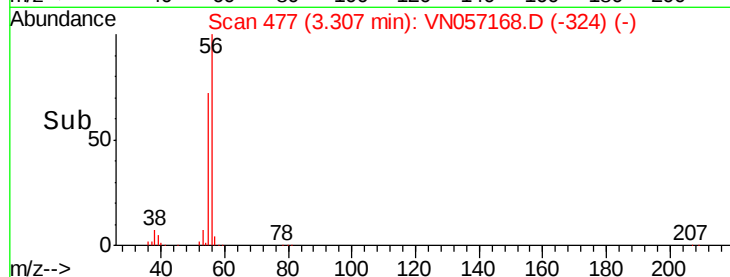
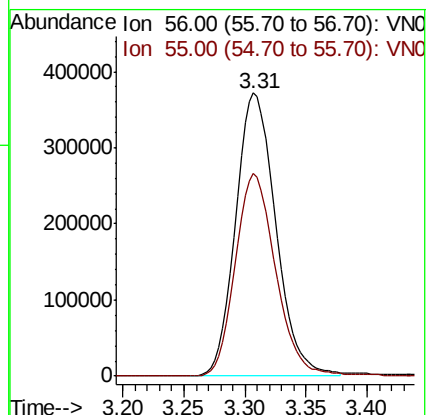
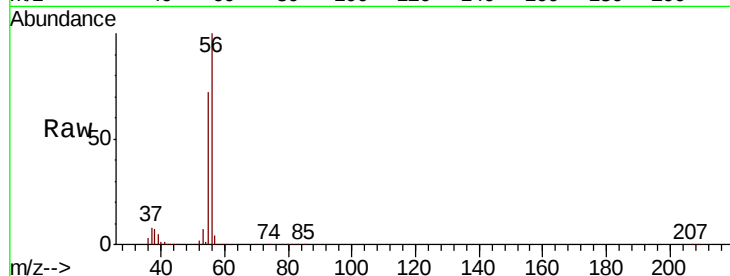
VSTDIC150

Tgt Ion: 56 Resp: 850114

Ion Ratio Lower Upper

56 100

55 72.0 56.5 84.7



#14

Acrylonitrile

Concen: 800.390 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

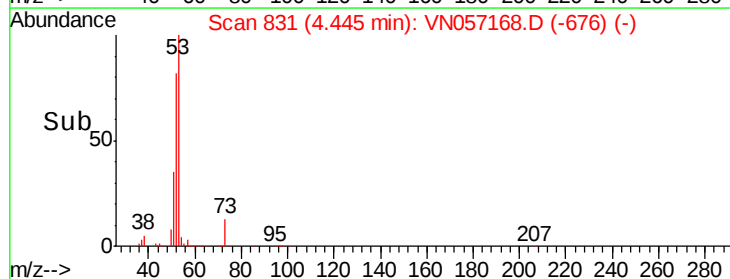
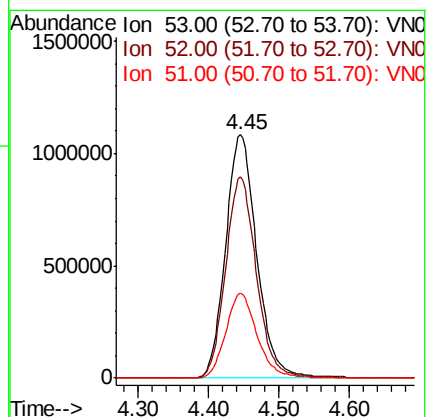
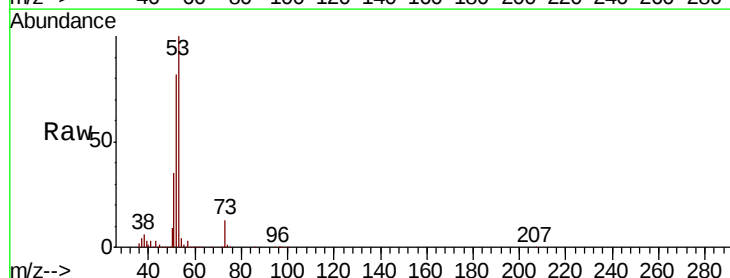
Tgt Ion: 53 Resp: 3343648

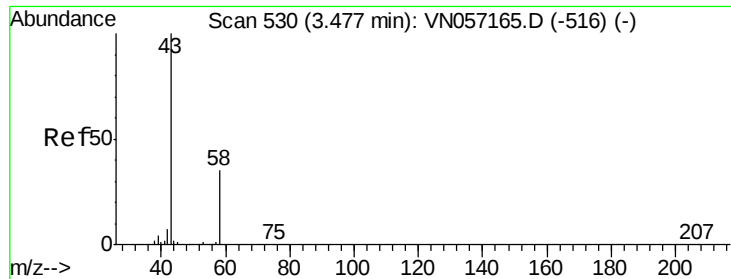
Ion Ratio Lower Upper

53 100

52 81.6 41.1 123.4

51 35.1 17.4 52.3





#15

Acetone

Concen: 709.309 ug/l

RT: 3.48 min Scan# 530

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

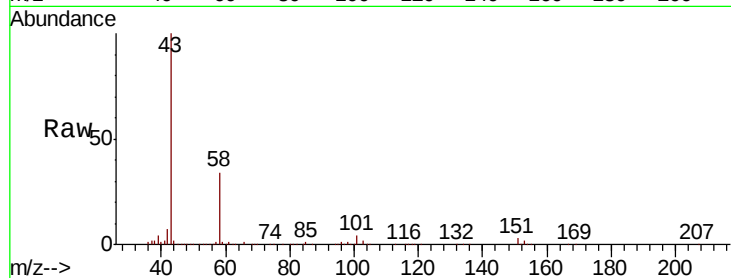
VSTDIC150

Tgt Ion: 58 Resp: 983420

Ion Ratio Lower Upper

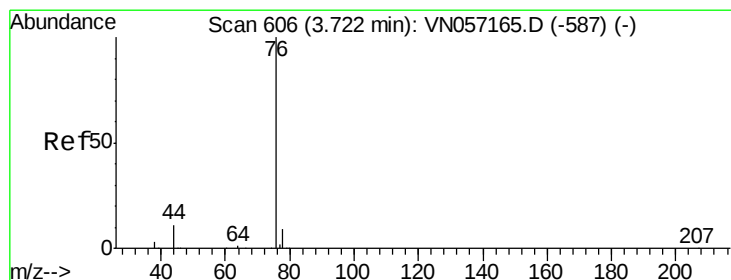
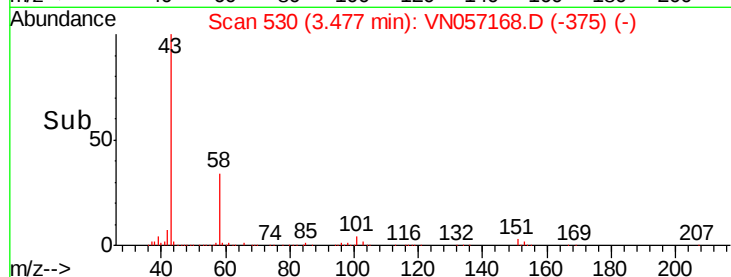
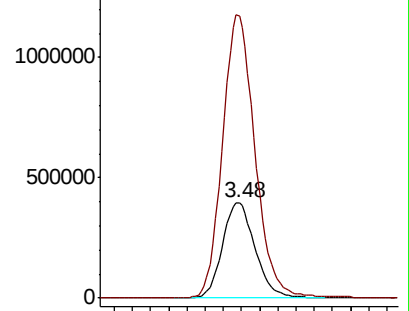
58 100

43 294.7 226.2 339.2



Abundance Ion 58.00 (57.70 to 58.70): VN057168.D (-375) (-)

Ion 43.00 (42.70 to 43.70): VN057168.D (-375) (-)



#16

Carbon Disulfide

Concen: 160.816 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057168.D

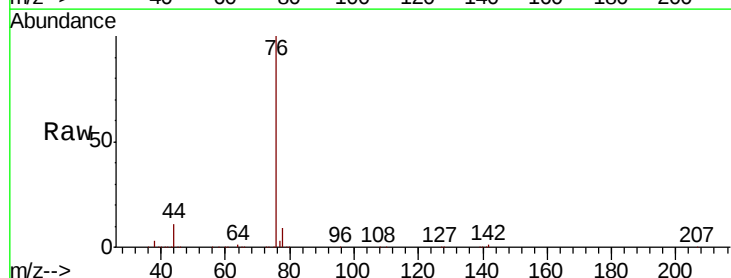
Acq: 10 Aug 2019 11:26

Tgt Ion: 76 Resp: 4170204

Ion Ratio Lower Upper

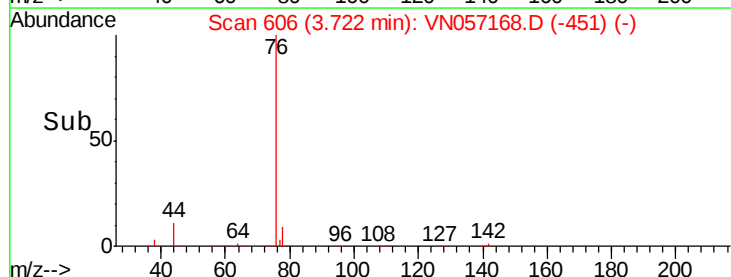
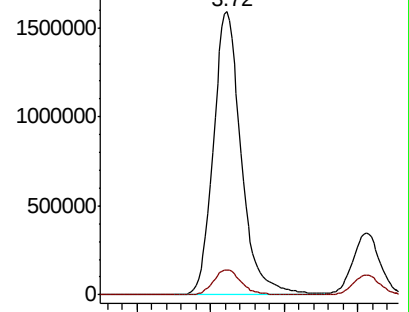
76 100

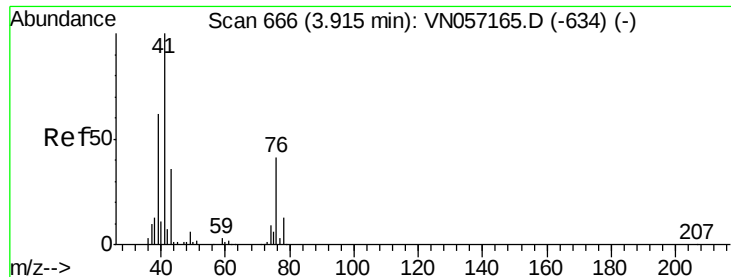
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN057168.D (-451) (-)

Ion 78.00 (77.70 to 78.70): VN057168.D (-451) (-)

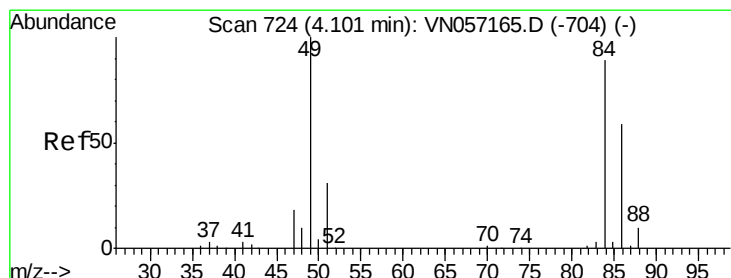
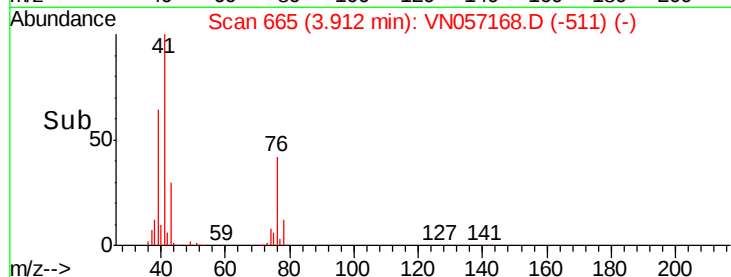
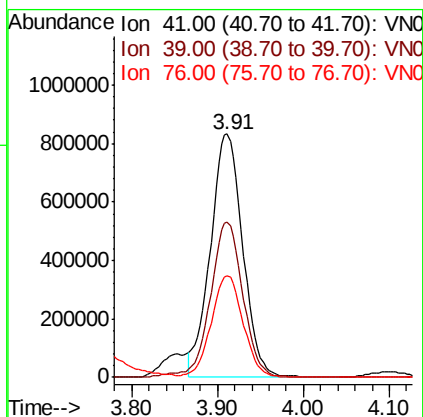
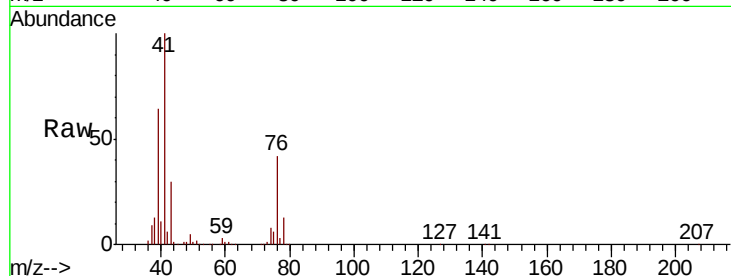




#17
 Allyl chloride
 Concen: 153.807 ug/l
 RT: 3.91 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

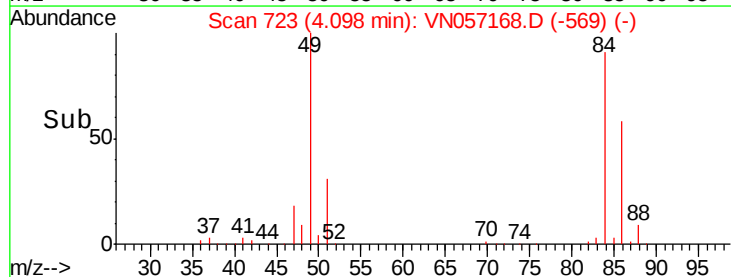
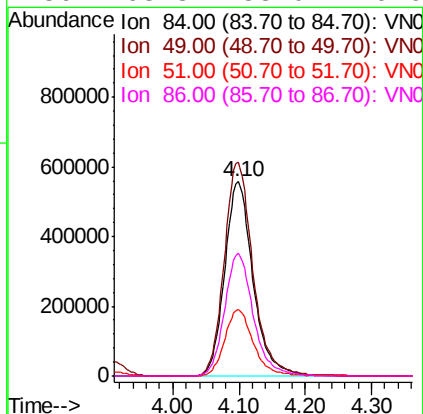
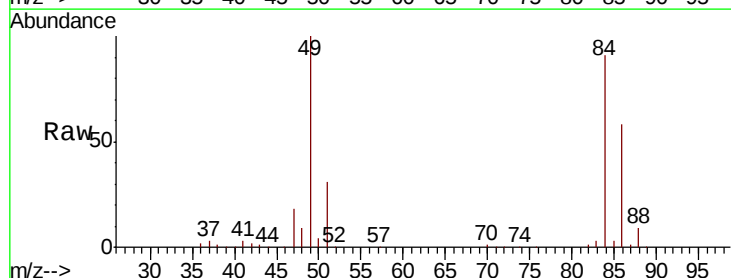
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

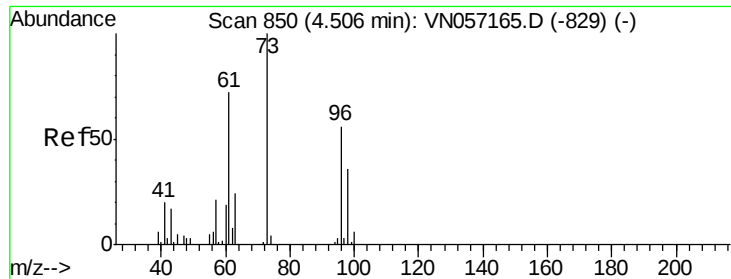
Tgt Ion: 41 Resp: 2179546
 Ion Ratio Lower Upper
 41 100
 39 63.9 31.2 93.6
 76 41.8 20.5 61.6



#18
 Methylene Chloride
 Concen: 152.092 ug/l
 RT: 4.10 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 84 Resp: 1657395
 Ion Ratio Lower Upper
 84 100
 49 110.0 90.1 135.1
 51 34.1 27.9 41.9
 86 63.3 53.0 79.6

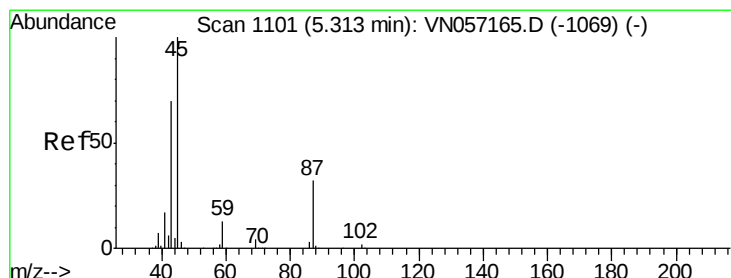
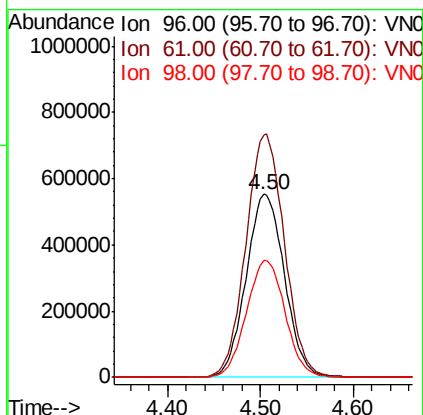
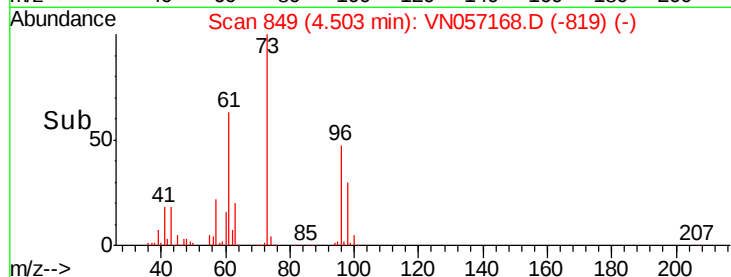
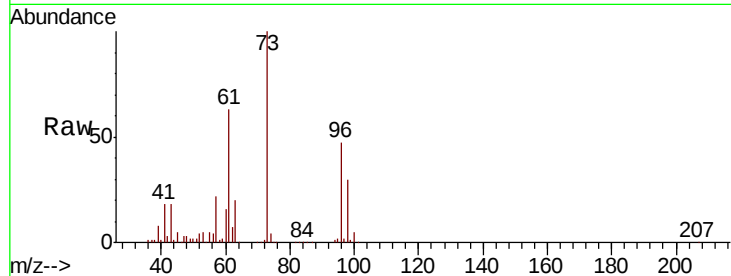




#19
trans-1,2-Dichloroethene
Concen: 154.513 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

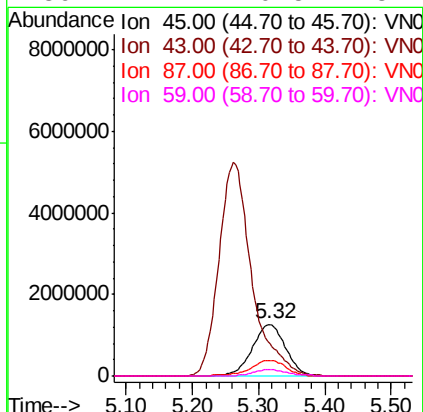
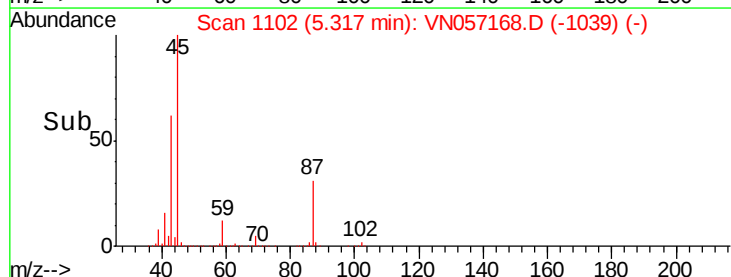
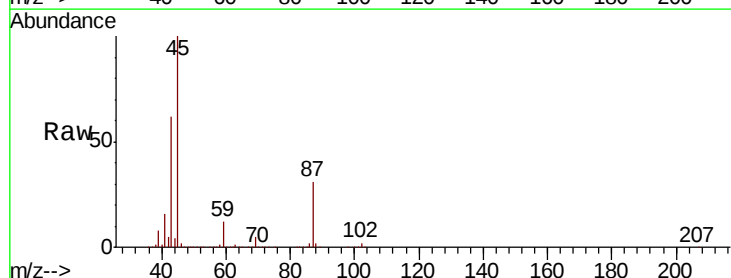
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

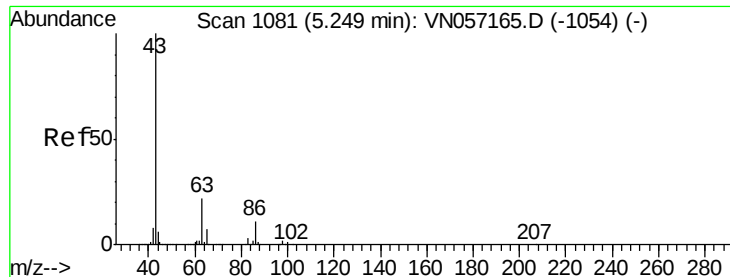
Tgt Ion: 96 Resp: 1592237
Ion Ratio Lower Upper
96 100
61 132.8 103.6 155.4
98 63.6 51.3 76.9



#20
Diisopropyl ether
Concen: 152.990 ug/l
RT: 5.32 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 45 Resp: 4421438
Ion Ratio Lower Upper
45 100
43 61.5 60.0 90.0
87 30.9 25.9 38.9
59 12.2 10.5 15.7

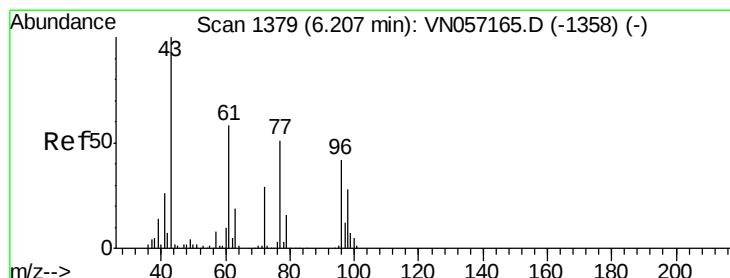
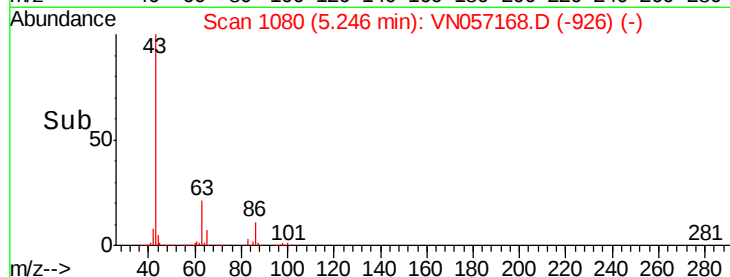
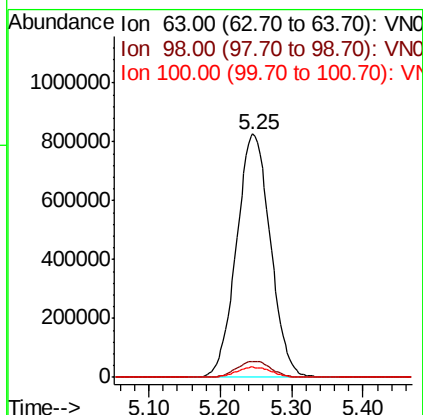
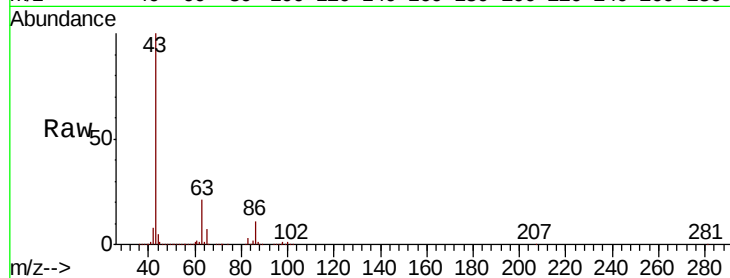




#21
 1,1-Dichloroethane
 Concen: 151.904 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

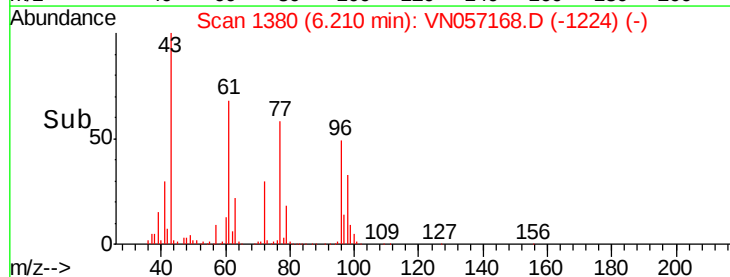
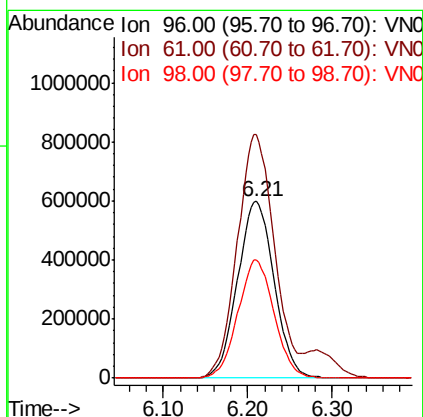
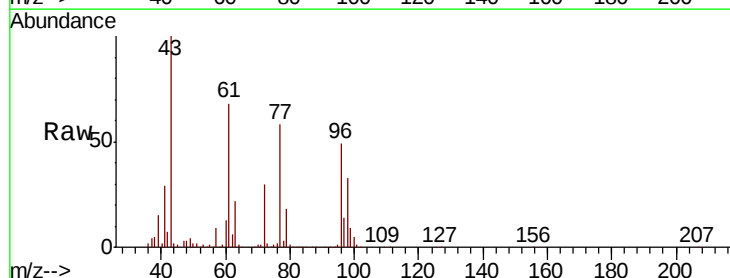
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

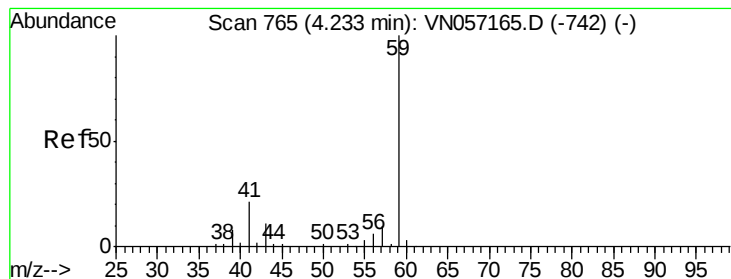
Tgt Ion: 63 Resp: 2734243
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.4
 100 4.2 1.9 5.7



#22
 cis-1,2-Dichloroethene
 Concen: 154.307 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 96 Resp: 1809834
 Ion Ratio Lower Upper
 96 100
 61 139.1 109.2 163.8
 98 65.8 51.7 77.5



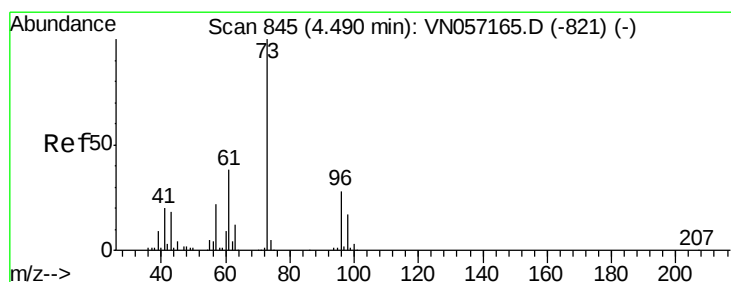
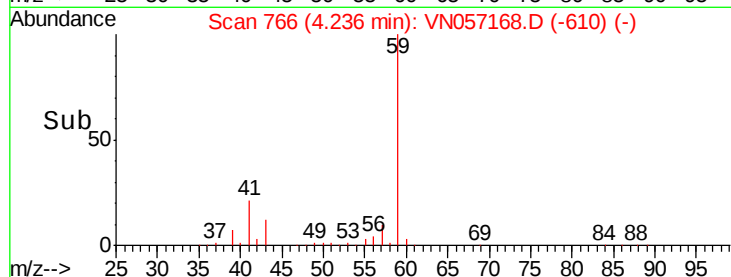
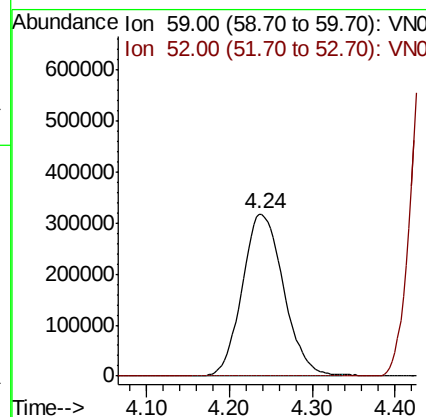
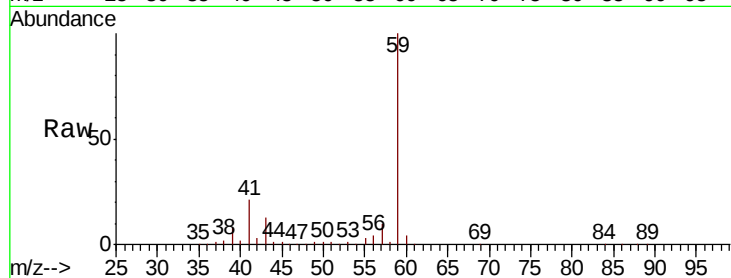


#23

tert-Butyl Alcohol
 Concen: 799.113 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

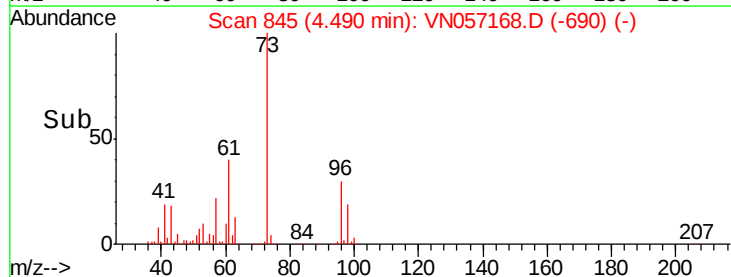
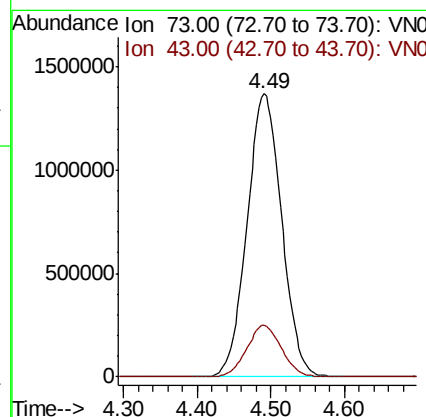
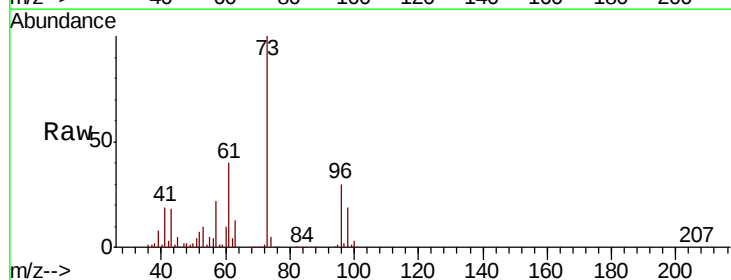
Tgt Ion: 59 Resp: 1101597
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

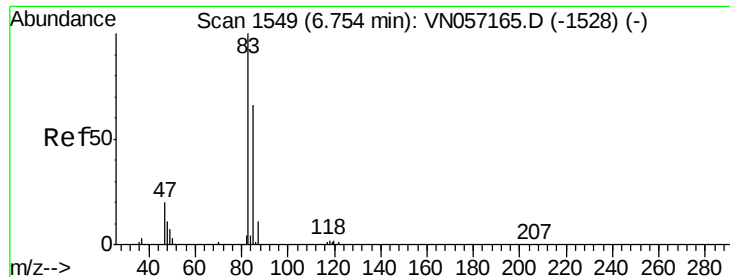


#24

Methyl tert-Butyl Ether
 Concen: 158.400 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 73 Resp: 4477271
 Ion Ratio Lower Upper
 73 100
 43 18.2 14.3 21.5





#25

Chloroform

Concen: 151.930 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

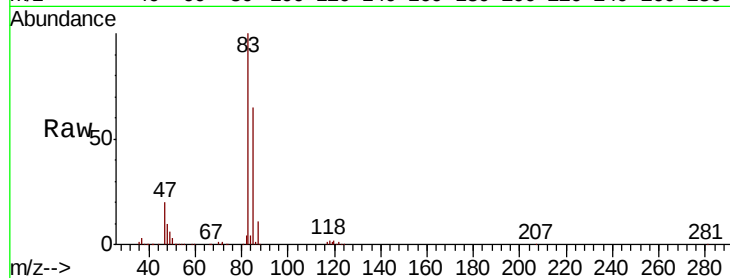
VSTDIC150

Tgt Ion: 83 Resp: 2811956

Ion Ratio Lower Upper

83 100

85 65.4 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VN057168.D (-1394) (-)

Ion 85.00 (84.70 to 85.70): VN057168.D (-1394) (-)

1200000

1000000

800000

600000

400000

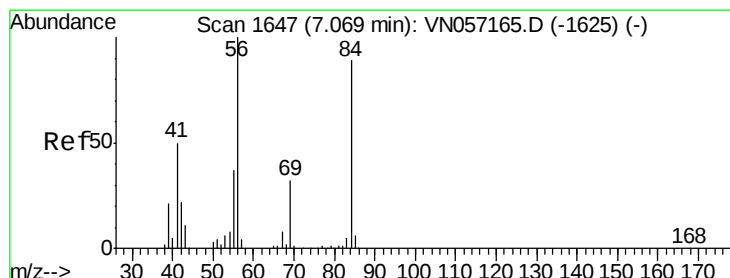
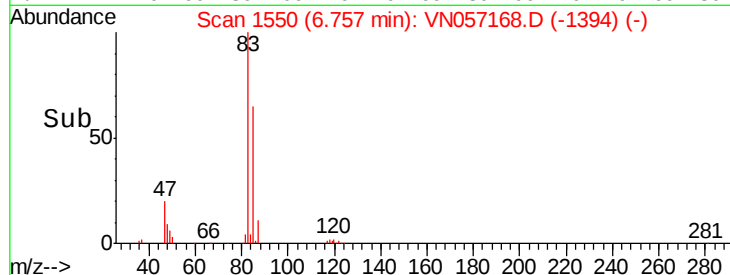
200000

0

6.60 6.70 6.80 6.90

6.76

Time-->



#26

Cyclohexane

Concen: 155.921 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

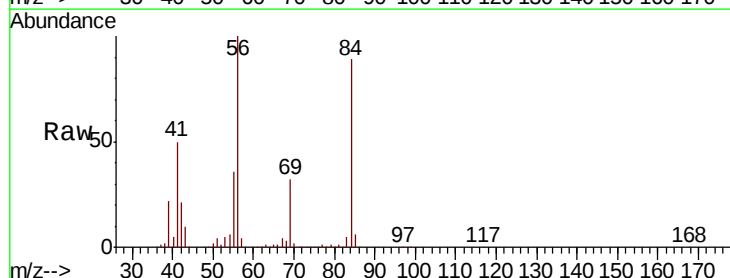
Tgt Ion: 56 Resp: 2399221

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.1 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VN057168.D (-1492) (-)

Ion 89.00 (88.70 to 89.70): VN057168.D (-1492) (-)

Ion 84.00 (83.70 to 84.70): VN057168.D (-1492) (-)

1500000

1000000

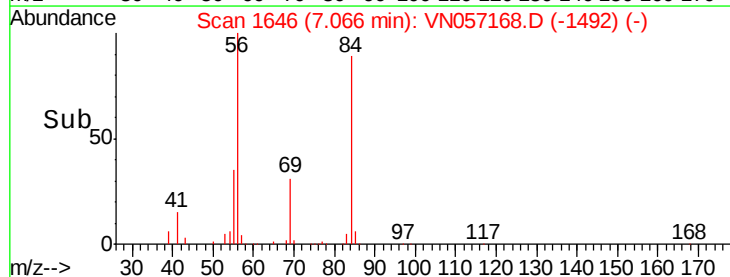
500000

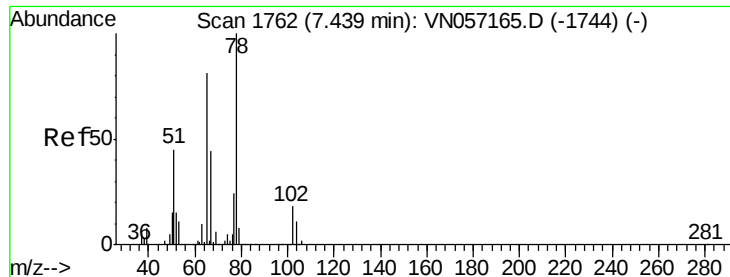
0

6.95 7.00 7.05 7.10 7.15

7.07

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.480 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

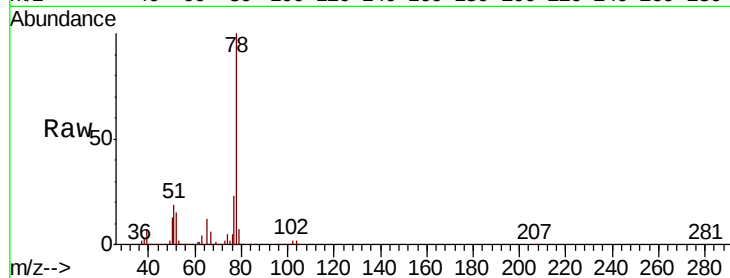
VSTDIC150

Tgt Ion: 65 Resp: 333170

Ion Ratio Lower Upper

65 100

67 54.3 42.4 63.6



Abundance Ion 65.00 (64.70 to 65.70): VN057168.D (-1607) (-)

Ion 67.00 (66.70 to 67.70): VN057168.D (-1607) (-)

7.44

150000

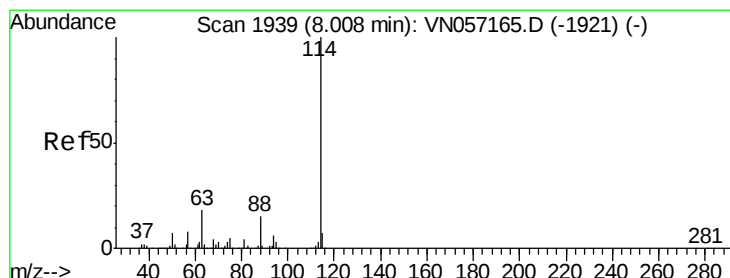
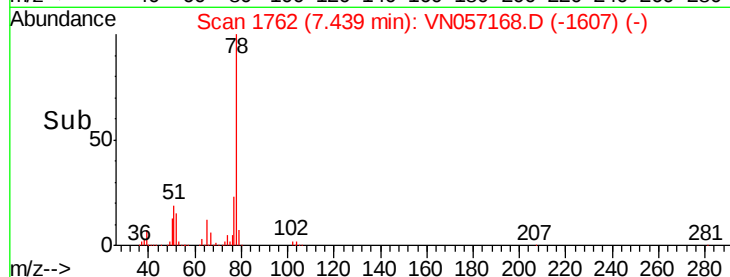
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

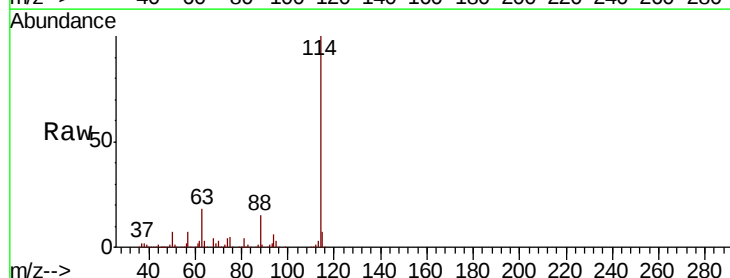
Tgt Ion: 114 Resp: 948193

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

88 15.0 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): VN057168.D (-1784) (-)

Ion 63.00 (62.70 to 63.70): VN057168.D (-1784) (-)

Ion 88.00 (87.70 to 88.70): VN057168.D (-1784) (-)

8.01

600000

500000

400000

300000

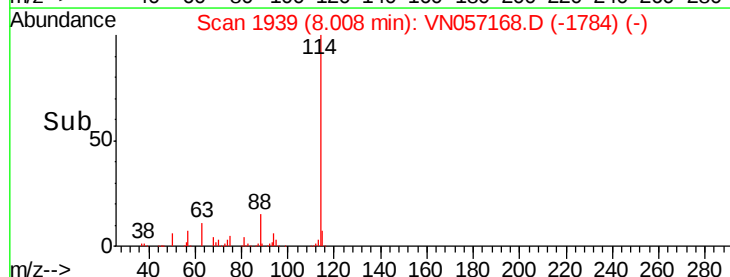
200000

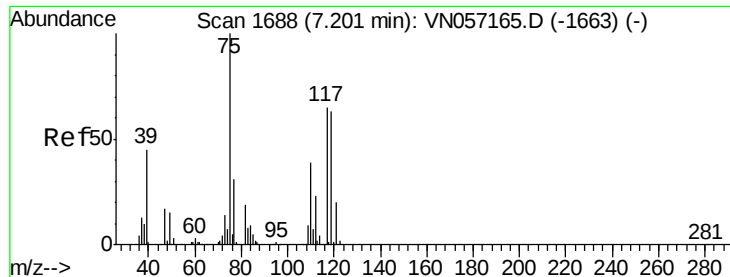
100000

0

7.90 7.95 8.00 8.05 8.10

Time-->





#29

1,1-Dichloropropene

Concen: 153.010 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

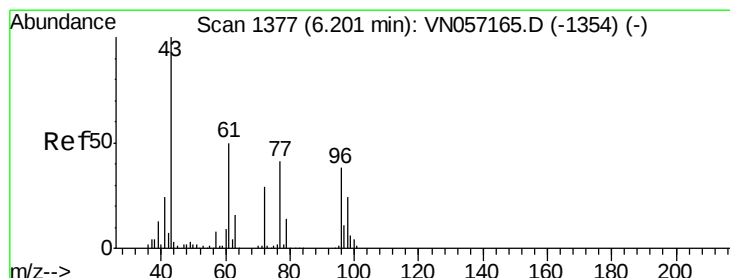
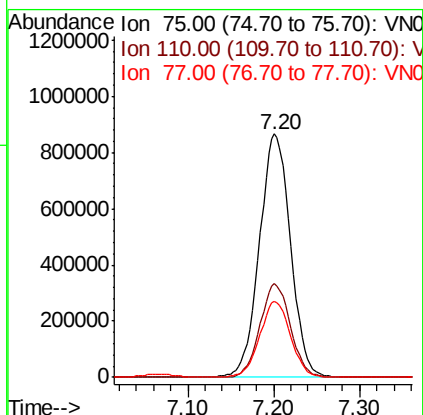
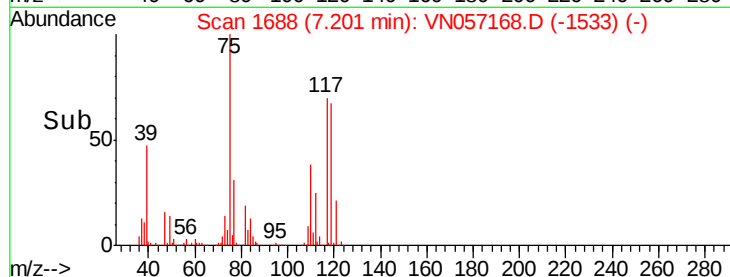
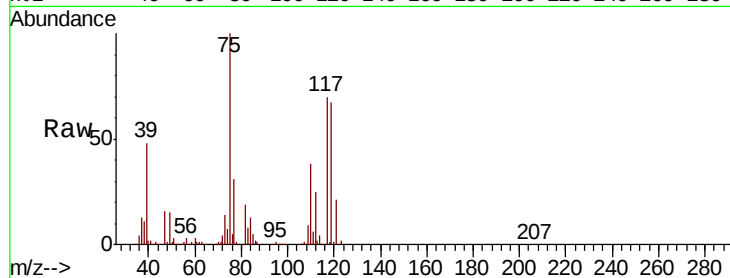
Tgt Ion: 75 Resp: 2181809

Ion Ratio Lower Upper

75 100

110 37.6 0.0 75.6

77 30.9 0.0 62.4



#30

2-Butanone

Concen: 752.459 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

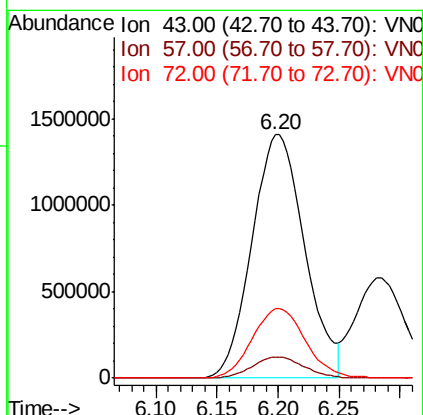
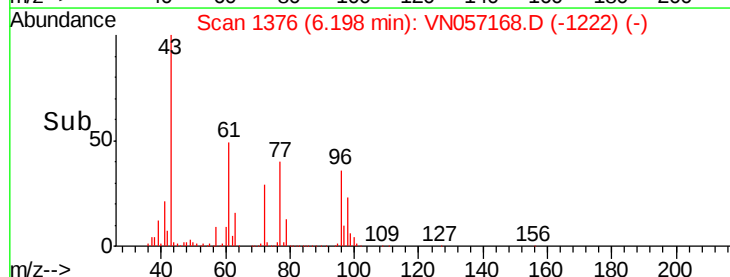
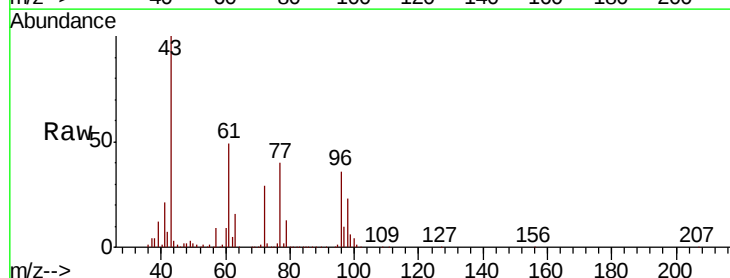
Tgt Ion: 43 Resp: 4224187

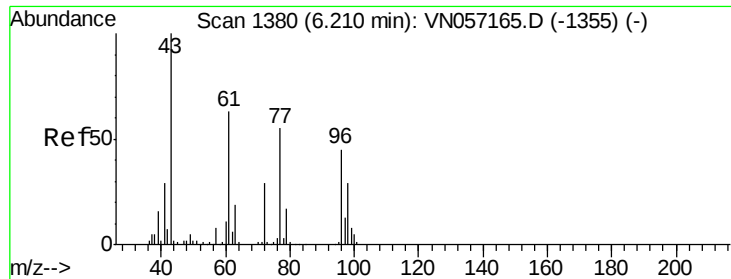
Ion Ratio Lower Upper

43 100

57 8.6 6.8 10.2

72 29.0 23.0 34.6

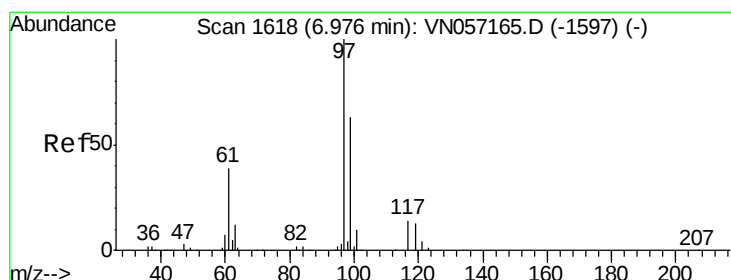
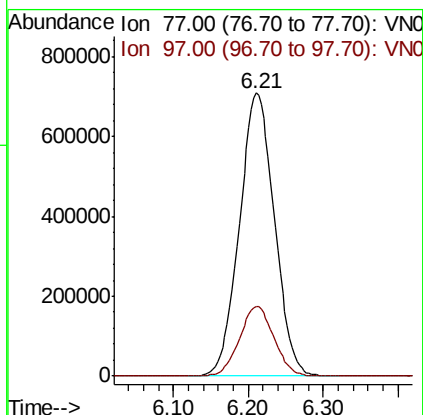
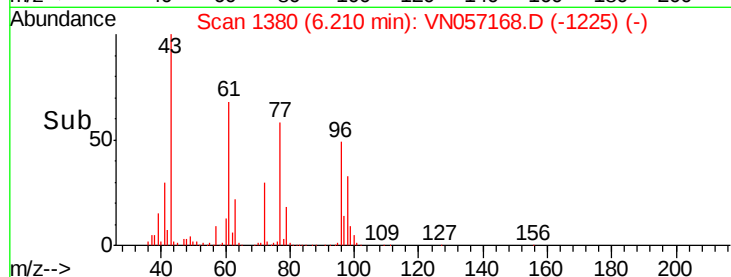
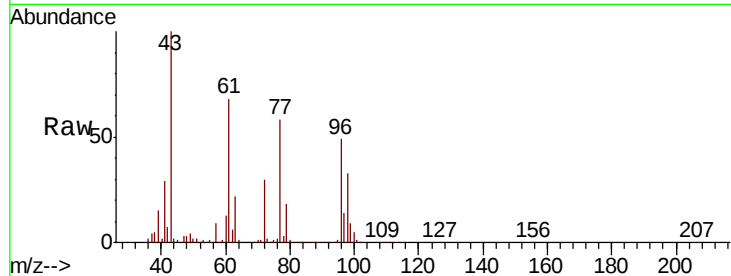




#31
 2,2-Dichloropropane
 Concen: 151.042 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

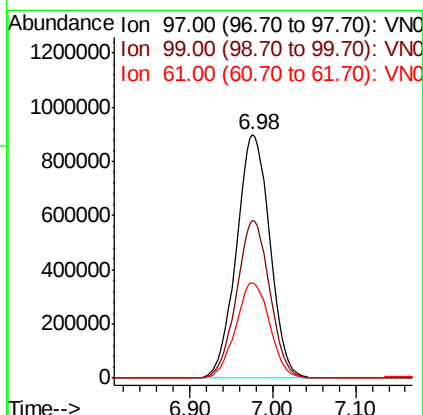
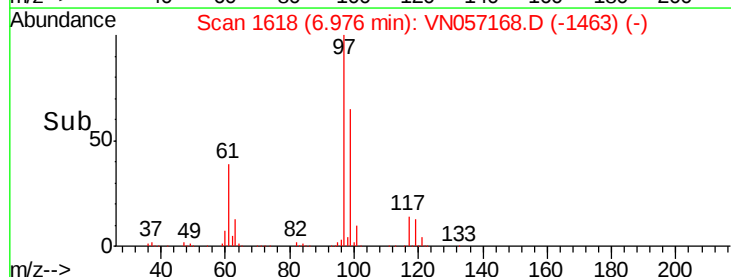
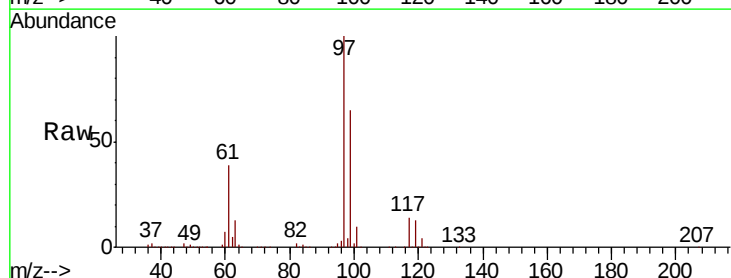
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

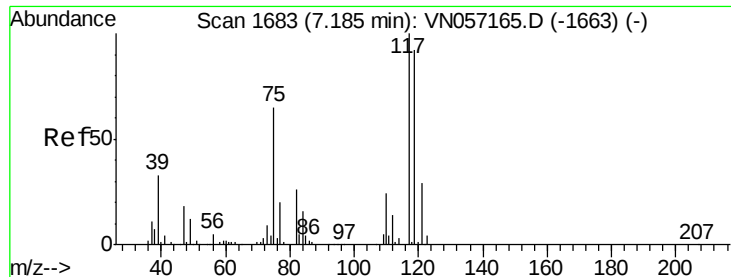
Tgt Ion: 77 Resp: 2302695
 Ion Ratio Lower Upper
 77 100
 97 24.3 19.4 29.2



#32
 1,1,1-Trichloroethane
 Concen: 152.778 ug/l
 RT: 6.98 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 97 Resp: 2522866
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.4 78.6
 61 39.6 32.3 48.5

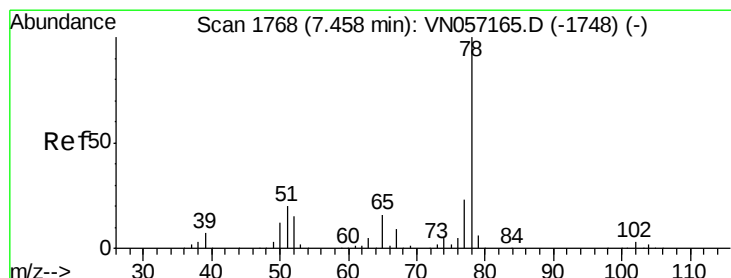
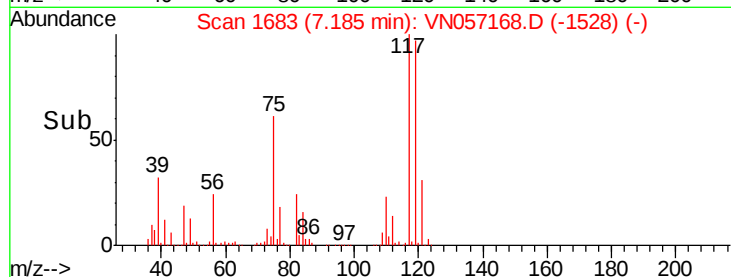
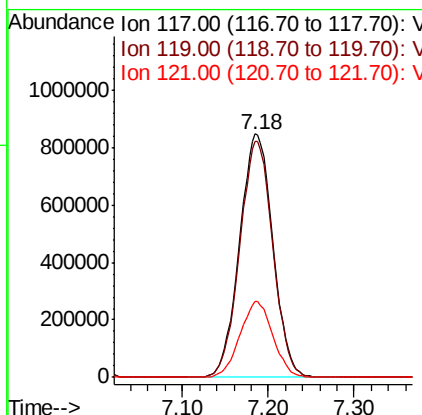
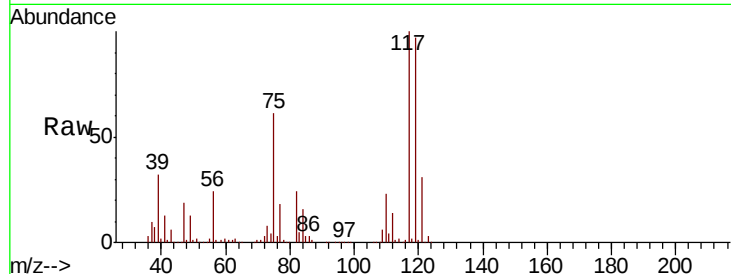




#33
Carbon Tetrachloride
Concen: 155.032 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

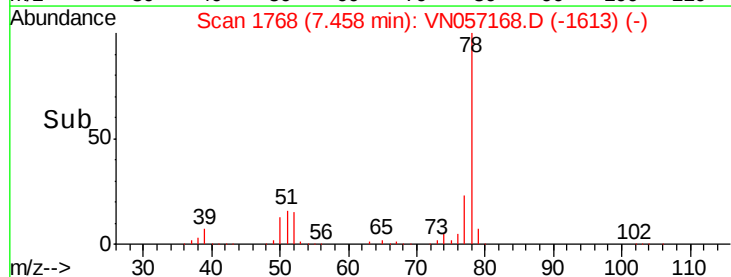
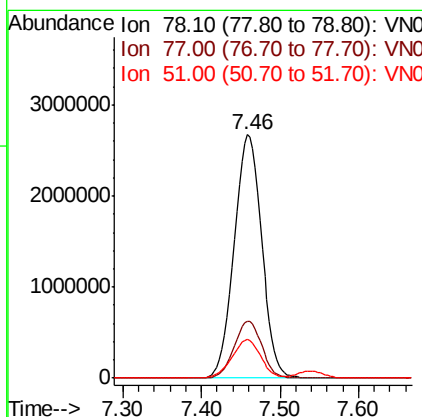
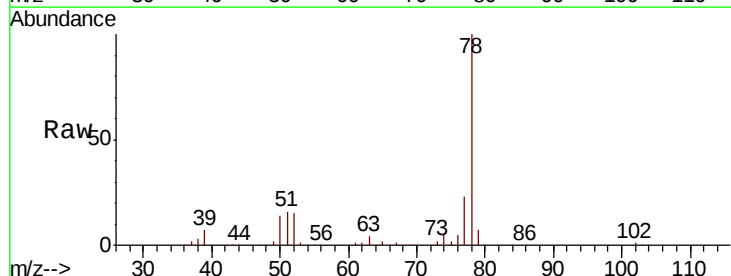
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

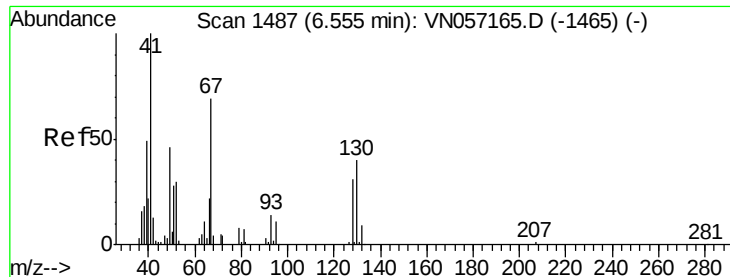
Tgt Ion:117 Resp: 2278932
Ion Ratio Lower Upper
117 100
119 97.1 73.9 110.9
121 30.9 23.4 35.2



#34
Benzene
Concen: 150.148 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 78 Resp: 6535457
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5
51 15.7 16.2 24.2#

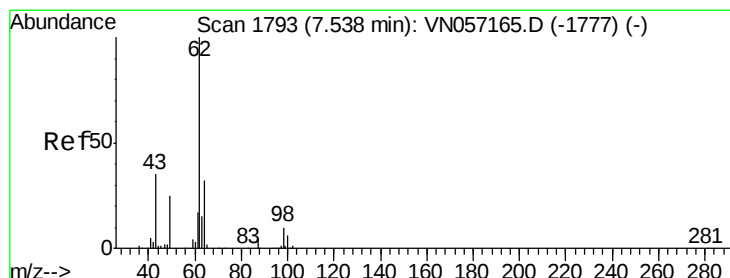
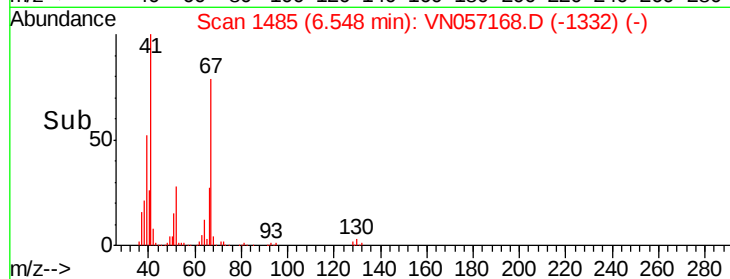
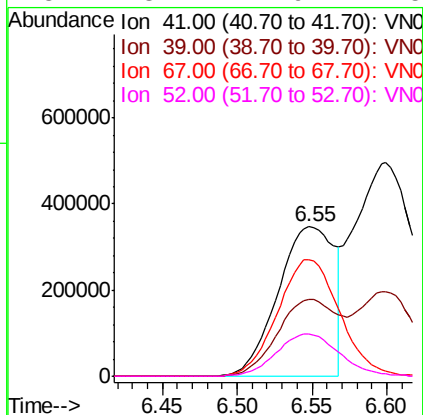
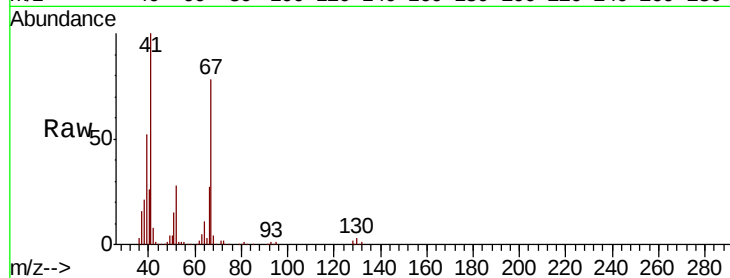




#35
Methacrylonitrile
Concen: 159.647 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

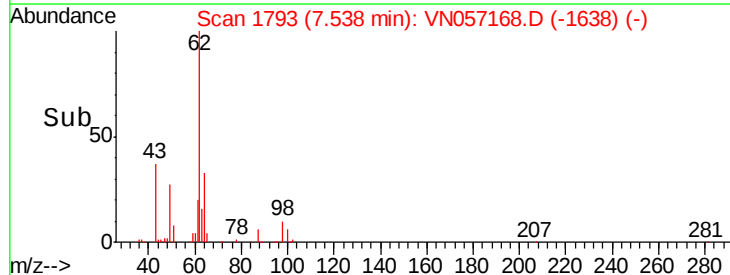
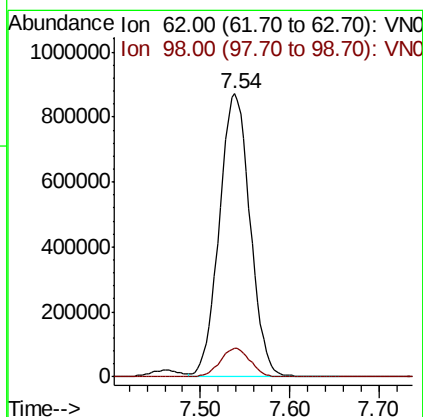
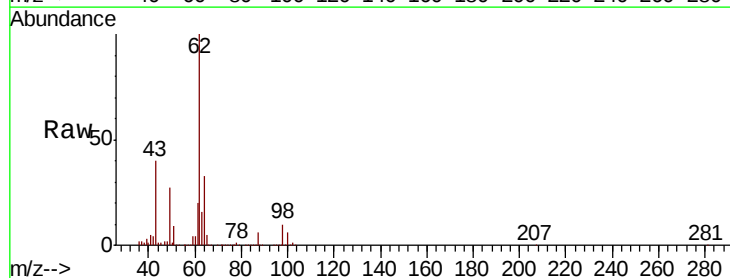
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

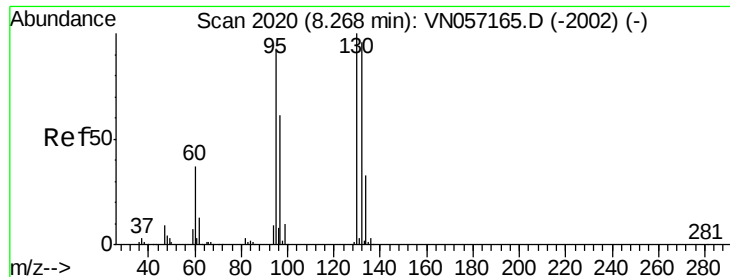
Tgt Ion:	41	Resp:	905805
Ion	Ratio	Lower	Upper
41	100		
39	51.8	24.6	74.0
67	78.5	34.4	103.2
52	28.2	14.9	44.5



#36
1,2-Dichloroethane
Concen: 149.674 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion:	62	Resp:	2081246
Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.2	12.4

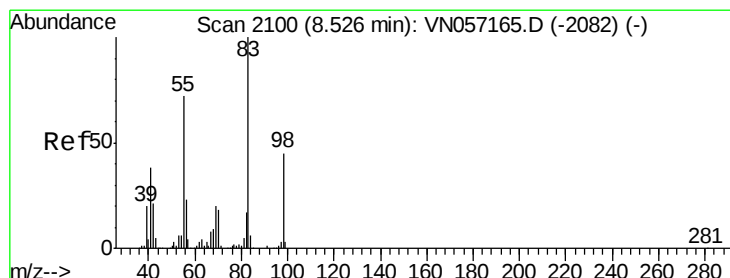
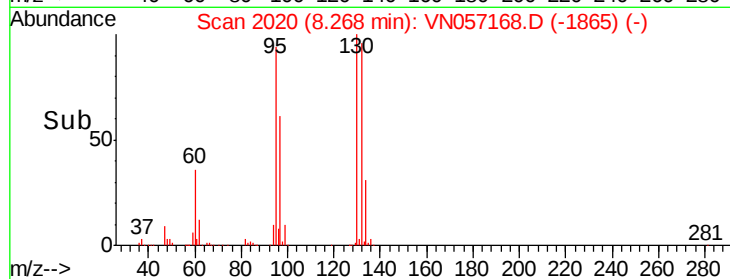
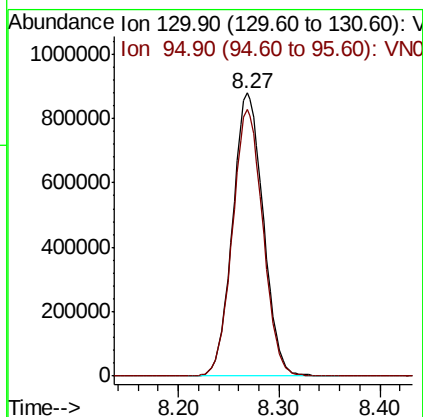
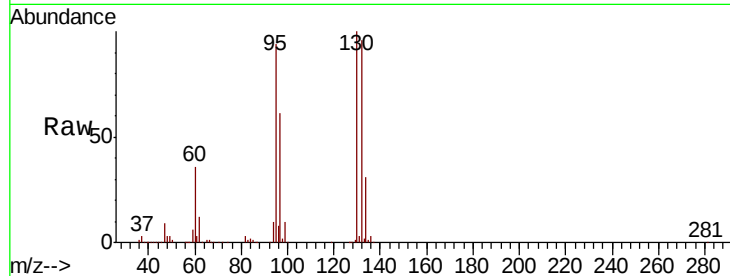




#37
 Trichloroethene
 Concen: 150.097 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

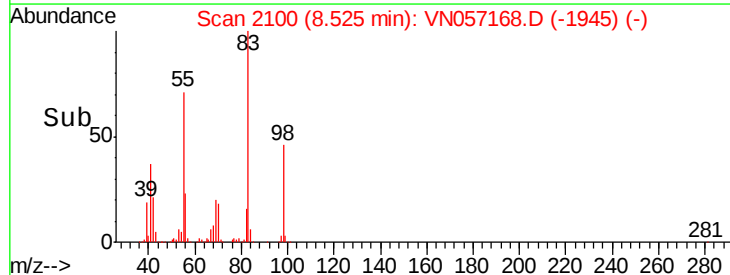
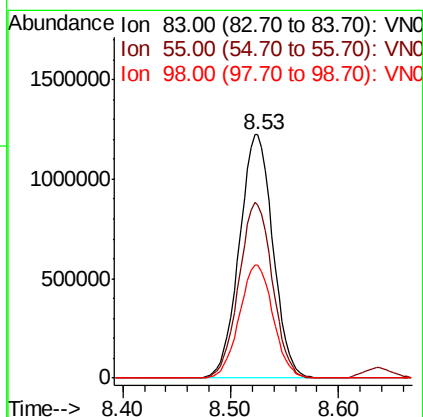
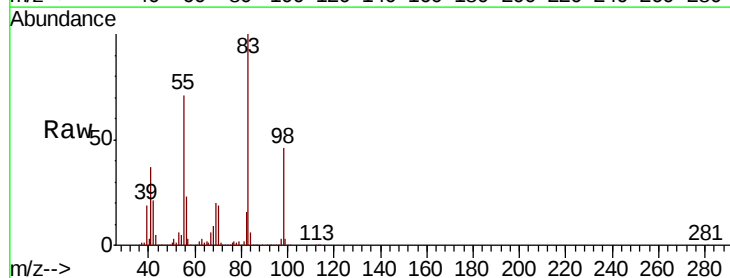
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

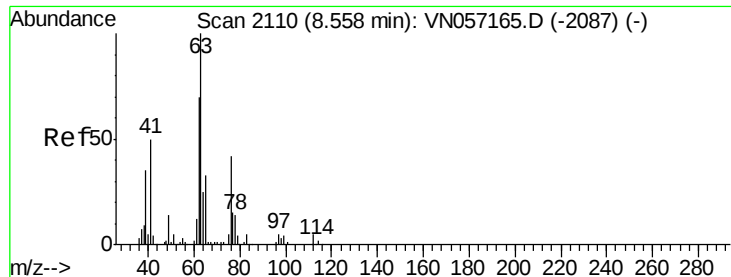
Tgt Ion:130 Resp: 1856516
 Ion Ratio Lower Upper
 130 100
 95 94.2 74.6 112.0



#38
 Methylcyclohexane
 Concen: 155.605 ug/l
 RT: 8.53 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 83 Resp: 2647751
 Ion Ratio Lower Upper
 83 100
 55 72.2 36.5 109.7
 98 46.7 23.4 70.0

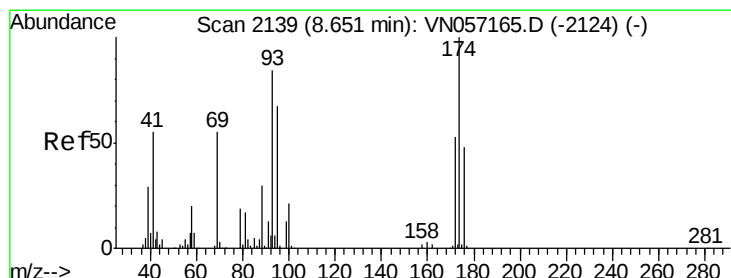
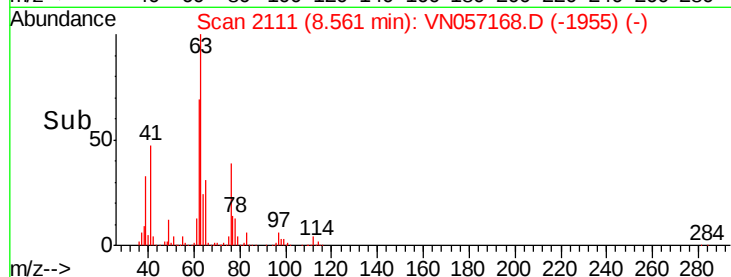
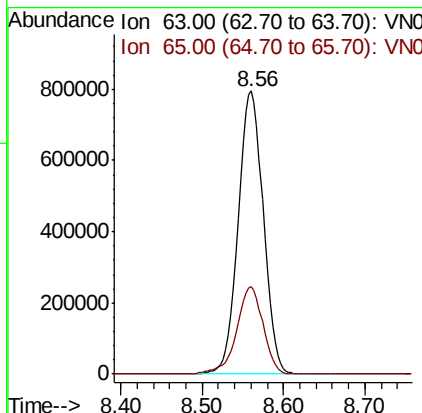
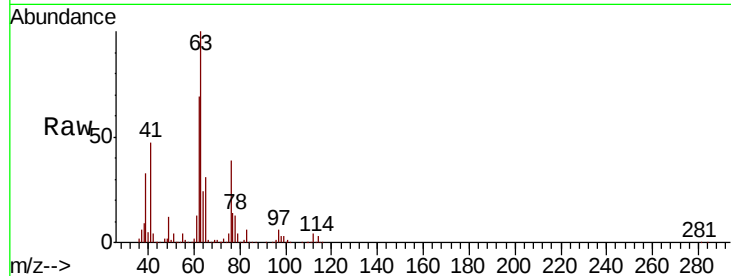




#39
 1,2-Dichloropropane
 Concen: 87.986 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

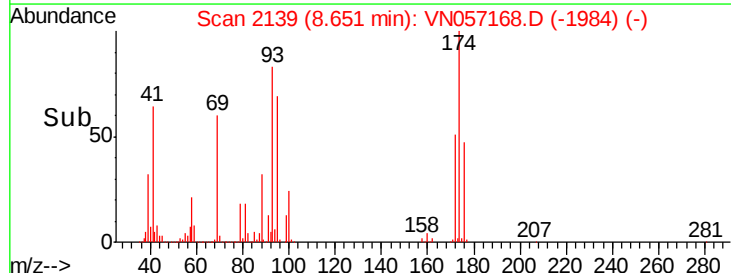
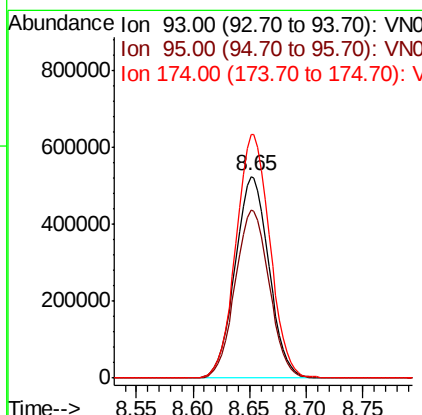
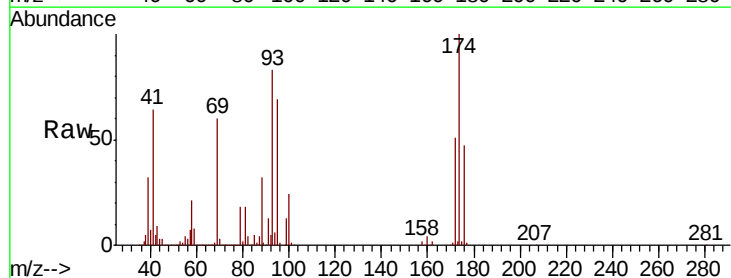
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

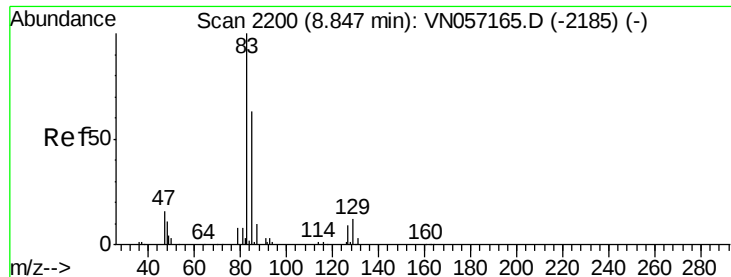
Tgt Ion: 63 Resp: 1694632
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.2 39.4



#40
 Dibromomethane
 Concen: 151.378 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 93 Resp: 1093374
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 165.0
 174 121.2 0.0 245.4





#41

Bromodichloromethane

Concen: 156.462 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

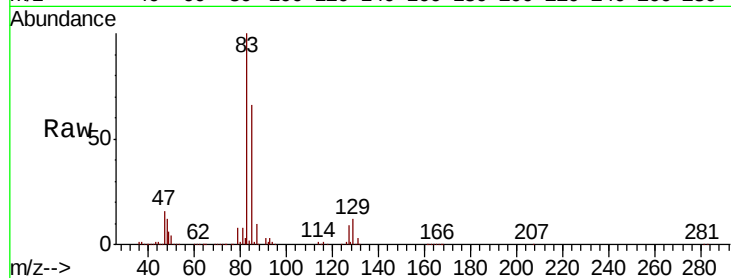
Tgt Ion: 83 Resp: 2247105

Ion Ratio Lower Upper

83 100

85 65.6 50.6 76.0

127 9.3 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN057168.D (-2045) (-)

Ion 85.00 (84.70 to 85.70): VN057168.D (-2045) (-)

Ion 127.00 (126.70 to 127.70): VN057168.D (-2045) (-)

8.85

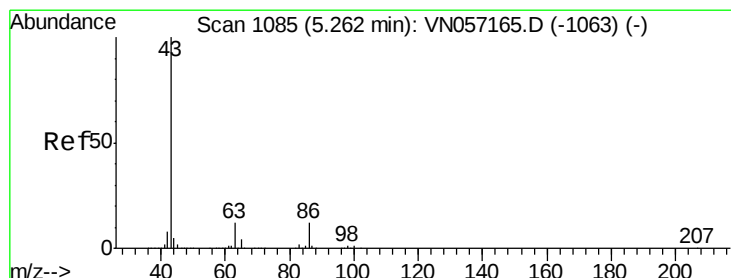
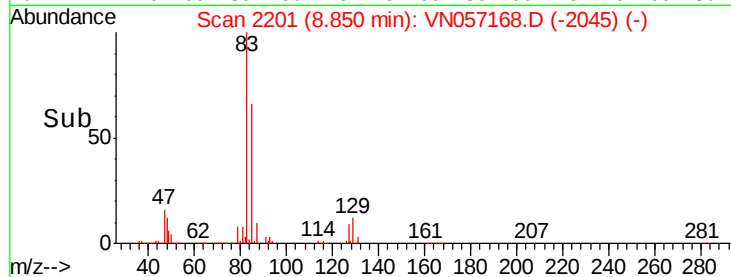
1000000

500000

0

8.80 8.90

Time-->



#42

Vinyl Acetate

Concen: 774.698 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057168.D

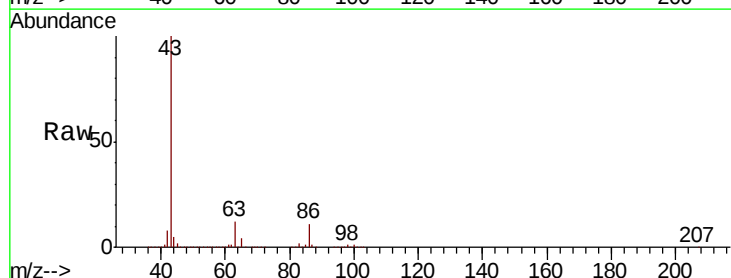
Acq: 10 Aug 2019 11:26

Tgt Ion: 43 Resp: 18079954

Ion Ratio Lower Upper

43 100

86 10.2 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN057168.D (-930) (-)

Ion 86.00 (85.70 to 86.70): VN057168.D (-930) (-)

5.26

6000000

5000000

4000000

3000000

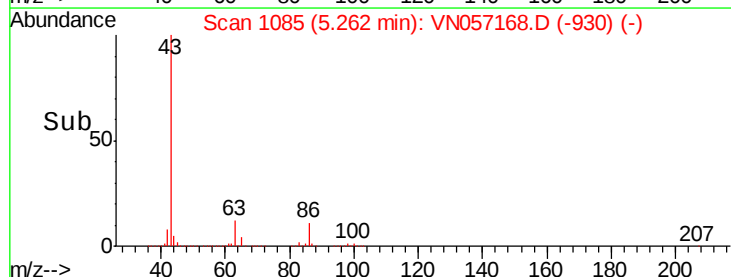
2000000

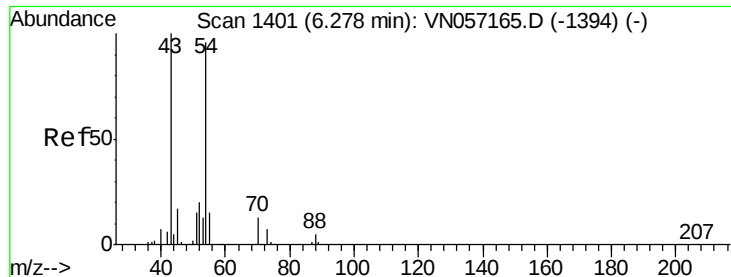
1000000

0

5.20 5.40

Time-->





#43

Ethyl Acetate

Concen: 159.308 ug/l

RT: 6.28 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

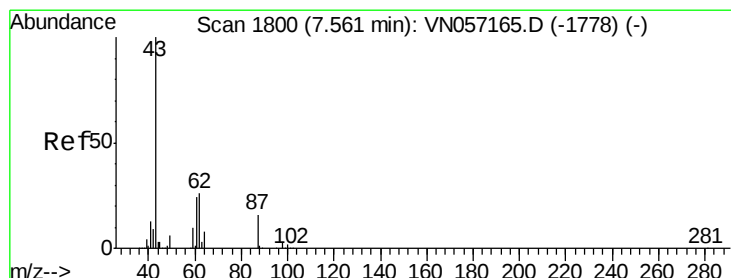
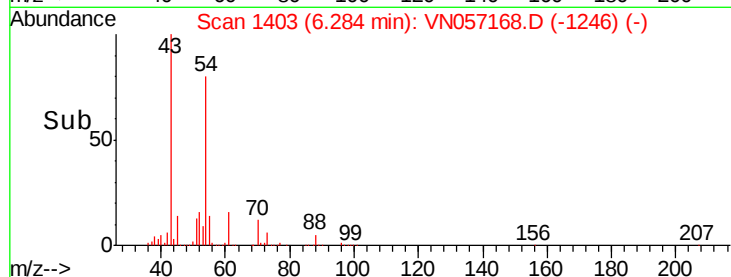
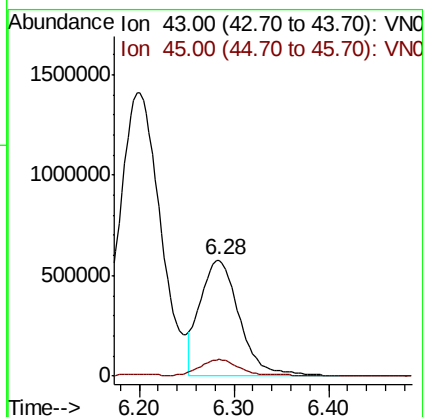
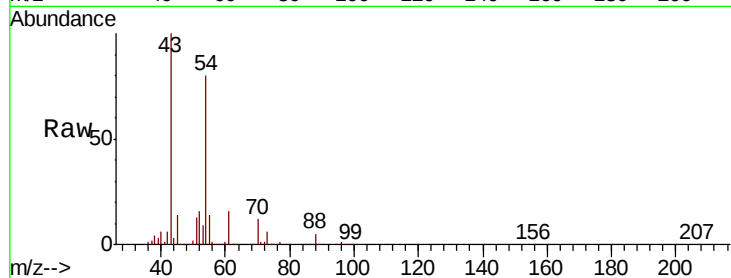
VSTDIC150

Tgt Ion: 43 Resp: 1649427

Ion Ratio Lower Upper

43 100

45 12.7 10.1 15.1



#44

Isopropyl Acetate

Concen: 155.169 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057168.D

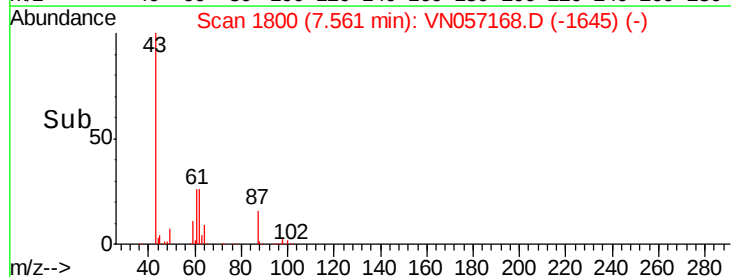
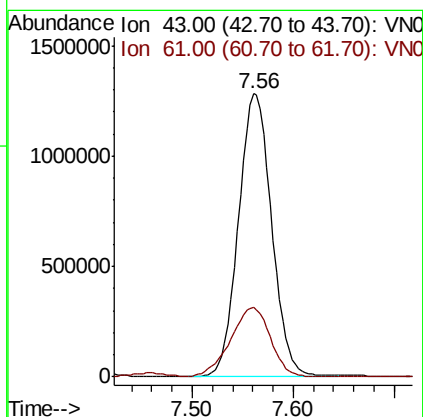
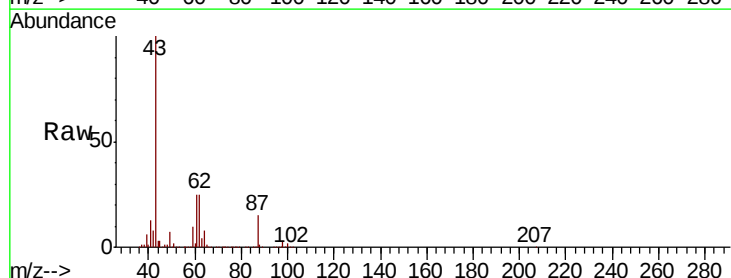
Acq: 10 Aug 2019 11:26

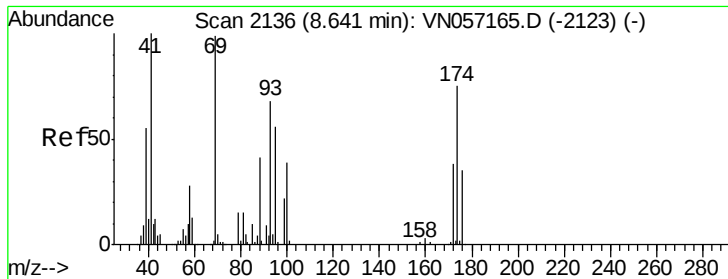
Tgt Ion: 43 Resp: 2917008

Ion Ratio Lower Upper

43 100

61 29.6 22.2 33.4

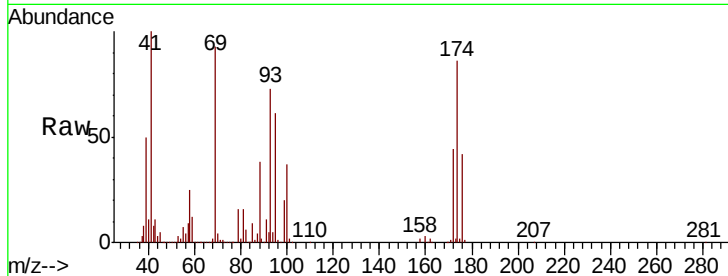




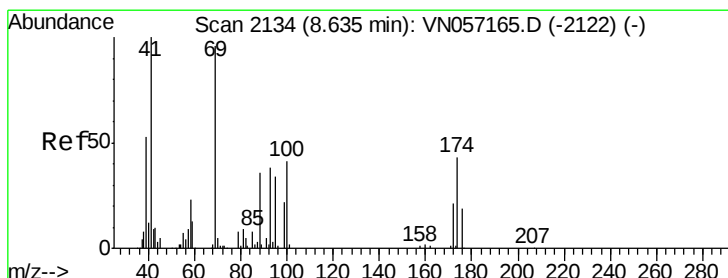
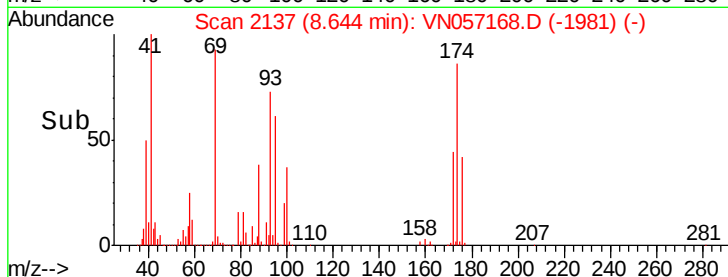
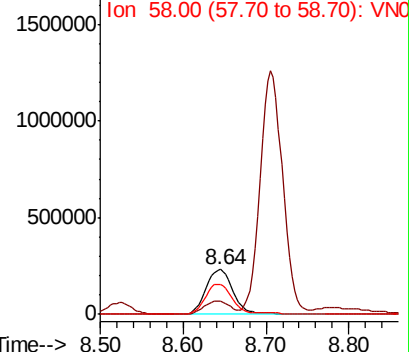
#45
1,4-Dioxane
Concen: 3038.786 ug/l
RT: 8.64 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 533093
Ion Ratio Lower Upper
88 100
43 27.6 20.5 30.7
58 65.2 53.8 80.8

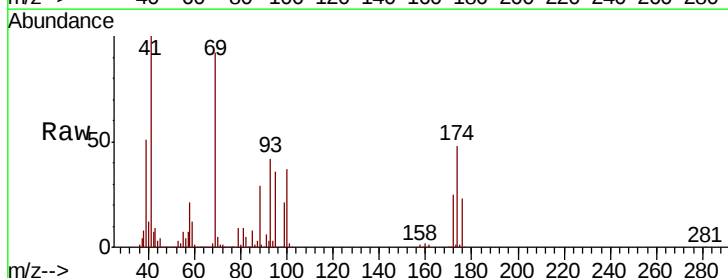


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

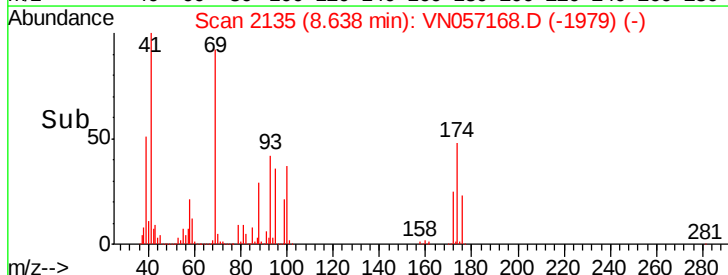
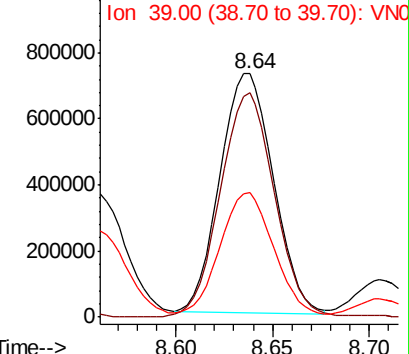


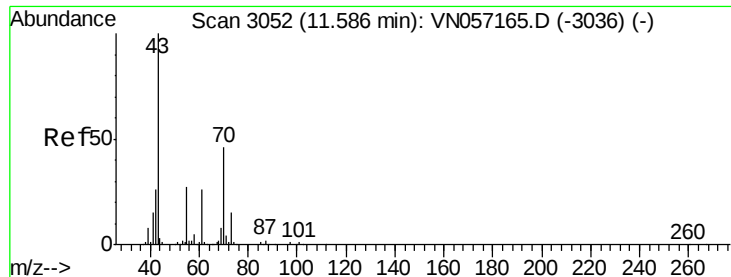
#46
Methyl methacrylate
Concen: 161.763 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 41 Resp: 1386493
Ion Ratio Lower Upper
41 100
69 93.3 48.1 144.4
39 50.7 26.5 79.5



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

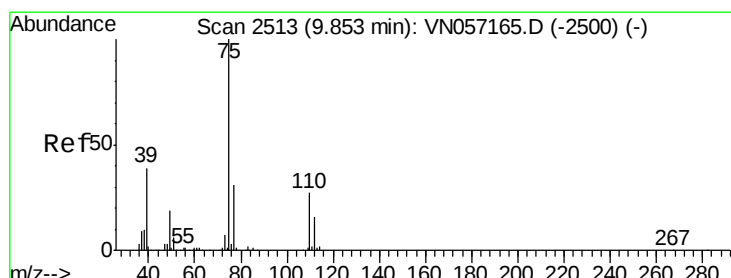
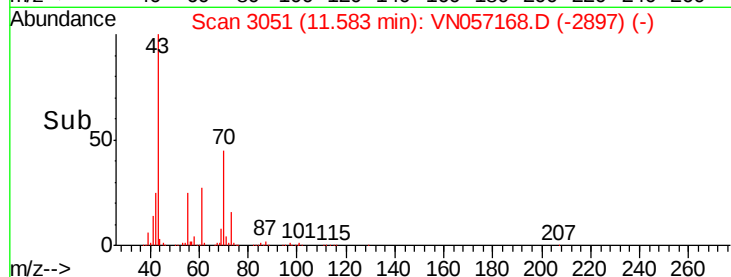
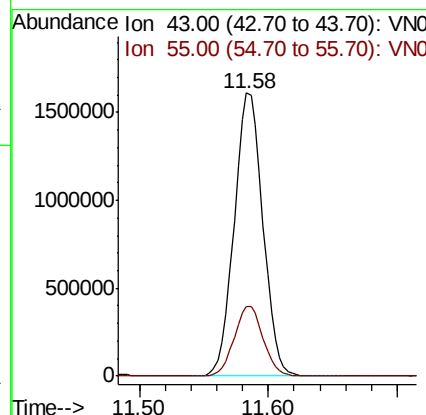
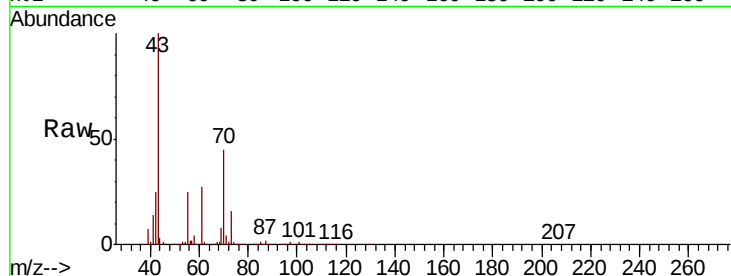




#47
n-amyl Acetate
Concen: 179.632 ug/l
RT: 11.58 min Scan# 3051
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

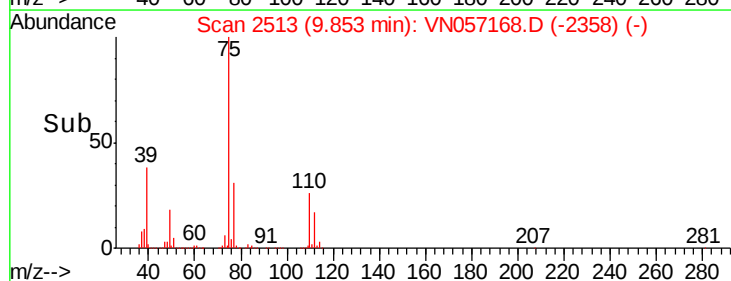
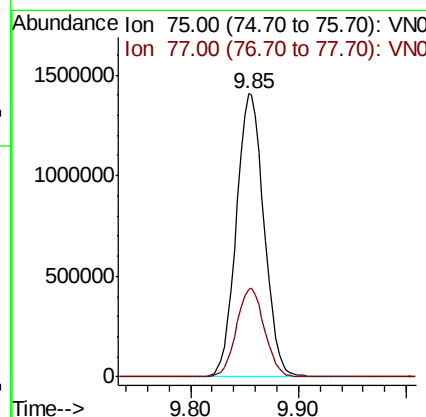
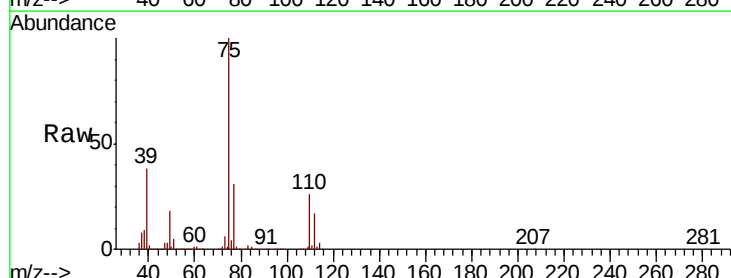
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

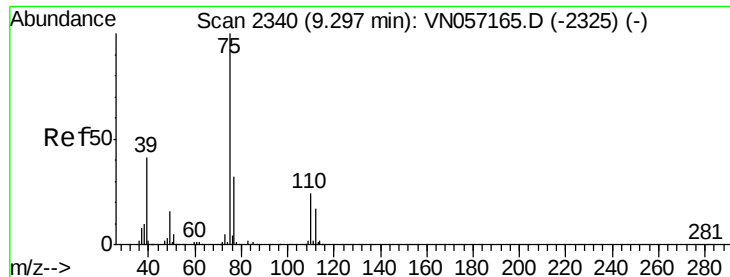
Tgt Ion: 43 Resp: 2484400
Ion Ratio Lower Upper
43 100
55 25.0 20.7 31.1



#48
t-1,3-Dichloropropene
Concen: 163.208 ug/l
RT: 9.85 min Scan# 2513
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 75 Resp: 2499427
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3



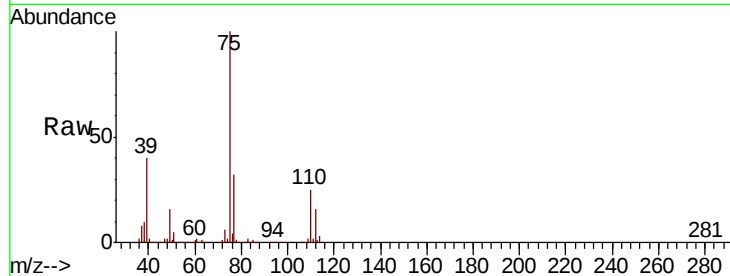


#49

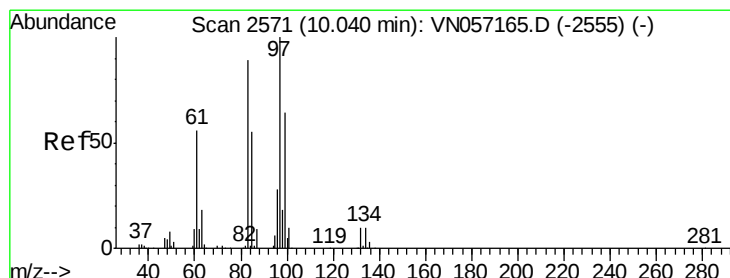
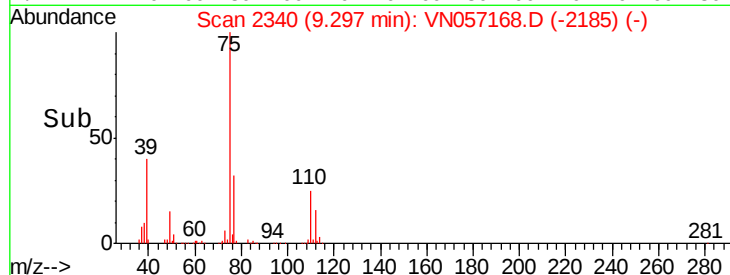
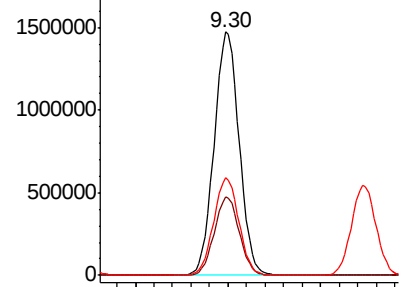
cis-1,3-Dichloropropene
Concen: 175.151 ug/l
RT: 9.30 min Scan# 2340
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 2755909
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
39 39.9 33.0 49.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
2000000 Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

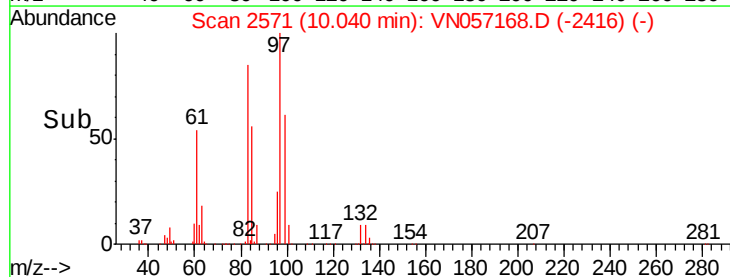
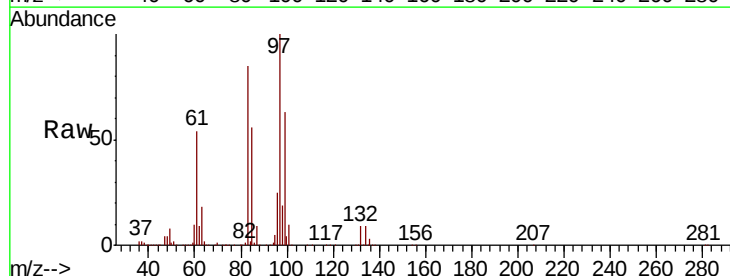
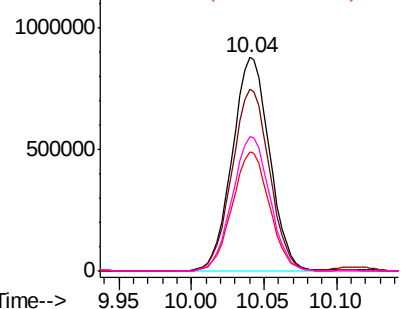


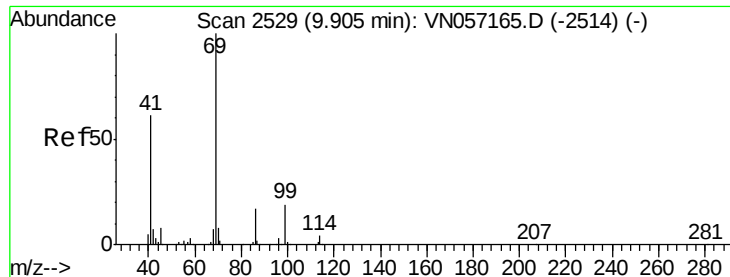
#50

1,1,2-Trichloroethane
Concen: 152.636 ug/l
RT: 10.04 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 97 Resp: 1575685
Ion Ratio Lower Upper
97 100
83 85.0 71.4 107.0
85 55.8 43.8 65.8
99 62.8 51.0 76.6

Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 165.243 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

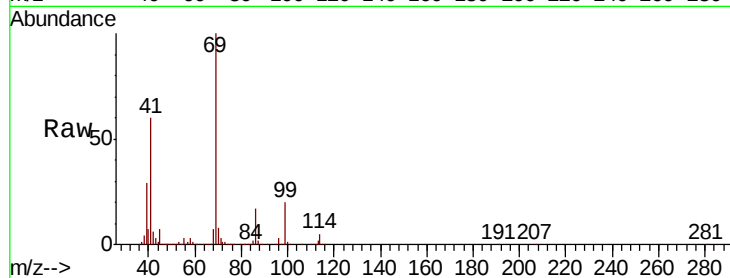
Tgt Ion: 69 Resp: 2407300

Ion Ratio Lower Upper

69 100

41 59.9 30.4 91.2

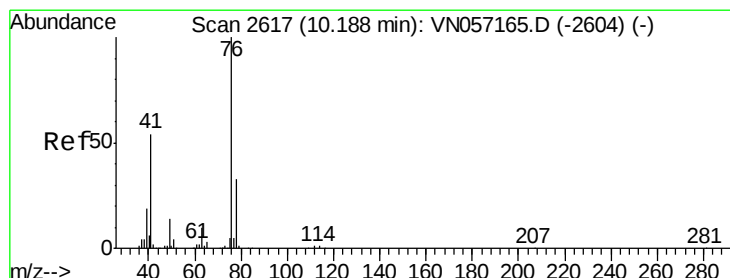
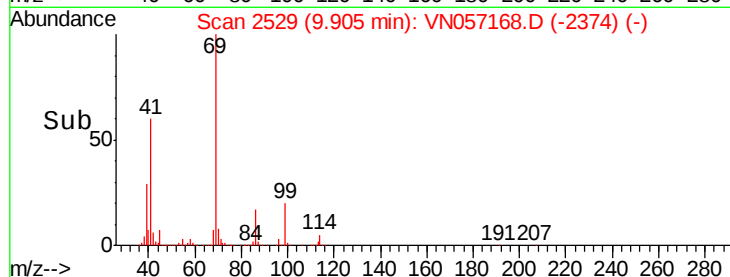
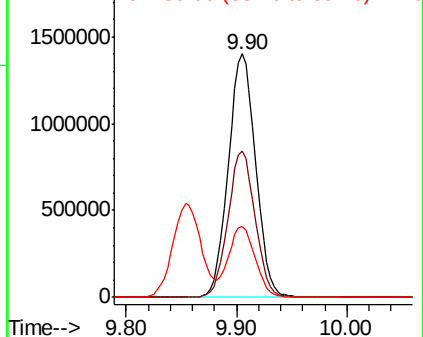
39 29.1 14.8 44.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 151.775 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057168.D

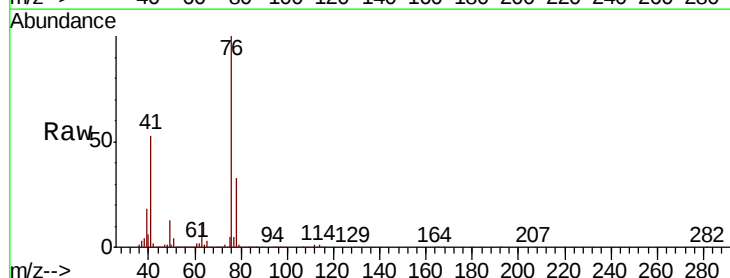
Acq: 10 Aug 2019 11:26

Tgt Ion: 76 Resp: 2611596

Ion Ratio Lower Upper

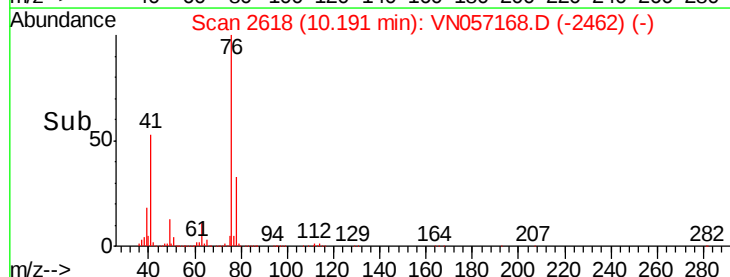
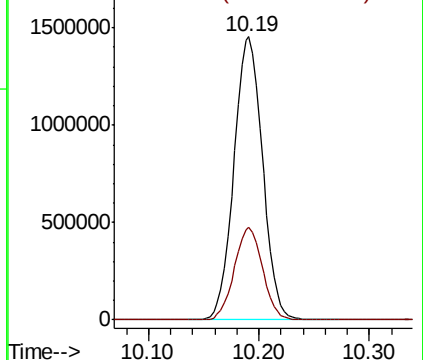
76 100

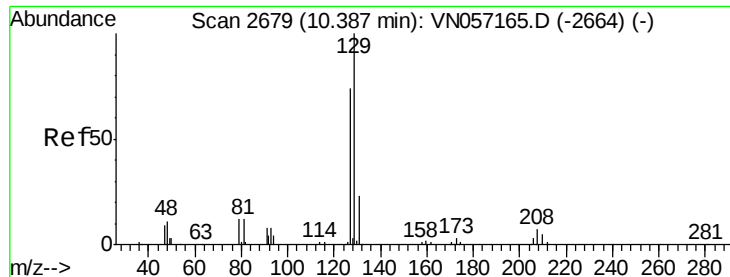
78 32.2 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

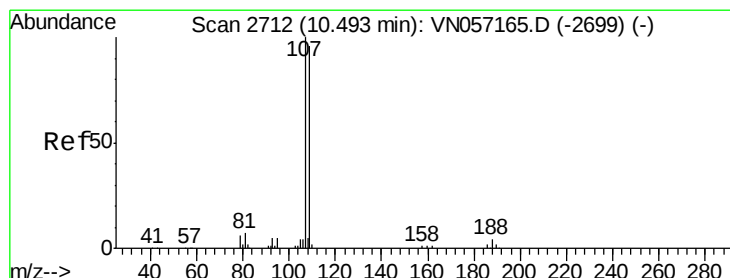
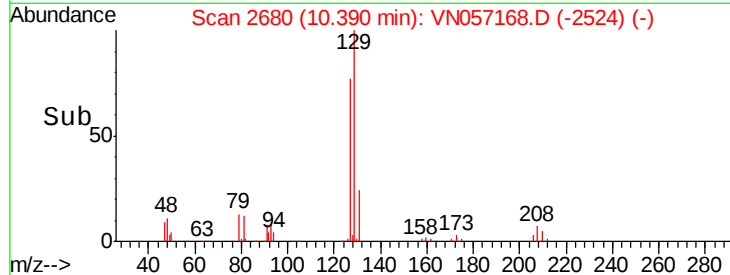
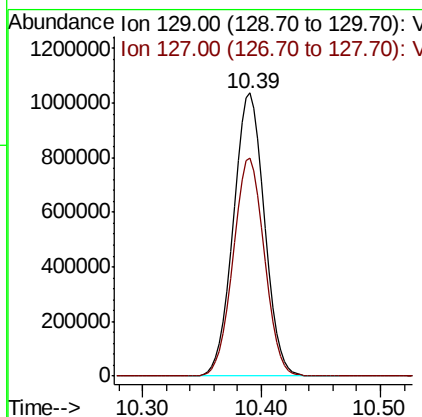
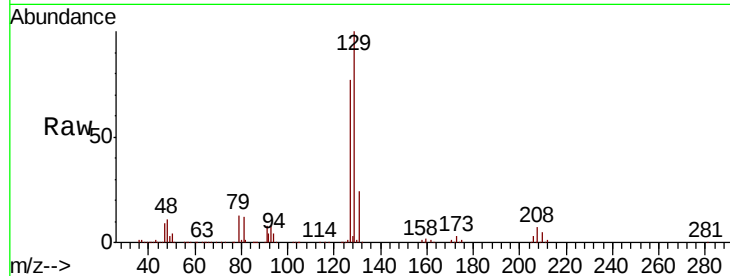




#53
 Dibromochloromethane
 Concen: 161.279 ug/l
 RT: 10.39 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

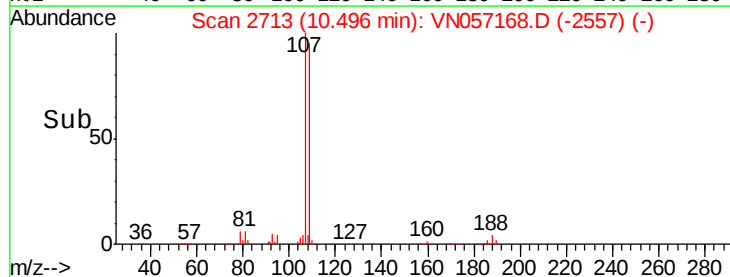
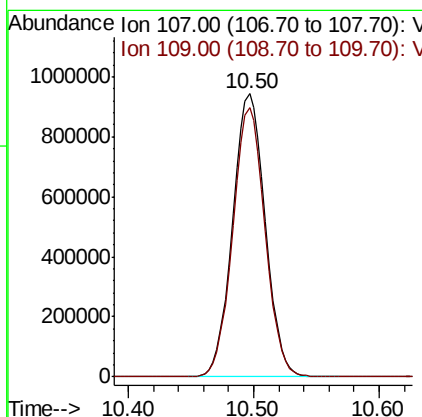
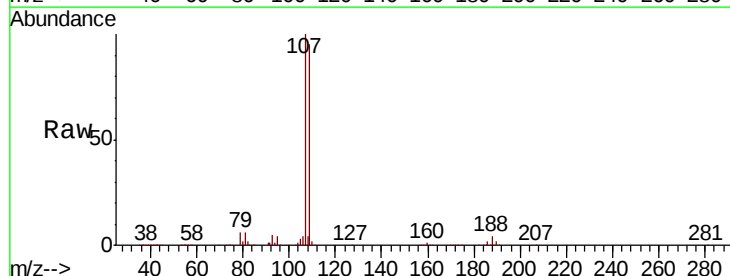
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

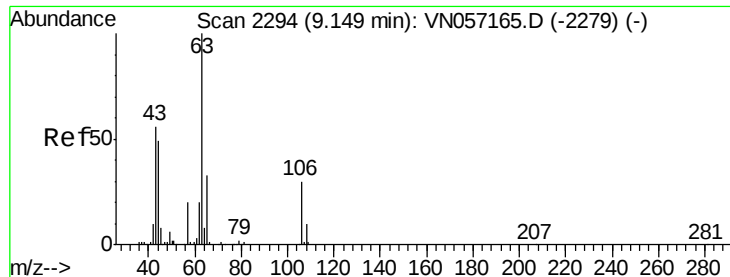
Tgt Ion:129 Resp: 1876041
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.2 114.6



#54
 1,2-Dibromoethane
 Concen: 157.588 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion:107 Resp: 1698167
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.8 115.2

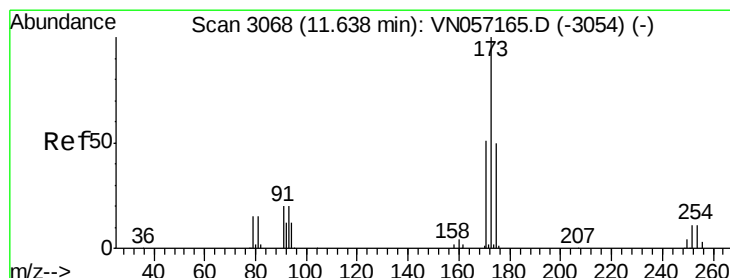
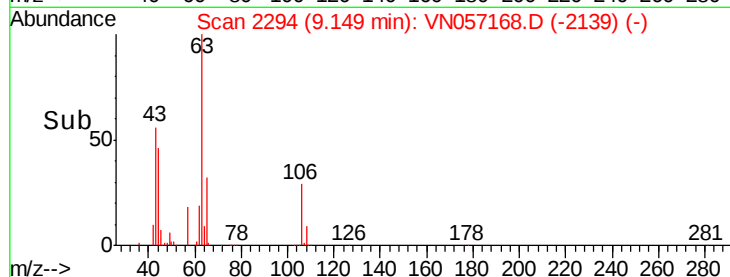
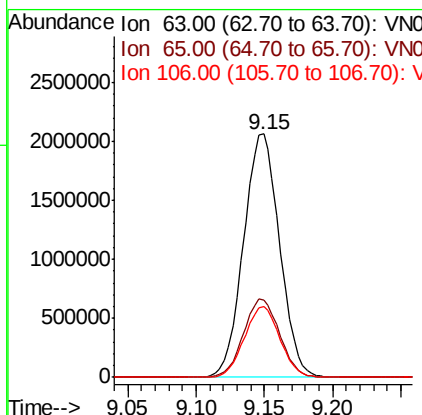
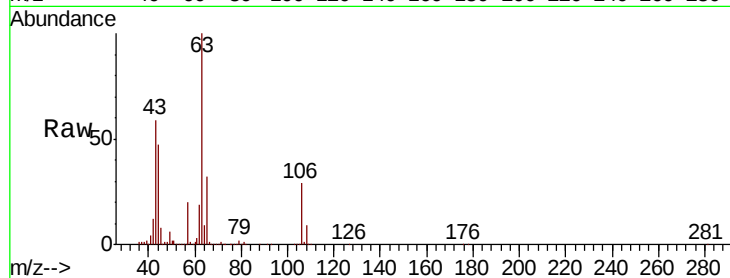




#55
 2-Chloroethyl vinyl ether
 Concen: 919.487 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

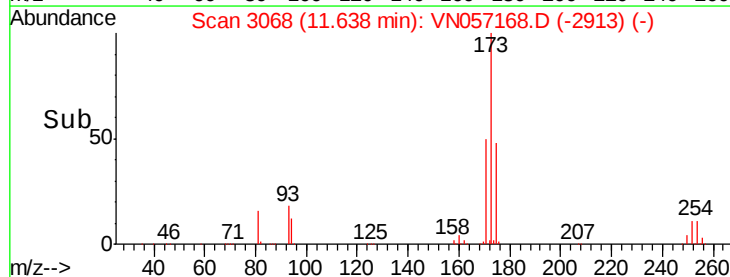
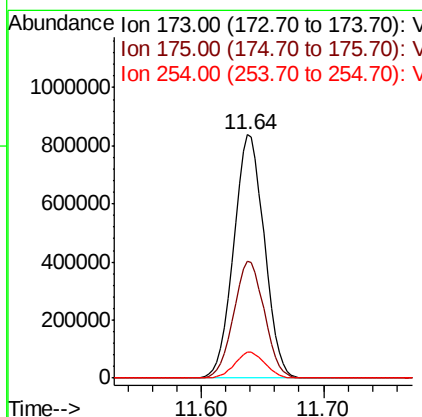
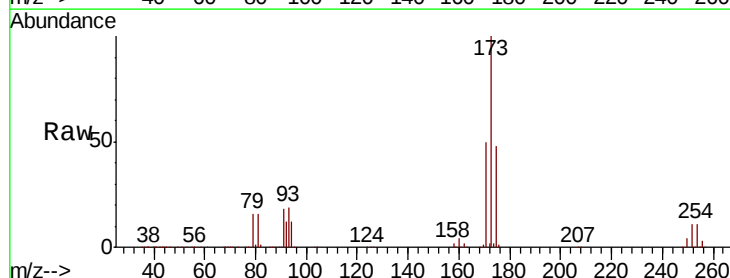
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

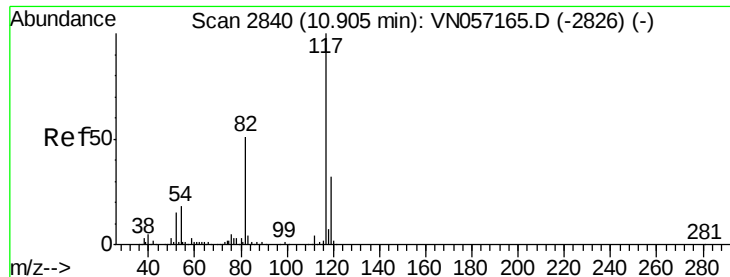
Tgt Ion: 63 Resp: 3782210
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.0 39.0
 106 28.9 23.3 34.9



#56
 Bromoform
 Concen: 169.083 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 173 Resp: 1453398
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.4
 254 10.6 8.6 13.0

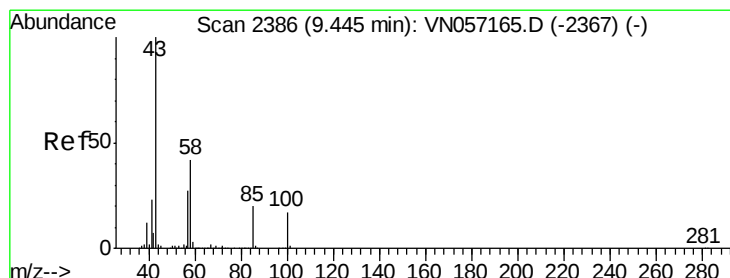
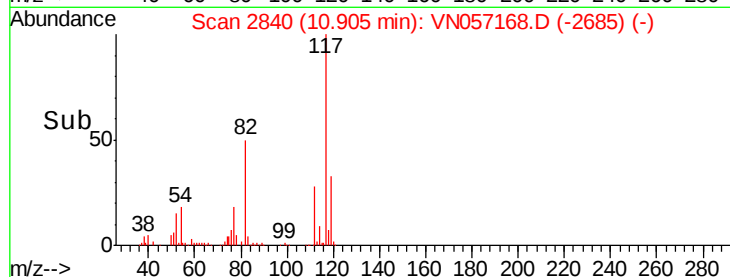
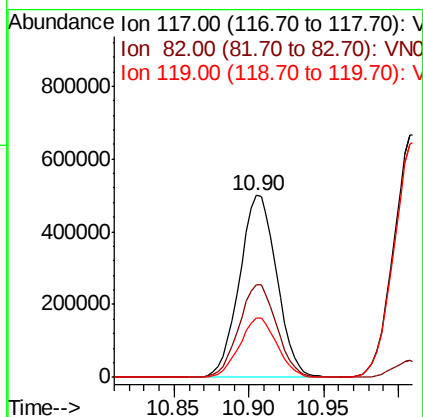
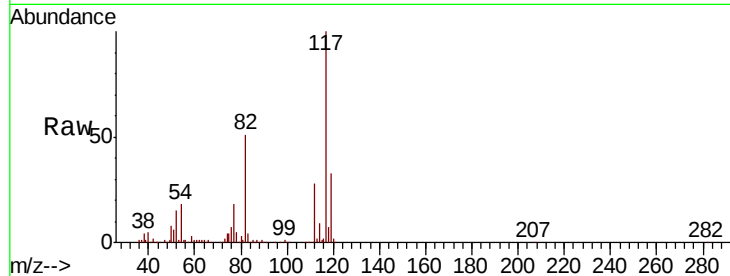




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

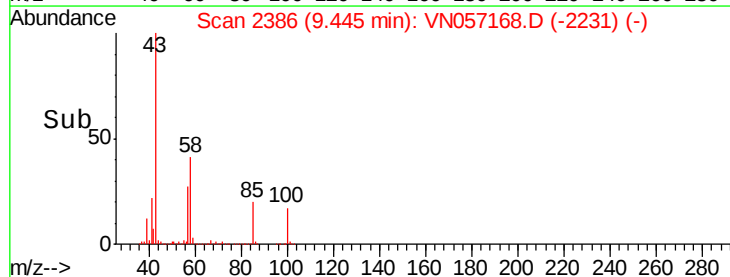
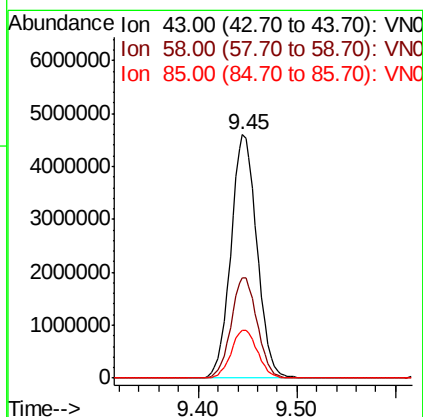
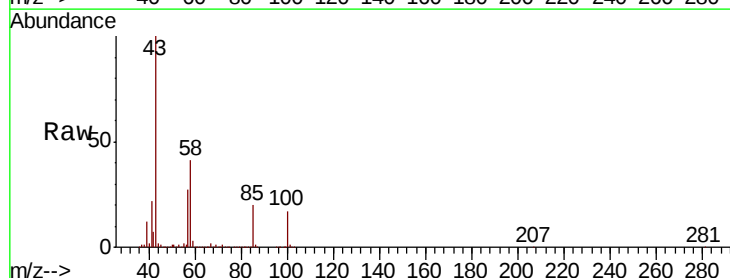
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

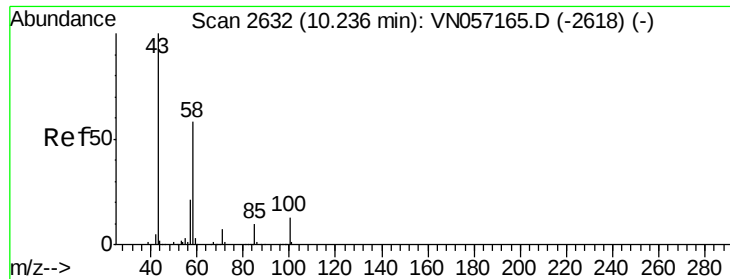
Tgt Ion: 117 Resp: 869042
Ion Ratio Lower Upper
117 100
82 51.3 41.5 62.3
119 32.5 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 756.841 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 43 Resp: 8449434
Ion Ratio Lower Upper
43 100
58 41.6 32.8 49.2
85 20.1 16.4 24.6

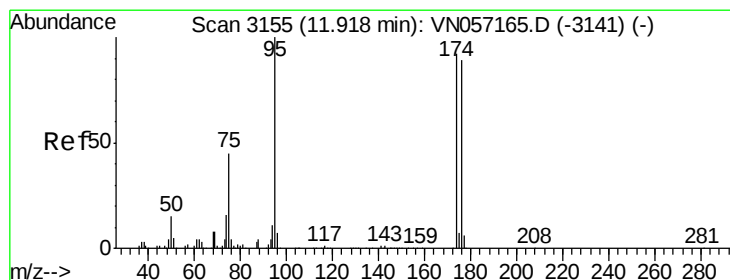
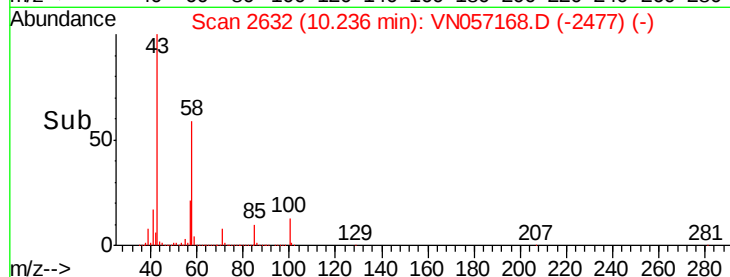
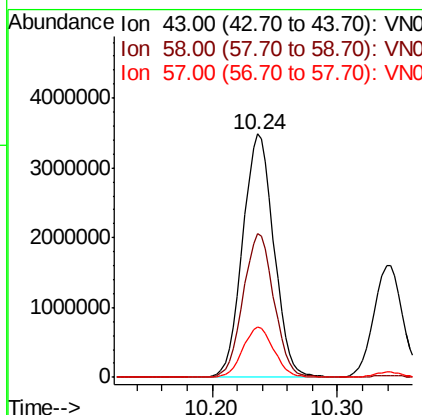
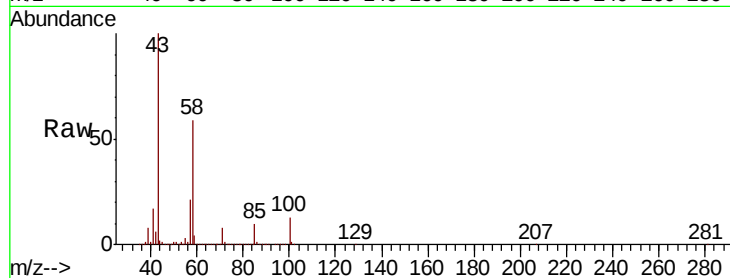




#59
2-Hexanone
Concen: 752.125 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

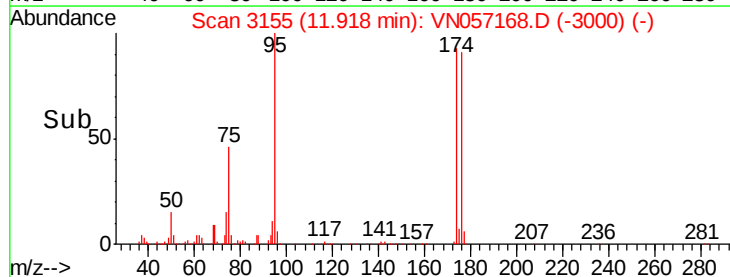
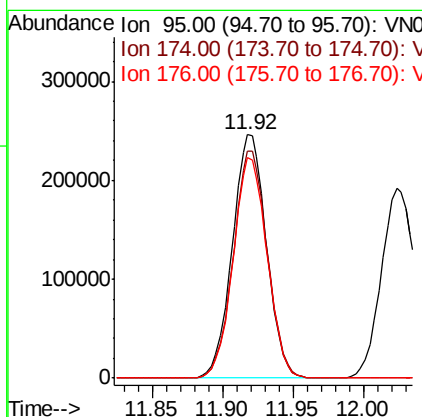
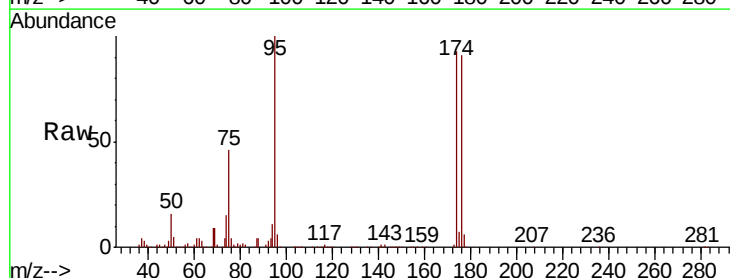
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

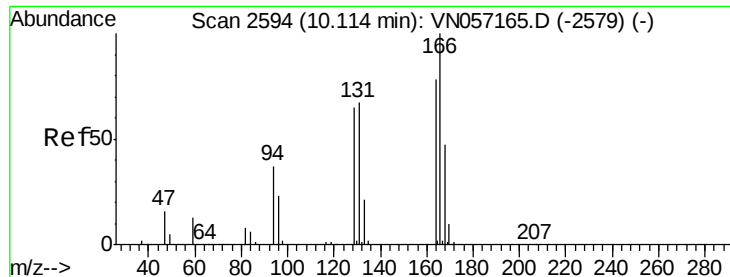
Tgt Ion: 43 Resp: 6036814
Ion Ratio Lower Upper
43 100
58 58.5 45.4 68.2
57 20.5 16.1 24.1



#60
4-Bromofluorobenzene
Concen: 32.066 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 95 Resp: 414941
Ion Ratio Lower Upper
95 100
174 93.2 74.9 112.3
176 90.4 72.1 108.1





#61

Tetrachloroethene

Concen: 132.439 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 1766519

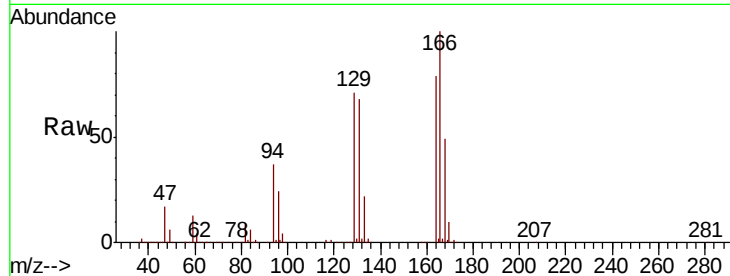
Ion Ratio Lower Upper

164 100

166 126.7 103.0 154.6

129 89.8 67.3 100.9

131 85.7 68.5 102.7

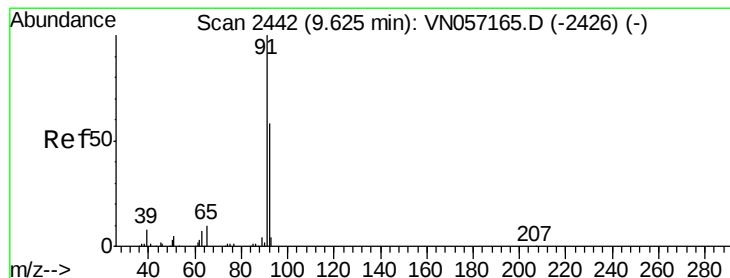
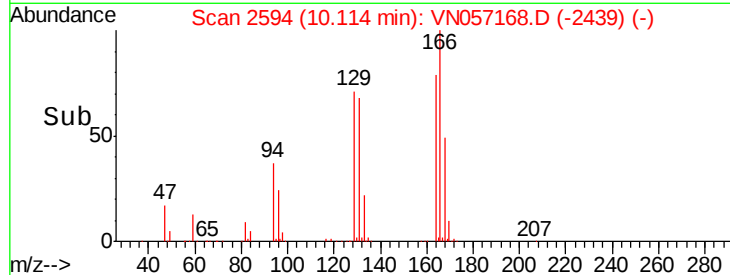
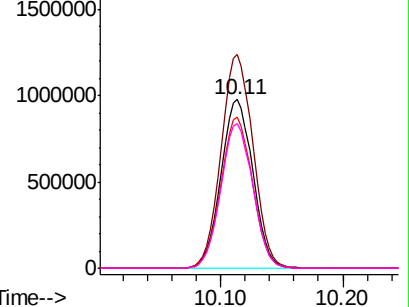


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 145.530 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VN057168.D

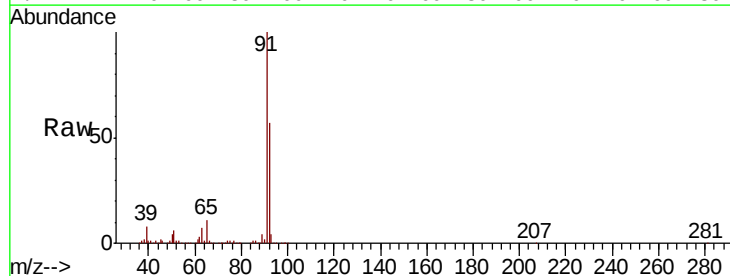
Acq: 10 Aug 2019 11:26

Tgt Ion: 91 Resp: 7198748

Ion Ratio Lower Upper

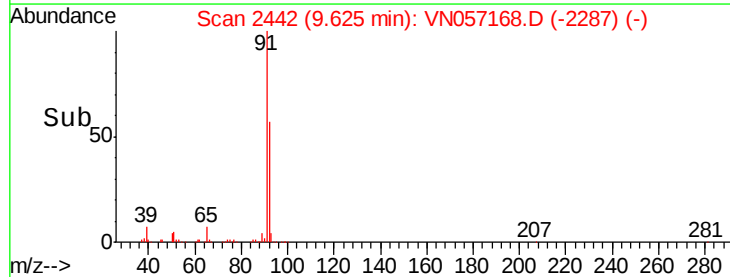
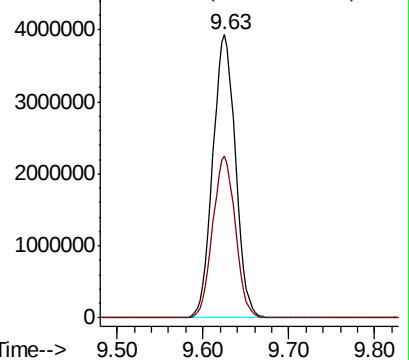
91 100

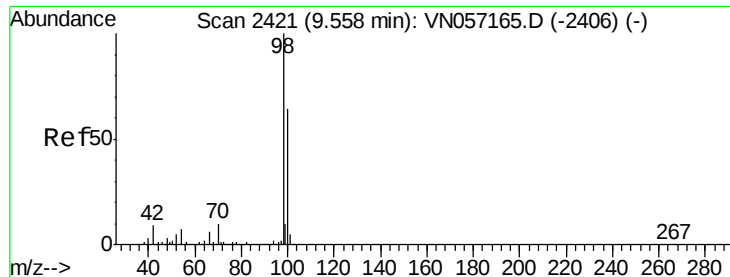
92 57.3 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO

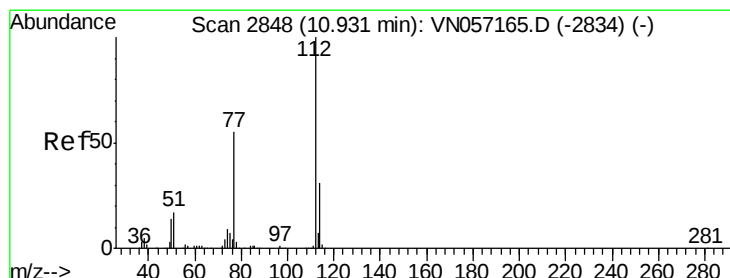
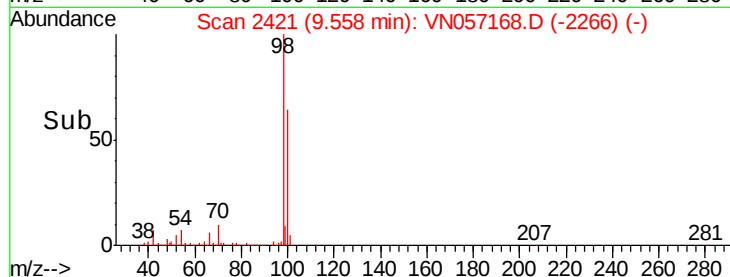
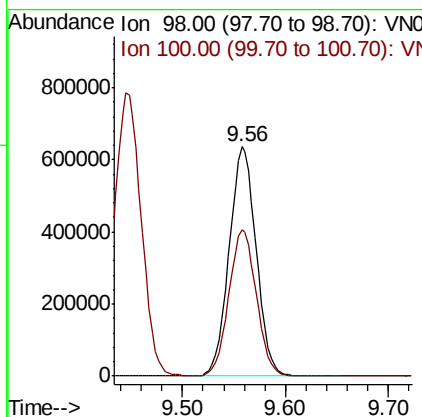
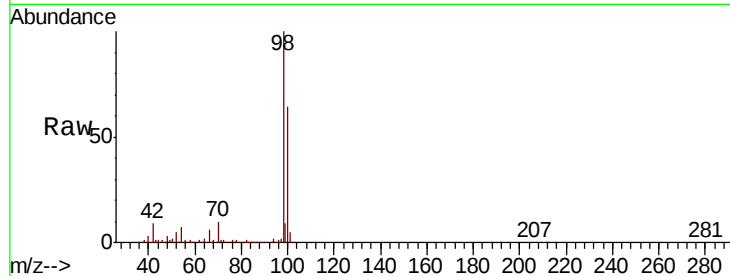




#63
Toluene-d8
Concen: 28.956 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

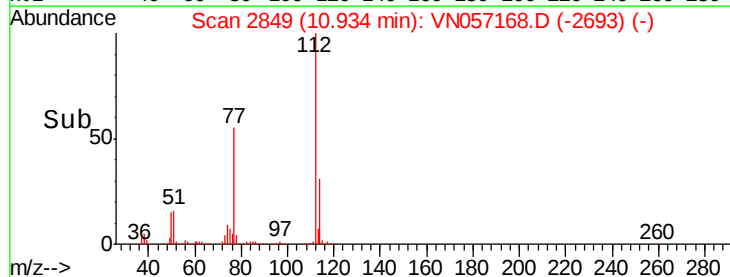
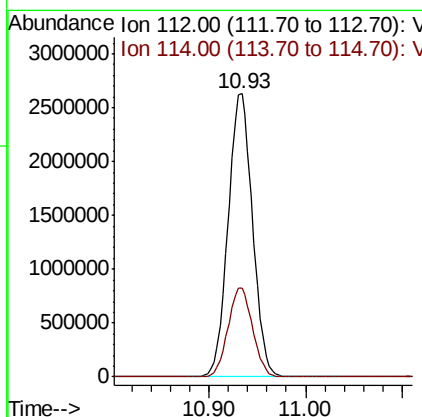
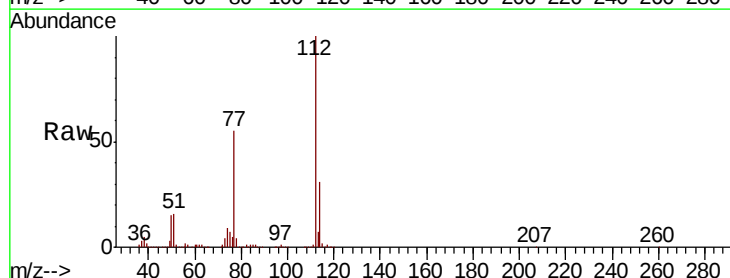
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

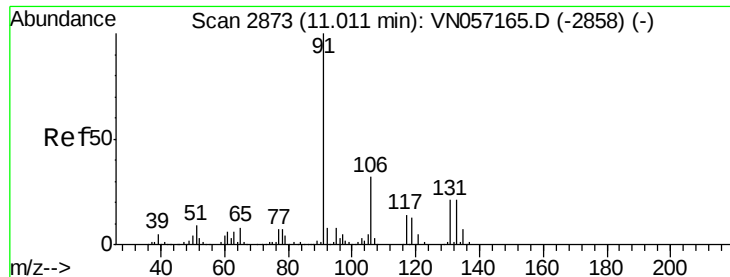
Tgt Ion: 98 Resp: 1161616
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#64
Chlorobenzene
Concen: 150.974 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 112 Resp: 4593270
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 148.822 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

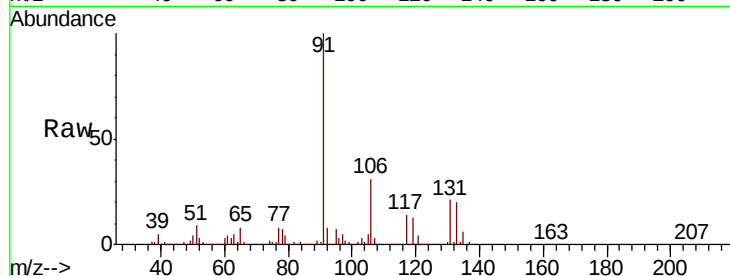
Tgt Ion:131 Resp: 1736342

Ion Ratio Lower Upper

131 100

133 96.1 0.0 196.0

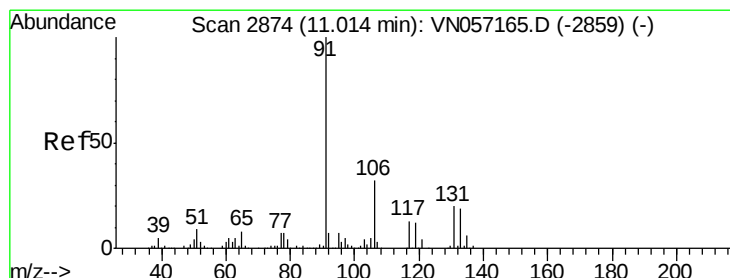
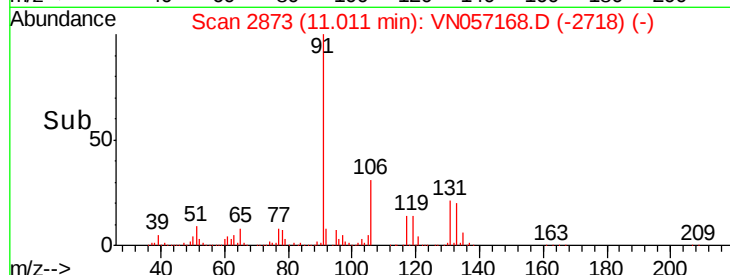
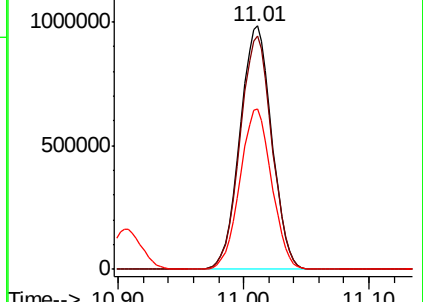
119 65.5 0.0 132.6



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: 152.480 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057168.D

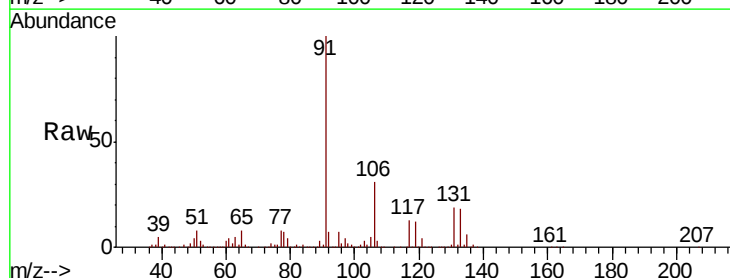
Acq: 10 Aug 2019 11:26

Tgt Ion: 91 Resp: 8085213

Ion Ratio Lower Upper

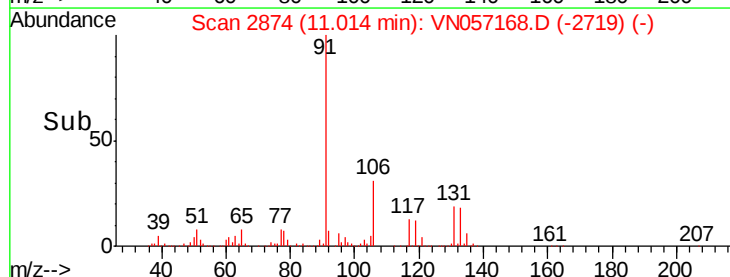
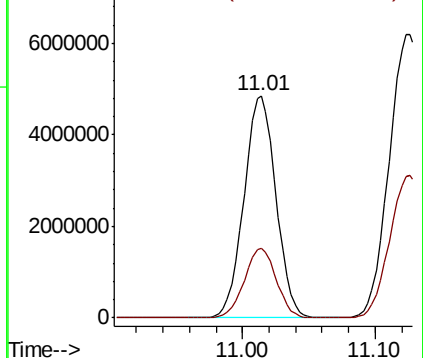
91 100

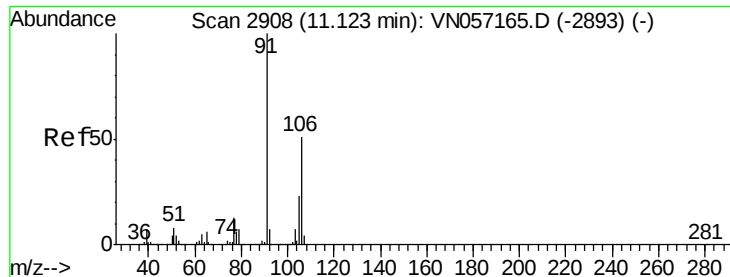
106 31.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 306.483 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

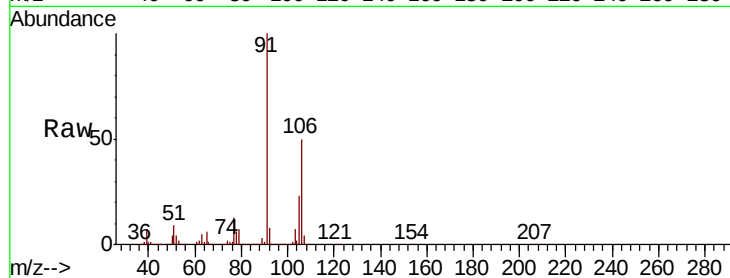
VSTDIC150

Tgt Ion:106 Resp: 6128515

Ion Ratio Lower Upper

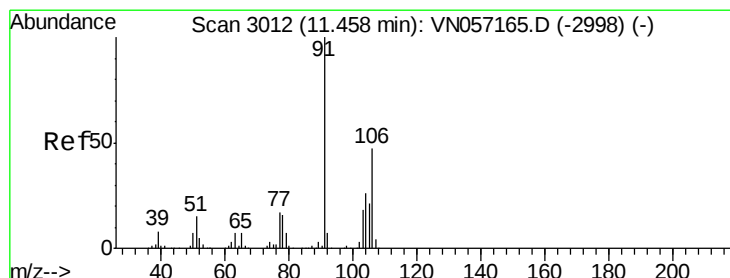
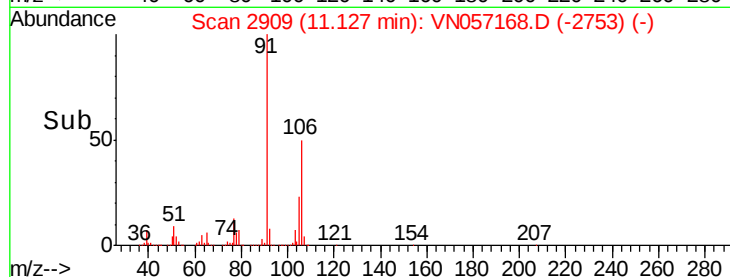
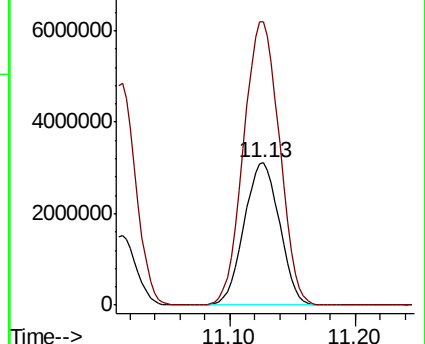
106 100

91 201.4 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 152.890 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. -0.00 min

Lab File: VN057168.D

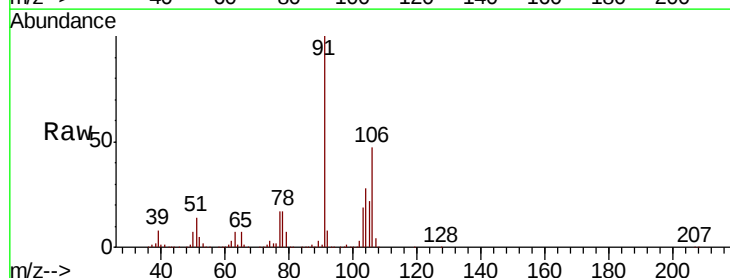
Acq: 10 Aug 2019 11:26

Tgt Ion:106 Resp: 2968147

Ion Ratio Lower Upper

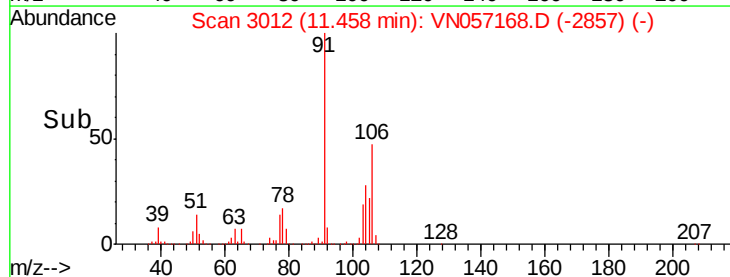
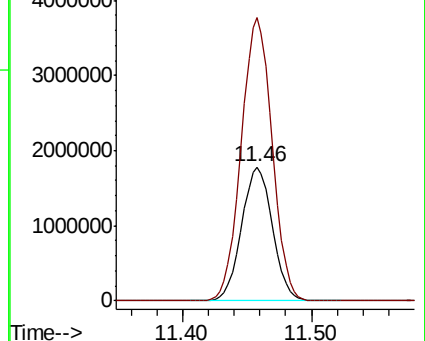
106 100

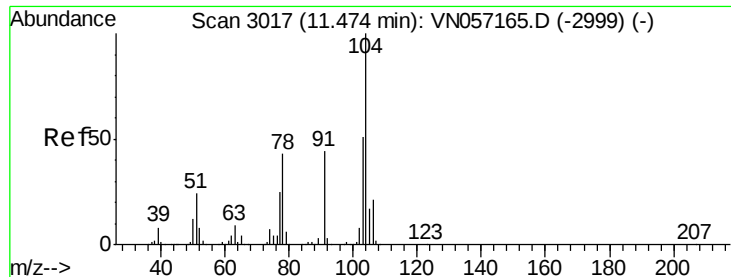
91 211.3 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

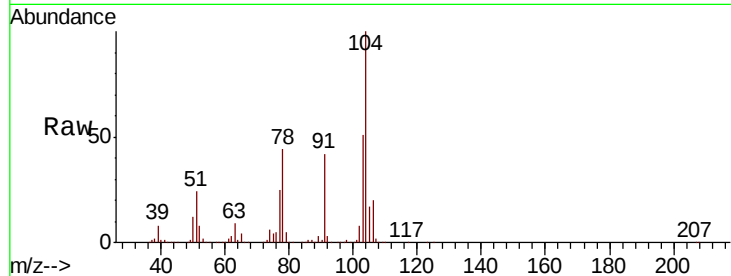




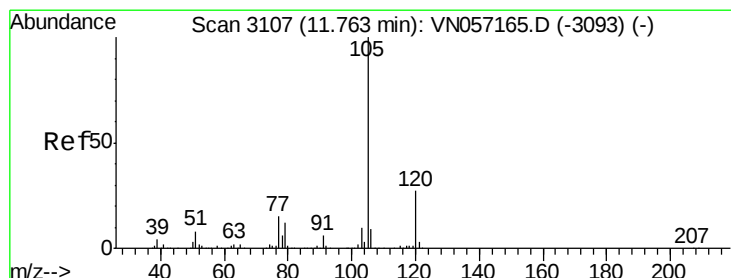
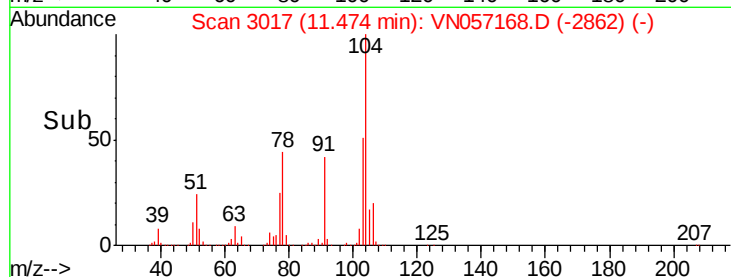
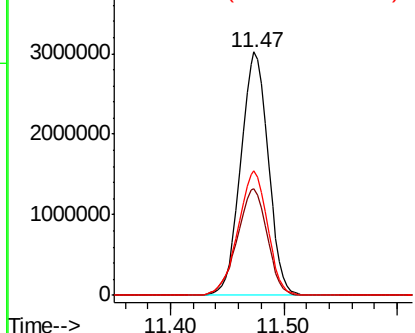
#69
Styrene
Concen: 164.324 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:104 Resp: 5115400
Ion Ratio Lower Upper
104 100
78 47.8 38.7 58.1
103 54.8 44.3 66.5

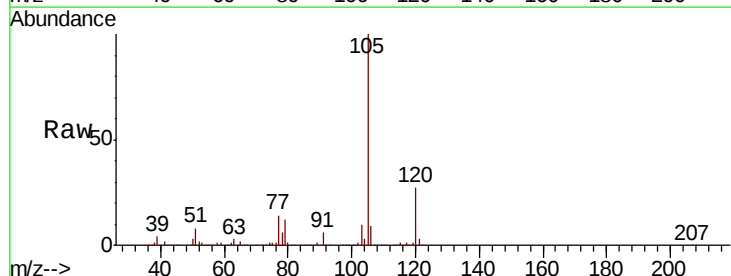


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

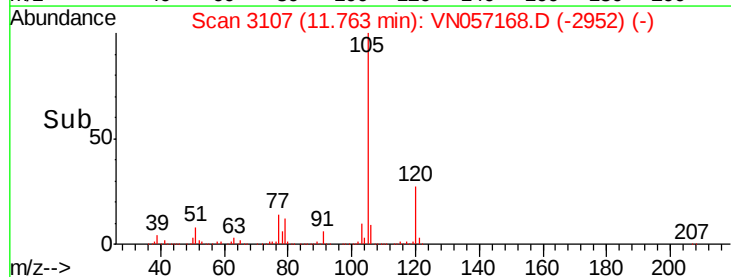
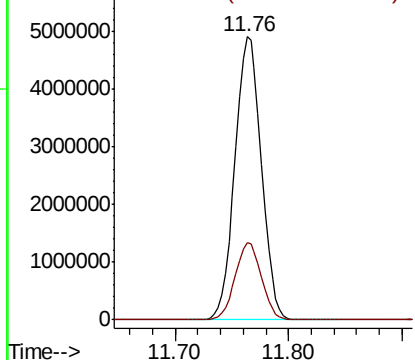


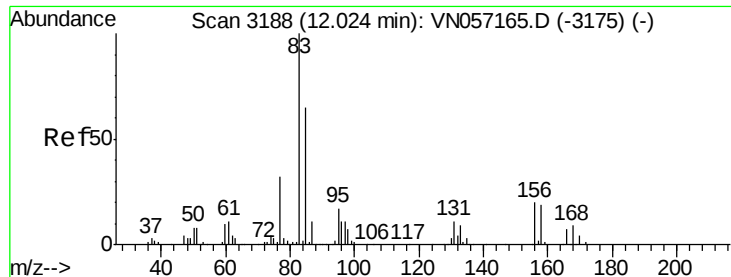
#70
Isopropylbenzene
Concen: 152.705 ug/l
RT: 11.76 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion:105 Resp: 7981490
Ion Ratio Lower Upper
105 100
120 27.0 19.1 35.5



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





#71

1,1,2,2-Tetrachloroethane

Concen: 148.255 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

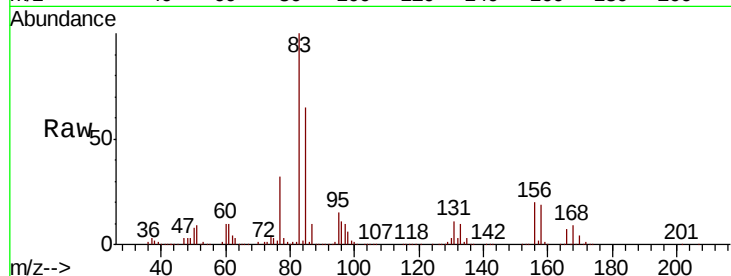
Tgt Ion: 83 Resp: 2122299

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.5
85	65.0	32.6	98.0

83 100

131 11.1 5.5 16.5

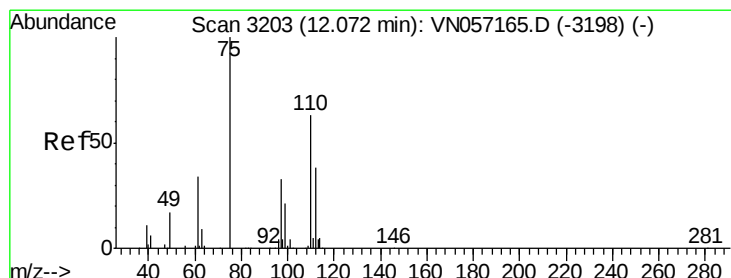
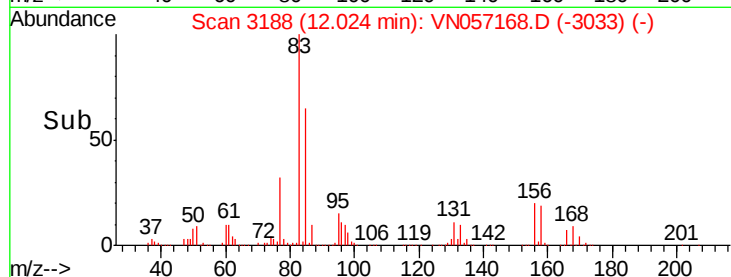
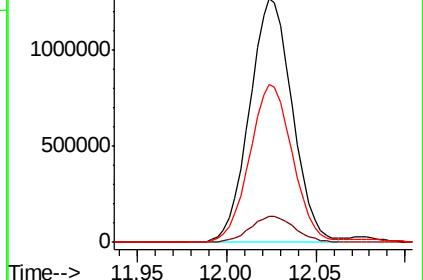
85 65.0 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 215.101 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057168.D

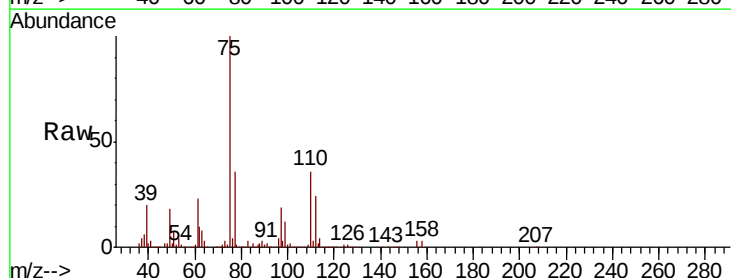
Acq: 10 Aug 2019 11:26

Tgt Ion: 75 Resp: 2730241

Ion	Ratio	Lower	Upper
75	100		
77	138.5	0.0	379.4

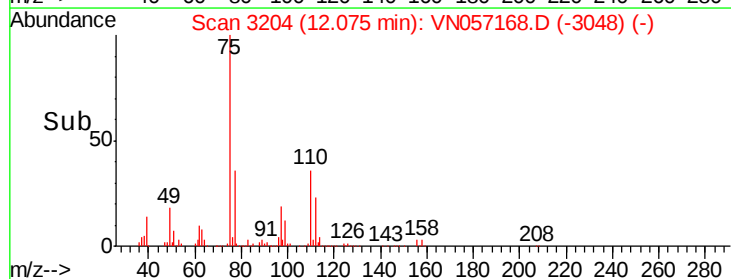
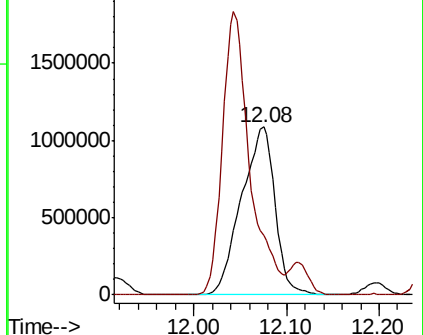
75 100

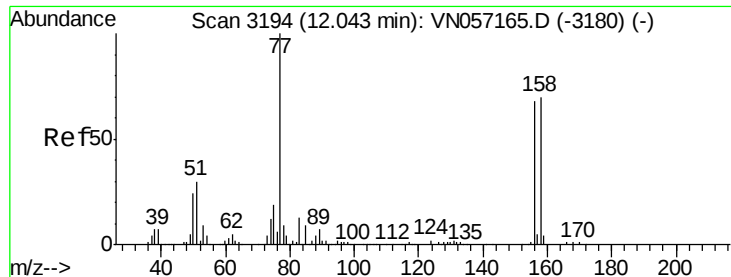
77 138.5 0.0 379.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 159.194 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

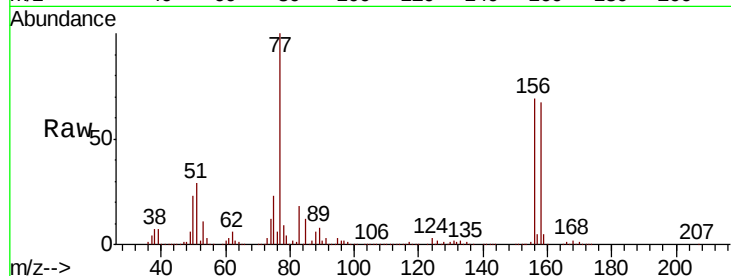
Tgt Ion:156 Resp: 2157581

Ion Ratio Lower Upper

156 100

77 175.2 0.0 361.6

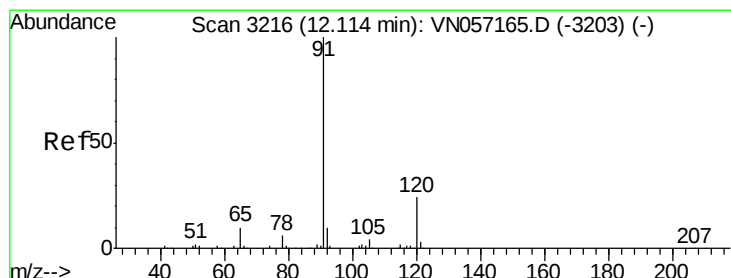
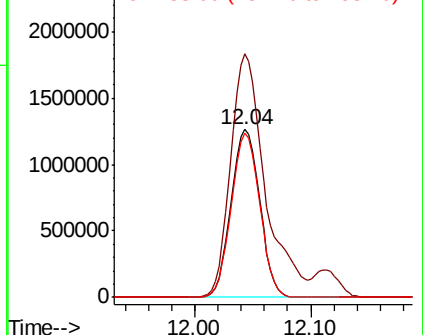
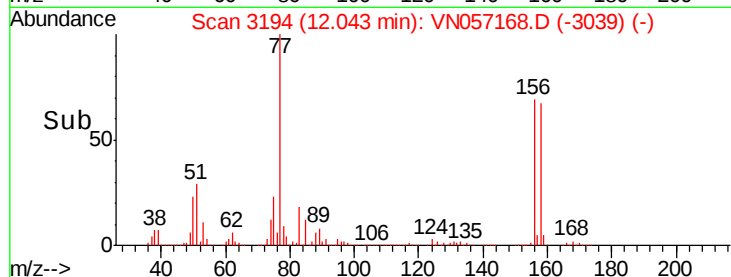
158 96.9 0.0 200.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 164.871 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VN057168.D

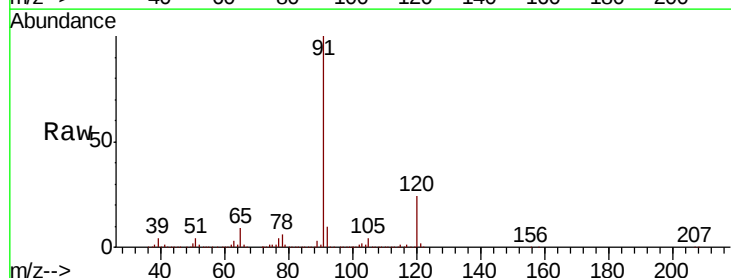
Acq: 10 Aug 2019 11:26

Tgt Ion: 91 Resp: 9046495

Ion Ratio Lower Upper

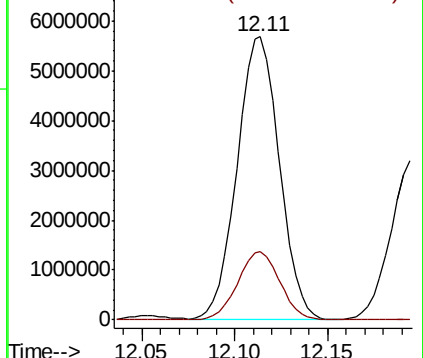
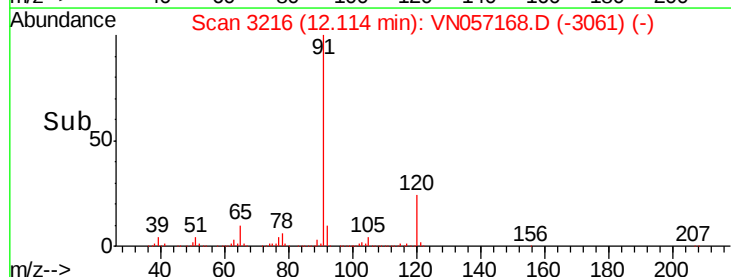
91 100

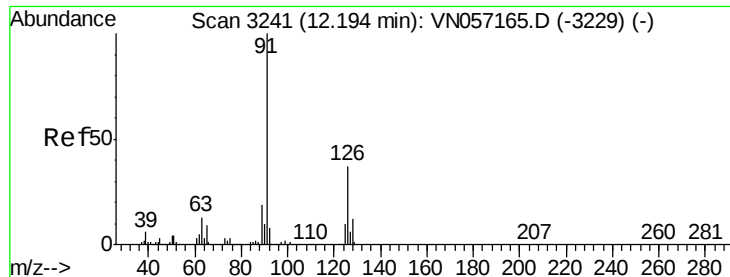
120 24.0 0.0 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 156.910 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

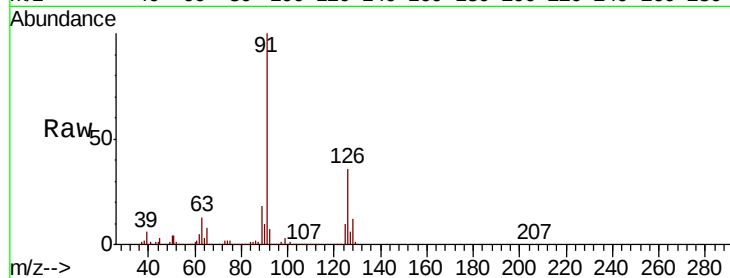
VSTDIC150

Tgt Ion: 91 Resp: 5325224

Ion Ratio Lower Upper

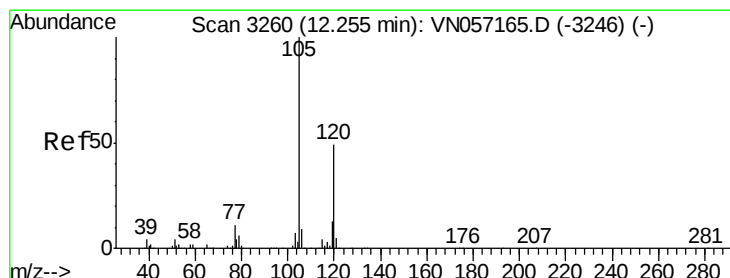
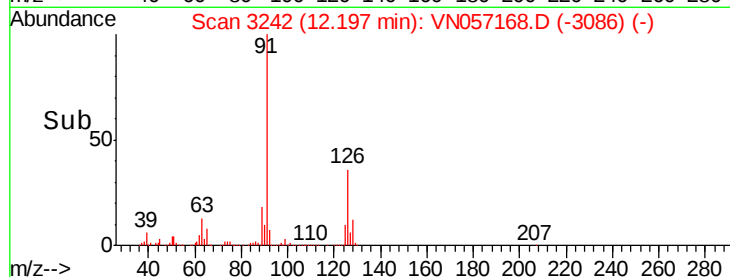
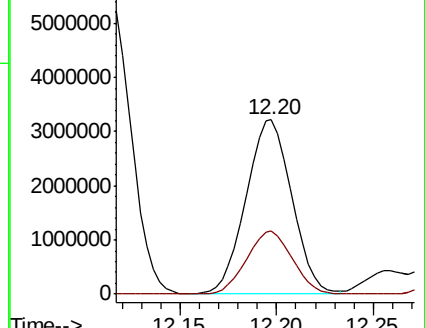
91 100

126 36.1 0.0 73.4



Abundance Ion 91.00 (90.70 to 91.70): VN057168.D (-3241) (-)

Ion 126.00 (125.70 to 126.70): VN057168.D (-3241) (-)



#76

1,3,5-Trimethylbenzene

Concen: 162.297 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057168.D

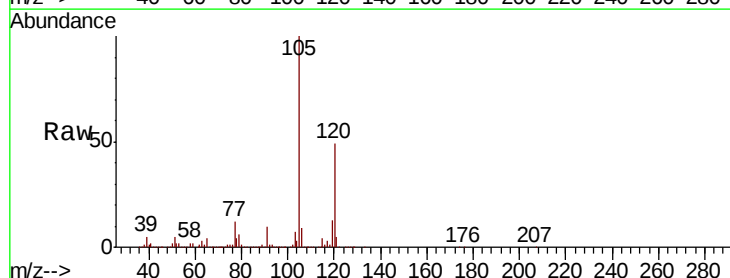
Acq: 10 Aug 2019 11:26

Tgt Ion: 105 Resp: 6857327

Ion Ratio Lower Upper

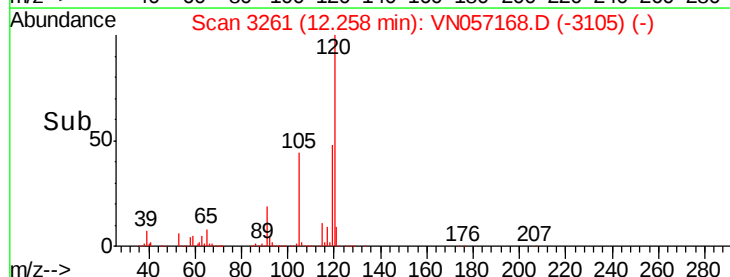
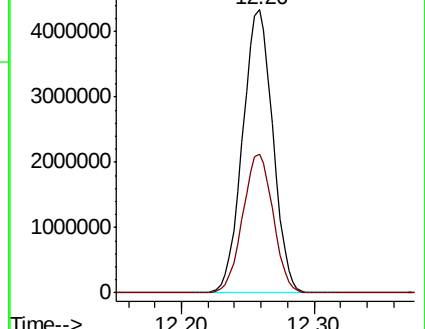
105 100

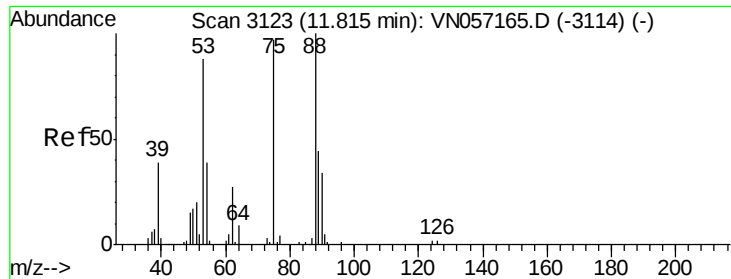
120 49.1 0.0 83.6



Abundance Ion 105.00 (104.70 to 105.70): VN057168.D (-3260) (-)

Ion 120.00 (119.70 to 120.70): VN057168.D (-3260) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 177.739 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. 0.00 min

Lab File: VN057168.D

Acq: 10 Aug 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

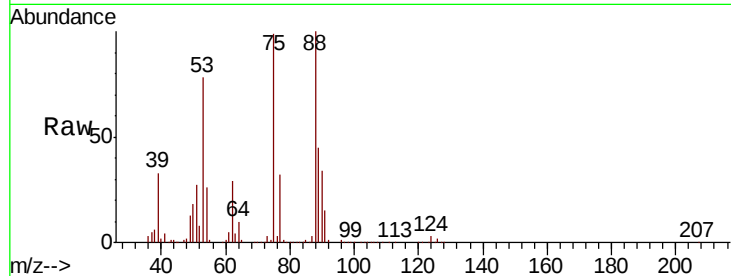
Tgt Ion: 75 Resp: 749421

Ion Ratio Lower Upper

75 100

53 78.2 45.4 136.2

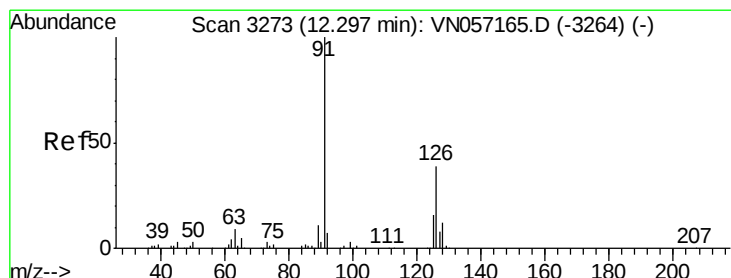
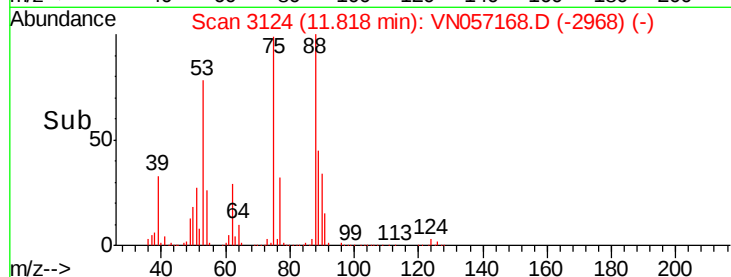
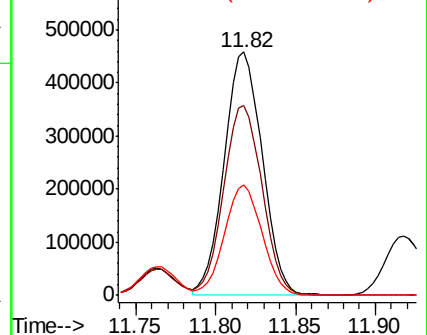
89 45.4 23.5 70.6



Abundance Ion 75.00 (74.70 to 75.70): VN057168.D (-2968) (-)

Ion 53.00 (52.70 to 53.70): VN057168.D (-2968) (-)

Ion 89.00 (88.70 to 89.70): VN057168.D (-2968) (-)



#78

4-Chlorotoluene

Concen: 169.594 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057168.D

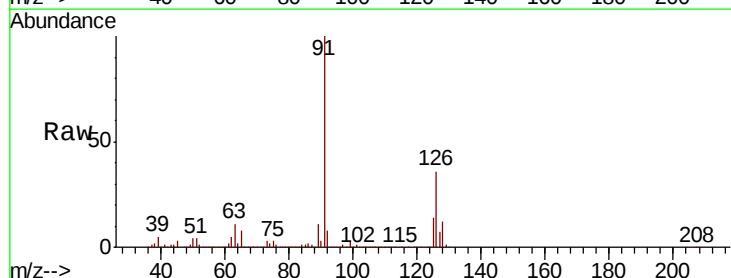
Acq: 10 Aug 2019 11:26

Tgt Ion: 91 Resp: 5345576

Ion Ratio Lower Upper

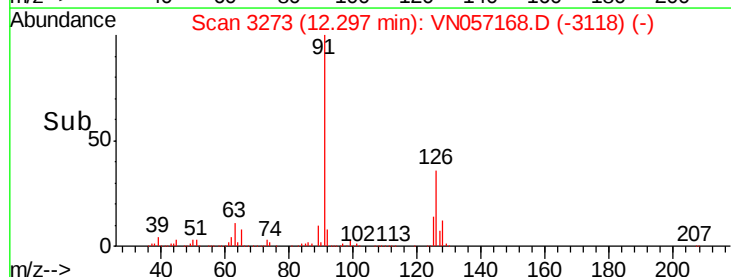
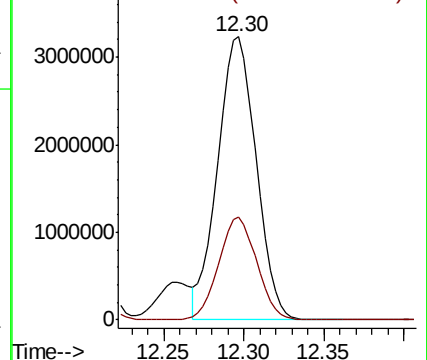
91 100

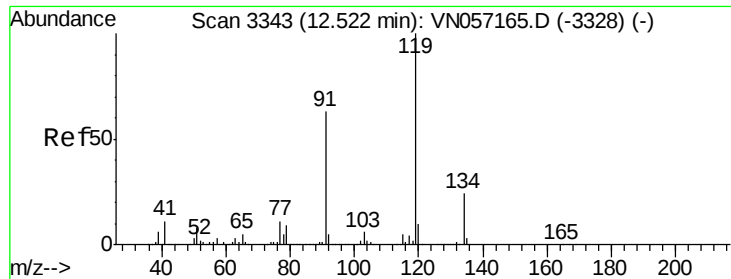
126 35.7 0.0 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN057168.D (-3118) (-)

Ion 126.00 (125.70 to 126.70): VN057168.D (-3118) (-)

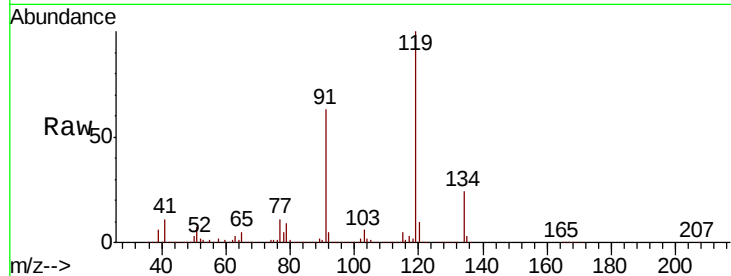




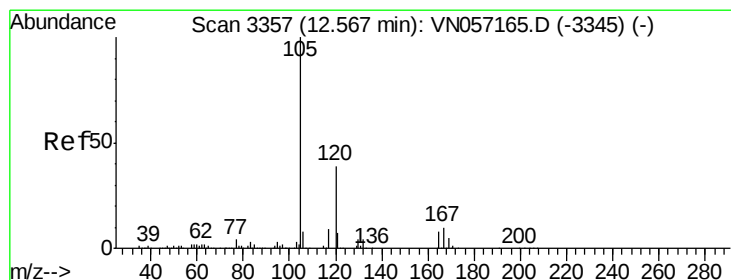
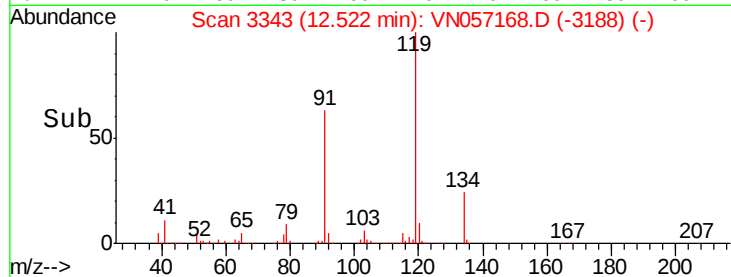
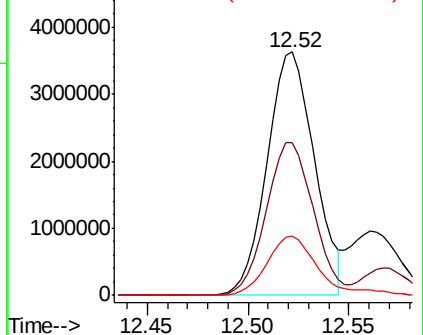
#79
tert-butylbenzene
Concen: 152.255 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 5905816
Ion Ratio Lower Upper
119 100
91 63.1 0.0 123.8
134 26.3 0.0 48.6

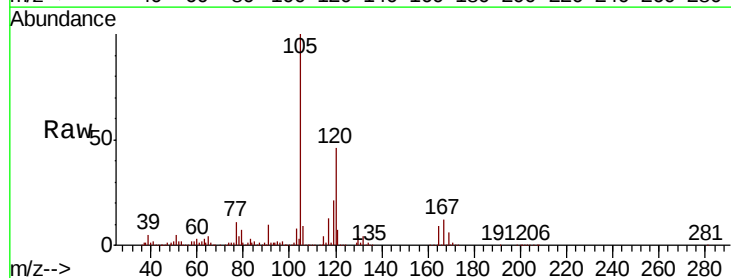


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

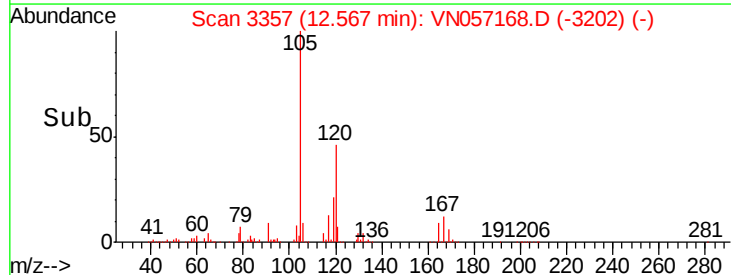
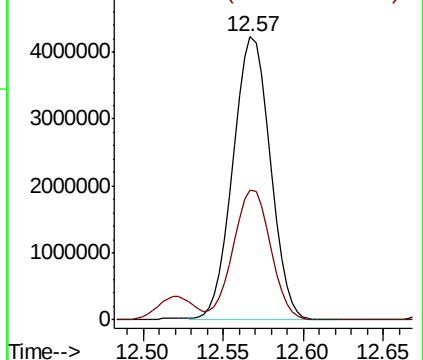


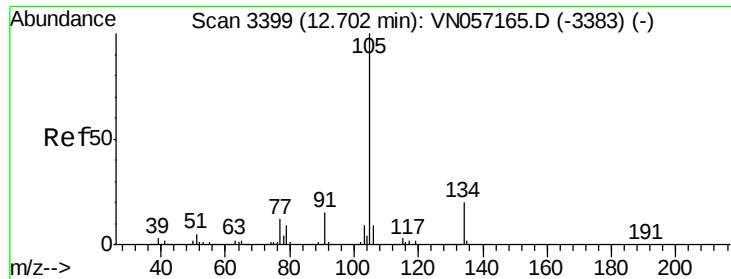
#80
1,2,4-Trimethylbenzene
Concen: 162.149 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion:105 Resp: 6729709
Ion Ratio Lower Upper
105 100
120 46.1 0.0 91.2



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

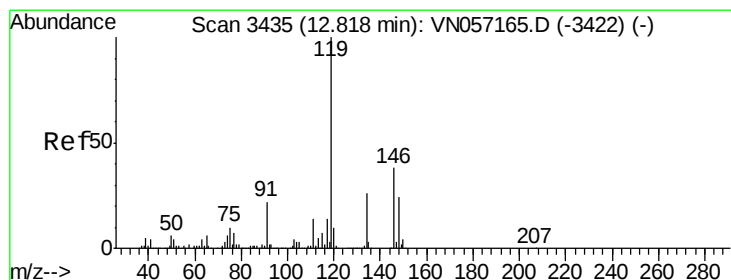
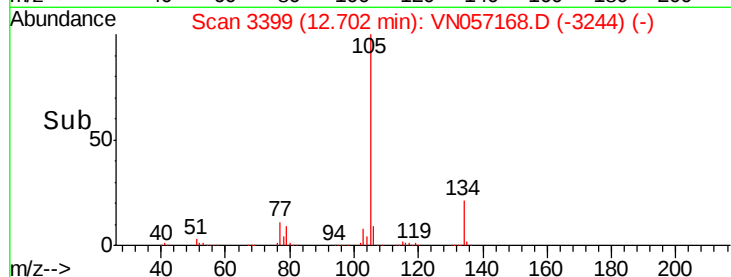
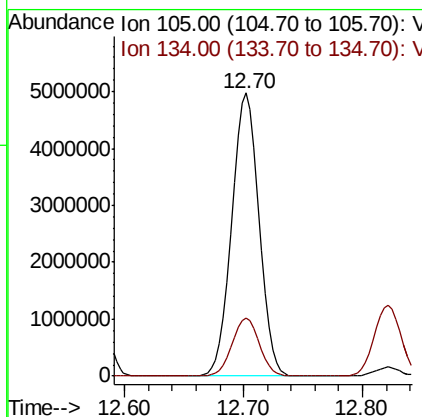
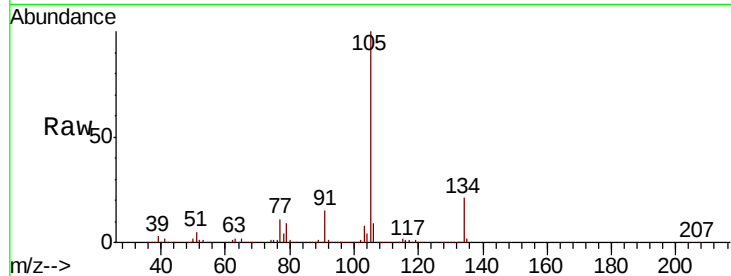




#81
 sec-Butylbenzene
 Concen: 161.004 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

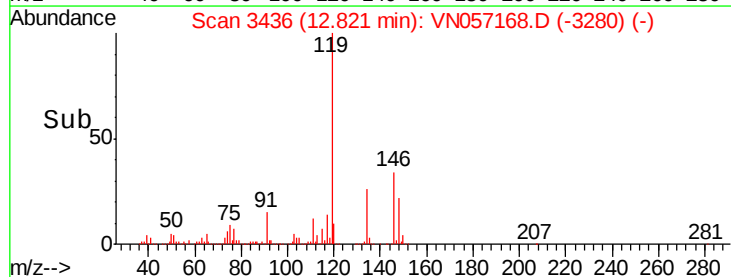
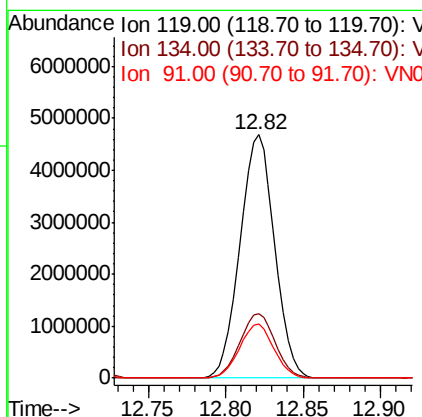
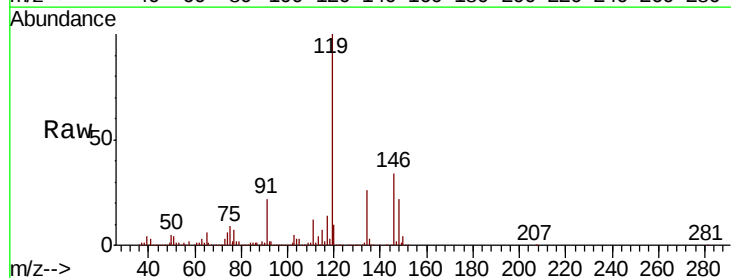
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

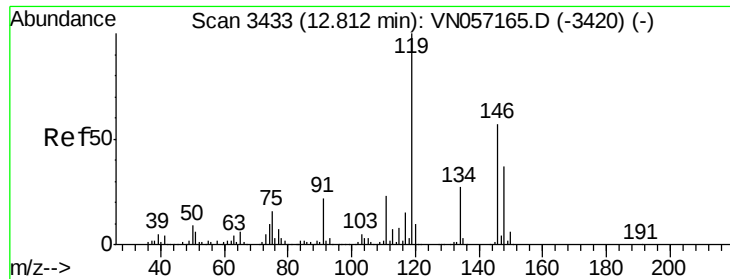
Tgt Ion:105 Resp: 7874340
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 167.017 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion:119 Resp: 7273514
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 54.2
 91 22.1 0.0 44.4

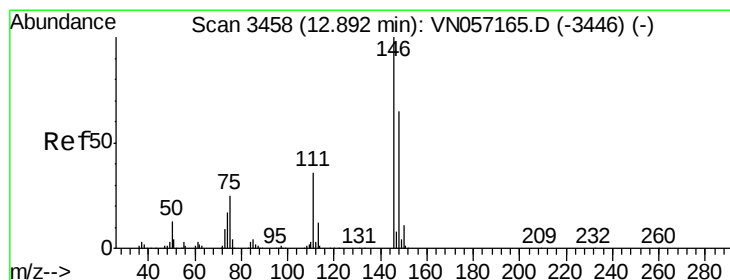
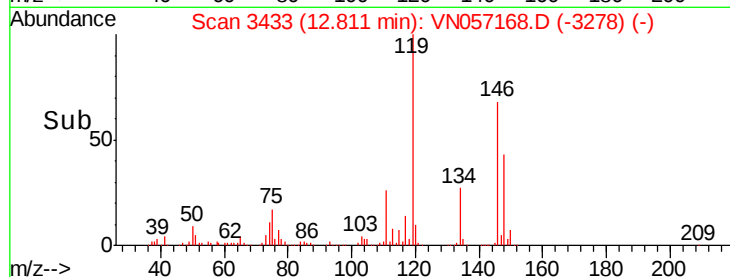
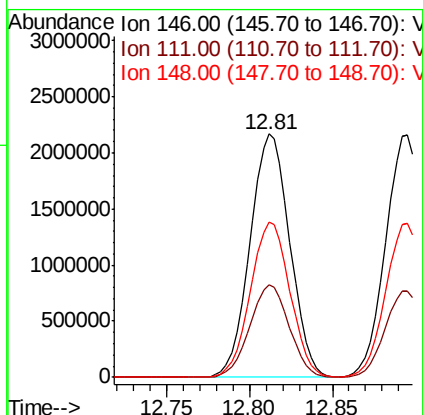
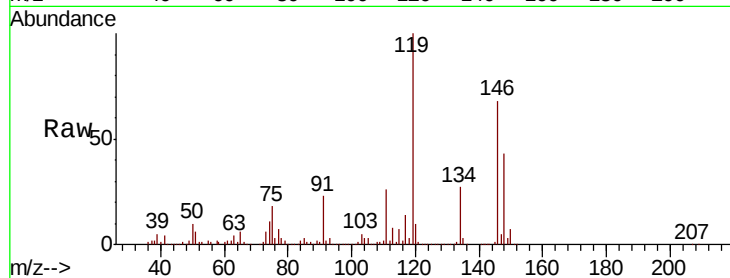




#83
 1,3-Dichlorobenzene
 Concen: 174.506 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

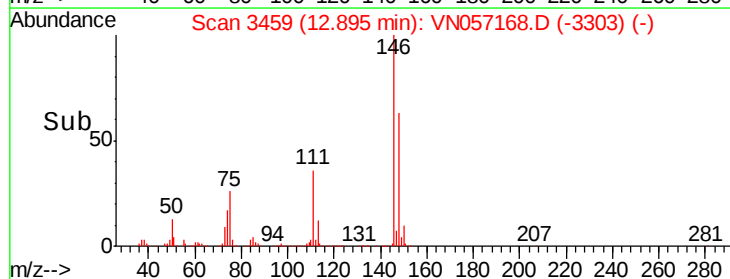
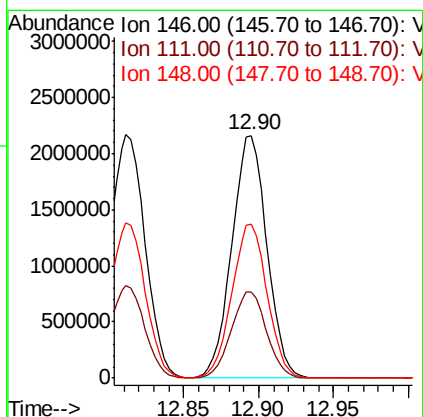
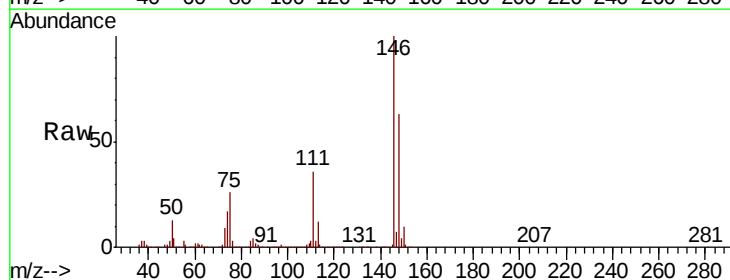
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

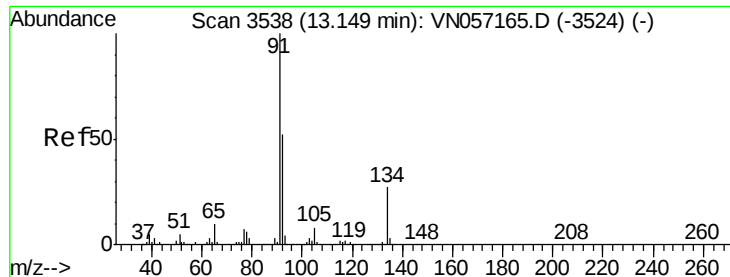
Tgt Ion:146 Resp: 3601267
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.6 32.6 97.8



#84
 1,4-Dichlorobenzene
 Concen: 183.635 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion:146 Resp: 3525185
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.0 54.0
 148 63.9 32.3 96.9

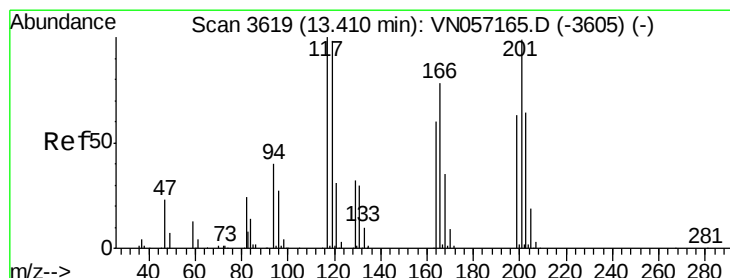
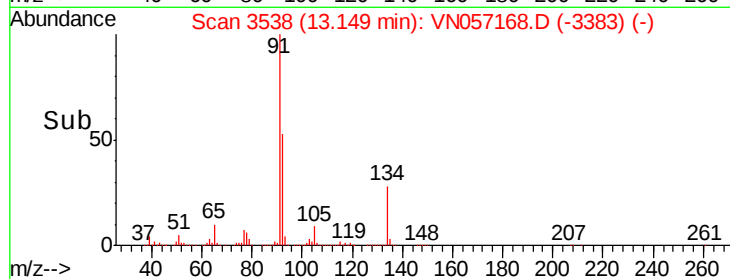
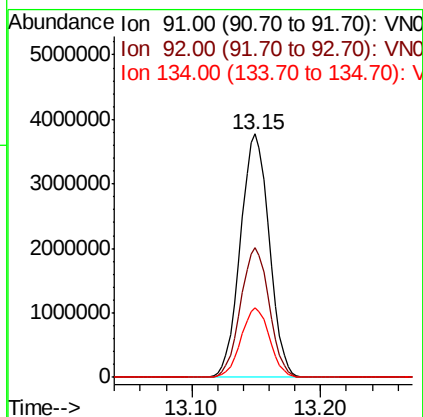
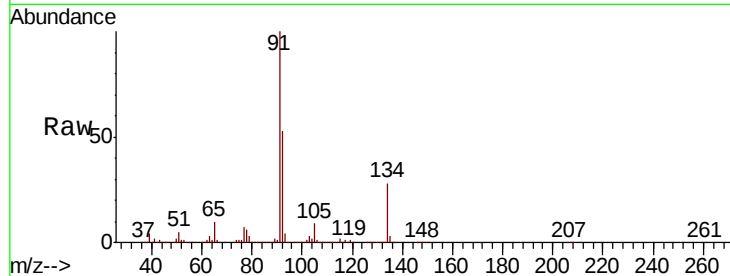




#85
n-Butylbenzene
Concen: 185.944 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

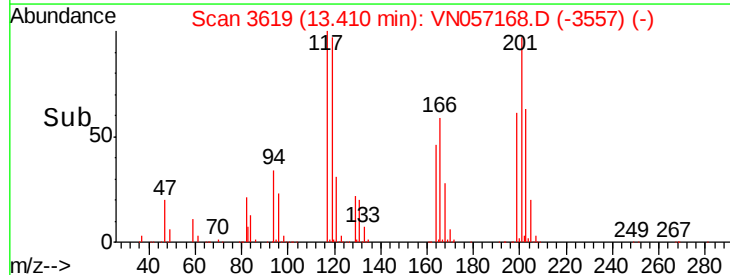
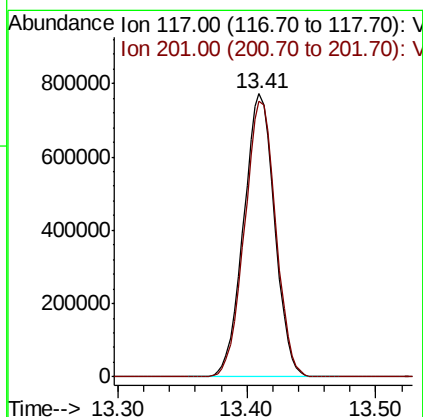
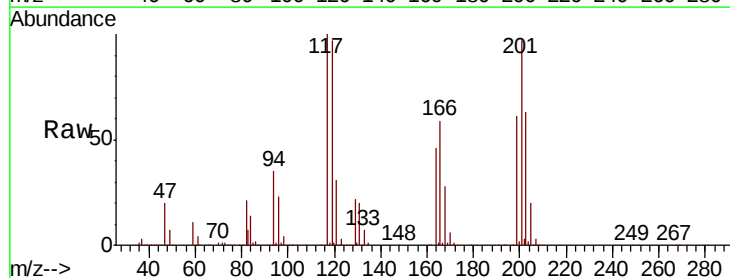
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

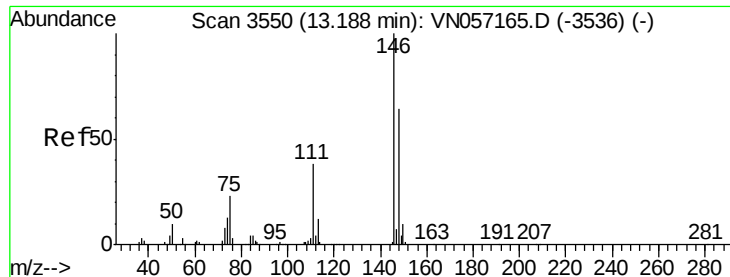
Tgt Ion: 91 Resp: 5855062
Ion Ratio Lower Upper
91 100
92 52.9 0.0 104.4
134 28.3 0.0 55.0



#86
Hexachloroethane
Concen: 162.949 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion: 117 Resp: 1290344
Ion Ratio Lower Upper
117 100
201 97.9 49.3 147.9

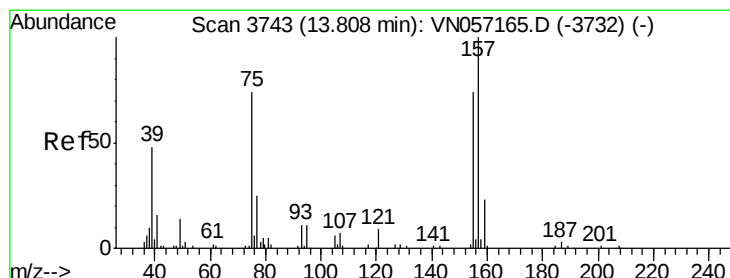
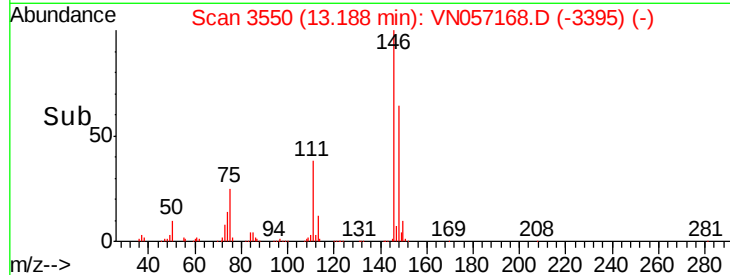
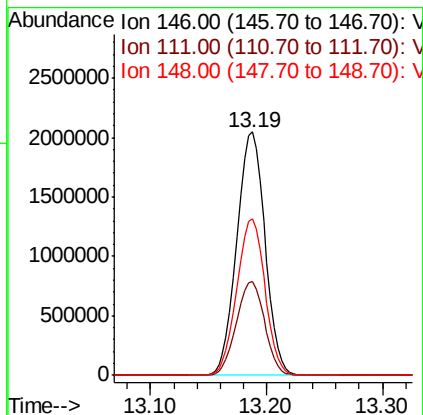
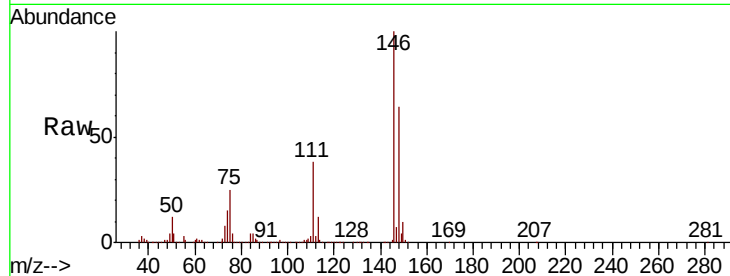




#87
 1,2-Dichlorobenzene
 Concen: 168.296 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

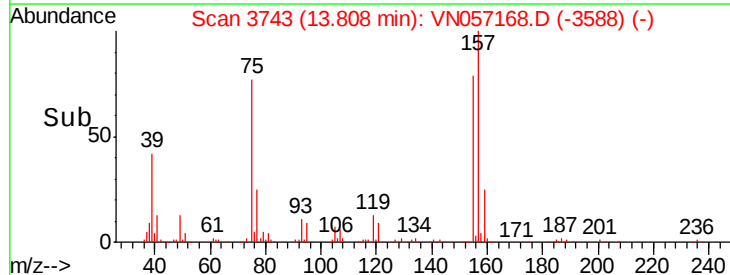
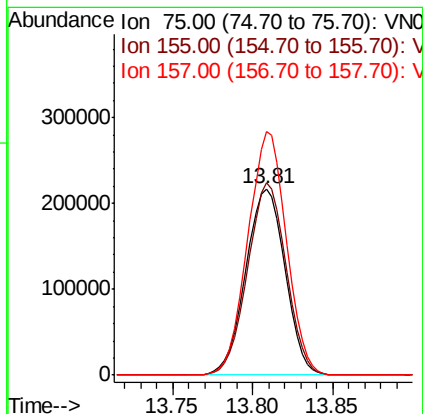
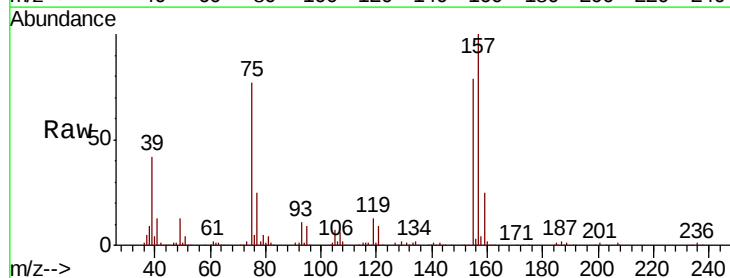
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

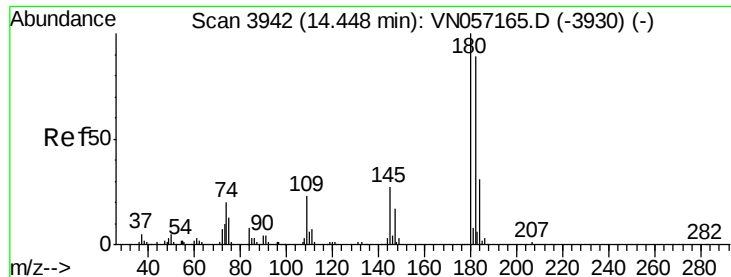
Tgt Ion:146 Resp: 3444289
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.5
 148 64.2 32.4 97.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 182.091 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion: 75 Resp: 365724
 Ion Ratio Lower Upper
 75 100
 155 101.2 80.9 121.3
 157 128.1 111.3 166.9

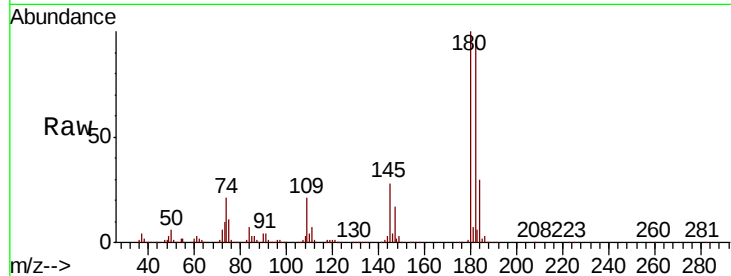




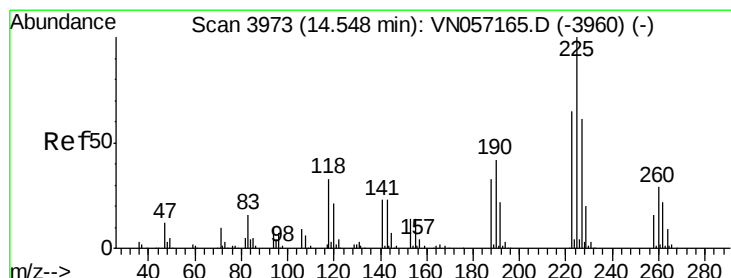
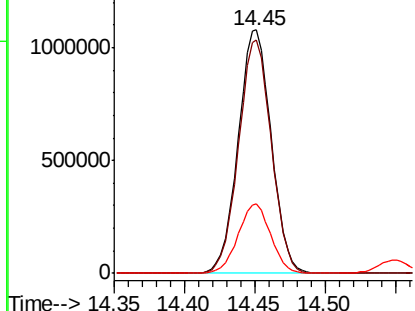
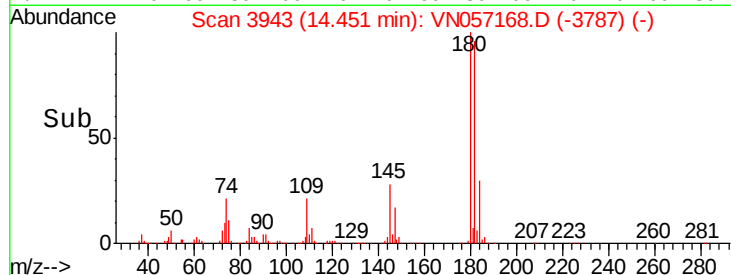
#89
 1,2,4-Trichlorobenzene
 Concen: 215.435 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1766501
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.6
 145 28.0 21.7 32.5

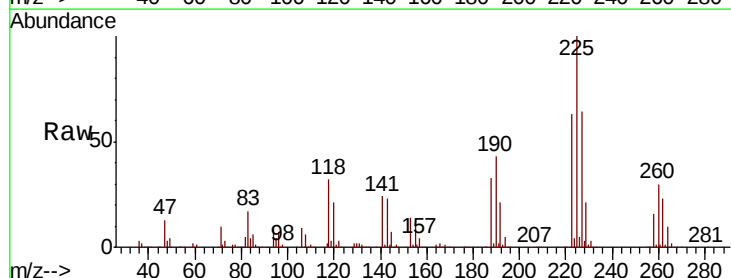


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

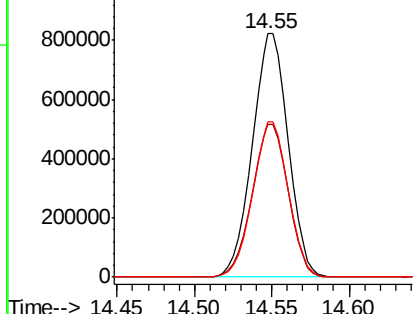
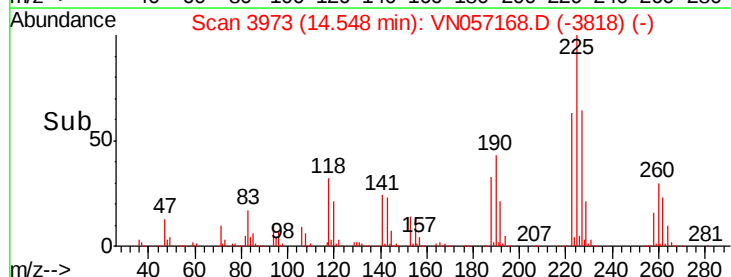


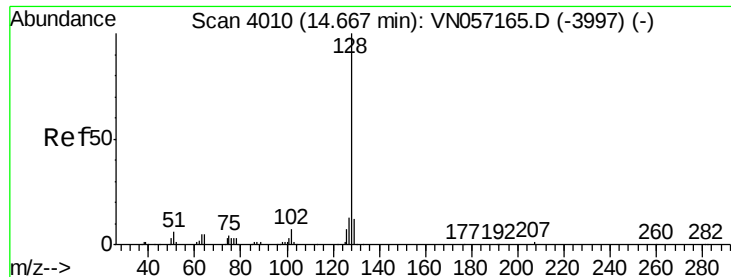
#90
 Hexachlorobutadiene
 Concen: 150.258 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VN057168.D
 Acq: 10 Aug 2019 11:26

Tgt Ion:225 Resp: 1325735
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 128.0
 227 63.2 0.0 125.6



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

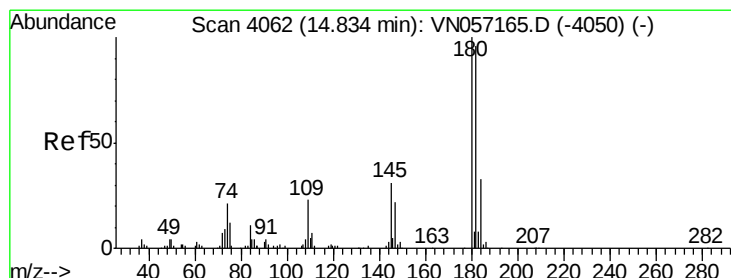
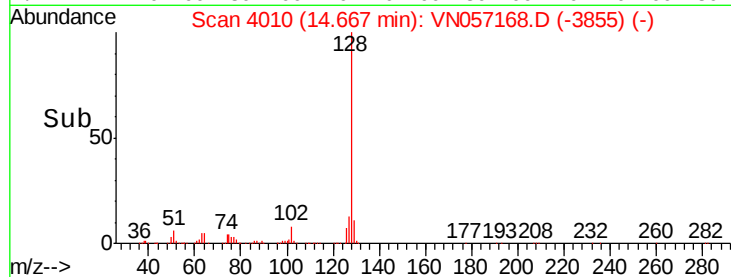
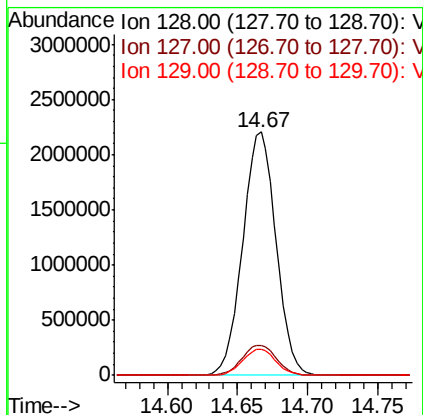
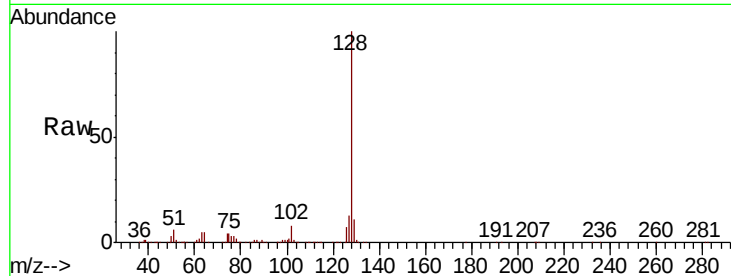




#91
Naphthalene
Concen: 235.050 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 3651523
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 209.780 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. -0.00 min
Lab File: VN057168.D
Acq: 10 Aug 2019 11:26

Tgt Ion:180 Resp: 1580535
Ion Ratio Lower Upper
180 100
182 94.5 0.0 195.8
145 29.6 0.0 61.2

