

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054140.D
 Acq On : 11 Mar 2019 13:42
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 12 01:27:16 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	1713468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2573856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2242899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1006092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366649	20.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.02%	
35) Dibromofluoromethane	7.59	113	336794	20.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.56%	
50) Toluene-d8	10.09	98	1214429	19.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.70%	
62) 4-Bromofluorobenzene	12.40	95	419203	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	258323	18.295	ug/l	99
3) Chloromethane	2.06	50	307811	18.318	ug/l	97
4) Vinyl Chloride	2.19	62	356444	18.821	ug/l	99
5) Bromomethane	2.58	94	260675	20.078	ug/l	96
6) Chloroethane	2.71	64	223498	18.980	ug/l	98
7) Trichlorofluoromethane	3.03	101	494892	18.963	ug/l	97
8) Diethyl Ether	3.41	74	203187	19.346	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.75	101	321824	19.150	ug/l	97
10) Methyl Iodide	3.95	142	363004	16.904	ug/l	96
11) Tert butyl alcohol	4.82	59	112777	89.144	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	309901	19.087	ug/l	92
13) Acrolein	3.61	56	91030	88.695	ug/l	99
14) Allyl chloride	4.32	41	421212	17.898	ug/l #	85
15) Acrylonitrile	5.00	53	487230	95.319	ug/l	98
16) Acetone	3.82	43	468869	91.061	ug/l	92
17) Carbon Disulfide	4.04	76	773033	18.447	ug/l	100
18) Methyl Acetate	4.33	43	215845	18.325	ug/l	92
19) Methyl tert-butyl Ether	5.06	73	835967	18.938	ug/l	96
20) Methylene Chloride	4.55	84	305430	18.533	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	305422	19.155	ug/l	92
22) Diisopropyl ether	5.96	45	836516	19.246	ug/l #	95
23) Vinyl Acetate	5.90	43	3078584	93.806	ug/l	96
24) 1,1-Dichloroethane	5.85	63	536811	19.051	ug/l	98
25) 2-Butanone	6.85	43	572680	93.683	ug/l	93
26) 2,2-Dichloropropane	6.82	77	494038	18.986	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	354630	19.444	ug/l	93
28) Bromochloromethane	7.19	49	247526	20.200	ug/l #	71
29) Tetrahydrofuran	7.22	42	362502	92.296	ug/l #	88
30) Chloroform	7.37	83	563591	18.888	ug/l	99
31) Cyclohexane	7.65	56	491898	20.037	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	514068	19.034	ug/l	97
36) 1,1-Dichloropropene	7.79	75	416379	18.588	ug/l	97
37) Ethyl Acetate	6.94	43	253772	17.470	ug/l	97
38) Carbon Tetrachloride	7.77	117	457869	18.438	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	515675	18.698	ug/l	93
40) Benzene	8.04	78	1242208	19.298	ug/l	99
41) Methacrylonitrile	7.18	41	138970	18.375	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	425828	19.188	ug/l	99
43) Isopropyl Acetate	8.17	43	446925	18.508	ug/l #	88
44) Trichloroethene	8.84	130	377154	18.986	ug/l	98
45) 1,2-Dichloropropane	9.12	63	313591	19.065	ug/l	99
46) Dibromomethane	9.21	93	210276	18.844	ug/l	92
47) Bromodichloromethane	9.40	83	438084	18.939	ug/l	99
48) Methyl methacrylate	9.20	41	230000	17.717	ug/l	97
49) 1,4-Dioxane	9.21	88	58634	348.128	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	1166592	90.072	ug/l	97
52) Toluene	10.16	92	783195	19.003	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	438725	18.627	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	499150	18.871	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	294974	18.984	ug/l	99
56) Ethyl methacrylate	10.43	69	343941	18.085	ug/l	94
57) 1,3-Dichloropropane	10.71	76	477309	18.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	627724	89.396	ug/l #	90
59) 2-Hexanone	10.75	43	754628	87.794	ug/l	98
60) Dibromochloromethane	10.90	129	336103	18.674	ug/l	100
61) 1,2-Dibromoethane	11.01	107	294205	18.842	ug/l	98
64) Tetrachloroethene	10.63	164	391522	18.958	ug/l	97
65) Chlorobenzene	11.43	112	905001	19.043	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	343194	19.196	ug/l	99
67) Ethyl Benzene	11.51	91	1489102	18.850	ug/l	99
68) m/p-Xylenes	11.62	106	1154075	37.358	ug/l	99
69) o-Xylene	11.95	106	572577	18.882	ug/l	98
70) Styrene	11.96	104	897792	19.113	ug/l	99
71) Bromoform	12.13	173	227641	18.373	ug/l #	98
73) Isopropylbenzene	12.25	105	1545799	19.317	ug/l	99
74) N-amyl acetate	12.07	43	322998	17.721	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	325637	18.805	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	419798	29.547	ug/l #	100
77) Bromobenzene	12.53	156	393466	18.890	ug/l	90
78) n-propylbenzene	12.59	91	1656653	19.346	ug/l	95
79) 2-Chlorotoluene	12.67	91	992465	18.934	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1246510	18.791	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	83686	17.533	ug/l	97
82) 4-Chlorotoluene	12.77	91	984371	19.262	ug/l	97
83) tert-Butylbenzene	12.99	119	1166727	19.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1247874	19.211	ug/l	98
85) sec-Butylbenzene	13.17	105	1528399	19.254	ug/l	96
86) p-Isopropyltoluene	13.29	119	1319777	19.053	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	669433	19.233	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	650895	18.939	ug/l	99
89) n-Butylbenzene	13.62	91	1031132	19.410	ug/l	98
90) Hexachloroethane	13.88	117	230746	18.655	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	660214	19.319	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52989	17.772	ug/l	89

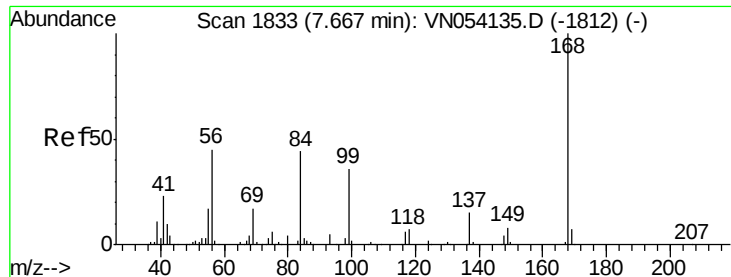
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	353778	19.957	ug/l	99
94) Hexachlorobutadiene	15.01	225	254837	18.855	ug/l	99
95) Naphthalene	15.13	128	708031	18.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	364487	20.293	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

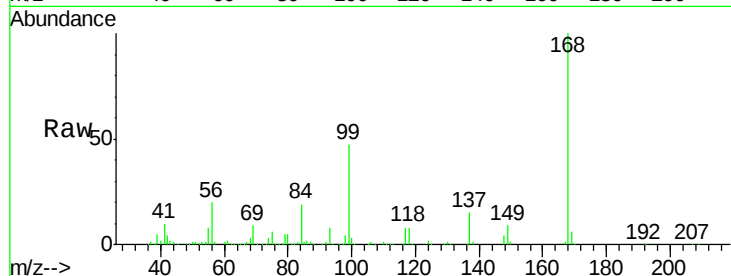
VSTDIC020

Tot Ion:168 Resp: 1713468

Ion Ratio Lower Upper

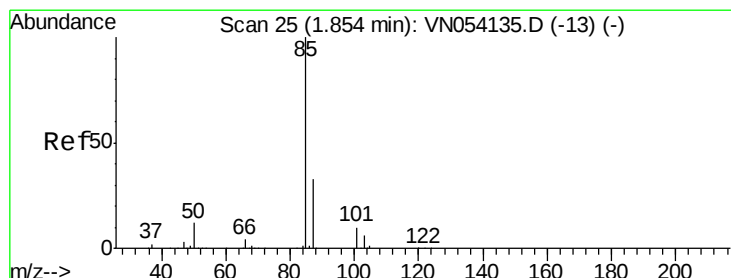
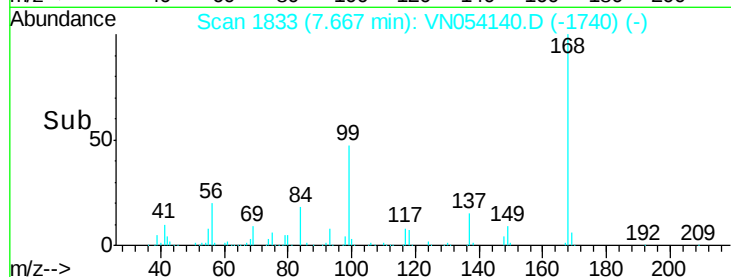
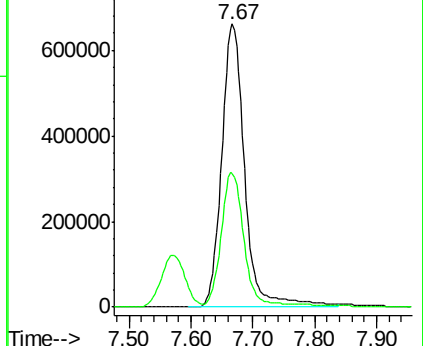
168 100

99 46.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.295 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054140.D

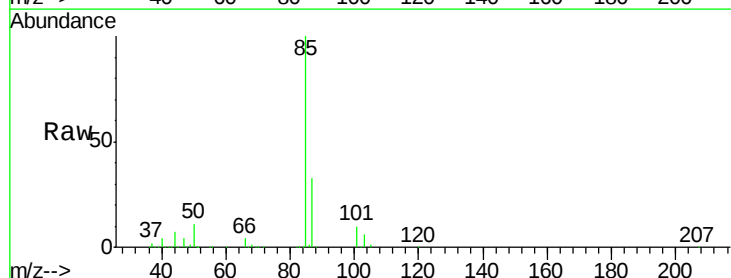
Acq: 11 Mar 2019 13:42

Tgt Ion: 85 Resp: 258323

Ion Ratio Lower Upper

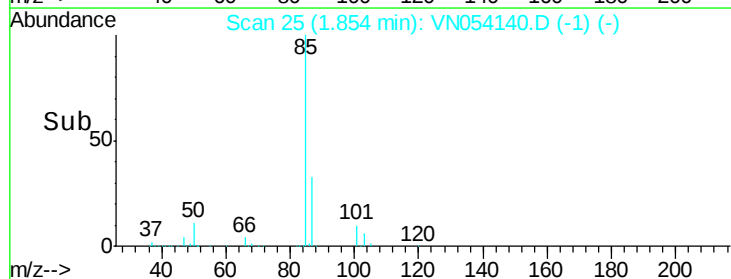
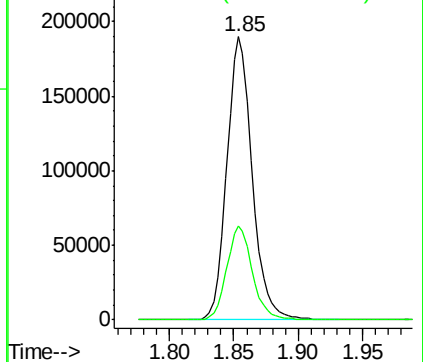
85 100

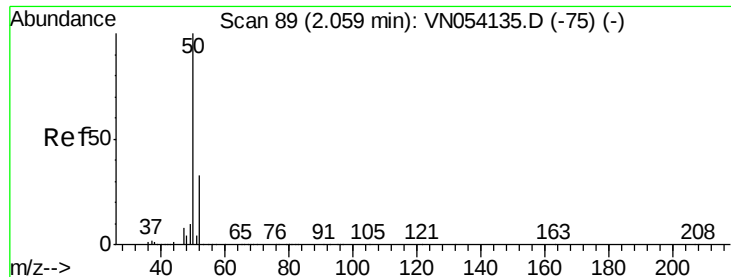
87 33.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.318 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

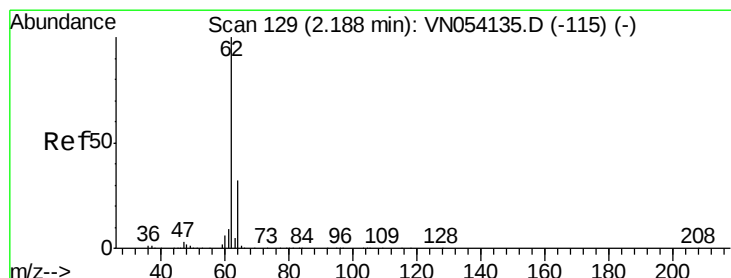
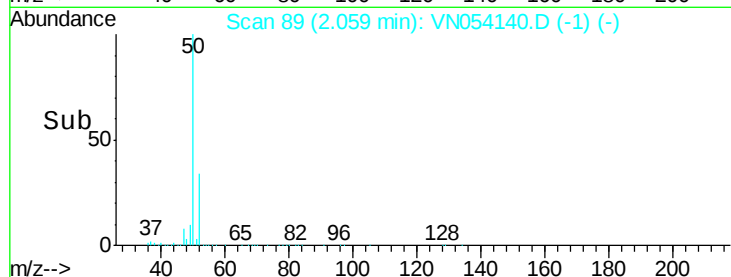
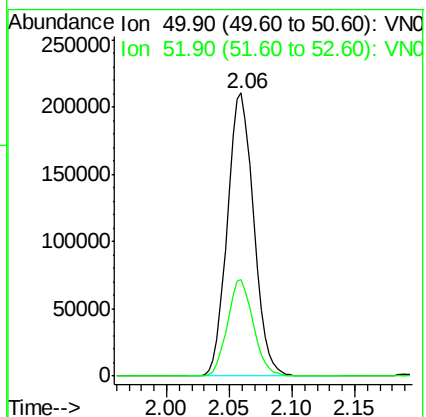
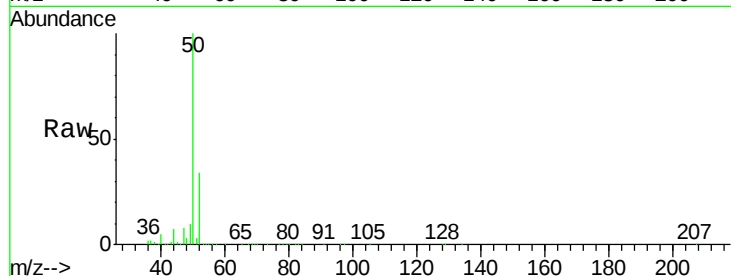
VSTDIC020

Tot Ion: 50 Resp: 307811

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0



#4

Vinyl Chloride

Concen: 18.821 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054140.D

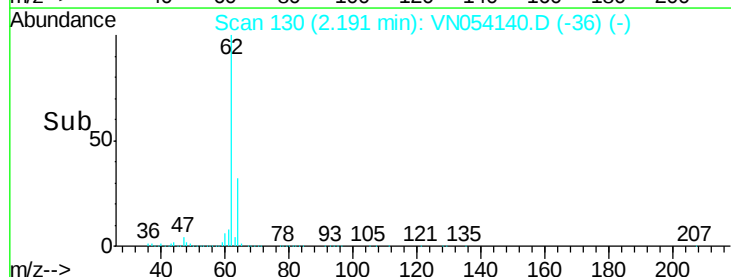
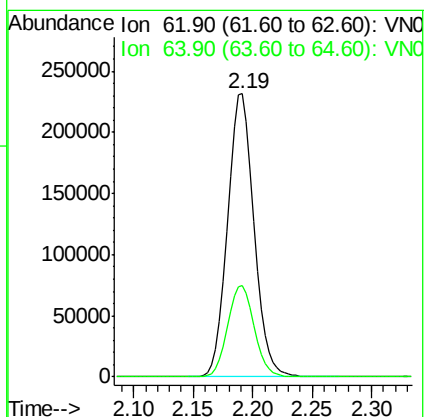
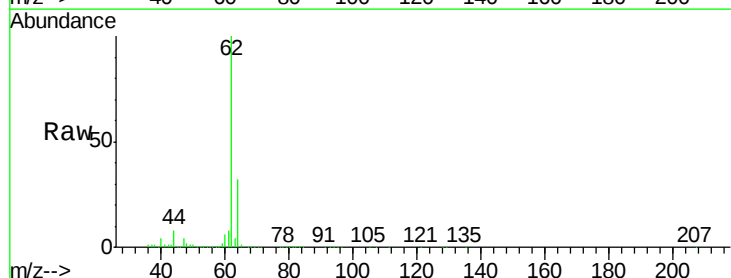
Acq: 11 Mar 2019 13:42

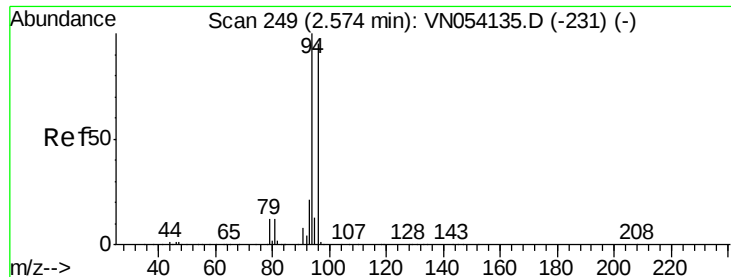
Tgt Ion: 62 Resp: 356444

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 20.078 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

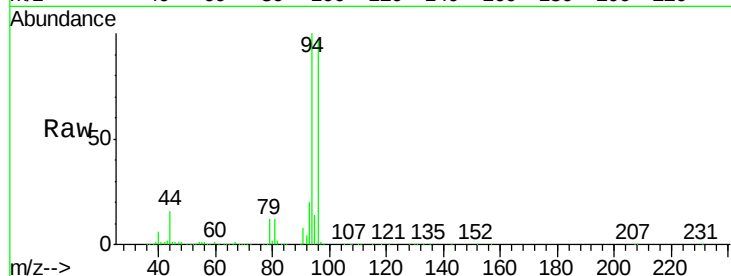
VSTDIC020

Tot Ion: 94 Resp: 260675

Ion Ratio Lower Upper

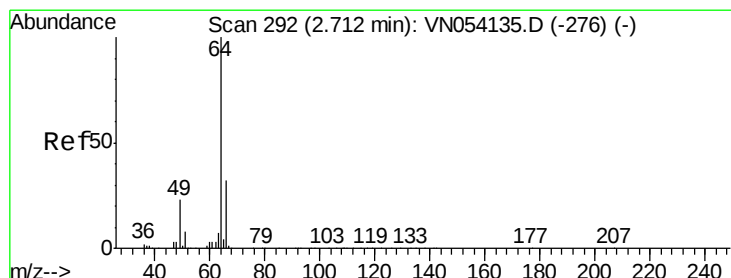
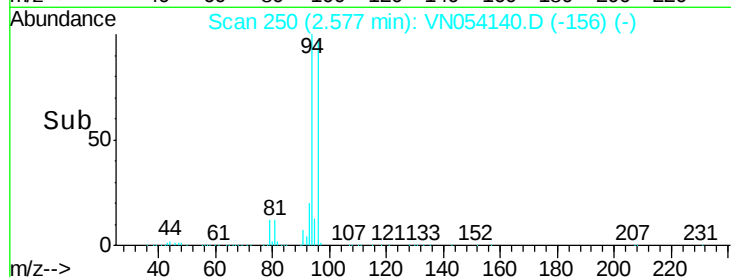
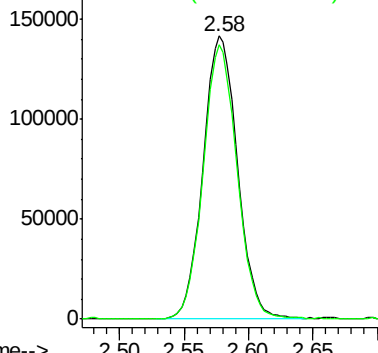
94 100

96 96.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.980 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN054140.D

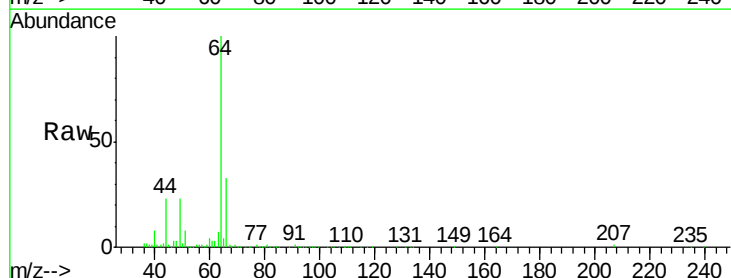
Acq: 11 Mar 2019 13:42

Tgt Ion: 64 Resp: 223498

Ion Ratio Lower Upper

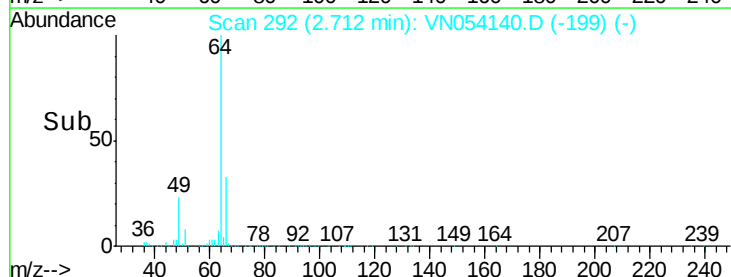
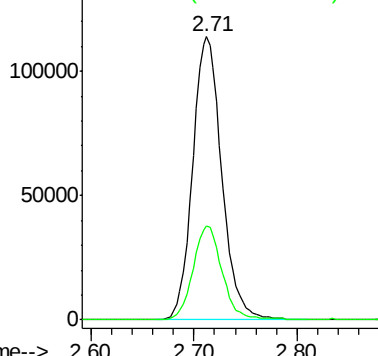
64 100

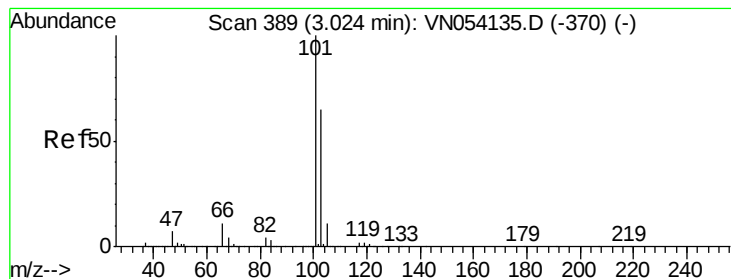
66 33.0 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



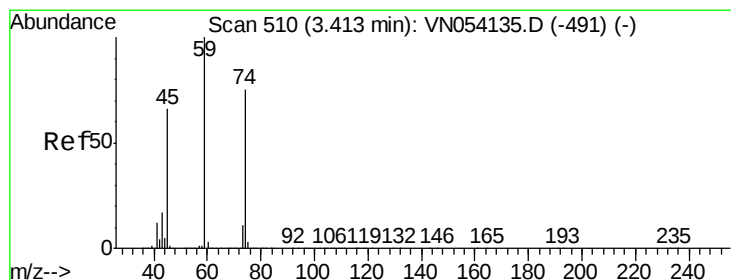
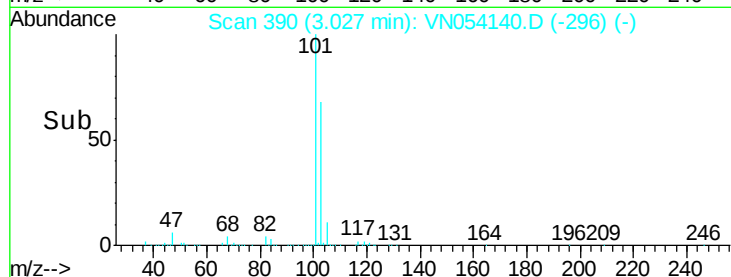
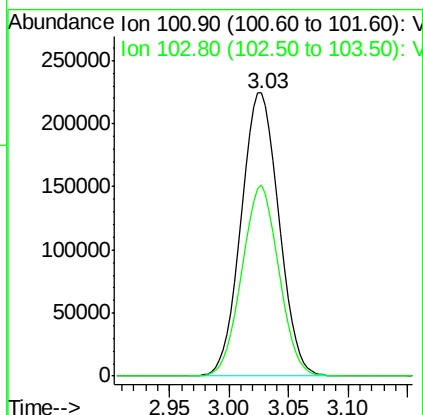
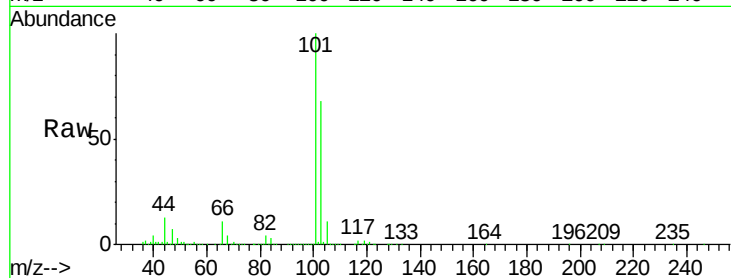


#7

Trichlorofluoromethane
Concen: 18.963 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Instrument :
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VSTDIC020

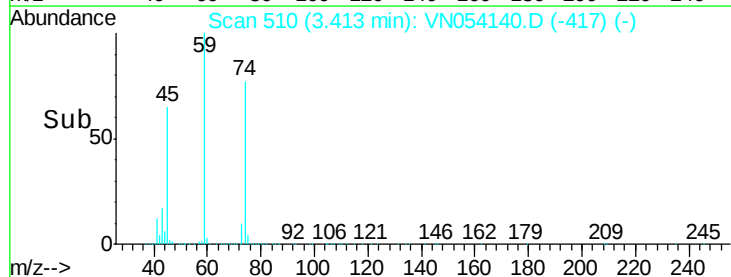
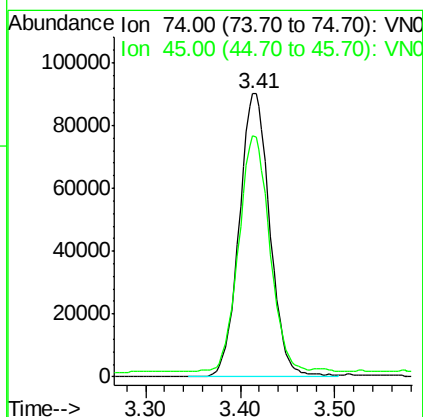
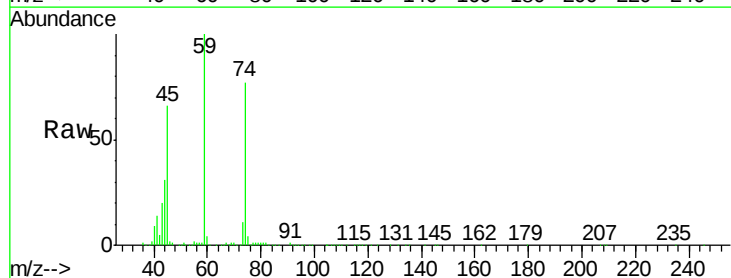
Tot Ion:101 Resp: 494892
Ion Ratio Lower Upper
101 100
103 67.5 52.0 78.0

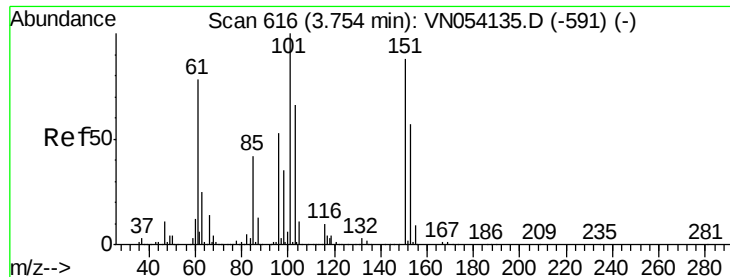


#8

Diethyl Ether
Concen: 19.346 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 74 Resp: 203187
Ion Ratio Lower Upper
74 100
45 83.6 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.150 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

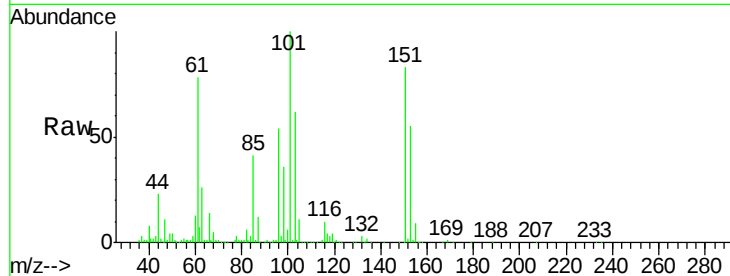
Tot Ion:101 Resp: 321824

Ion Ratio Lower Upper

101 100

85 40.4 33.1 49.7

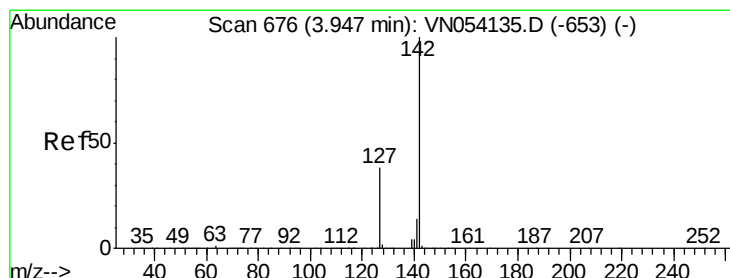
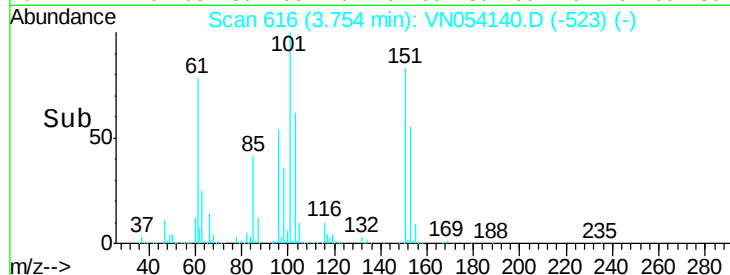
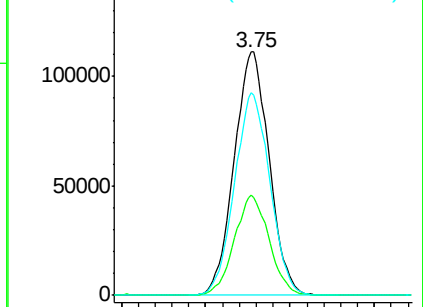
151 84.0 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.904 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

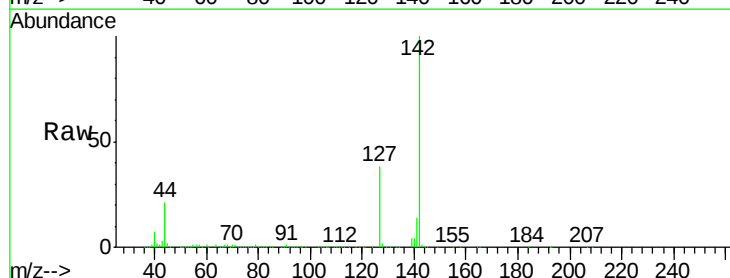
Tgt Ion:142 Resp: 363004

Ion Ratio Lower Upper

142 100

127 37.0 31.9 47.9

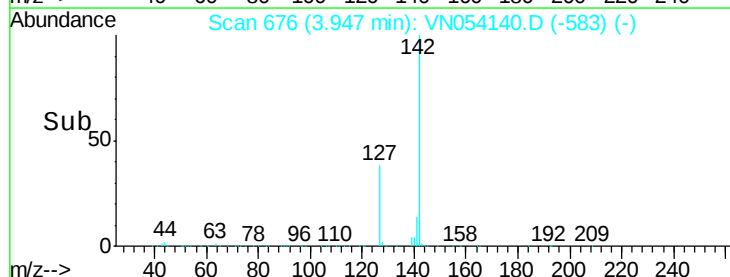
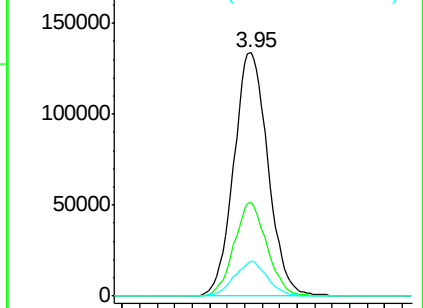
141 13.9 11.4 17.0

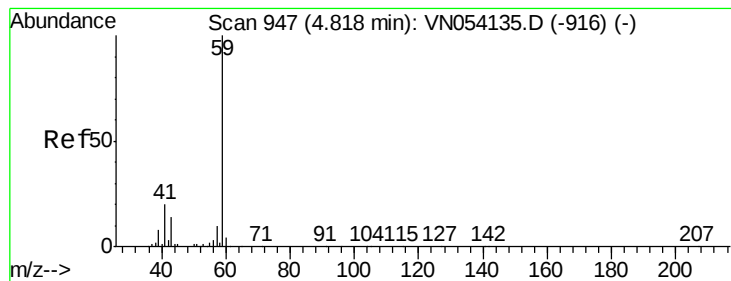


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.144 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.01 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

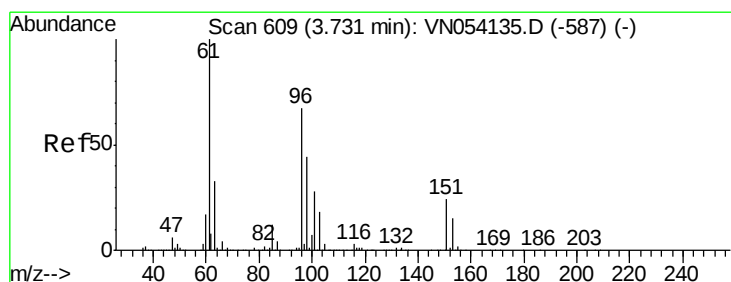
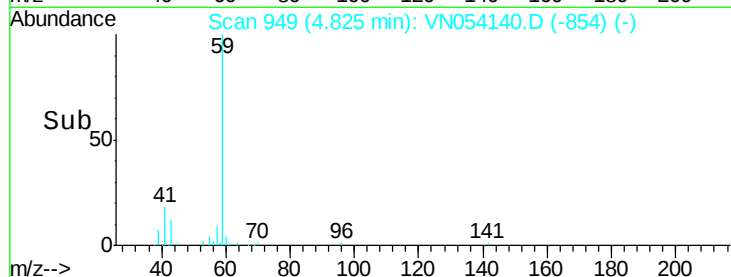
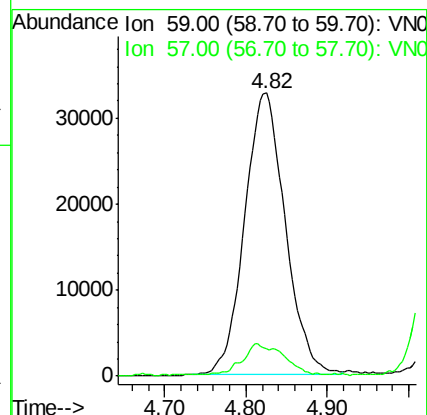
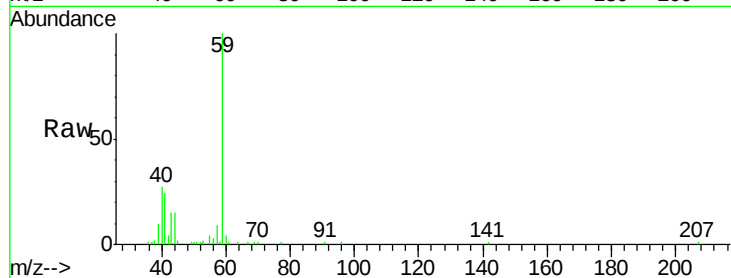
VSTDIC020

Tot Ion: 59 Resp: 112777

Ion Ratio Lower Upper

59 100

57 6.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 19.087 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

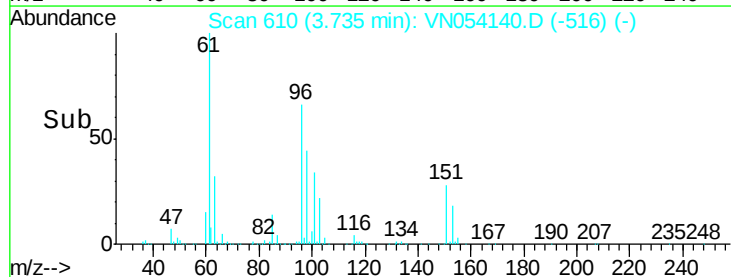
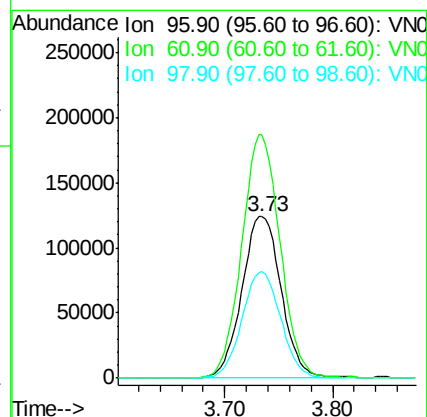
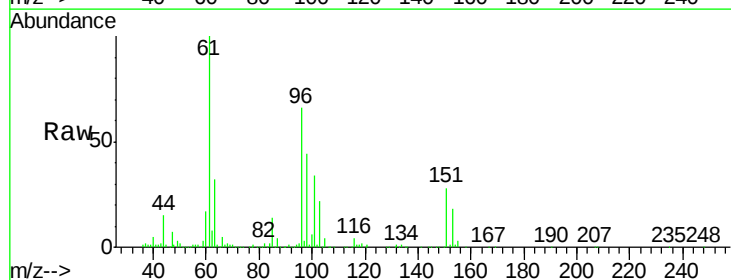
Tgt Ion: 96 Resp: 309901

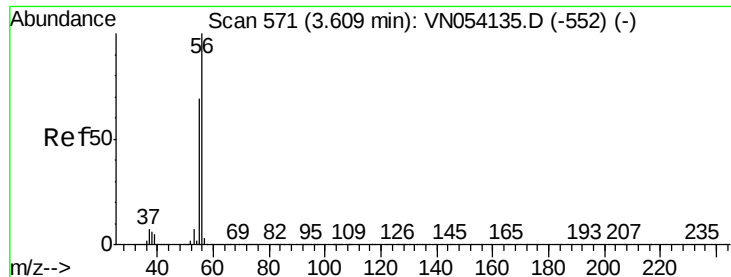
Ion Ratio Lower Upper

96 100

61 151.4 131.2 196.8

98 66.5 50.7 76.1





#13

Acrolein

Concen: 88.695 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

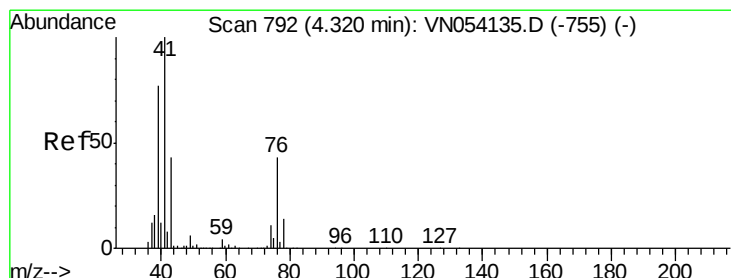
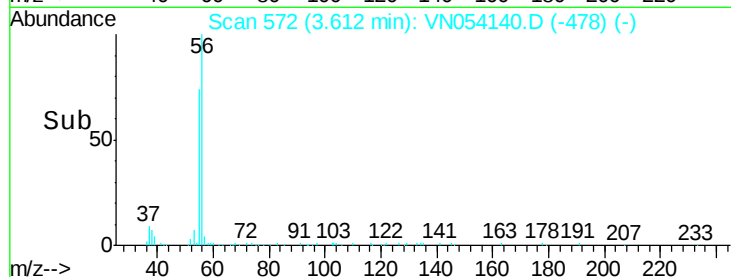
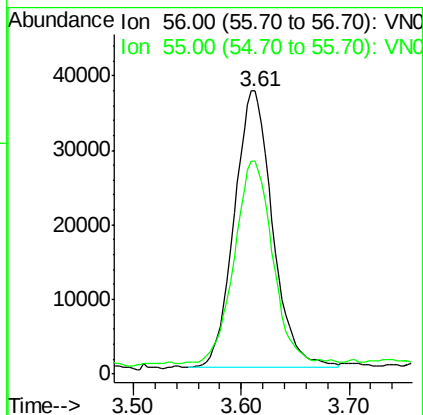
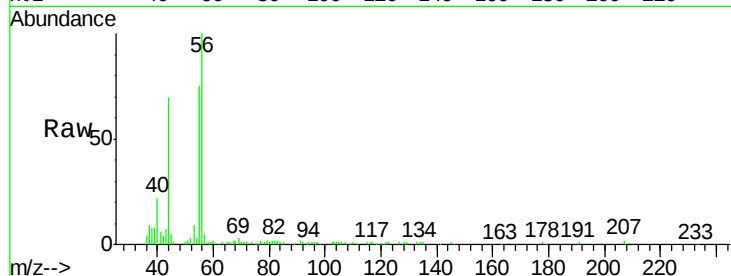
VSTDIC020

Tot Ion: 56 Resp: 91030

Ion Ratio Lower Upper

56 100

55 72.2 57.1 85.7



#14

Allyl chloride

Concen: 17.898 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

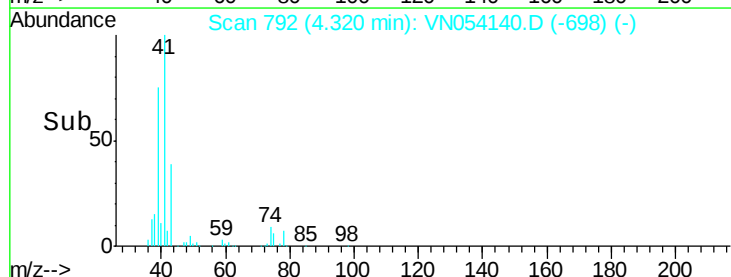
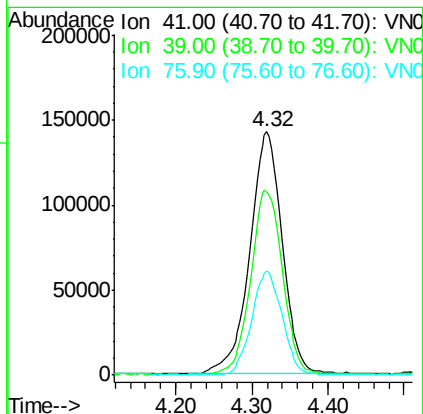
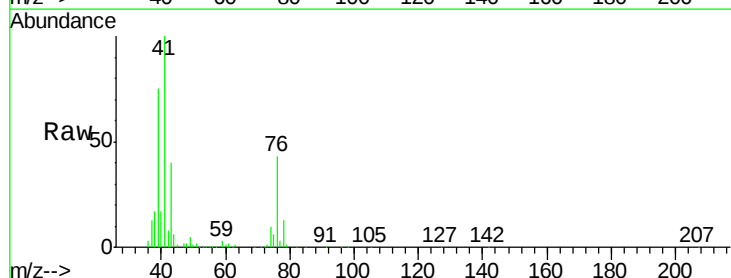
Tgt Ion: 41 Resp: 421212

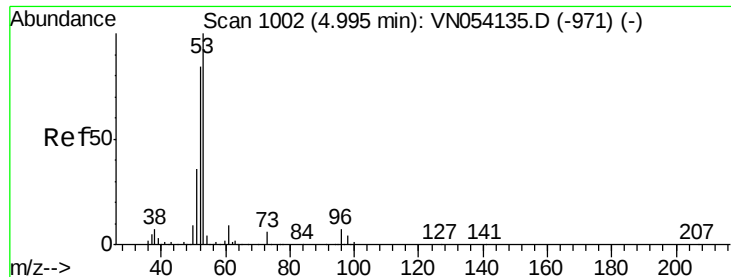
Ion Ratio Lower Upper

41 100

39 74.2 49.3 73.9#

76 40.0 26.5 39.7#





#15

Acrylonitrile

Concen: 95.319 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

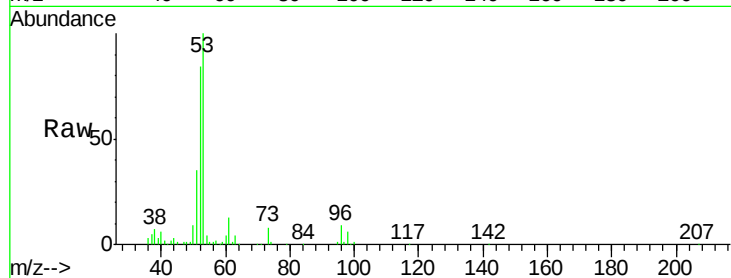
Tot Ion: 53 Resp: 487230

Ion Ratio Lower Upper

53 100

52 83.0 64.6 97.0

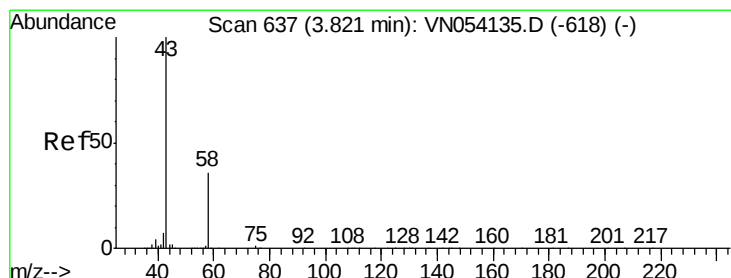
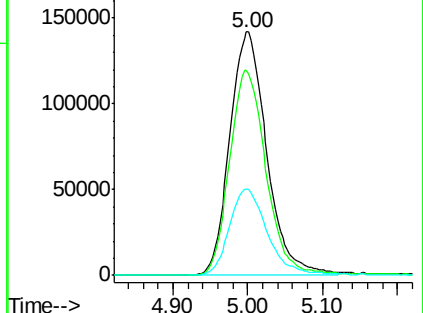
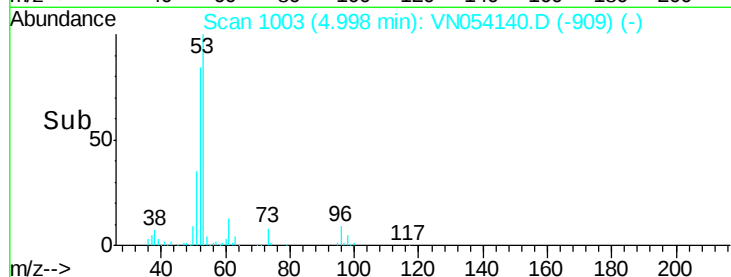
51 36.3 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN054140.D (-971) (-)

Ion 52.00 (51.70 to 52.70): VN054140.D (-971) (-)

Ion 51.00 (50.70 to 51.70): VN054140.D (-971) (-)



#16

Acetone

Concen: 91.061 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054140.D

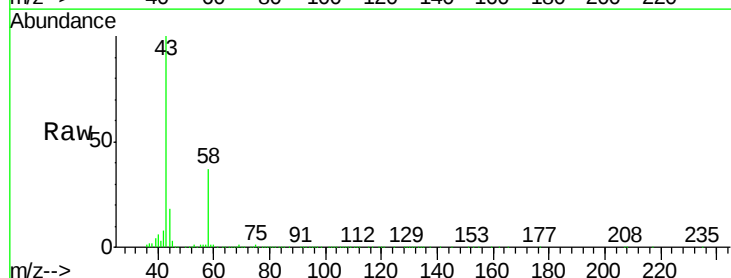
Acq: 11 Mar 2019 13:42

Tgt Ion: 43 Resp: 468869

Ion Ratio Lower Upper

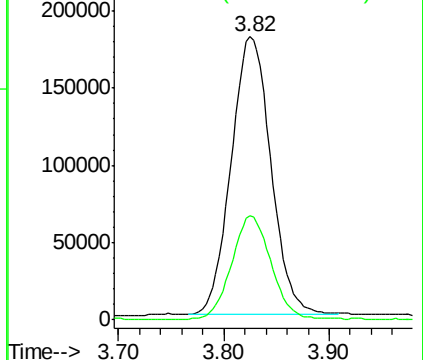
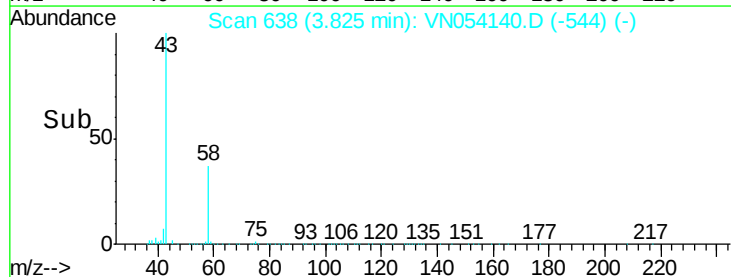
43 100

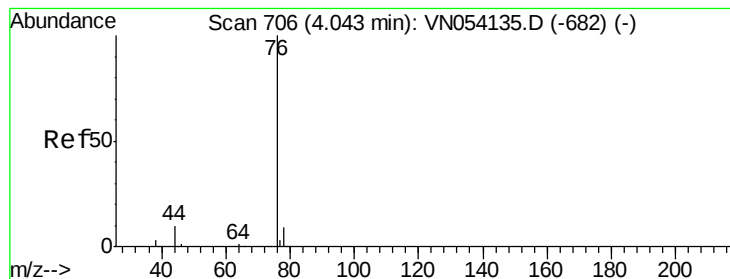
58 37.4 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN054140.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054140.D (-544) (-)





#17

Carbon Disulfide

Concen: 18.447 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

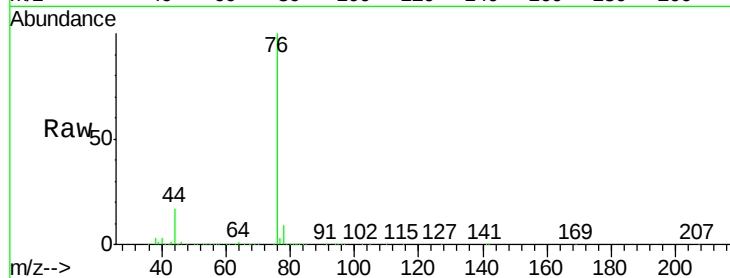
VSTDIC020

Tot Ion: 76 Resp: 773033

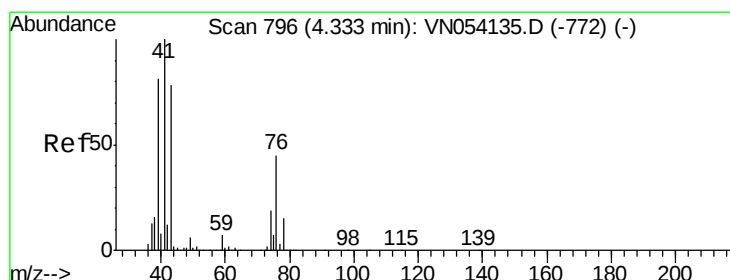
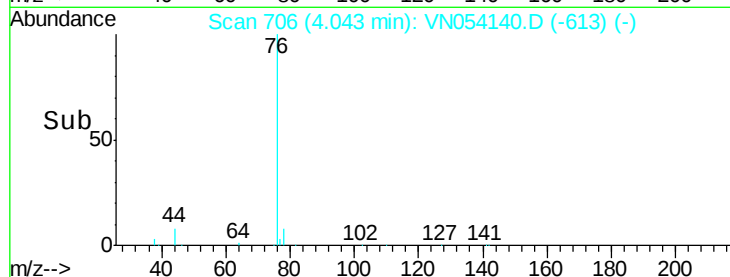
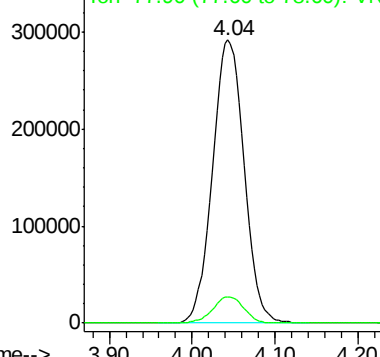
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.325 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054140.D

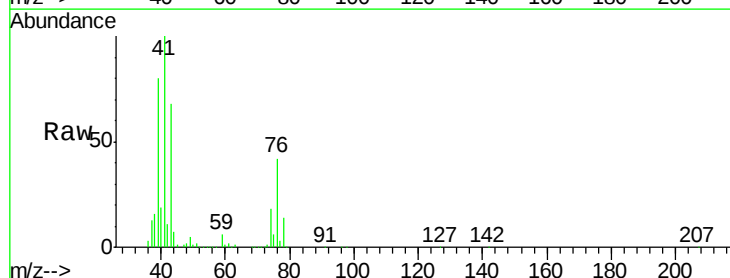
Acq: 11 Mar 2019 13:42

Tgt Ion: 43 Resp: 215845

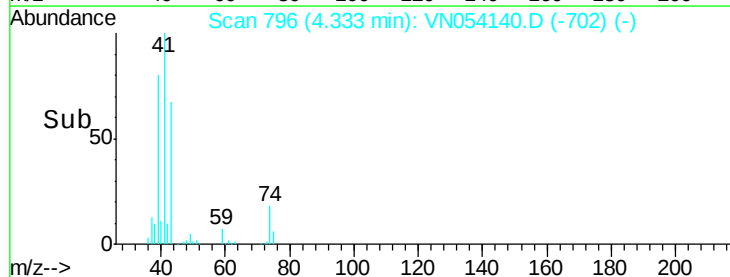
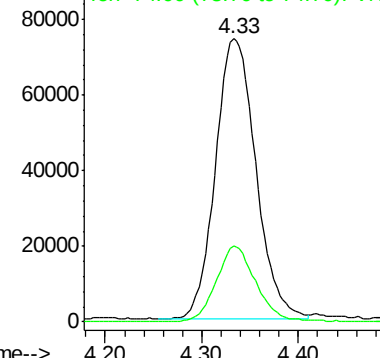
Ion Ratio Lower Upper

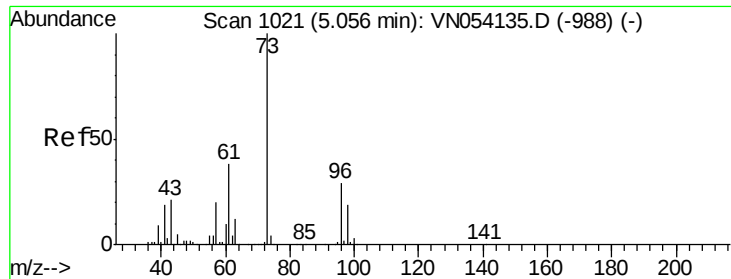
43 100

74 26.3 18.2 27.2



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

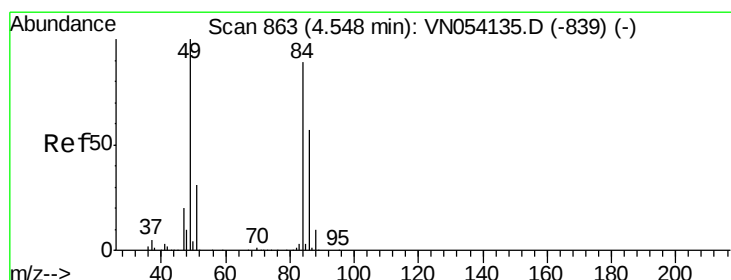
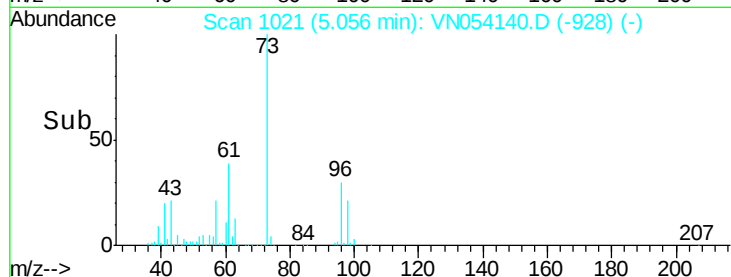
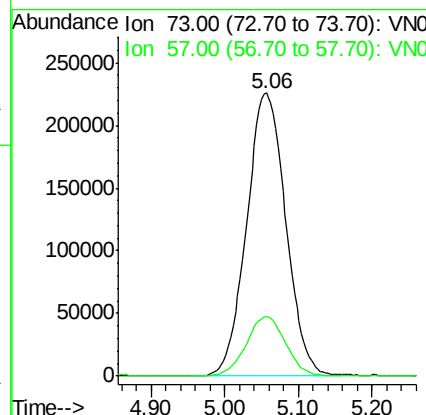
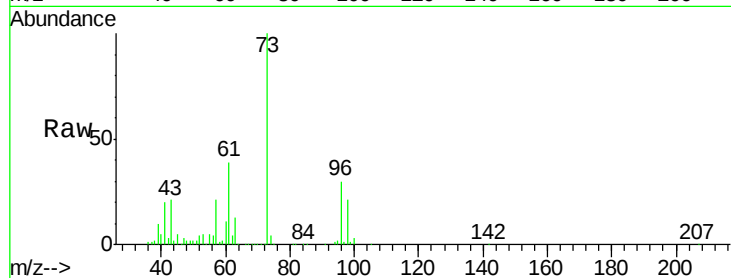




#19
Methvl tert-butvl Ether
Concen: 18.938 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

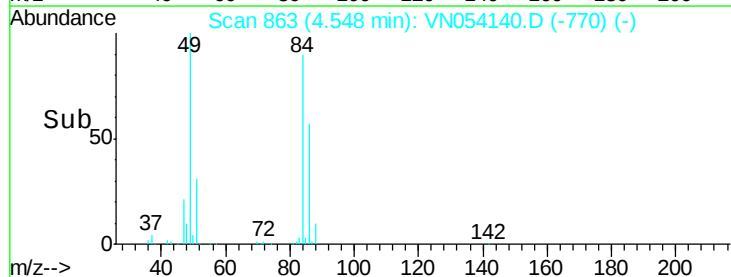
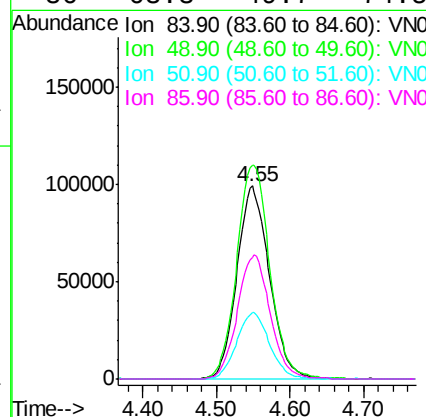
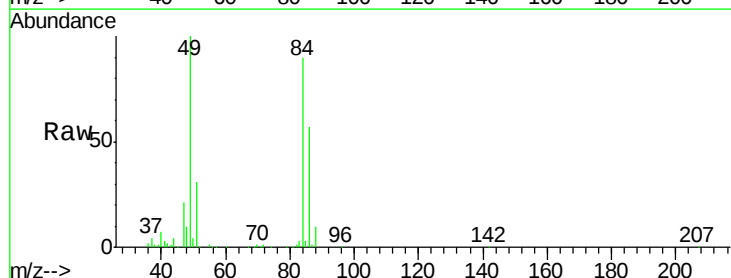
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

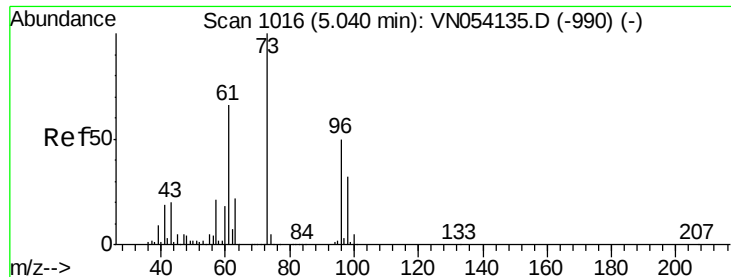
Tot Ion: 73 Resp: 835967
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.4



#20
Methylene Chloride
Concen: 18.533 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 84 Resp: 305430
Ion Ratio Lower Upper
84 100
49 110.7 101.8 152.8
51 34.3 31.1 46.7
86 63.3 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 19.155 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

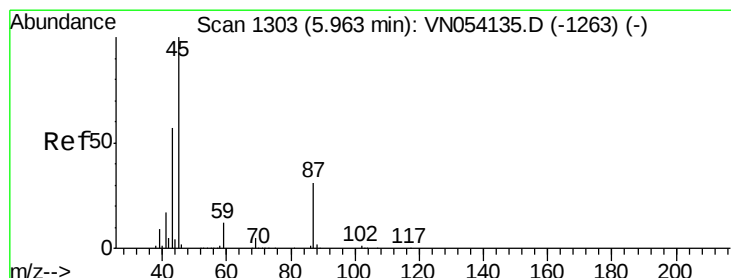
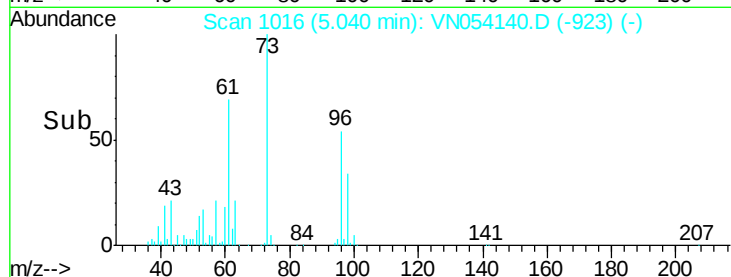
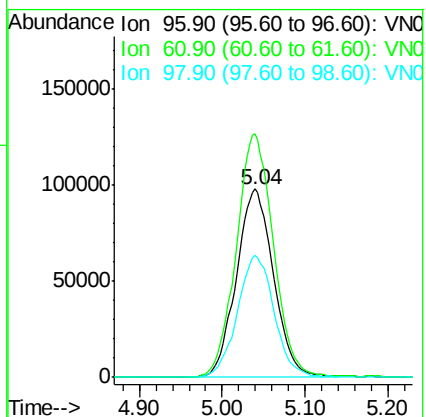
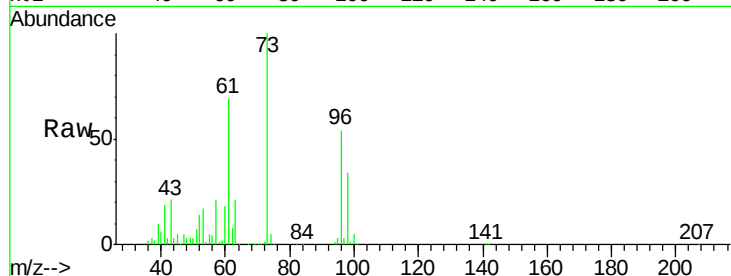
Tot Ion: 96 Resp: 305422

Ion Ratio Lower Upper

96 100

61 129.3 114.8 172.2

98 64.5 51.4 77.0



#22

Diisopropyl ether

Concen: 19.246 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Tgt Ion: 45 Resp: 836516

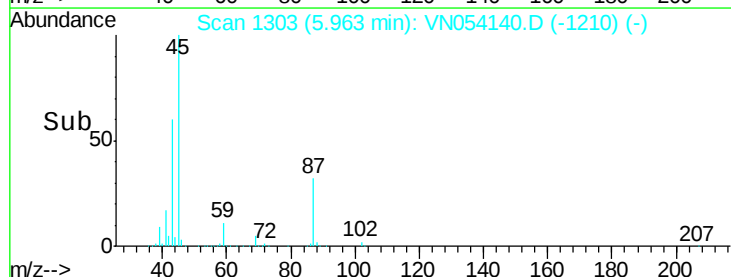
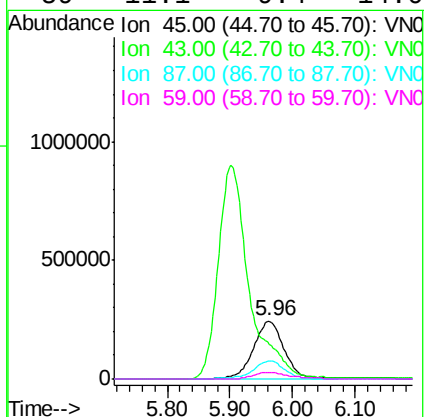
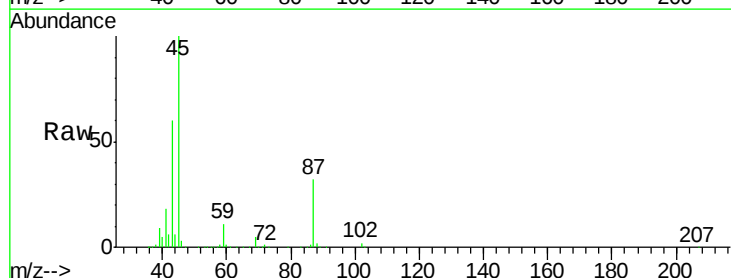
Ion Ratio Lower Upper

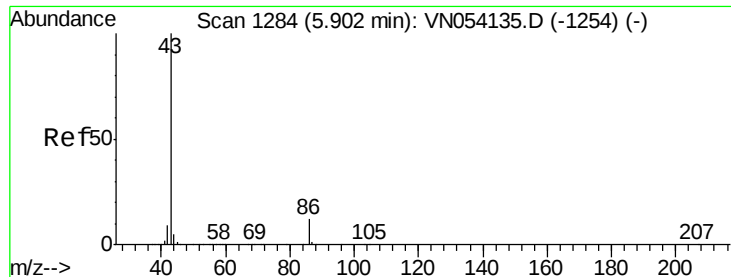
45 100

43 60.1 46.2 69.4

87 31.1 20.6 31.0#

59 11.1 9.4 14.0





#23

Vinyl Acetate

Concen: 93.806 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

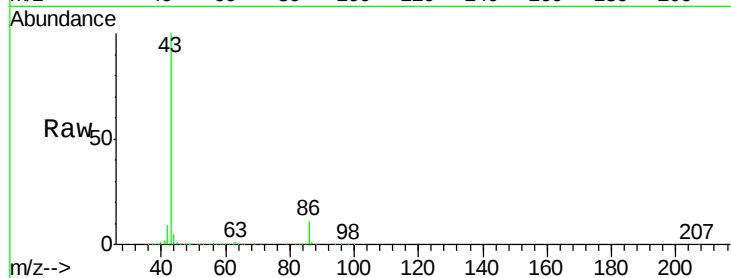
VSTDIC020

Tot Ion: 43 Resp: 3078584

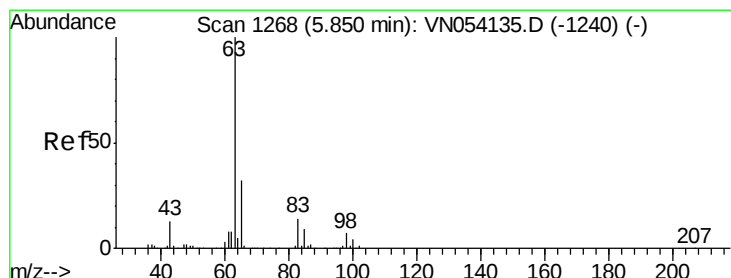
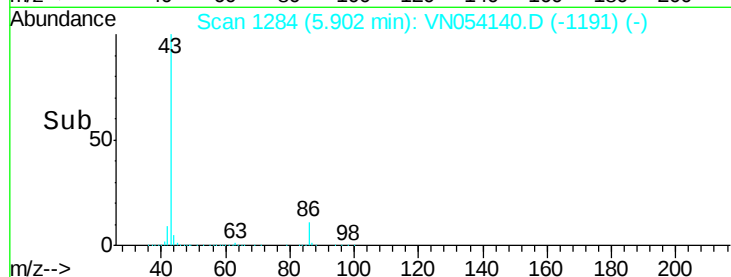
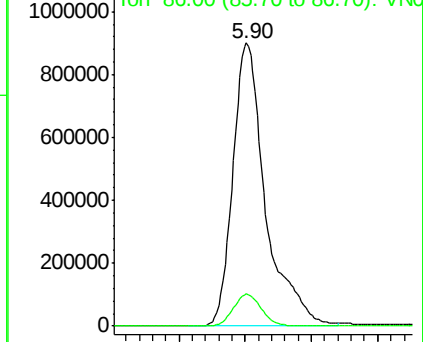
Ion Ratio Lower Upper

43 100

86 11.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN054140.D (-1191) (-)



#24

1,1-Dichloroethane

Concen: 19.051 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

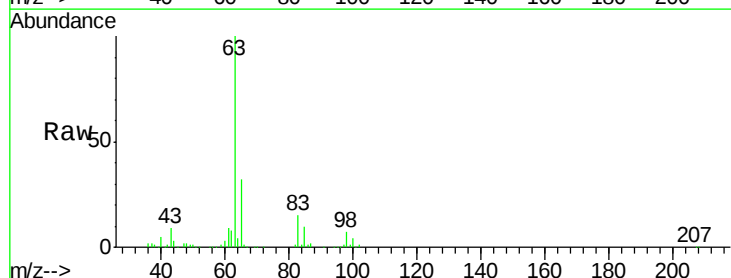
Tgt Ion: 63 Resp: 536811

Ion Ratio Lower Upper

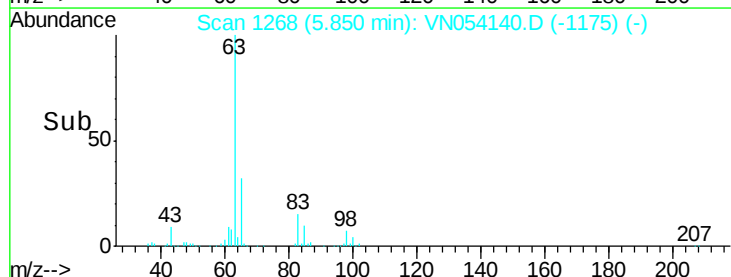
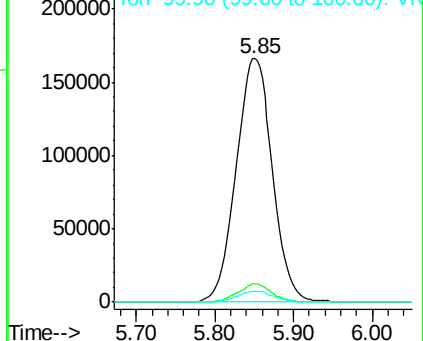
63 100

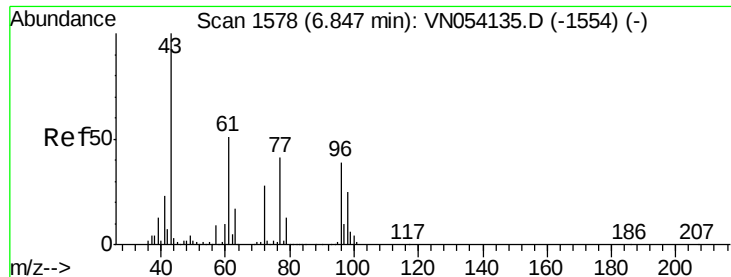
98 7.5 3.1 9.4

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054140.D (-1175) (-)





#25

2-Butanone

Concen: 93.683 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

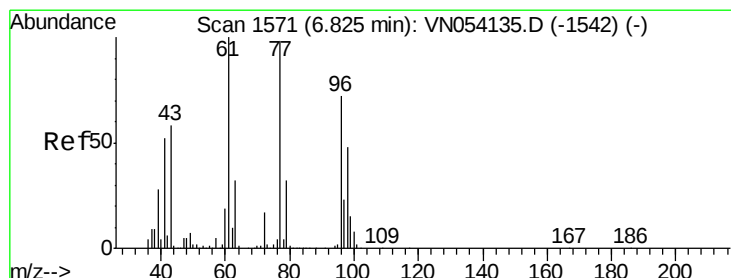
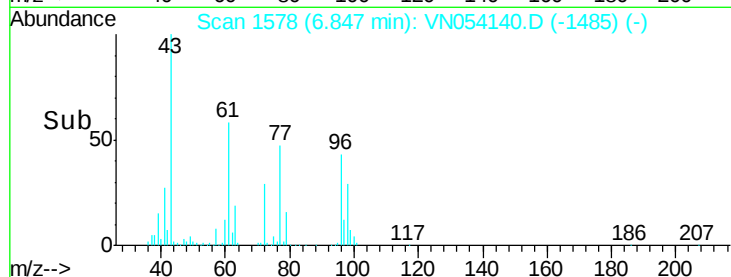
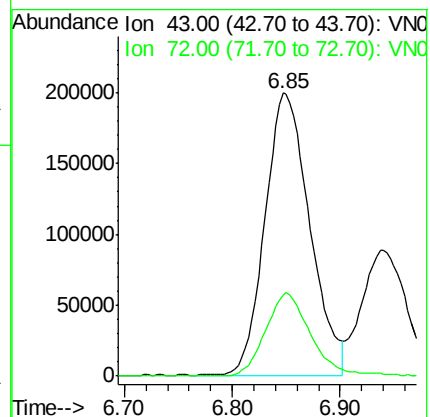
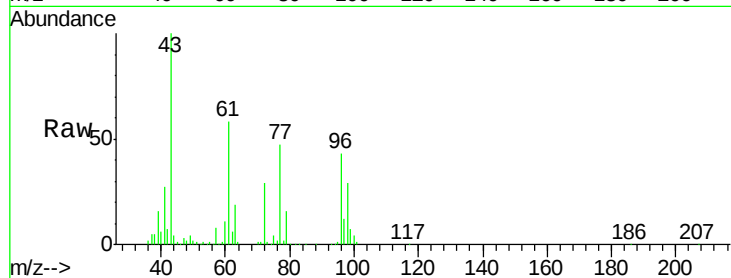
VSTDIC020

Tot Ion: 43 Resp: 572680

Ion Ratio Lower Upper

43 100

72 28.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.986 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054140.D

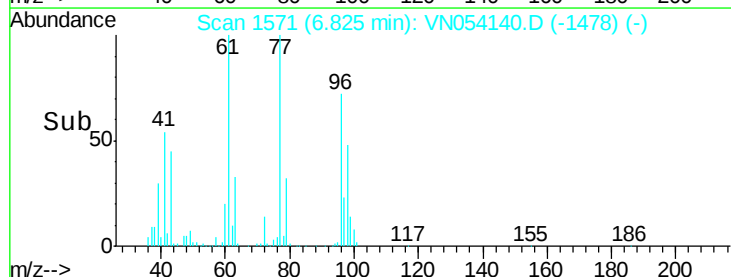
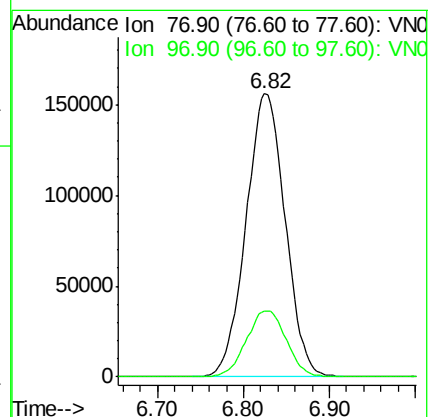
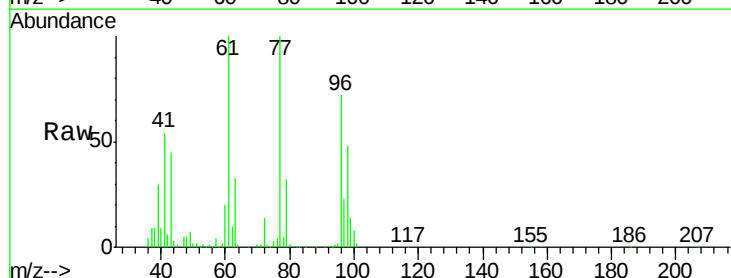
Acq: 11 Mar 2019 13:42

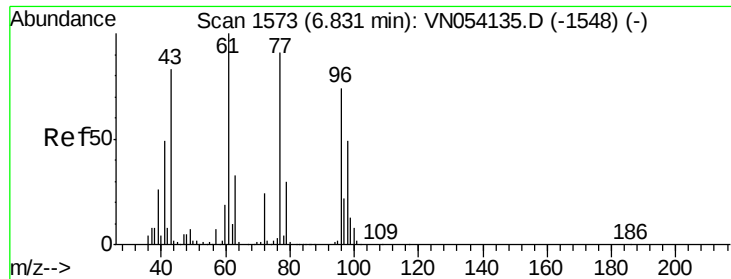
Tgt Ion: 77 Resp: 494038

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.444 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

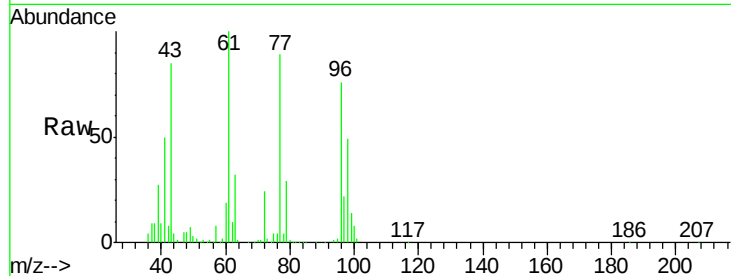
Tot Ion: 96 Resp: 354630

Ion Ratio Lower Upper

96 100

61 136.2 0.0 297.0

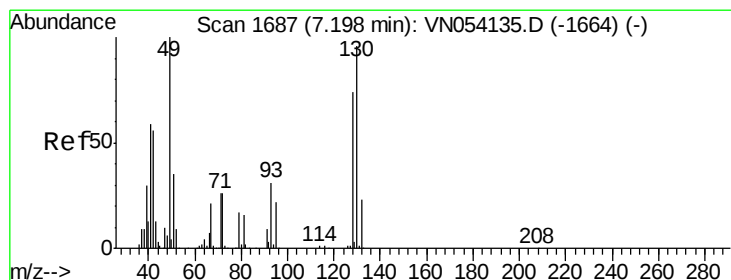
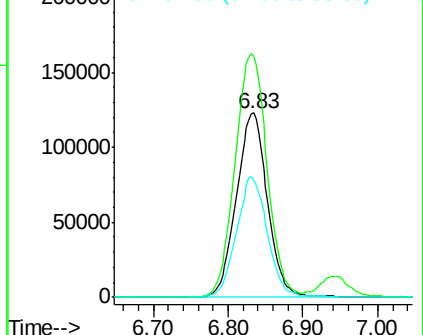
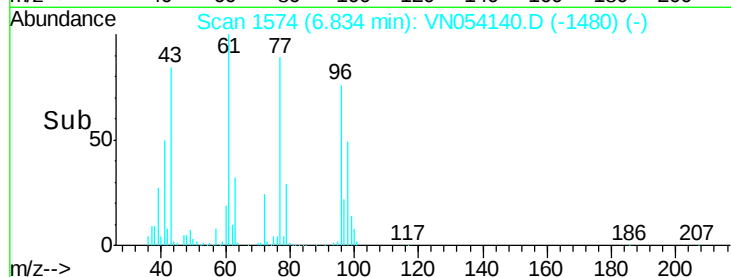
98 65.4 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.200 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

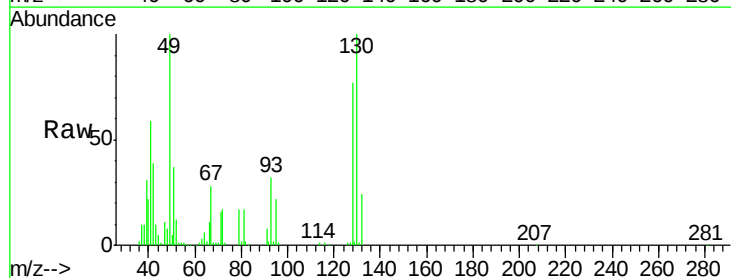
Tgt Ion: 49 Resp: 247526

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.8

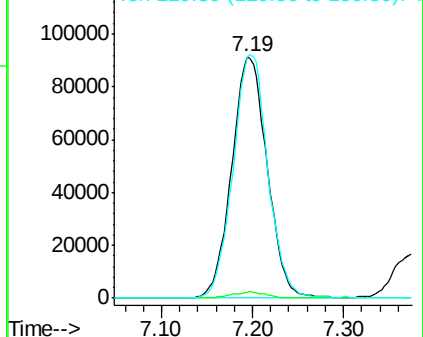
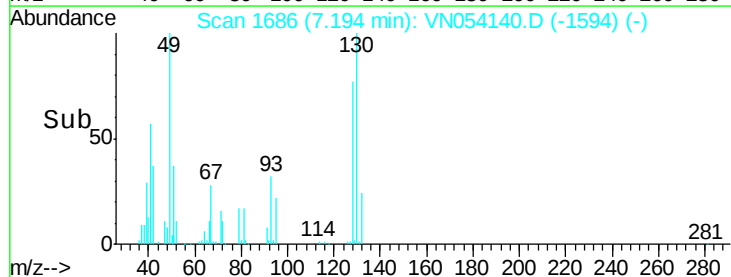
130 99.1 59.4 89.2#

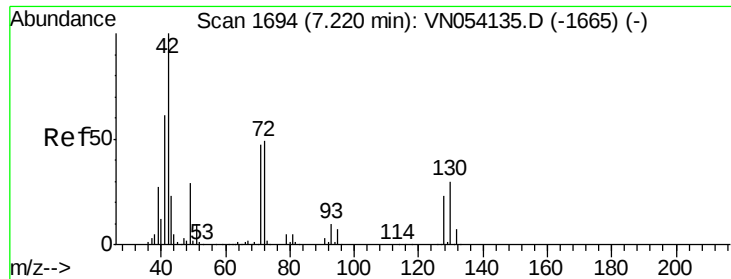


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

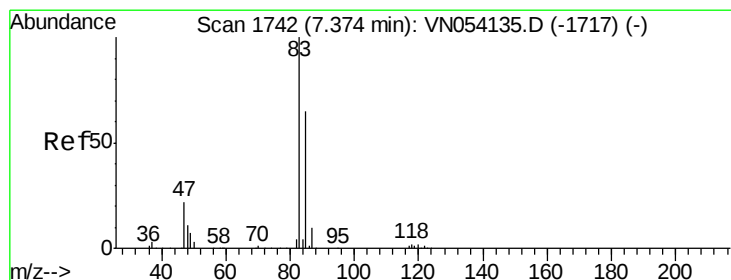
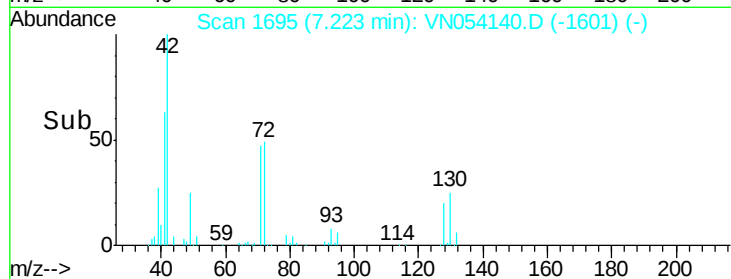
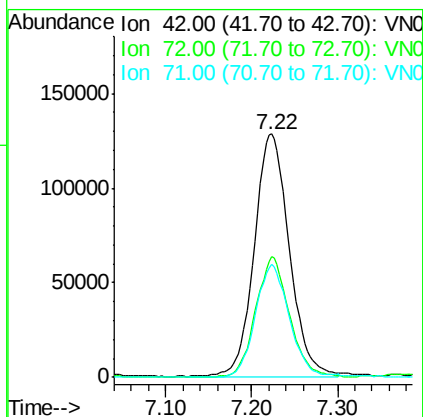
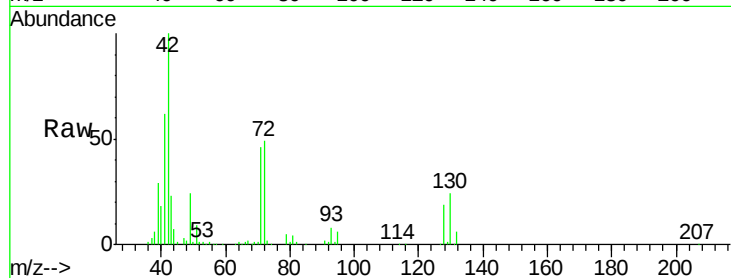




#29
Tetrahydrofuran
Concen: 92.296 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

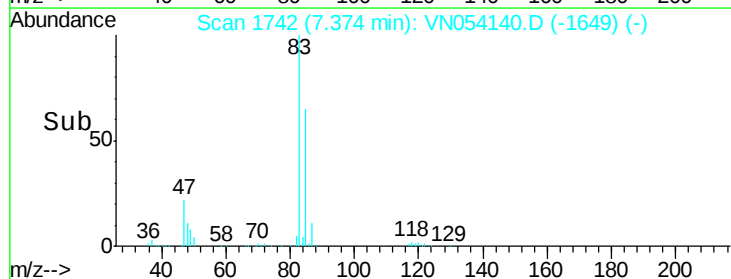
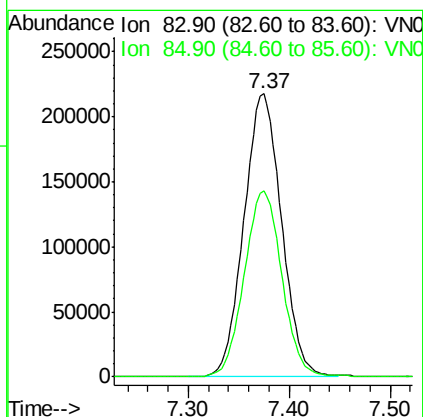
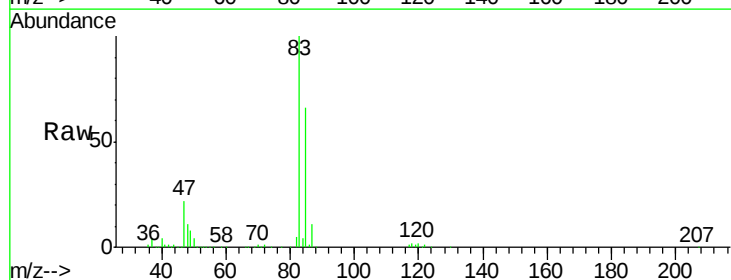
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

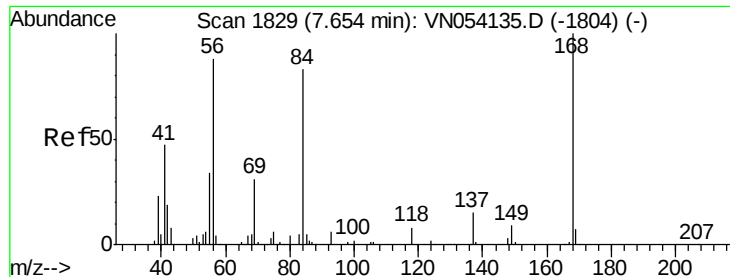
Tot Ion: 42 Resp: 362502
Ion Ratio Lower Upper
42 100
72 48.4 32.8 49.2
71 45.8 30.5 45.7#



#30
Chloroform
Concen: 18.888 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 83 Resp: 563591
Ion Ratio Lower Upper
83 100
85 65.6 53.1 79.7





#31

Cyclohexane

Concen: 20.037 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

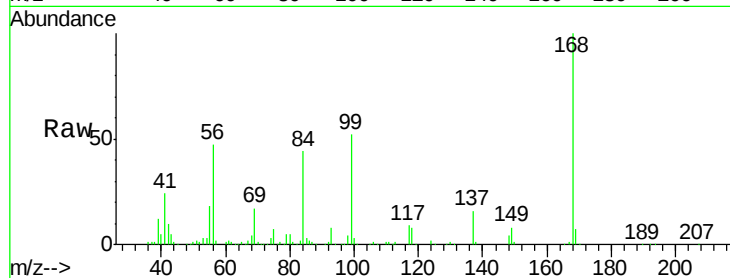
Tot Ion: 56 Resp: 491898

Ion Ratio Lower Upper

56 100

69 37.1 25.5 38.3

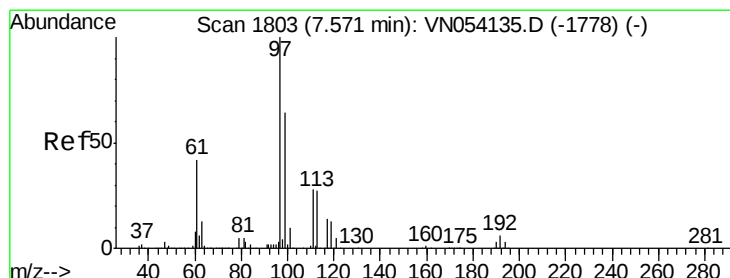
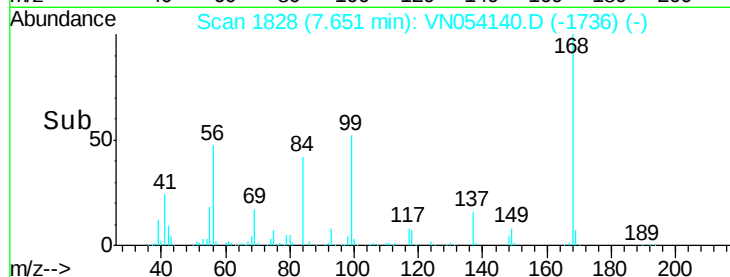
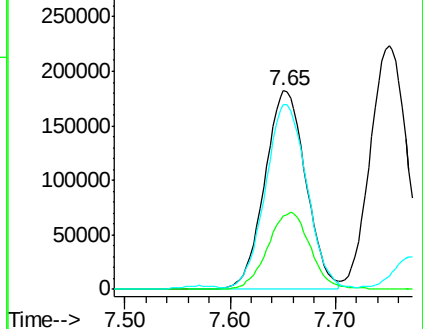
84 92.1 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VN054140.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN054140.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN054140.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.034 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

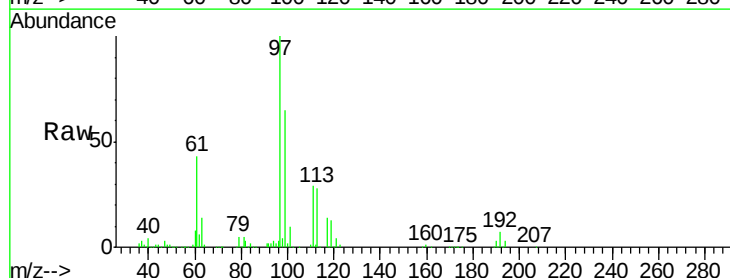
Tgt Ion: 97 Resp: 514068

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

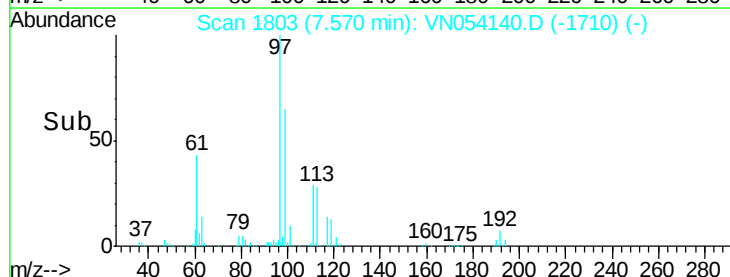
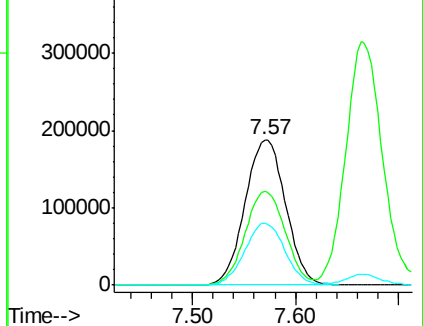
61 42.1 37.1 55.7

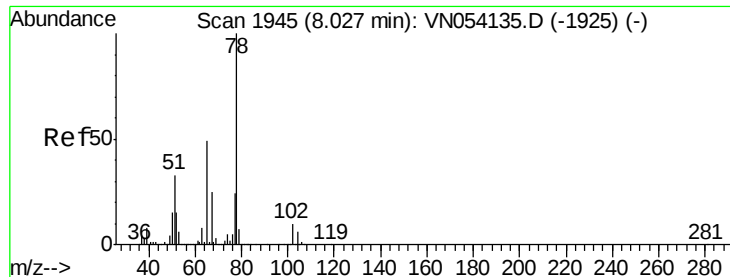


Abundance Ion 96.90 (96.60 to 97.60): VN054140.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN054140.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN054140.D (-1710) (-)

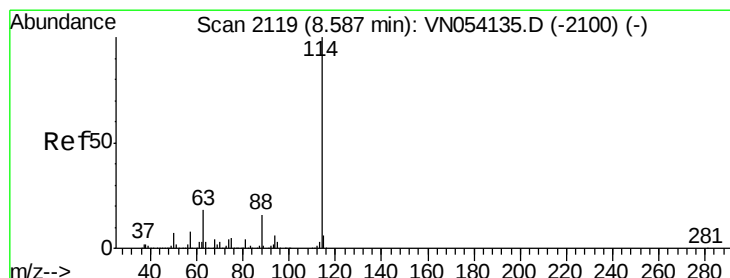
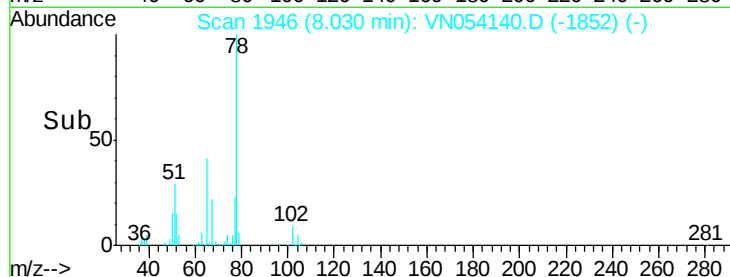
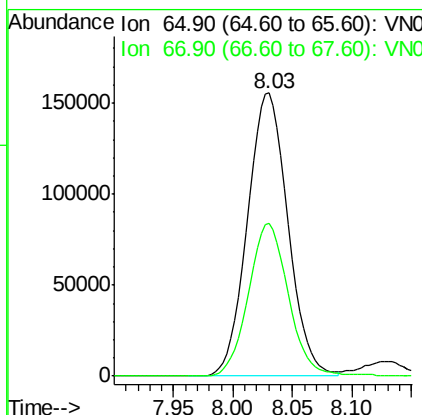
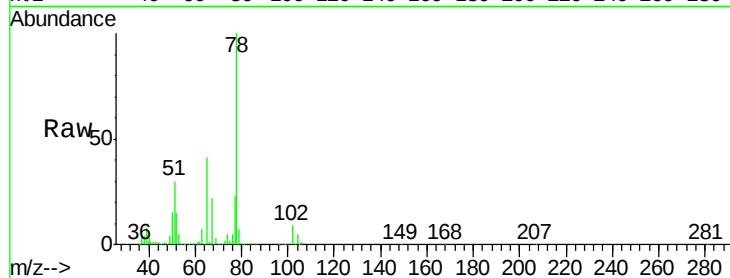




#33
 1,2-Dichloroethane-d4
 Concen: 20.009 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

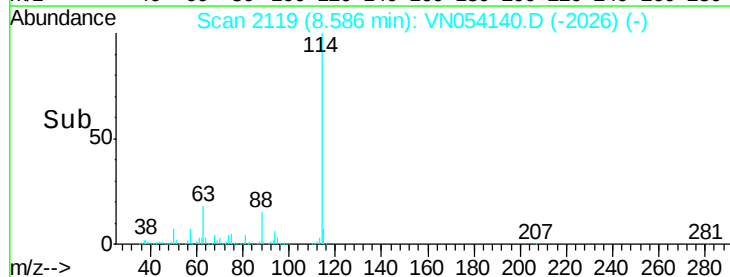
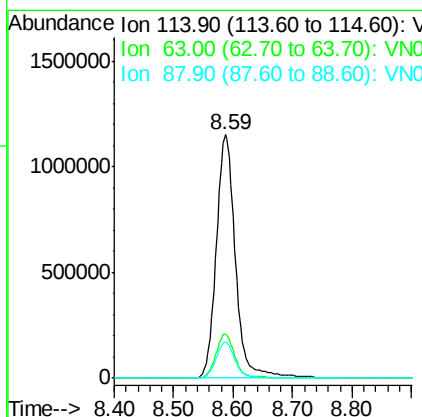
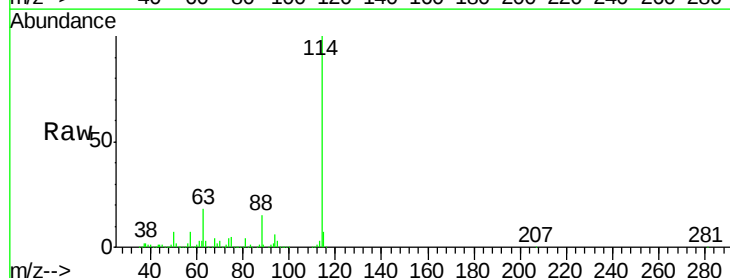
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

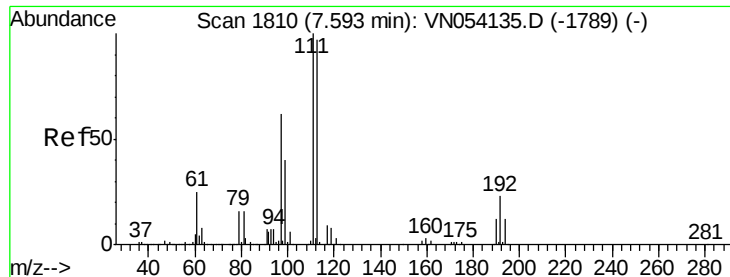
Tot Ion: 65 Resp: 366649
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion: 114 Resp: 2573856
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 42.6
 88 14.8 0.0 31.8

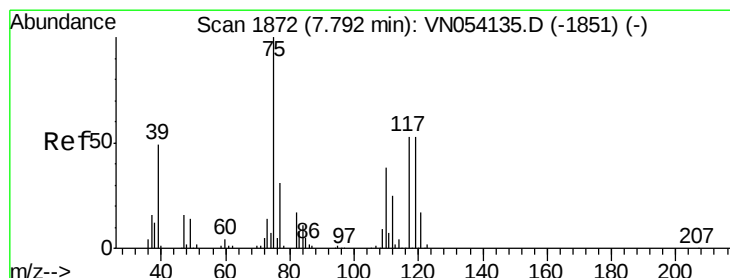
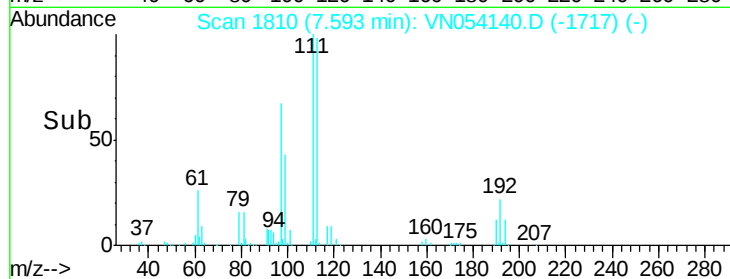
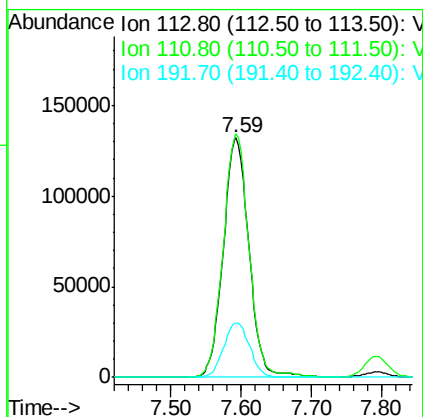
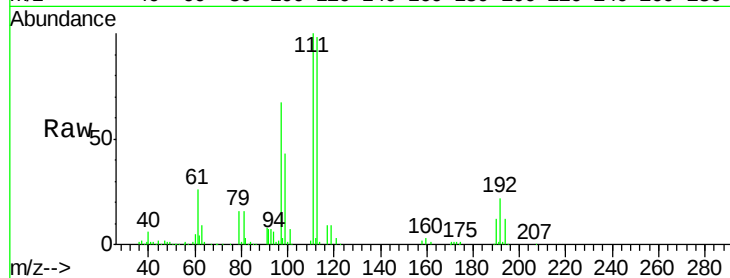




#35
 Dibromofluoromethane
 Concen: 20.281 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

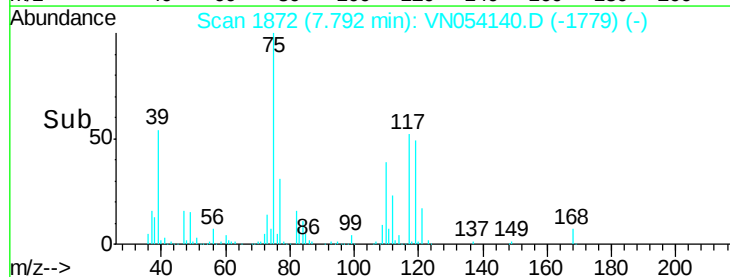
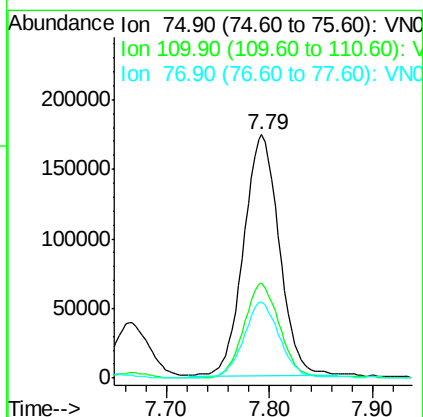
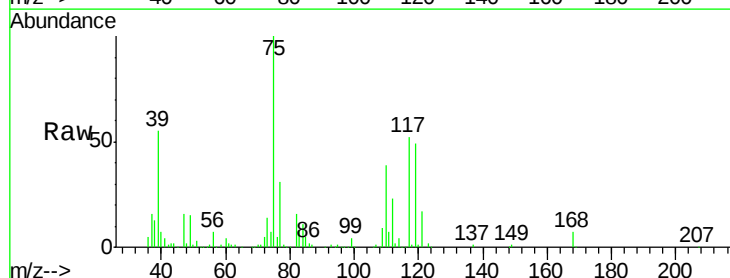
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

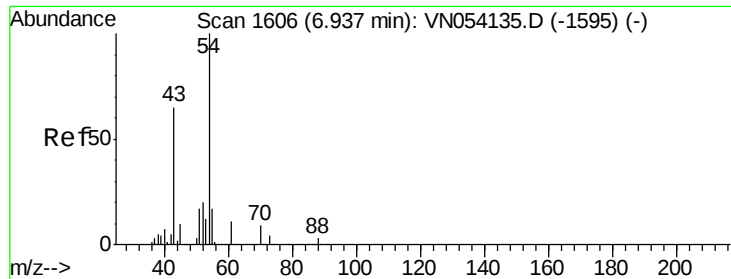
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.1	123.1
192	23.1	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 18.588 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	18.0	54.0
77	31.5	25.3	37.9

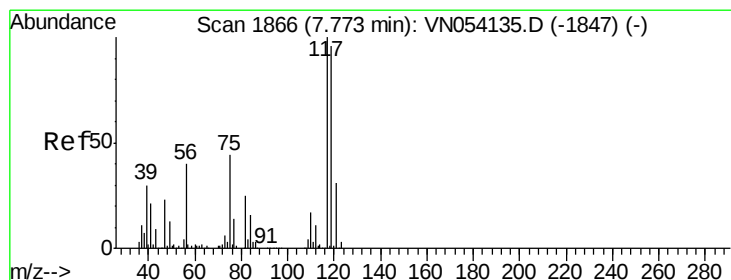
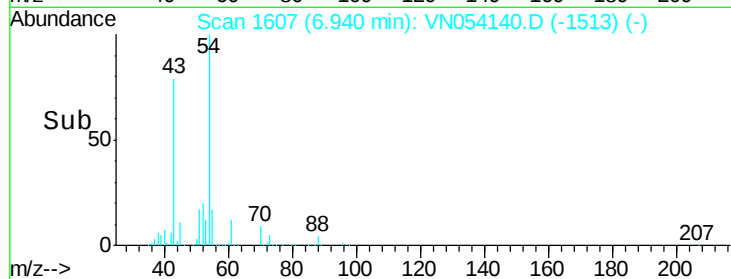
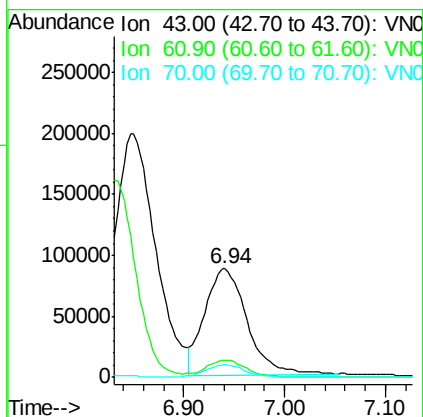
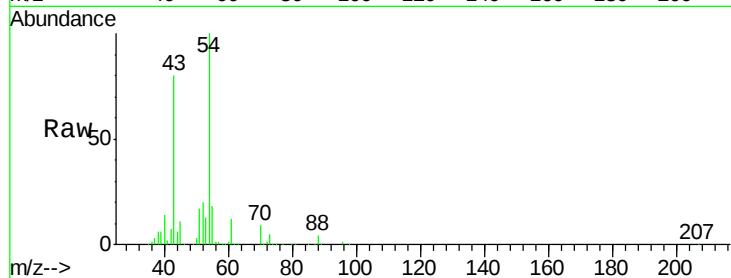




#37
Ethyl Acetate
Concen: 17.470 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

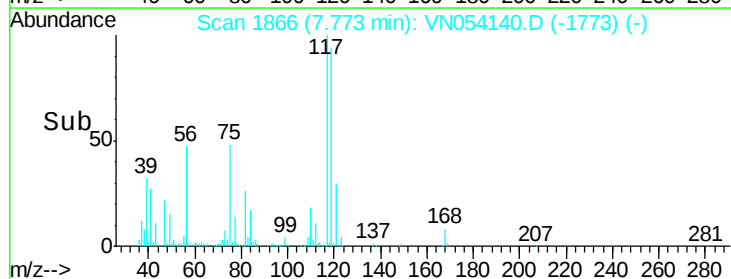
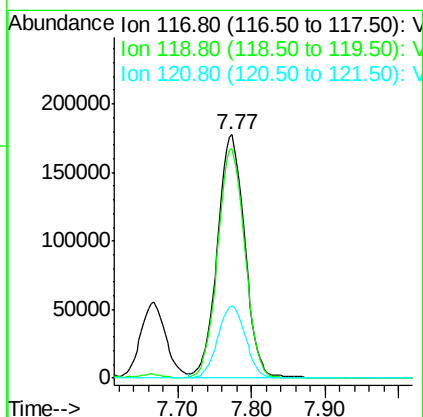
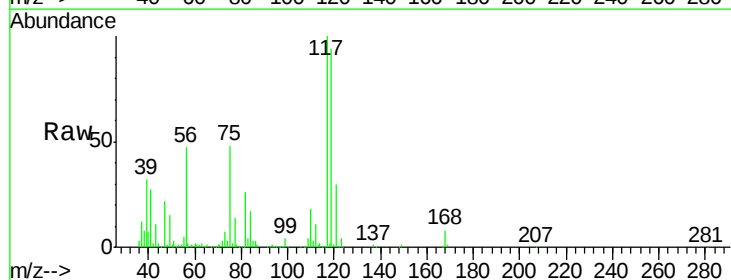
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

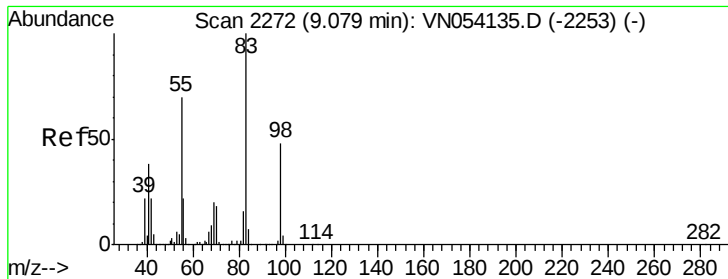
Tot Ion: 43 Resp: 253772
Ion Ratio Lower Upper
43 100
61 15.1 11.1 16.7
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.438 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 117 Resp: 457869
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 29.9 24.3 36.5

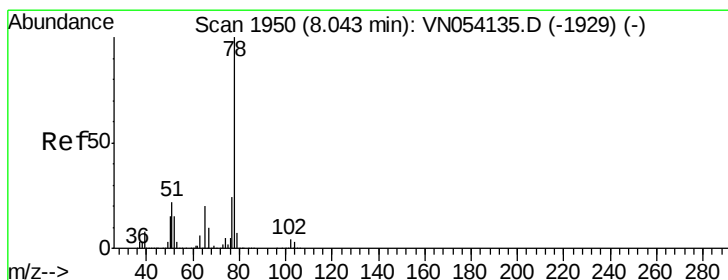
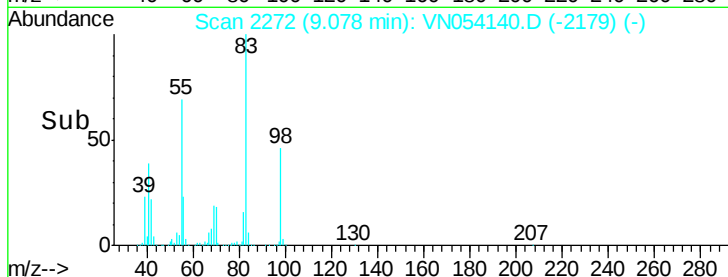
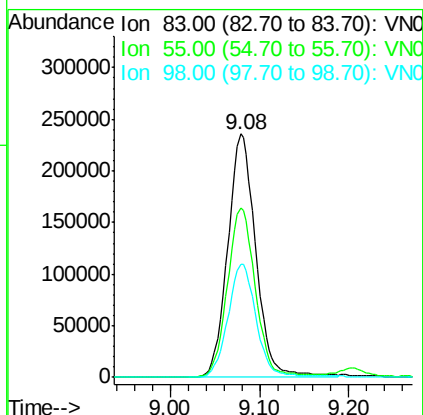
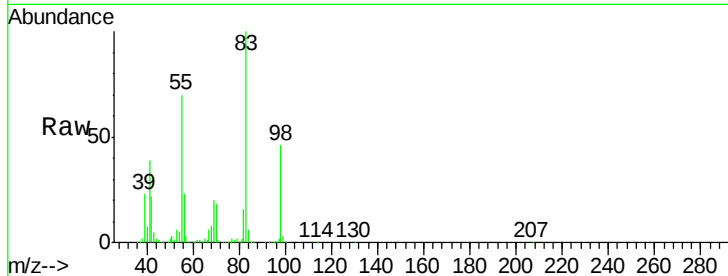




#39
Methvlcvclohexane
Concen: 18.698 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

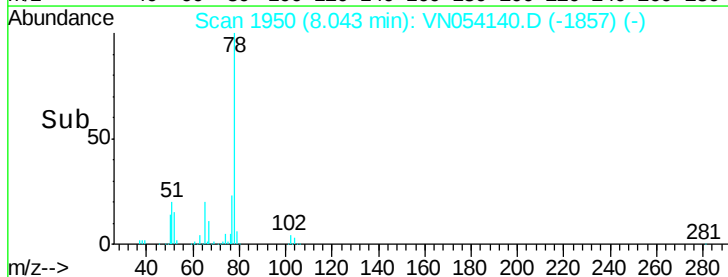
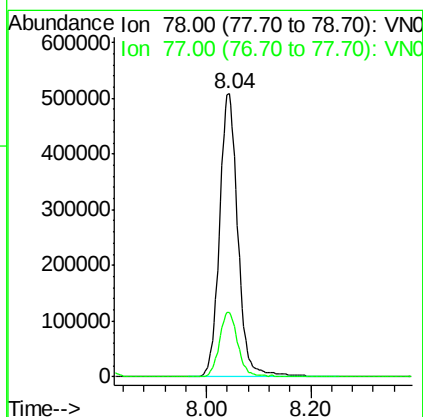
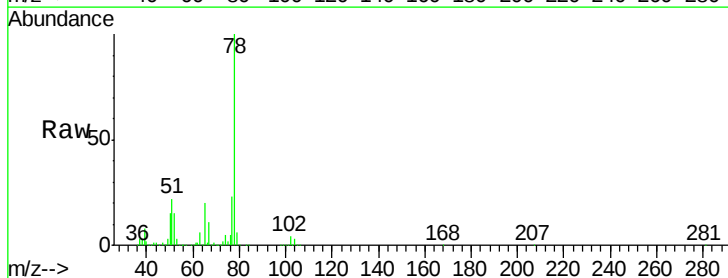
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

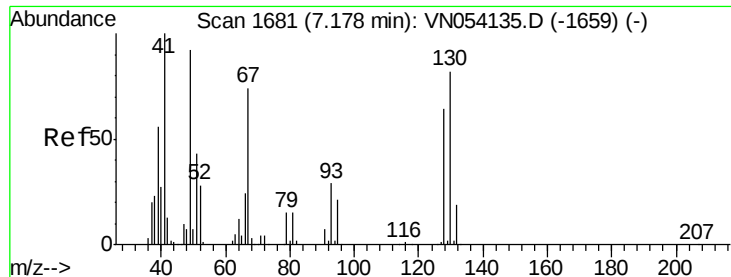
Tot Ion: 83 Resp: 515675
Ion Ratio Lower Upper
83 100
55 69.5 62.1 93.1
98 46.3 36.0 54.0



#40
Benzene
Concen: 19.298 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 78 Resp: 1242208
Ion Ratio Lower Upper
78 100
77 22.7 18.7 28.1

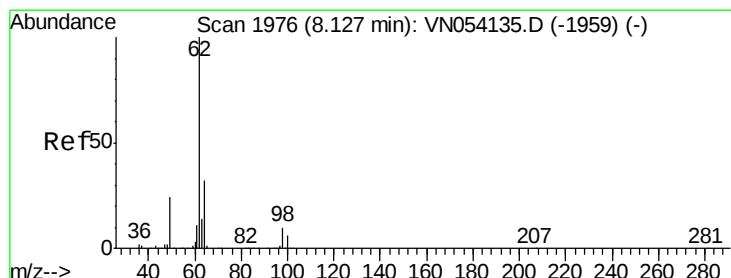
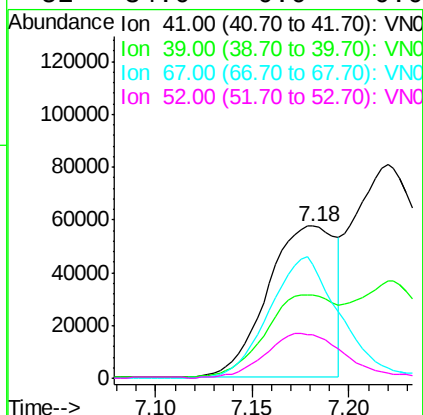
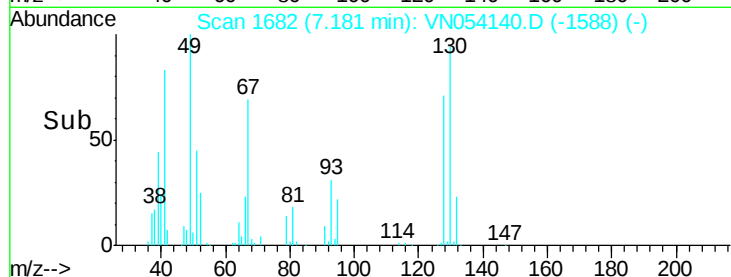
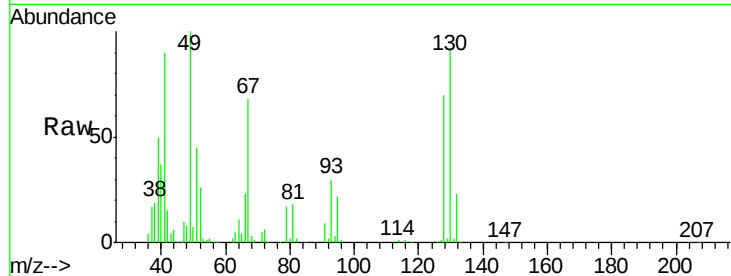




#41
Methacrylonitrile
Concen: 18.375 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

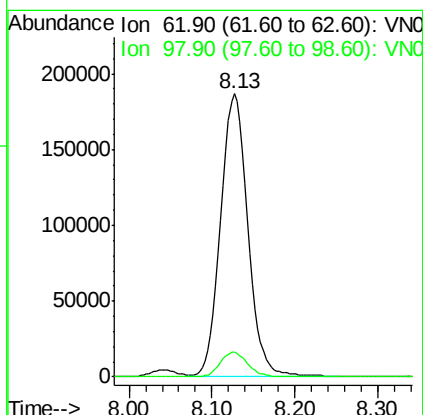
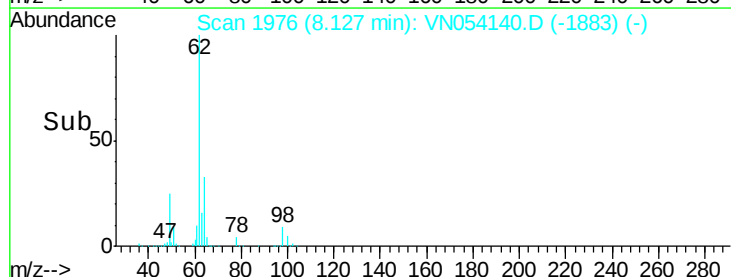
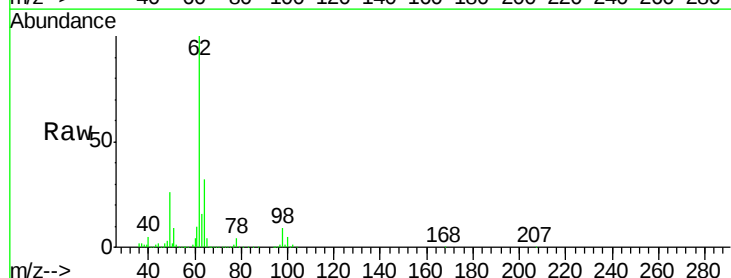
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

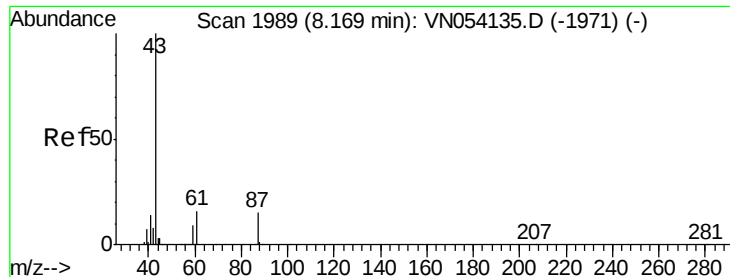
Tot Ion:	41	Resp:	138970
Ion	Ratio	Lower	Upper
41	100		
39	55.4	0.0	0.0#
67	85.2	0.0	0.0#
52	34.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.188 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion:	62	Resp:	425828
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.508 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

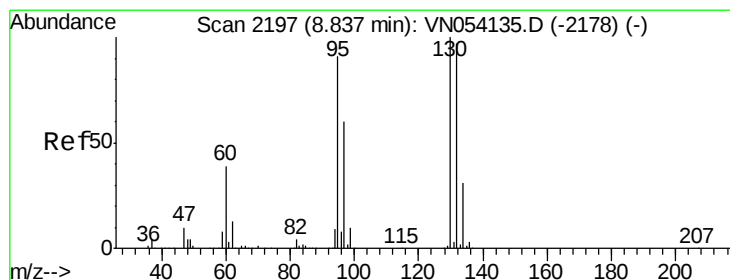
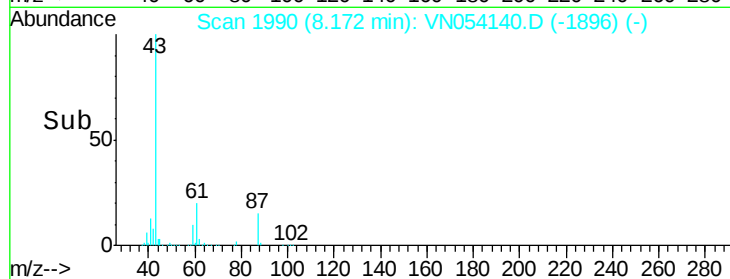
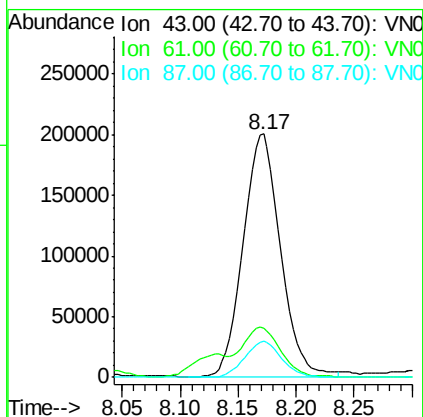
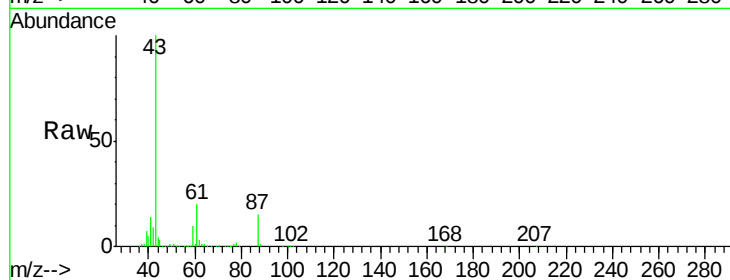
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 446925

Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.5	33.7#
87	14.7	10.1	15.1



#44

Trichloroethene

Concen: 18.986 ug/l

RT: 8.84 min Scan# 2197

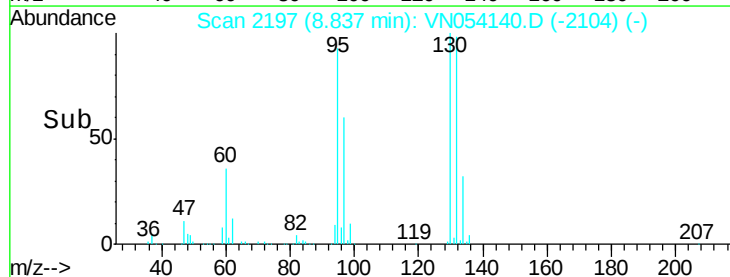
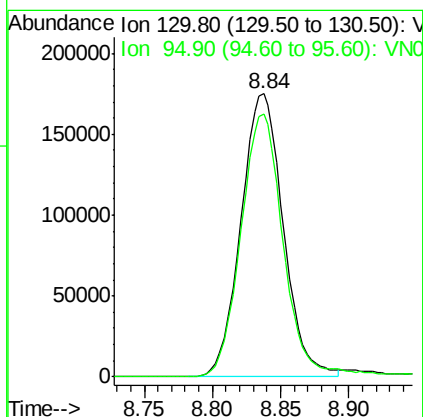
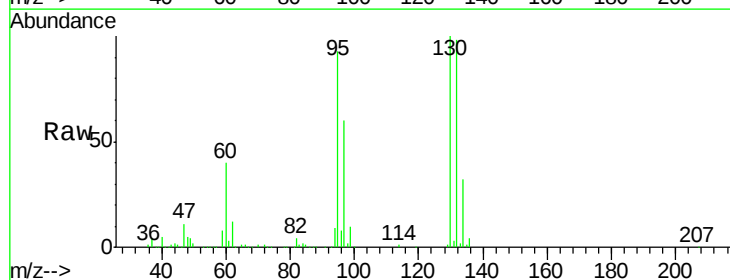
Delta R.T. -0.00 min

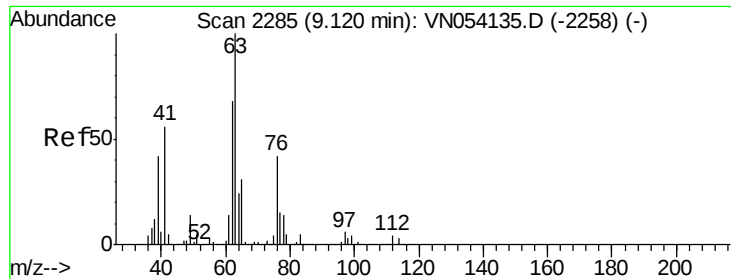
Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Tgt Ion: 130 Resp: 377154

Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	189.4

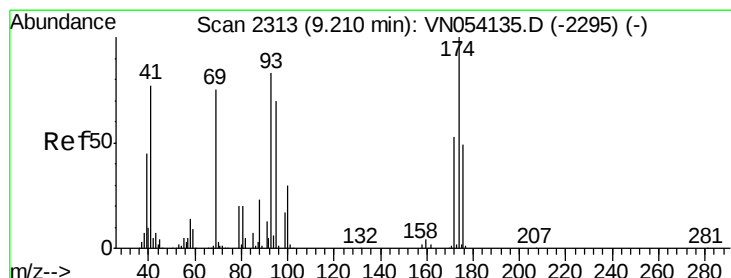
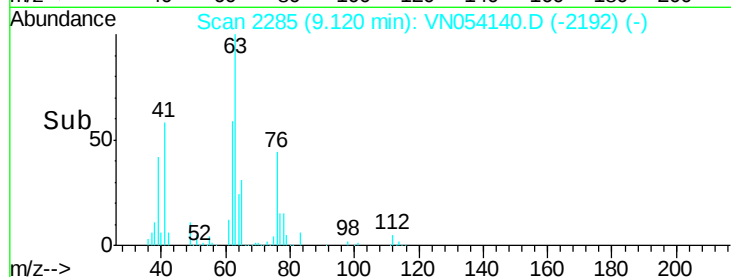
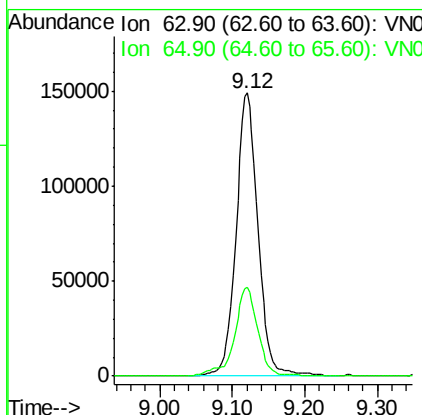
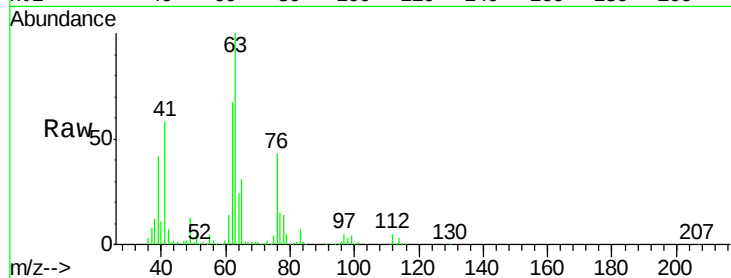




#45
 1,2-Dichloropropane
 Concen: 19.065 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

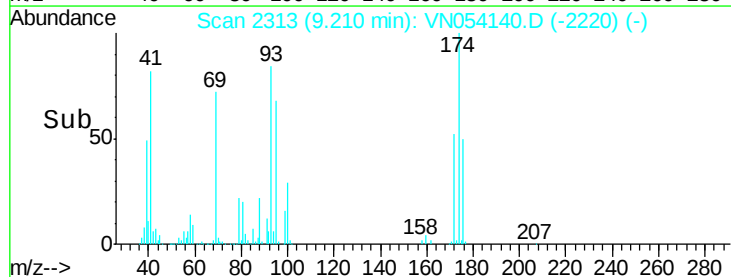
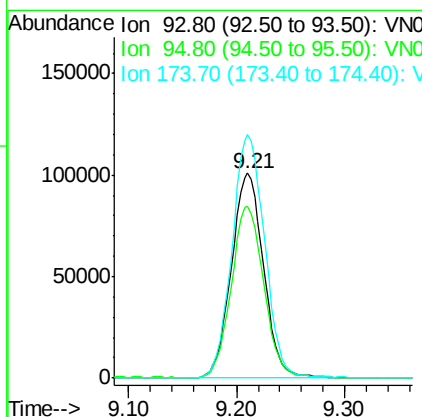
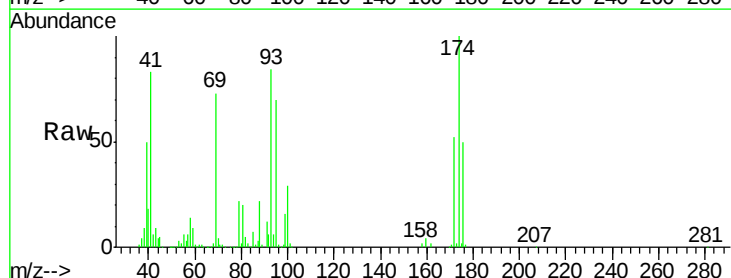
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

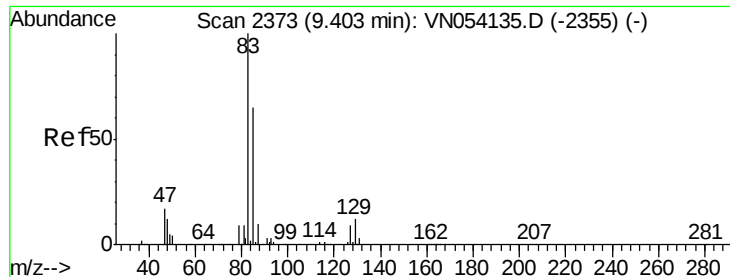
Tot Ion: 63 Resp: 313591
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#46
 Dibromomethane
 Concen: 18.844 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion: 93 Resp: 210276
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.1 99.1
 174 119.8 86.1 129.1





#47

Bromodichloromethane

Concen: 18.939 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

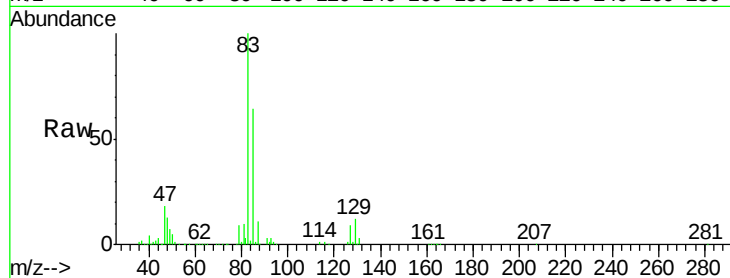
Tot Ion: 83 Resp: 438084

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

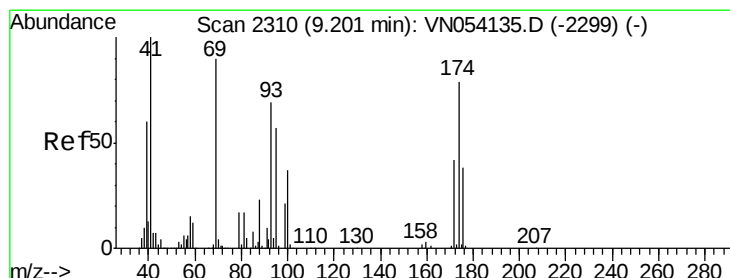
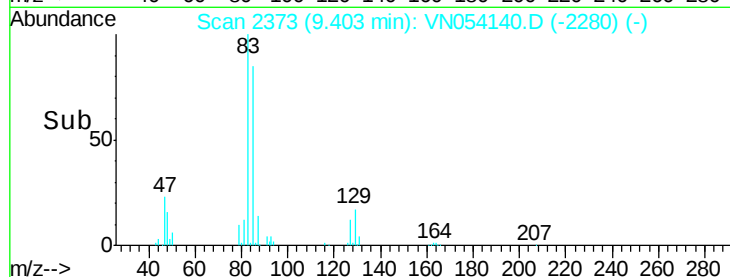
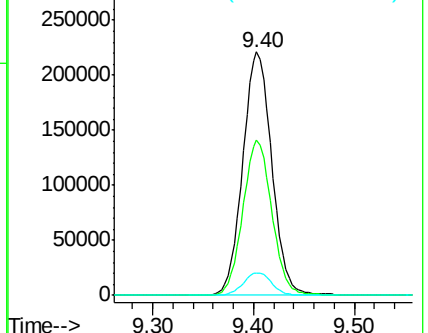
127 9.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN054140.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054140.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054140.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.717 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

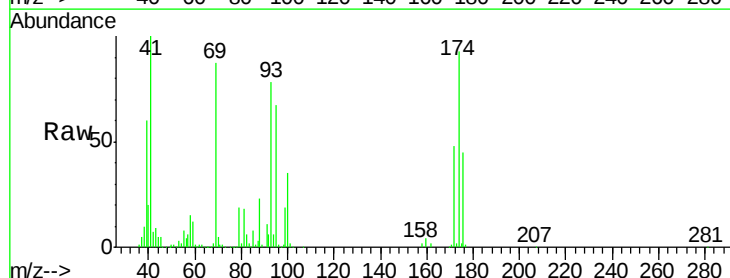
Tgt Ion: 41 Resp: 230000

Ion Ratio Lower Upper

41 100

69 89.1 71.0 106.4

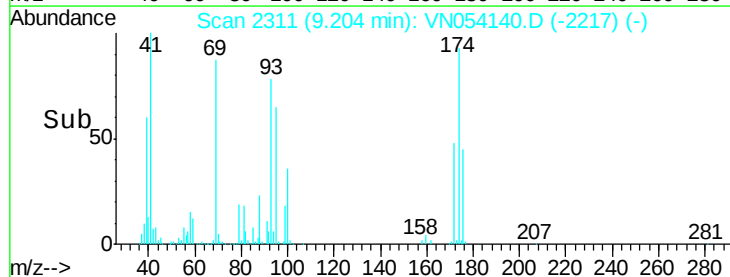
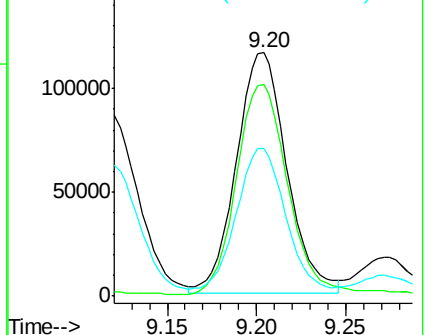
39 60.4 43.7 65.5

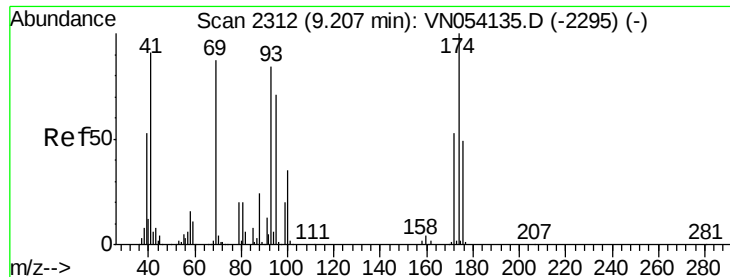


Abundance Ion 41.00 (40.70 to 41.70): VN054140.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054140.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054140.D (-2217) (-)

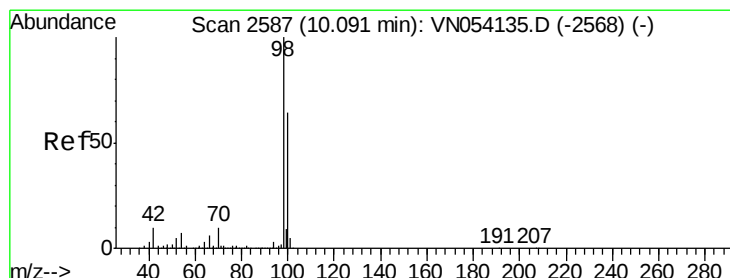
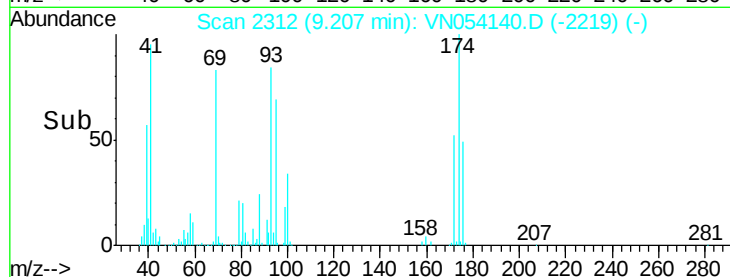
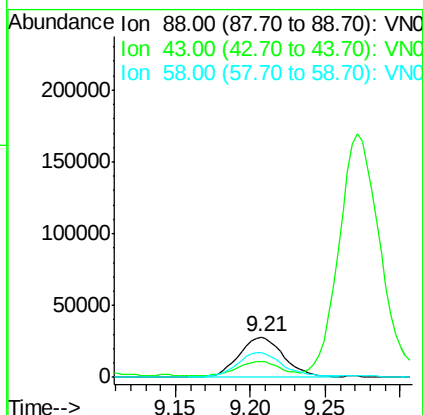
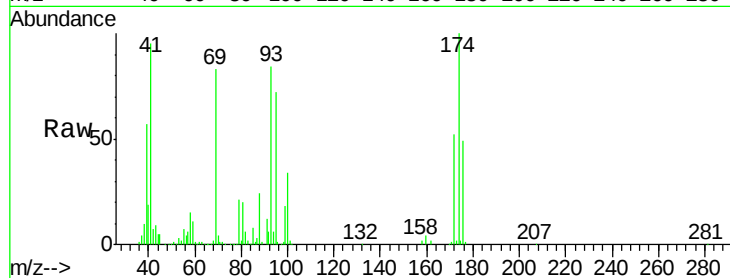




#49
1,4-Dioxane
Concen: 348.128 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

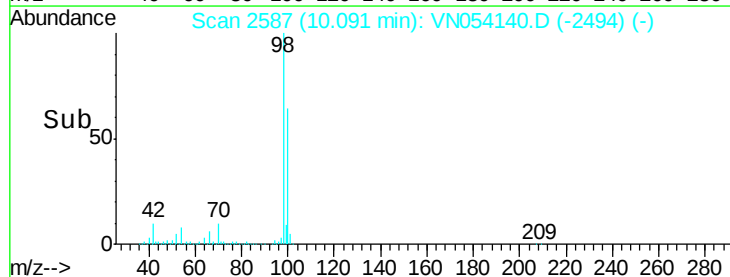
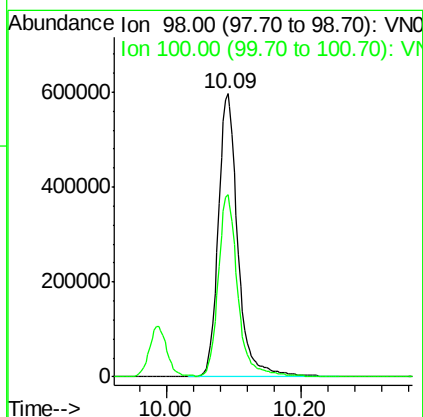
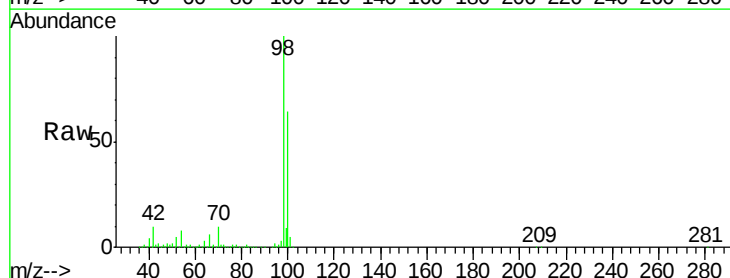
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

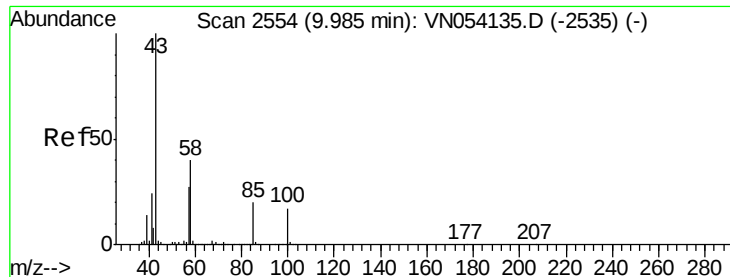
Tot Ion: 88 Resp: 58634
Ion Ratio Lower Upper
88 100
43 33.5 25.5 38.3
58 63.0 58.3 87.5



#50
Toluene-d8
Concen: 19.851 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 98 Resp: 1214429
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 90.072 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

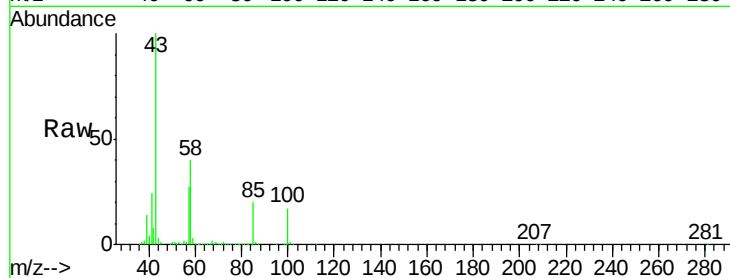
VSTDIC020

Tot Ion: 43 Resp: 1166592

Ion Ratio Lower Upper

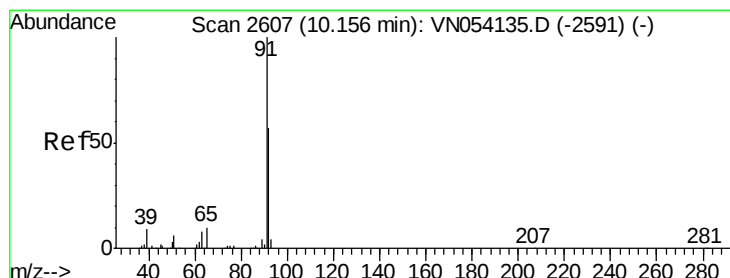
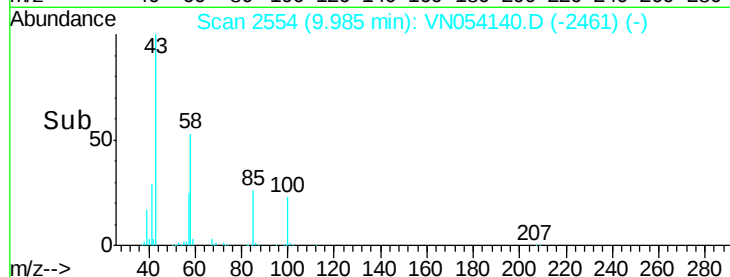
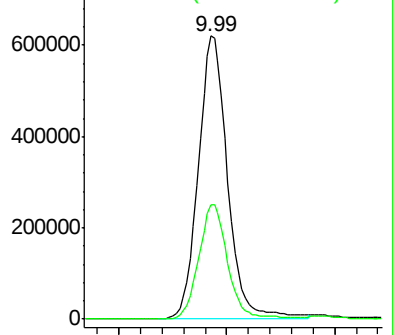
43 100

58 40.4 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.003 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054140.D

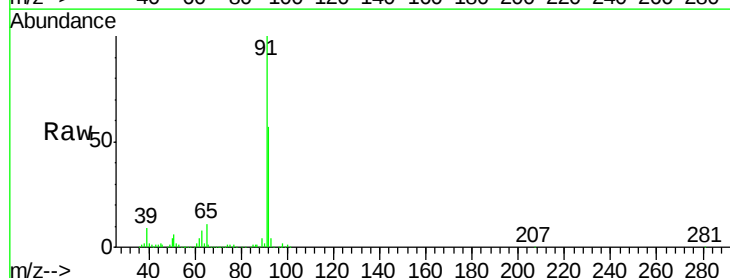
Acq: 11 Mar 2019 13:42

Tgt Ion: 92 Resp: 783195

Ion Ratio Lower Upper

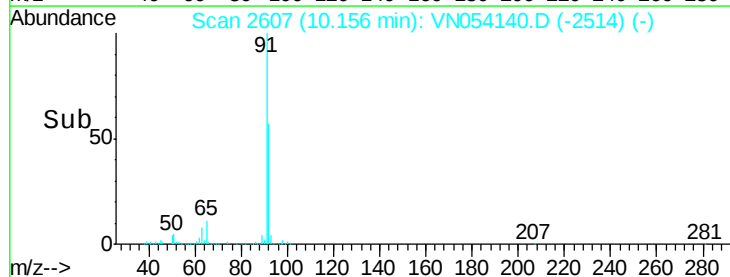
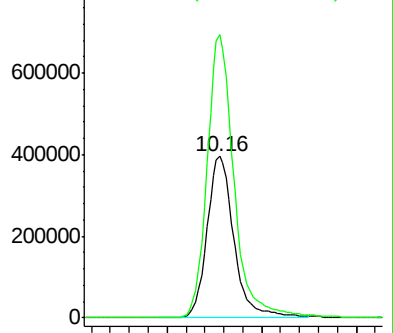
92 100

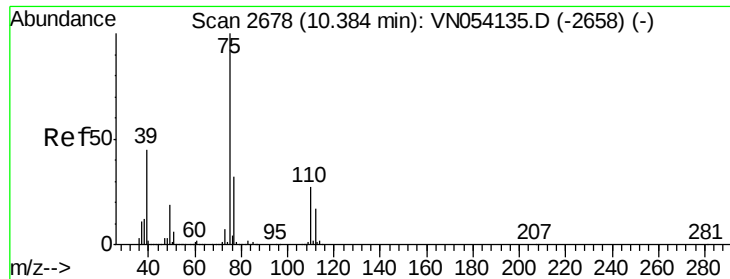
91 176.3 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.627 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

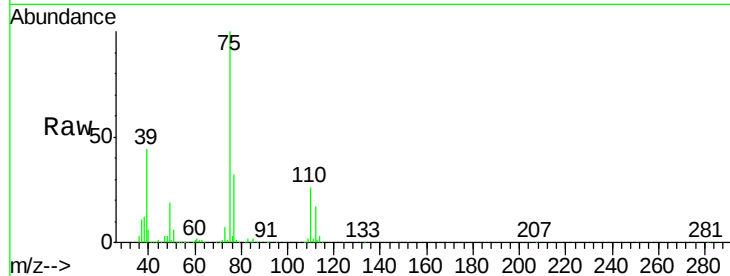
VSTDIC020

Tot Ion: 75 Resp: 438725

Ion Ratio Lower Upper

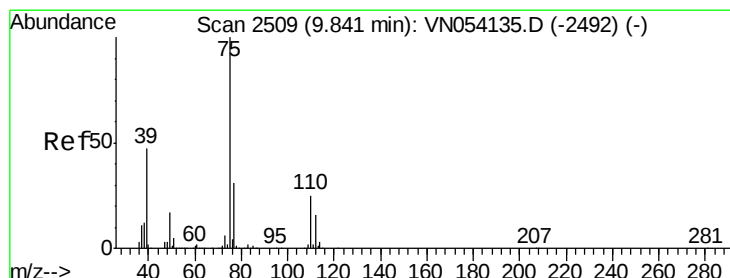
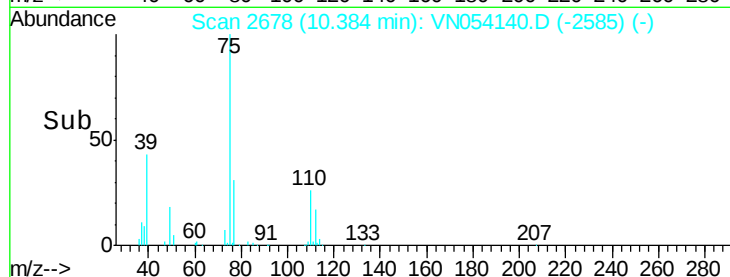
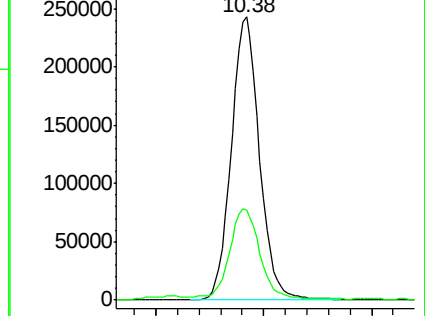
75 100

77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.871 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

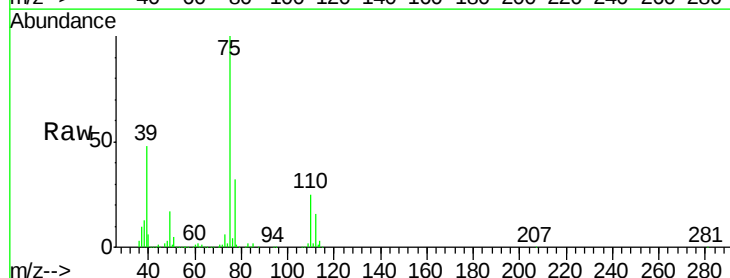
Tgt Ion: 75 Resp: 499150

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

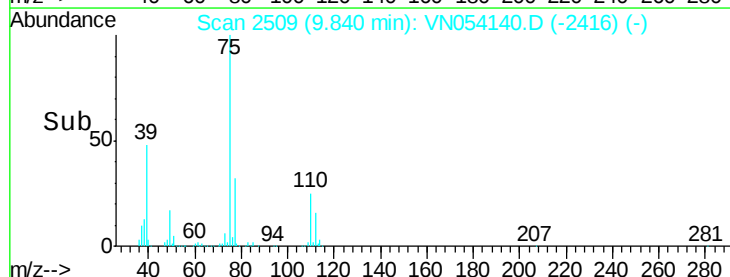
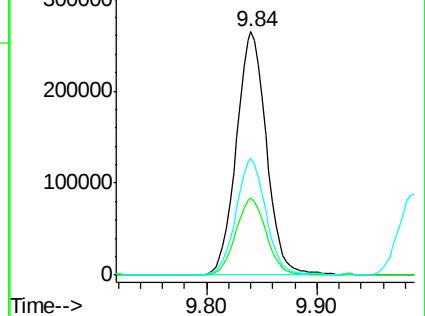
39 47.9 36.2 54.2

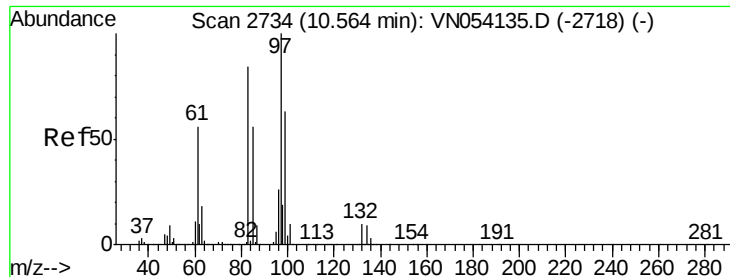


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

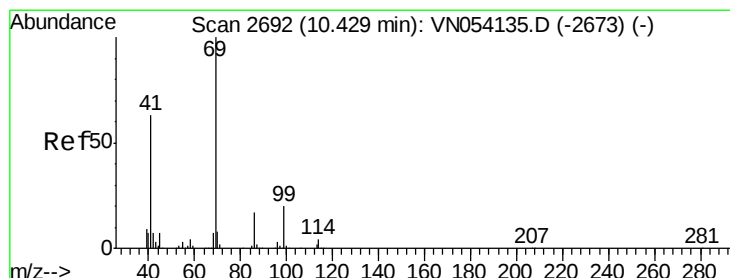
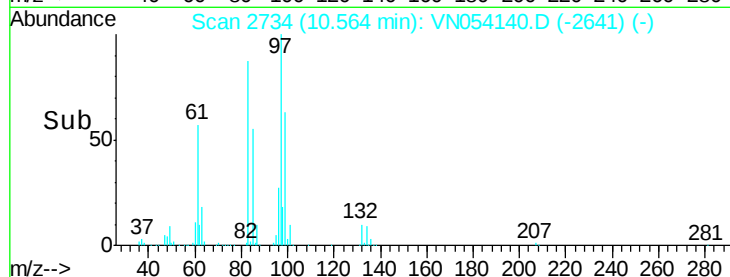
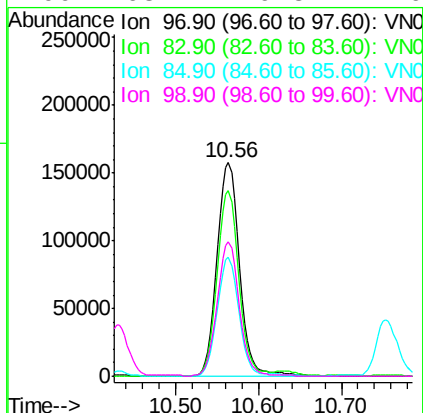
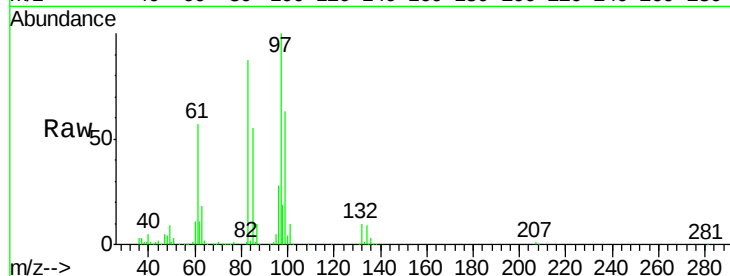




#55
 1,1,2-Trichloroethane
 Concen: 18.984 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

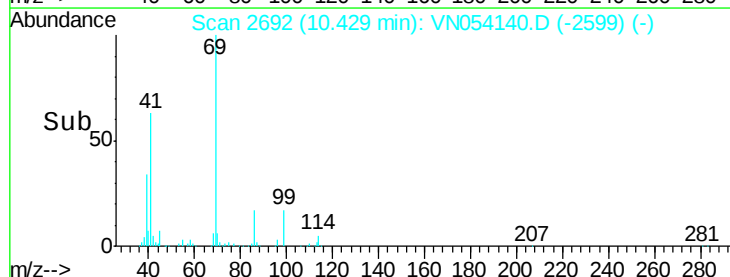
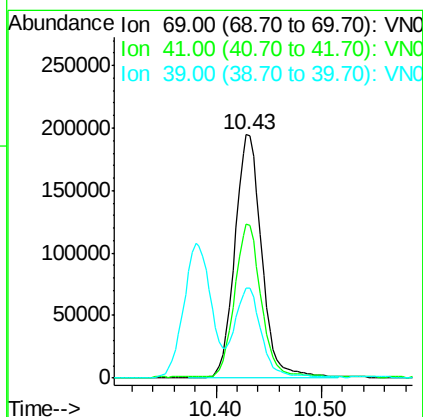
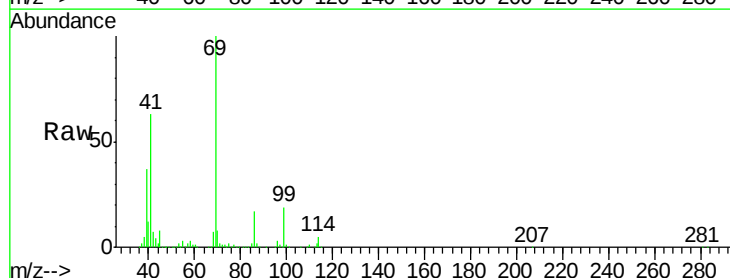
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

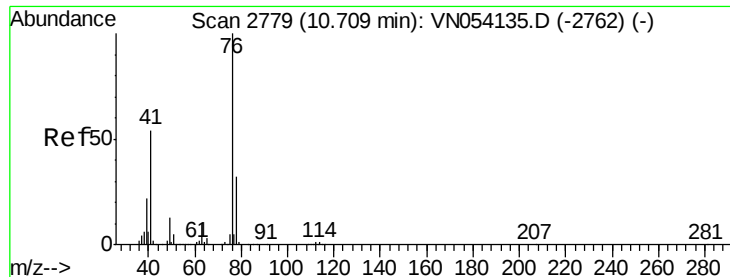
Tot Ion: 97 Resp: 294974
 Ion Ratio Lower Upper
 97 100
 83 87.1 69.8 104.6
 85 55.5 45.0 67.4
 99 63.1 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 18.085 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion: 69 Resp: 343941
 Ion Ratio Lower Upper
 69 100
 41 61.7 53.4 80.2
 39 35.6 25.6 38.4





#57

1,3-Dichloropropane

Concen: 18.978 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

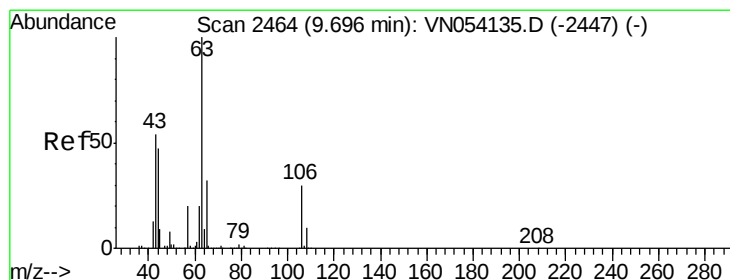
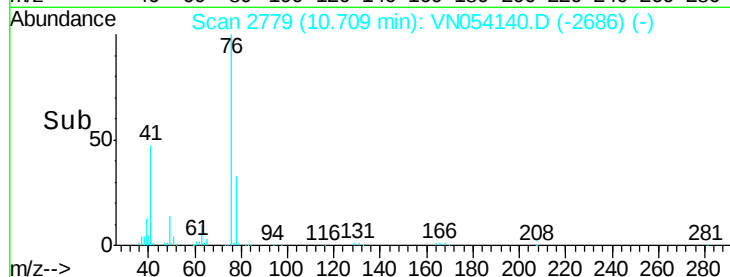
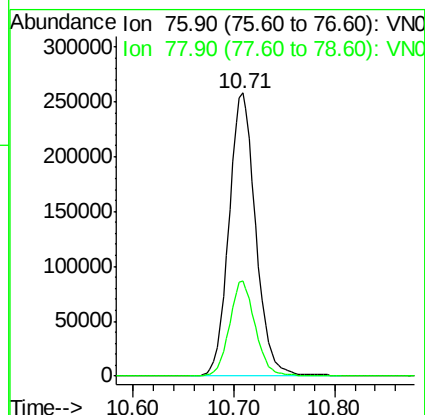
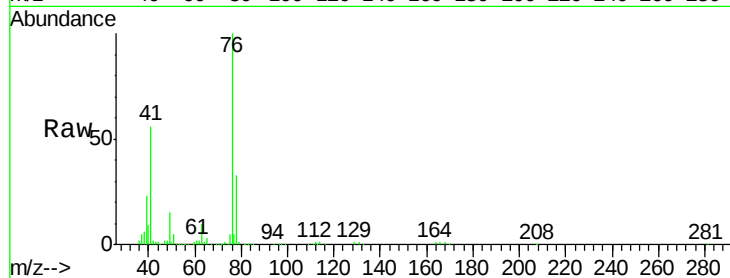
VSTDIC020

Tot Ion: 76 Resp: 477309

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 89.396 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054140.D

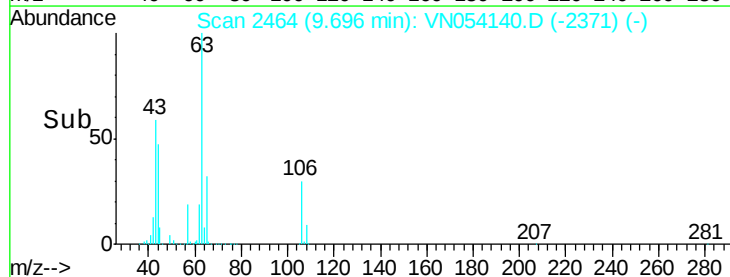
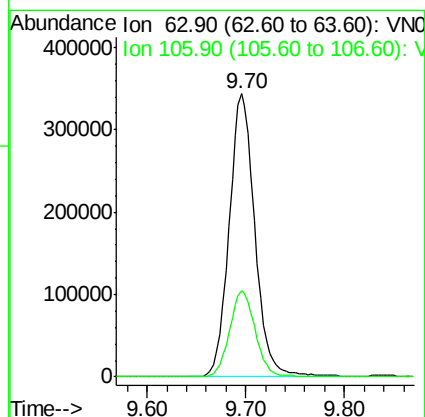
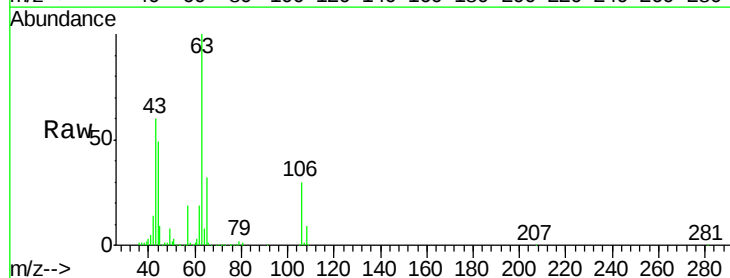
Acq: 11 Mar 2019 13:42

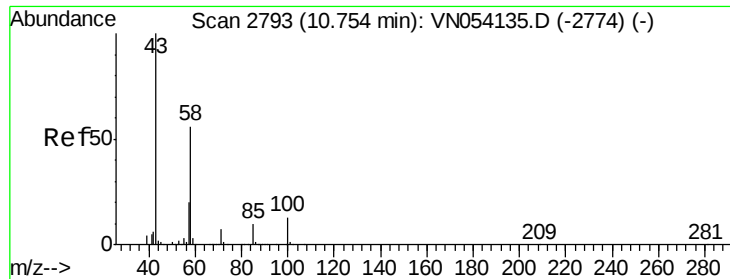
Tgt Ion: 63 Resp: 627724

Ion Ratio Lower Upper

63 100

106 30.5 20.2 30.2#

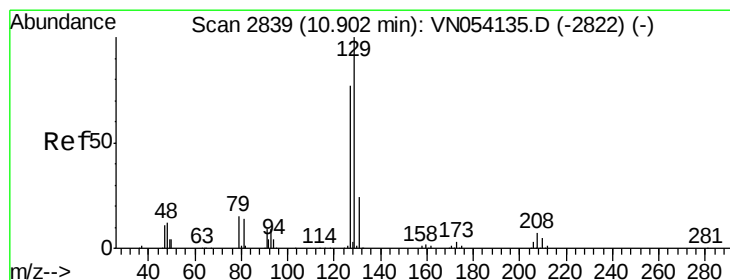
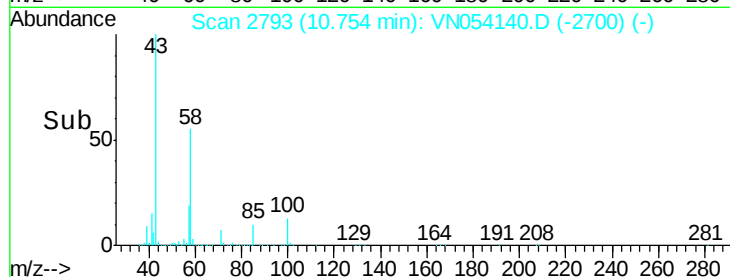
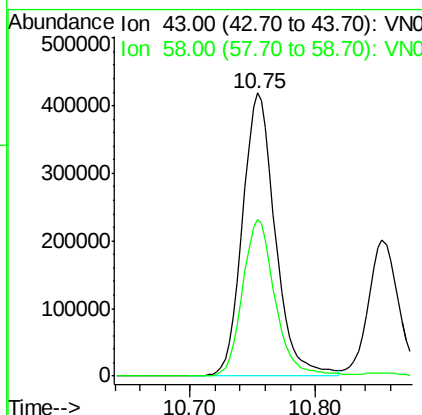
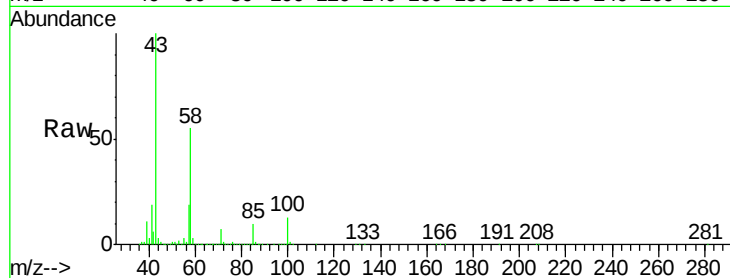




#59
2-Hexanone
Concen: 87.794 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

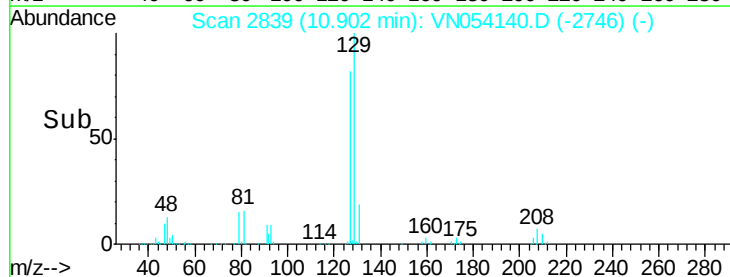
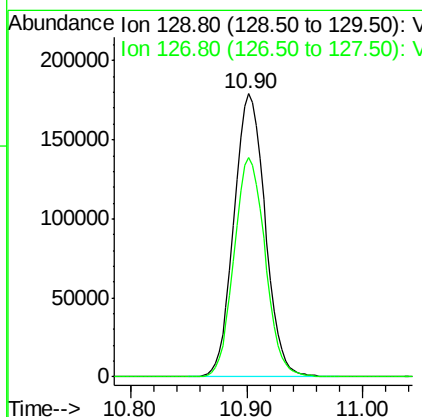
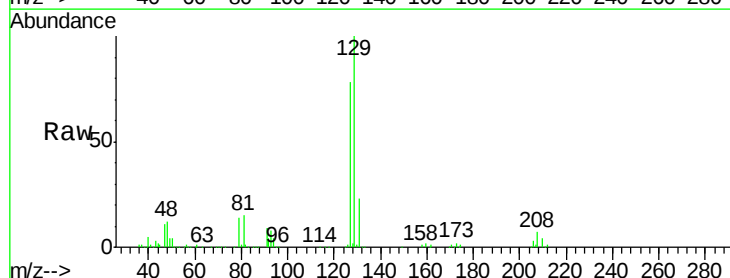
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

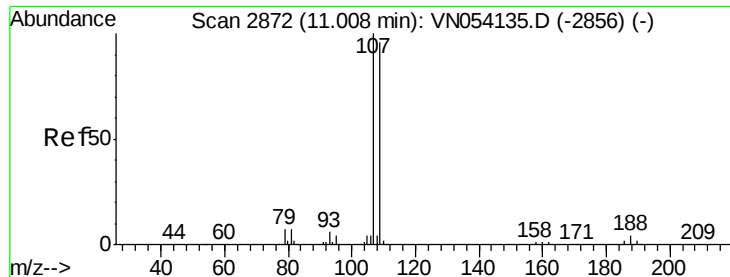
Tot Ion: 43 Resp: 754628
Ion Ratio Lower Upper
43 100
58 55.6 27.0 81.0



#60
Dibromochloromethane
Concen: 18.674 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 129 Resp: 336103
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4

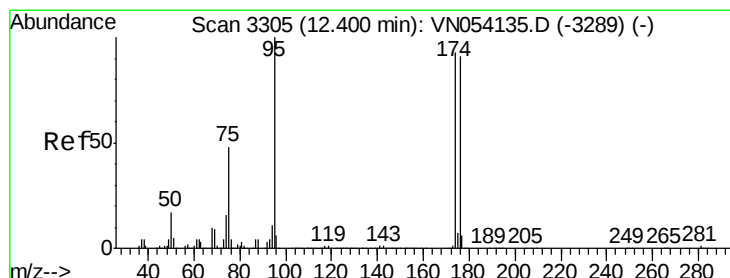
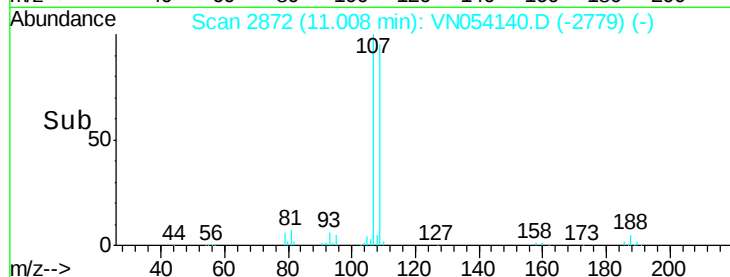
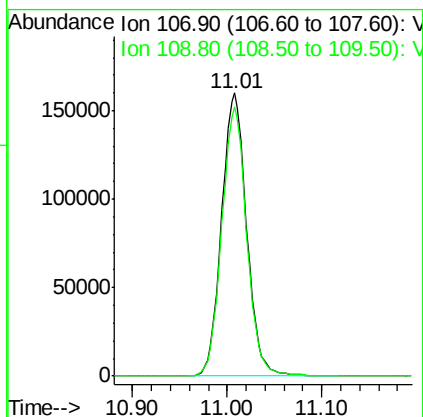
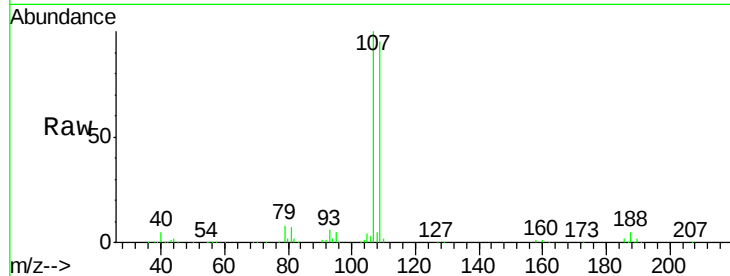




#61
 1,2-Dibromoethane
 Concen: 18.842 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

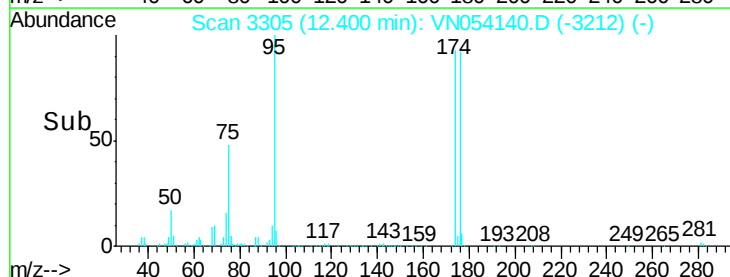
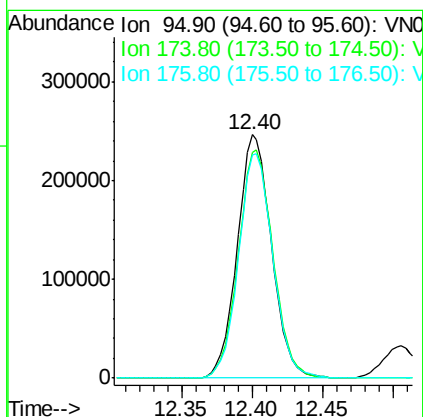
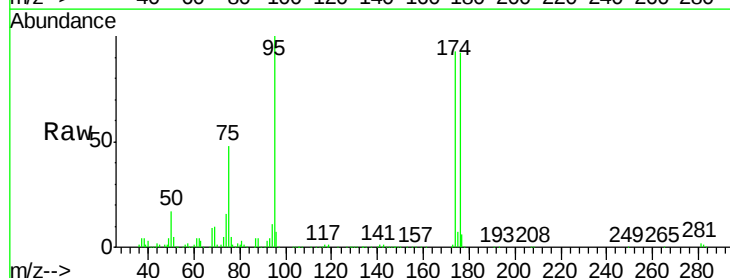
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

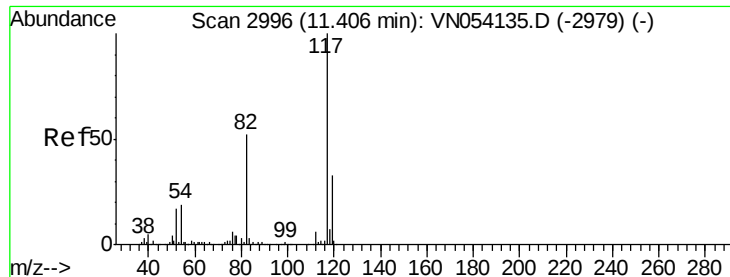
Tot Ion:107 Resp: 294205
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 19.573 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion: 95 Resp: 419203
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 173.2
 176 92.3 0.0 168.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

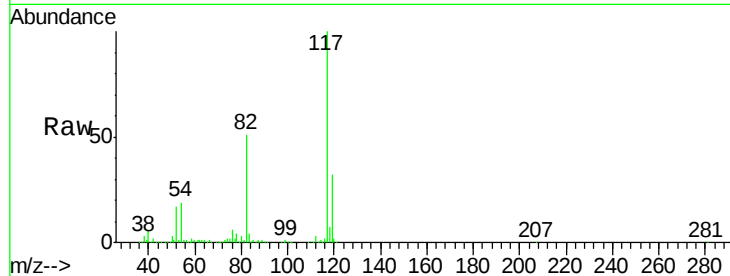
Tot Ion:117 Resp: 2242899

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.2

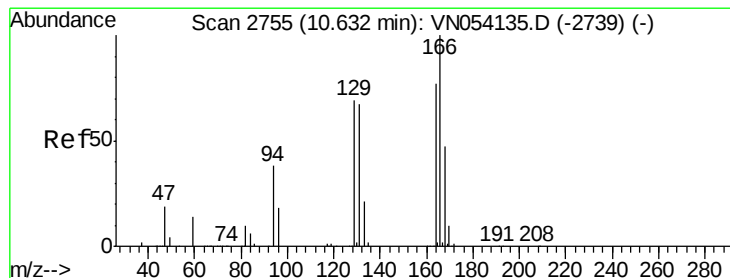
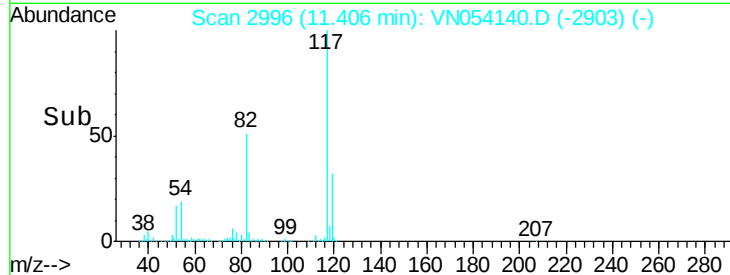
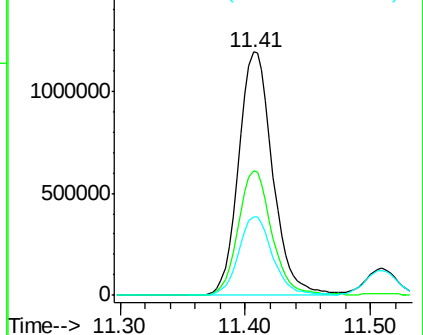
119 32.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.958 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Tgt Ion:164 Resp: 391522

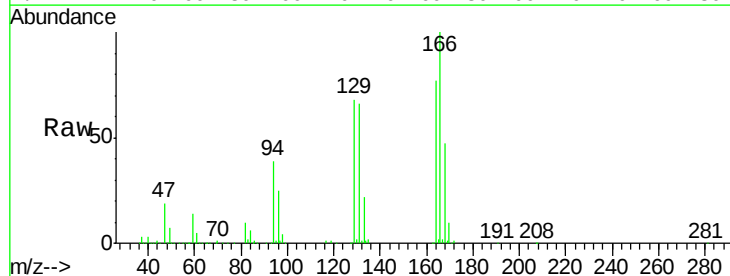
Ion Ratio Lower Upper

164 100

166 129.2 101.3 151.9

129 87.5 73.2 109.8

131 85.6 70.8 106.2

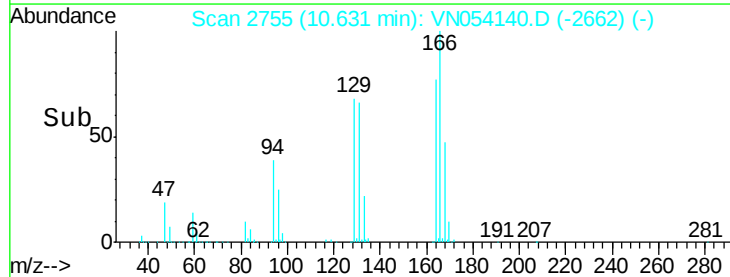
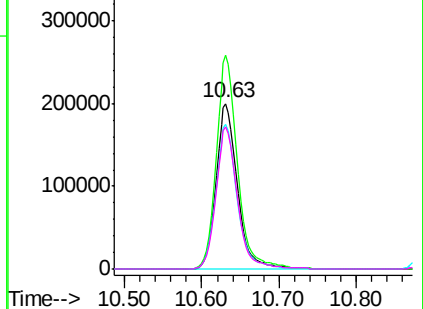


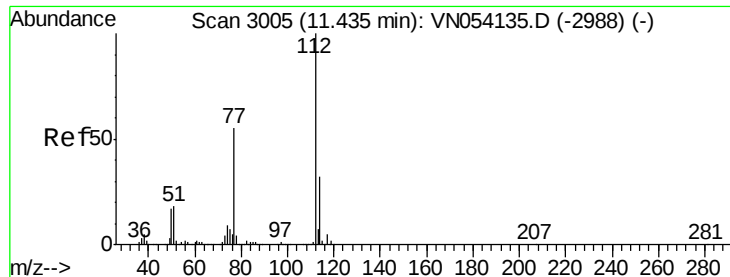
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.043 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

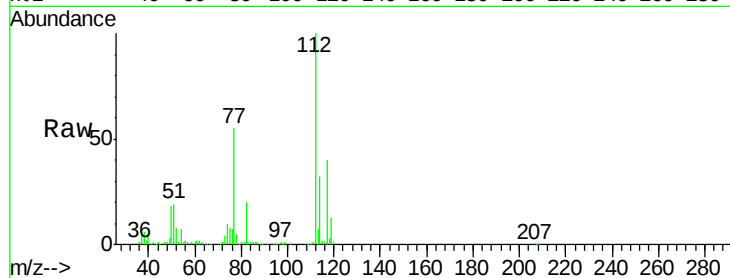
VSTDIC020

Tot Ion:112 Resp: 905001

Ion Ratio Lower Upper

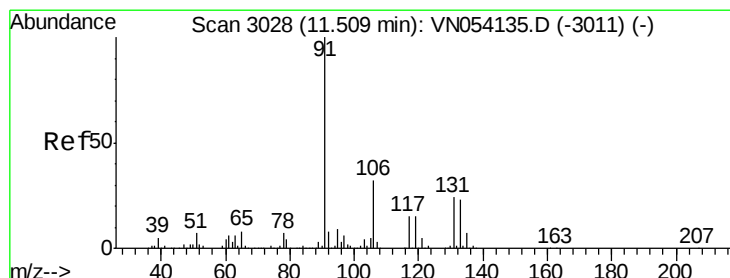
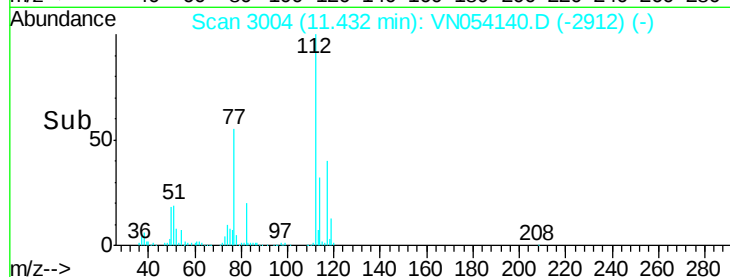
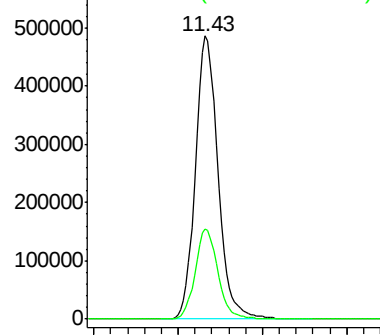
112 100

114 31.9 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: 19.196 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

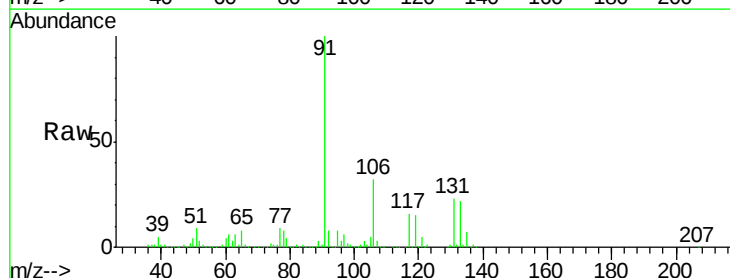
Tgt Ion:131 Resp: 343194

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

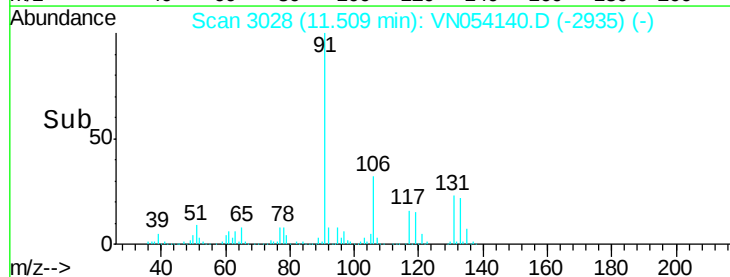
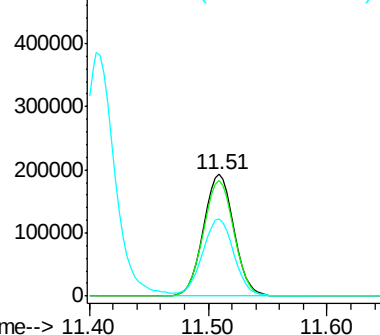
119 65.1 33.8 101.3

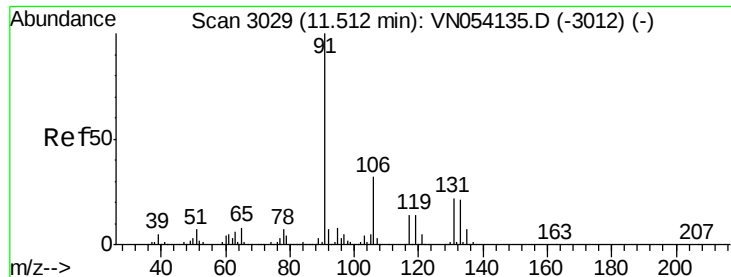


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

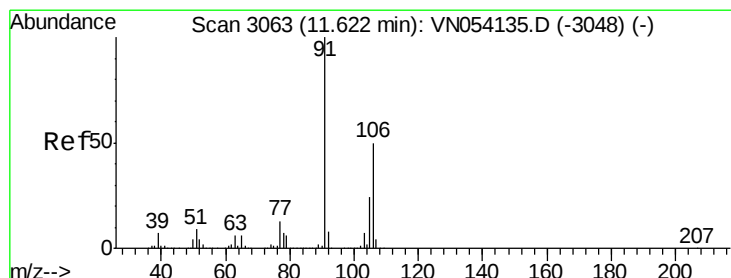
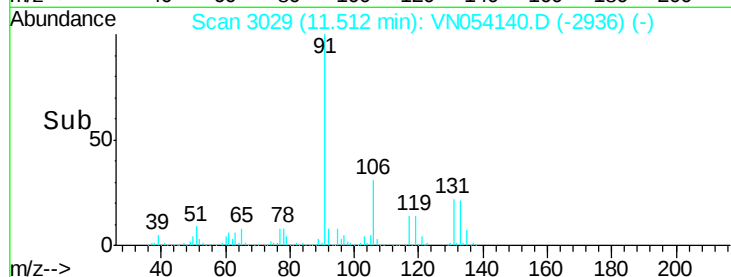
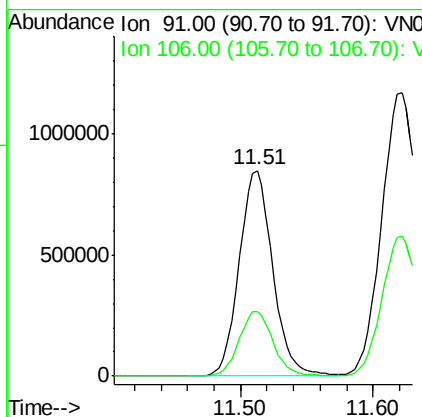
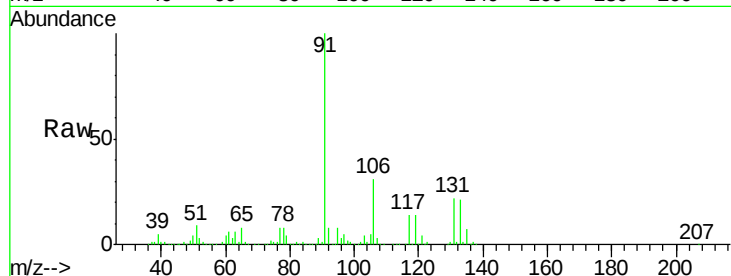




#67
Ethyl Benzene
Concen: 18.850 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

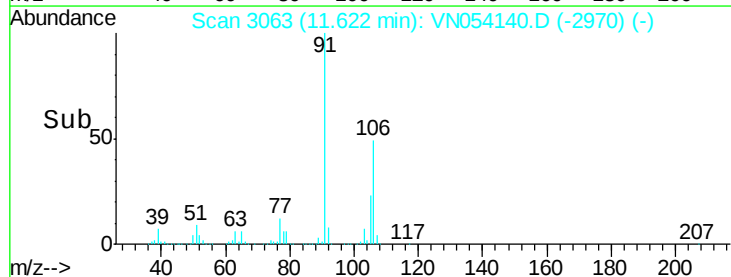
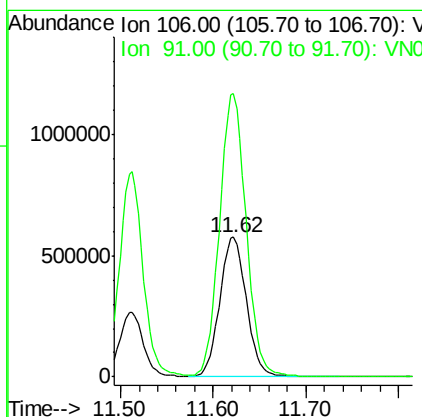
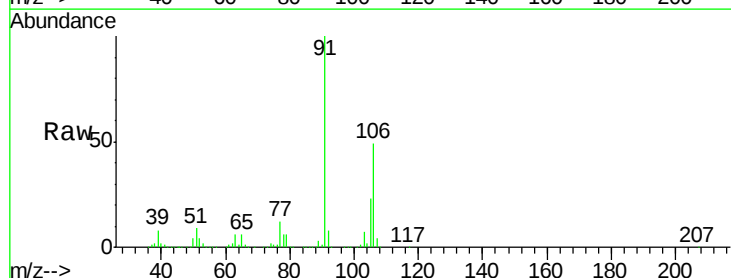
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

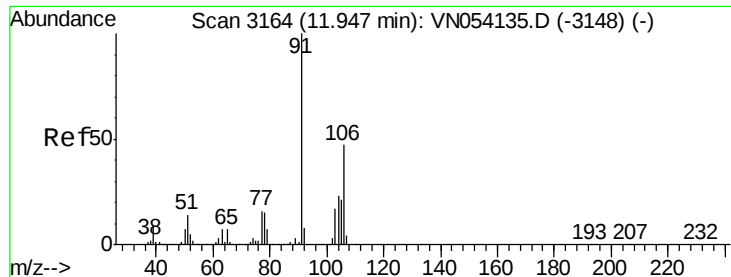
Tot Ion: 91 Resp: 1489102
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 37.358 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 106 Resp: 1154075
Ion Ratio Lower Upper
106 100
91 201.7 163.2 244.8

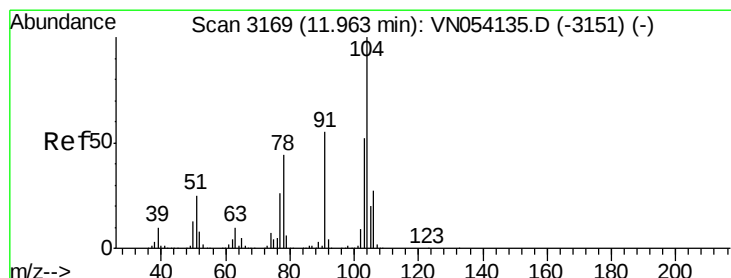
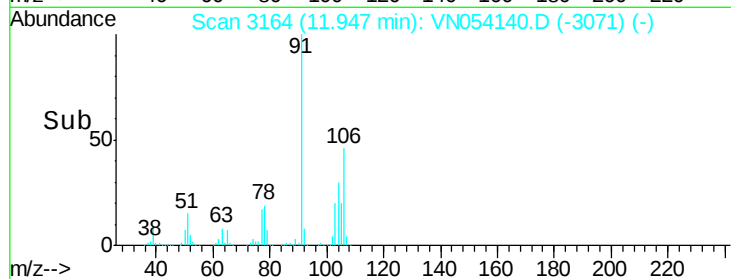
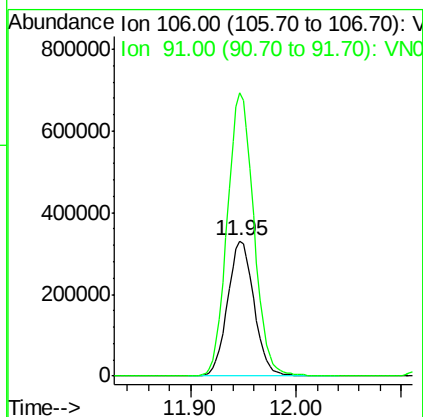
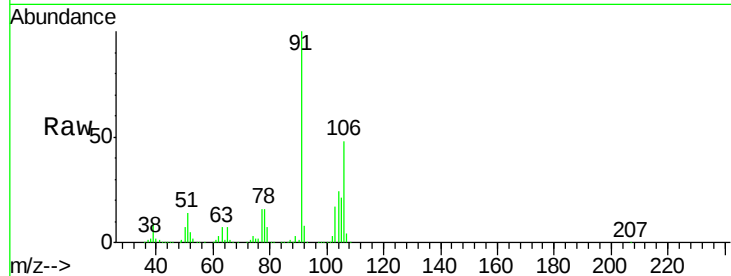




#69
o-Xylene
Concen: 18.882 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

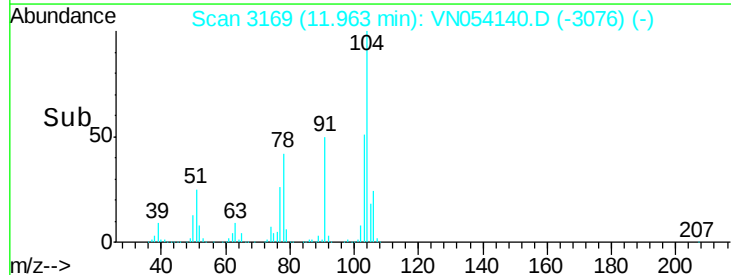
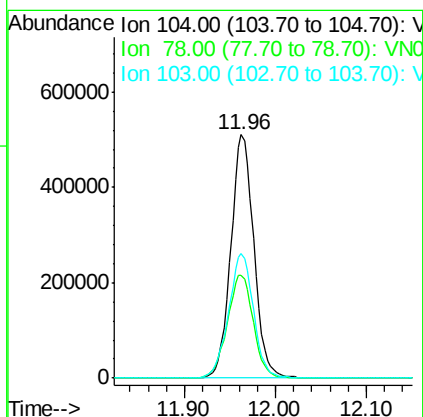
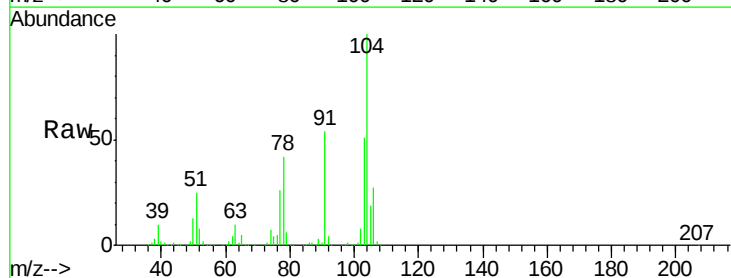
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

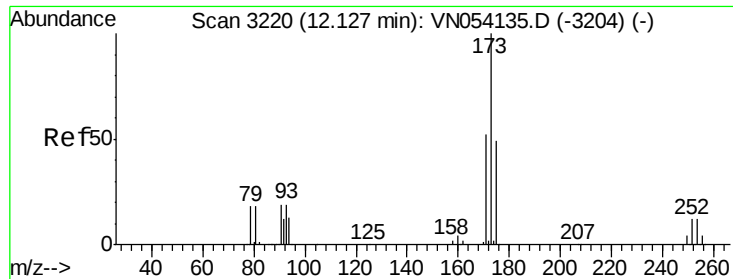
Tot Ion:106 Resp: 572577
Ion Ratio Lower Upper
106 100
91 210.5 107.1 321.3



#70
Styrene
Concen: 19.113 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion:104 Resp: 897792
Ion Ratio Lower Upper
104 100
78 47.8 39.4 59.0
103 55.5 44.7 67.1





#71

Bromoform

Concen: 18.373 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

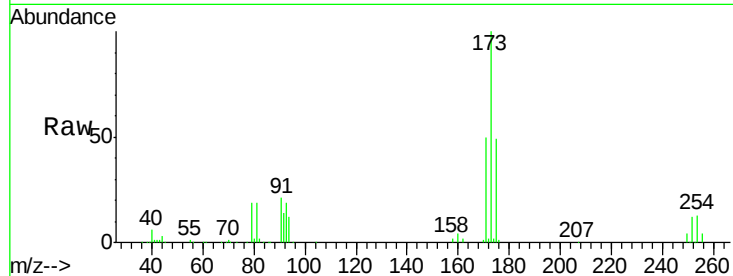
Tot Ion:173 Resp: 227641

Ion Ratio Lower Upper

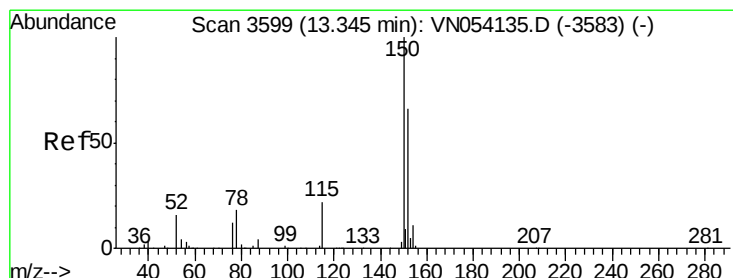
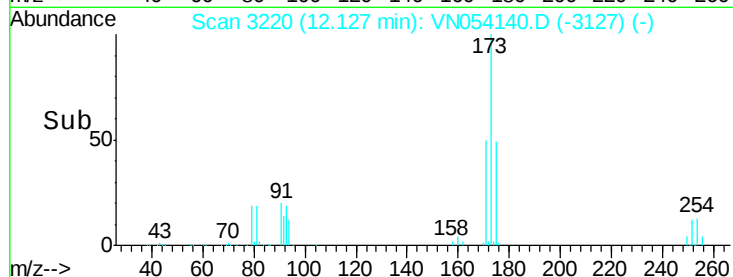
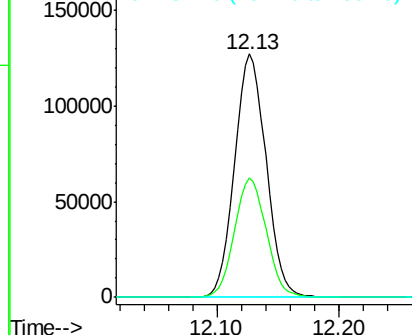
173 100

175 49.5 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

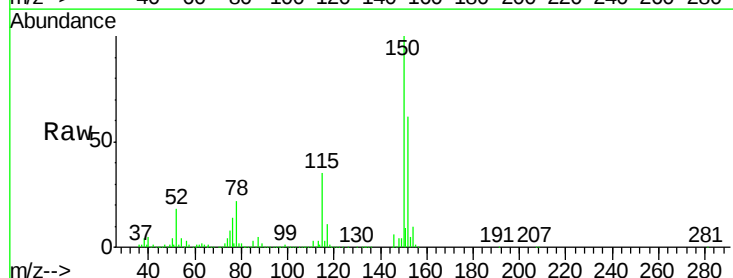
Tgt Ion:152 Resp: 1006092

Ion Ratio Lower Upper

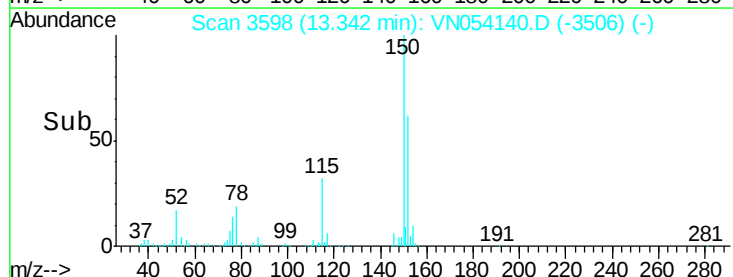
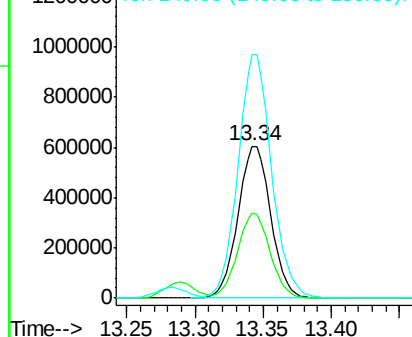
152 100

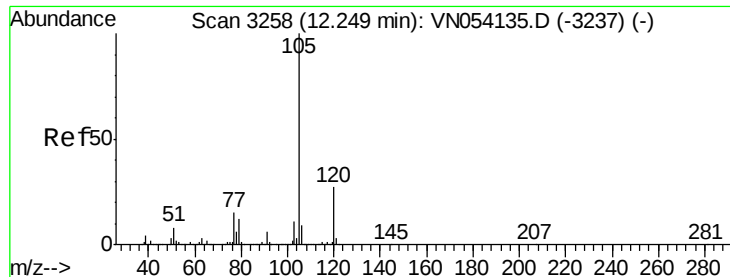
115 55.3 28.5 85.6

150 164.0 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: 19.317 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

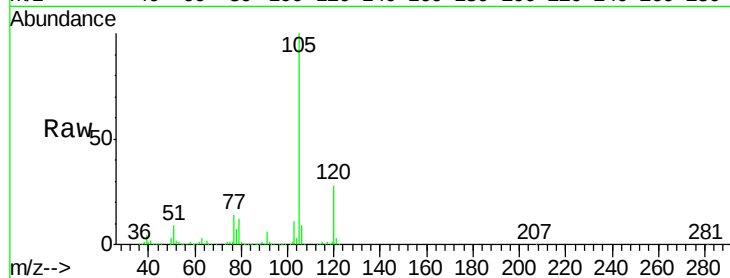
VSTDIC020

Tot Ion:105 Resp: 1545799

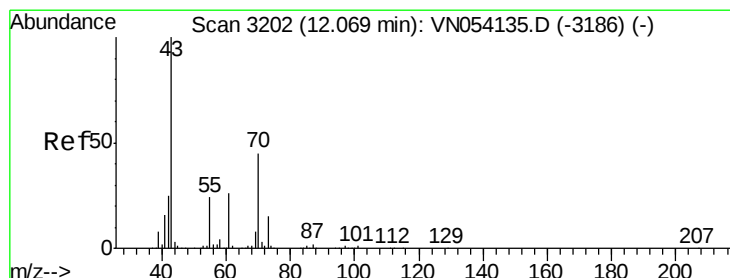
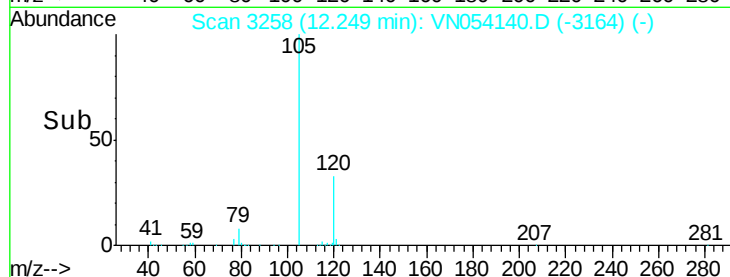
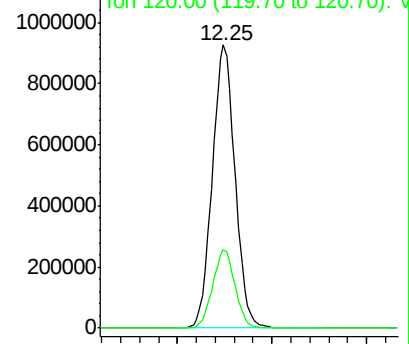
Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 17.721 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Tgt Ion: 43 Resp: 322998

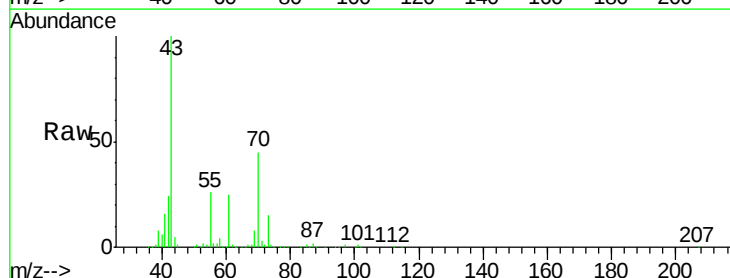
Ion Ratio Lower Upper

43 100

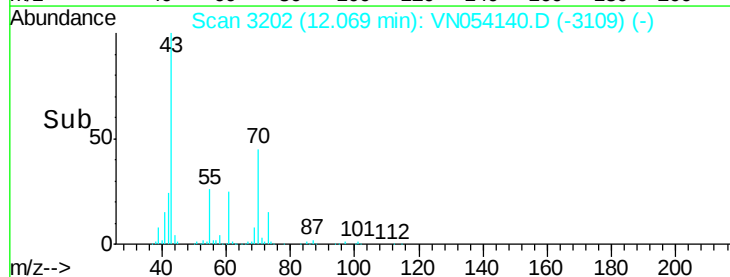
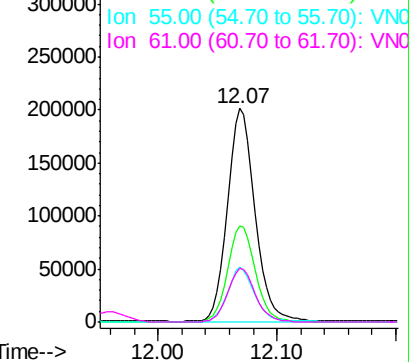
70 45.4 33.6 50.4

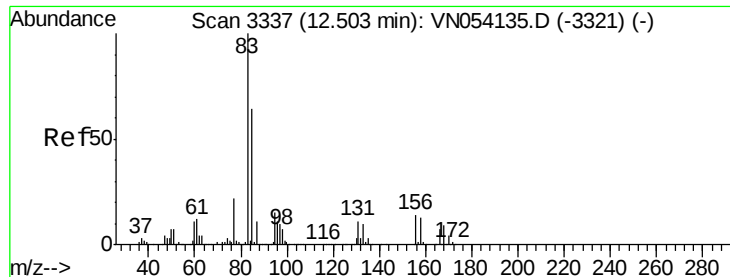
55 25.5 20.6 31.0

61 25.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.805 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

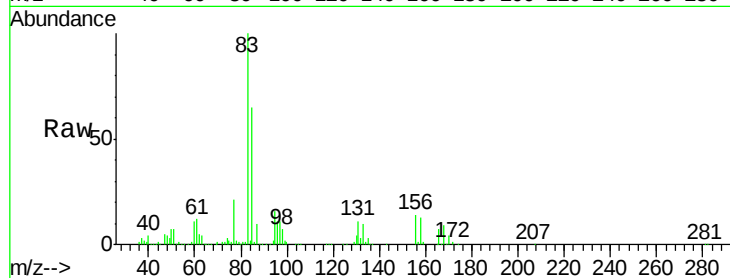
Tot Ion: 83 Resp: 325637

Ion Ratio Lower Upper

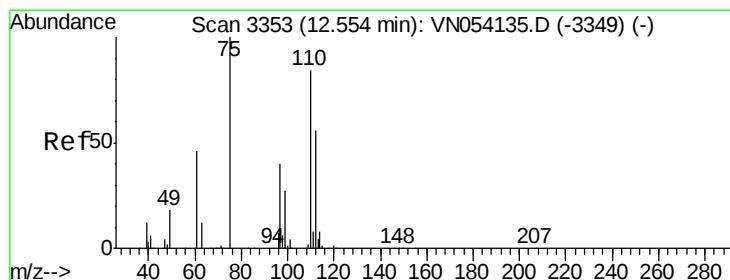
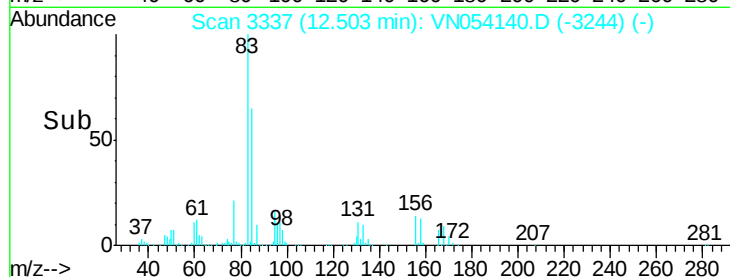
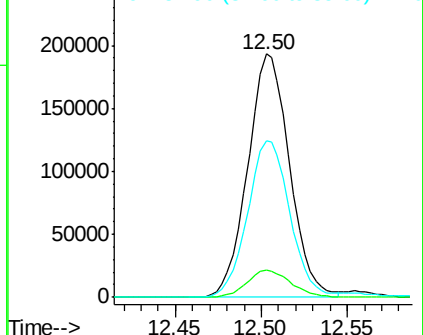
83 100

131 11.7 5.0 14.9

85 65.1 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: 29.547 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054140.D

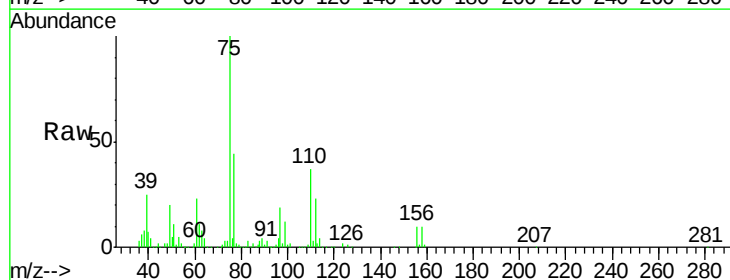
Acq: 11 Mar 2019 13:42

Tgt Ion: 75 Resp: 419798

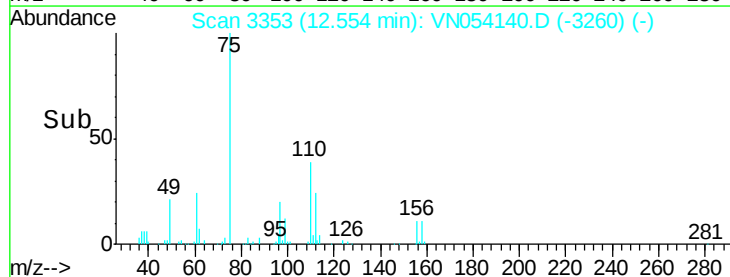
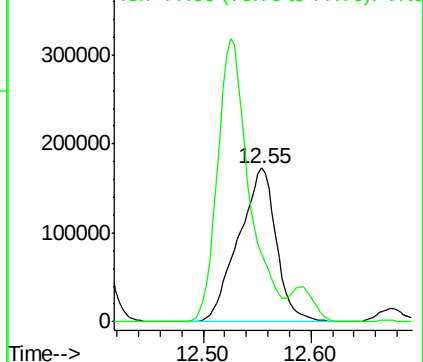
Ion Ratio Lower Upper

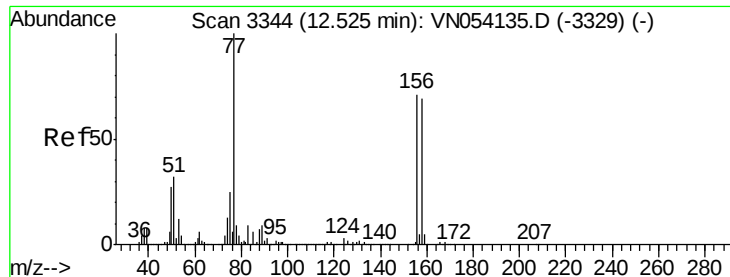
75 100

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: 18.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

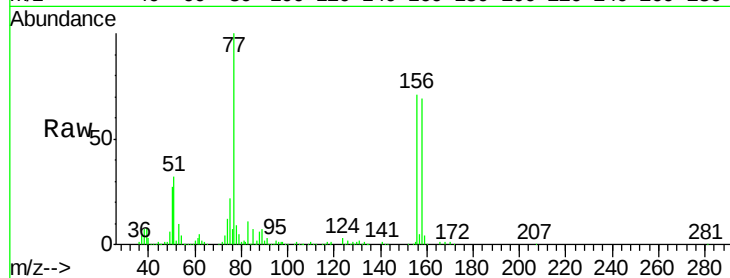
Tot Ion:156 Resp: 393466

Ion Ratio Lower Upper

156 100

77 166.5 93.6 280.8

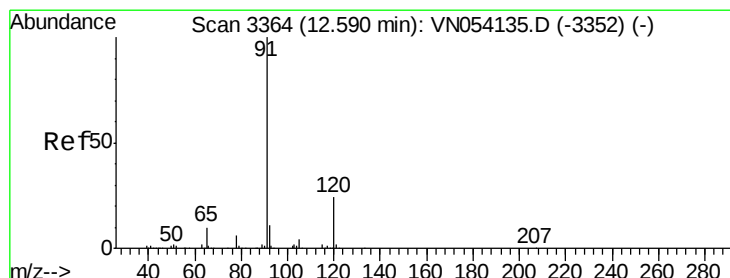
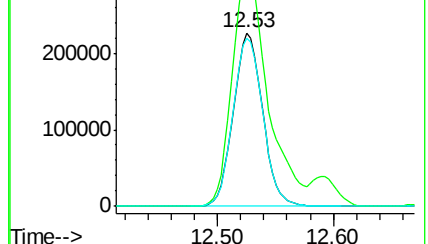
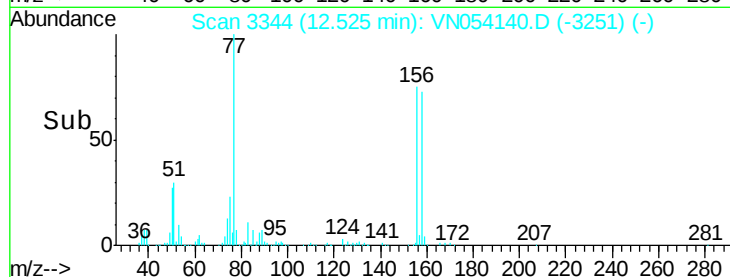
158 99.1 48.4 145.0



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: 19.346 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054140.D

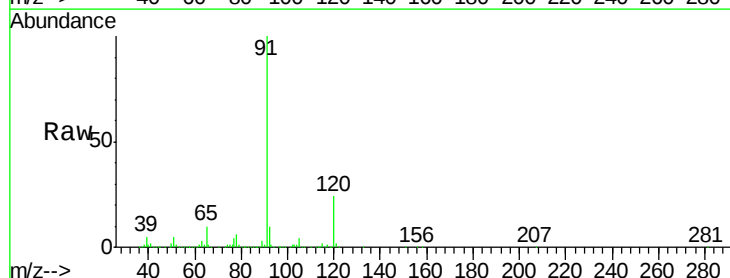
Acq: 11 Mar 2019 13:42

Tgt Ion: 91 Resp: 1656653

Ion Ratio Lower Upper

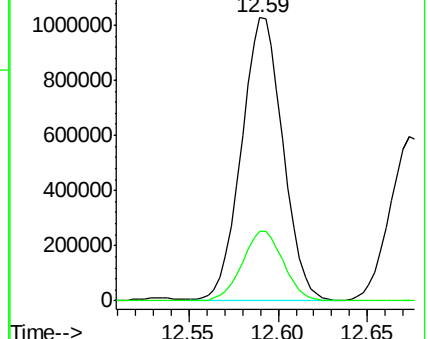
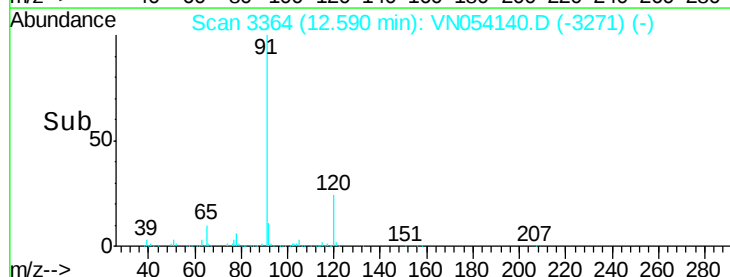
91 100

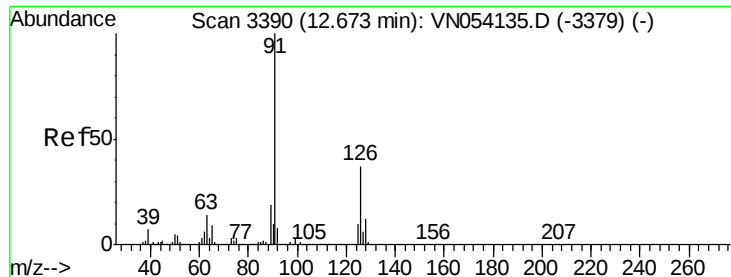
120 24.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.934 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

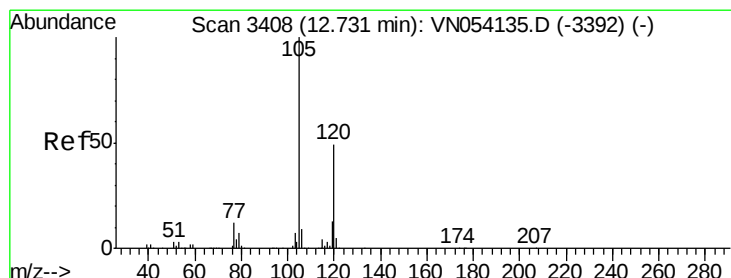
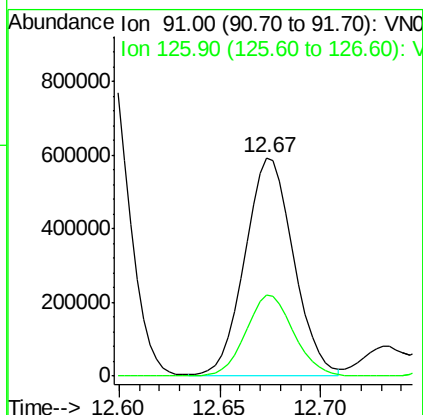
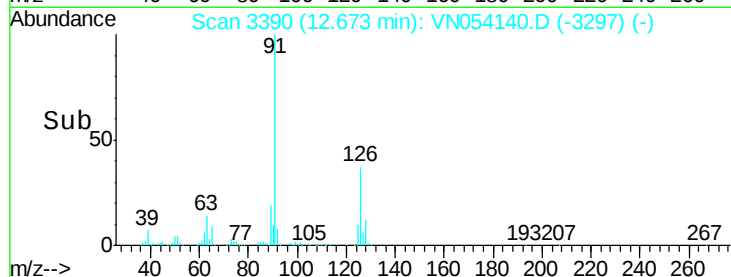
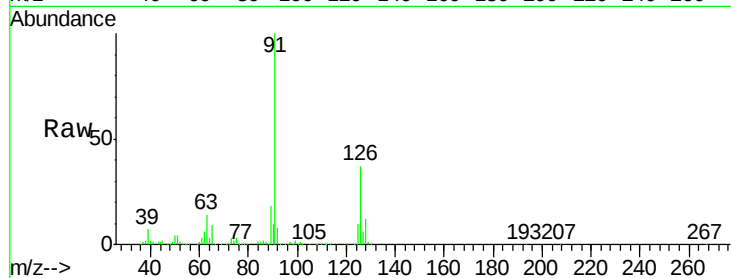
VSTDIC020

Tot Ion: 91 Resp: 992465

Ion Ratio Lower Upper

91 100

126 37.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.791 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054140.D

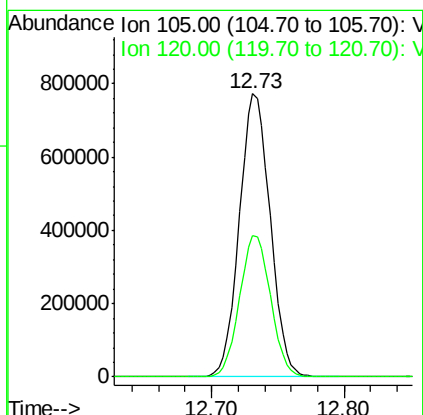
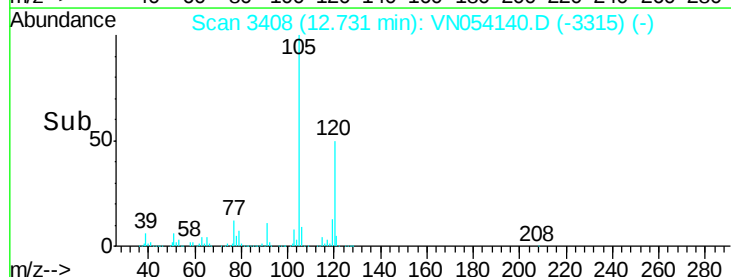
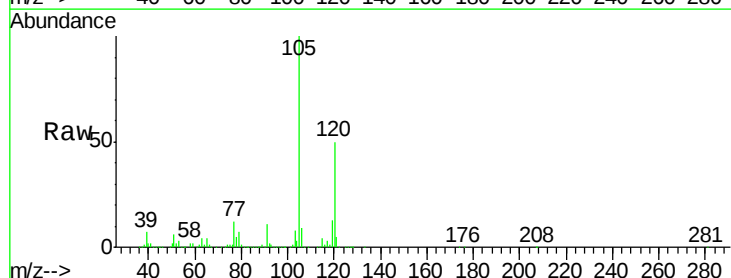
Acq: 11 Mar 2019 13:42

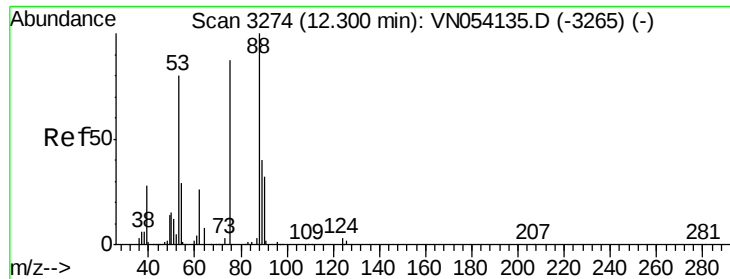
Tgt Ion: 105 Resp: 1246510

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.8

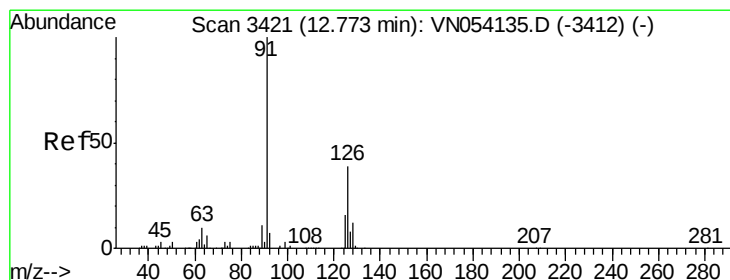
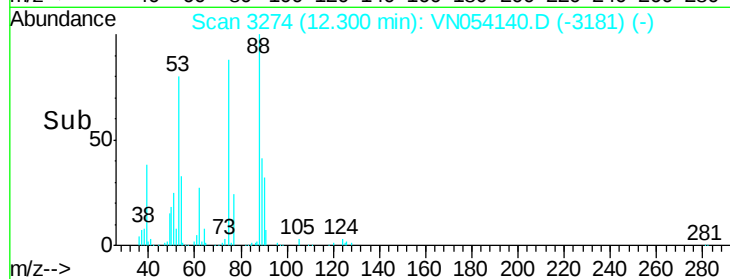
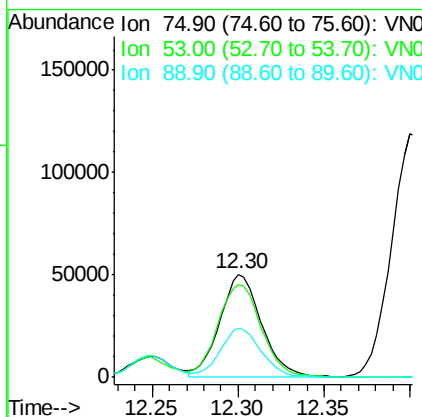
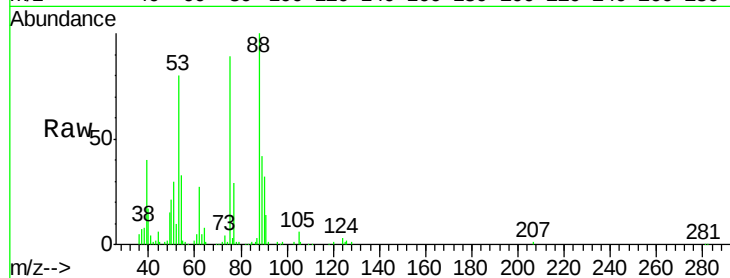




#81
trans-1,4-Dichloro-2-butene
Concen: 17.533 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

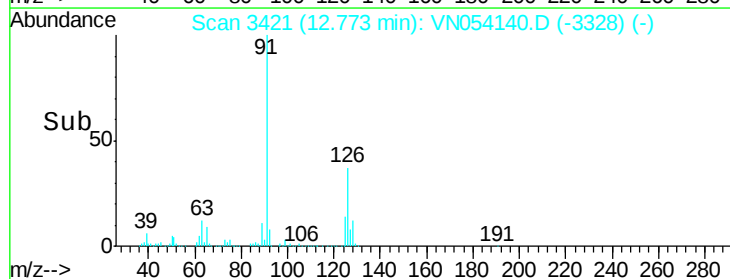
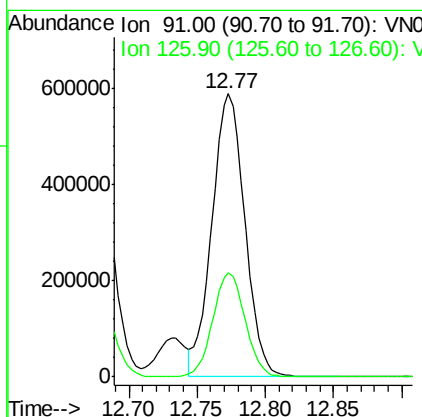
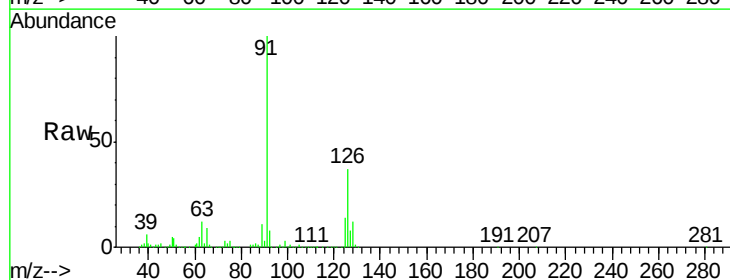
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

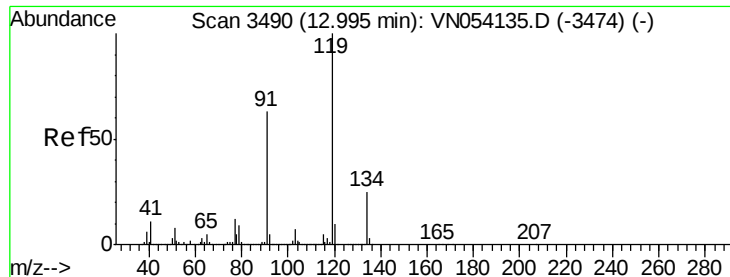
Tot Ion: 75 Resp: 83686
Ion Ratio Lower Upper
75 100
53 96.9 76.4 114.6
89 48.0 35.3 52.9



#82
4-Chlorotoluene
Concen: 19.262 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054140.D
Acq: 11 Mar 2019 13:42

Tgt Ion: 91 Resp: 984371
Ion Ratio Lower Upper
91 100
126 36.2 17.1 51.3

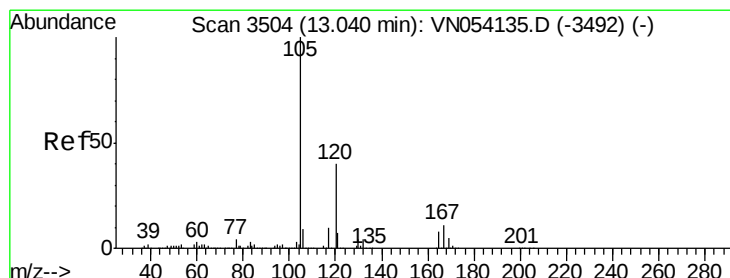
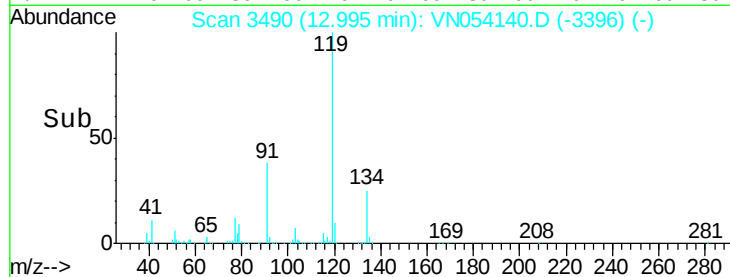
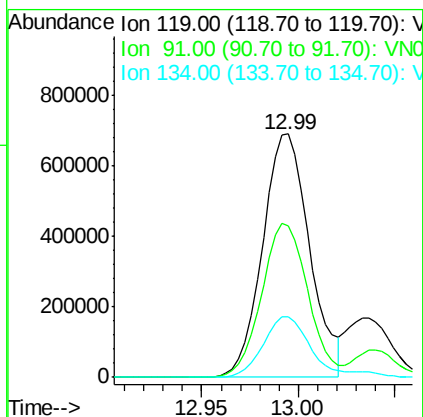
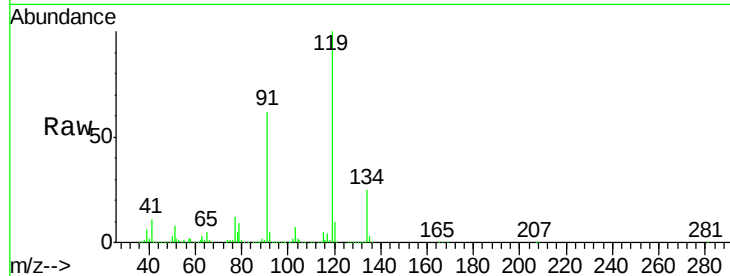




#83
 tert-Butylbenzene
 Concen: 19.044 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

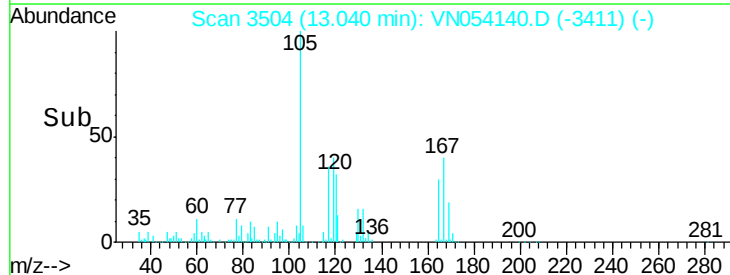
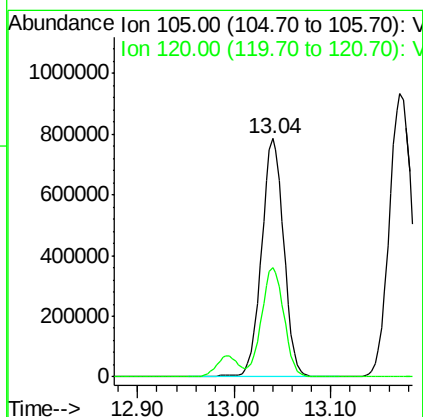
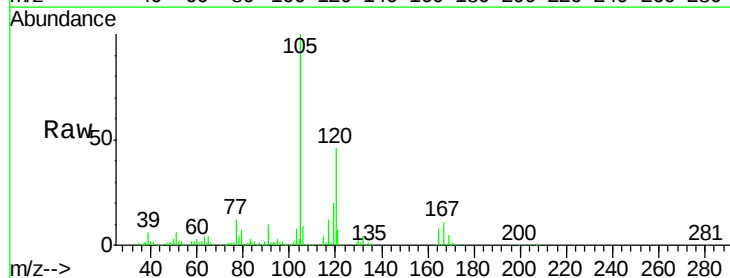
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

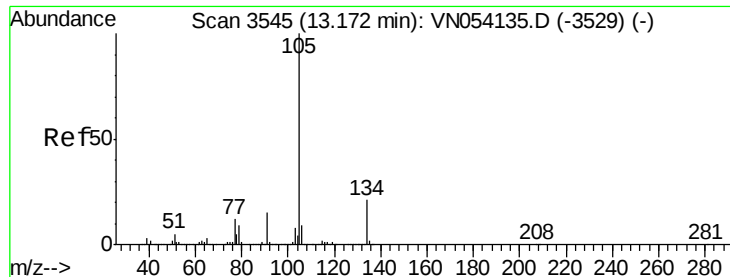
Tot Ion:119 Resp: 1166727
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.8 95.3
 134 26.2 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.211 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion:105 Resp: 1247874
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.254 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

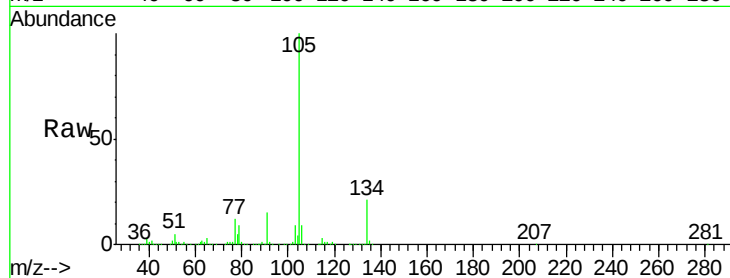
VSTDIC020

Tot Ion:105 Resp: 1528399

Ion Ratio Lower Upper

105 100

134 21.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1000000

800000

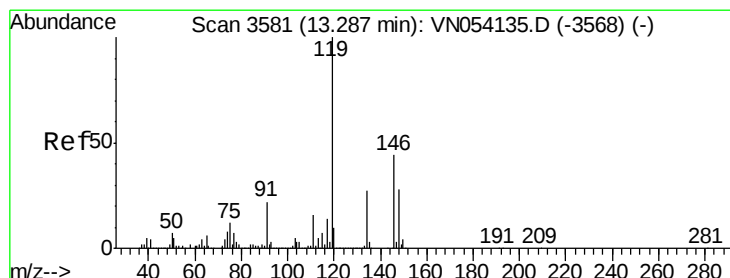
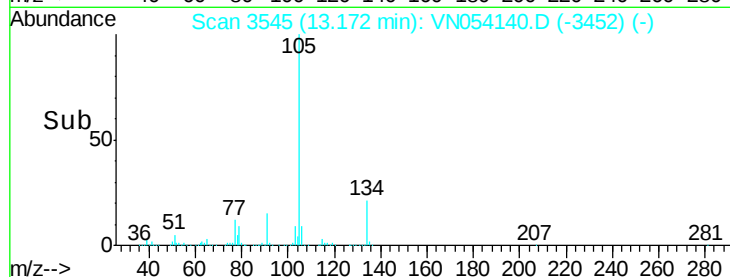
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.053 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

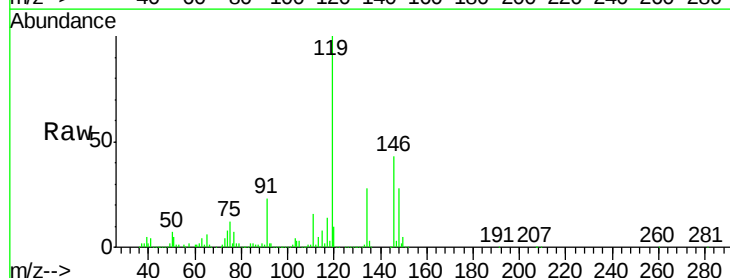
Tgt Ion:119 Resp: 1319777

Ion Ratio Lower Upper

119 100

134 27.7 13.2 39.5

91 22.6 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

13.29

1000000

800000

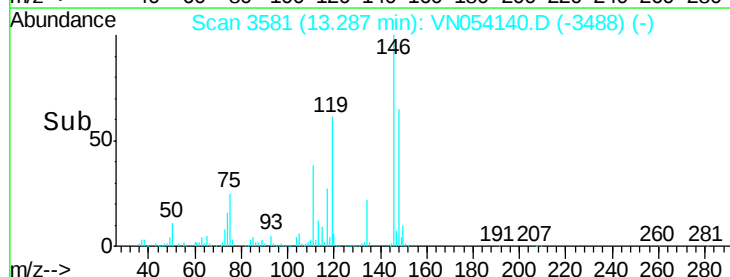
600000

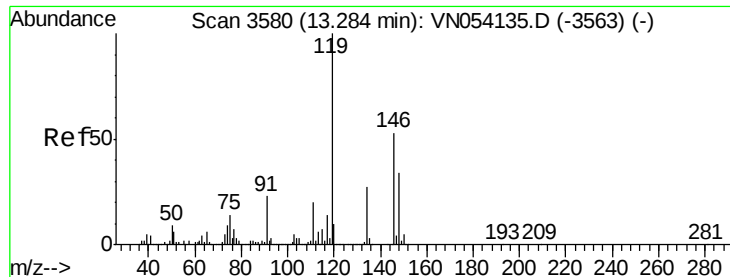
400000

200000

0

Time-->

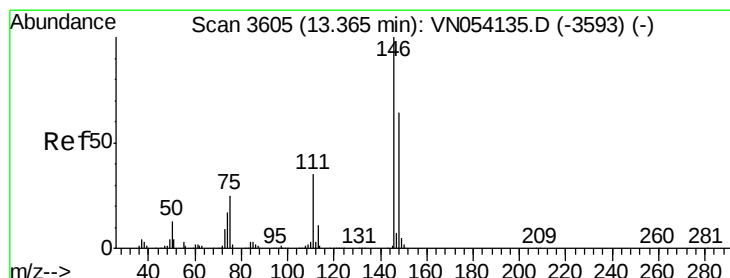
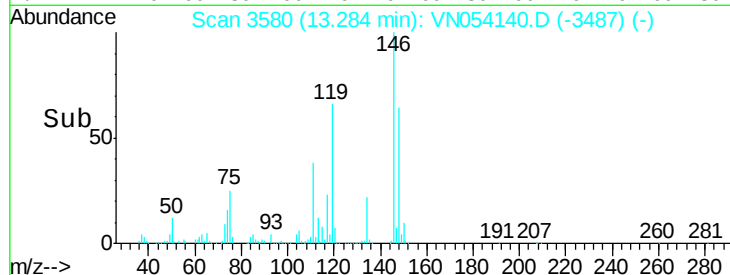
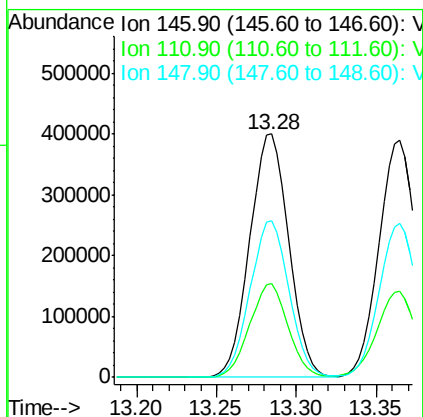
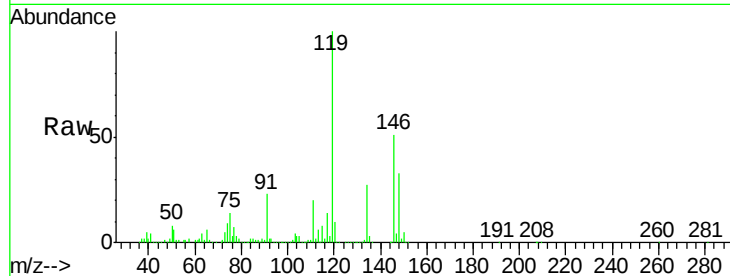




#87
 1,3-Dichlorobenzene
 Concen: 19.233 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

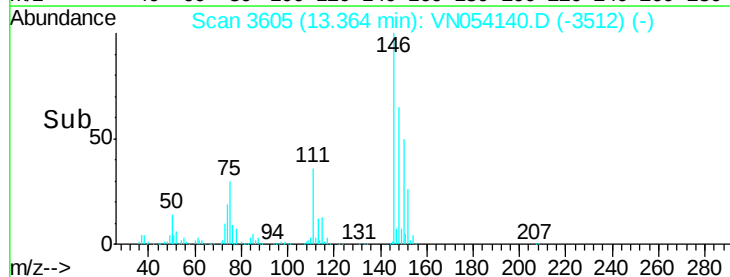
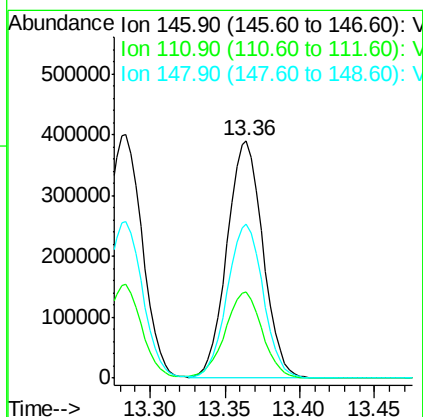
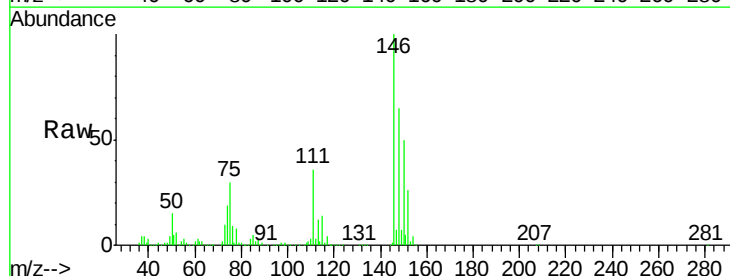
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

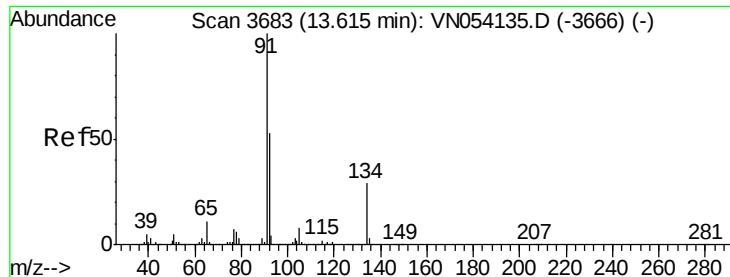
Tot Ion:146 Resp: 669433
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.8
 148 64.1 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 18.939 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion:146 Resp: 650895
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.5
 148 65.4 32.1 96.5





#89

n-Butylbenzene

Concen: 19.410 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

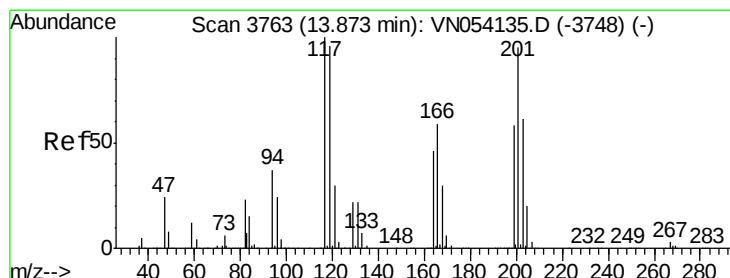
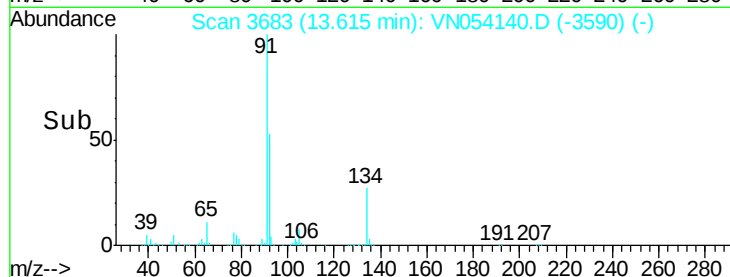
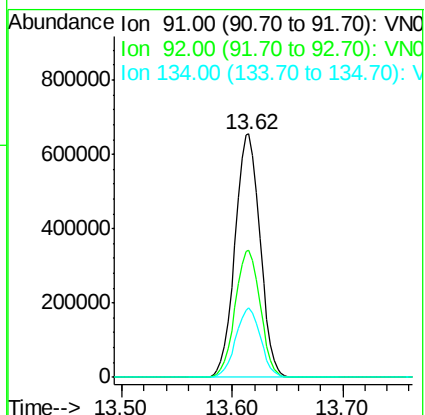
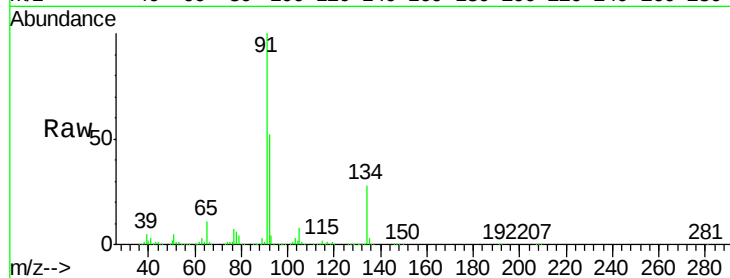
Tot Ion: 91 Resp: 1031132

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

134 28.3 13.1 39.1



#90

Hexachloroethane

Concen: 18.655 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054140.D

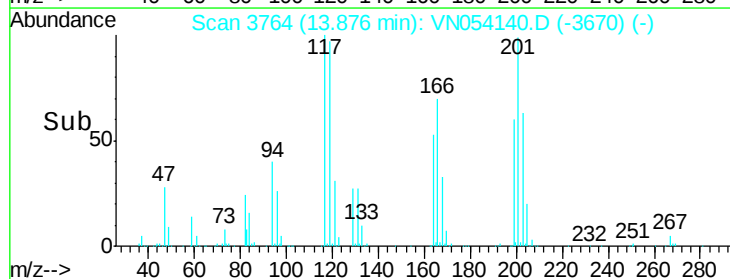
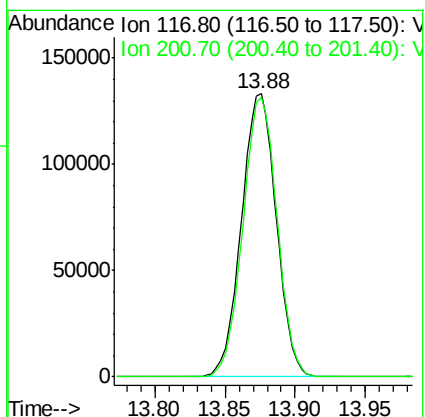
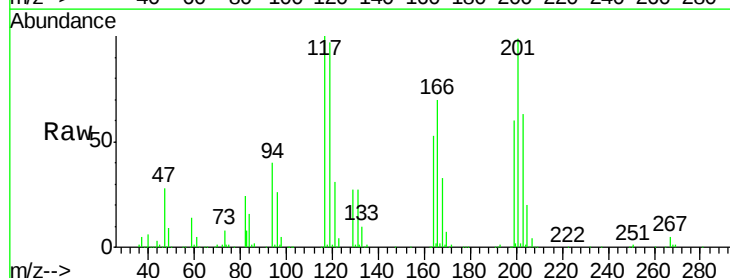
Acq: 11 Mar 2019 13:42

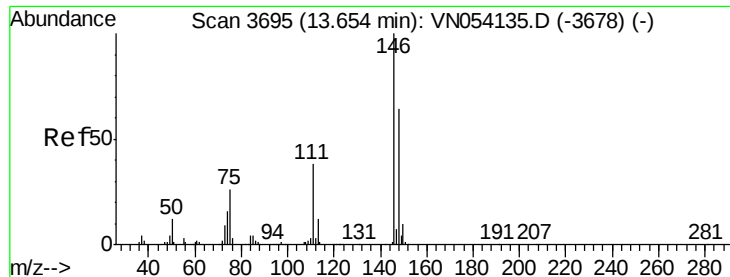
Tgt Ion: 117 Resp: 230746

Ion Ratio Lower Upper

117 100

201 97.0 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 19.319 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

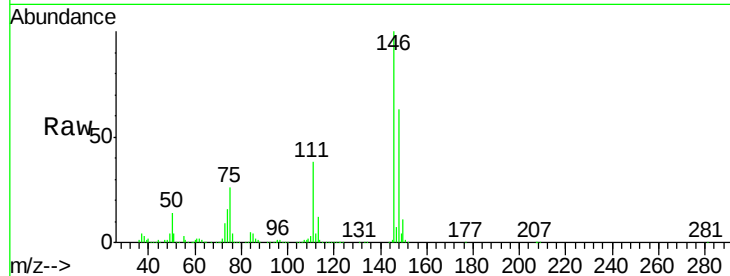
Tot Ion:146 Resp: 660214

Ion Ratio Lower Upper

146 100

111 38.3 20.0 60.0

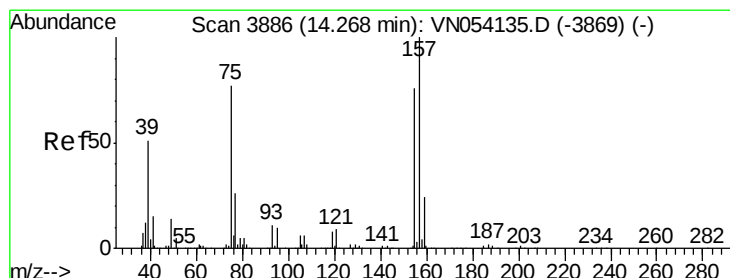
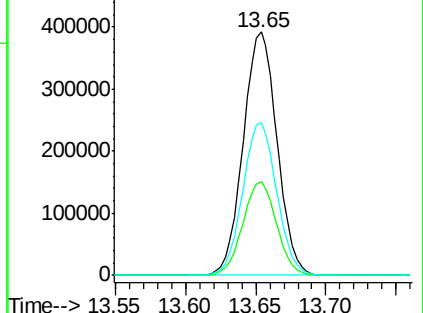
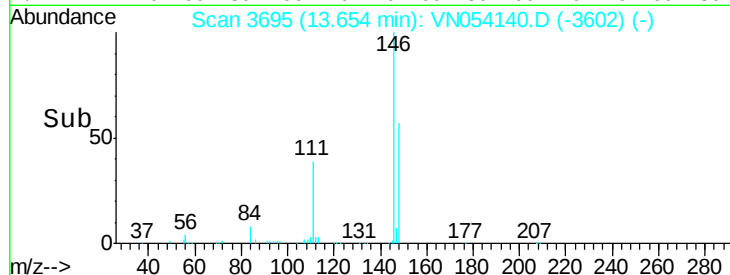
148 63.2 32.3 96.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.772 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

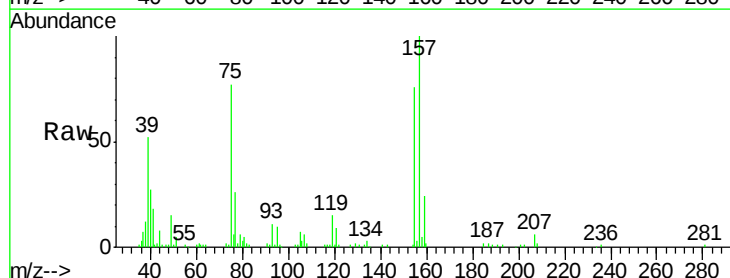
Tgt Ion: 75 Resp: 52989

Ion Ratio Lower Upper

75 100

155 97.3 44.5 133.5

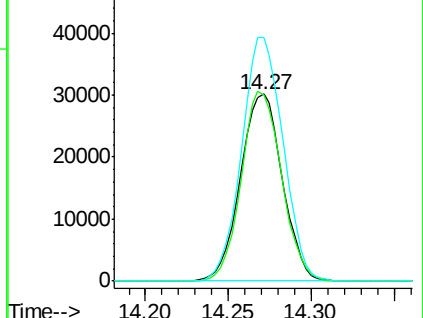
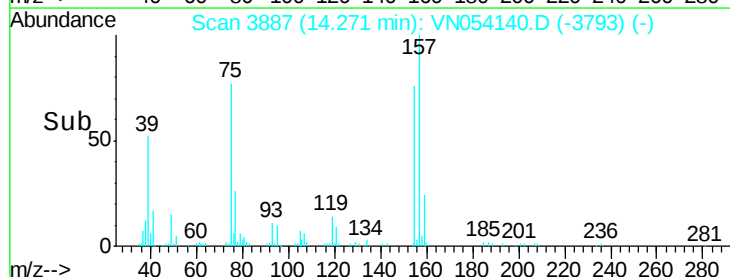
157 128.6 57.2 171.6

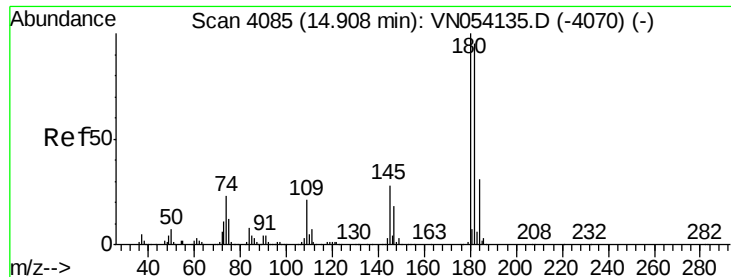


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

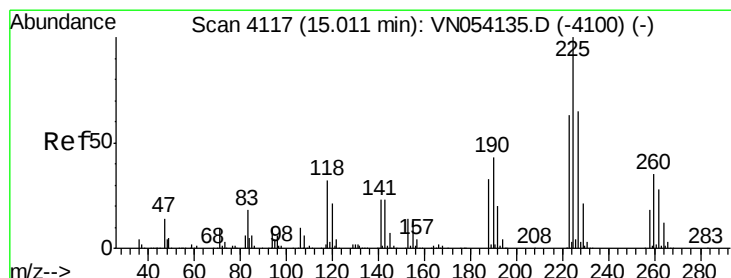
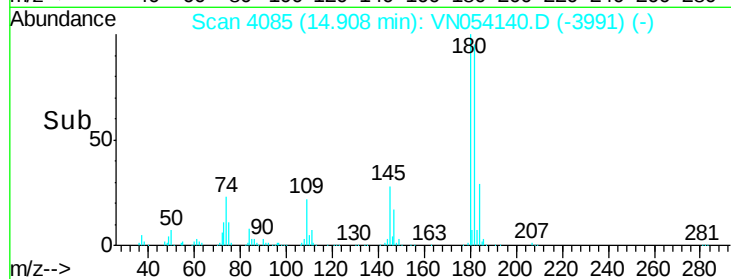
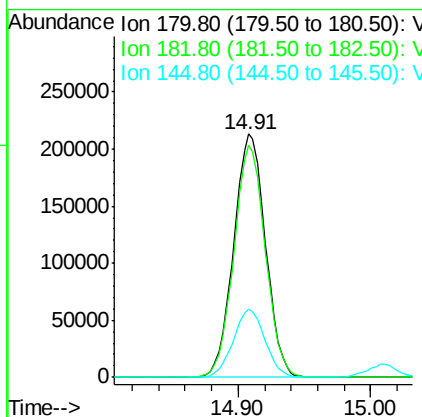
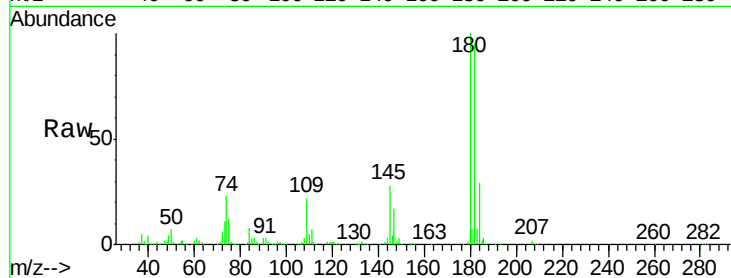




#93
 1,2,4-Trichlorobenzene
 Concen: 19.957 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

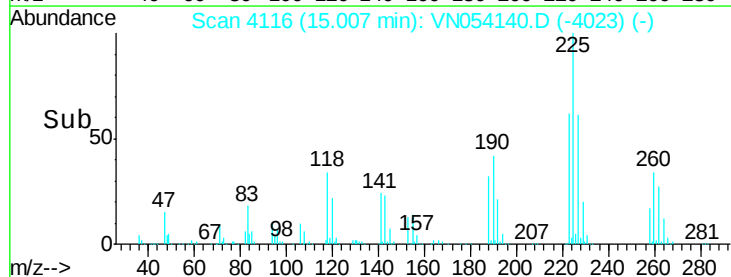
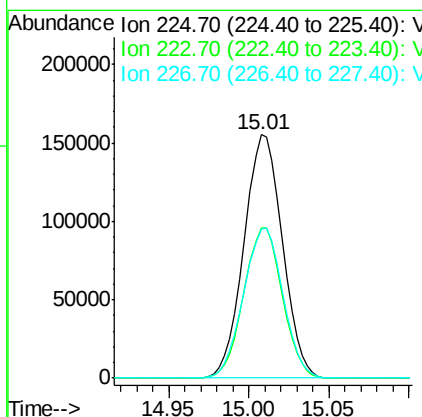
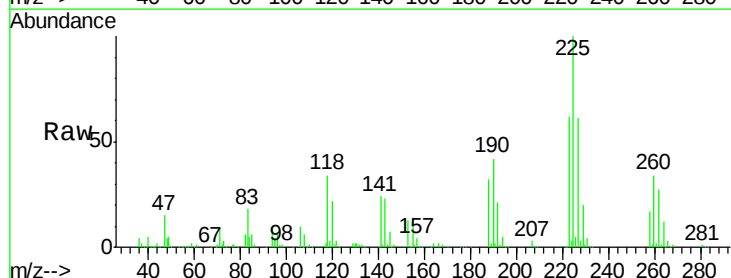
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

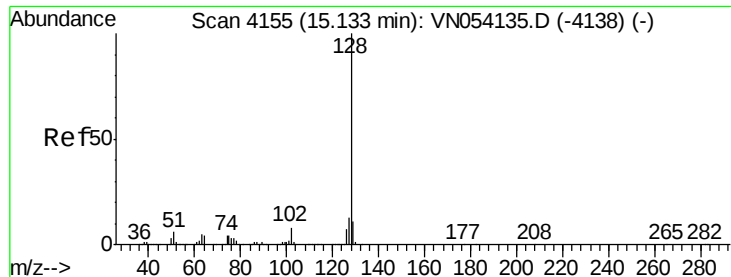
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.3
145	28.0	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 18.855 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054140.D
 Acq: 11 Mar 2019 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.2	93.6
227	63.1	31.9	95.7





#95

Naphthalene

Concen: 18.826 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

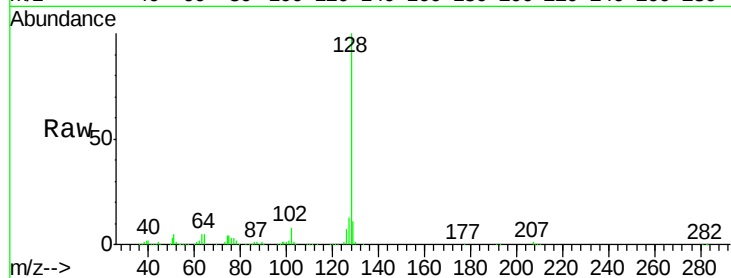
Tot Ion:128 Resp: 708031

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

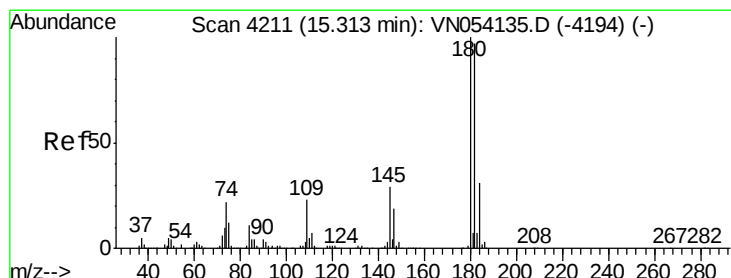
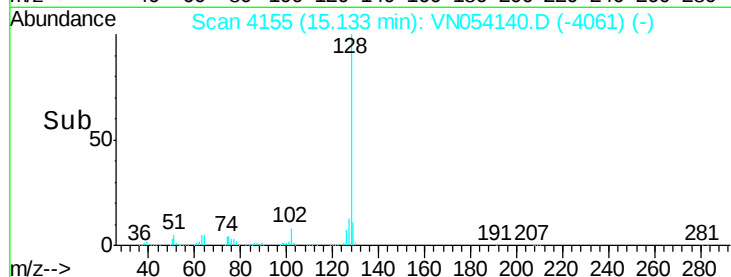
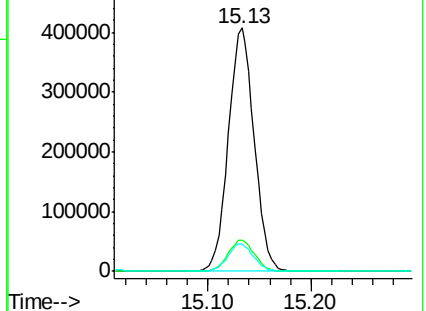
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.293 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054140.D

Acq: 11 Mar 2019 13:42

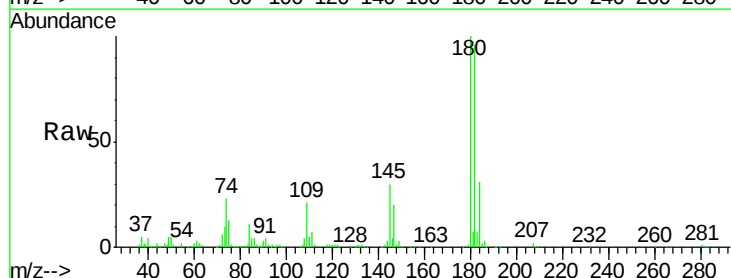
Tgt Ion:180 Resp: 364487

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 30.2 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

