

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054136.D
 Acq On : 11 Mar 2019 11:56
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Mar 12 01:25:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1648649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2456119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2214737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1120350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1696644	96.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.46%	
35) Dibromofluoromethane	7.59	113	1541399	97.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.54%	
50) Toluene-d8	10.09	98	5739935	98.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.64%	
62) 4-Bromofluorobenzene	12.40	95	2077283	101.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1223813	90.082	ug/l	100
3) Chloromethane	2.06	50	1476765	91.340	ug/l	99
4) Vinyl Chloride	2.19	62	1660504	91.124	ug/l	99
5) Bromomethane	2.57	94	1125988	90.136	ug/l	99
6) Chloroethane	2.71	64	1035532	91.399	ug/l	99
7) Trichlorofluoromethane	3.02	101	2284030	90.959	ug/l	99
8) Diethyl Ether	3.41	74	929588	91.990	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1464699	90.585	ug/l	96
10) Methyl Iodide	3.94	142	2182910	105.648	ug/l	98
11) Tert butyl alcohol	4.82	59	614968	505.210	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1440671	92.219	ug/l	91
13) Acrolein	3.61	56	499231	505.552	ug/l	100
14) Allyl chloride	4.32	41	2033332	89.796	ug/l	87
15) Acrylonitrile	5.00	53	2457819	499.739	ug/l	98
16) Acetone	3.82	43	2305474	522.733	ug/l	95
17) Carbon Disulfide	4.04	76	3731011	92.534	ug/l	100
18) Methyl Acetate	4.33	43	1096555	96.755	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	4065077	95.711	ug/l	97
20) Methylene Chloride	4.55	84	1440748	90.860	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	1418167	92.441	ug/l	94
22) Diisopropyl ether	5.96	45	4103944	98.132	ug/l #	97
23) Vinyl Acetate	5.90	43	15855263	502.111	ug/l	96
24) 1,1-Dichloroethane	5.85	63	2538152	93.621	ug/l	99
25) 2-Butanone	6.85	43	3025297	514.358	ug/l	94
26) 2,2-Dichloropropane	6.82	77	2351866	93.937	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1674206	95.405	ug/l	94
28) Bromochloromethane	7.20	49	1154374	97.909	ug/l #	76
29) Tetrahydrofuran	7.22	42	1874151	495.937	ug/l	89
30) Chloroform	7.37	83	2694434	93.852	ug/l	97
31) Cyclohexane	7.65	56	2235170	99.028	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	2461031	94.703	ug/l	97
36) 1,1-Dichloropropene	7.79	75	2035029	95.201	ug/l	98
37) Ethyl Acetate	6.94	43	1307847	94.348	ug/l	98
38) Carbon Tetrachloride	7.77	117	2219507	93.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2520179	95.762	ug/l	94
40) Benzene	8.04	78	5905041	96.134	ug/l	99
41) Methacrylonitrile	7.18	41	714900	99.055	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	2018022	95.291	ug/l	100
43) Isopropyl Acetate	8.17	43	2383177	103.425	ug/l #	89
44) Trichloroethene	8.83	130	1829047	96.487	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1512774	96.377	ug/l	100
46) Dibromomethane	9.21	93	1014180	95.241	ug/l	93
47) Bromodichloromethane	9.40	83	2136526	96.793	ug/l	100
48) Methyl methacrylate	9.20	41	1206273	97.375	ug/l	96
49) 1,4-Dioxane	9.21	88	320350	1993.190	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	6388725	516.914	ug/l	98
52) Toluene	10.16	92	3825384	97.266	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	2345624	104.363	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2538649	100.578	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	1440069	97.124	ug/l	98
56) Ethyl methacrylate	10.43	69	1884366	103.831	ug/l	94
57) 1,3-Dichloropropane	10.71	76	2365848	98.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3341241	498.646	ug/l #	90
59) 2-Hexanone	10.75	43	4277072	521.448	ug/l	97
60) Dibromochloromethane	10.90	129	1771165	103.124	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1490902	100.061	ug/l	98
64) Tetrachloroethene	10.63	164	1806395	88.582	ug/l	98
65) Chlorobenzene	11.43	112	4457832	94.997	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1717672	97.299	ug/l	98
67) Ethyl Benzene	11.51	91	7410113	94.996	ug/l	98
68) m/p-Xylenes	11.62	106	5840536	191.465	ug/l	98
69) o-Xylene	11.95	106	2857679	95.439	ug/l	97
70) Styrene	11.96	104	4674082	100.769	ug/l	99
71) Bromoform	12.13	173	1313285	107.344	ug/l #	99
73) Isopropylbenzene	12.25	105	7584691	85.115	ug/l	99
74) N-amyl acetate	12.07	43	2009860	99.025	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	1756395	91.083	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	2301175	145.448	ug/l #	100
77) Bromobenzene	12.53	156	2039020	87.908	ug/l	91
78) n-propylbenzene	12.59	91	8551206	89.677	ug/l	96
79) 2-Chlorotoluene	12.68	91	5043238	86.401	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	6464338	87.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	536813	101.000	ug/l	93
82) 4-Chlorotoluene	12.77	91	5237394	92.033	ug/l	97
83) tert-Butylbenzene	12.99	119	5814441	85.228	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	6538100	90.390	ug/l	98
85) sec-Butylbenzene	13.17	105	7682943	86.913	ug/l	97
86) p-Isopropyltoluene	13.29	119	6937874	89.945	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3649363	94.154	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3596190	93.964	ug/l	99
89) n-Butylbenzene	13.62	91	5864061	99.127	ug/l	98
90) Hexachloroethane	13.88	117	1258443	91.366	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3529948	92.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	308197	92.825	ug/l	88

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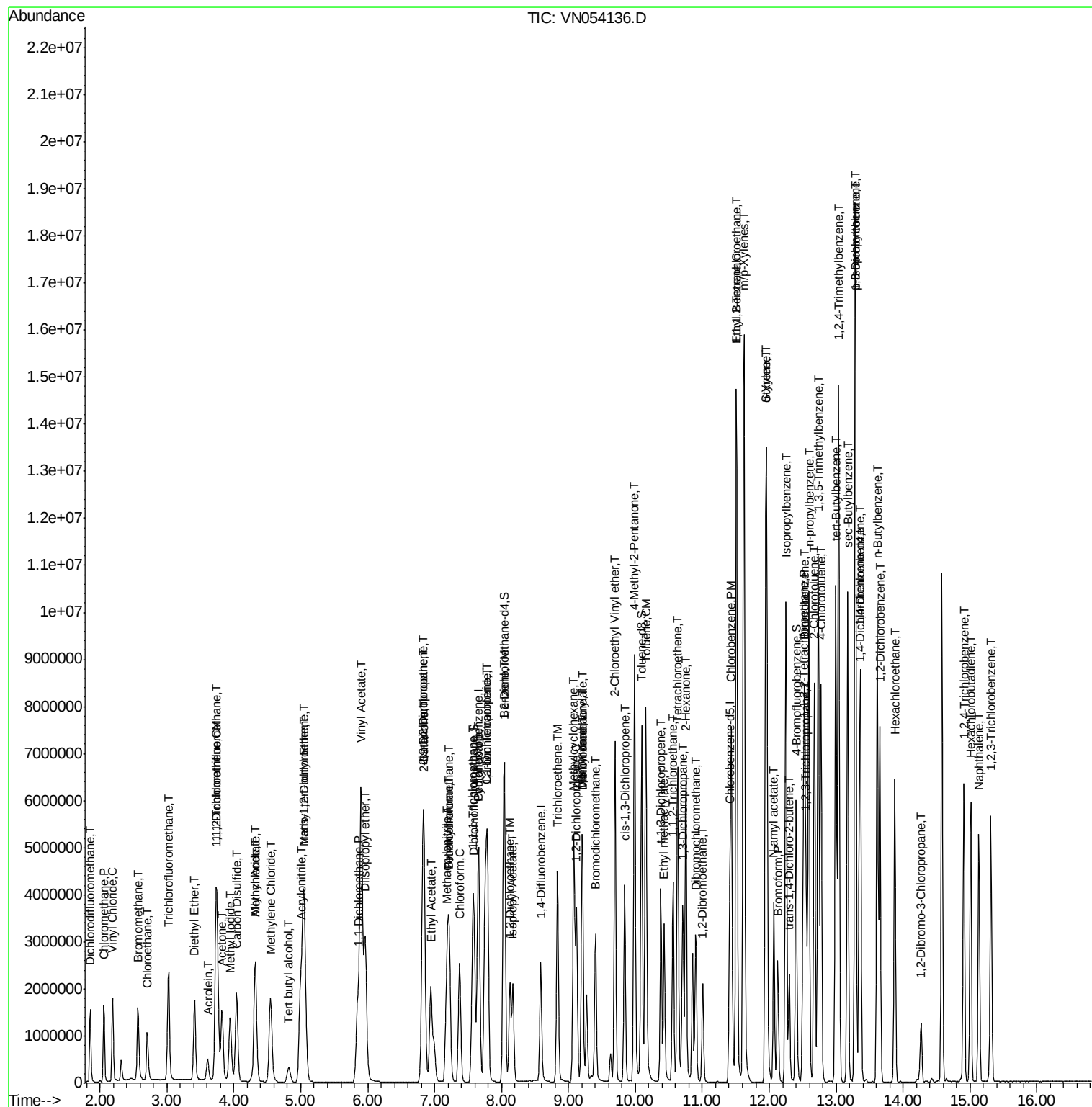
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2259498	114.464	ug/l	99
94) Hexachlorobutadiene	15.01	225	1310029	87.041	ug/l	100
95) Naphthalene	15.13	128	4705258	112.347	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	2151250	107.556	ug/l	100

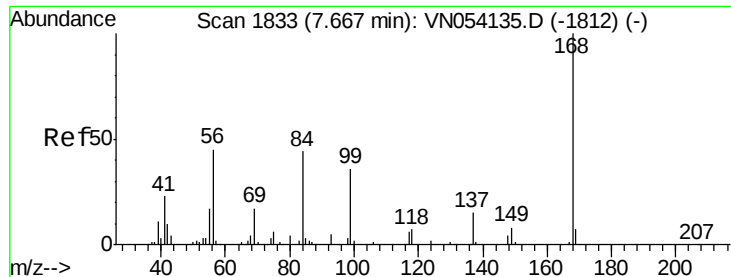
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031119\
Data File : VN054136.D
Acq On : 11 Mar 2019 11:56
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Instrument :
MSVOA_N
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

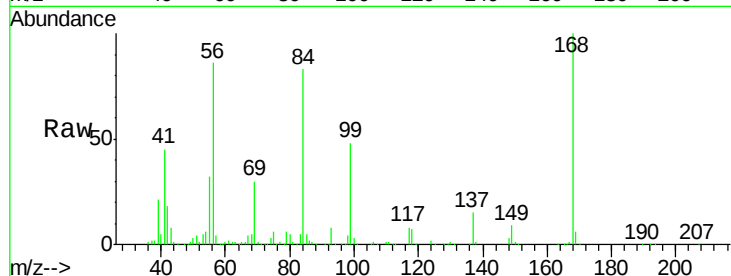
VSTDIC100

Tot Ion:168 Resp: 1648649

Ion Ratio Lower Upper

168 100

99 47.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

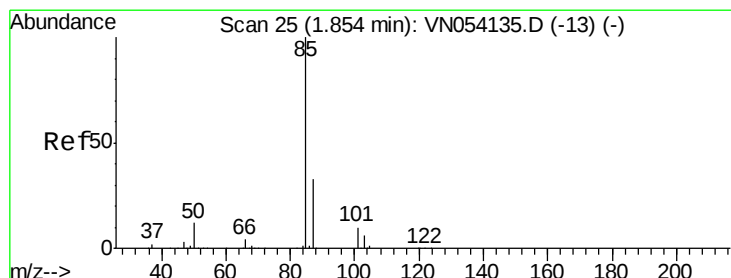
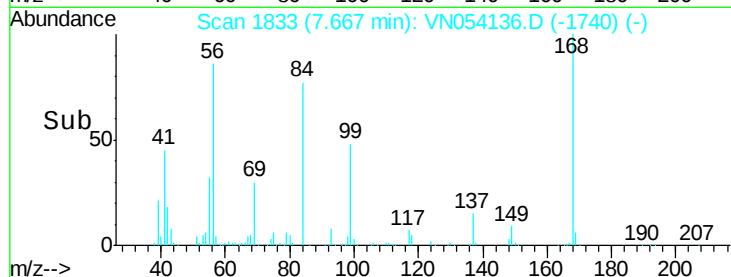
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 90.082 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054136.D

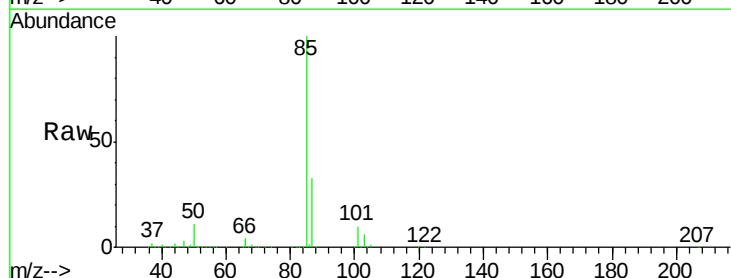
Acq: 11 Mar 2019 11:56

Tgt Ion: 85 Resp: 1223813

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

1000000

800000

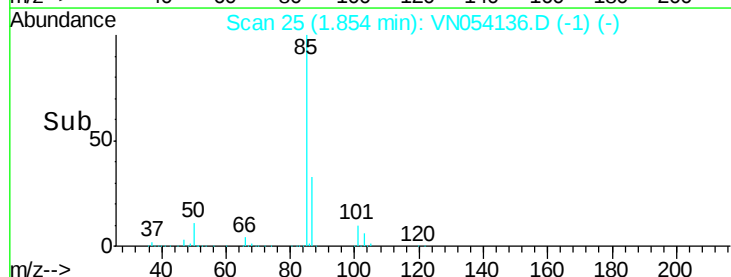
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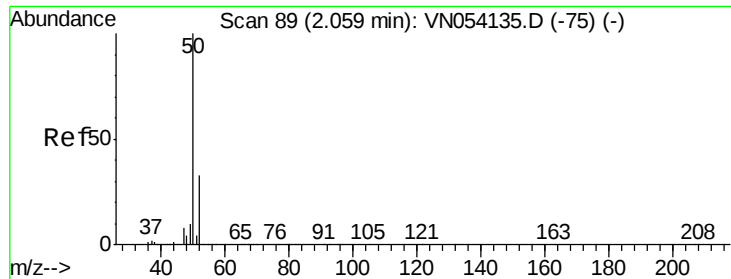
400000

200000

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Time-->





#3

Chloromethane

Concen: 91.340 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

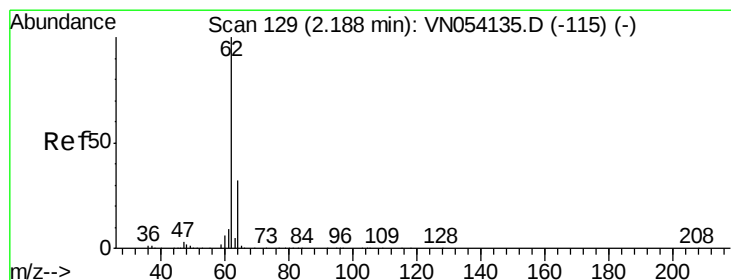
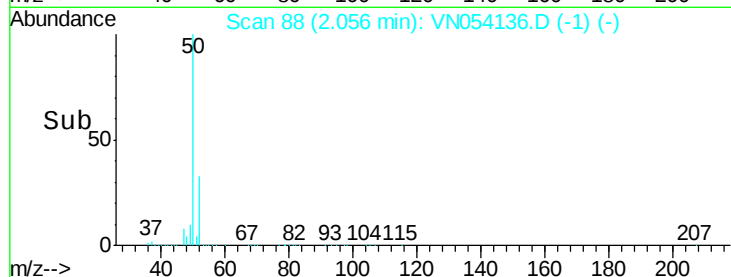
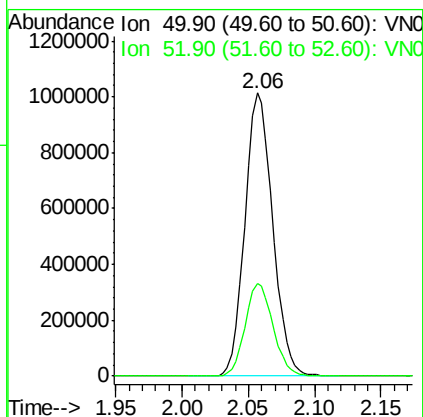
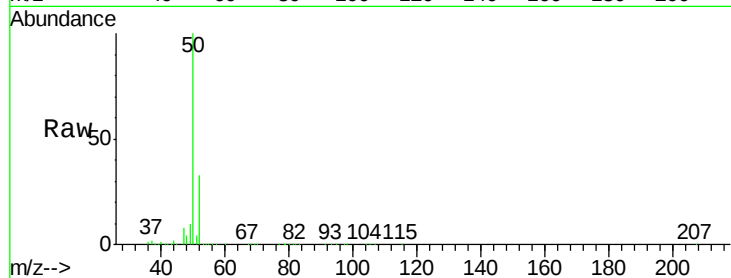
VSTDIC100

Tot Ion: 50 Resp: 1476765

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 91.124 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054136.D

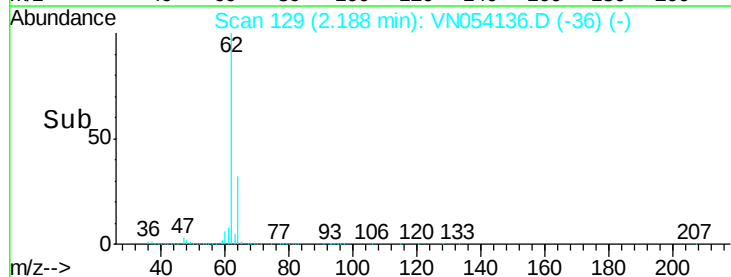
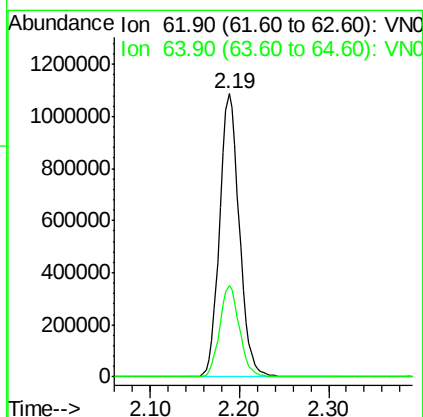
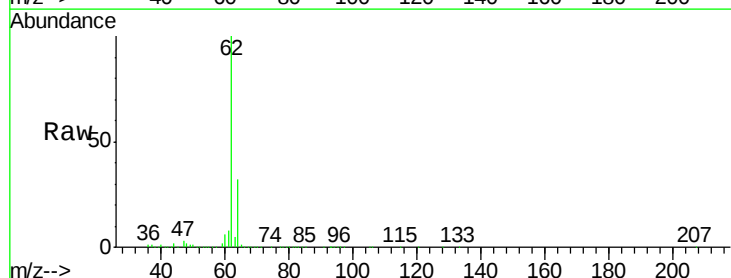
Acq: 11 Mar 2019 11:56

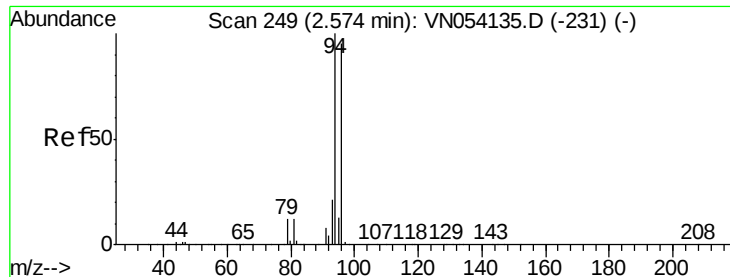
Tgt Ion: 62 Resp: 1660504

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 90.136 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

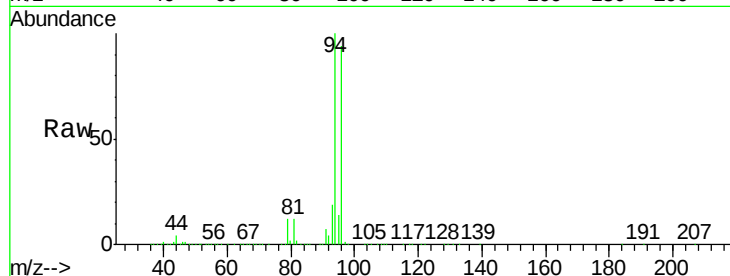
VSTDIC100

Tot Ion: 94 Resp: 1125988

Ion Ratio Lower Upper

94 100

96 94.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

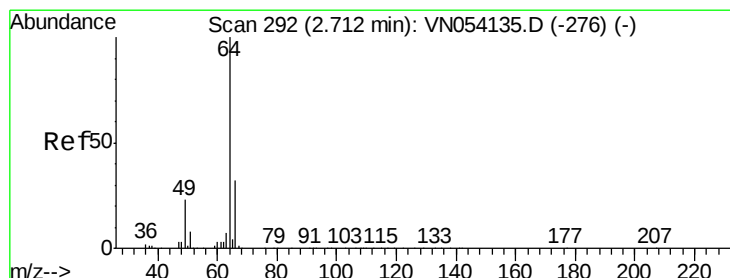
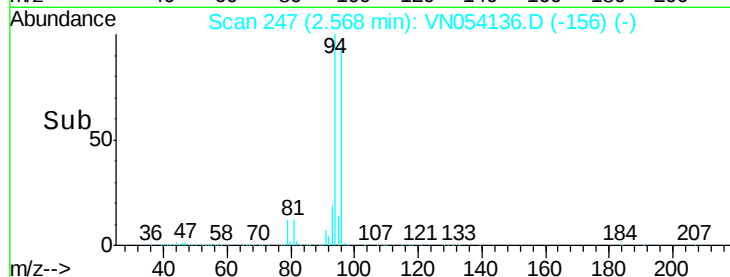
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 91.399 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN054136.D

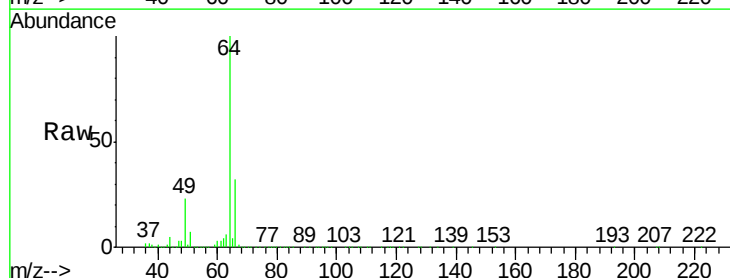
Acq: 11 Mar 2019 11:56

Tgt Ion: 64 Resp: 1035532

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

600000

500000

400000

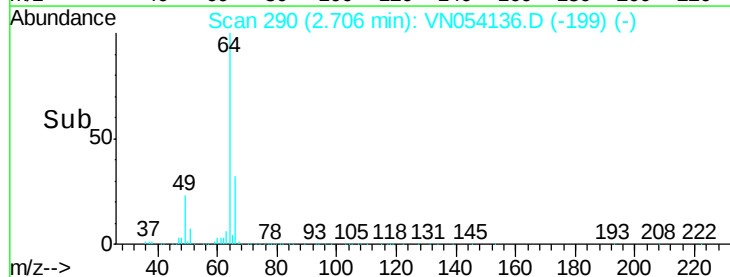
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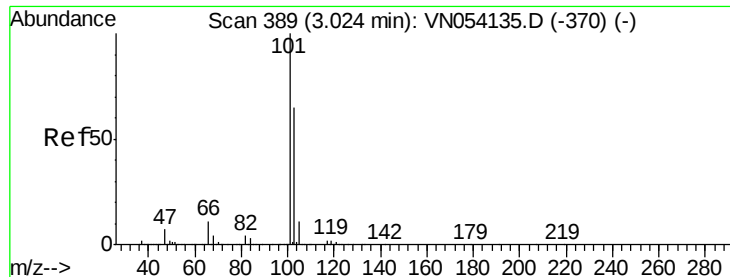
200000

100000

0

Time-->



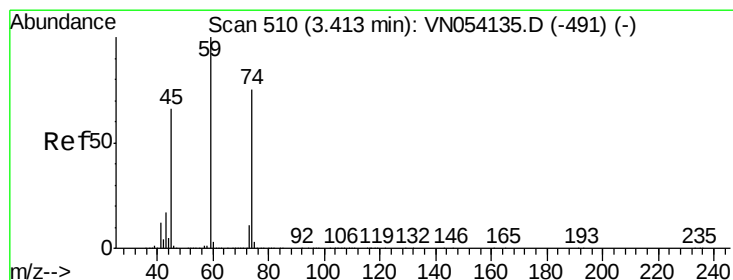
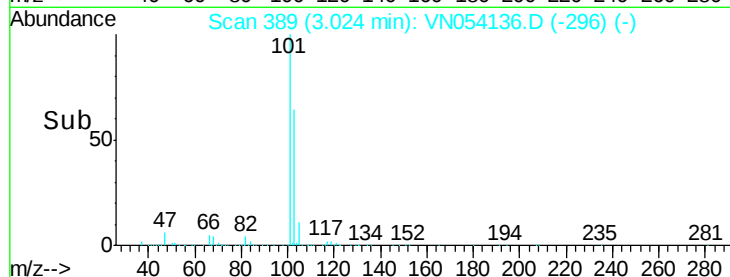
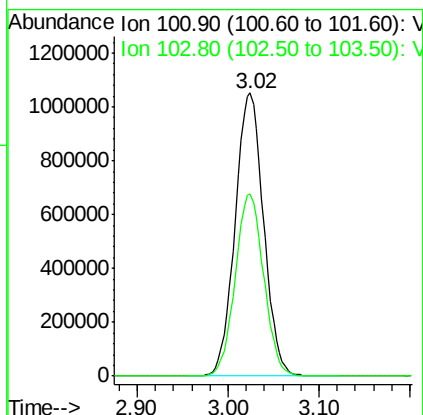
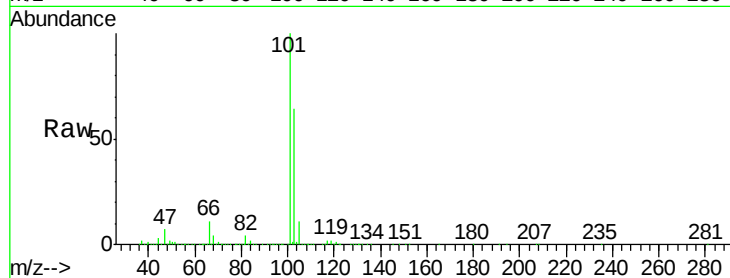


#7

Trichlorofluoromethane
Concen: 90.959 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_N
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VSTDIC100

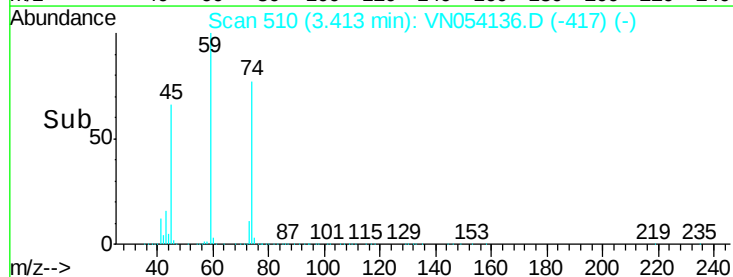
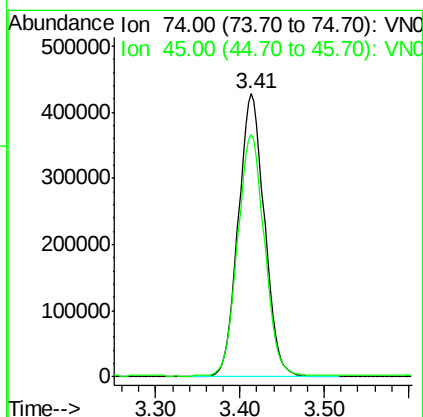
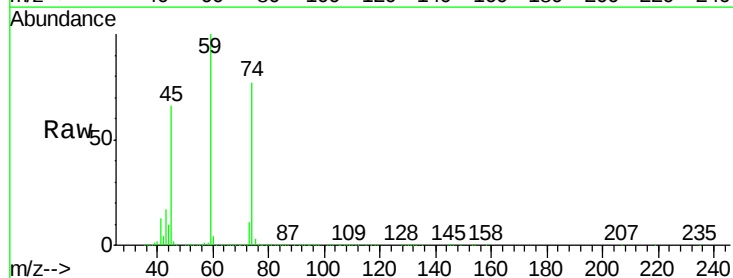
Tot Ion:101 Resp: 2284030
Ion Ratio Lower Upper
101 100
103 64.2 52.0 78.0

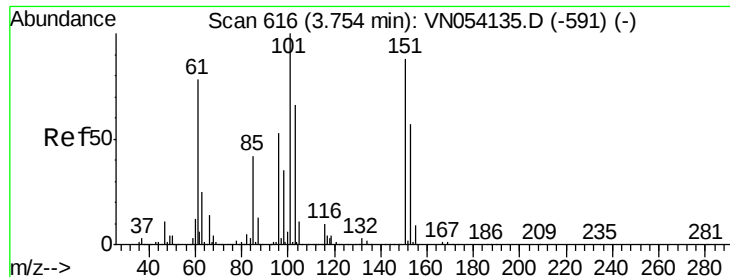


#8

Diethyl Ether
Concen: 91.990 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 74 Resp: 929588
Ion Ratio Lower Upper
74 100
45 87.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.585 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

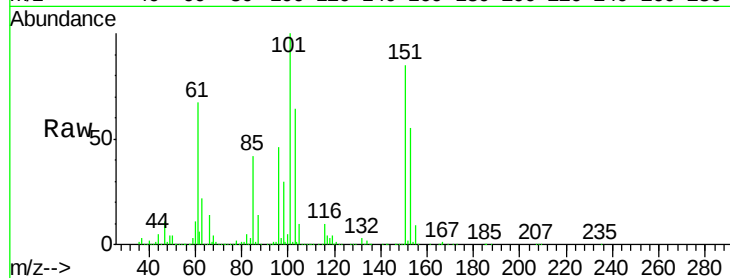
Tot Ion:101 Resp: 1464699

Ion	Ratio	Lower	Upper
101	100		
85	41.1	33.1	49.7
151	85.5	64.3	96.5

101 100

85 41.1 33.1 49.7

151 85.5 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

3.75

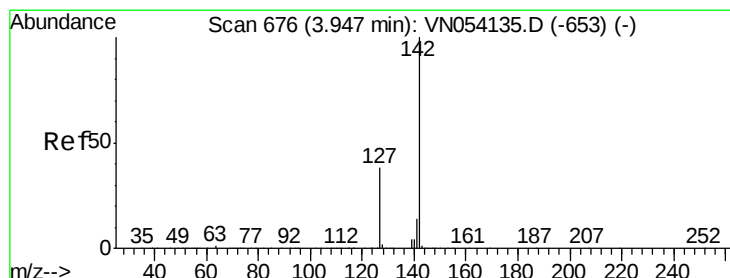
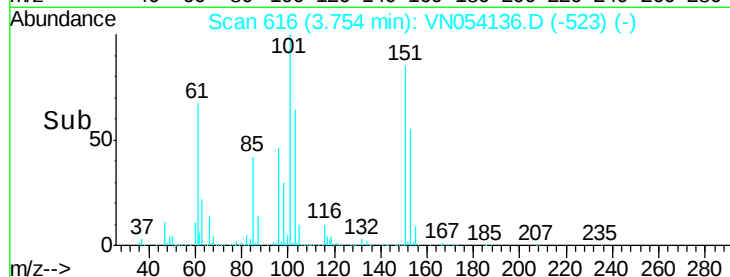
400000

200000

0

Time-->

3.60 3.70 3.80 3.90



#10

Methyl Iodide

Concen: 105.648 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

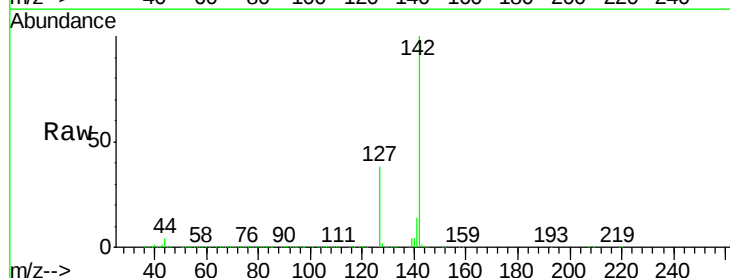
Tgt Ion:142 Resp: 2182910

Ion	Ratio	Lower	Upper
142	100		
127	38.0	31.9	47.9
141	13.9	11.4	17.0

142 100

127 38.0 31.9 47.9

141 13.9 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

800000

600000

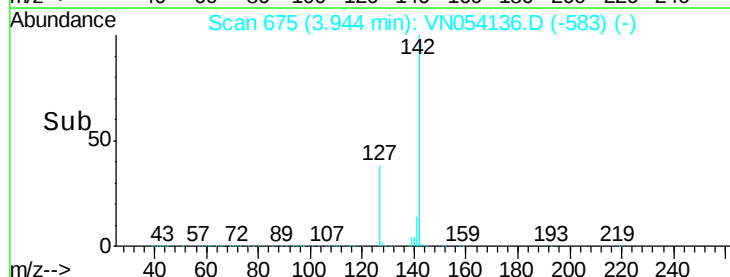
400000

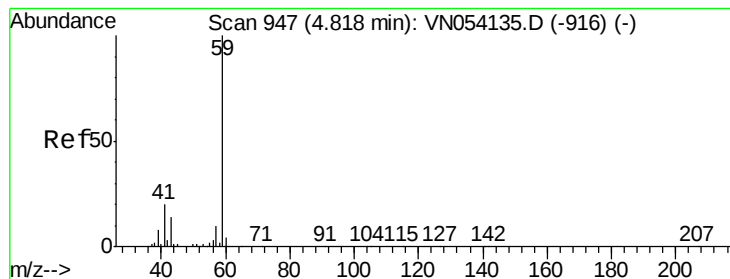
200000

0

Time-->

3.80 3.90 4.00 4.10



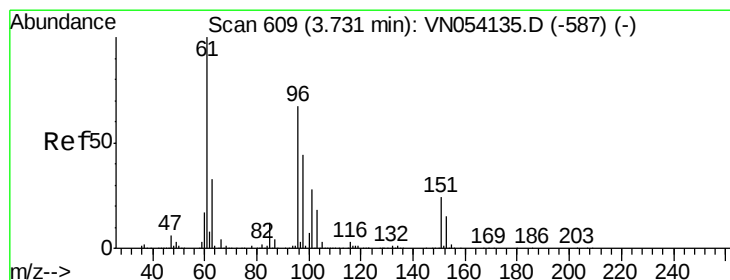
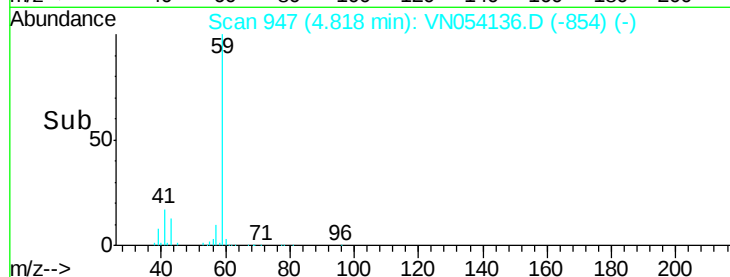
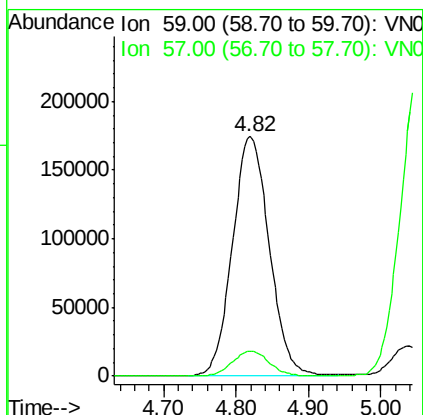
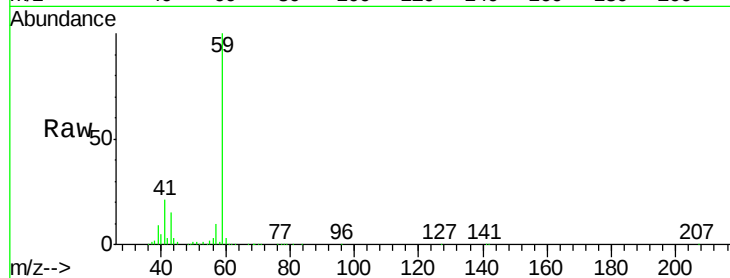


#11

Tert butyl alcohol
 Concen: 505.210 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

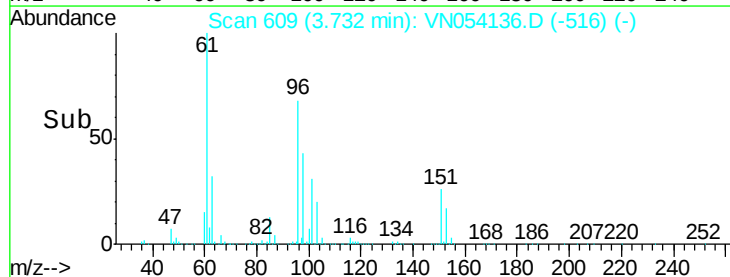
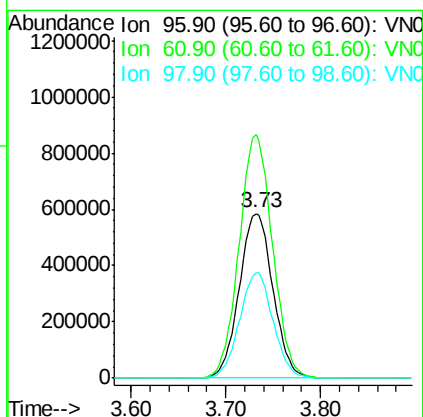
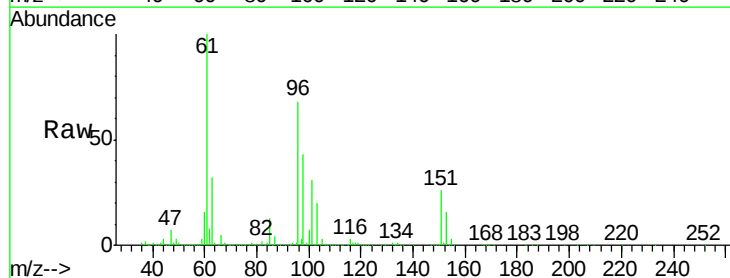
Tot Ion: 59 Resp: 614968
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

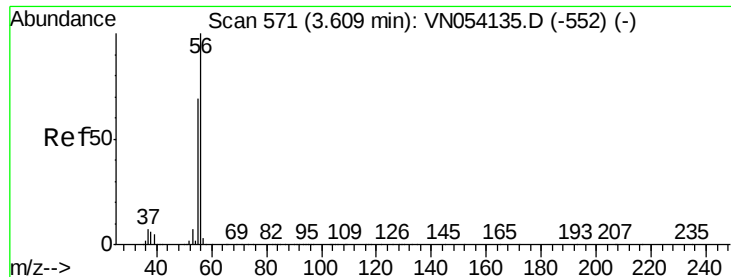


#12

1,1-Dichloroethene
 Concen: 92.219 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

Tgt Ion: 96 Resp: 1440671
 Ion Ratio Lower Upper
 96 100
 61 148.2 131.2 196.8
 98 64.2 50.7 76.1





#13

Acrolein

Concen: 505.552 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

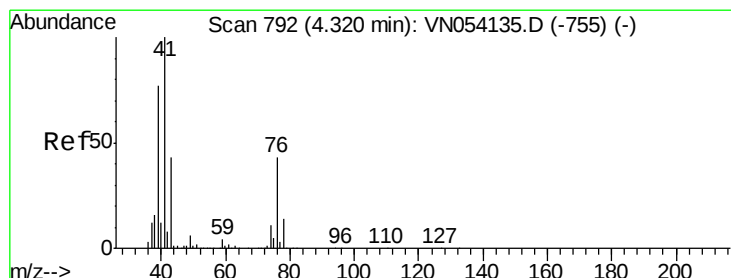
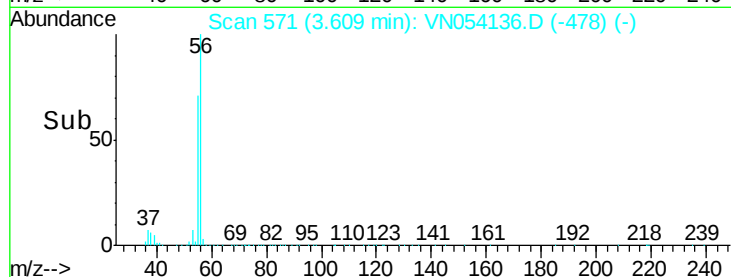
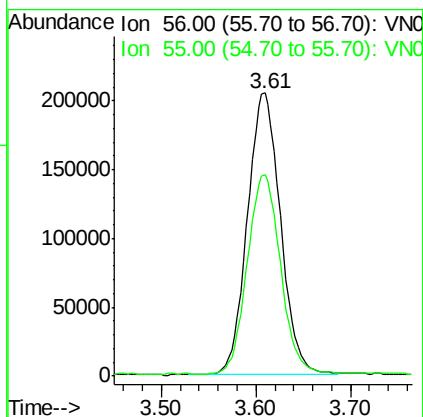
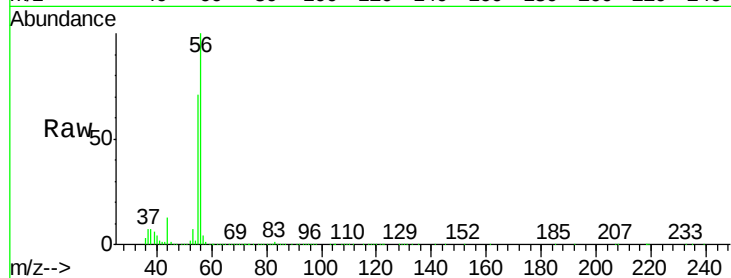
VSTDIC100

Tot Ion: 56 Resp: 499231

Ion Ratio Lower Upper

56 100

55 71.1 57.1 85.7



#14

Allyl chloride

Concen: 89.796 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

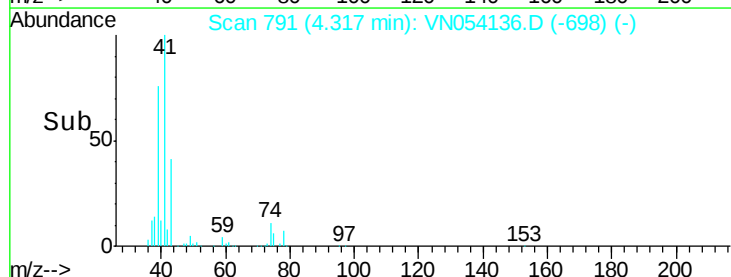
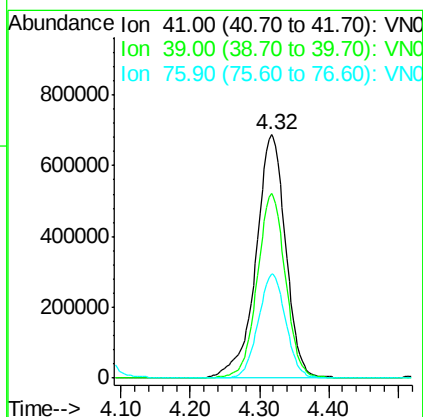
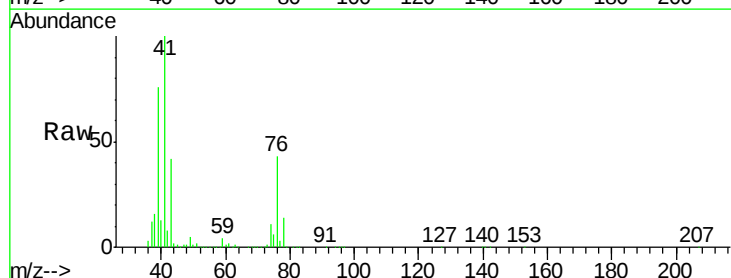
Tgt Ion: 41 Resp: 2033332

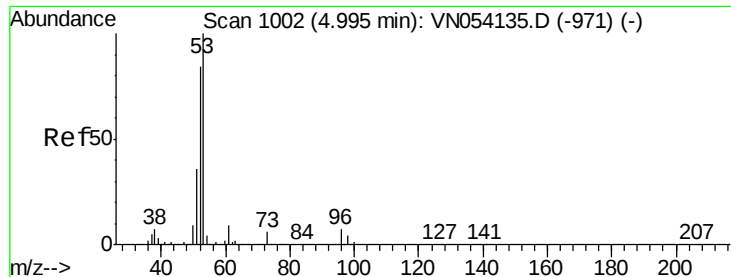
Ion Ratio Lower Upper

41 100

39 72.4 49.3 73.9

76 39.5 26.5 39.7





#15

Acrylonitrile

Concen: 499.739 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

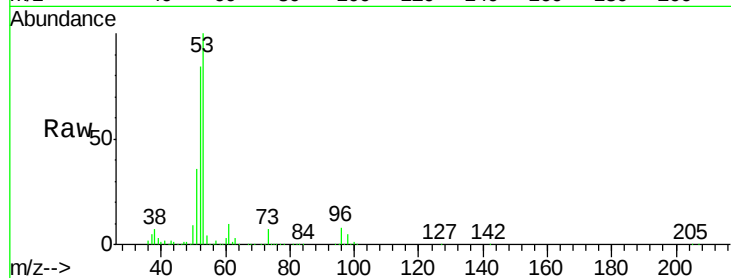
Tot Ion: 53 Resp: 2457819

Ion Ratio Lower Upper

53 100

52 83.1 64.6 97.0

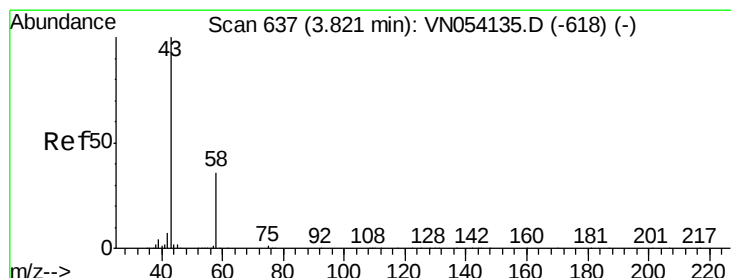
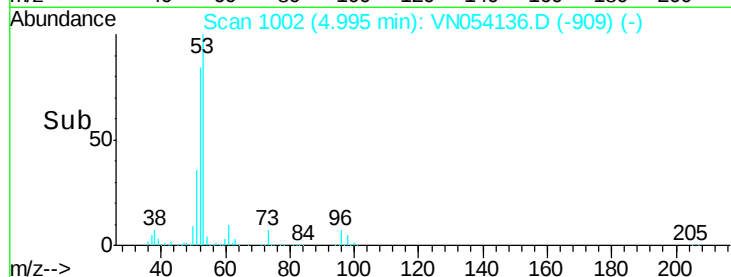
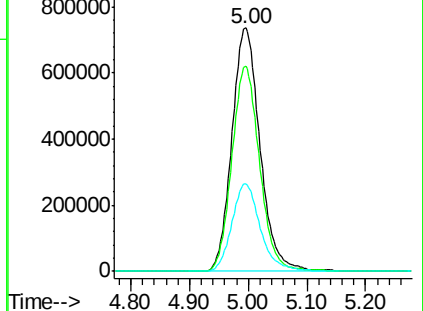
51 36.5 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 522.733 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054136.D

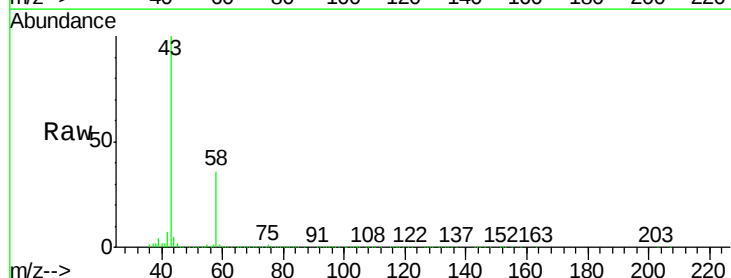
Acq: 11 Mar 2019 11:56

Tgt Ion: 43 Resp: 2305474

Ion Ratio Lower Upper

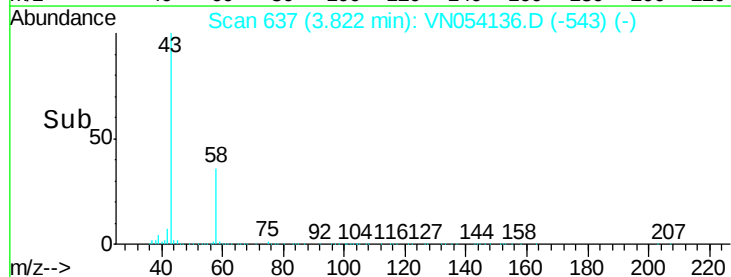
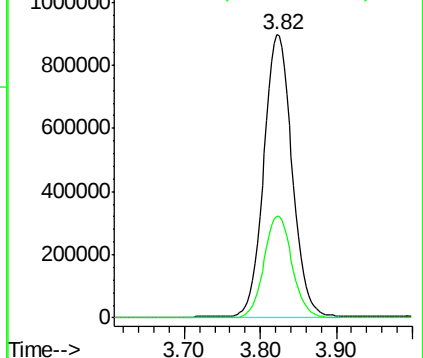
43 100

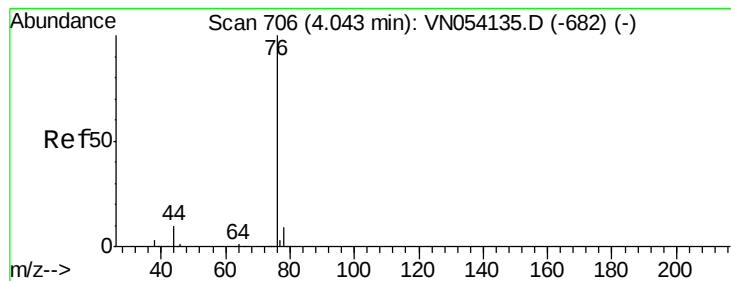
58 36.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 92.534 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

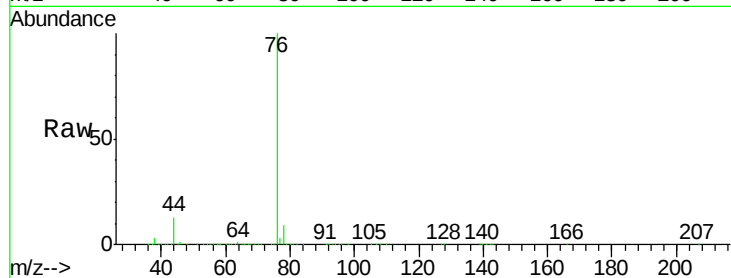
VSTDIC100

Tot Ion: 76 Resp: 3731011

Ion Ratio Lower Upper

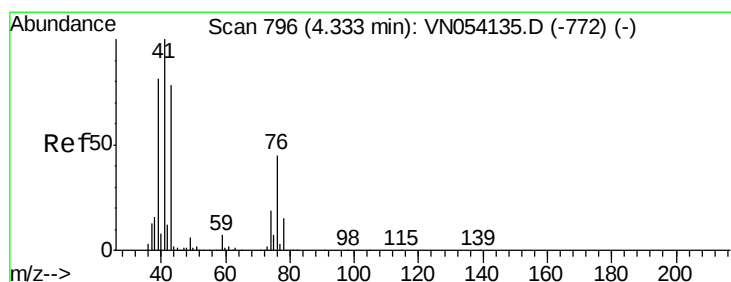
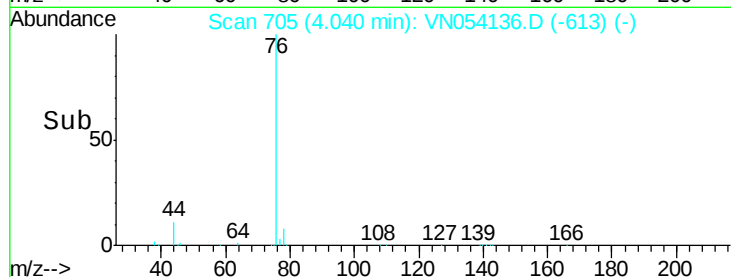
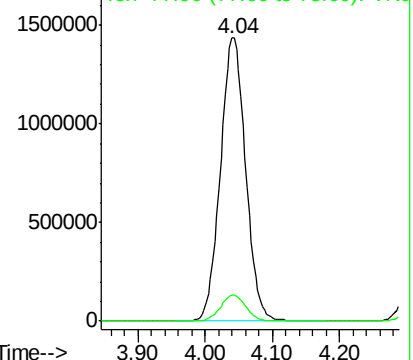
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 96.755 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054136.D

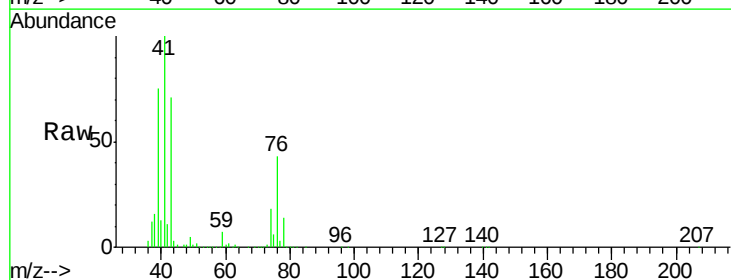
Acq: 11 Mar 2019 11:56

Tgt Ion: 43 Resp: 1096555

Ion Ratio Lower Upper

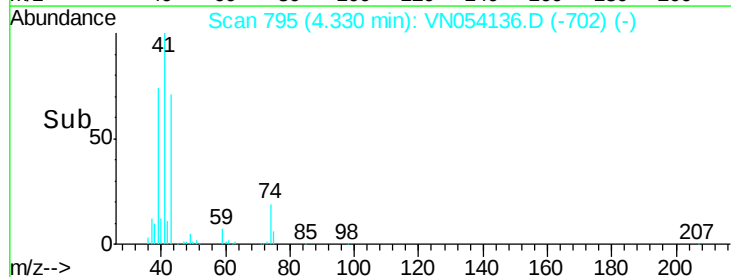
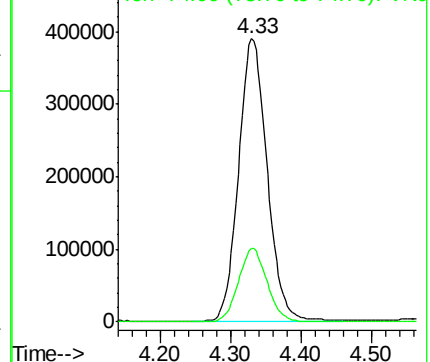
43 100

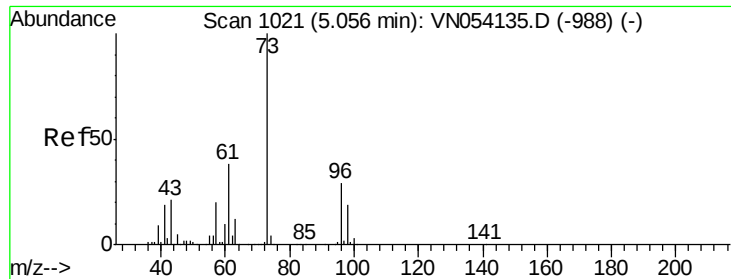
74 26.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

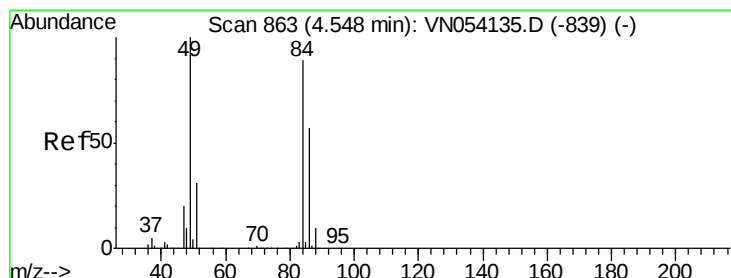
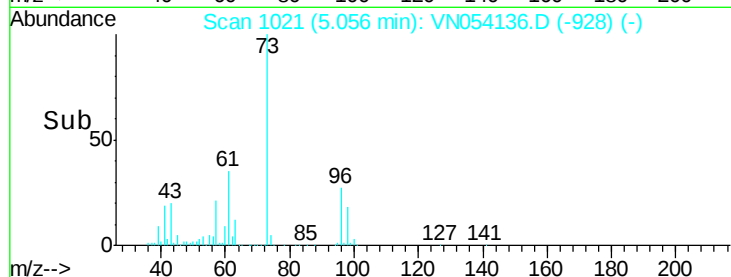
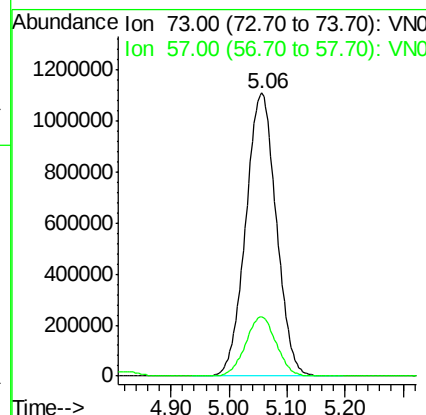
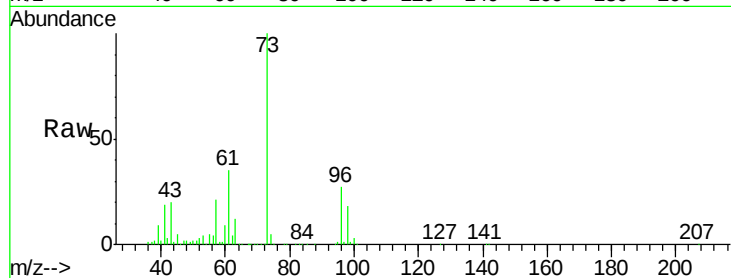




#19
Methyl tert-butyl Ether
Concen: 95.711 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

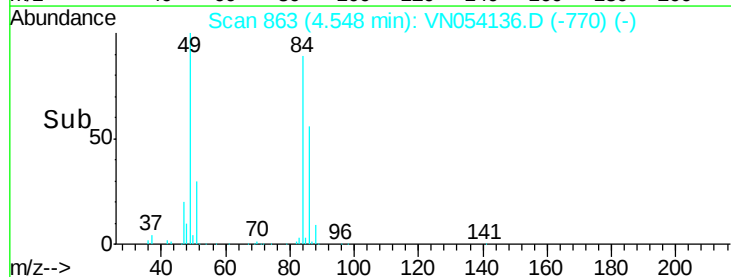
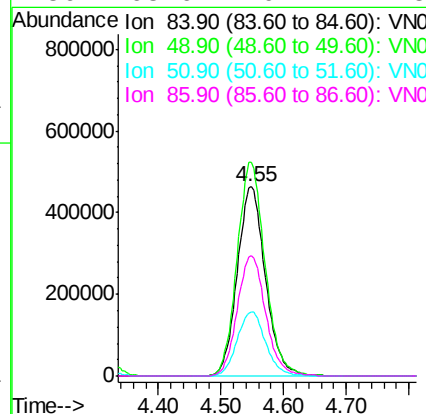
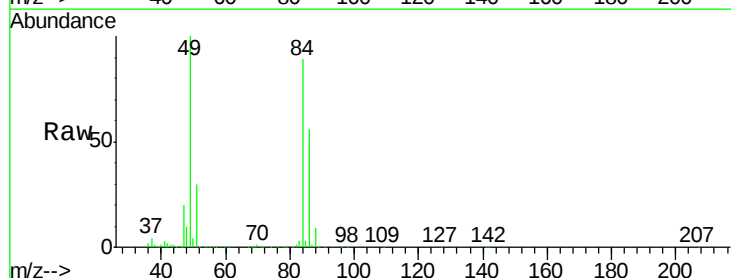
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

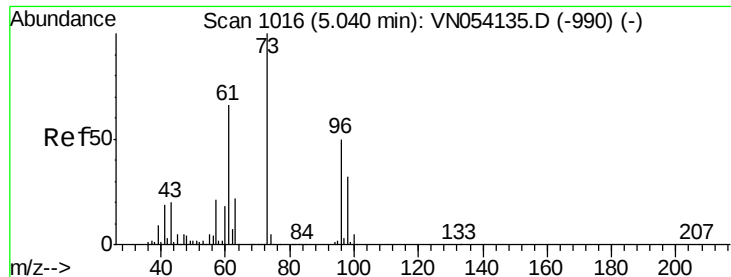
Tot Ion: 73 Resp: 4065077
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.4



#20
Methylene Chloride
Concen: 90.860 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 84 Resp: 1440748
Ion Ratio Lower Upper
84 100
49 112.9 101.8 152.8
51 34.1 31.1 46.7
86 63.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 92.441 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

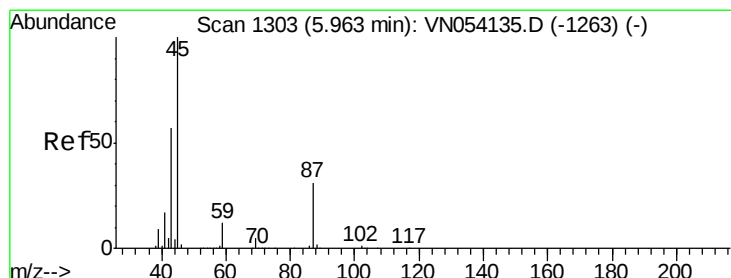
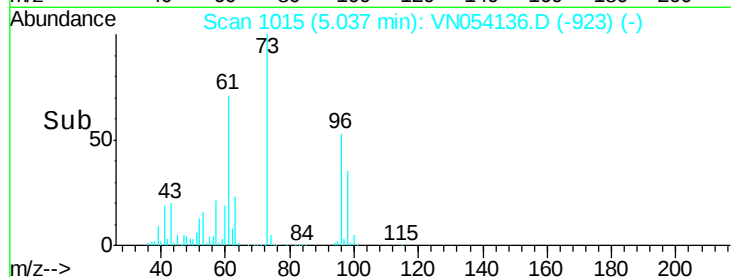
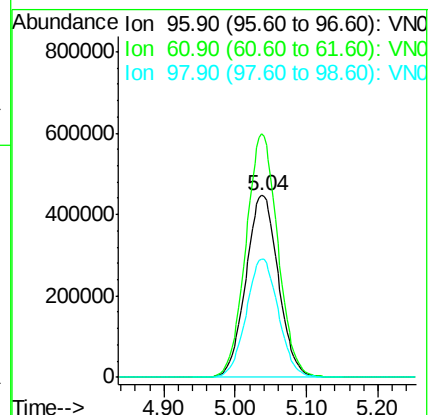
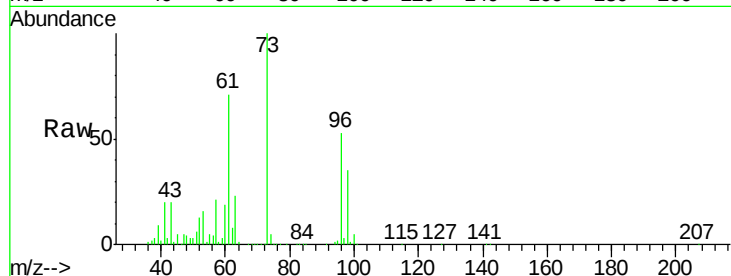
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1418167

Ion	Ratio	Lower	Upper
96	100		
61	133.7	114.8	172.2
98	64.9	51.4	77.0



#22

Diisopropyl ether

Concen: 98.132 ug/l

RT: 5.96 min Scan# 1302

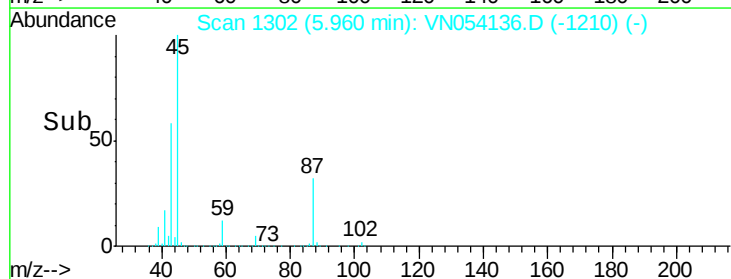
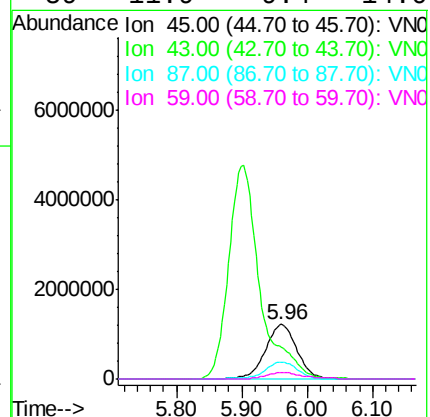
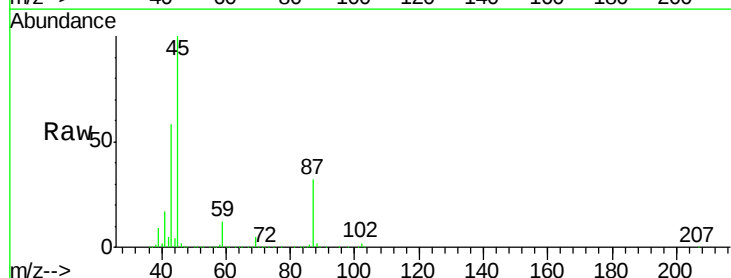
Delta R.T. -0.00 min

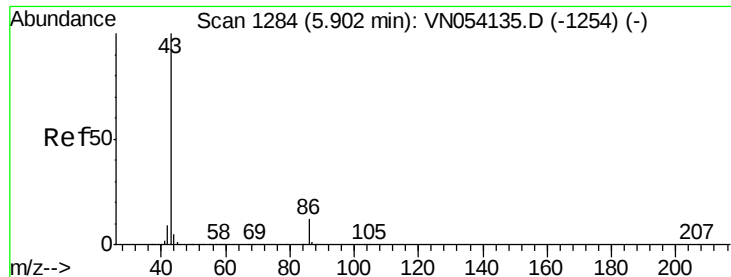
Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Tgt Ion: 45 Resp: 4103944

Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.2	69.4
87	31.2	20.6	31.0#
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 502.111 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

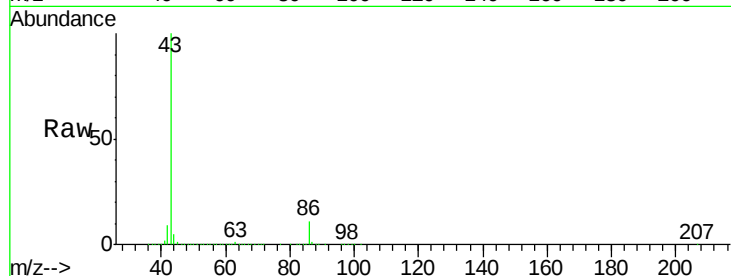
VSTDIC100

Tot Ion: 43 Resp:15855263

Ion Ratio Lower Upper

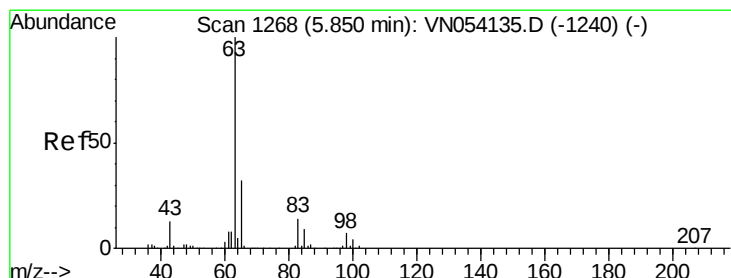
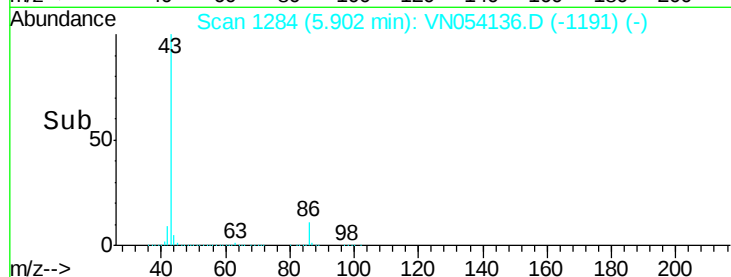
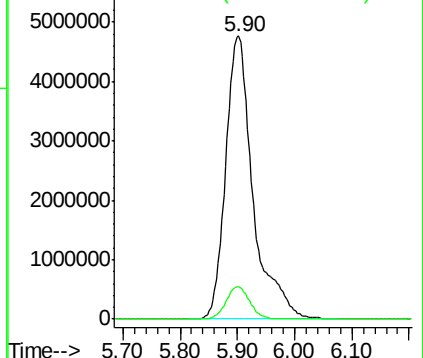
43 100

86 11.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 93.621 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

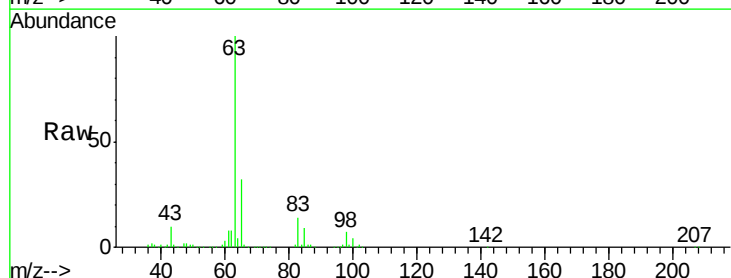
Tgt Ion: 63 Resp: 2538152

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

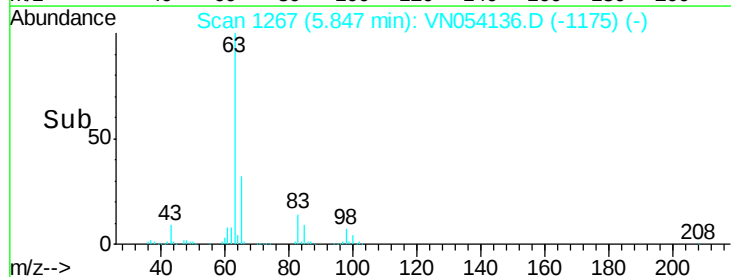
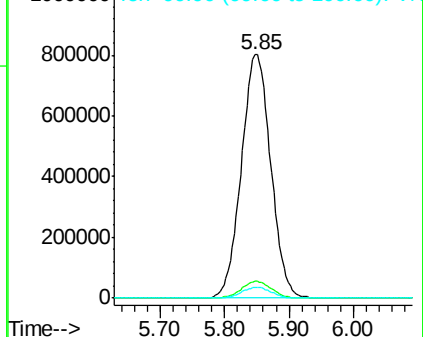
100 4.4 2.0 6.0

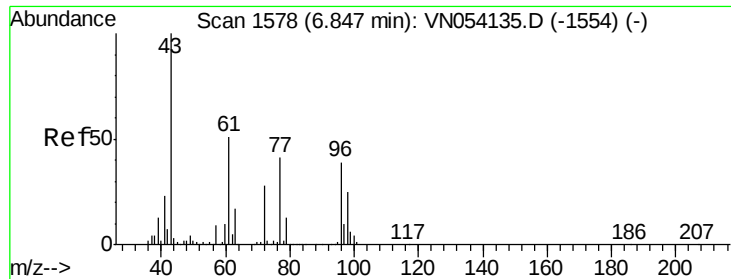


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

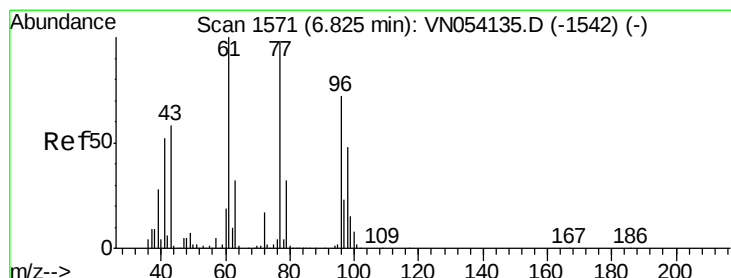
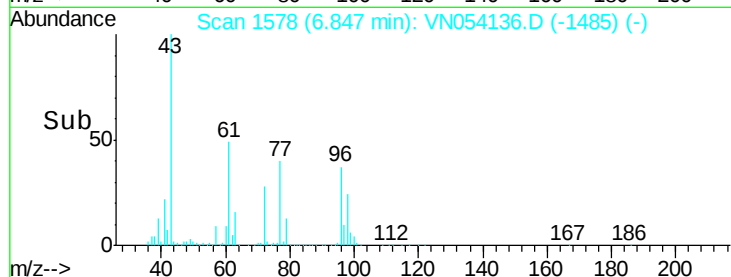
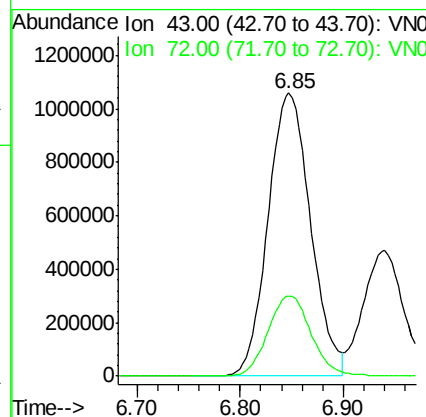
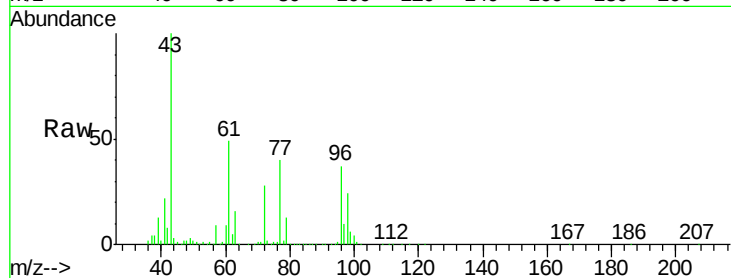




#25
 2-Butanone
 Concen: 514.358 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

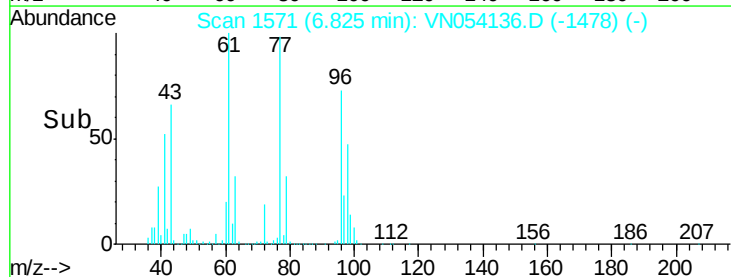
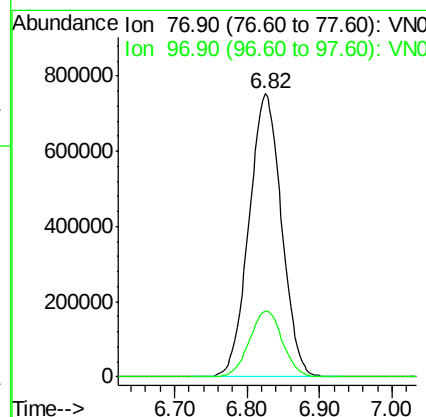
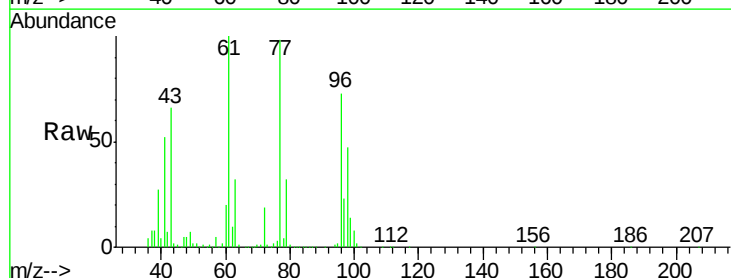
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

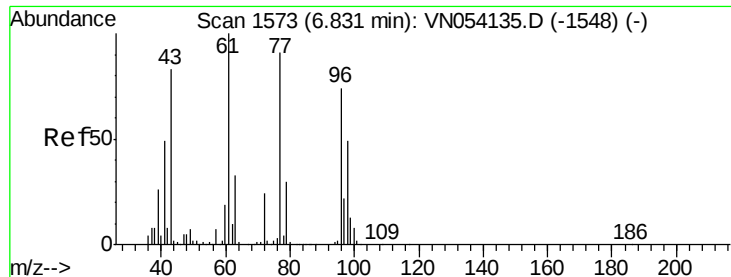
Tot Ion: 43 Resp: 3025297
 Ion Ratio Lower Upper
 43 100
 72 28.4 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 93.937 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

Tgt Ion: 77 Resp: 2351866
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 95.405 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

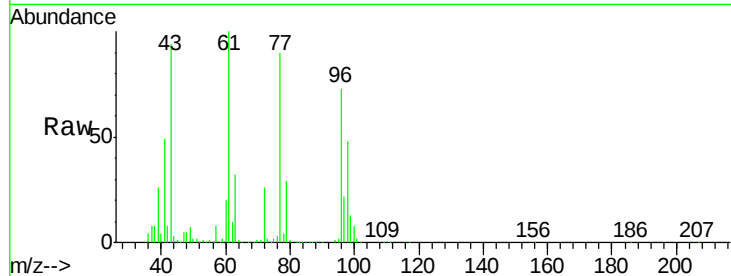
Tot Ion: 96 Resp: 1674206

Ion Ratio Lower Upper

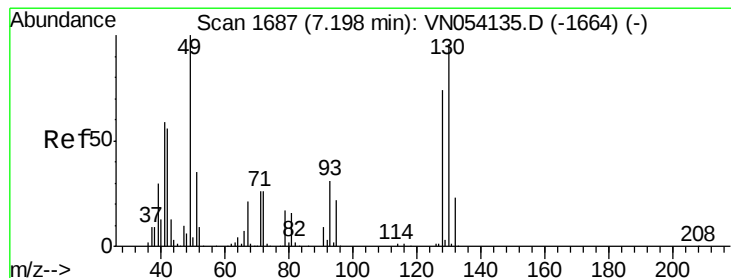
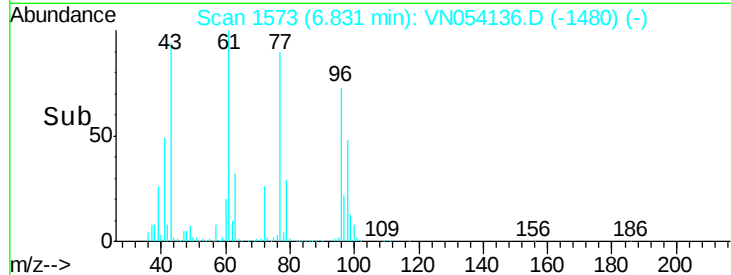
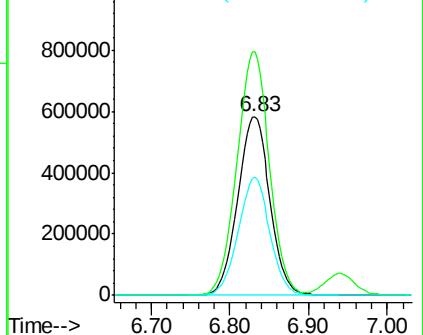
96 100

61 137.6 0.0 297.0

98 64.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 97.909 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

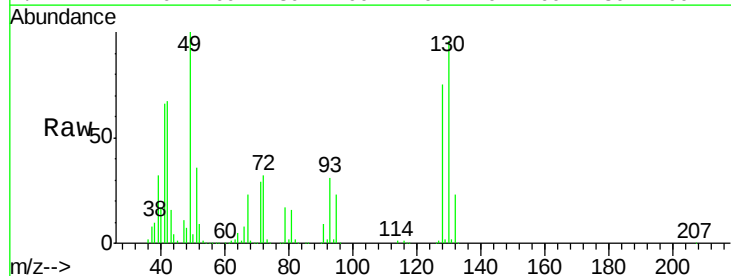
Tgt Ion: 49 Resp: 1154374

Ion Ratio Lower Upper

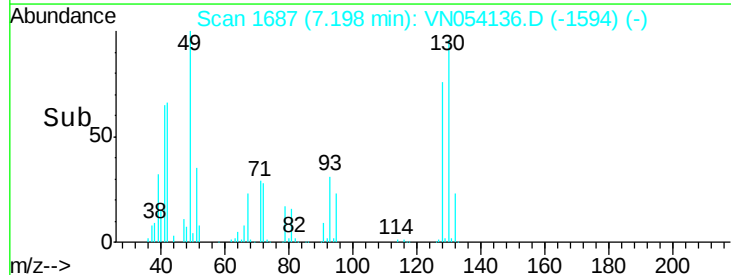
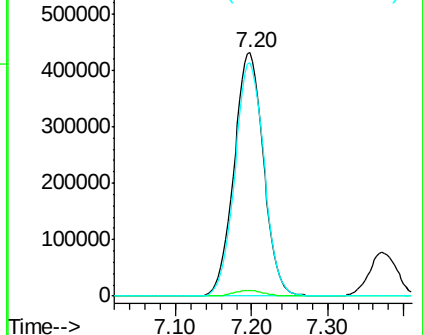
49 100

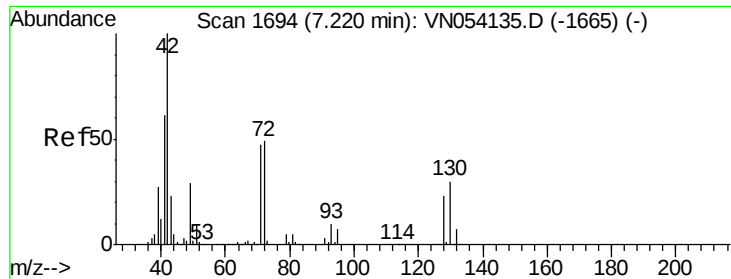
129 2.4 0.0 3.8

130 95.4 59.4 89.2#



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

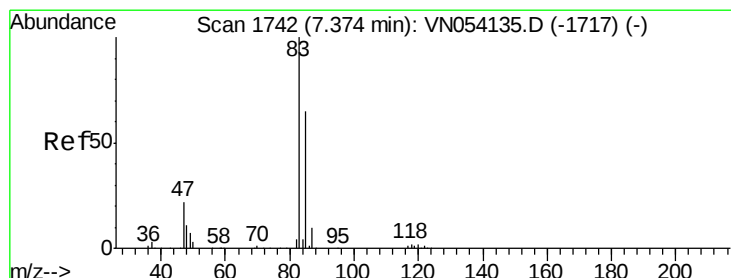
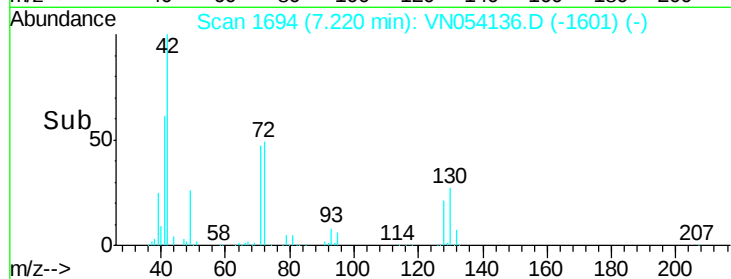
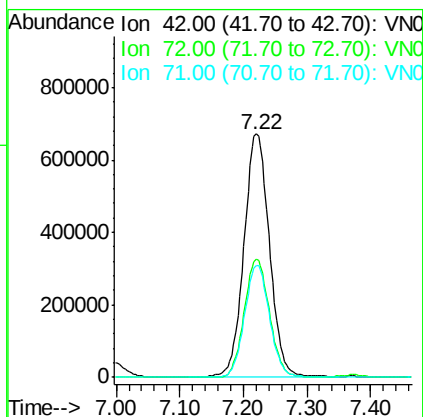
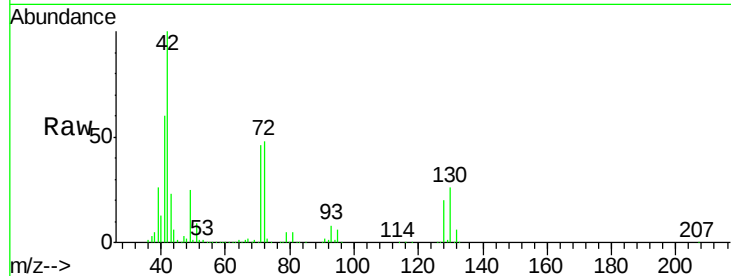




#29
Tetrahydrofuran
Concen: 495.937 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

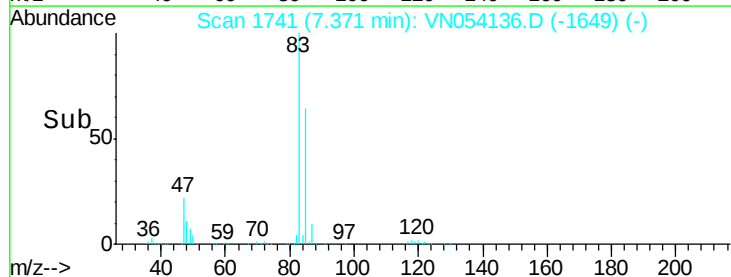
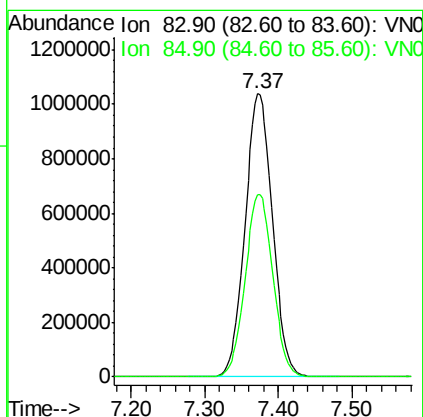
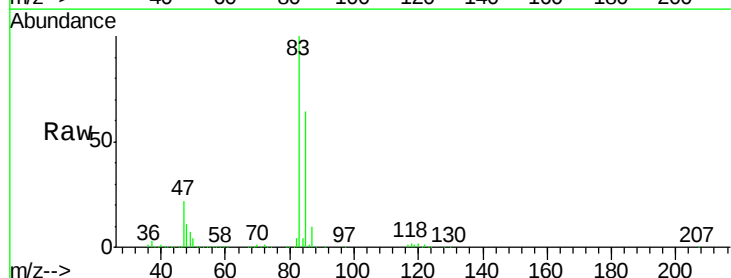
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

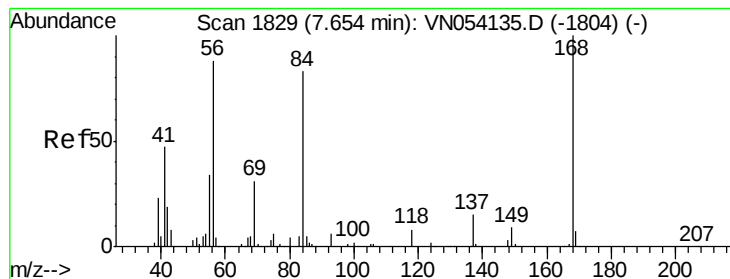
Tot Ion: 42 Resp: 1874151
Ion Ratio Lower Upper
42 100
72 47.7 32.8 49.2
71 45.0 30.5 45.7



#30
Chloroform
Concen: 93.852 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 83 Resp: 2694434
Ion Ratio Lower Upper
83 100
85 64.2 53.1 79.7





#31

Cyclohexane

Concen: 99.028 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

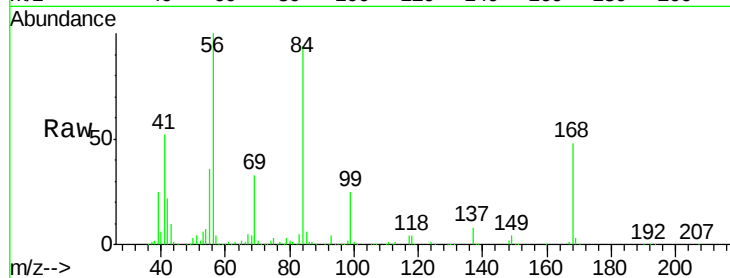
Tot Ion: 56 Resp: 2235170

Ion Ratio Lower Upper

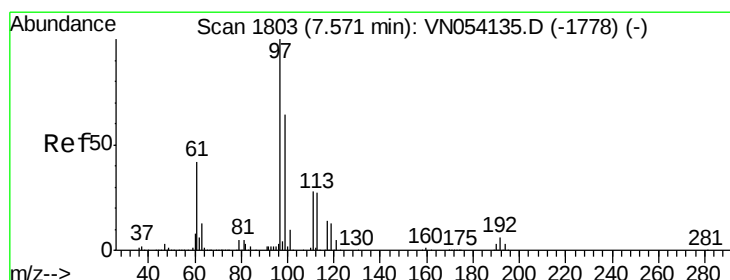
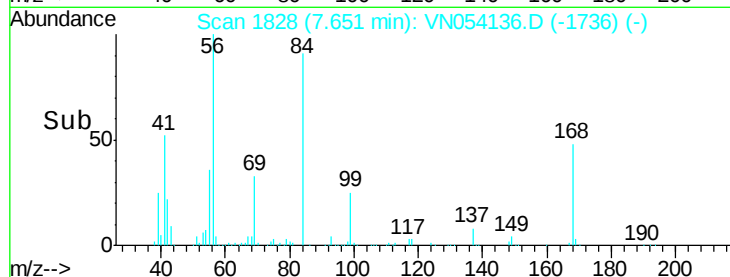
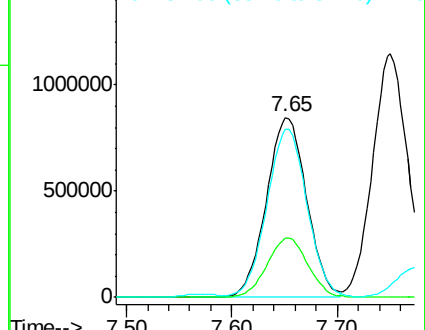
56 100

69 32.8 25.5 38.3

84 92.3 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 94.703 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

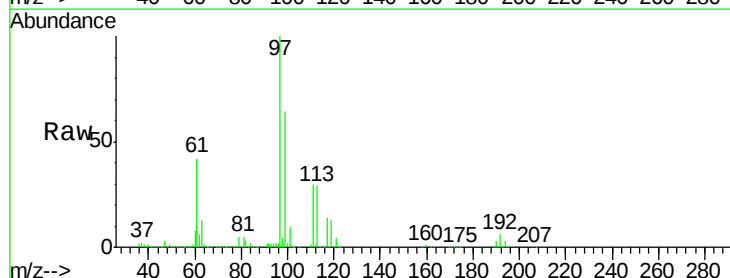
Tgt Ion: 97 Resp: 2461031

Ion Ratio Lower Upper

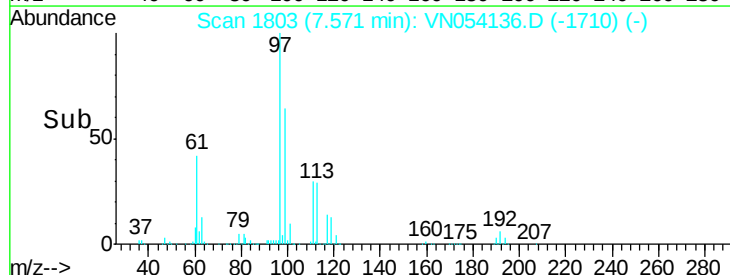
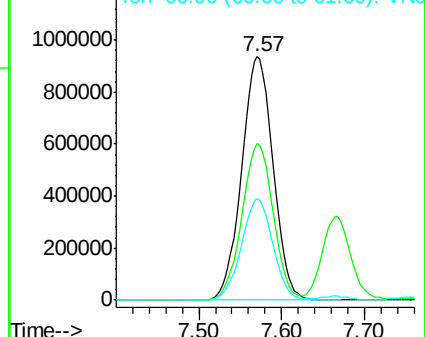
97 100

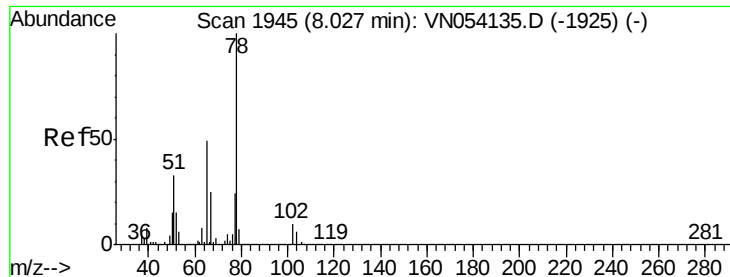
99 63.9 51.2 76.8

61 41.5 37.1 55.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 96.230 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

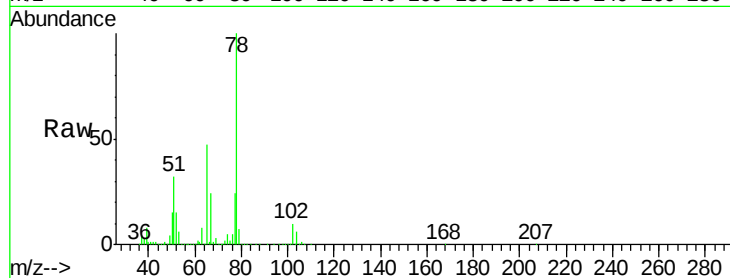
VSTDIC100

Tot Ion: 65 Resp: 1696644

Ion Ratio Lower Upper

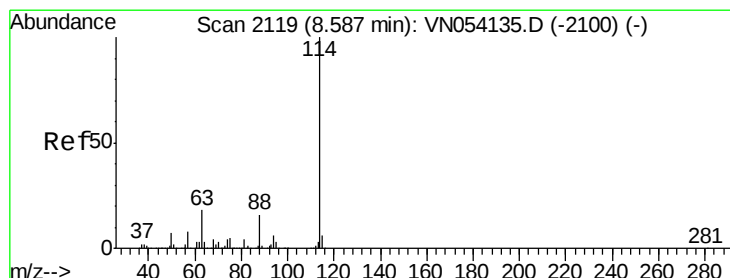
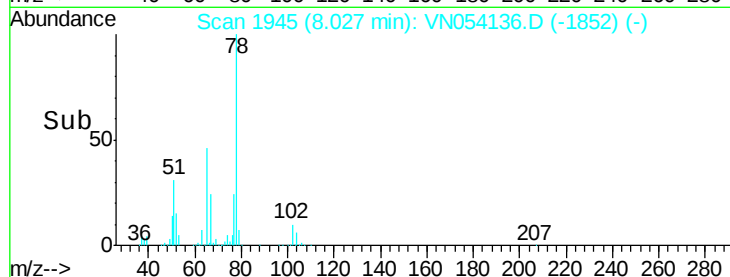
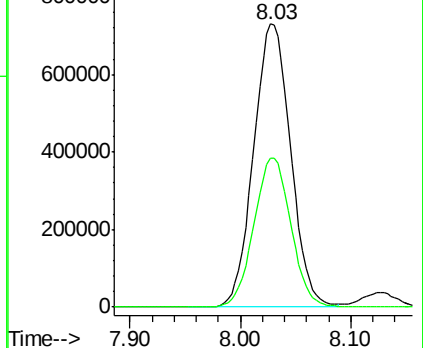
65 100

67 52.8 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN054136.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054136.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

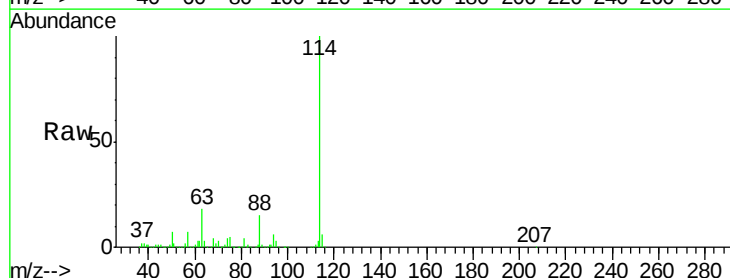
Tgt Ion: 114 Resp: 2456119

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

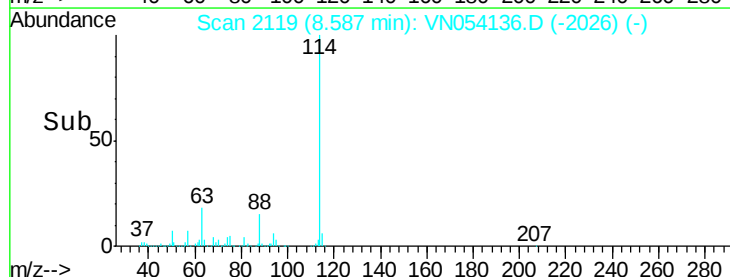
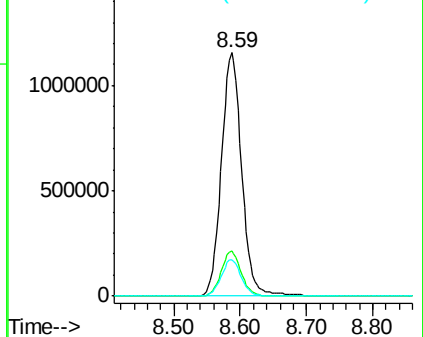
88 15.2 0.0 31.8

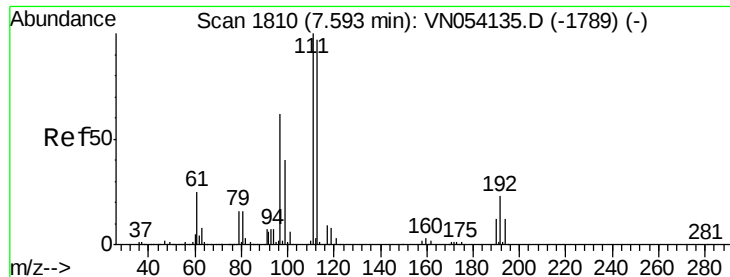


Abundance Ion 113.90 (113.60 to 114.60): VN054136.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054136.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054136.D (-2026) (-)

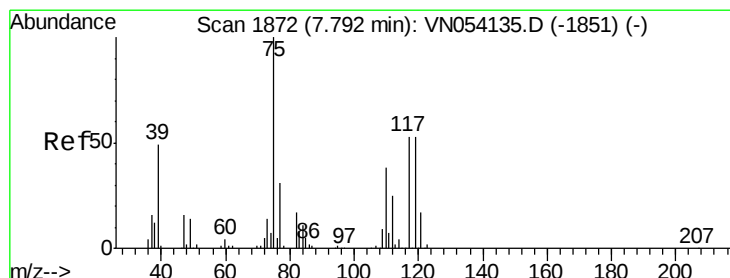
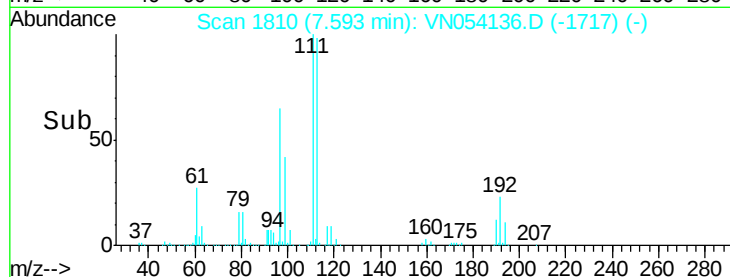
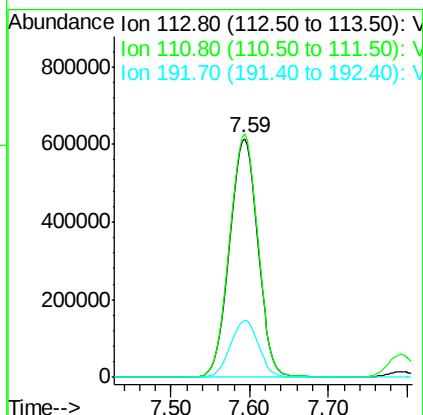
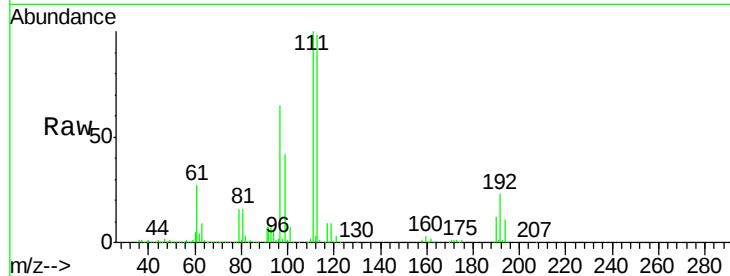




#35
Dibromofluoromethane
Concen: 97.271 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

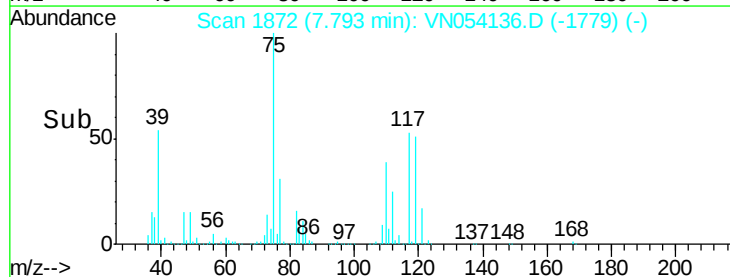
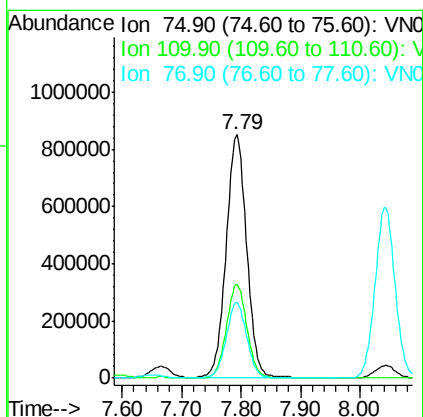
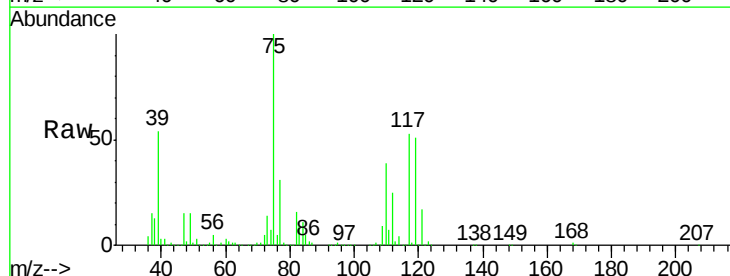
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

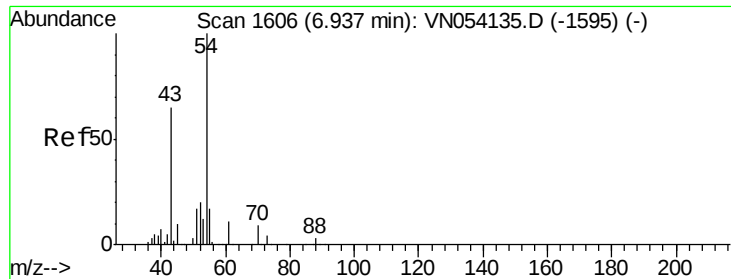
Tot Ion:113 Resp: 1541399
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 23.8 17.4 26.0



#36
1,1-Dichloropropene
Concen: 95.201 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 75 Resp: 2035029
Ion Ratio Lower Upper
75 100
110 38.3 18.0 54.0
77 31.2 25.3 37.9

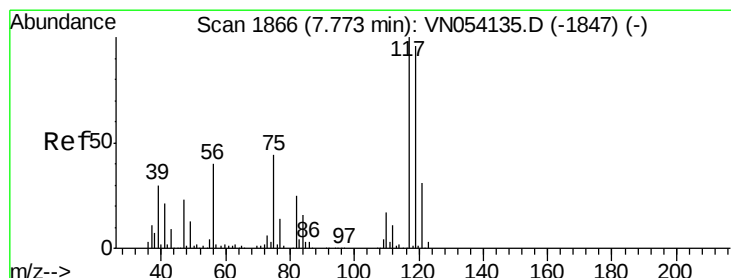
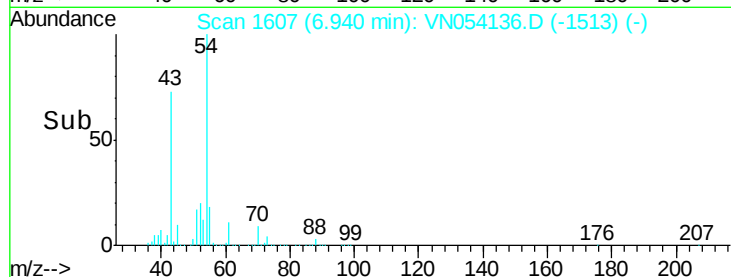
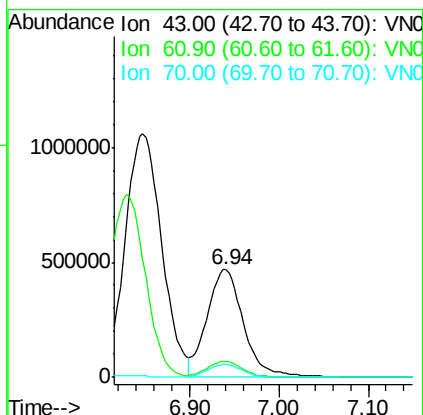
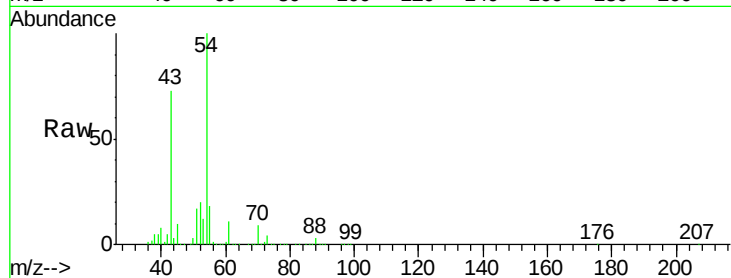




#37
Ethyl Acetate
Concen: 94.348 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

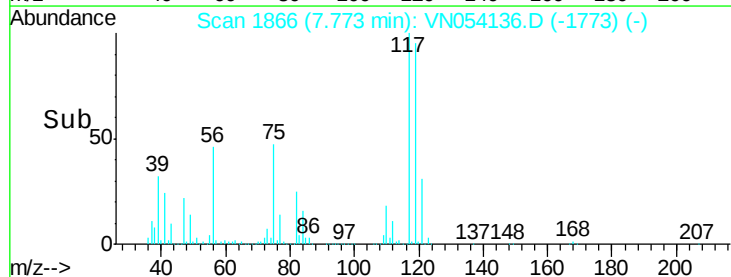
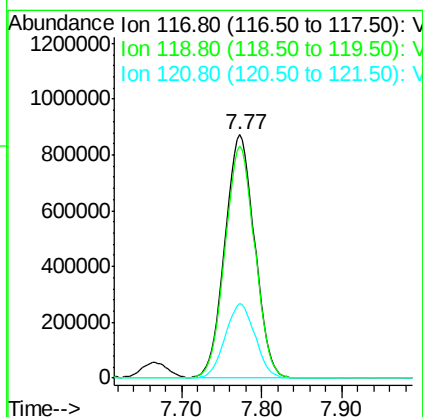
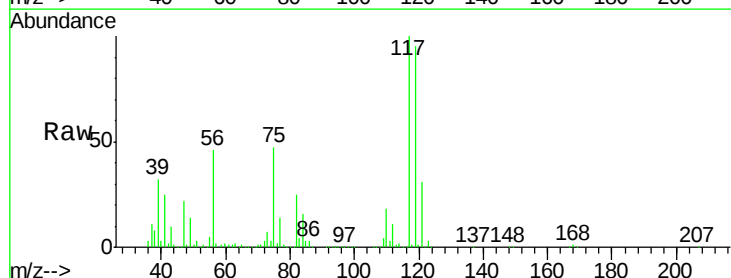
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

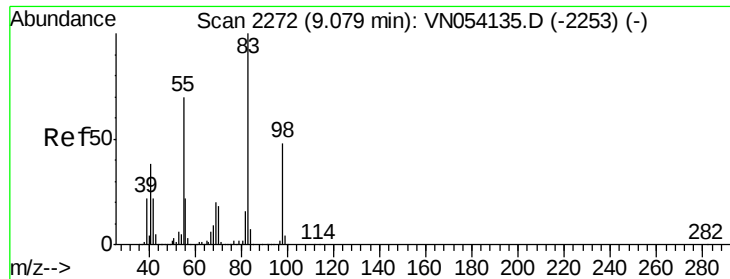
Tot Ion: 43 Resp: 1307847
Ion Ratio Lower Upper
43 100
61 14.2 11.1 16.7
70 11.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 93.664 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 117 Resp: 2219507
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6
121 30.8 24.3 36.5

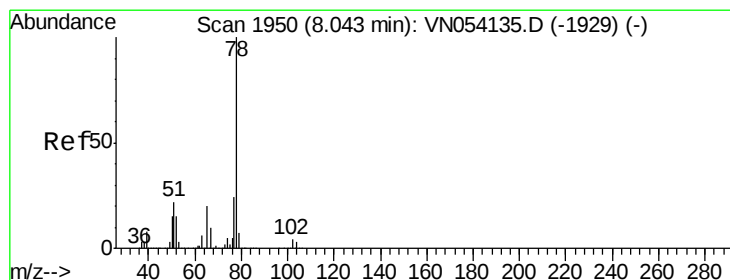
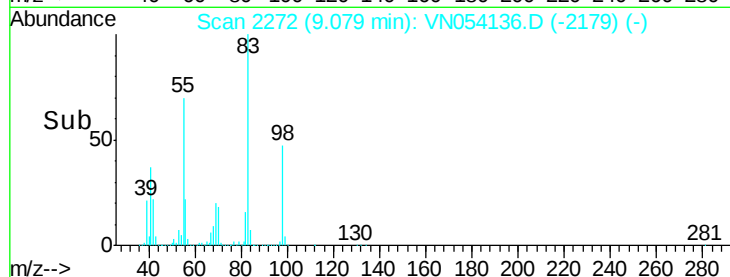
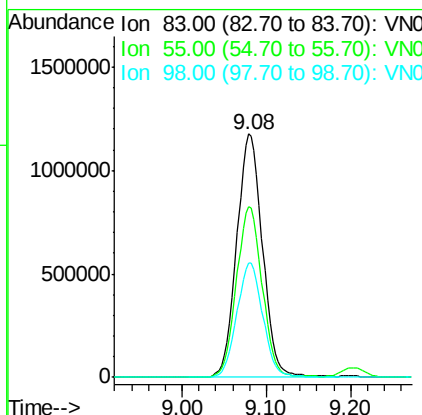
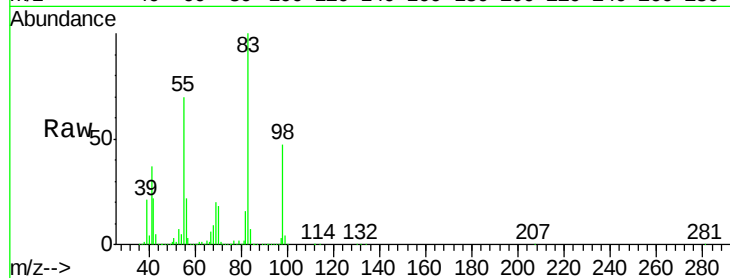




#39
Methvlcvclohexane
Concen: 95.762 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

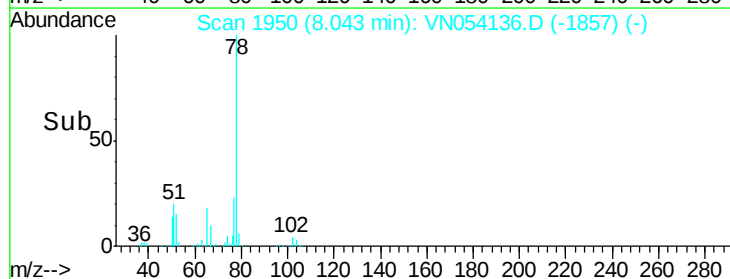
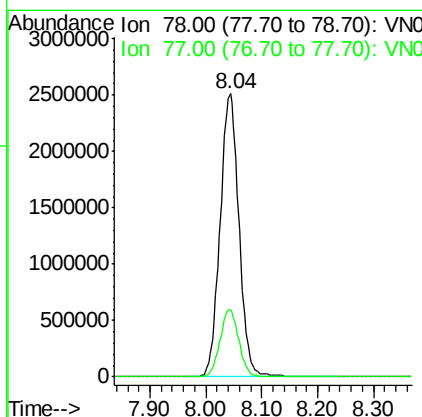
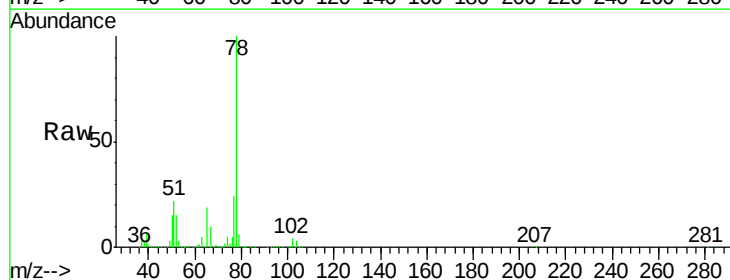
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

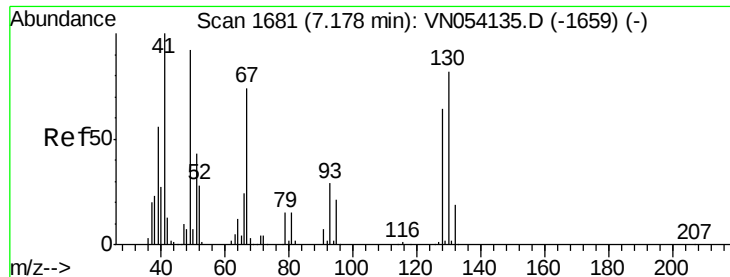
Tot Ion: 83 Resp: 2520179
Ion Ratio Lower Upper
83 100
55 70.2 62.1 93.1
98 46.8 36.0 54.0



#40
Benzene
Concen: 96.134 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 78 Resp: 5905041
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

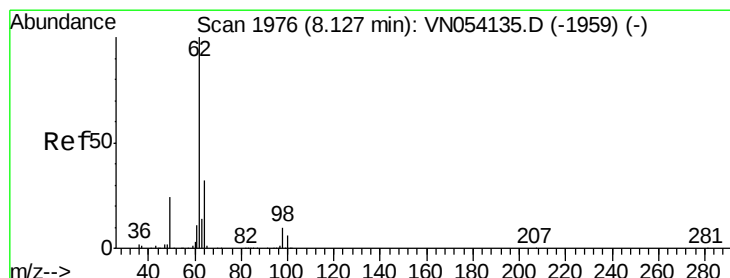
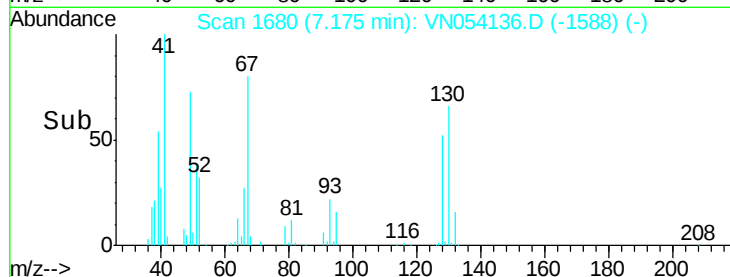
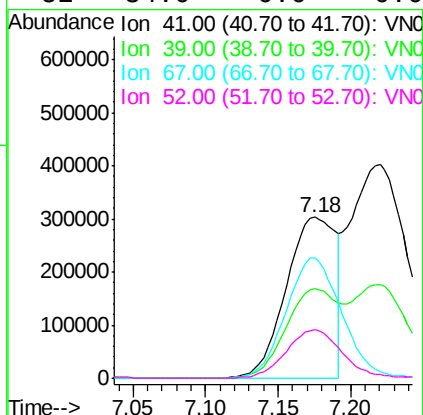
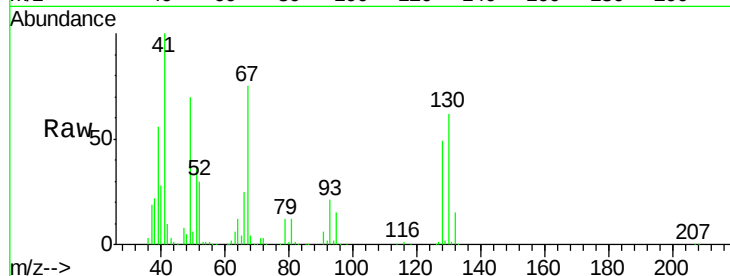




#41
Methacrylonitrile
Concen: 99.055 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

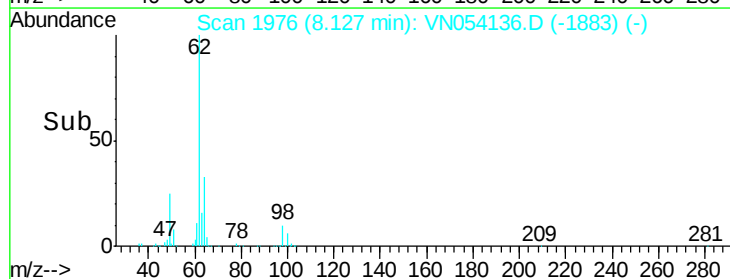
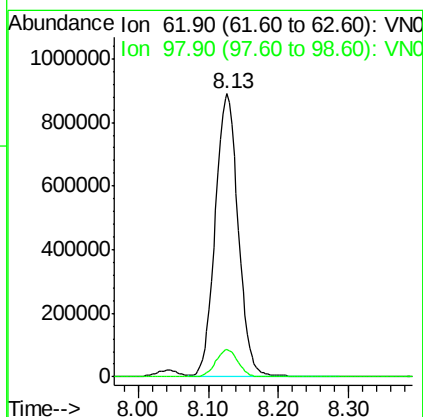
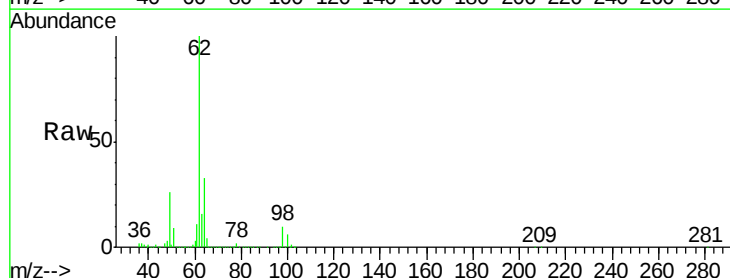
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

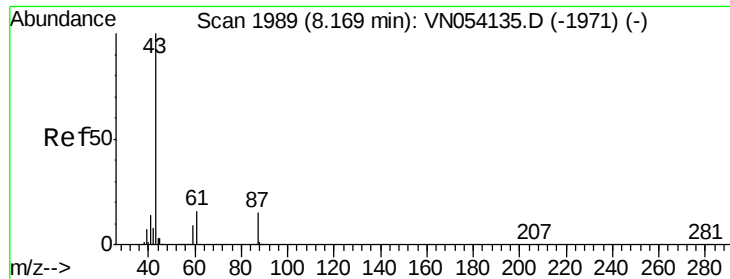
Tot Ion: 41 Resp: 714900
Ion Ratio Lower Upper
41 100
39 62.5 0.0 0.0#
67 85.6 0.0 0.0#
52 34.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 95.291 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 62 Resp: 2018022
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 103.425 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

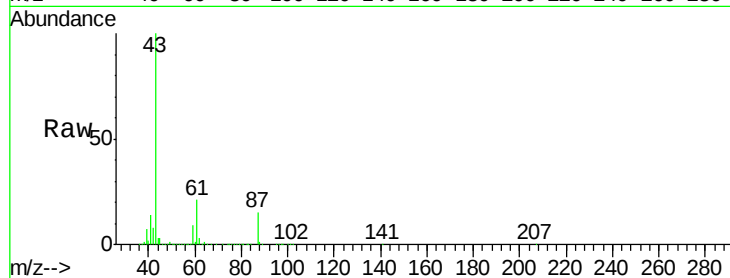
MSVOA_N

ClientSampleId :

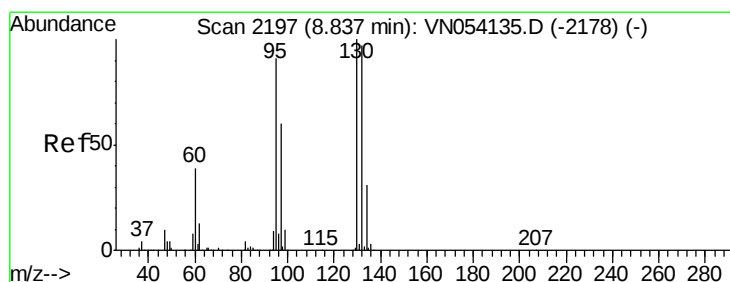
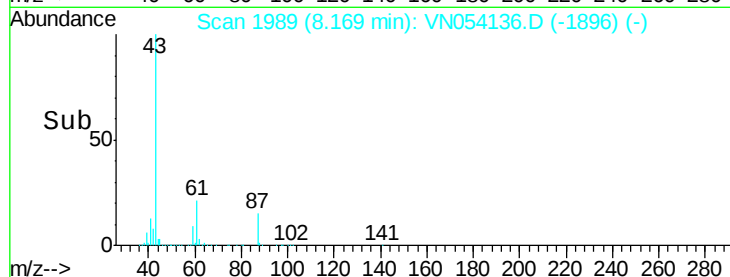
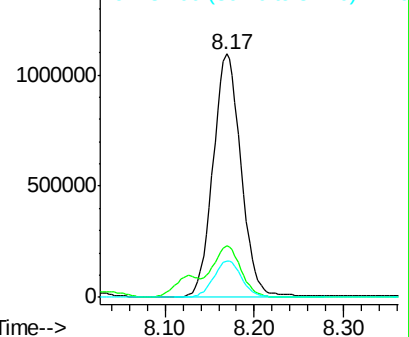
VSTDIC100

Tot Ion: 43 Resp: 2383177

Ion	Ratio	Lower	Upper
43	100		
61	21.0	22.5	33.7#
87	15.0	10.1	15.1



Abundance Ion 43.00 (42.70 to 43.70): VN054136.D (-1896) (-)



#44

Trichloroethene

Concen: 96.487 ug/l

RT: 8.83 min Scan# 2196

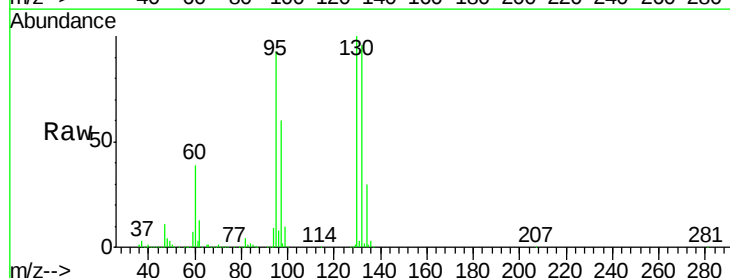
Delta R.T. -0.00 min

Lab File: VN054136.D

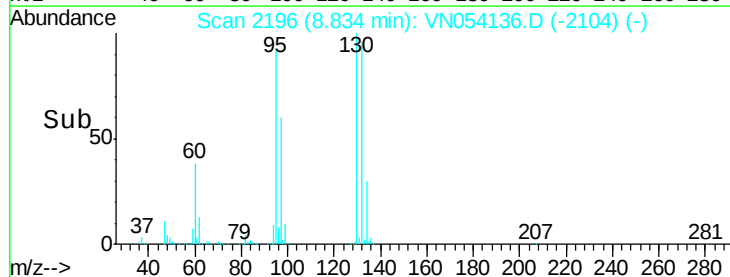
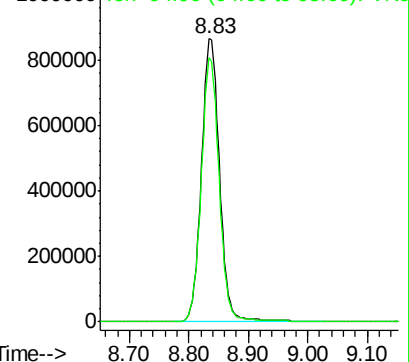
Acq: 11 Mar 2019 11:56

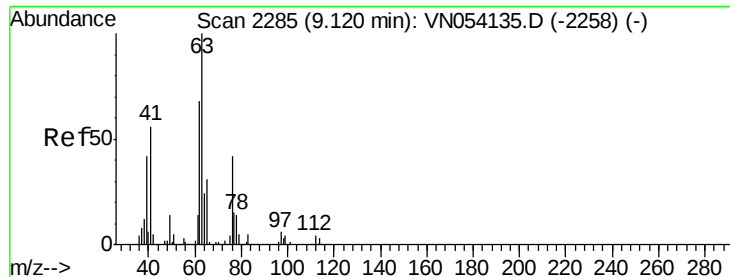
Tgt Ion: 130 Resp: 1829047

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054136.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 96.377 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

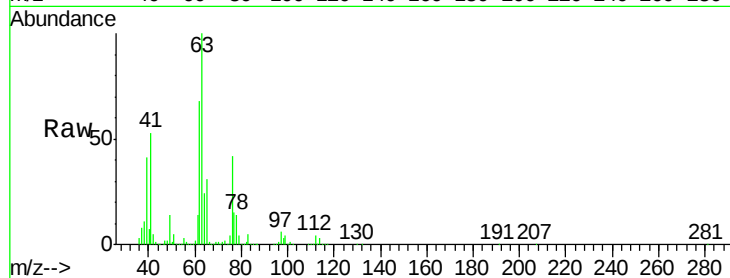
VSTDIC100

Tot Ion: 63 Resp: 1512774

Ion Ratio Lower Upper

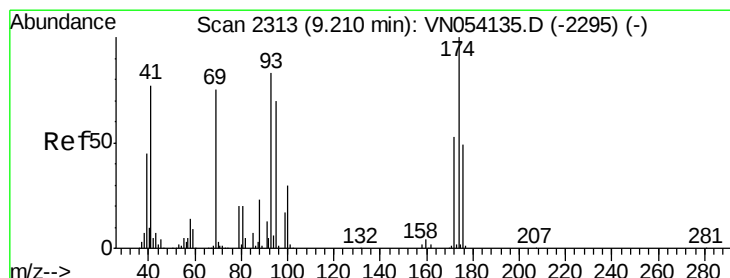
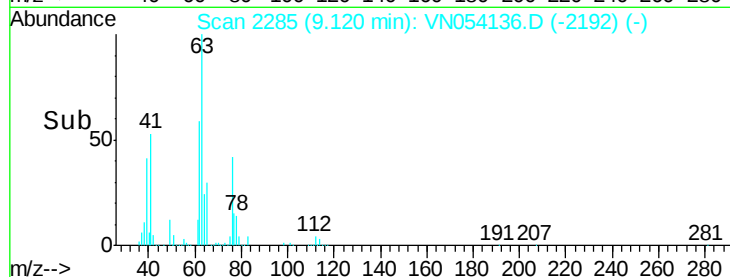
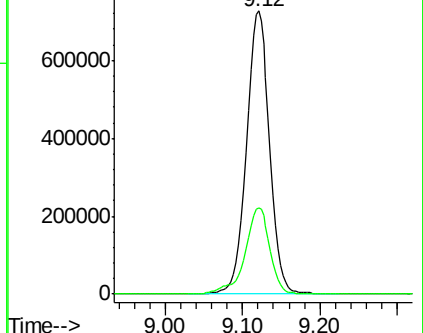
63 100

65 30.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN054136.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054136.D (-2192) (-)



#46

Dibromomethane

Concen: 95.241 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

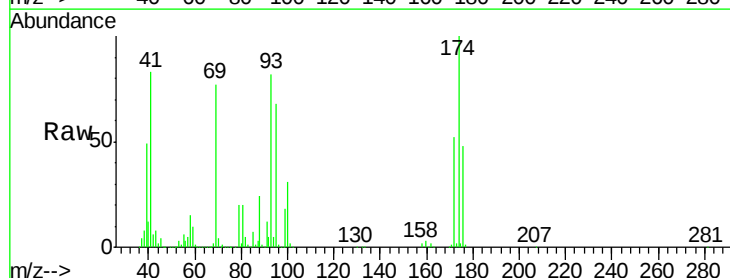
Tgt Ion: 93 Resp: 1014180

Ion Ratio Lower Upper

93 100

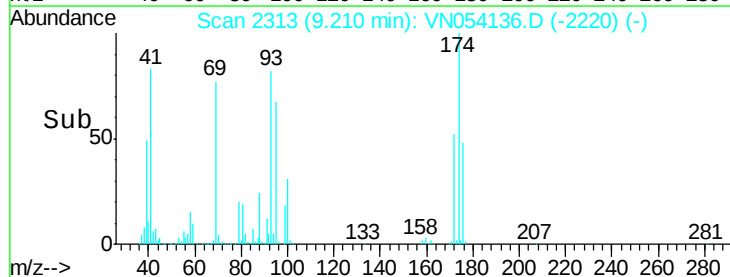
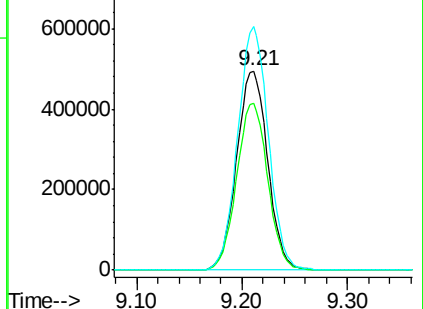
95 83.1 66.1 99.1

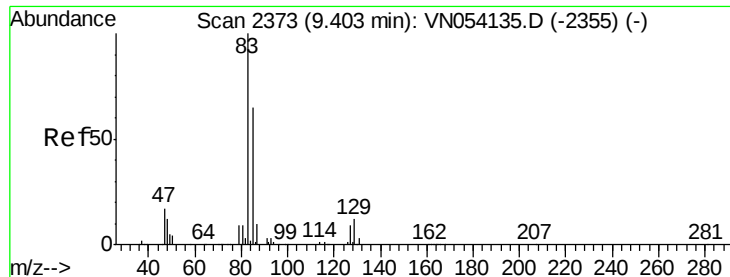
174 120.5 86.1 129.1



Abundance Ion 92.80 (92.50 to 93.50): VN054136.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054136.D (-2220) (-)





#47

Bromodichloromethane

Concen: 96.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

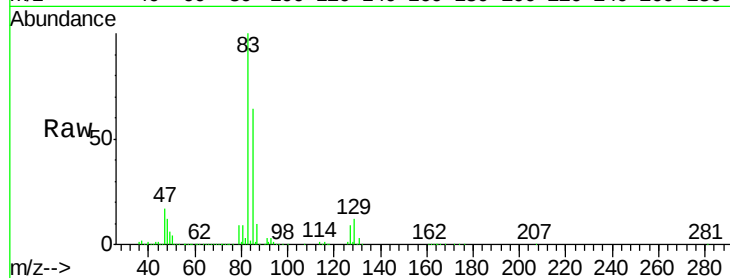
Tot Ion: 83 Resp: 2136526

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.4

127 9.2 6.5 9.7

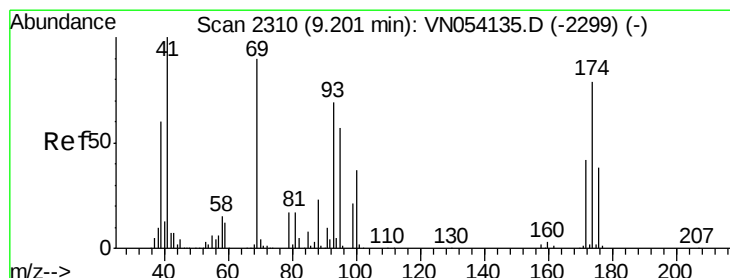
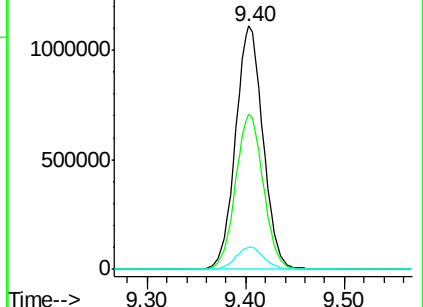
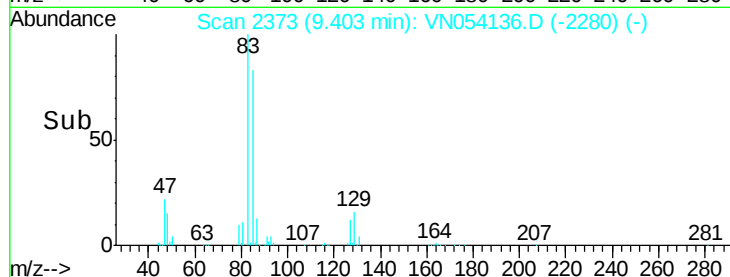


Abundance Ion 82.90 (82.60 to 83.60): VN054136.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054136.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054136.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 97.375 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

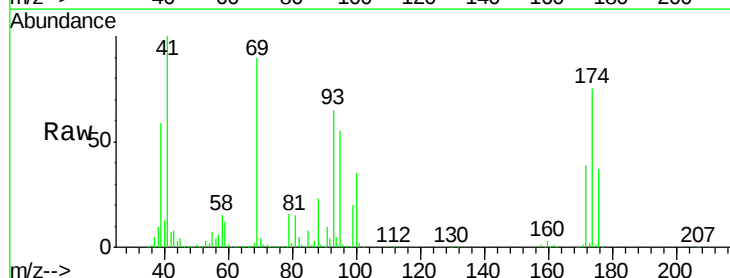
Tgt Ion: 41 Resp: 1206273

Ion Ratio Lower Upper

41 100

69 91.5 71.0 106.4

39 58.9 43.7 65.5

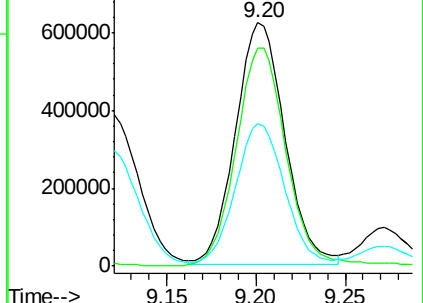
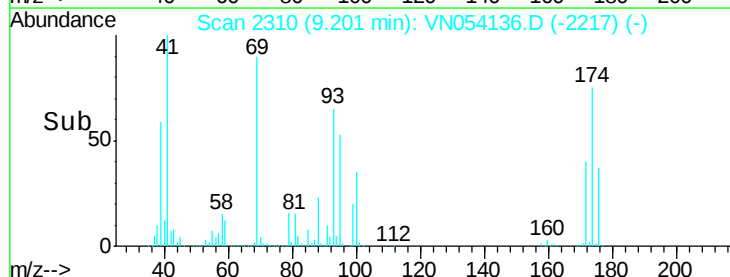


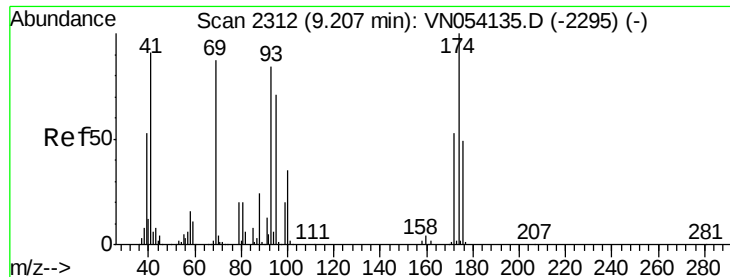
Abundance Ion 41.00 (40.70 to 41.70): VN054136.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054136.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054136.D (-2217) (-)

Time-->





#49

1,4-Dioxane

Concen: 1993.190 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

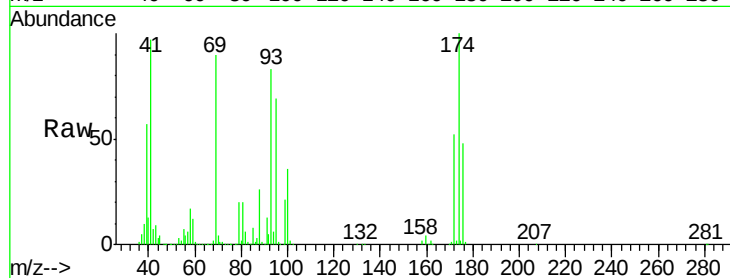
Tot Ion: 88 Resp: 320350

Ion Ratio Lower Upper

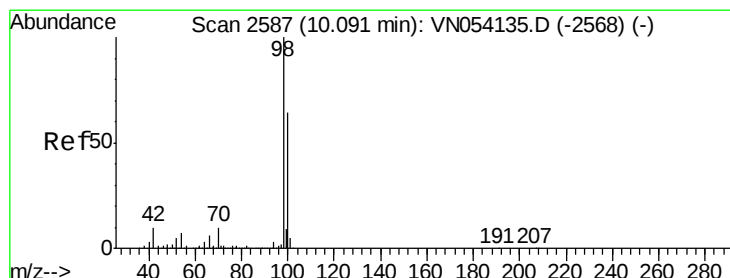
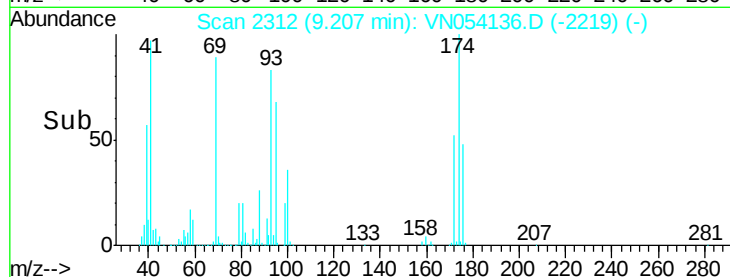
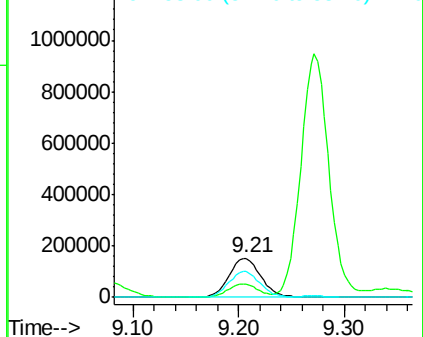
88 100

43 30.2 25.5 38.3

58 64.0 58.3 87.5



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



#50

Toluene-d8

Concen: 98.324 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054136.D

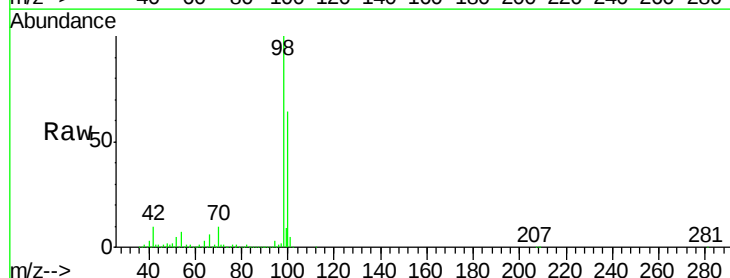
Acq: 11 Mar 2019 11:56

Tgt Ion: 98 Resp: 5739935

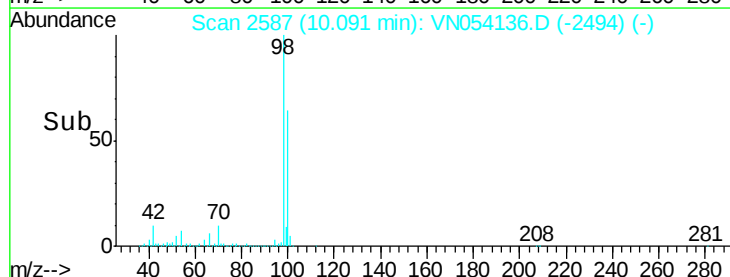
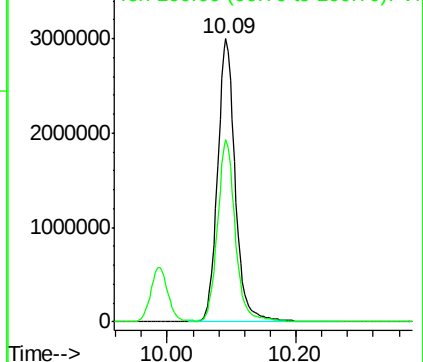
Ion Ratio Lower Upper

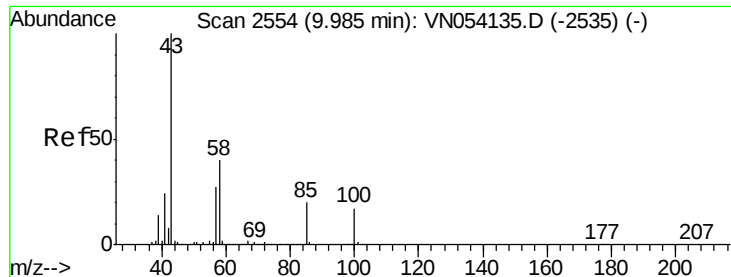
98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

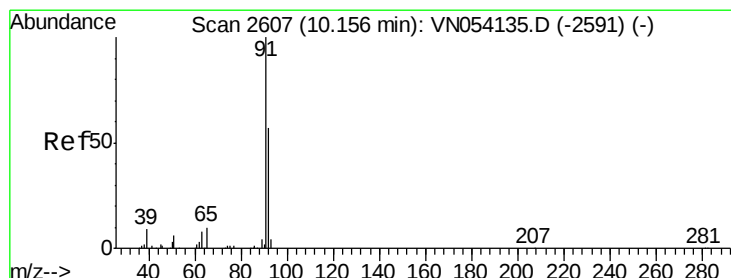
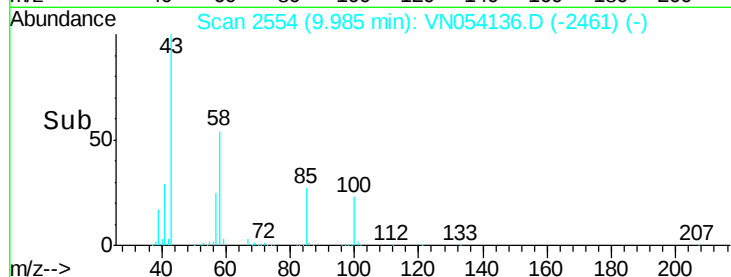
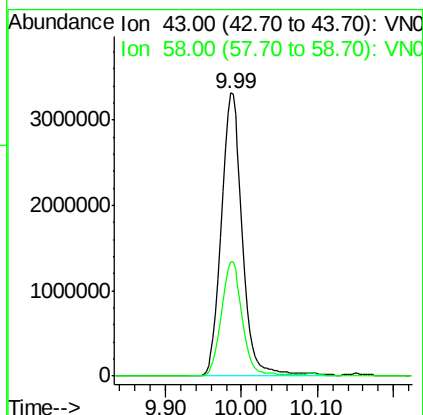
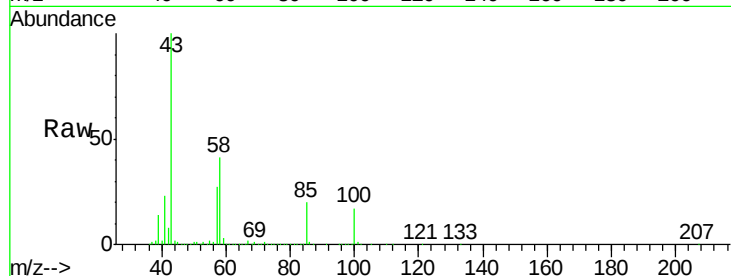




#51
4-Methyl-2-Pentanone
Concen: 516.914 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

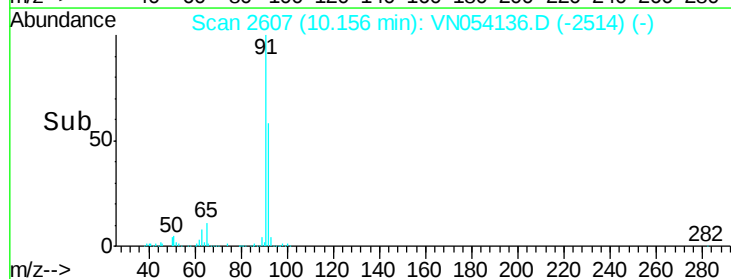
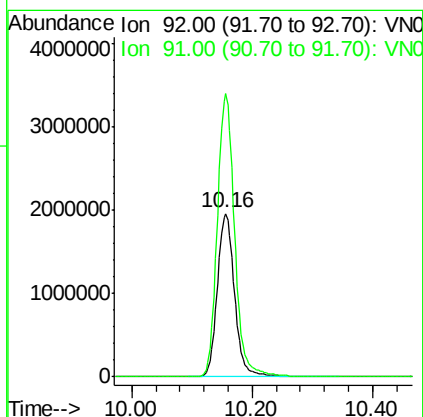
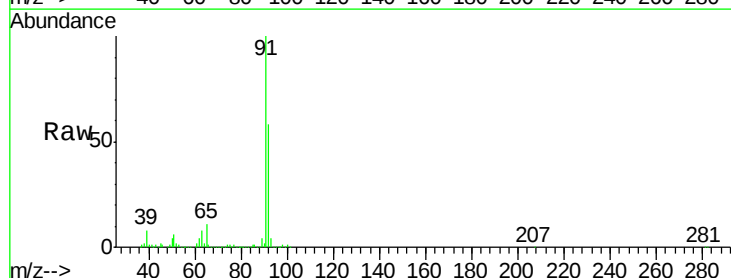
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

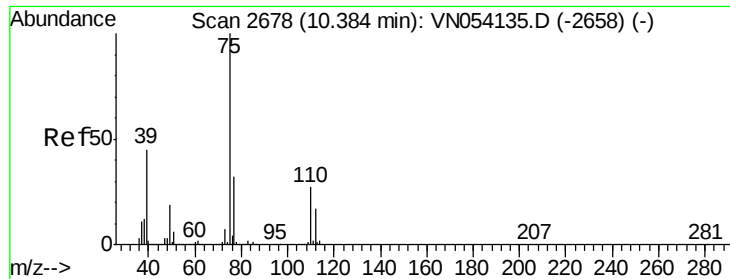
Tot Ion: 43 Resp: 6388725
Ion Ratio Lower Upper
43 100
58 40.0 30.8 46.2



#52
Toluene
Concen: 97.266 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 92 Resp: 3825384
Ion Ratio Lower Upper
92 100
91 173.8 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 104.363 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

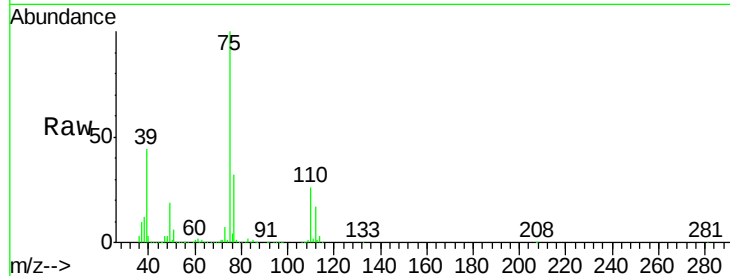
VSTDIC100

Tot Ion: 75 Resp: 2345624

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

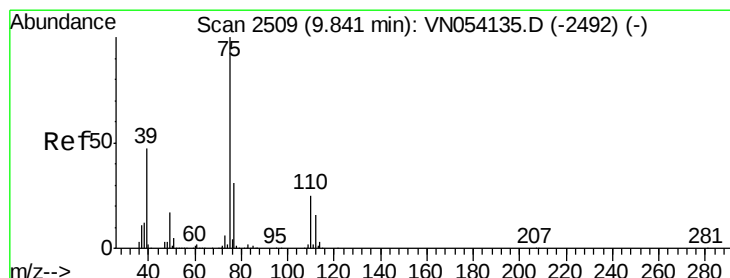
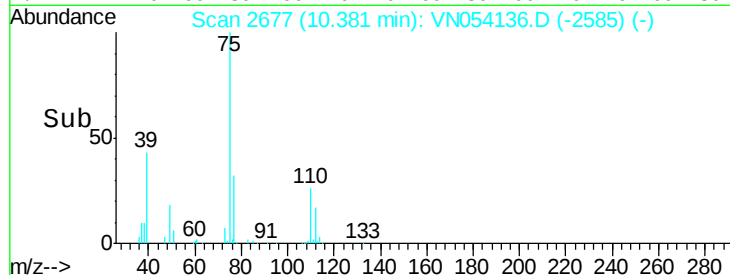
1500000

1000000

500000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 100.578 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

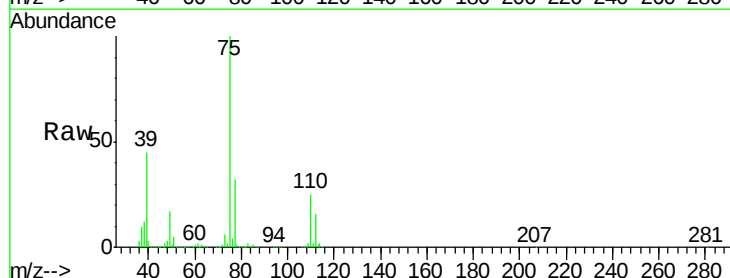
Tgt Ion: 75 Resp: 2538649

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 45.3 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

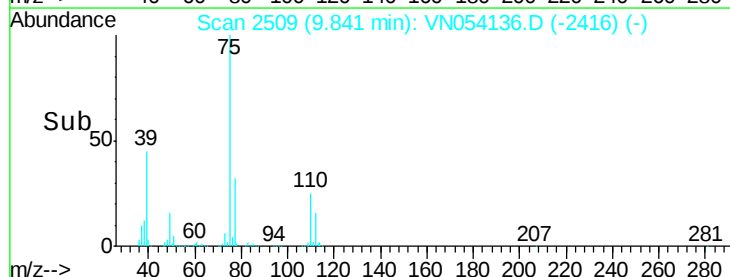
1500000

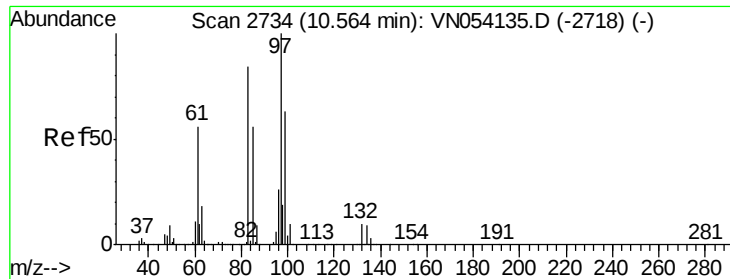
1000000

500000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 97.124 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

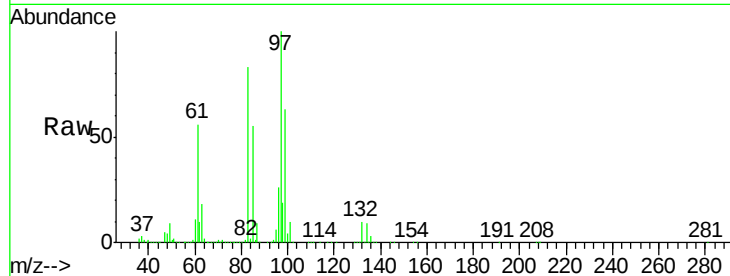
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1440069

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.8	104.6
85	54.7	45.0	67.4
99	62.5	49.8	74.6



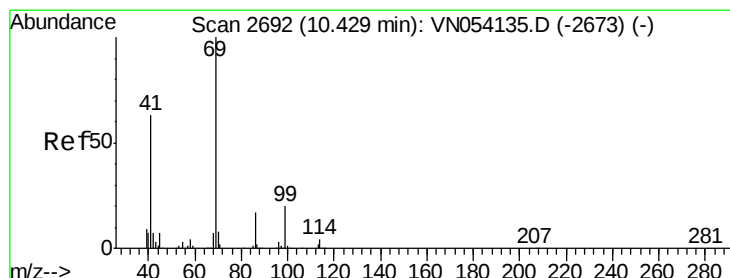
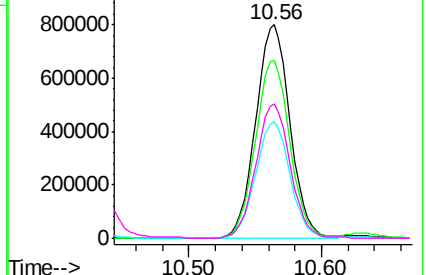
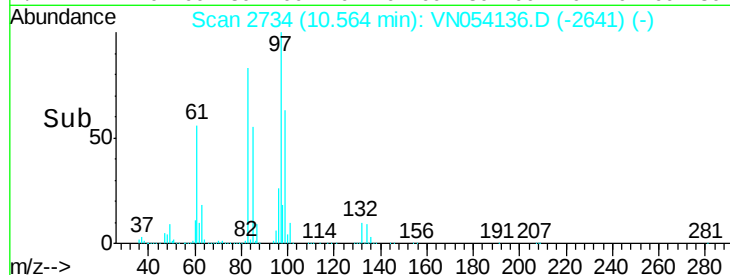
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 103.831 ug/l

RT: 10.43 min Scan# 2692

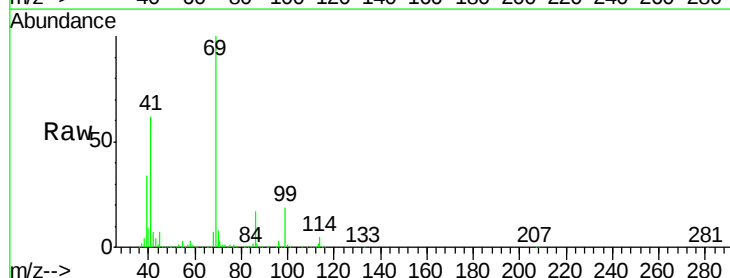
Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Tgt Ion: 69 Resp: 1884366

Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.4	80.2
39	33.8	25.6	38.4

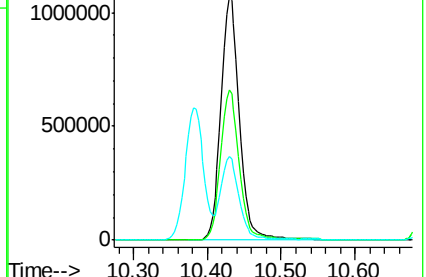
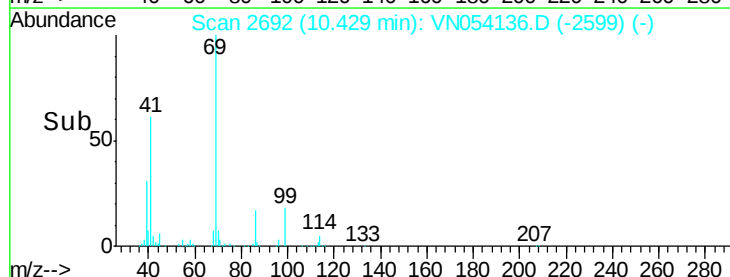


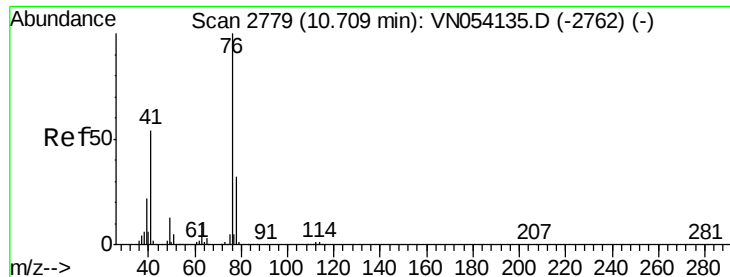
Abundance

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





#57

1,3-Dichloropropane

Concen: 98.576 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

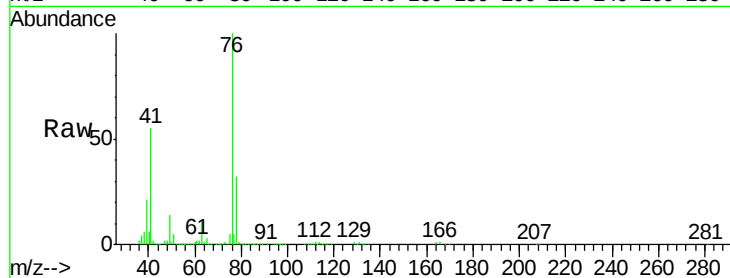
VSTDIC100

Tot Ion: 76 Resp: 2365848

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

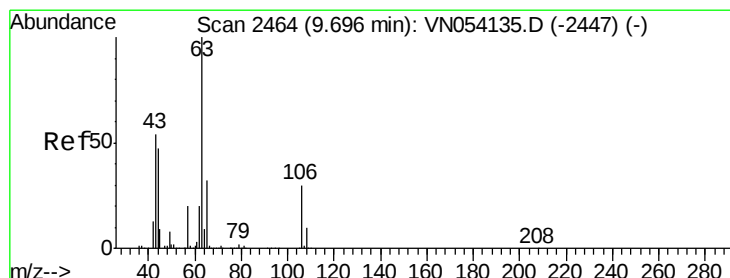
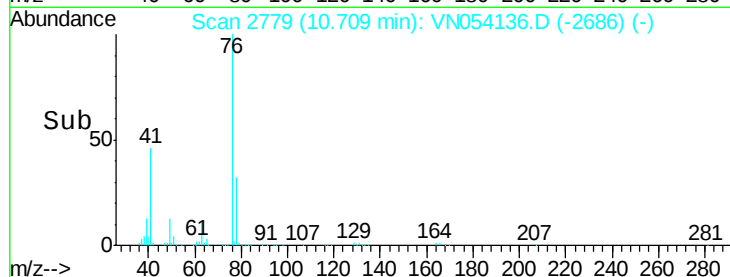
1500000

1000000

500000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 498.646 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054136.D

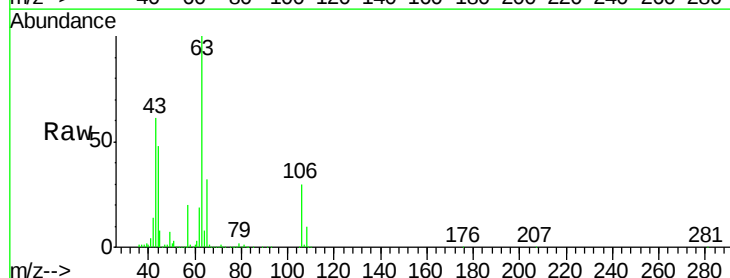
Acq: 11 Mar 2019 11:56

Tgt Ion: 63 Resp: 3341241

Ion Ratio Lower Upper

63 100

106 30.2 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

2000000

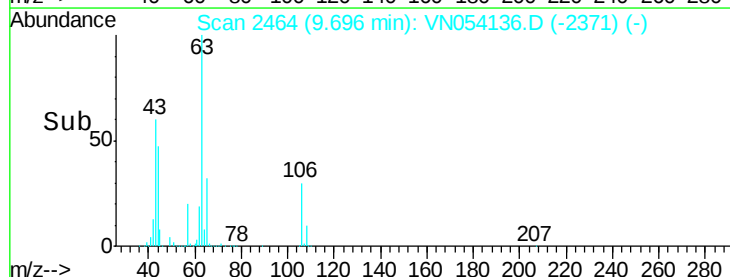
1500000

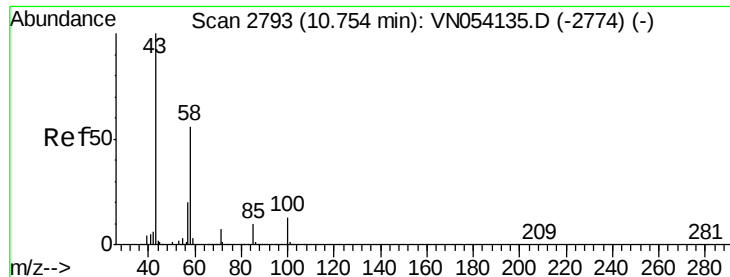
1000000

500000

0

Time-->

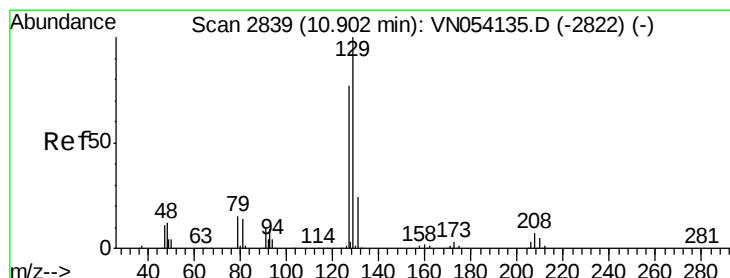
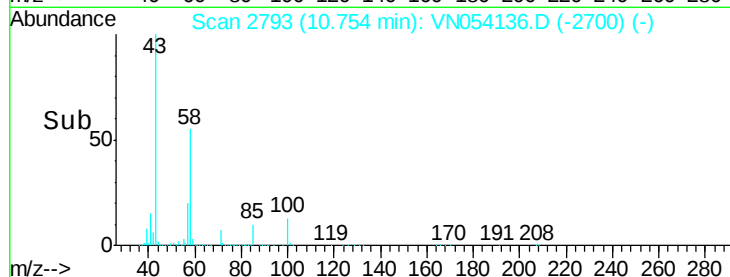
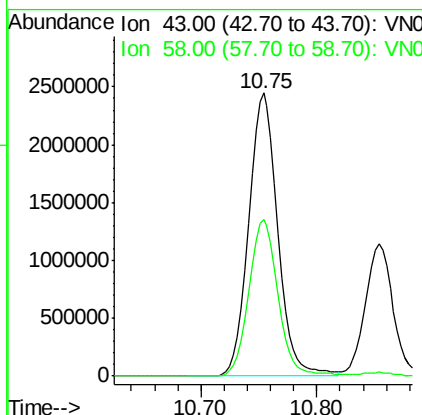
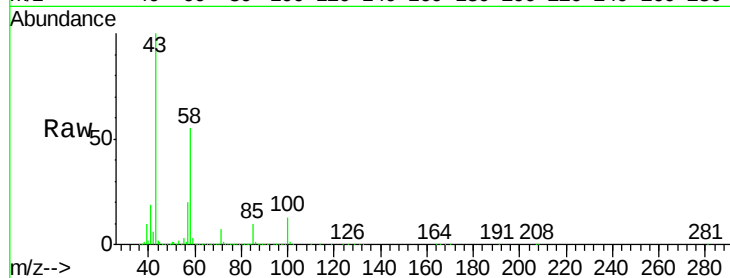




#59
2-Hexanone
Concen: 521.448 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

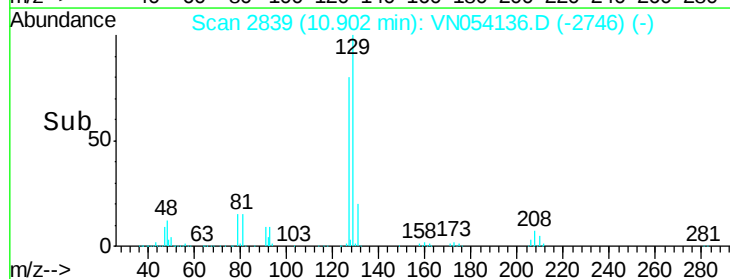
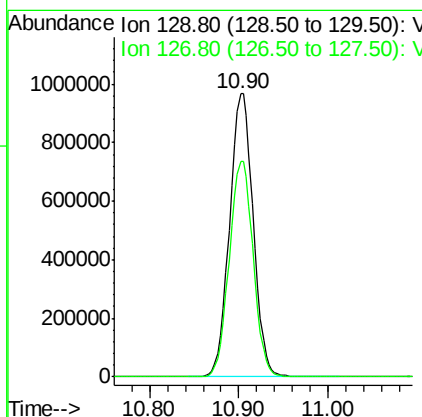
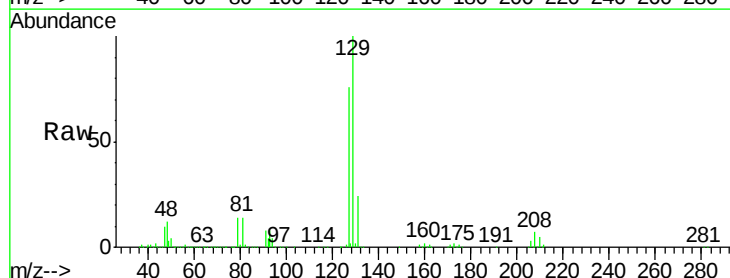
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

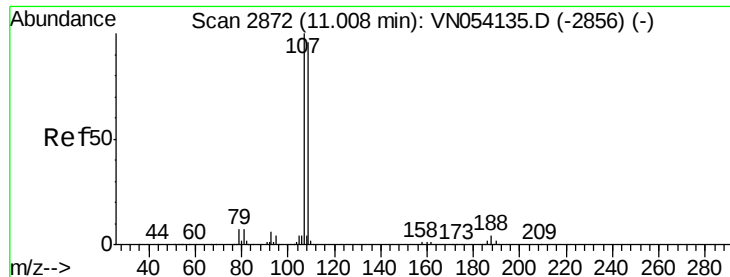
Tot Ion: 43 Resp: 4277072
Ion Ratio Lower Upper
43 100
58 56.0 27.0 81.0



#60
Dibromochloromethane
Concen: 103.124 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 129 Resp: 1771165
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 100.061 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

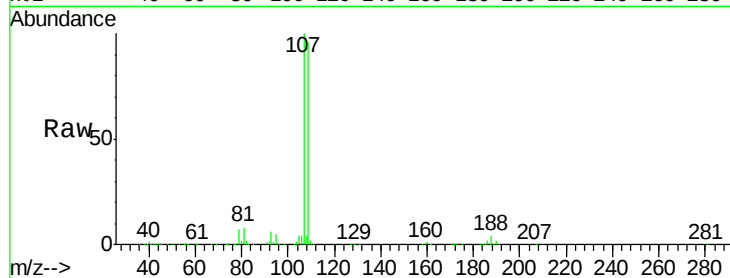
VSTDIC100

Tot Ion:107 Resp: 1490902

Ion Ratio Lower Upper

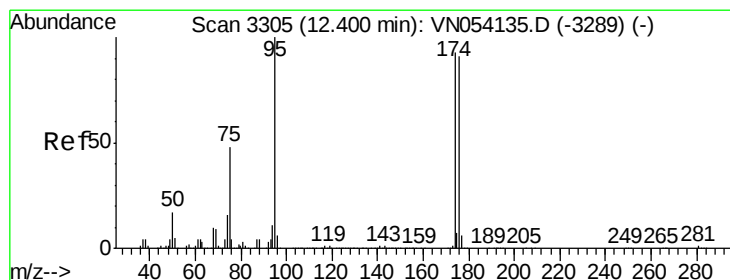
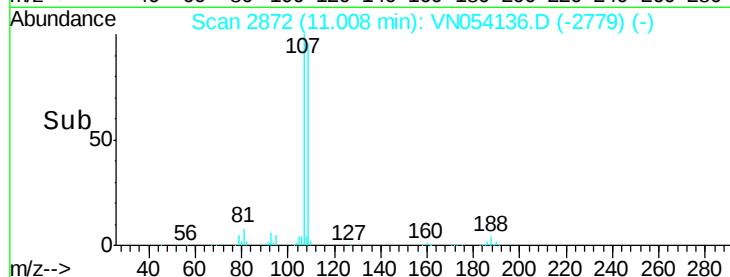
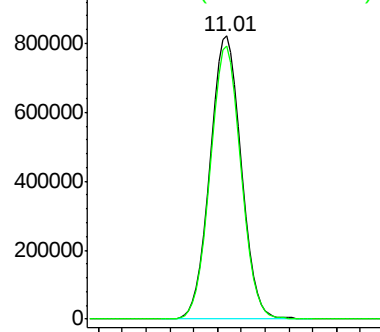
107 100

109 95.6 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 101.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

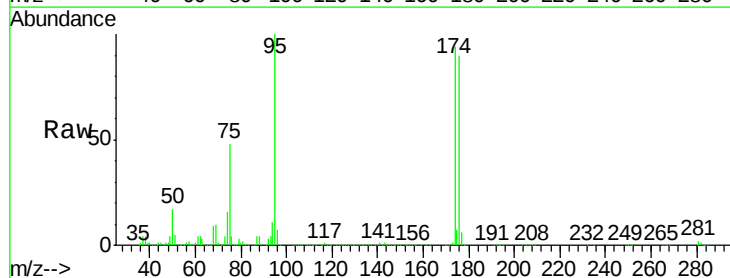
Tgt Ion: 95 Resp: 2077283

Ion Ratio Lower Upper

95 100

174 94.6 0.0 173.2

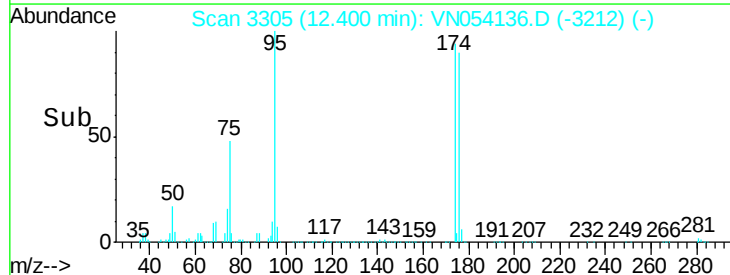
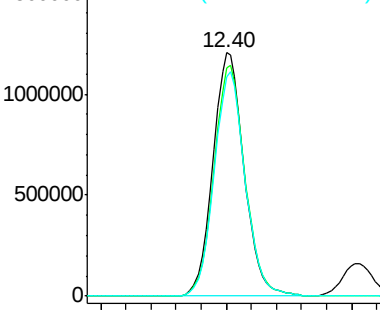
176 92.0 0.0 168.8

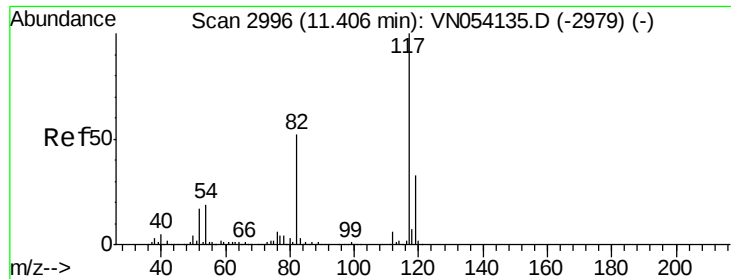


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

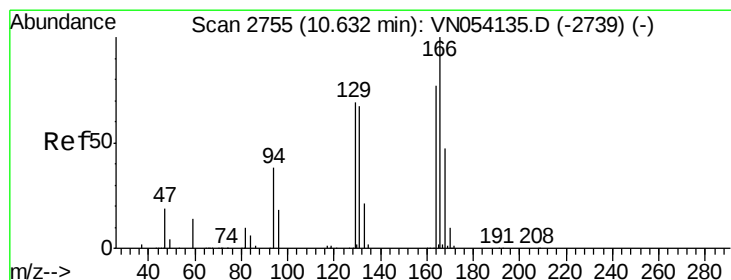
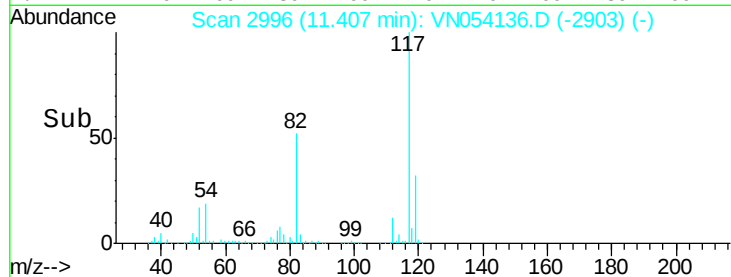
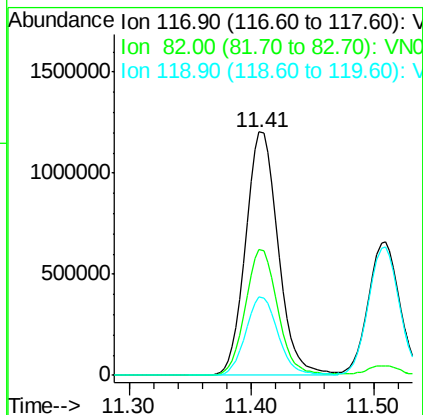
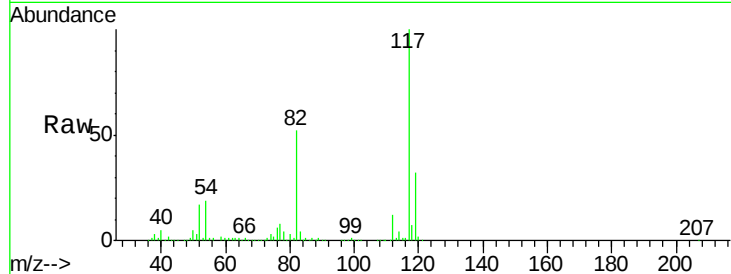




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

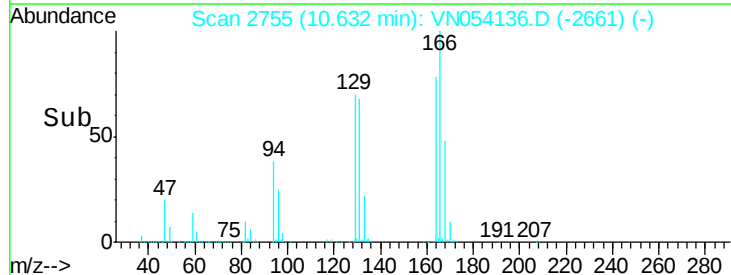
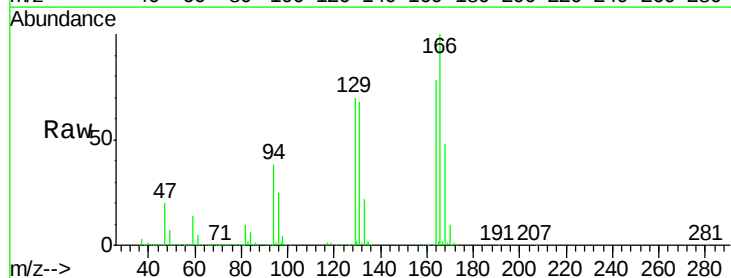
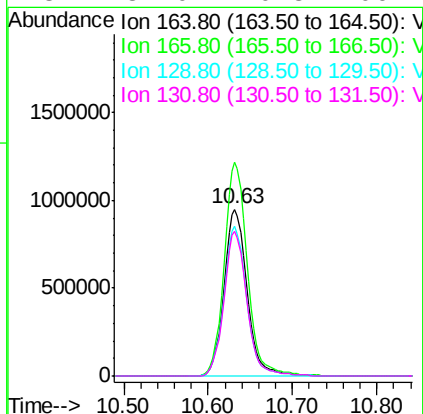
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

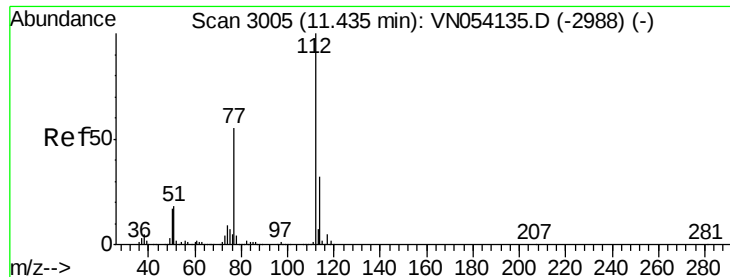
Tot Ion:117 Resp: 2214737
Ion Ratio Lower Upper
117 100
82 51.6 43.4 65.2
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 88.582 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion:164 Resp: 1806395
Ion Ratio Lower Upper
164 100
166 128.1 101.3 151.9
129 89.6 73.2 109.8
131 87.0 70.8 106.2





#65

Chlorobenzene

Concen: 94.997 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

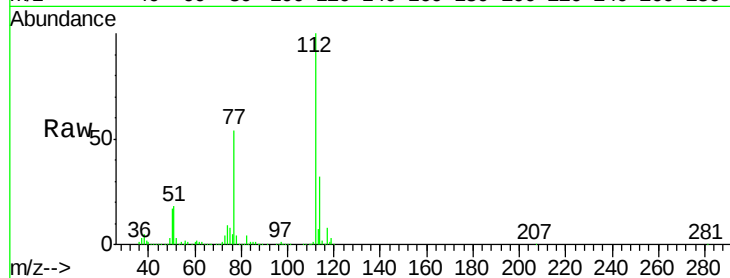
VSTDIC100

Tot Ion:112 Resp: 4457832

Ion Ratio Lower Upper

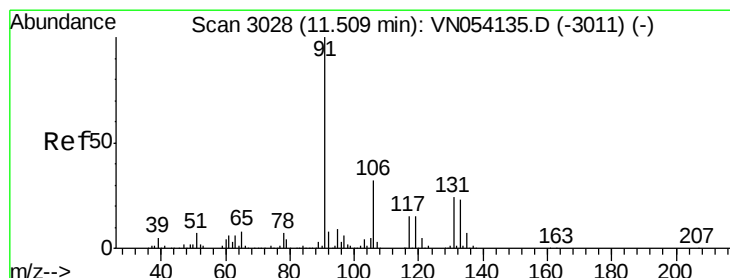
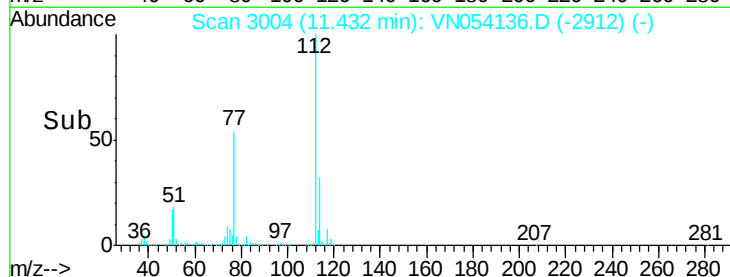
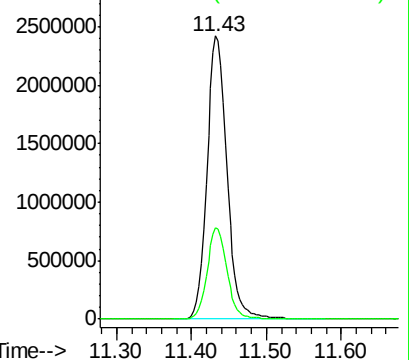
112 100

114 32.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 97.299 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

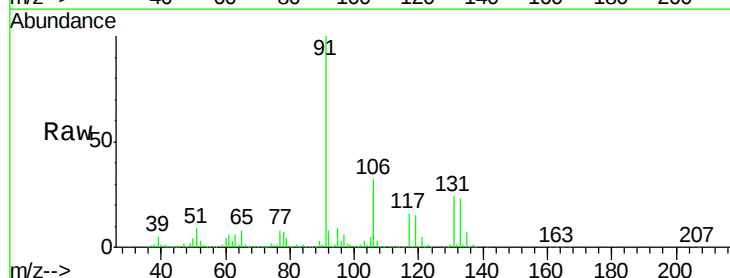
Tgt Ion:131 Resp: 1717672

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.9

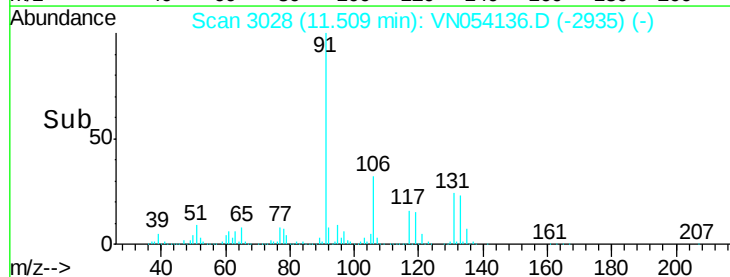
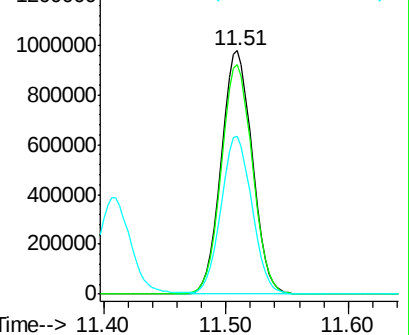
119 64.9 33.8 101.3

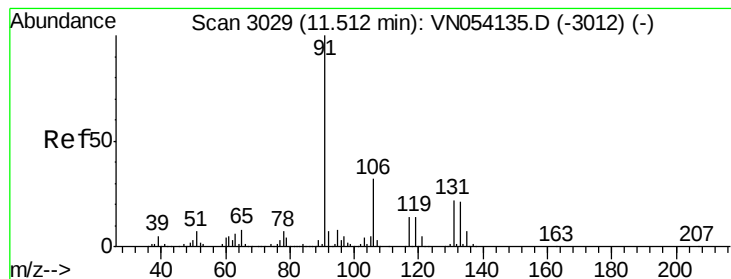


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 94.996 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

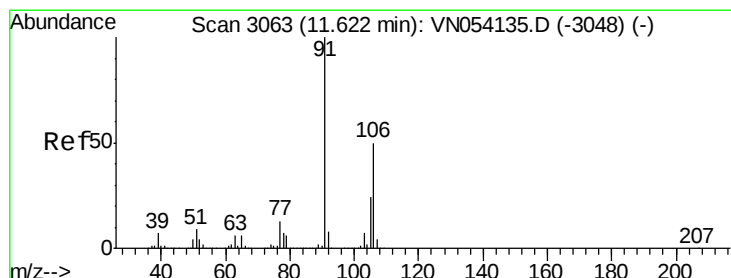
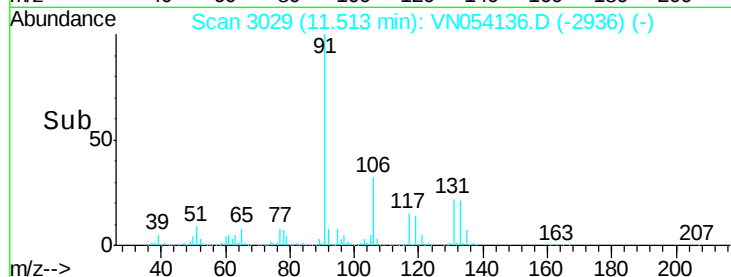
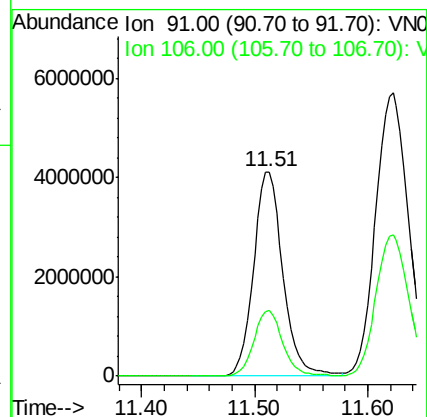
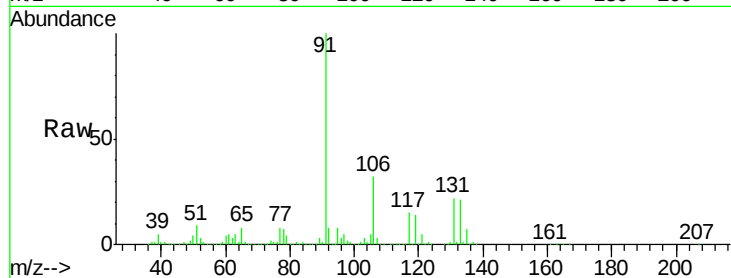
VSTDIC100

Tot Ion: 91 Resp: 7410113

Ion Ratio Lower Upper

91 100

106 31.9 24.6 36.8



#68

m/p-Xylenes

Concen: 191.465 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054136.D

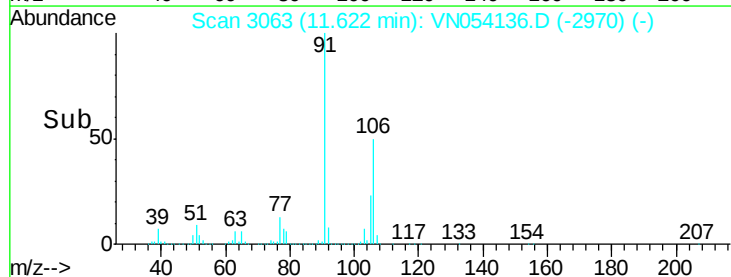
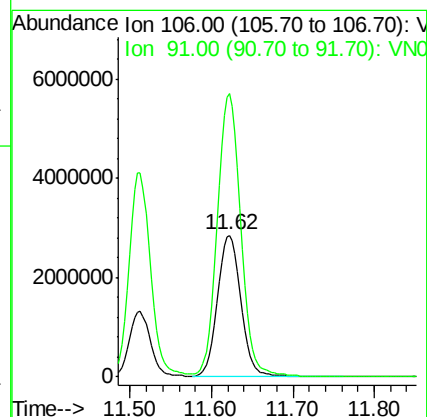
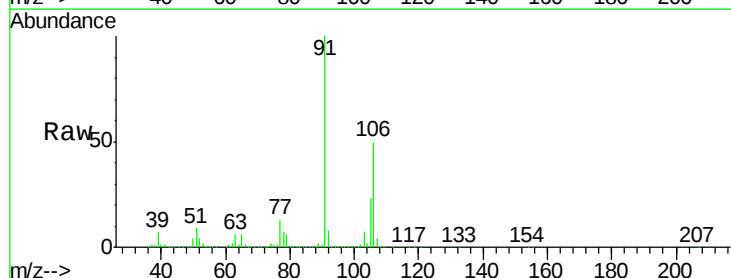
Acq: 11 Mar 2019 11:56

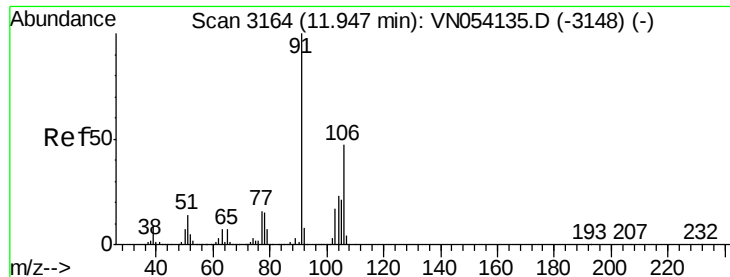
Tgt Ion: 106 Resp: 5840536

Ion Ratio Lower Upper

106 100

91 200.2 163.2 244.8





#69

o-Xylene

Concen: 95.439 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

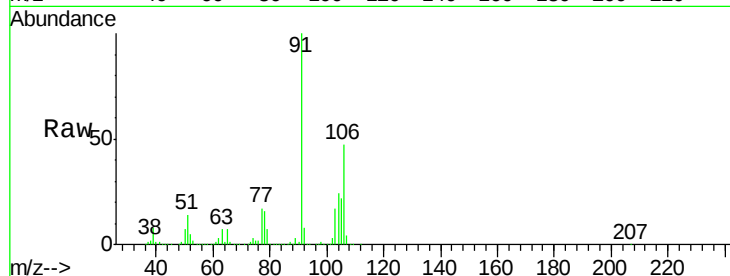
VSTDIC100

Tot Ion:106 Resp: 2857679

Ion Ratio Lower Upper

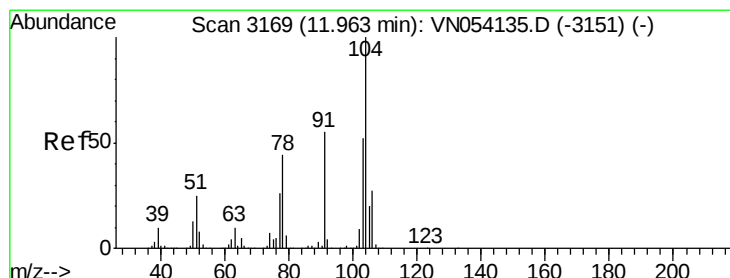
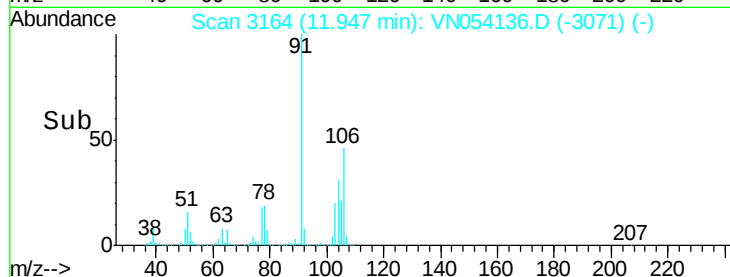
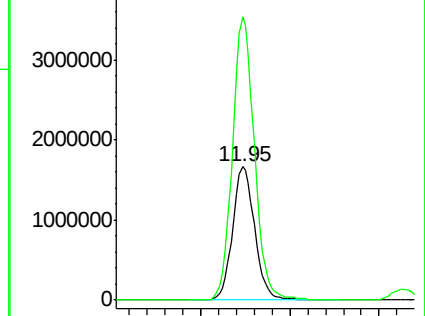
106 100

91 210.1 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 100.769 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

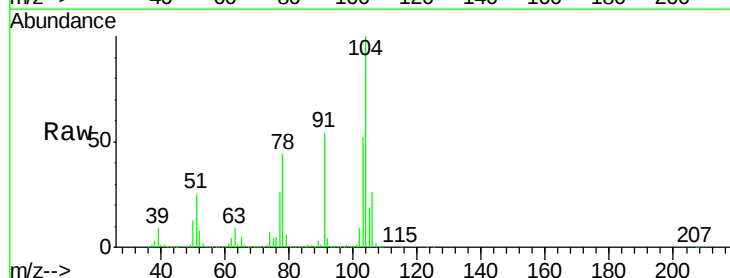
Tgt Ion:104 Resp: 4674082

Ion Ratio Lower Upper

104 100

78 47.9 39.4 59.0

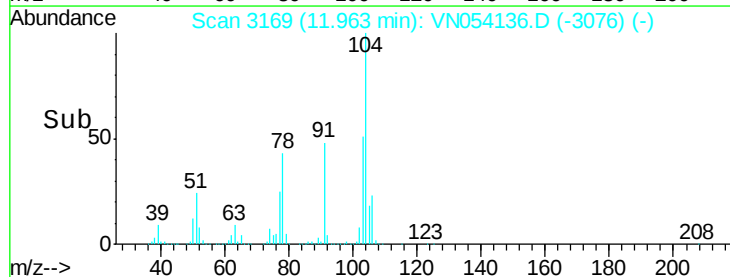
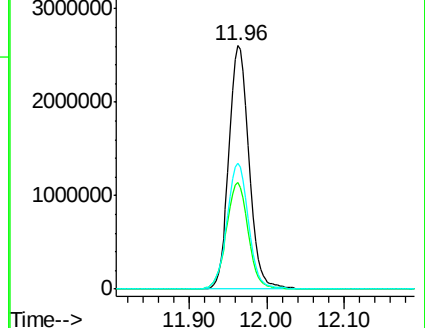
103 55.6 44.7 67.1

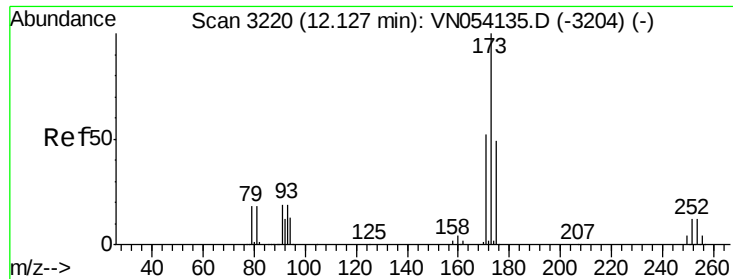


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 107.344 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

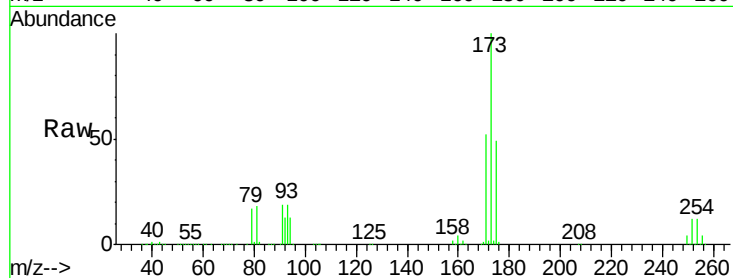
Tot Ion:173 Resp: 1313285

Ion Ratio Lower Upper

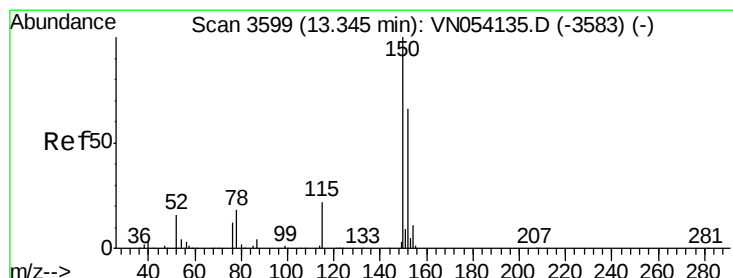
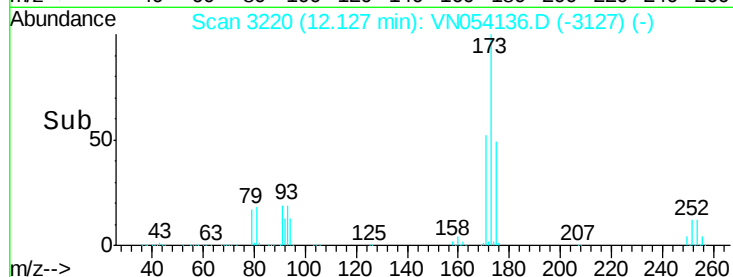
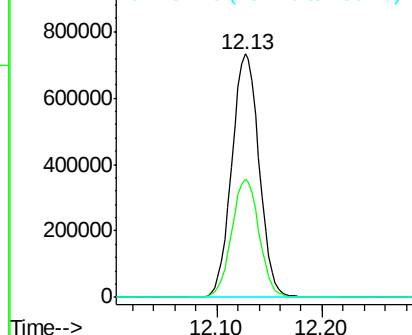
173 100

175 48.7 24.1 72.2

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

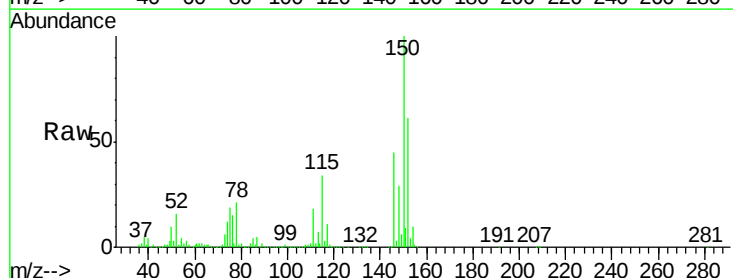
Tgt Ion:152 Resp: 1120350

Ion Ratio Lower Upper

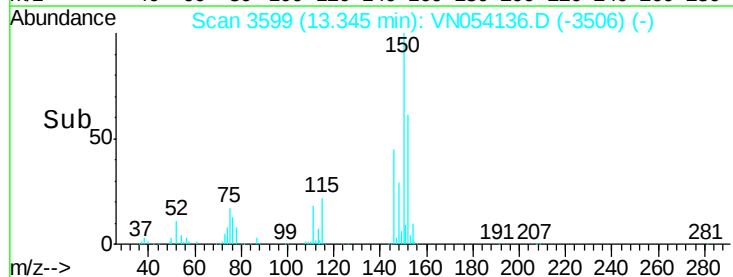
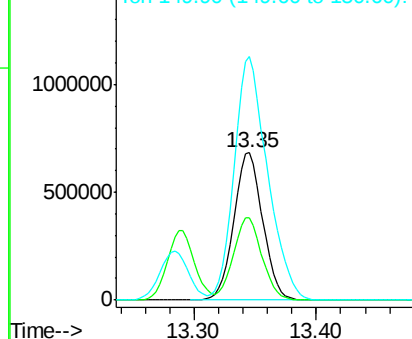
152 100

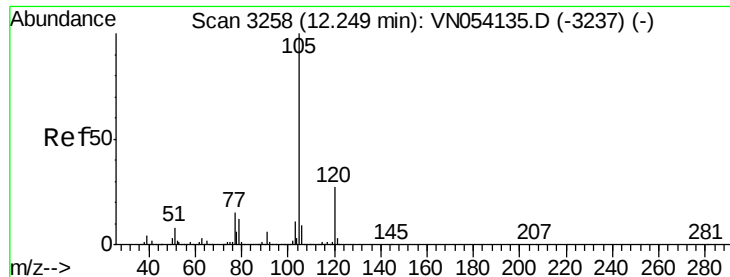
115 55.1 28.5 85.6

150 190.5 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 85.115 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

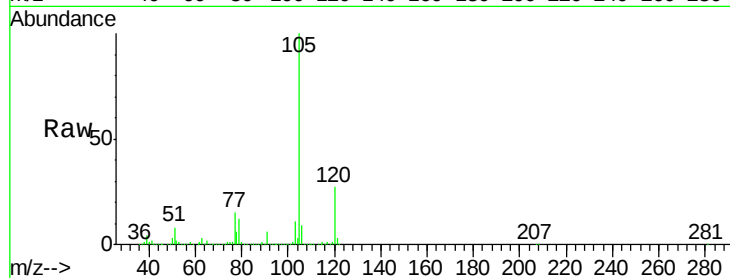
VSTDIC100

Tot Ion:105 Resp: 7584691

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

5000000

4000000

3000000

2000000

1000000

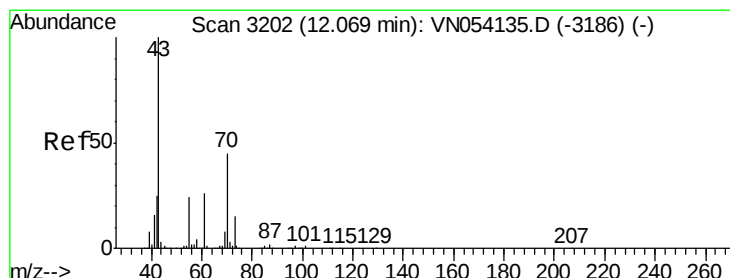
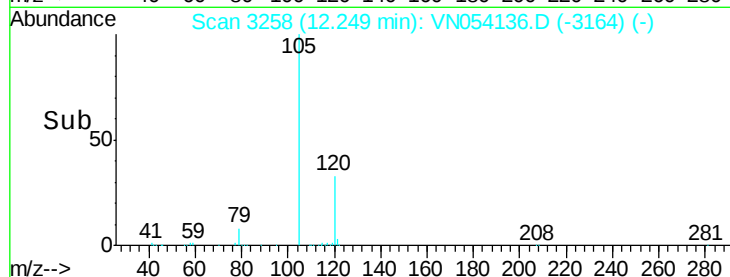
0

12.25

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 99.025 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Tgt Ion: 43 Resp: 2009860

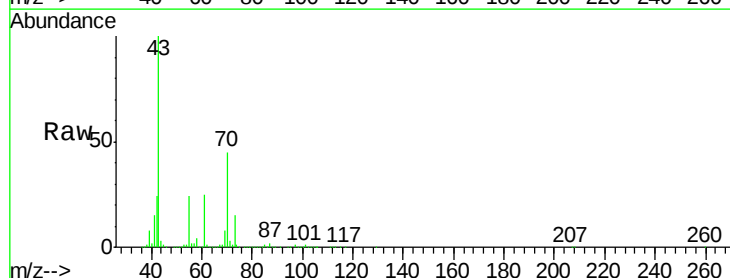
Ion Ratio Lower Upper

43 100

70 45.5 33.6 50.4

55 24.1 20.6 31.0

61 25.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

2000000

1500000

1000000

500000

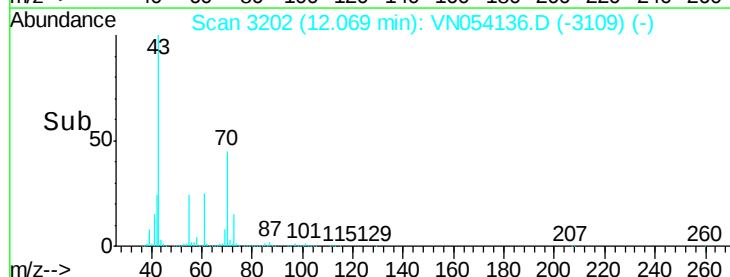
0

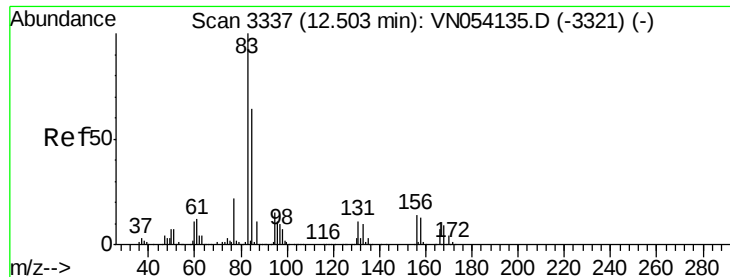
12.07

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 91.083 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

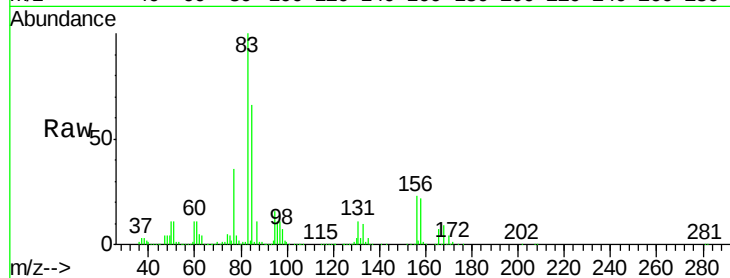
Tot Ion: 83 Resp: 1756395

Ion Ratio Lower Upper

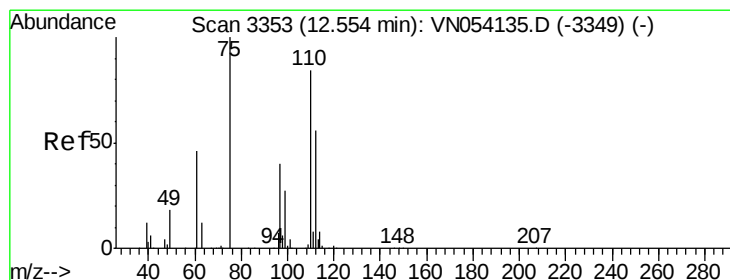
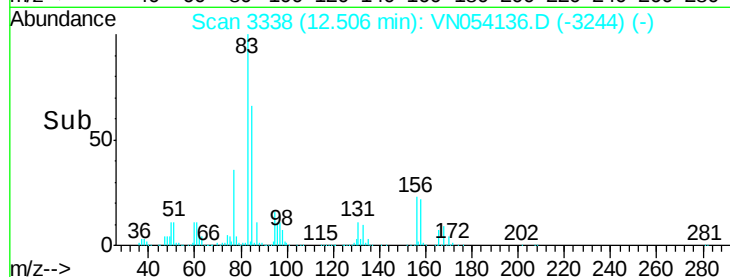
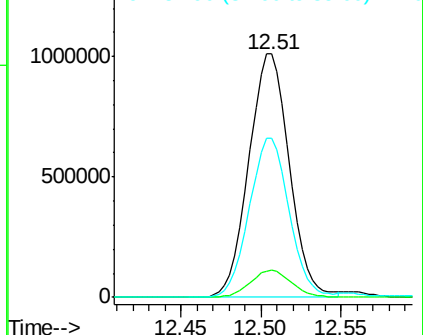
83 100

131 11.3 5.0 14.9

85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 145.448 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054136.D

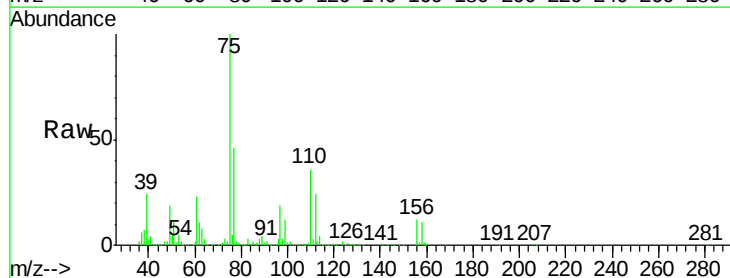
Acq: 11 Mar 2019 11:56

Tgt Ion: 75 Resp: 2301175

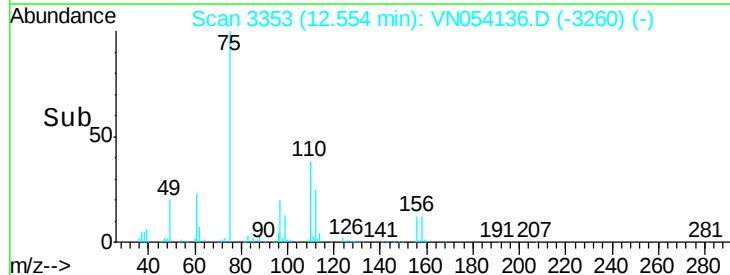
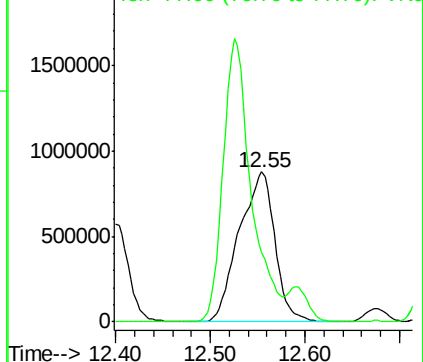
Ion Ratio Lower Upper

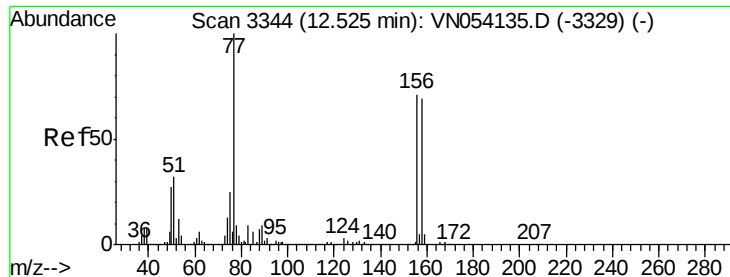
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 87.908 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

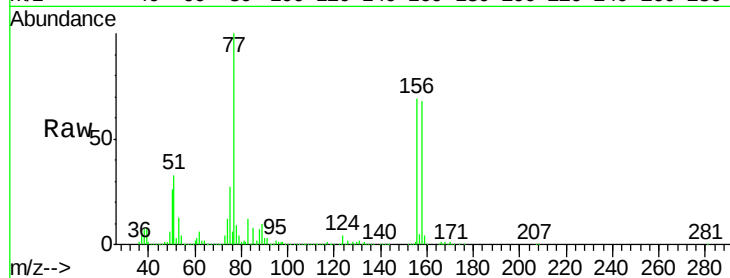
Tot Ion:156 Resp: 2039020

Ion Ratio Lower Upper

156 100

77 168.0 93.6 280.8

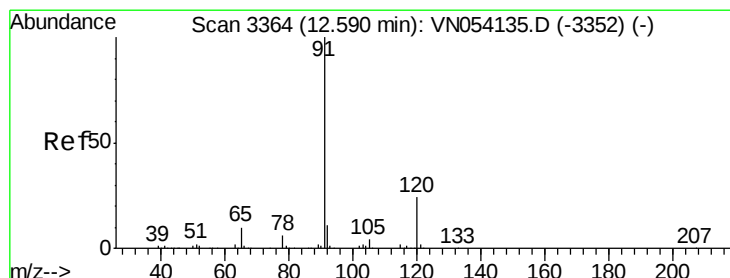
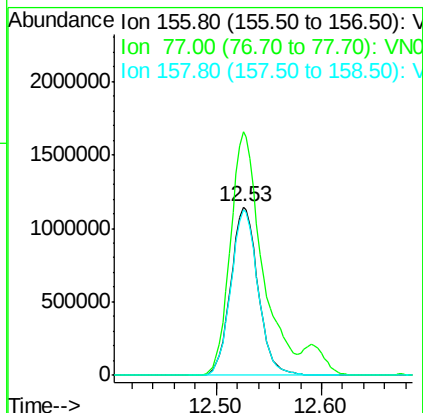
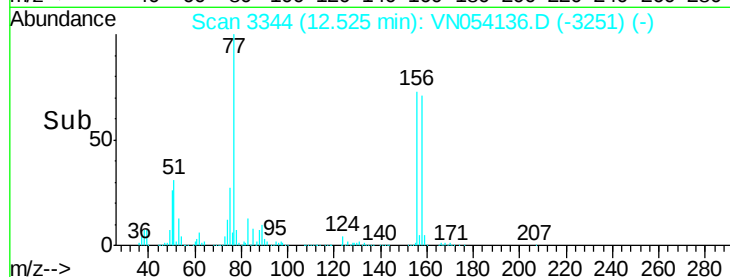
158 98.1 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 89.677 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054136.D

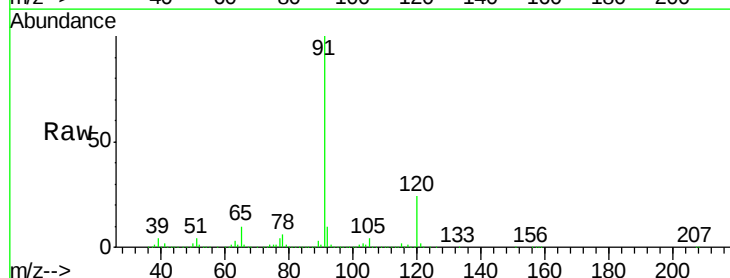
Acq: 11 Mar 2019 11:56

Tgt Ion: 91 Resp: 8551206

Ion Ratio Lower Upper

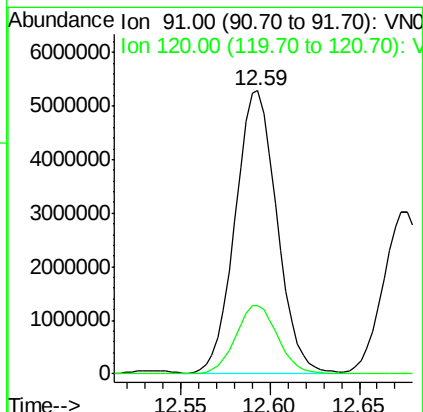
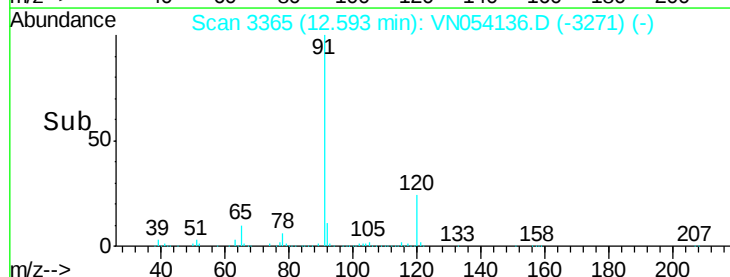
91 100

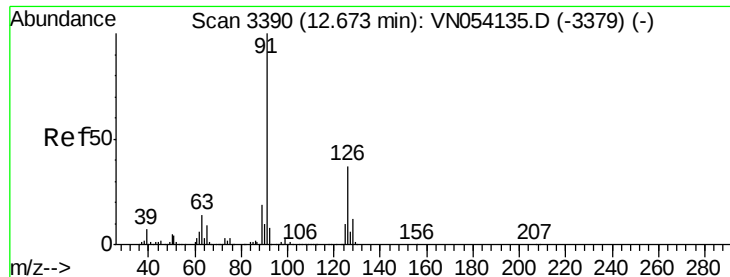
120 24.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 86.401 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

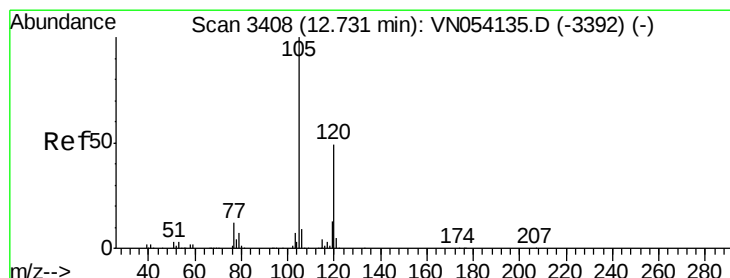
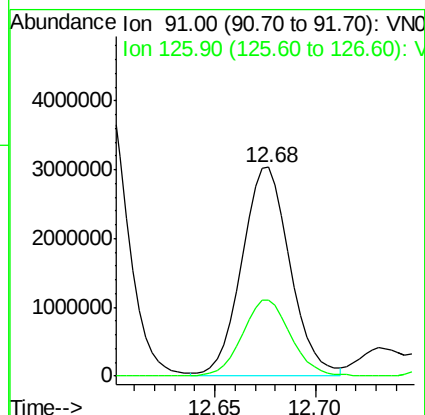
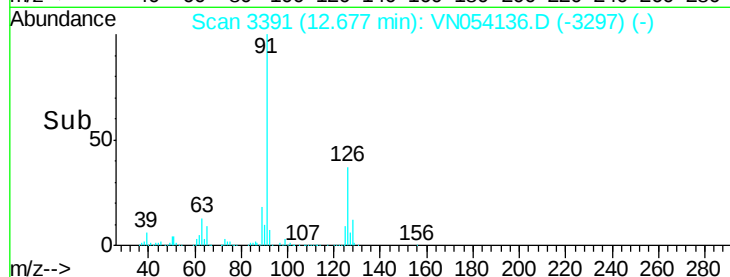
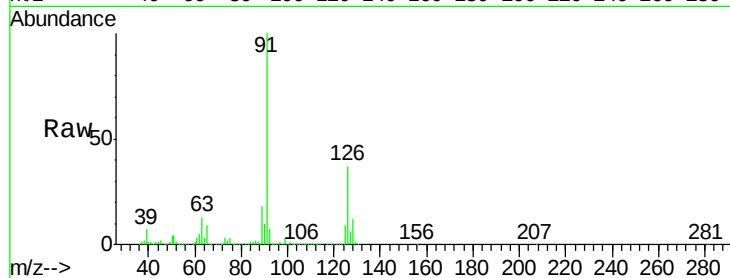
VSTDIC100

Tot Ion: 91 Resp: 5043238

Ion Ratio Lower Upper

91 100

126 37.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 87.510 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054136.D

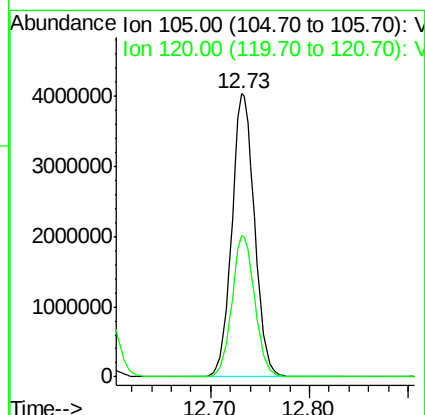
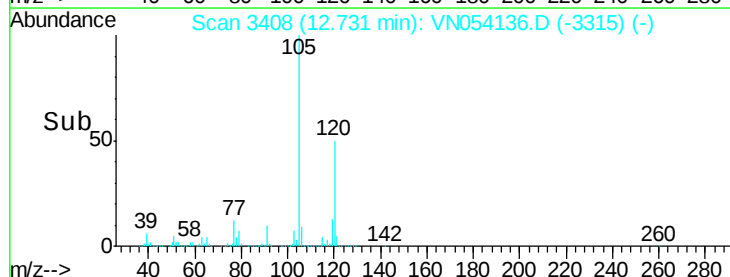
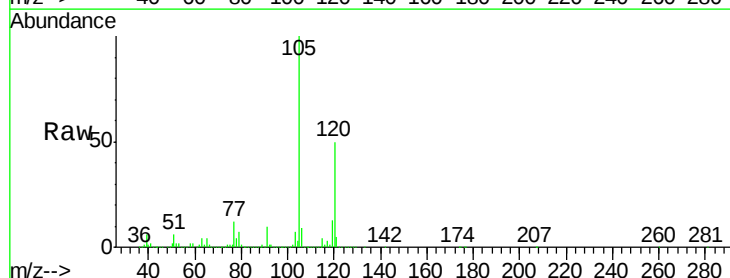
Acq: 11 Mar 2019 11:56

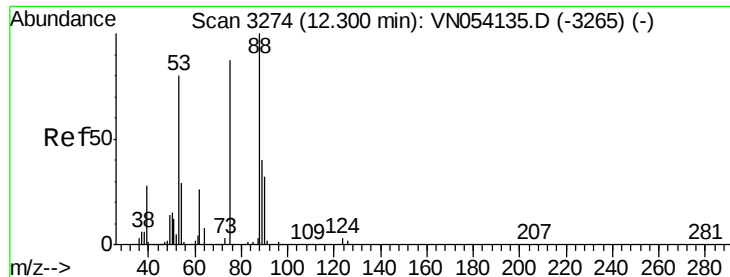
Tgt Ion: 105 Resp: 6464338

Ion Ratio Lower Upper

105 100

120 50.1 24.6 73.8

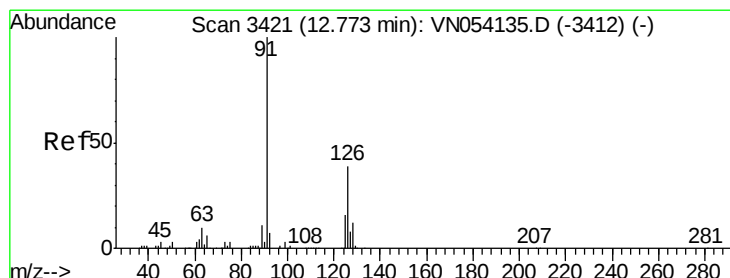
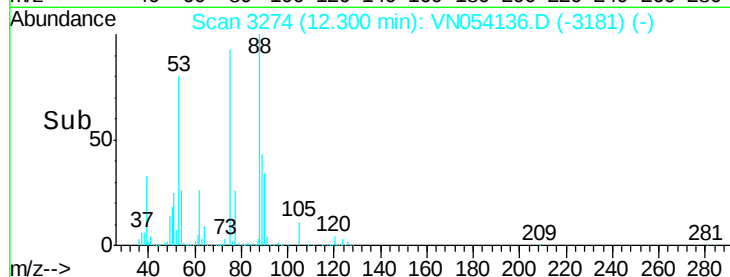
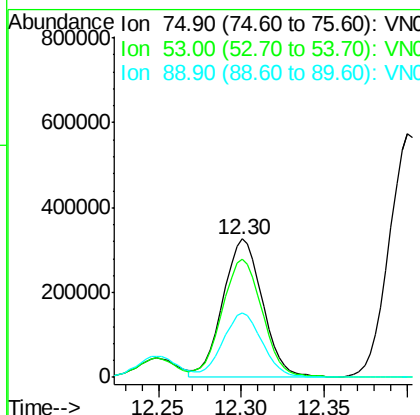
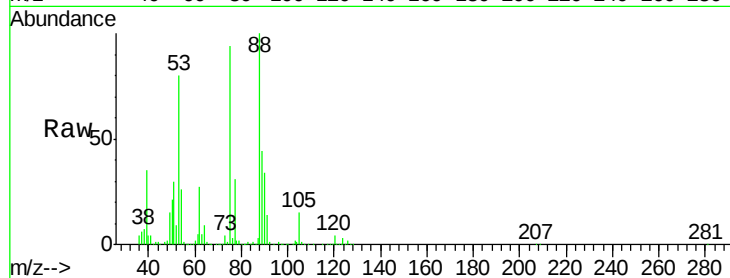




#81
trans-1,4-Dichloro-2-butene
Concen: 101.000 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

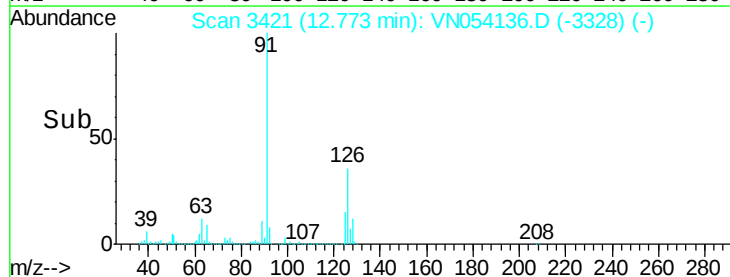
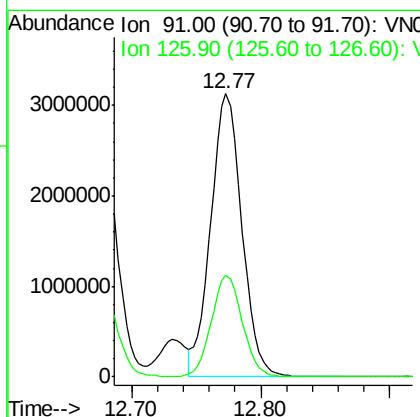
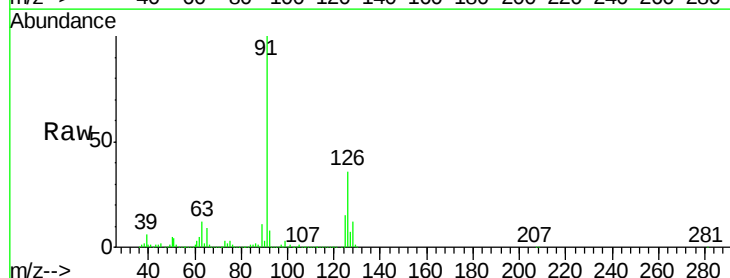
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

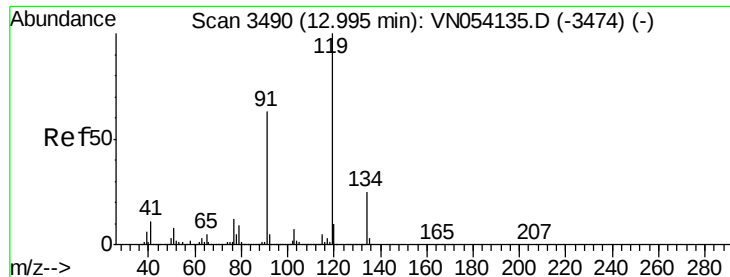
Tot Ion: 75 Resp: 536813
Ion Ratio Lower Upper
75 100
53 87.9 76.4 114.6
89 47.1 35.3 52.9



#82
4-Chlorotoluene
Concen: 92.033 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 91 Resp: 5237394
Ion Ratio Lower Upper
91 100
126 35.8 17.1 51.3





#83

tert-Butylbenzene

Concen: 85.228 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

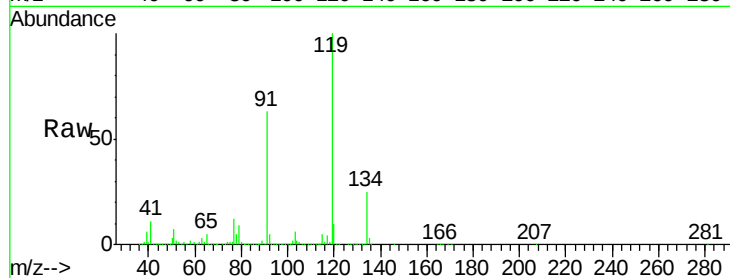
Tot Ion:119 Resp: 5814441

Ion Ratio Lower Upper

119 100

91 61.9 31.8 95.3

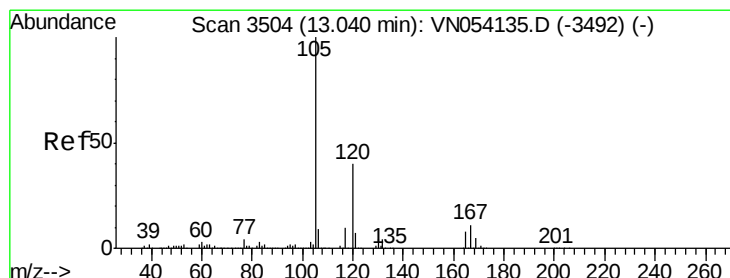
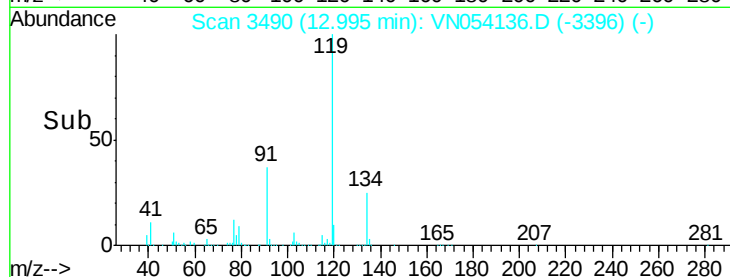
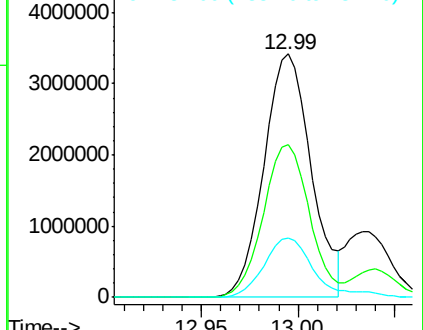
134 25.9 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 90.390 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054136.D

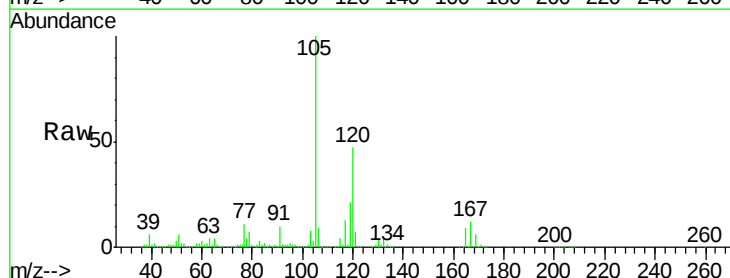
Acq: 11 Mar 2019 11:56

Tgt Ion:105 Resp: 6538100

Ion Ratio Lower Upper

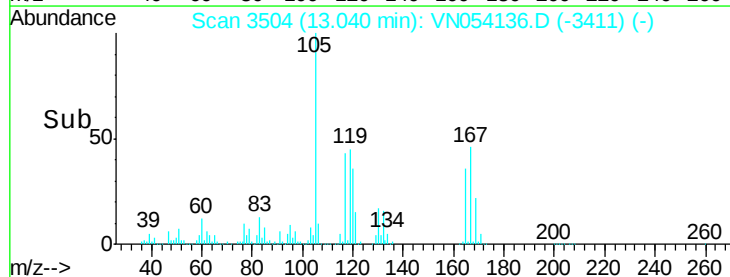
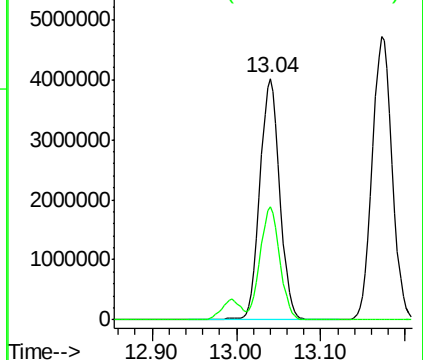
105 100

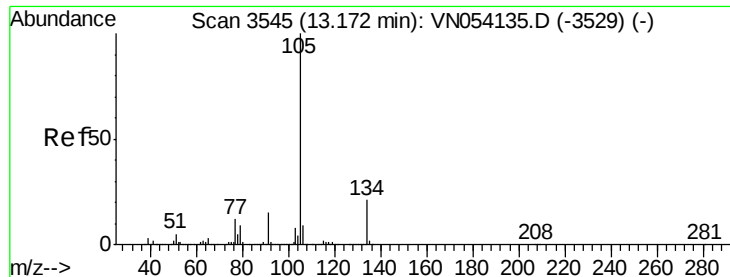
120 46.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 86.913 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

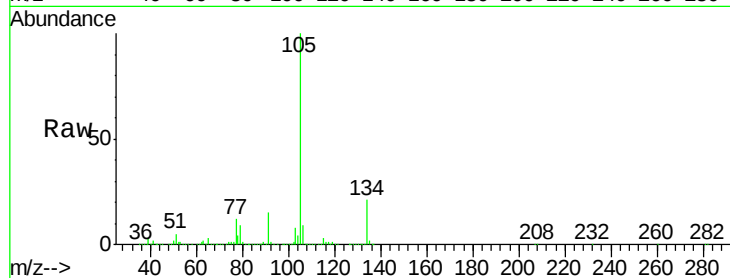
VSTDIC100

Tot Ion:105 Resp: 7682943

Ion Ratio Lower Upper

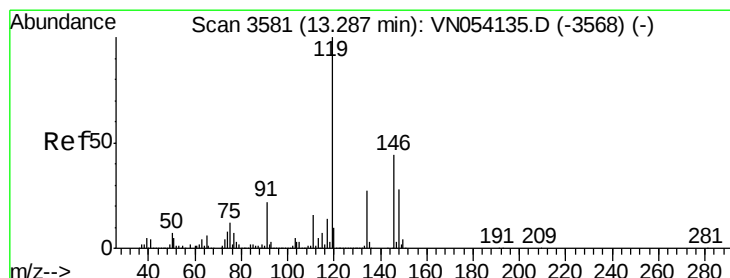
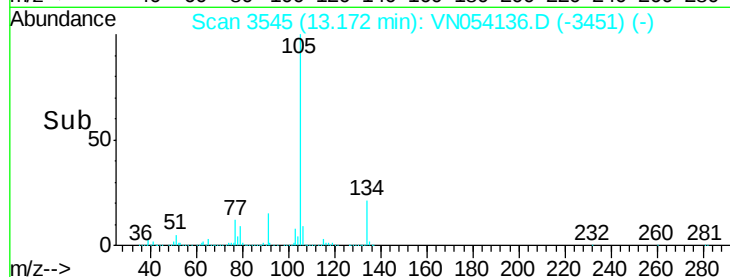
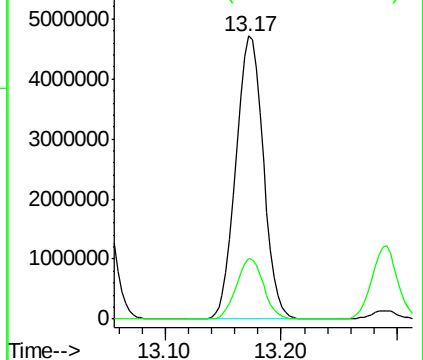
105 100

134 21.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 89.945 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

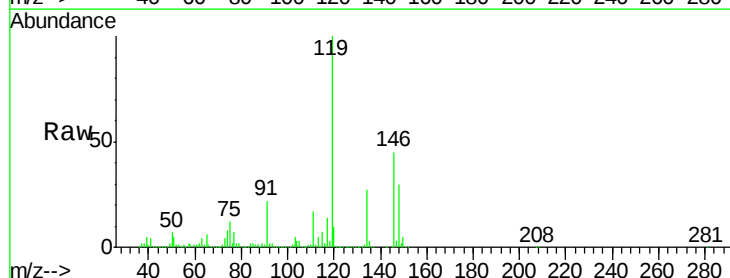
Tgt Ion:119 Resp: 6937874

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

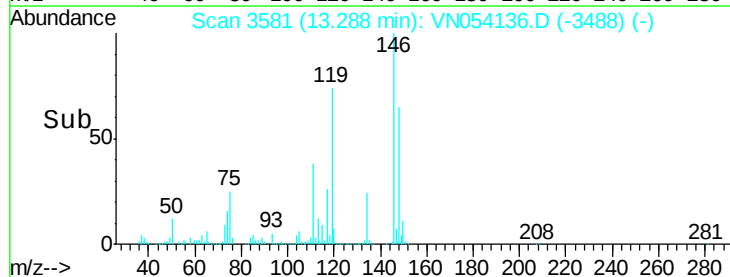
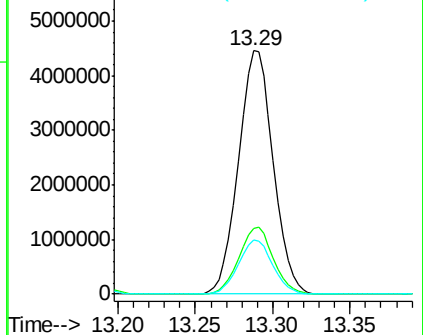
91 22.2 11.4 34.2

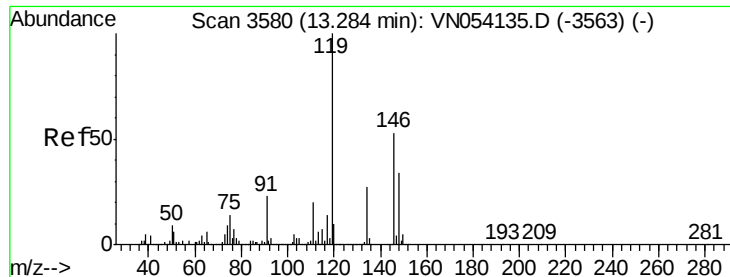


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 94.154 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

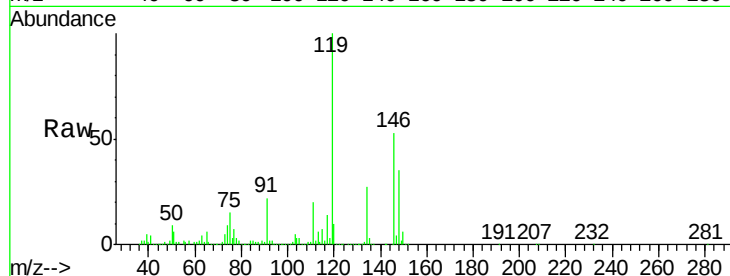
Tot Ion:146 Resp: 3649363

Ion Ratio Lower Upper

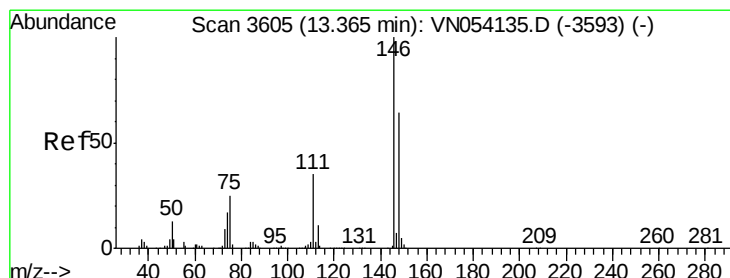
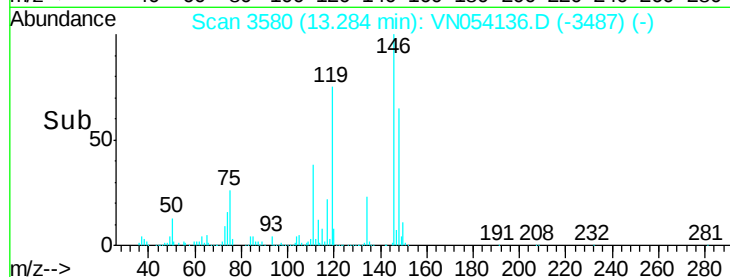
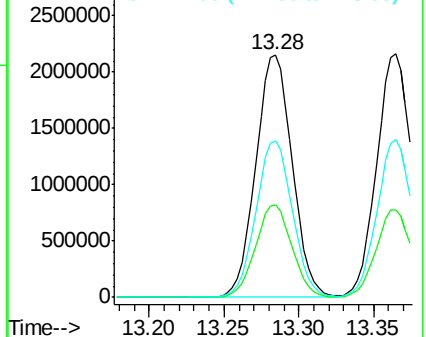
146 100

111 38.0 19.3 57.8

148 64.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 93.964 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054136.D

Acq: 11 Mar 2019 11:56

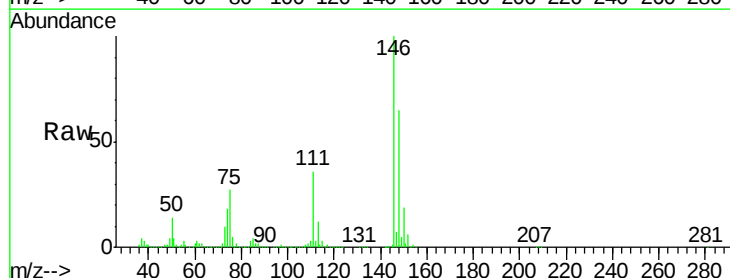
Tgt Ion:146 Resp: 3596190

Ion Ratio Lower Upper

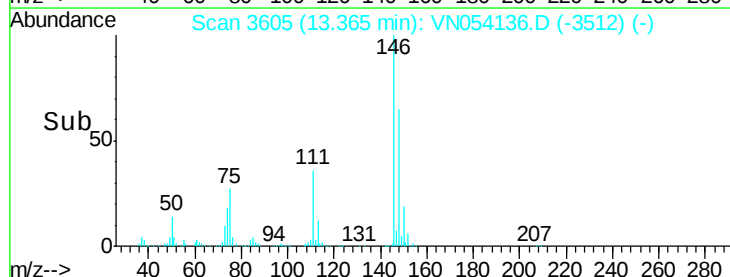
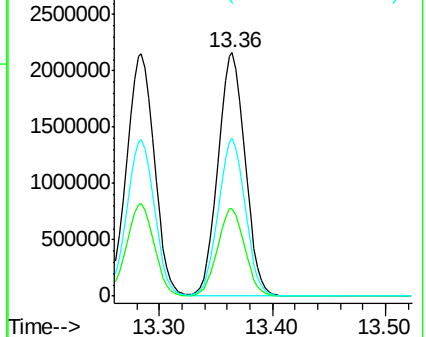
146 100

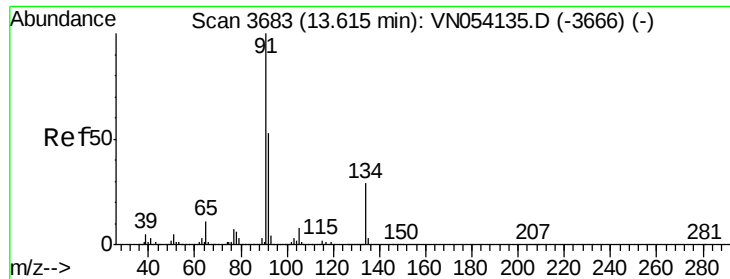
111 36.0 18.9 56.5

148 64.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

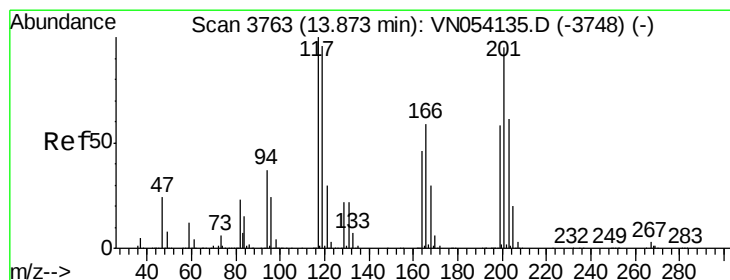
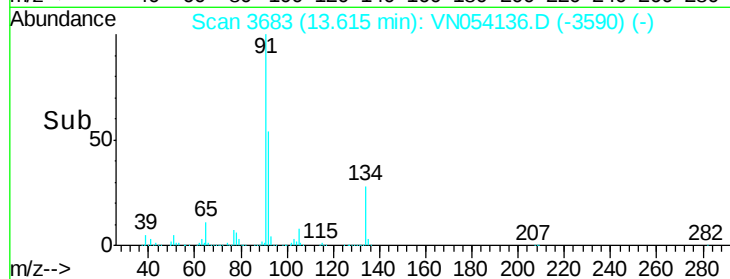
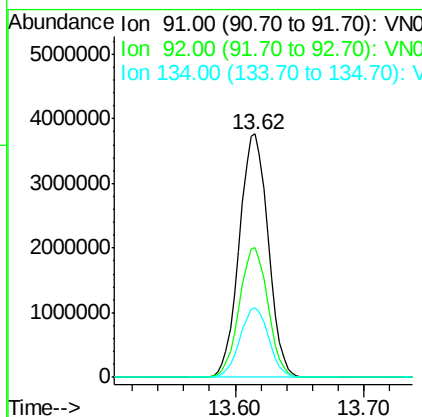
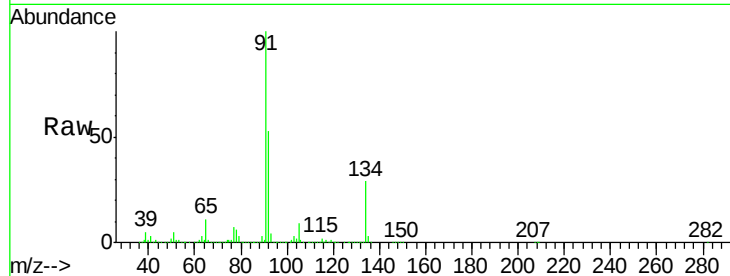




#89
n-Butylbenzene
Concen: 99.127 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

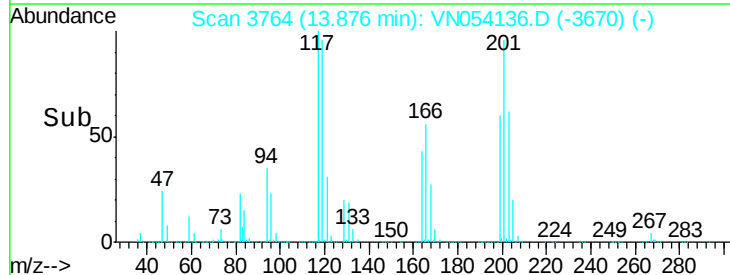
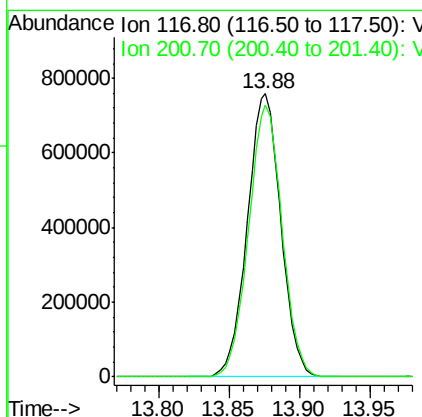
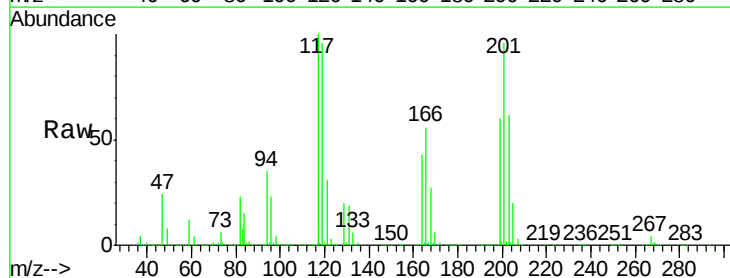
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

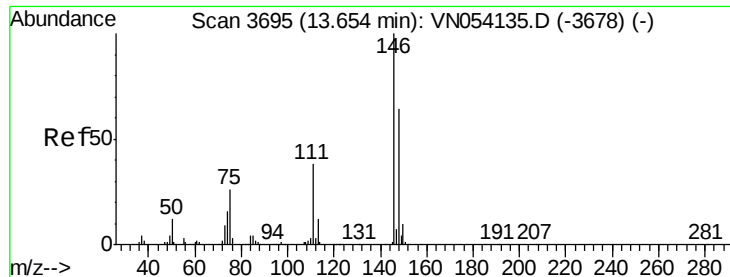
Tot Ion: 91 Resp: 5864061
Ion Ratio Lower Upper
91 100
92 52.9 26.0 78.0
134 28.4 13.1 39.1



#90
Hexachloroethane
Concen: 91.366 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 117 Resp: 1258443
Ion Ratio Lower Upper
117 100
201 96.1 44.9 134.7

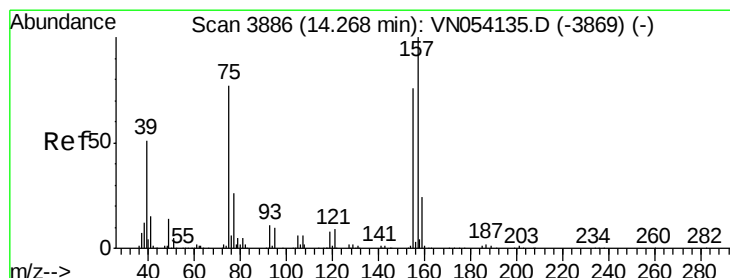
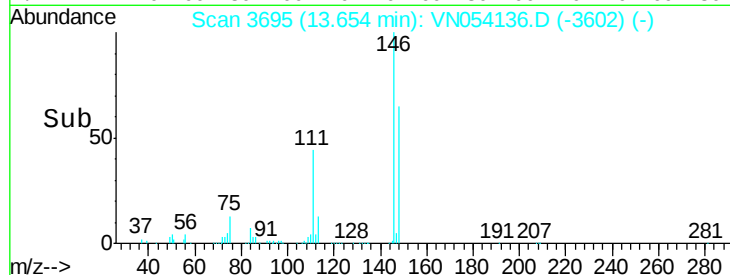
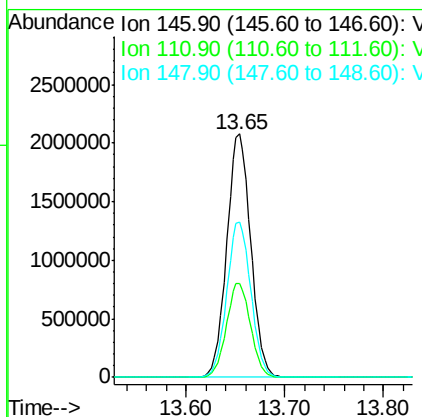
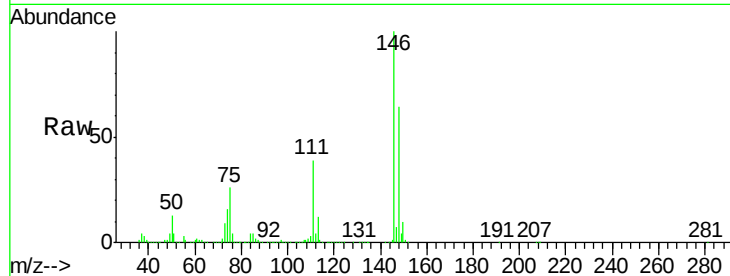




#91
 1,2-Dichlorobenzene
 Concen: 92.756 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

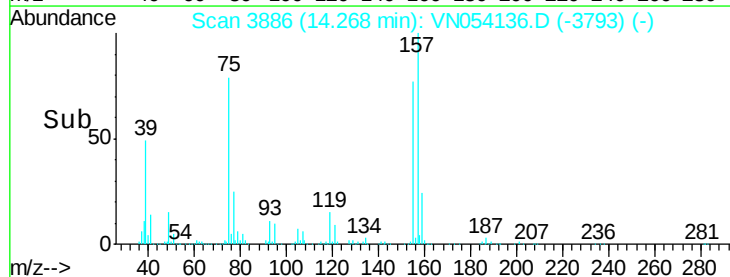
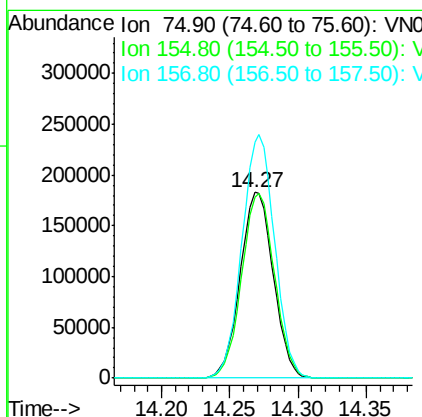
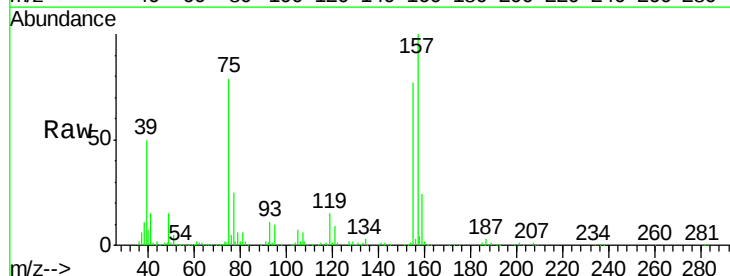
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

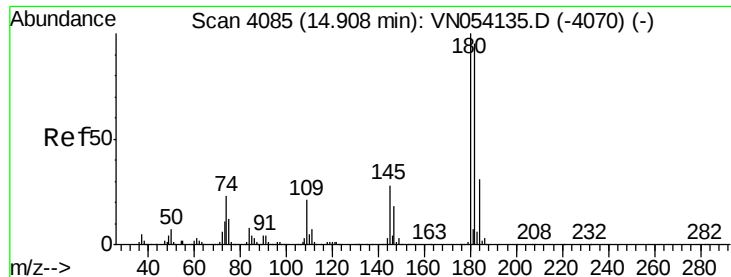
Tot Ion:146 Resp: 3529948
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 60.0
 148 64.3 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.825 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

Tgt Ion: 75 Resp: 308197
 Ion Ratio Lower Upper
 75 100
 155 98.7 44.5 133.5
 157 129.1 57.2 171.6

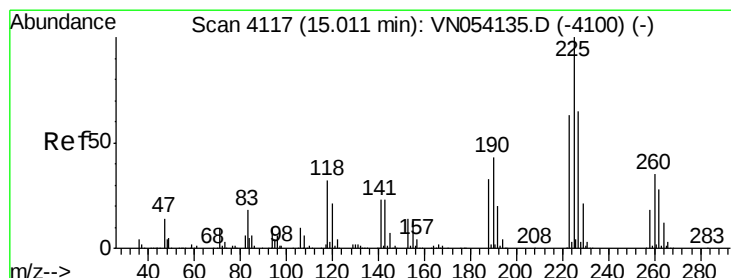
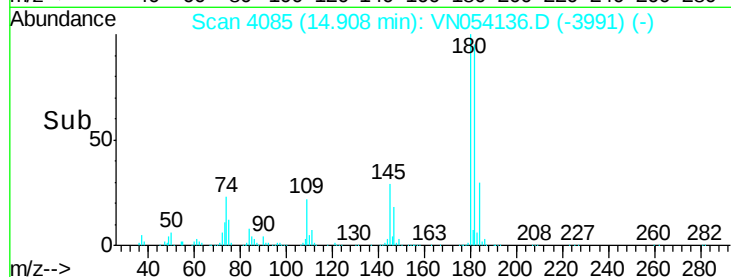
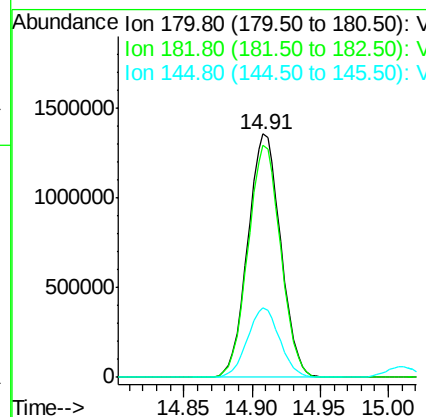
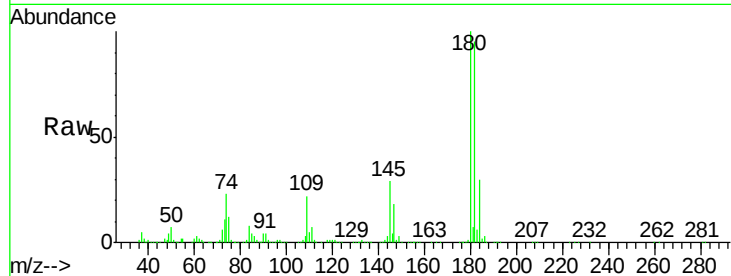




#93
 1,2,4-Trichlorobenzene
 Concen: 114.464 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

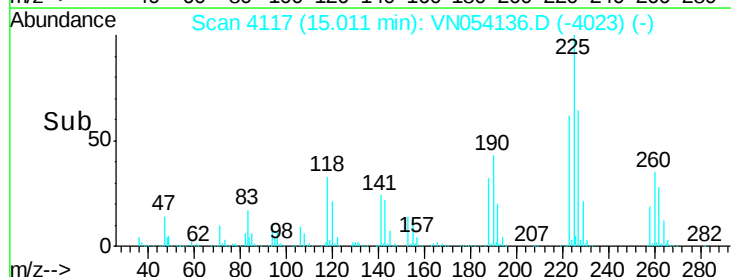
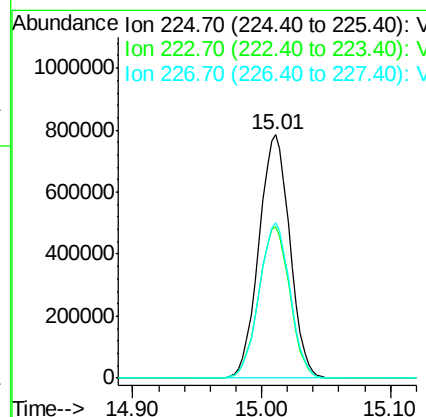
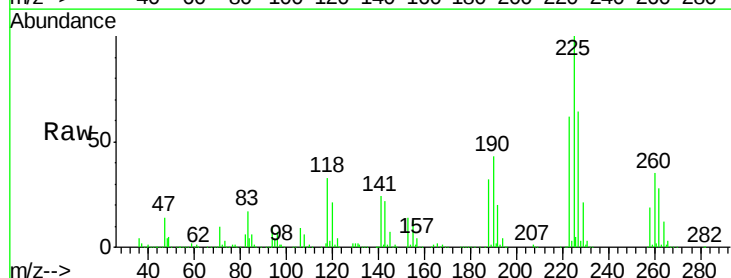
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

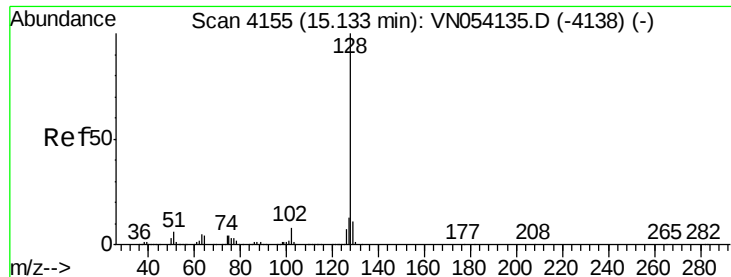
Tot Ion:180 Resp: 2259498
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.1 144.3
 145 28.1 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 87.041 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054136.D
 Acq: 11 Mar 2019 11:56

Tgt Ion:225 Resp: 1310029
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 63.9 31.9 95.7

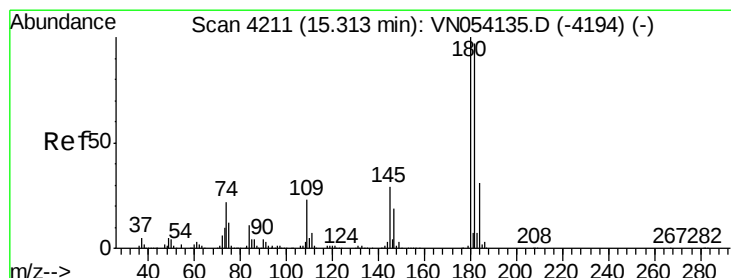
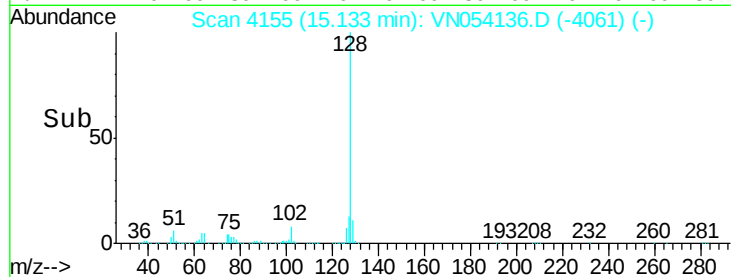
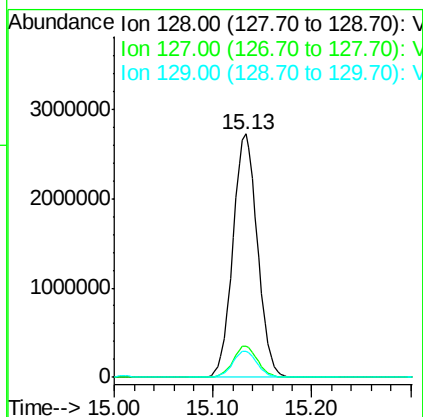
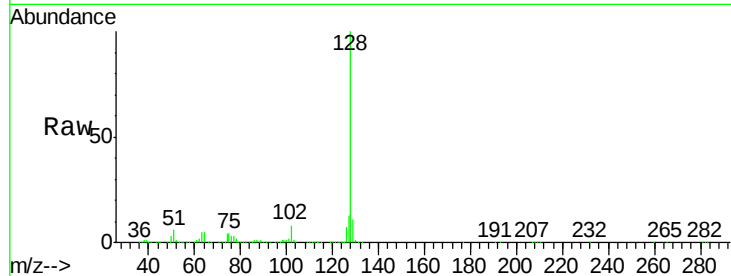




#95
Naphthalene
Concen: 112.347 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 4705258
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 107.556 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054136.D
Acq: 11 Mar 2019 11:56

Tgt Ion:180 Resp: 2151250
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 29.9 14.9 44.5

