

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054133.D
 Acq On : 11 Mar 2019 10:38
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 12 01:23:20 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	1669991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2538898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2160102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	931200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	97272	5.45	ug/l	0.00
Spiked Amount			Recovery	=	10.90%	
35) Dibromofluoromethane	7.59	113	85642	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
50) Toluene-d8	10.09	98	308962	5.12	ug/l	0.00
Spiked Amount			Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.40	95	100820	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	77631	5.641	ug/l	99
3) Chloromethane	2.06	50	90895	5.550	ug/l	98
4) Vinyl Chloride	2.19	62	102888	5.574	ug/l	98
5) Bromomethane	2.57	94	65808	5.201	ug/l	91
6) Chloroethane	2.71	64	62143	5.415	ug/l	98
7) Trichlorofluoromethane	3.02	101	140094	5.508	ug/l	98
8) Diethyl Ether	3.41	74	54247	5.300	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.75	101	87421	5.338	ug/l	96
10) Methyl Iodide	3.94	142	101108	4.831	ug/l	98
11) Tert butyl alcohol	4.82	59	34961	28.354	ug/l	96
12) 1,1-Dichloroethene	3.73	96	88041	5.564	ug/l	91
13) Acrolein	3.62	56	18005	18.000	ug/l	84
14) Allyl chloride	4.32	41	118983	5.187	ug/l	89
15) Acrylonitrile	5.00	53	132517	26.600	ug/l	98
16) Acetone	3.82	43	141251	18.504	ug/l	98
17) Carbon Disulfide	4.04	76	217600	5.328	ug/l	97
18) Methyl Acetate	4.33	43	51446	4.481	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	227272	5.283	ug/l	96
20) Methylene Chloride	4.55	84	86386	5.378	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	84040	5.408	ug/l	90
22) Diisopropyl ether	5.96	45	218858	5.166	ug/l	94
23) Vinyl Acetate	5.90	43	829537	25.934	ug/l	96
24) 1,1-Dichloroethane	5.84	63	145108	5.284	ug/l	96
25) 2-Butanone	6.85	43	160574	26.952	ug/l	95
26) 2,2-Dichloropropane	6.82	77	131926	5.202	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	95479	5.371	ug/l	93
28) Bromochloromethane	7.19	49	64142	5.371	ug/l #	76
29) Tetrahydrofuran	7.22	42	101891	26.618	ug/l	89
30) Chloroform	7.37	83	150836	5.187	ug/l	97
31) Cyclohexane	7.65	56	151730	5.533	ug/l #	70
32) 1,1,1-Trichloroethane	7.57	97	138442	5.259	ug/l	97
36) 1,1-Dichloropropene	7.79	75	111373	5.040	ug/l	96
37) Ethyl Acetate	6.94	43	72104	5.032	ug/l	96
38) Carbon Tetrachloride	7.77	117	122725	5.010	ug/l	98

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 12 01:23:20 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)
39) Methylcyclohexane	9.08	83	139241	5.118	ug/l	96
40) Benzene	8.04	78	318155	5.011	ug/l	100
41) Methacrylonitrile	7.18	41	36911	4.948	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	114179	5.216	ug/l	98
43) Isopropyl Acetate	8.17	43	116391	4.886	ug/l #	90
44) Trichloroethene	8.83	130	99827	5.094	ug/l	100
45) 1,2-Dichloropropane	9.12	63	81307	5.011	ug/l	99
46) Dibromomethane	9.21	93	56224	5.108	ug/l	92
47) Bromodichloromethane	9.40	83	113868	4.990	ug/l #	98
48) Methyl methacrylate	9.20	41	63154	4.932	ug/l	95
49) 1,4-Dioxane	9.21	88	18422	110.883	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	316493	24.773	ug/l	98
52) Toluene	10.16	92	205209	5.048	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	113217	4.873	ug/l	92
54) cis-1,3-Dichloropropene	9.84	75	125990	4.829	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	75874	4.950	ug/l	97
56) Ethyl methacrylate	10.43	69	90318	4.814	ug/l	94
57) 1,3-Dichloropropane	10.71	76	124863	5.033	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	178708	25.801	ug/l #	90
59) 2-Hexanone	10.75	43	211098	24.897	ug/l	96
60) Dibromochloromethane	10.90	129	85645	4.824	ug/l	100
61) 1,2-Dibromoethane	11.01	107	77895	5.057	ug/l	99
64) Tetrachloroethene	10.63	164	108823	5.471	ug/l	97
65) Chlorobenzene	11.43	112	229400	5.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89417	5.193	ug/l	96
67) Ethyl Benzene	11.51	91	389452	5.119	ug/l	98
68) m/p-Xylenes	11.62	106	305834	10.279	ug/l	98
69) o-Xylene	11.95	106	153654	5.261	ug/l	96
70) Styrene	11.96	104	221014	4.885	ug/l	100
71) Bromoform	12.13	173	56976	4.775	ug/l #	100
73) Isopropylbenzene	12.25	105	402760	5.438	ug/l	98
74) N-amyl acetate	12.07	43	83777	4.966	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	85347	5.325	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	109325	8.314	ug/l #	100
77) Bromobenzene	12.53	156	102277	5.305	ug/l	90
78) n-propylbenzene	12.59	91	418456	5.280	ug/l	96
79) 2-Chlorotoluene	12.67	91	257544	5.308	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	332535	5.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20533	4.648	ug/l	87
82) 4-Chlorotoluene	12.77	91	246632	5.214	ug/l	96
83) tert-Butylbenzene	12.99	119	311380	5.491	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	315430	5.247	ug/l	97
85) sec-Butylbenzene	13.17	105	397471	5.410	ug/l	97
86) p-Isopropyltoluene	13.29	119	337518	5.264	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	164280	5.099	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162205	5.099	ug/l	97
89) n-Butylbenzene	13.61	91	247152	5.027	ug/l	99
90) Hexachloroethane	13.87	117	59147	5.166	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	166713	5.271	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14918	5.406	ug/l	99

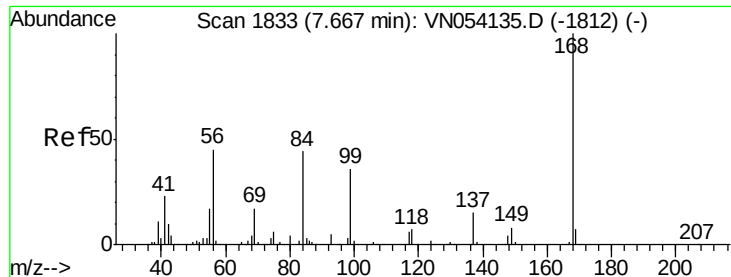
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
Data File : VN054133.D
Acq On : 11 Mar 2019 10:38
Operator : JC/SP
Sample : VSTDICC005
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 12 01:23:20 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)
93) 1,2,4-Trichlorobenzene	14.91	180	68344	4.166	ug/l	99
94) Hexachlorobutadiene	15.01	225	68101	5.444	ug/l	97
95) Naphthalene	15.13	128	145485	4.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	74434	4.477	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: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

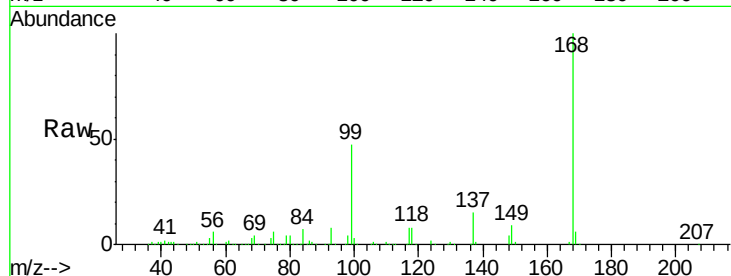
VSTDIC005

Tot Ion:168 Resp: 1669991

Ion Ratio Lower Upper

168 100

99 46.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

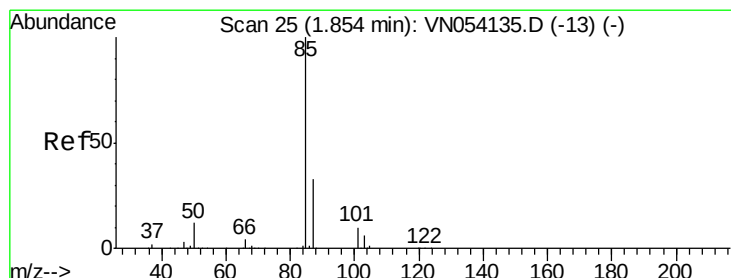
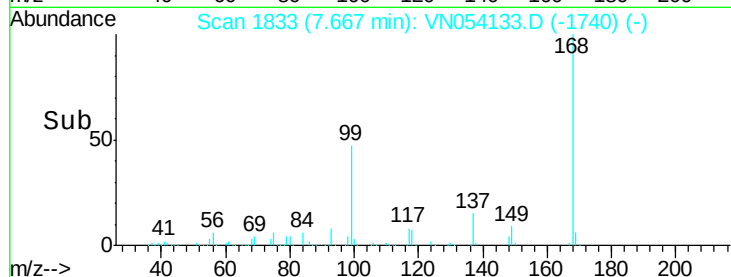
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 5.641 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054133.D

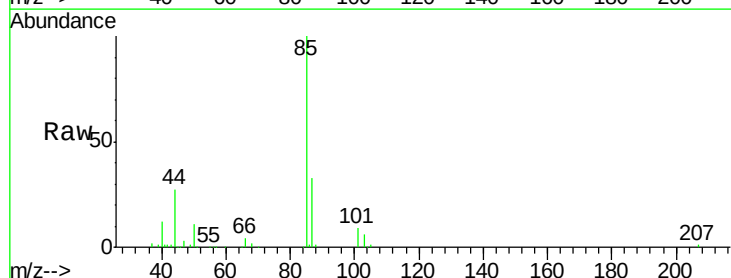
Acq: 11 Mar 2019 10:38

Tgt Ion: 85 Resp: 77631

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

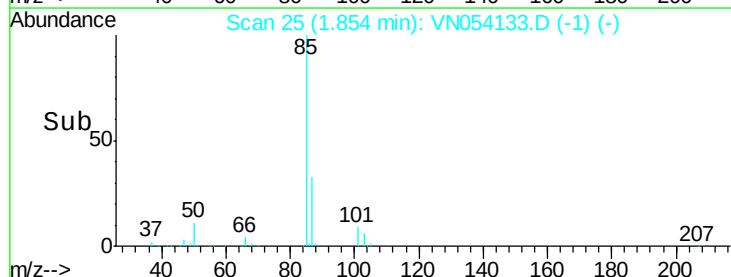
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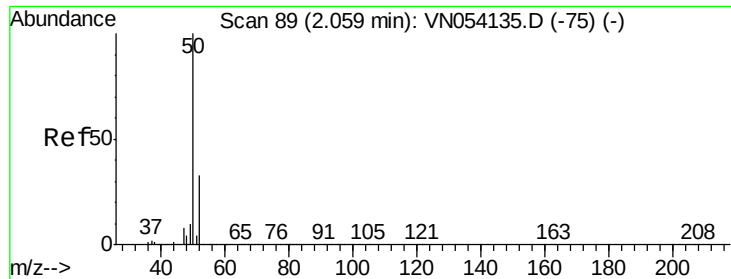
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 5.550 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

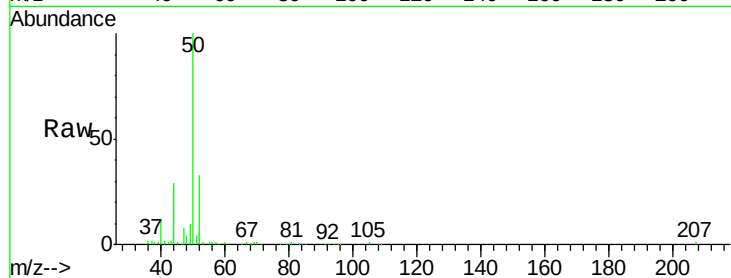
VSTDIC005

Tot Ion: 50 Resp: 90895

Ion Ratio Lower Upper

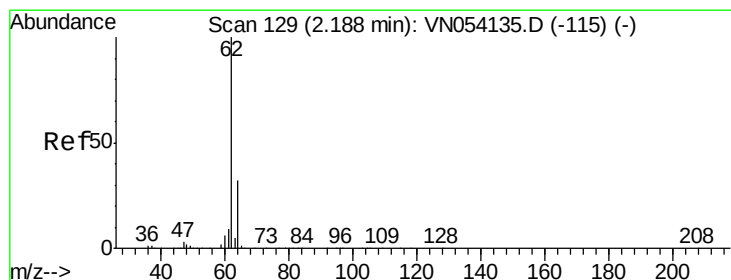
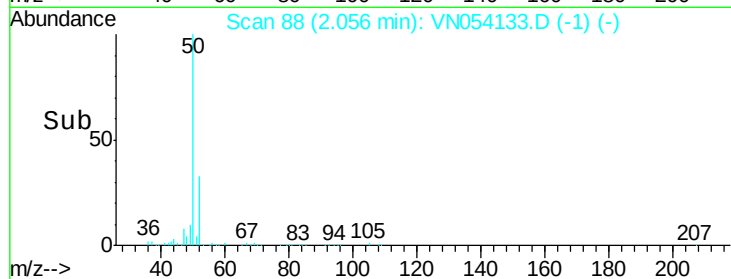
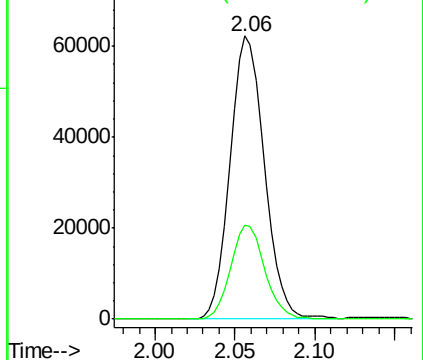
50 100

52 33.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.574 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054133.D

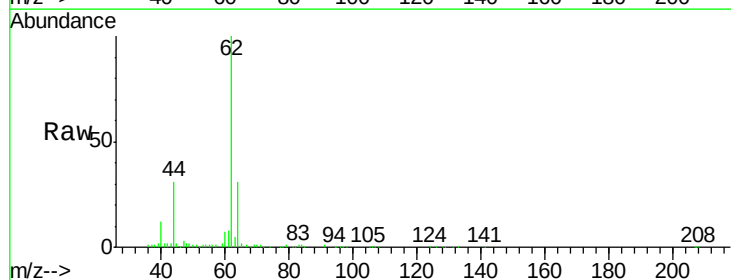
Acq: 11 Mar 2019 10:38

Tgt Ion: 62 Resp: 102888

Ion Ratio Lower Upper

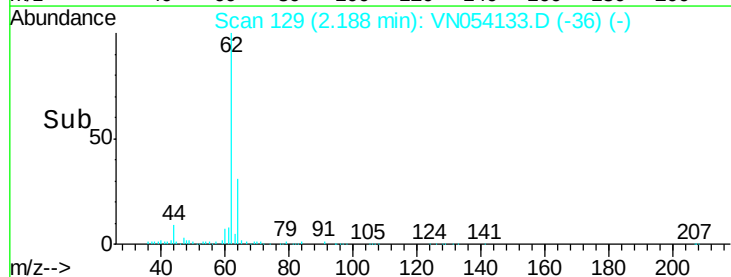
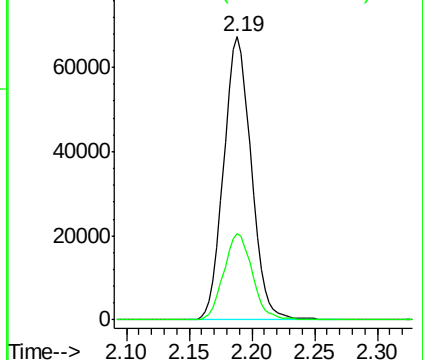
62 100

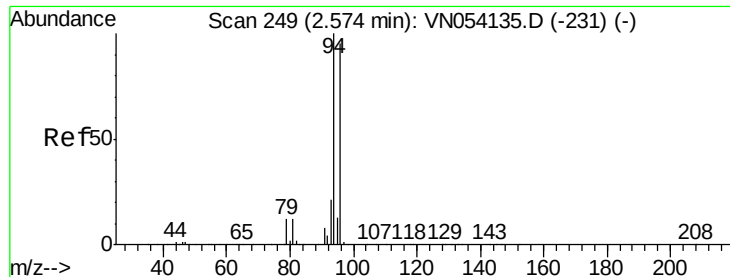
64 30.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.201 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

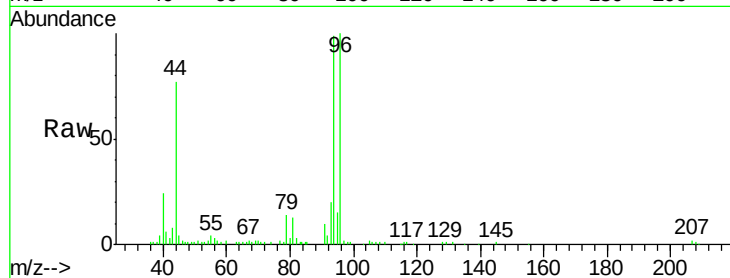
VSTDIC005

Tot Ion: 94 Resp: 65808

Ion Ratio Lower Upper

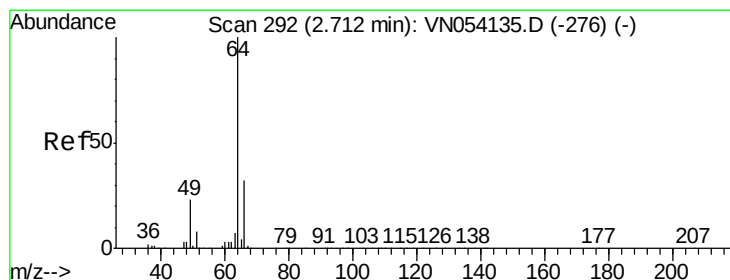
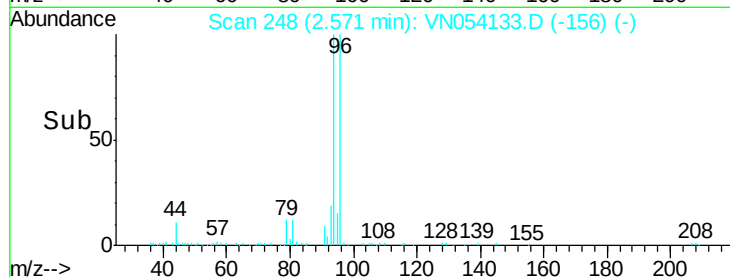
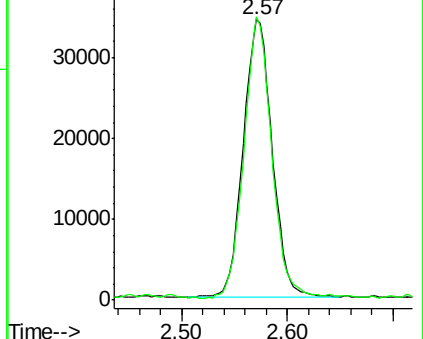
94 100

96 101.1 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.415 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054133.D

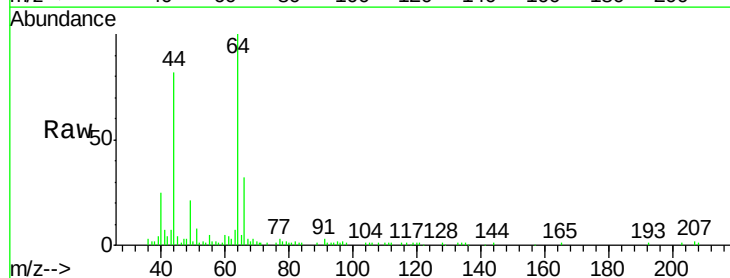
Acq: 11 Mar 2019 10:38

Tgt Ion: 64 Resp: 62143

Ion Ratio Lower Upper

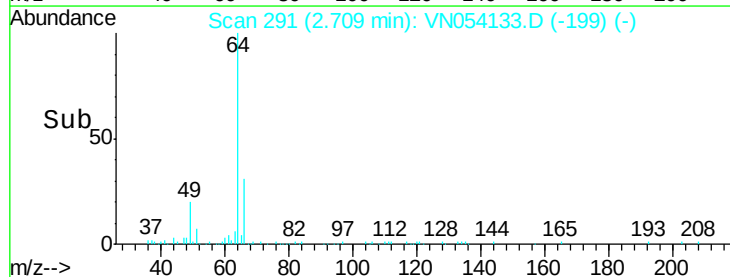
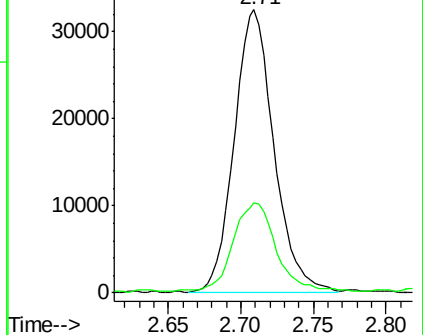
64 100

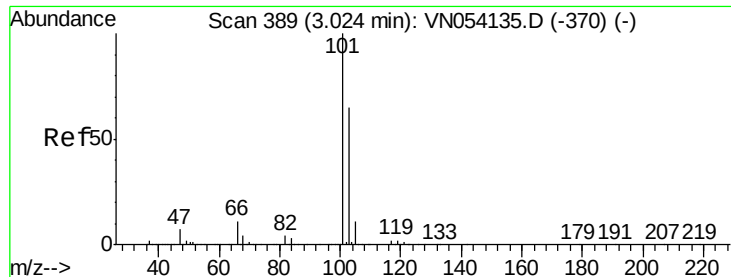
66 30.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



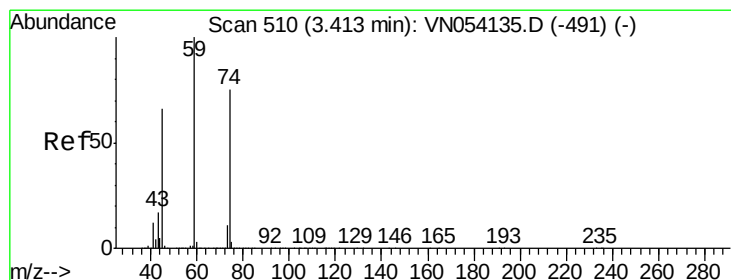
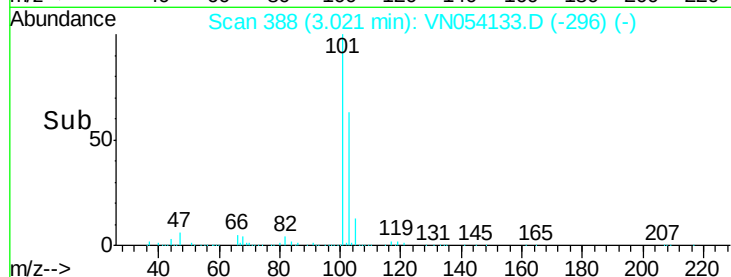
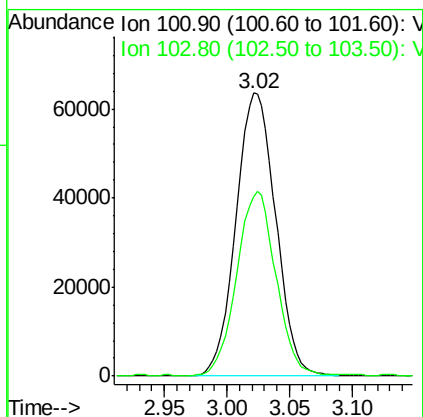
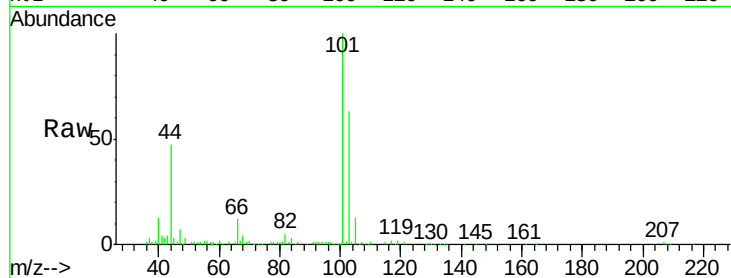


#7

Trichlorofluoromethane
Concen: 5.508 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

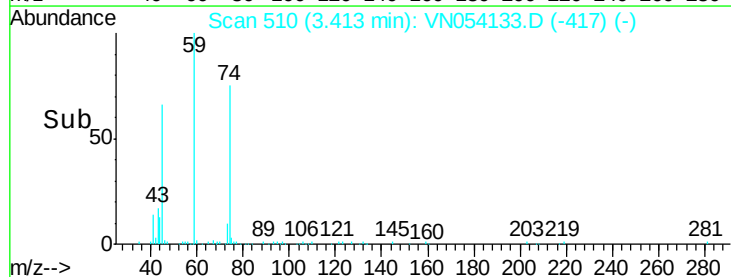
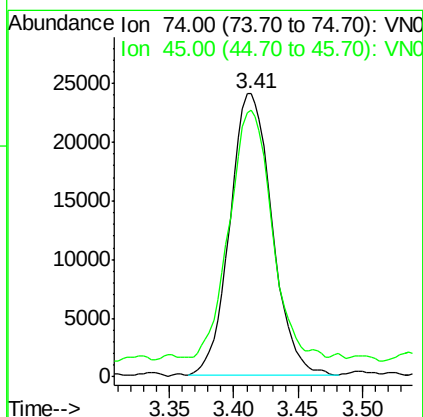
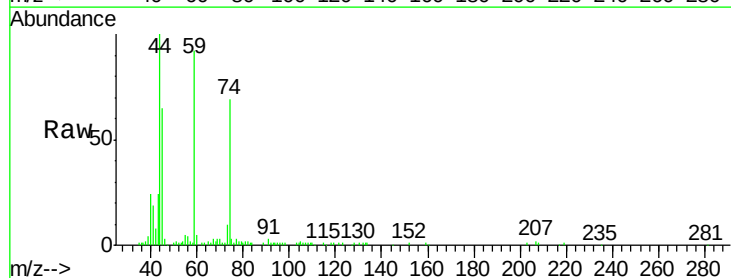
Tot Ion:101 Resp: 140094
Ion Ratio Lower Upper
101 100
103 63.2 52.0 78.0

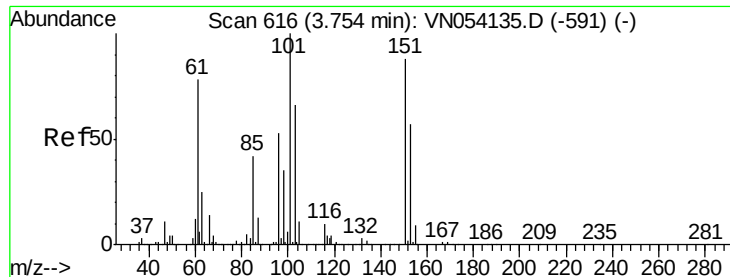


#8

Diethyl Ether
Concen: 5.300 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 74 Resp: 54247
Ion Ratio Lower Upper
74 100
45 87.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.338 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

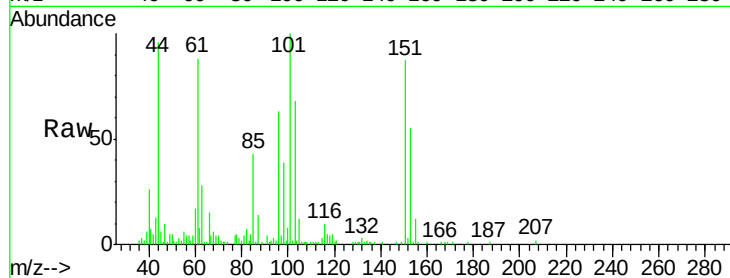
Tot Ion:101 Resp: 87421

Ion Ratio Lower Upper

101 100

85 40.7 33.1 49.7

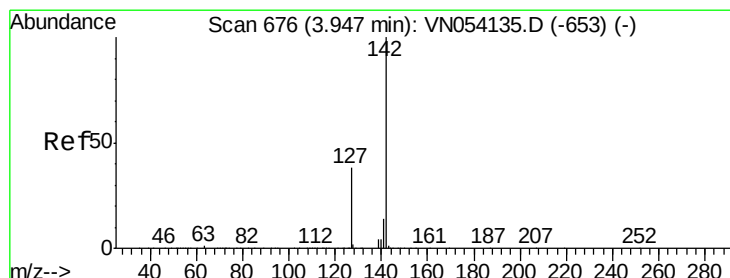
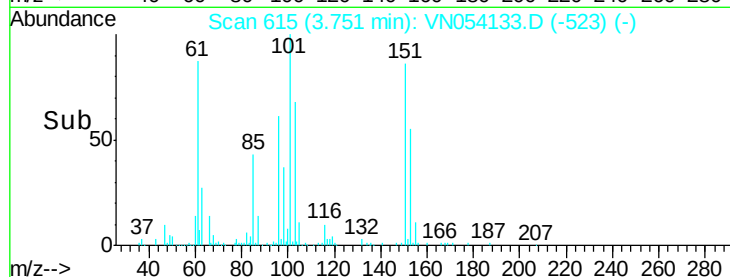
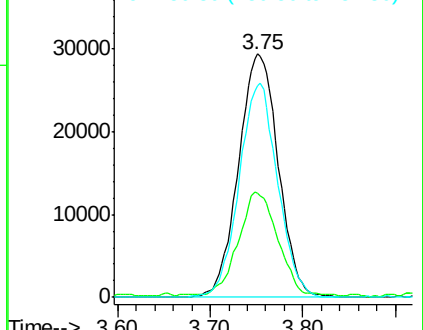
151 85.3 64.3 96.5



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: 4.831 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

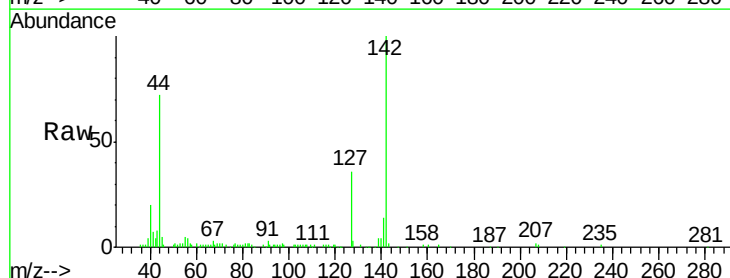
Tgt Ion:142 Resp: 101108

Ion Ratio Lower Upper

142 100

127 38.3 31.9 47.9

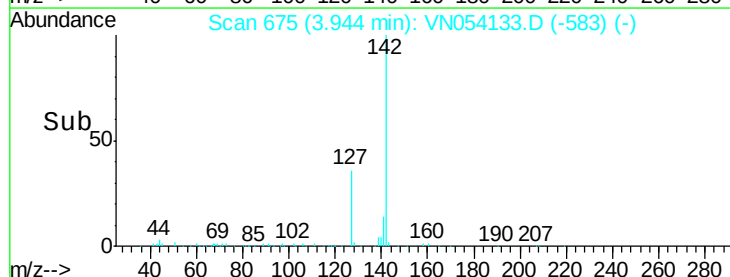
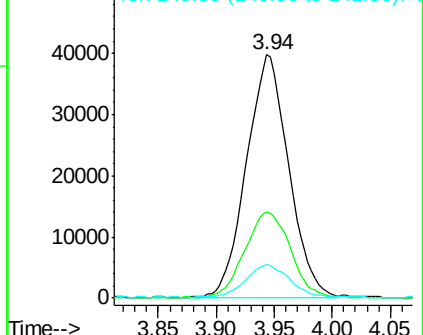
141 14.6 11.4 17.0

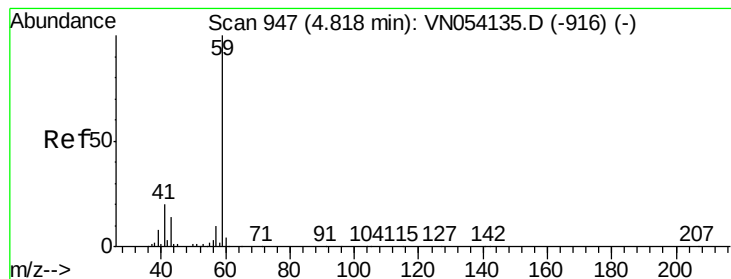


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 28.354 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

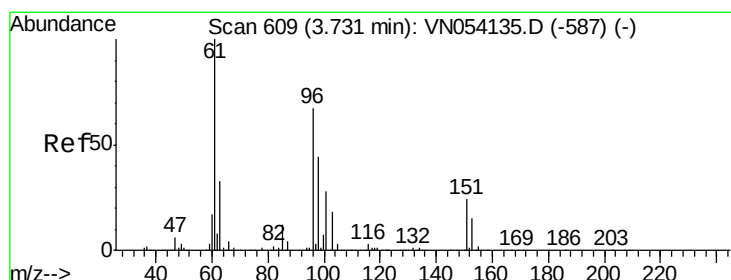
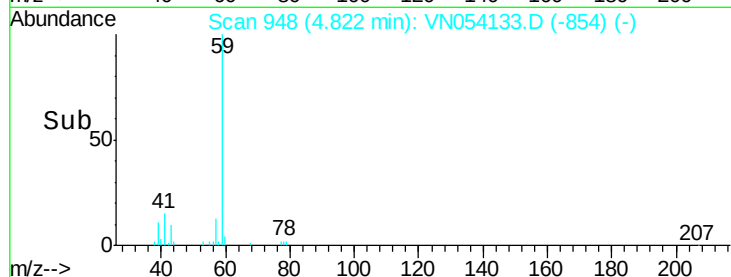
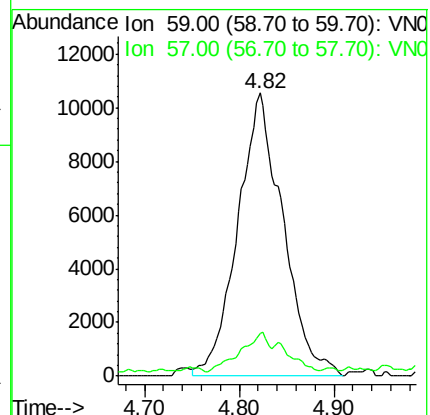
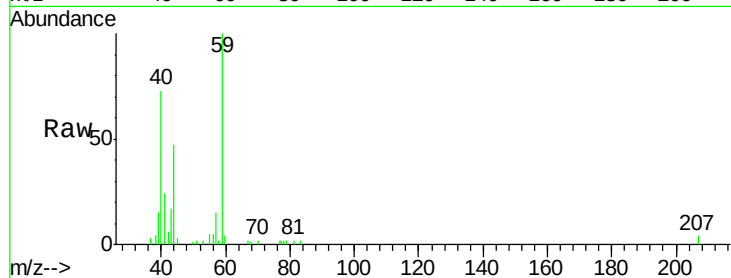
VSTDIC005

Tot Ion: 59 Resp: 34961

Ion Ratio Lower Upper

59 100

57 8.8 8.2 12.4



#12

1,1-Dichloroethene

Concen: 5.564 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

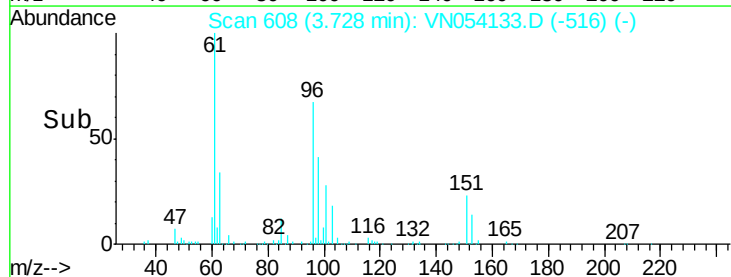
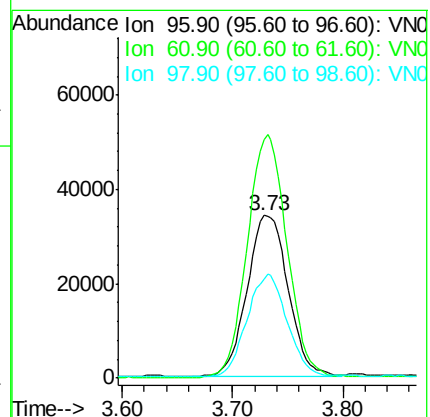
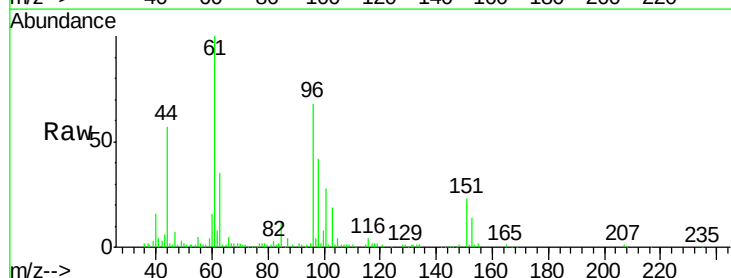
Tgt Ion: 96 Resp: 88041

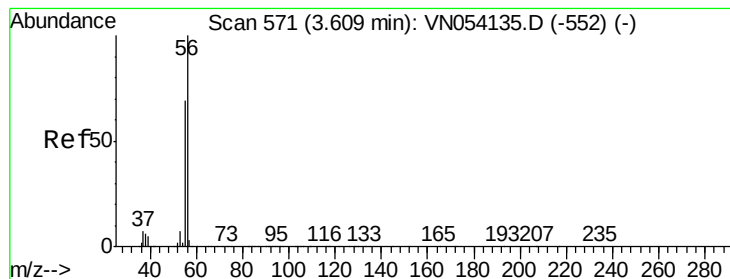
Ion Ratio Lower Upper

96 100

61 148.6 131.2 196.8

98 60.6 50.7 76.1





#13

Acrolein

Concen: 18.000 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

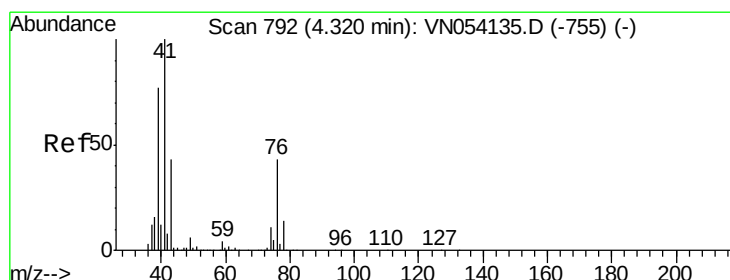
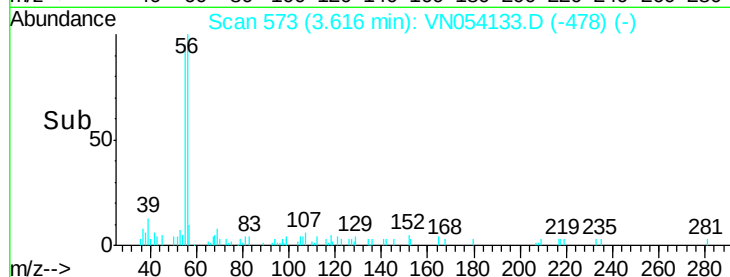
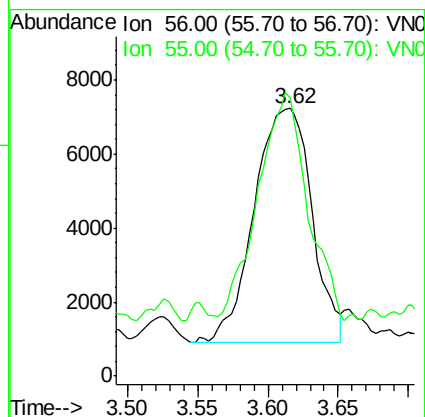
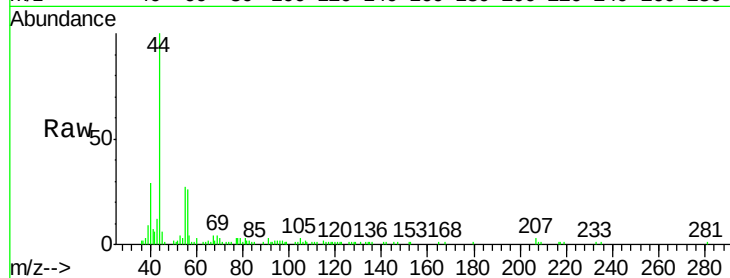
VSTDIC005

Tot Ion: 56 Resp: 18005

Ion Ratio Lower Upper

56 100

55 84.7 57.1 85.7



#14

Allyl chloride

Concen: 5.187 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

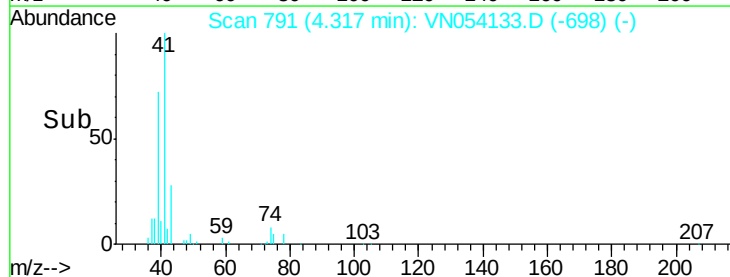
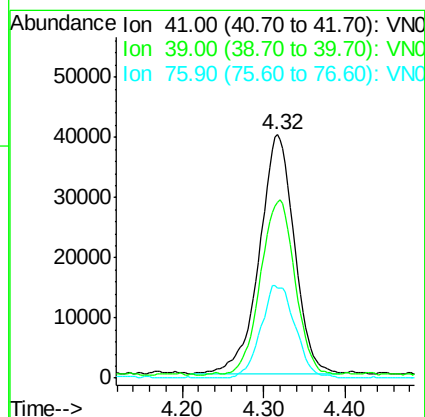
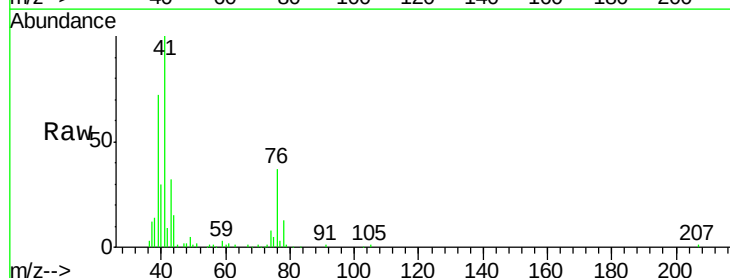
Tgt Ion: 41 Resp: 118983

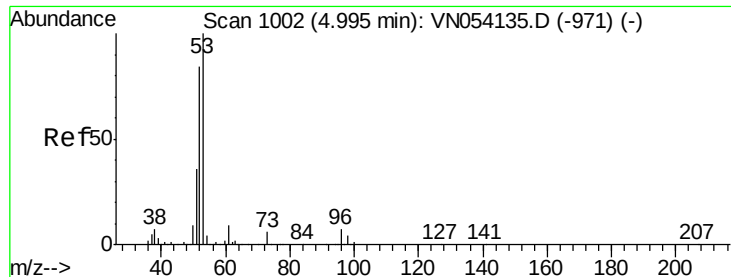
Ion Ratio Lower Upper

41 100

39 70.9 49.3 73.9

76 38.0 26.5 39.7





#15

Acrylonitrile

Concen: 26.600 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

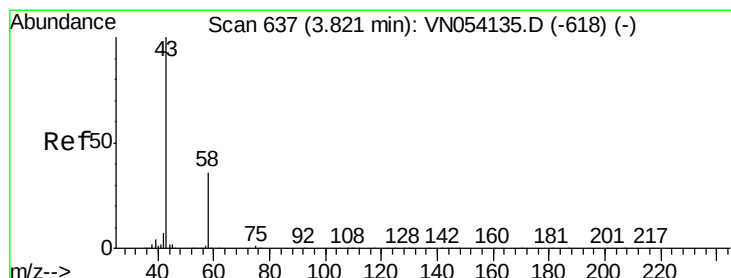
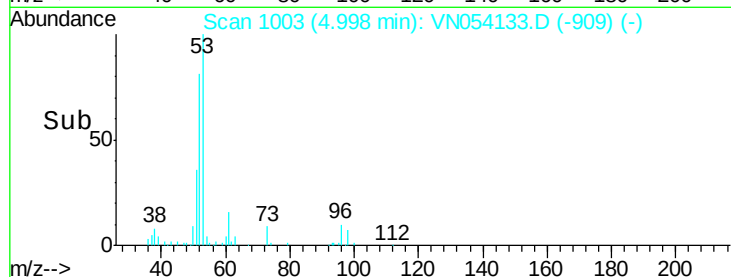
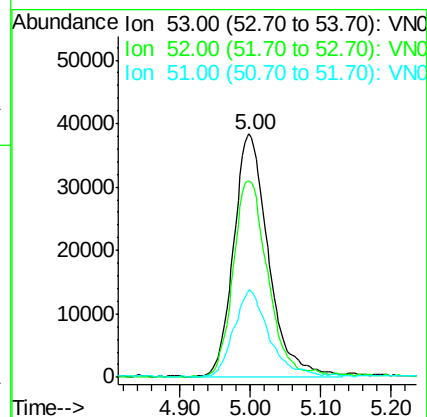
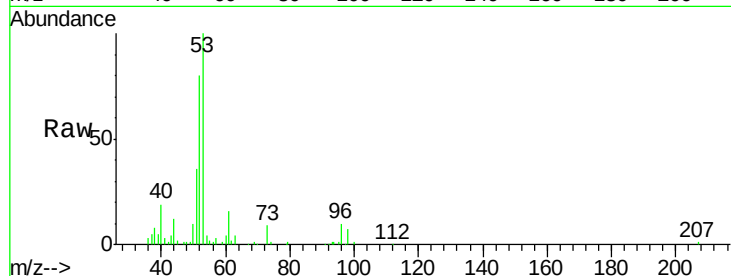
Tot Ion: 53 Resp: 132517

Ion Ratio Lower Upper

53 100

52 79.1 64.6 97.0

51 36.4 28.6 42.8



#16

Acetone

Concen: 18.504 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054133.D

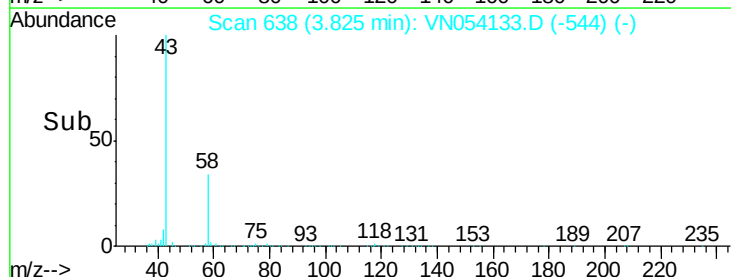
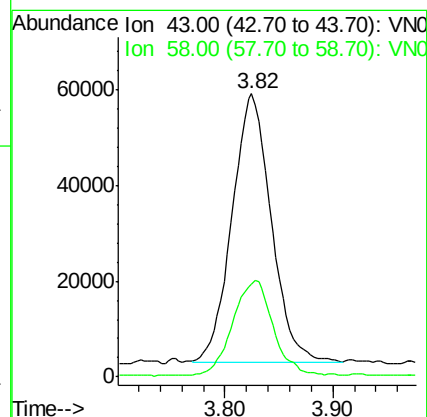
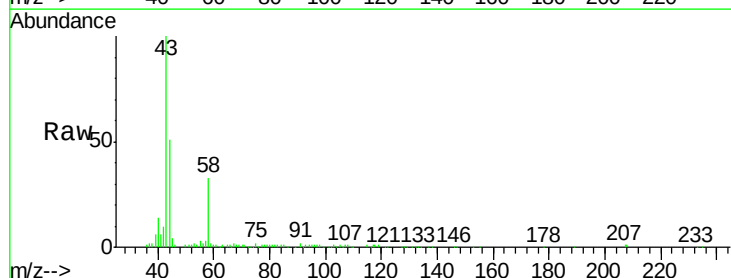
Acq: 11 Mar 2019 10:38

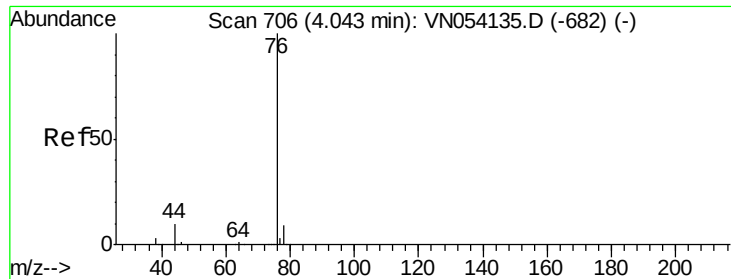
Tgt Ion: 43 Resp: 141251

Ion Ratio Lower Upper

43 100

58 34.2 26.5 39.7

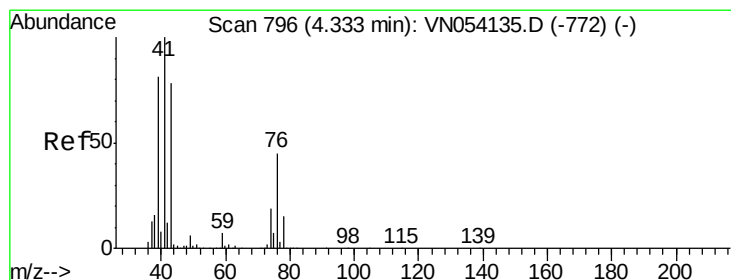
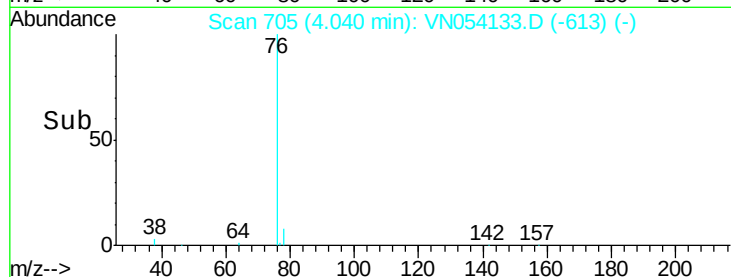
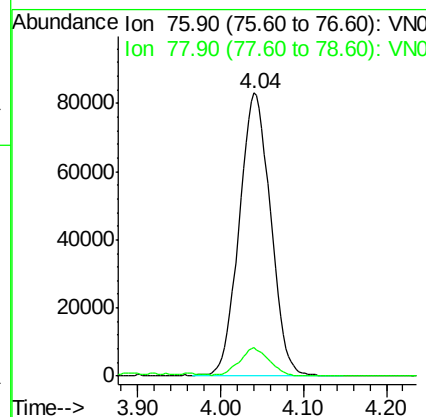
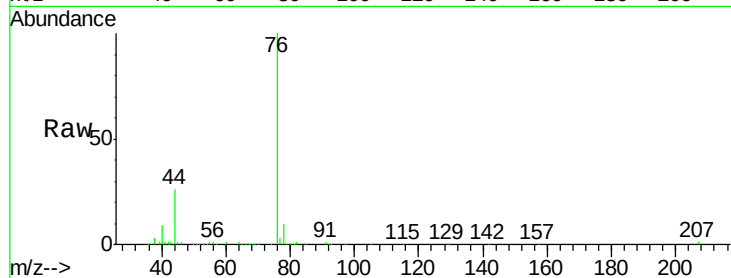




#17
Carbon Disulfide
Concen: 5.328 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

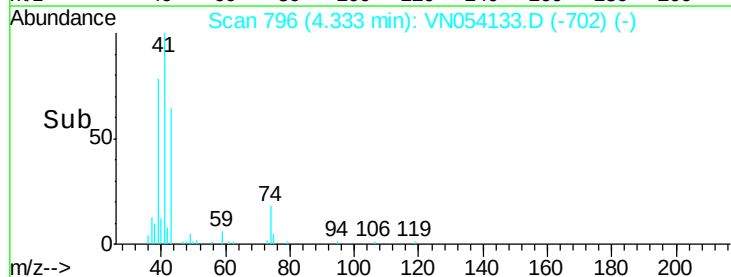
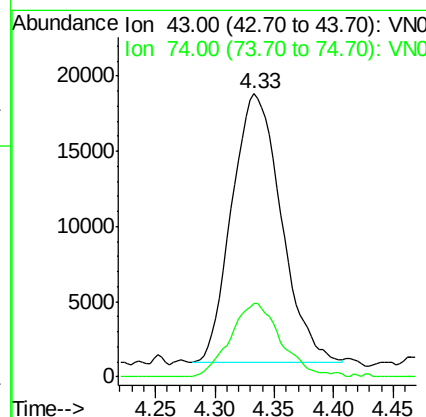
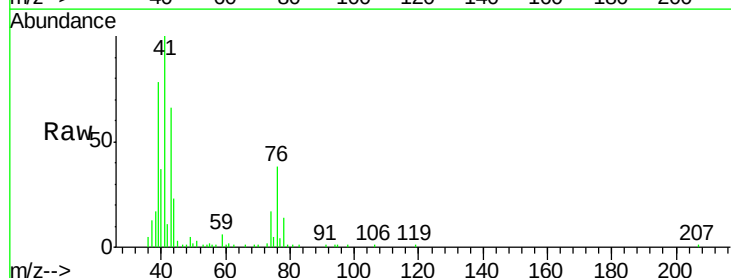
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

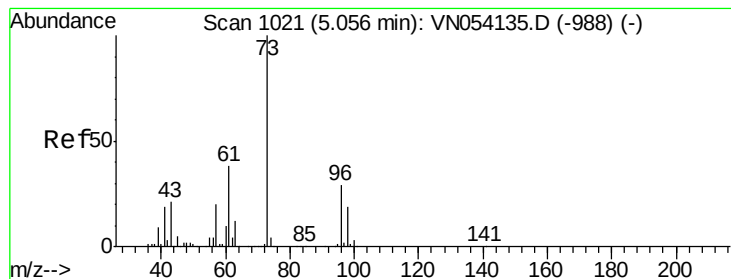
Tot Ion: 76 Resp: 217600
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#18
Methyl Acetate
Concen: 4.481 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 43 Resp: 51446
Ion Ratio Lower Upper
43 100
74 28.3 18.2 27.2#





#19

Methyl tert-butyl Ether

Concen: 5.283 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

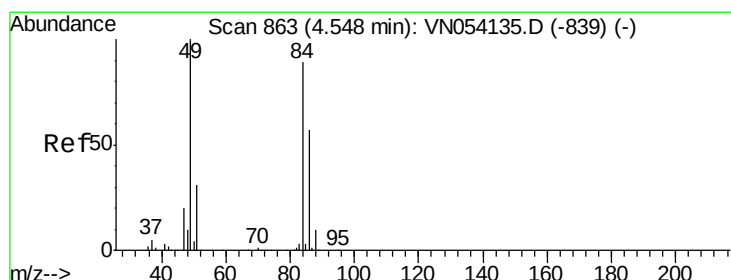
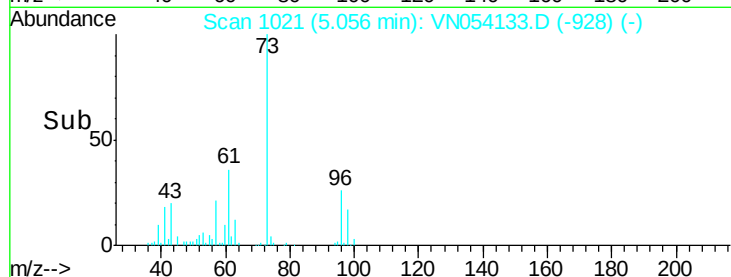
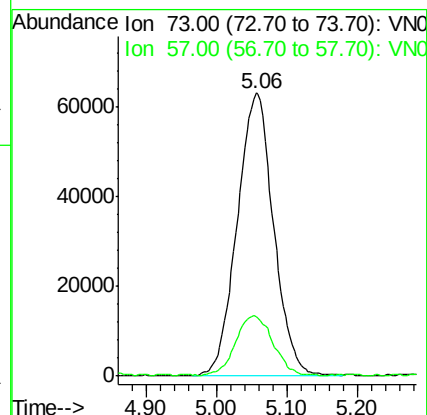
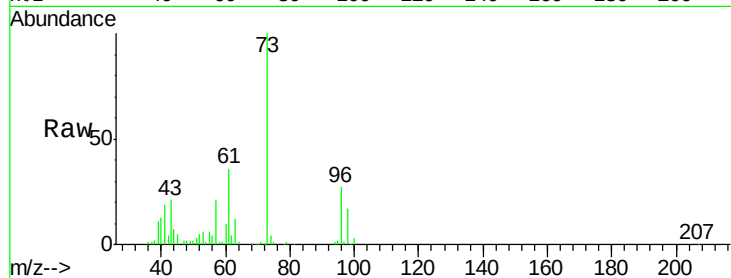
VSTDIC005

Tot Ion: 73 Resp: 227272

Ion Ratio Lower Upper

73 100

57 20.8 18.2 27.4



#20

Methylene Chloride

Concen: 5.378 ug/l

RT: 4.55 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Tgt Ion: 84 Resp: 86386

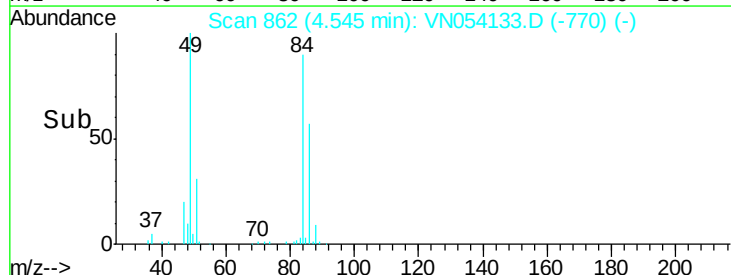
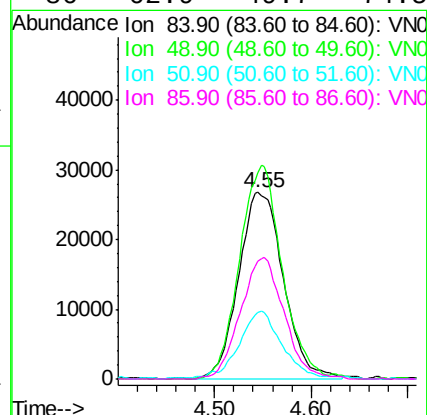
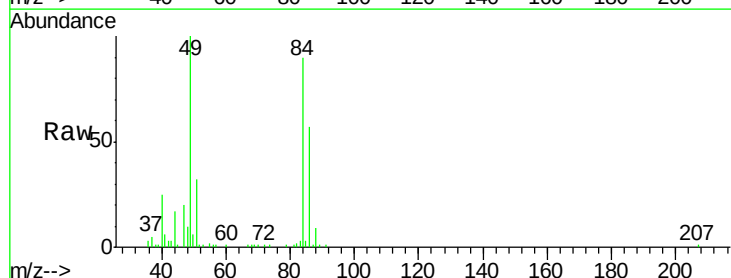
Ion Ratio Lower Upper

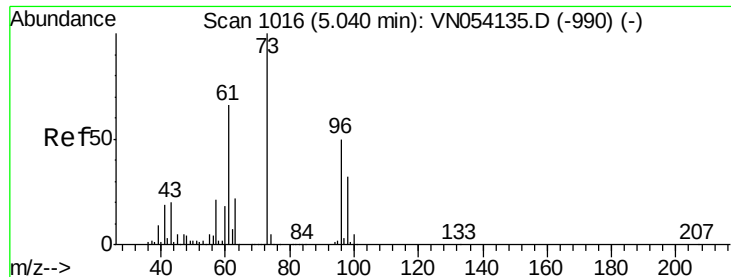
84 100

49 110.9 101.8 152.8

51 35.1 31.1 46.7

86 62.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 5.408 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

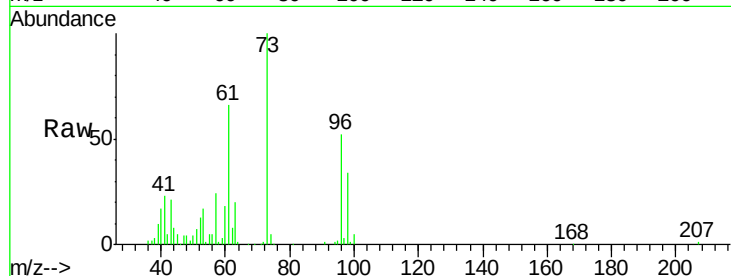
Tot Ion: 96 Resp: 84040

Ion Ratio Lower Upper

96 100

61 126.7 114.8 172.2

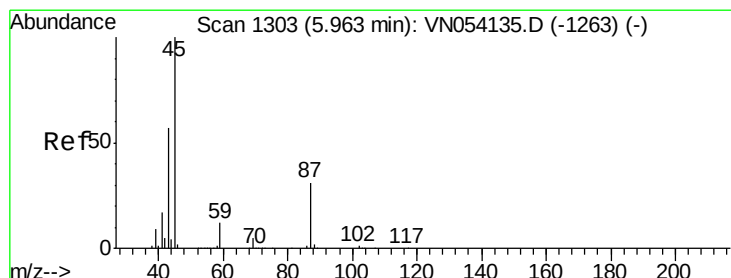
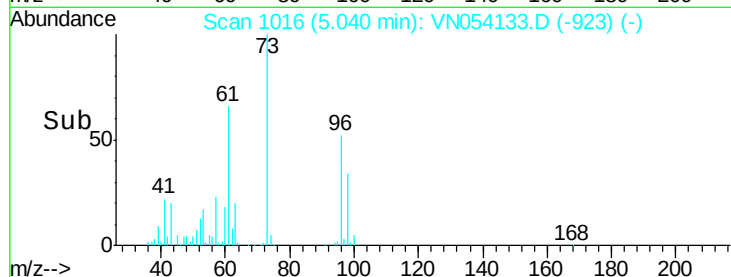
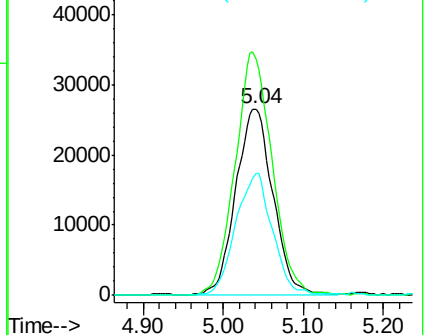
98 65.4 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VN054133.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN054133.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN054133.D (-990) (-)



#22

Diisopropyl ether

Concen: 5.166 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Tgt Ion: 45 Resp: 218858

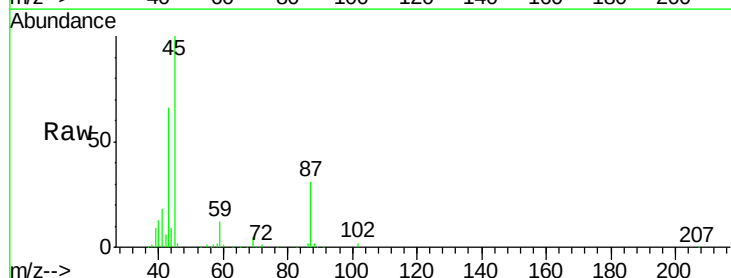
Ion Ratio Lower Upper

45 100

43 62.2 46.2 69.4

87 30.7 20.6 31.0

59 11.2 9.4 14.0

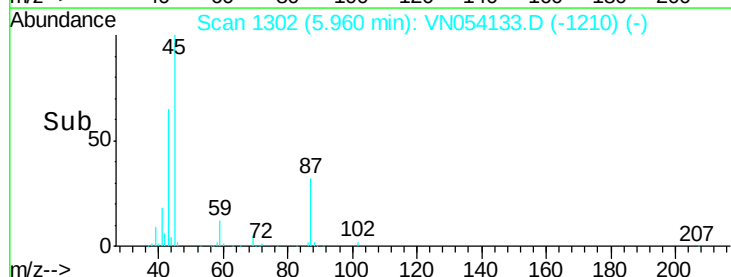
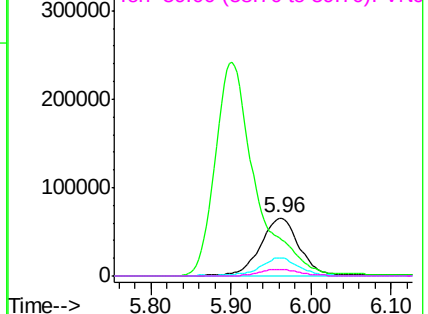


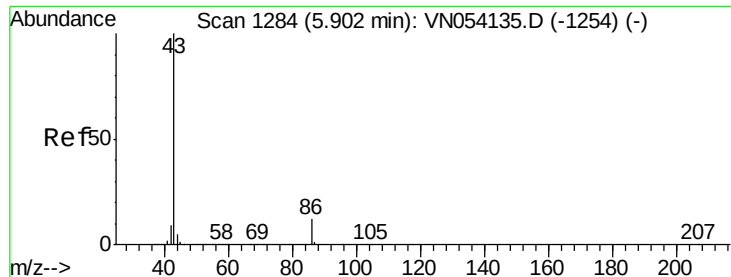
Abundance Ion 45.00 (44.70 to 45.70): VN054133.D (-1263) (-)

Ion 43.00 (42.70 to 43.70): VN054133.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN054133.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN054133.D (-1263) (-)





#23

Vinyl Acetate

Concen: 25.934 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

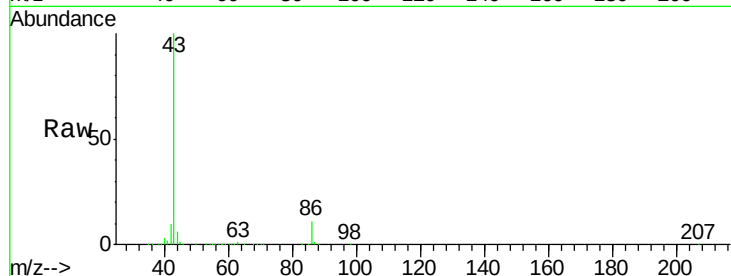
VSTDIC005

Tot Ion: 43 Resp: 829537

Ion Ratio Lower Upper

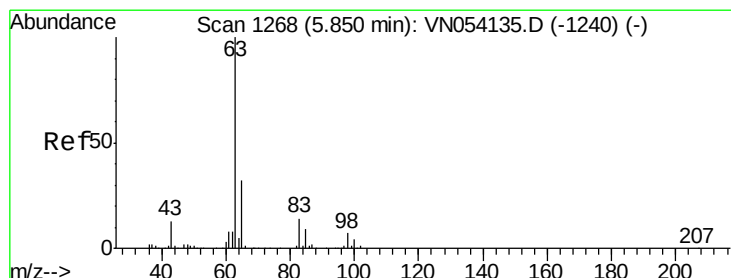
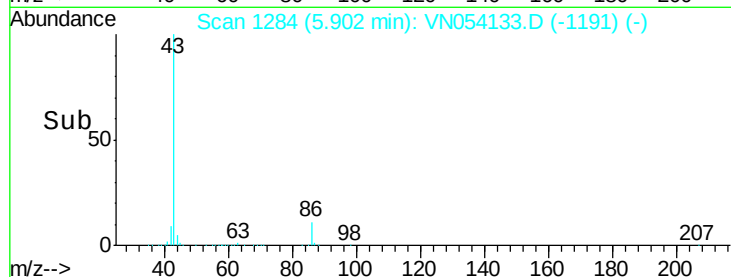
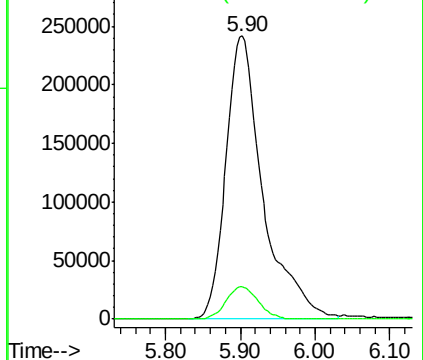
43 100

86 11.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.284 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

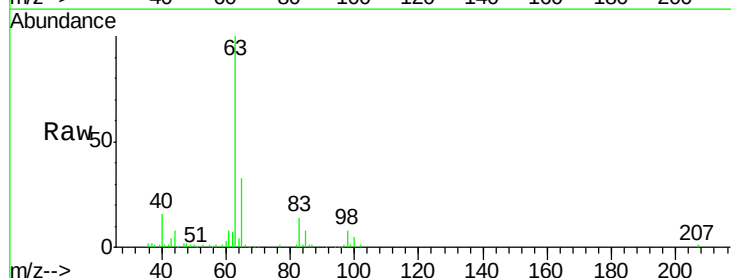
Tgt Ion: 63 Resp: 145108

Ion Ratio Lower Upper

63 100

98 7.8 3.1 9.4

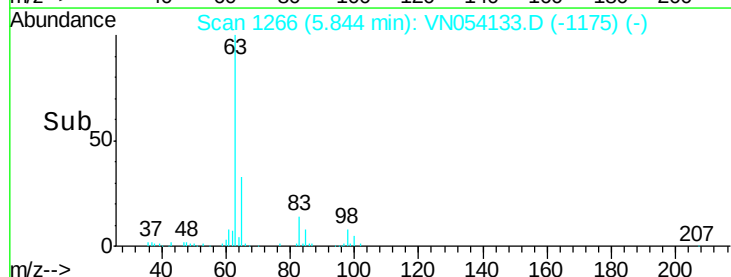
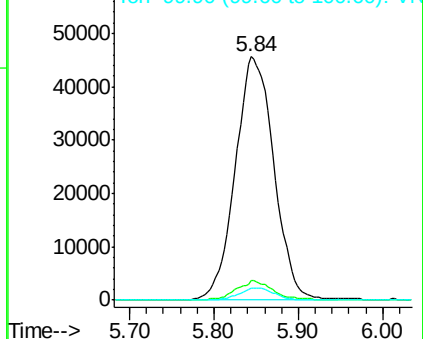
100 4.8 2.0 6.0

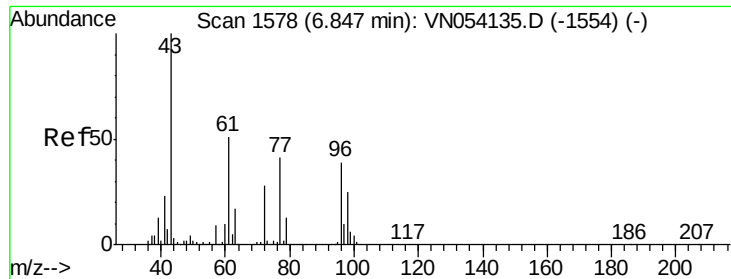


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

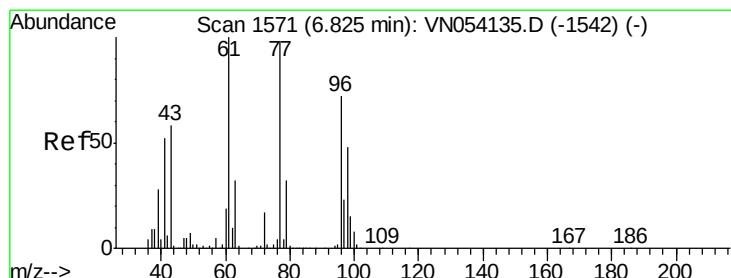
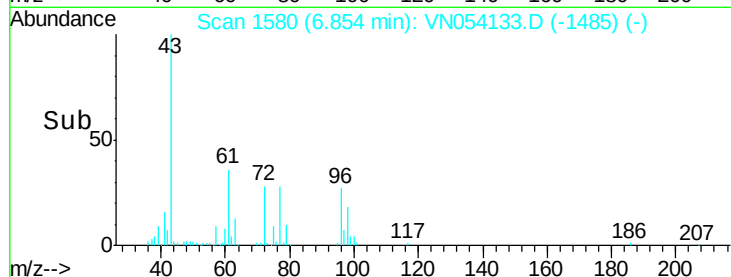
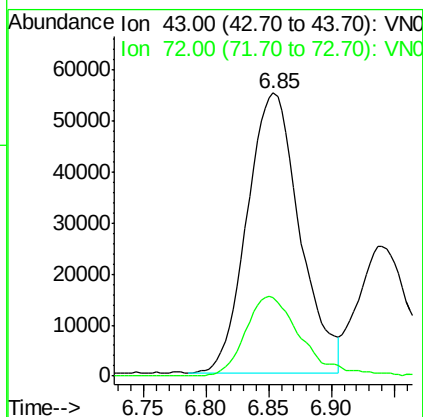
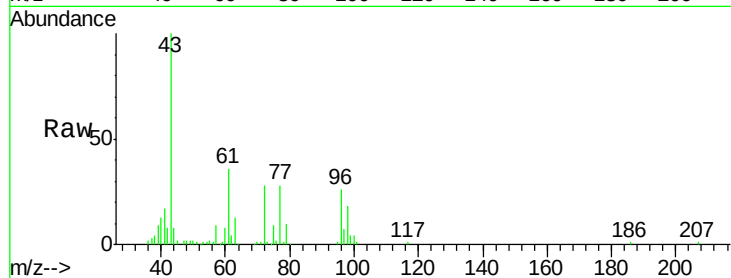




#25
2-Butanone
Concen: 26.952 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

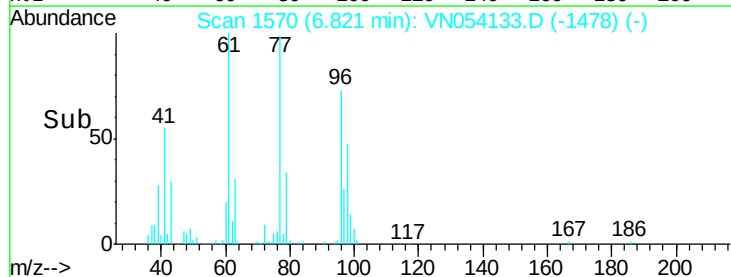
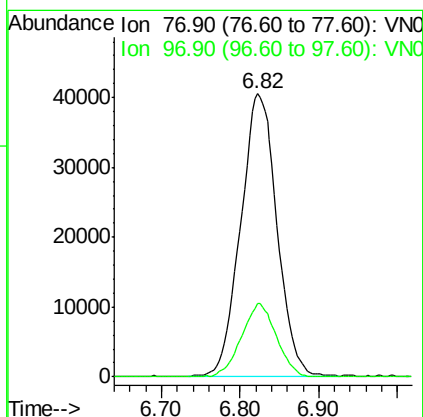
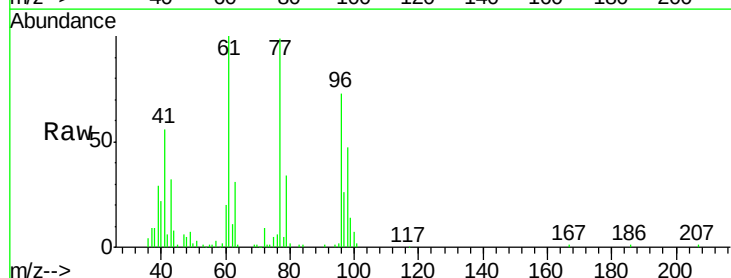
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

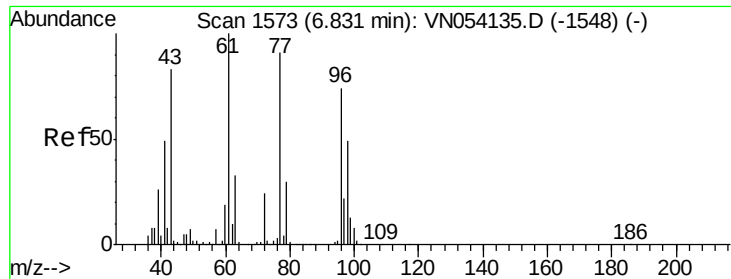
Tot Ion: 43 Resp: 160574
Ion Ratio Lower Upper
43 100
72 27.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 5.202 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 77 Resp: 131926
Ion Ratio Lower Upper
77 100
97 24.9 11.8 35.3

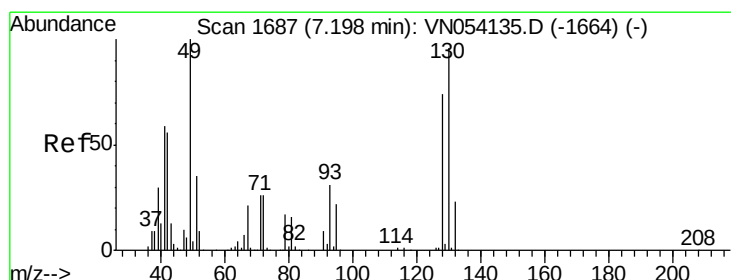
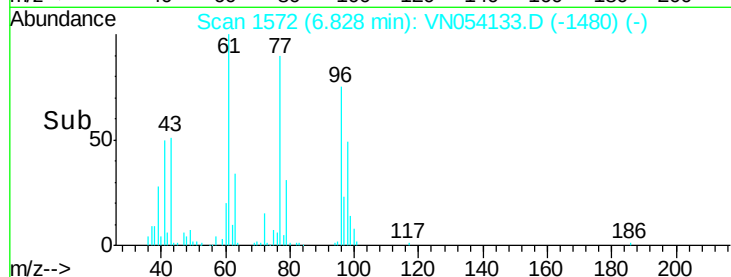
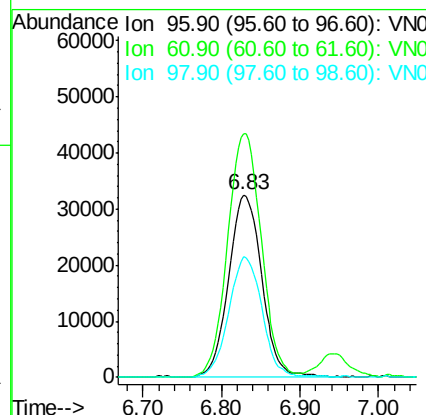
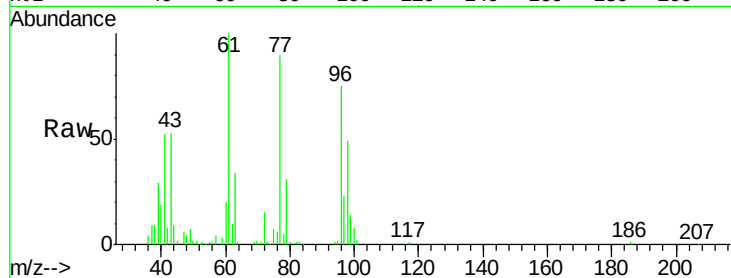




#27
 cis-1,2-Dichloroethene
 Concen: 5.371 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

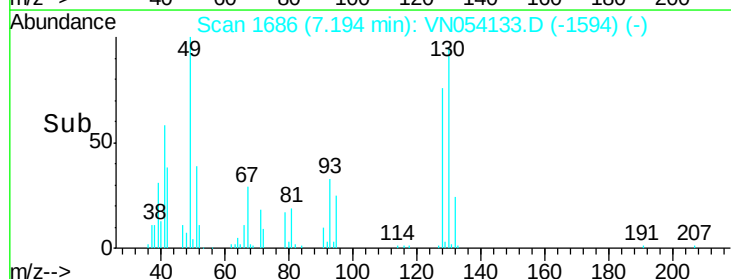
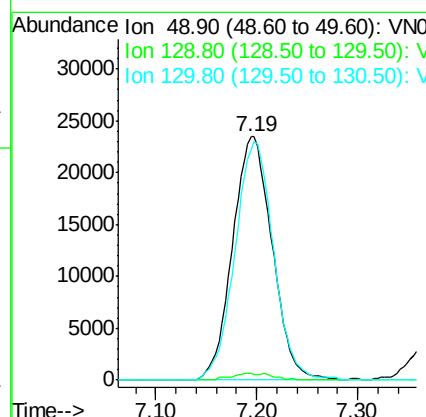
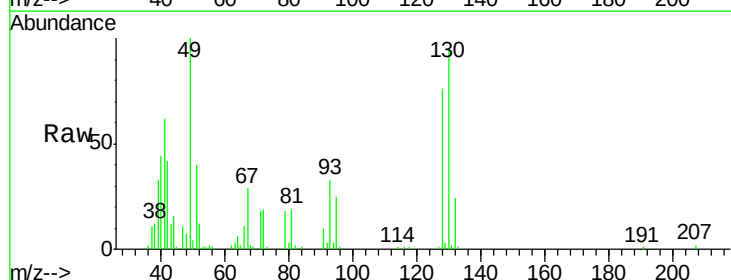
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

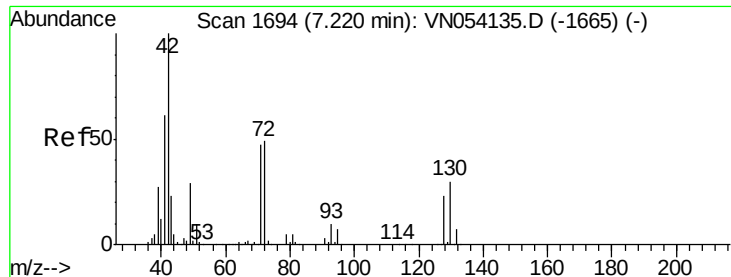
Tot Ion: 96 Resp: 95479
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 297.0
 98 65.7 0.0 129.4



#28
 Bromochloromethane
 Concen: 5.371 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 49 Resp: 64142
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 95.1 59.4 89.2#

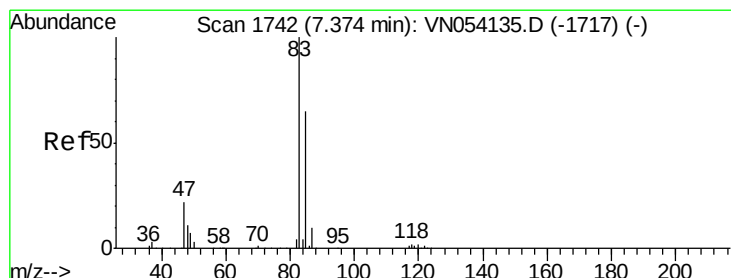
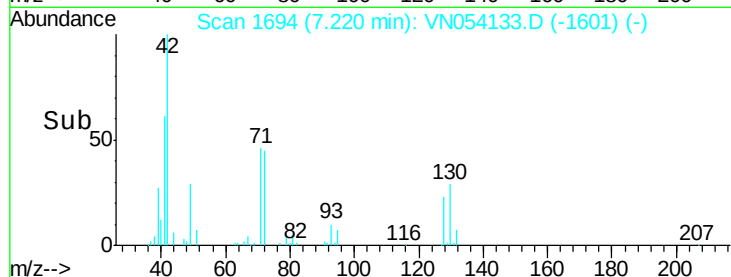
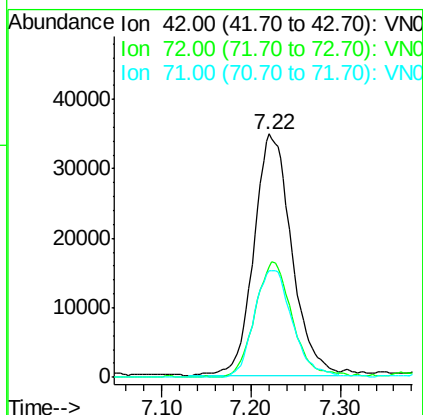
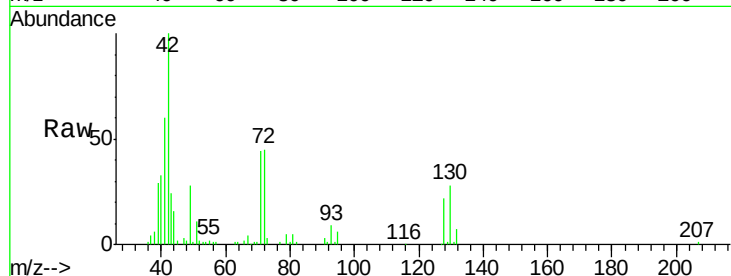




#29
Tetrahydrofuran
Concen: 26.618 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

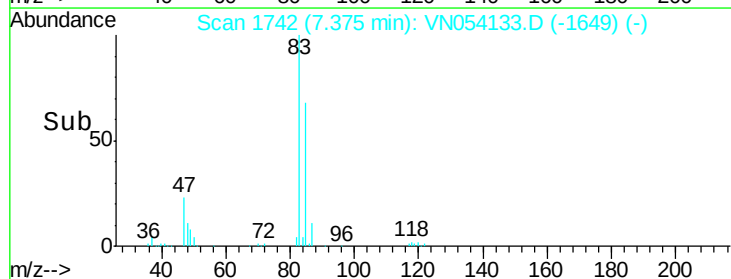
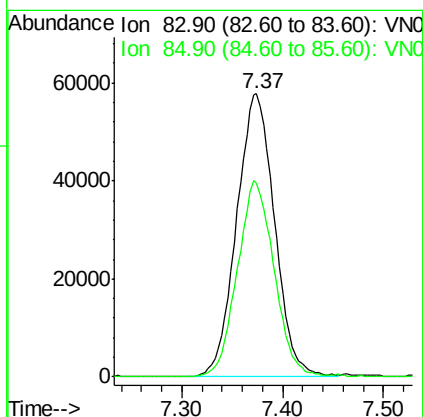
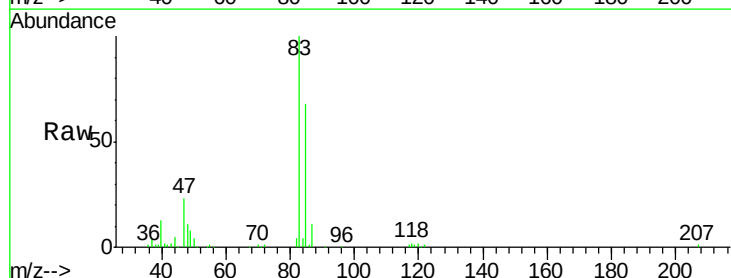
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

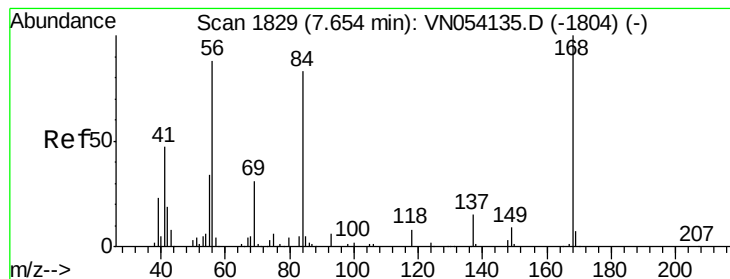
Tot Ion: 42 Resp: 101891
Ion Ratio Lower Upper
42 100
72 47.7 32.8 49.2
71 45.3 30.5 45.7



#30
Chloroform
Concen: 5.187 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 83 Resp: 150836
Ion Ratio Lower Upper
83 100
85 68.5 53.1 79.7





#31

Cyclohexane

Concen: 5.533 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

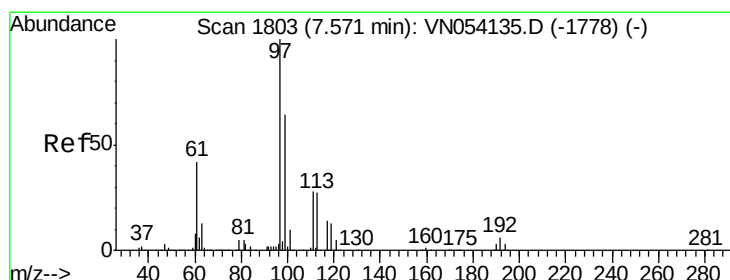
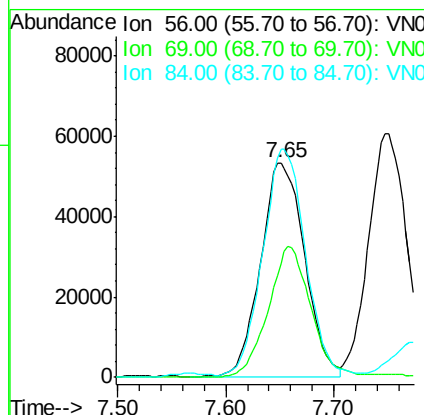
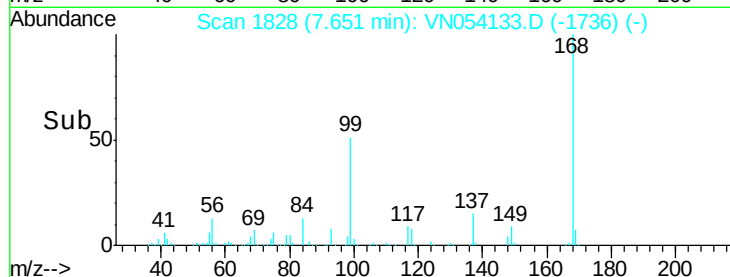
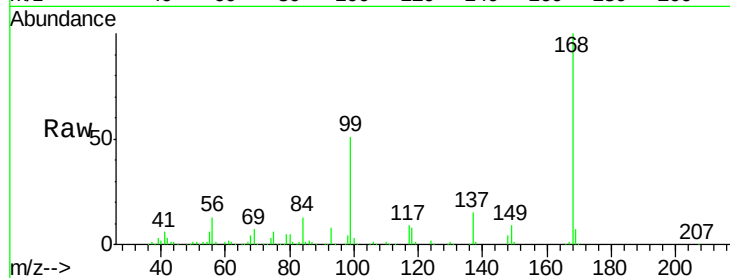
Tot Ion: 56 Resp: 151730

Ion Ratio Lower Upper

56 100

69 53.5 25.5 38.3#

84 104.5 64.5 96.7#



#32

1,1,1-Trichloroethane

Concen: 5.259 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

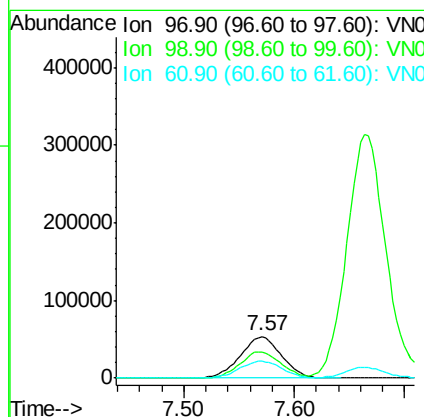
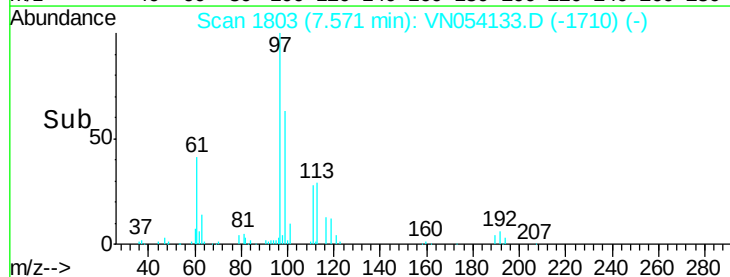
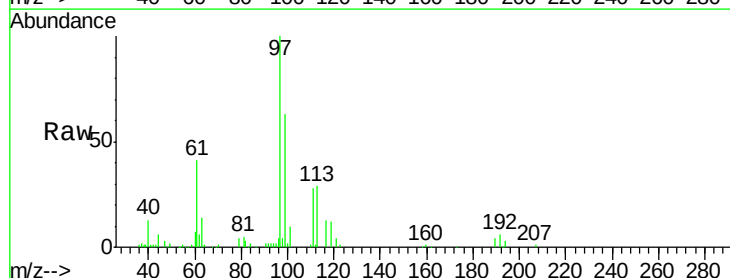
Tgt Ion: 97 Resp: 138442

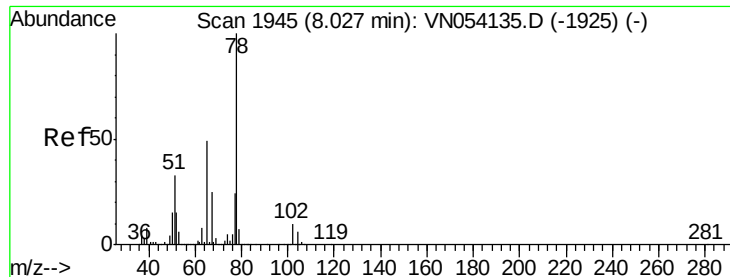
Ion Ratio Lower Upper

97 100

99 63.3 51.2 76.8

61 42.1 37.1 55.7

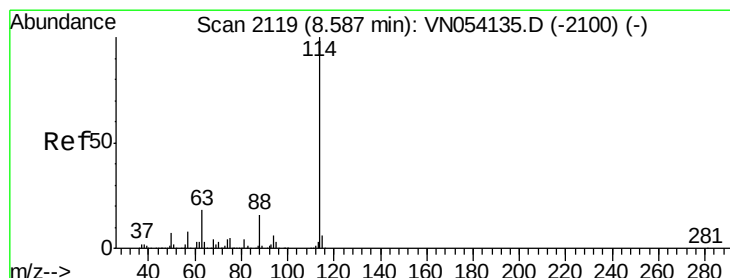
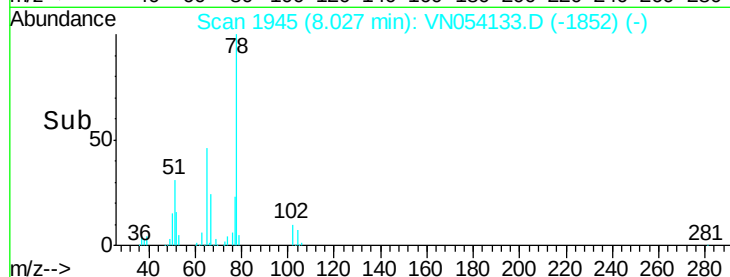
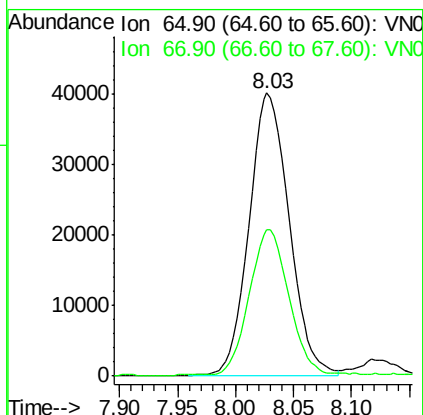
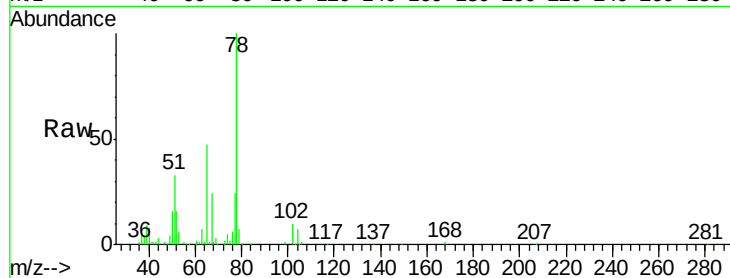




#33
 1,2-Dichloroethane-d4
 Concen: 5.447 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

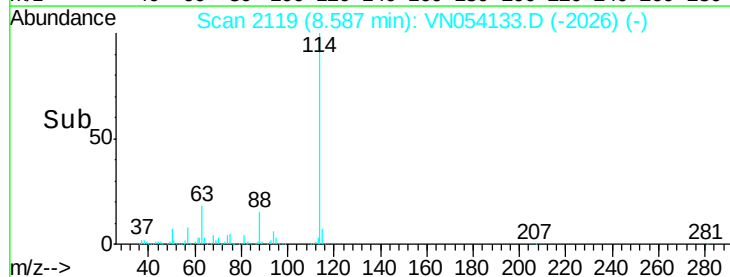
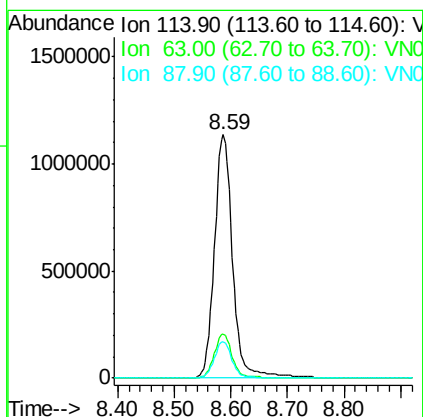
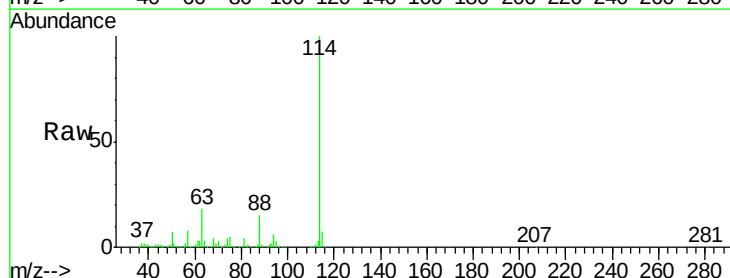
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

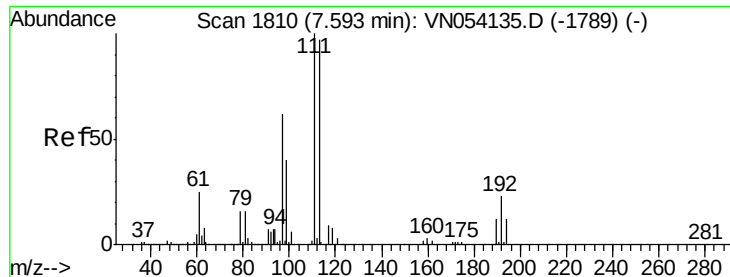
Tot Ion: 65 Resp: 97272
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 114 Resp: 2538898
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 42.6
 88 15.0 0.0 31.8

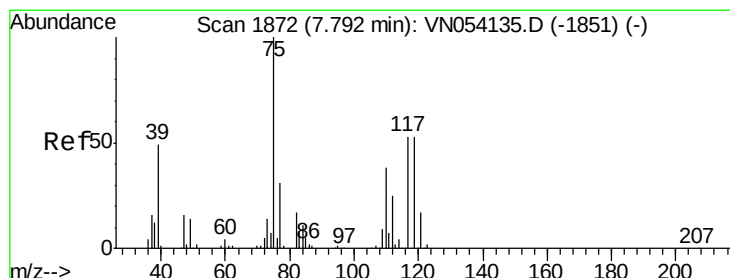
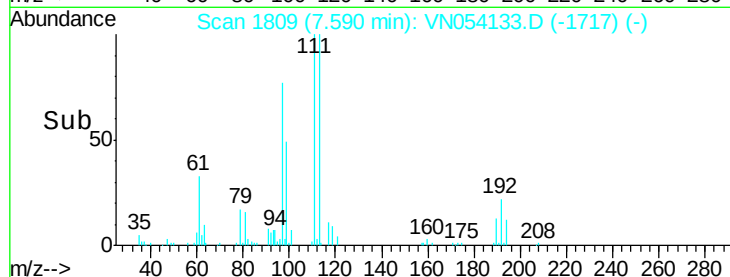
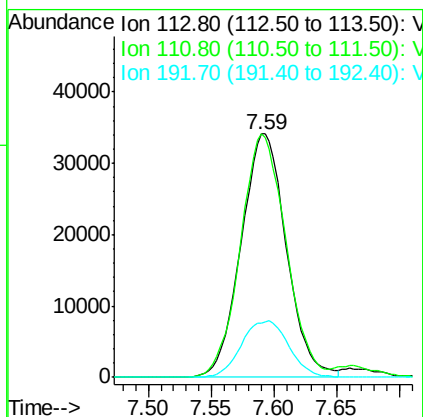
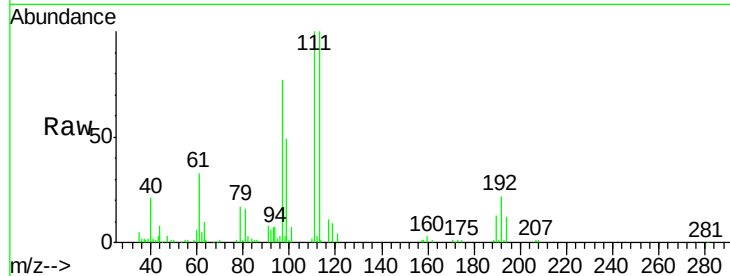




#35
 Dibromofluoromethane
 Concen: 5.228 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

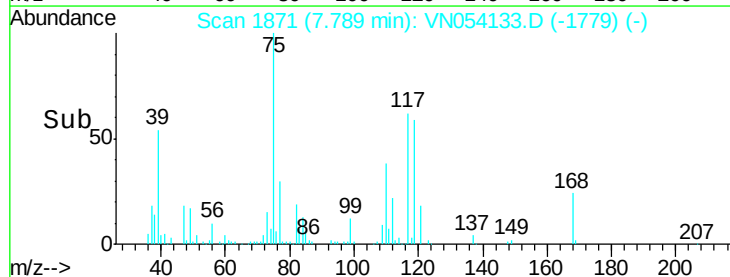
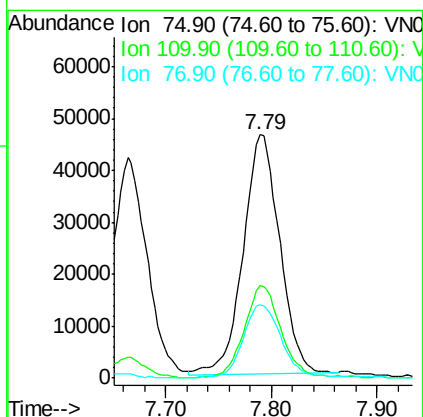
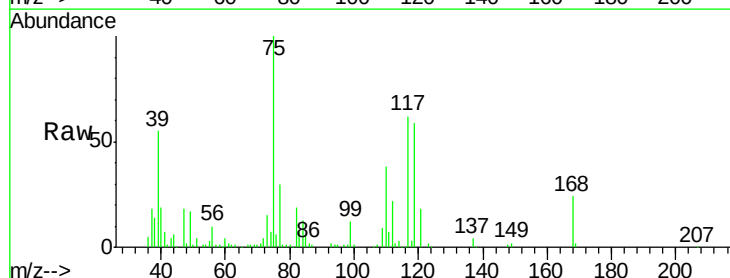
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

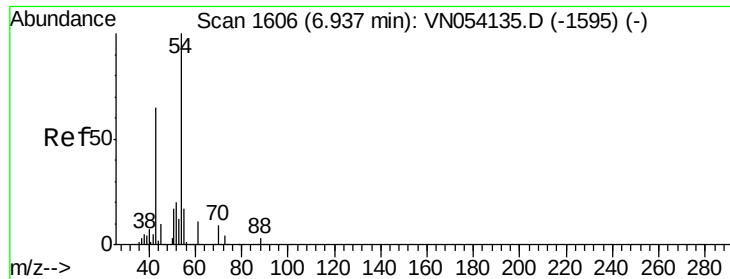
Tot Ion:113 Resp: 85642
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.1 123.1
 192 24.1 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 75 Resp: 111373
 Ion Ratio Lower Upper
 75 100
 110 39.3 18.0 54.0
 77 30.8 25.3 37.9

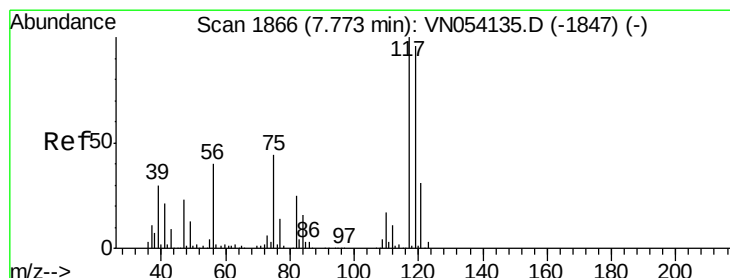
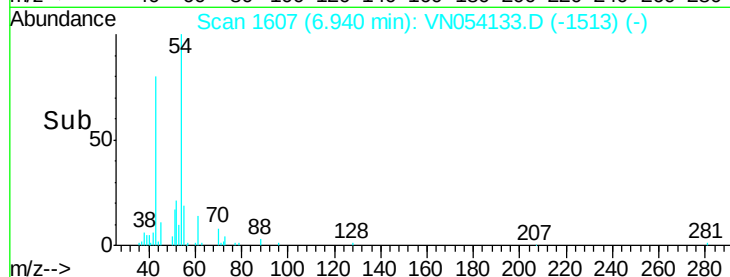
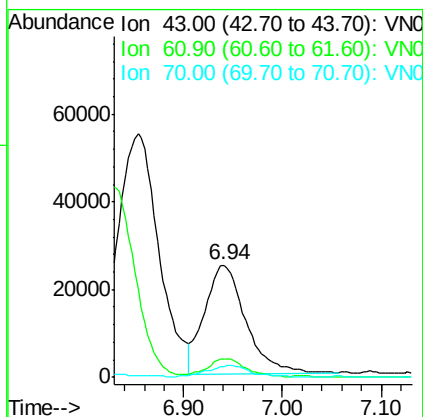
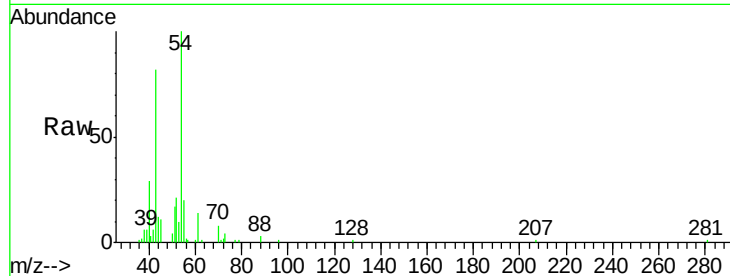




#37
Ethyl Acetate
Concen: 5.032 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

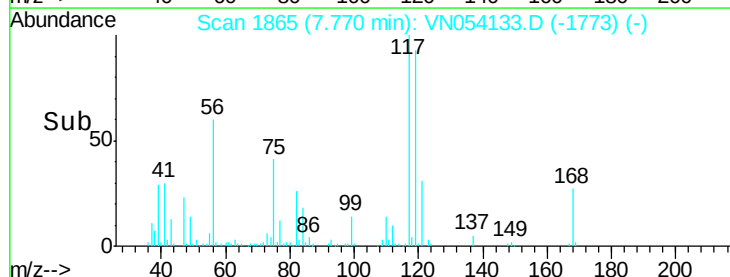
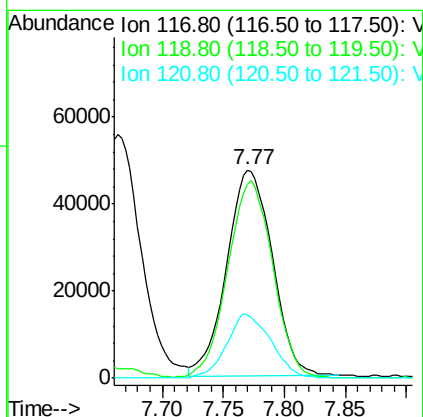
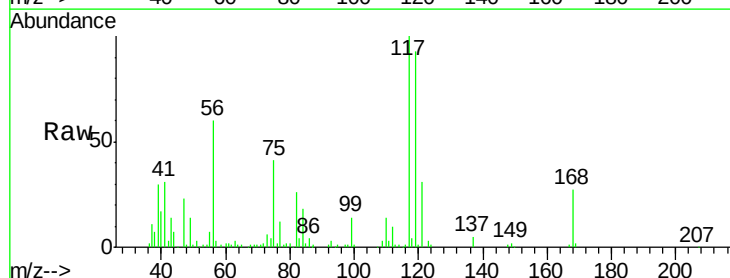
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

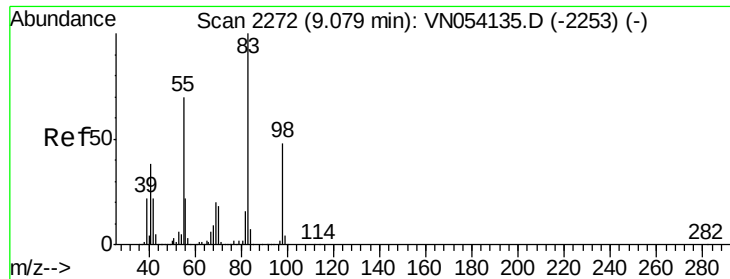
Tot Ion: 43 Resp: 72104
Ion Ratio Lower Upper
43 100
61 15.2 11.1 16.7
70 11.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.010 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 117 Resp: 122725
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.6
121 31.1 24.3 36.5

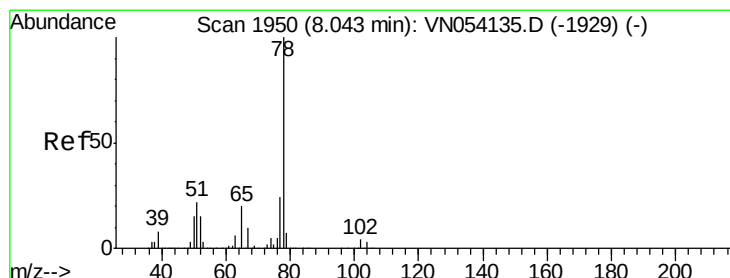
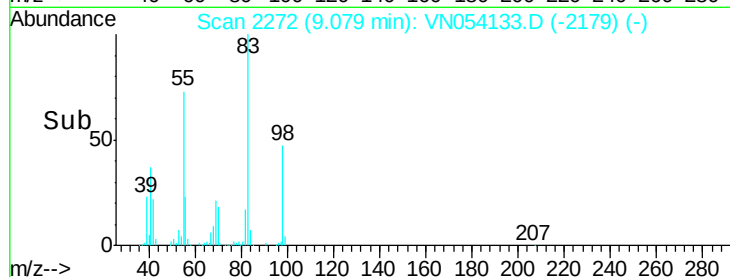
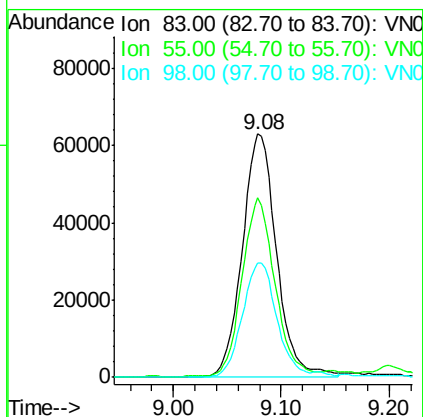
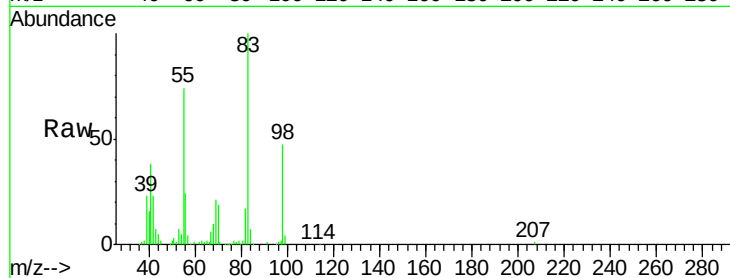




#39
Methylvlcyclohexane
Concen: 5.118 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

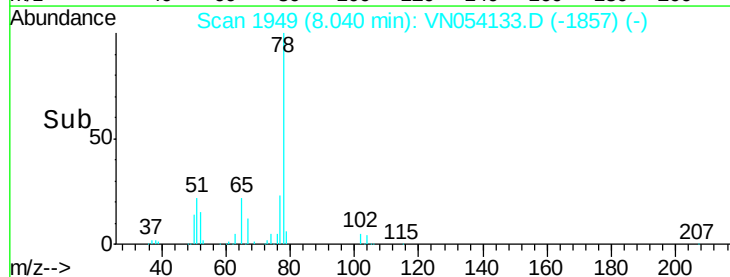
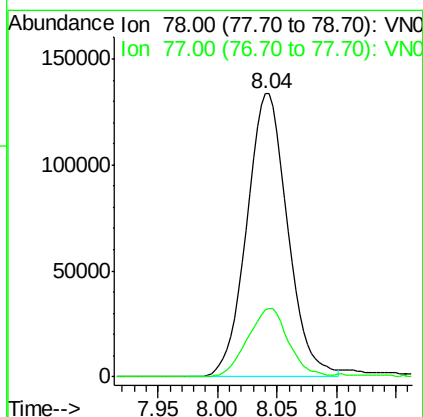
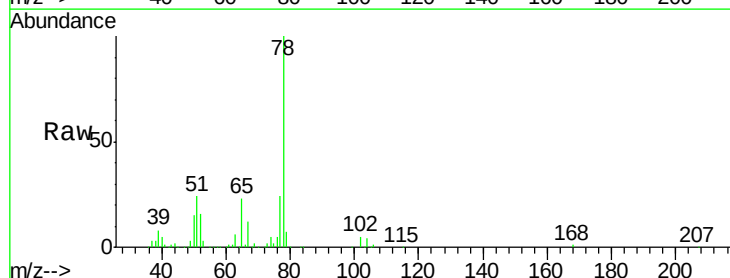
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

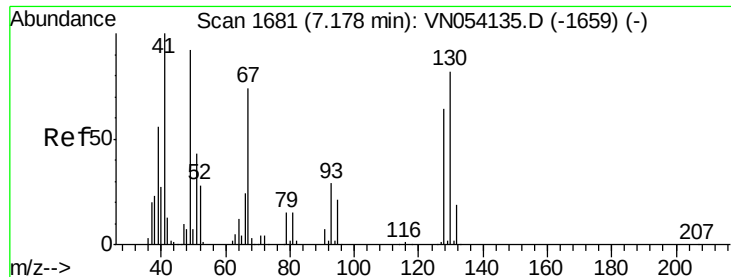
Tot Ion: 83 Resp: 139241
Ion Ratio Lower Upper
83 100
55 73.2 62.1 93.1
98 46.8 36.0 54.0



#40
Benzene
Concen: 5.011 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 78 Resp: 318155
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

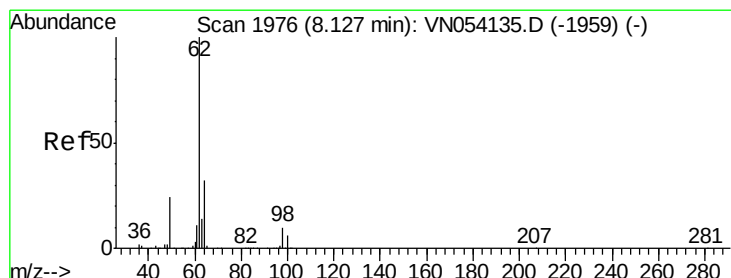
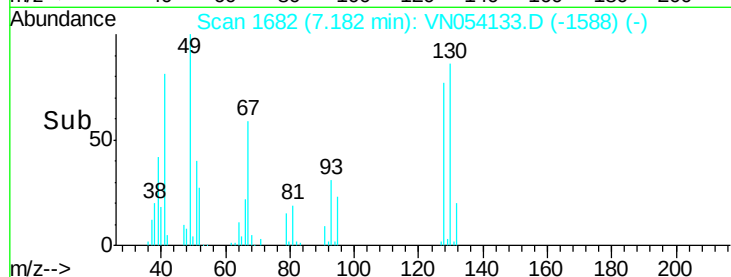
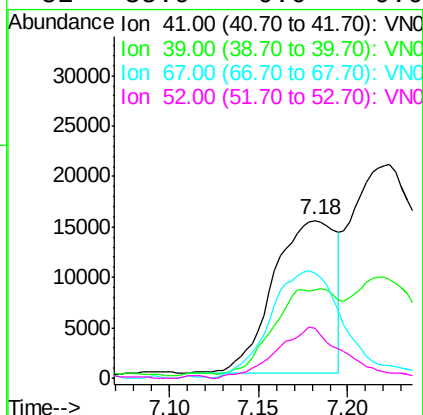
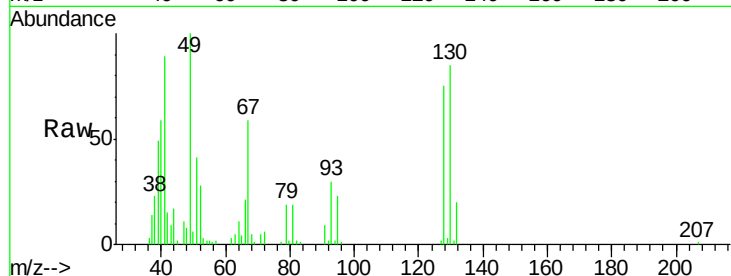




#41
Methacrylonitrile
Concen: 4.948 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

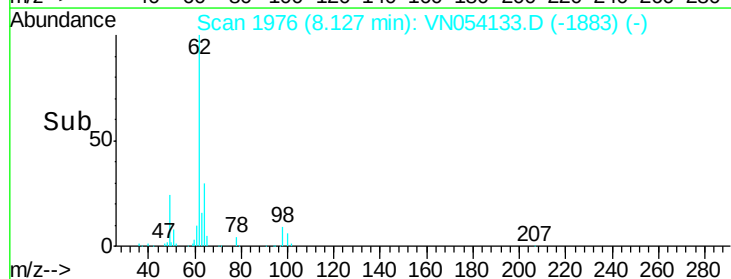
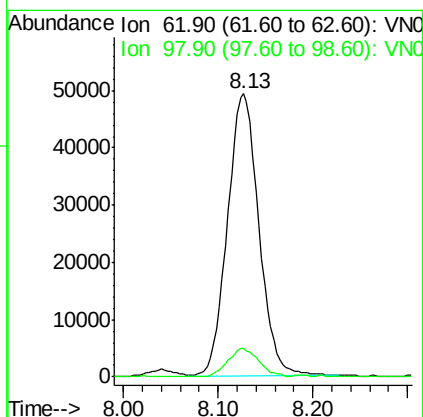
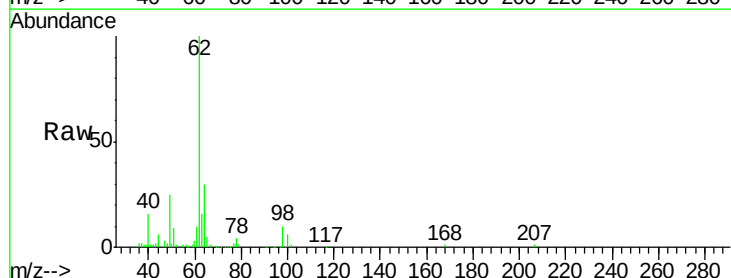
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

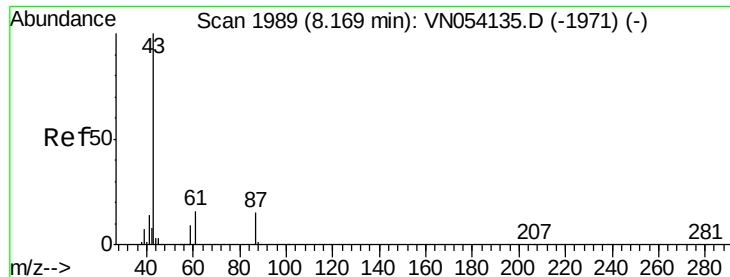
Tot Ion:	41	Resp:	36911
Ion	Ratio	Lower	Upper
41	100		
39	57.7	0.0	0.0#
67	84.7	0.0	0.0#
52	35.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 5.216 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion:	62	Resp:	114179
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 4.886 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

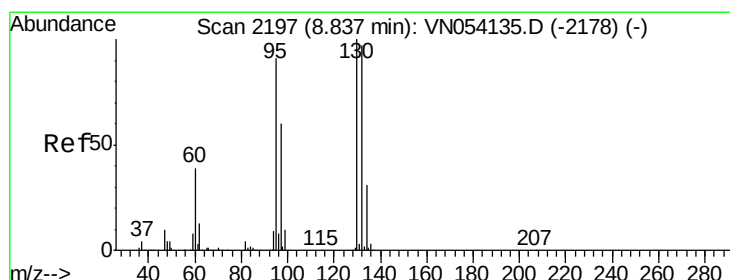
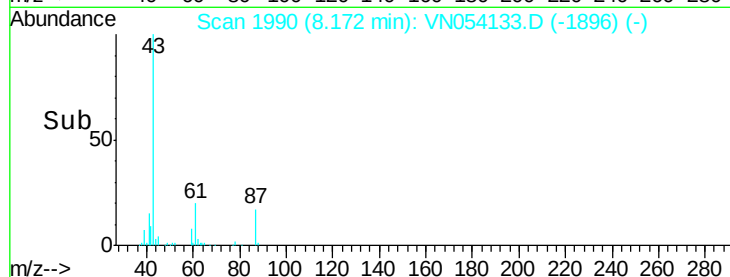
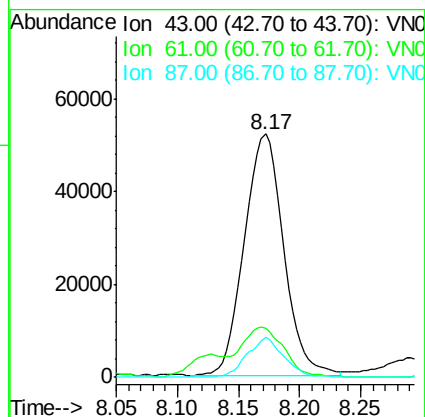
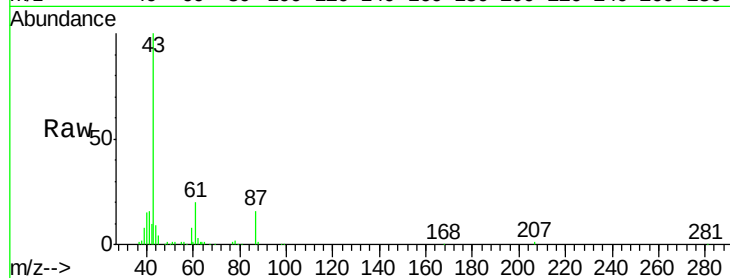
Tot Ion: 43 Resp: 116391

Ion Ratio Lower Upper

43 100

61 22.2 22.5 33.7#

87 15.5 10.1 15.1#



#44

Trichloroethene

Concen: 5.094 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054133.D

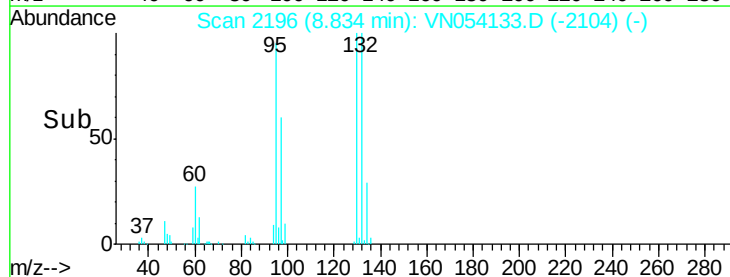
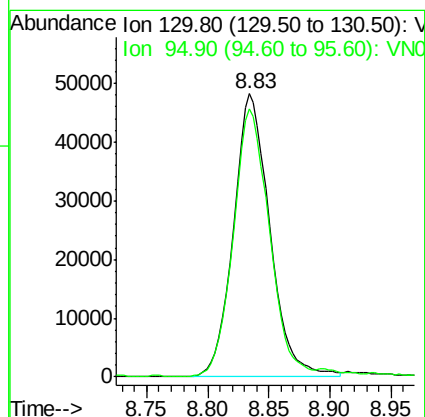
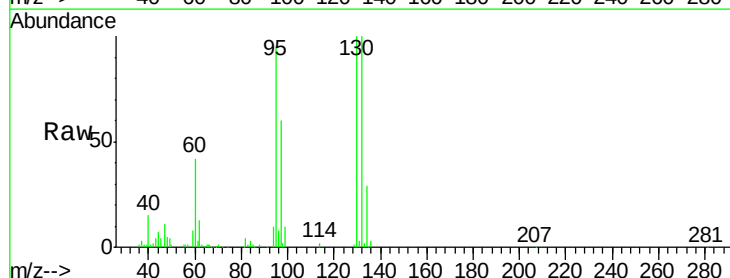
Acq: 11 Mar 2019 10:38

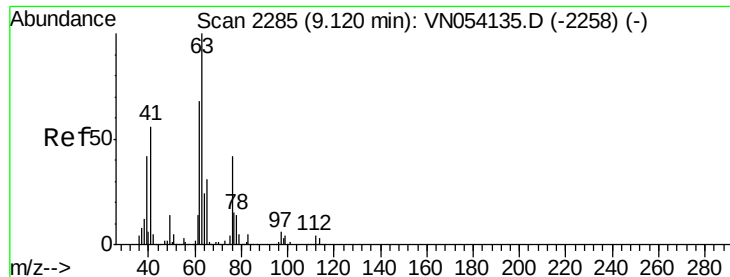
Tgt Ion: 130 Resp: 99827

Ion Ratio Lower Upper

130 100

95 94.5 0.0 189.4

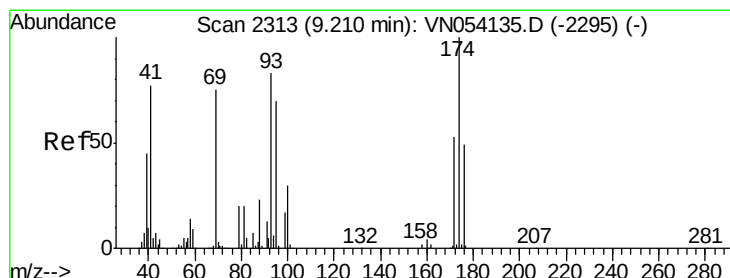
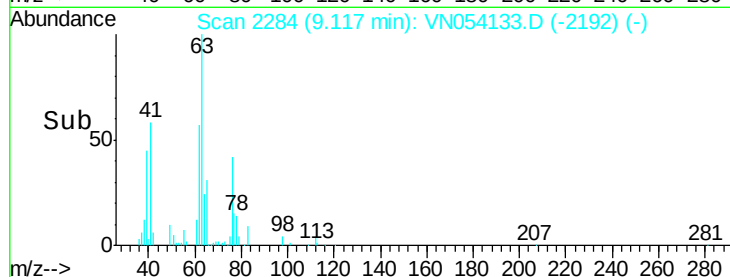
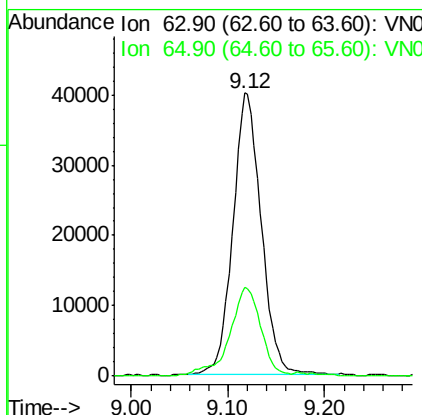
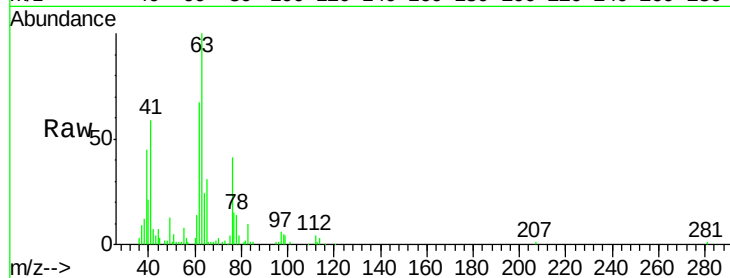




#45
 1,2-Dichloropropane
 Concen: 5.011 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

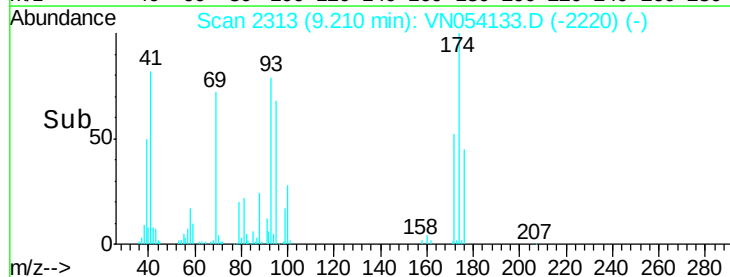
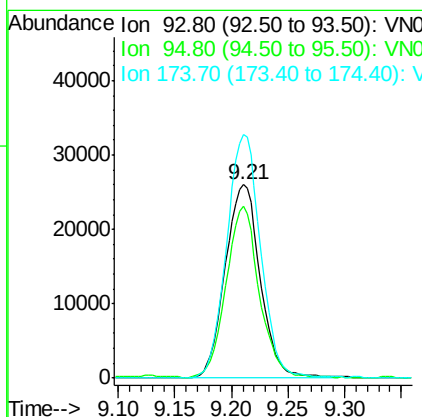
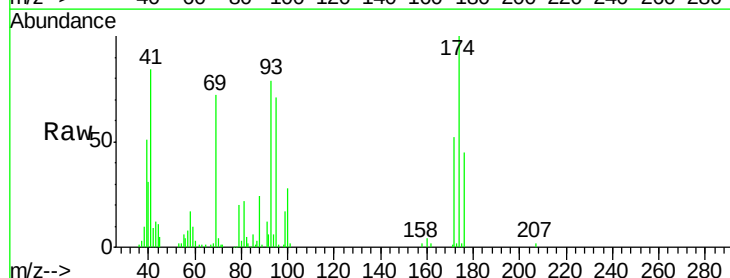
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

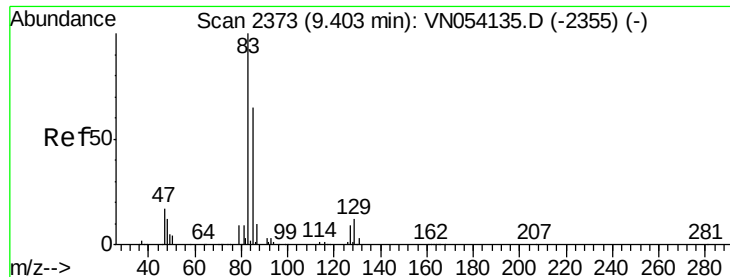
Tot Ion: 63 Resp: 81307
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8



#46
 Dibromomethane
 Concen: 5.108 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion: 93 Resp: 56224
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.1 99.1
 174 121.7 86.1 129.1





#47

Bromodichloromethane

Concen: 4.990 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

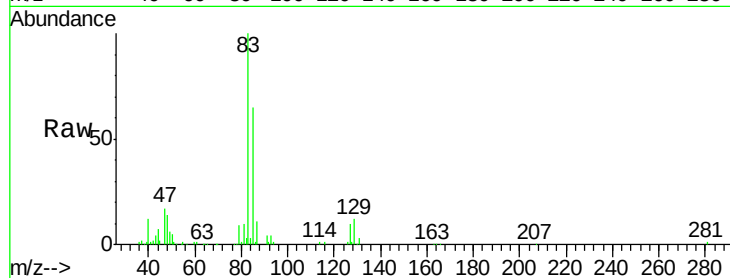
Tot Ion: 83 Resp: 113868

Ion Ratio Lower Upper

83 100

85 65.0 51.0 76.4

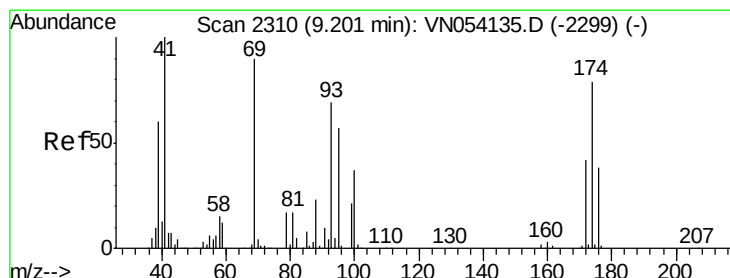
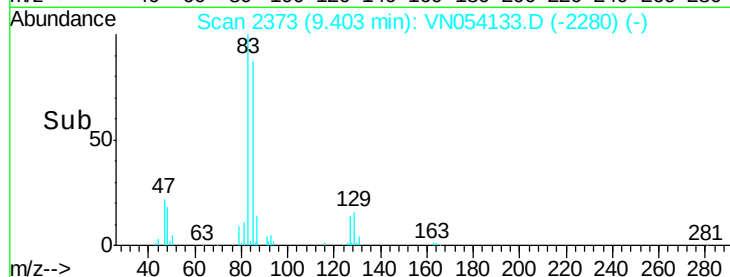
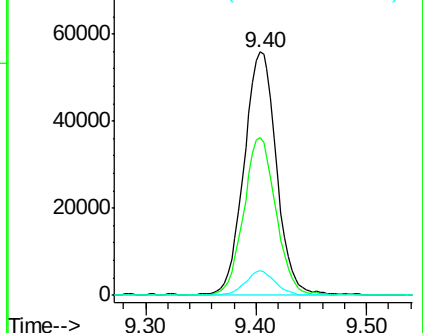
127 10.4 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN054133.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054133.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054133.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.932 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

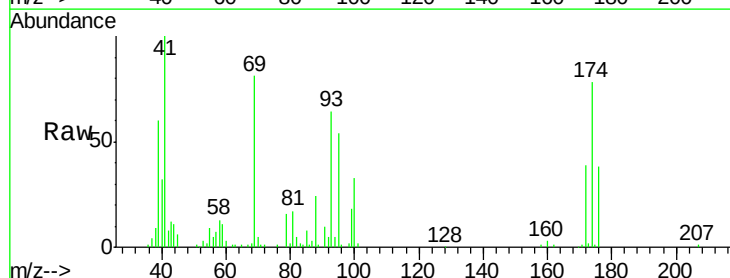
Tgt Ion: 41 Resp: 63154

Ion Ratio Lower Upper

41 100

69 86.2 71.0 106.4

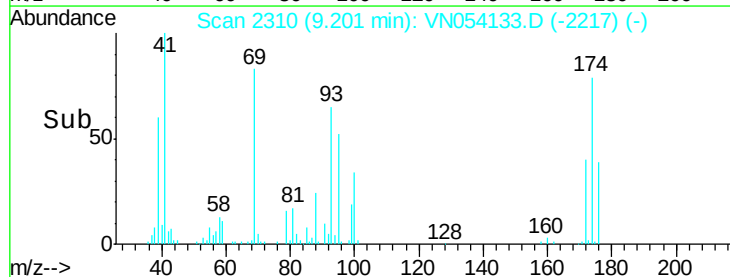
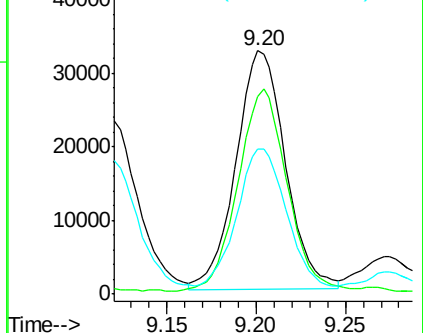
39 61.3 43.7 65.5

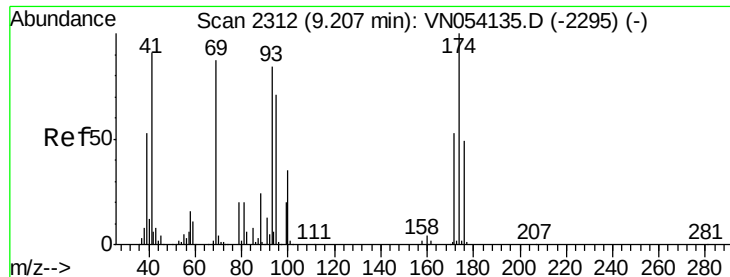


Abundance Ion 41.00 (40.70 to 41.70): VN054133.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054133.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054133.D (-2217) (-)





#49

1,4-Dioxane

Concen: 110.883 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

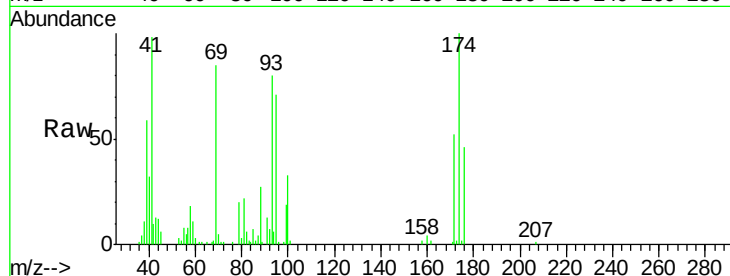
Tot Ion: 88 Resp: 18422

Ion	Ratio	Lower	Upper
88	100		
43	36.6	25.5	38.3
58	63.4	58.3	87.5

88 100

43 36.6 25.5 38.3

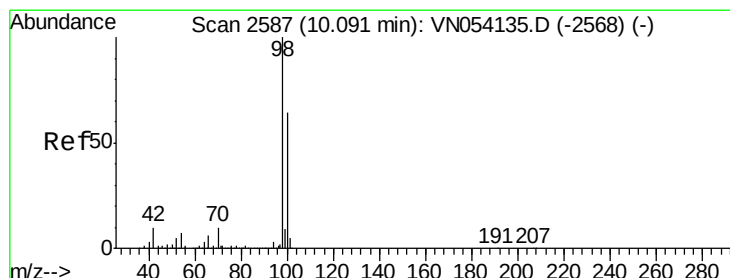
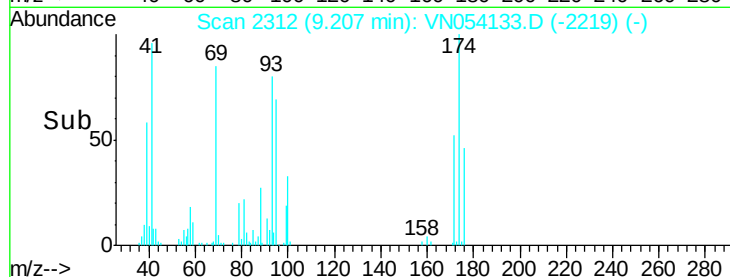
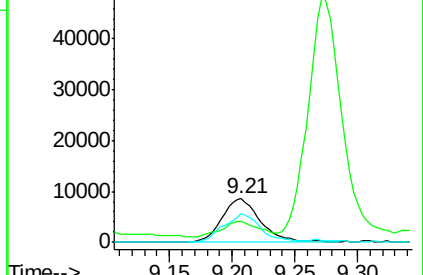
58 63.4 58.3 87.5



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 5.120 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054133.D

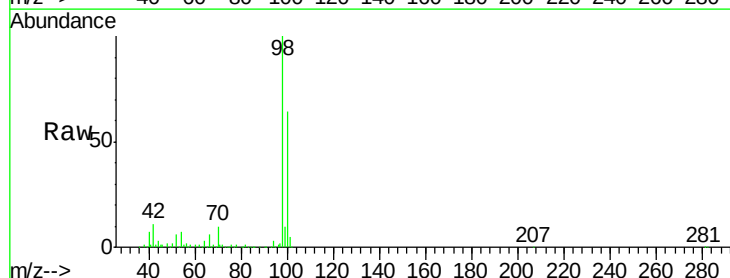
Acq: 11 Mar 2019 10:38

Tgt Ion: 98 Resp: 308962

Ion	Ratio	Lower	Upper
98	100		
100	62.2	51.7	77.5

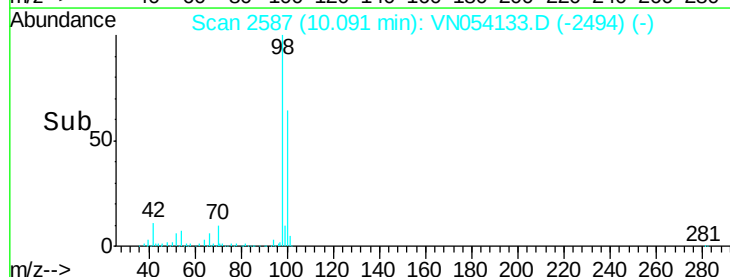
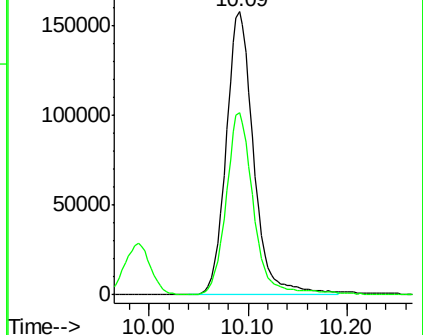
98 100

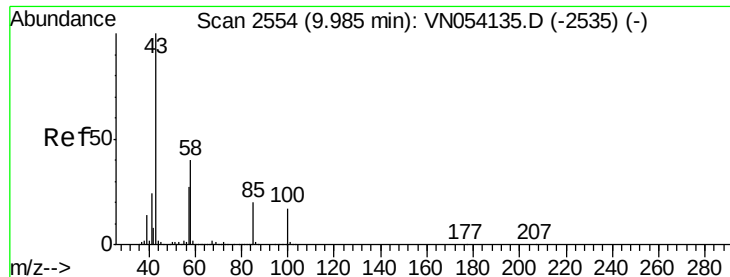
100 62.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 24.773 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

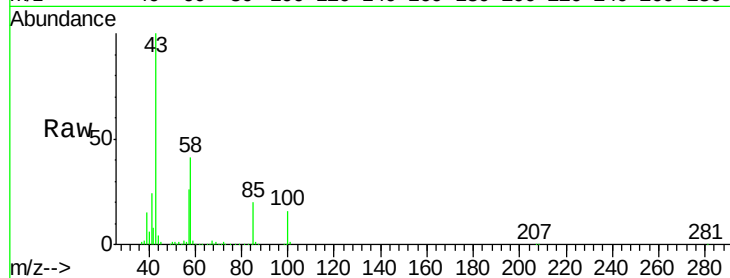
VSTDIC005

Tot Ion: 43 Resp: 316493

Ion Ratio Lower Upper

43 100

58 39.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

150000

100000

50000

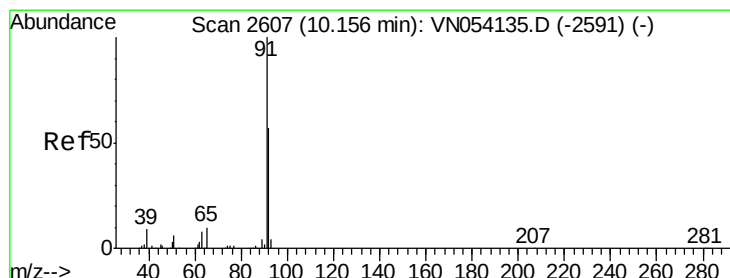
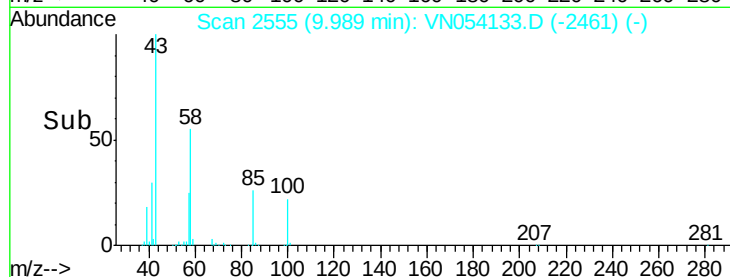
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 5.048 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054133.D

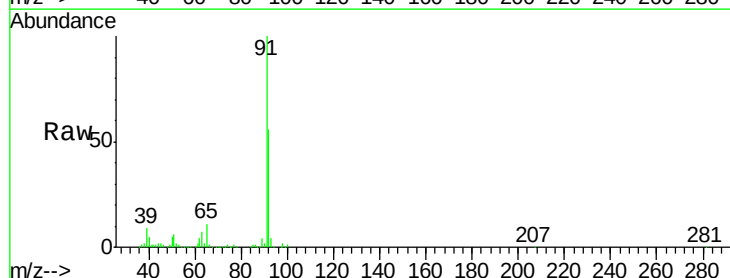
Acq: 11 Mar 2019 10:38

Tgt Ion: 92 Resp: 205209

Ion Ratio Lower Upper

92 100

91 176.6 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

150000

100000

50000

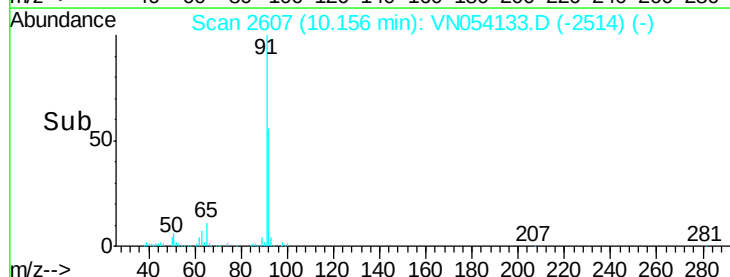
0

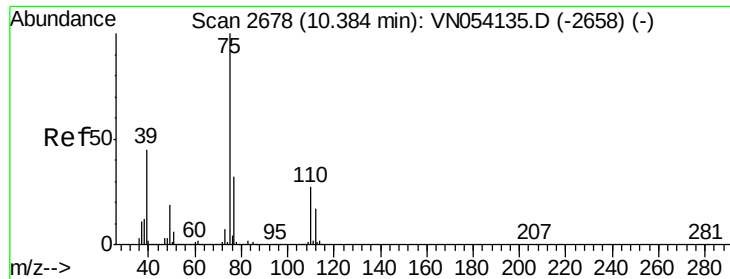
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 4.873 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

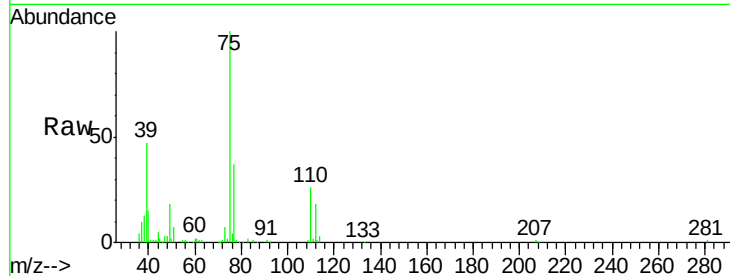
VSTDIC005

Tot Ion: 75 Resp: 113217

Ion Ratio Lower Upper

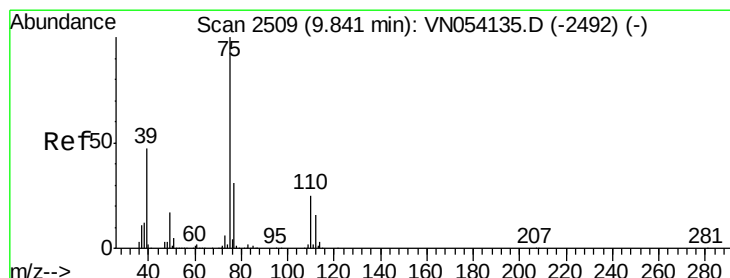
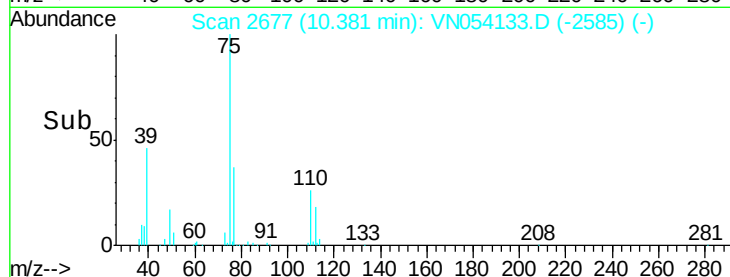
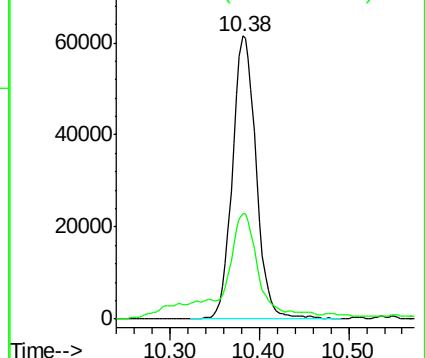
75 100

77 35.6 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: 4.829 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

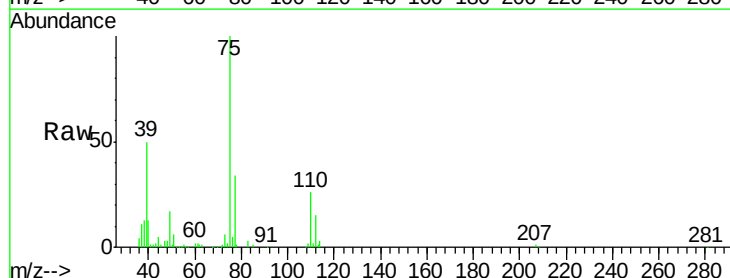
Tgt Ion: 75 Resp: 125990

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.0

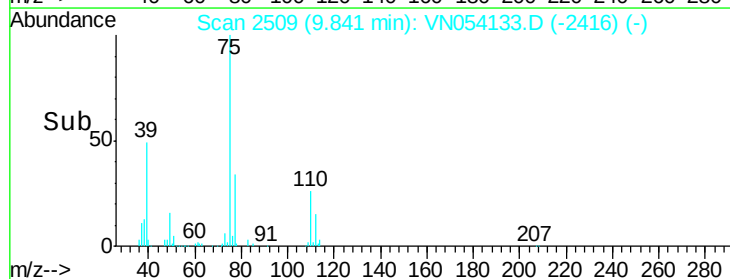
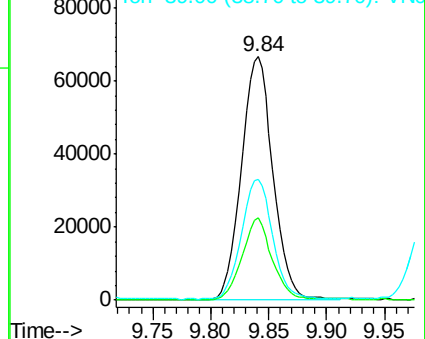
39 49.3 36.2 54.2

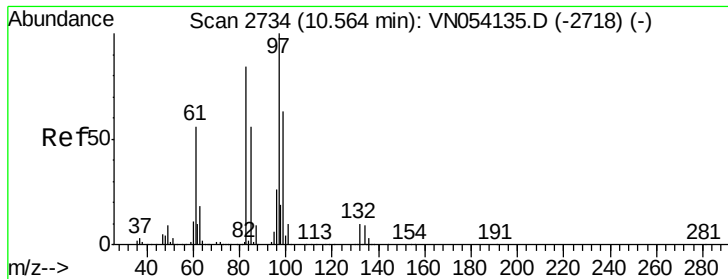


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

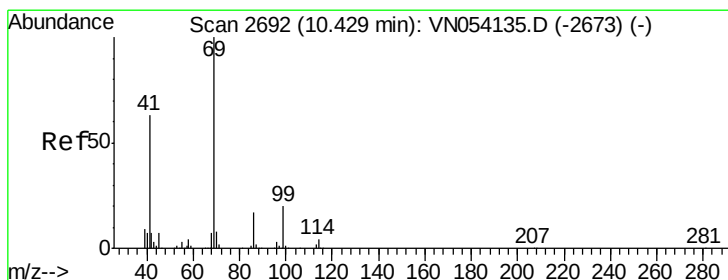
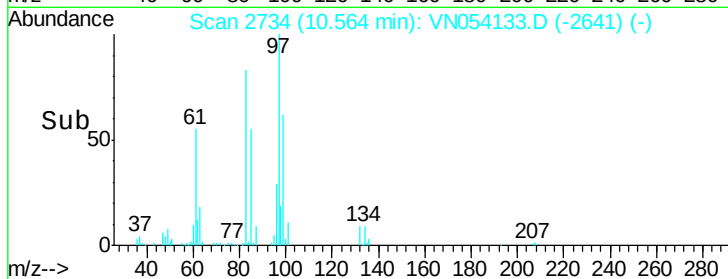
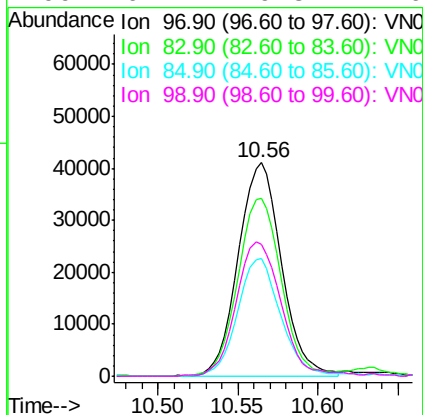
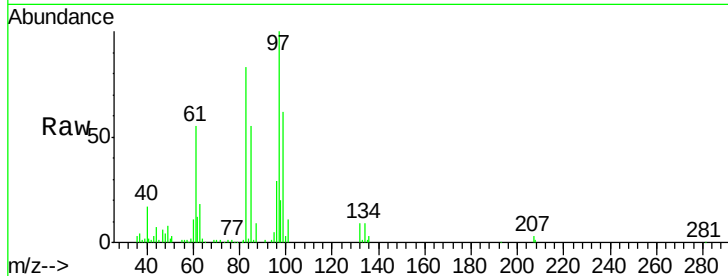




#55
 1,1,2-Trichloroethane
 Concen: 4.950 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

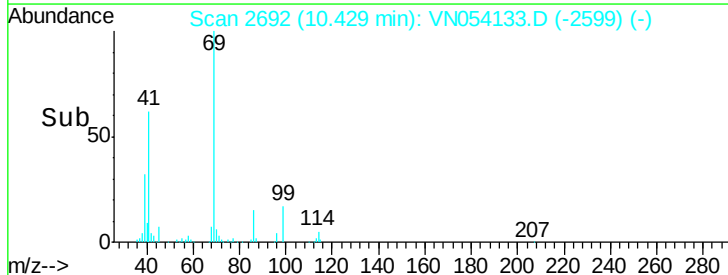
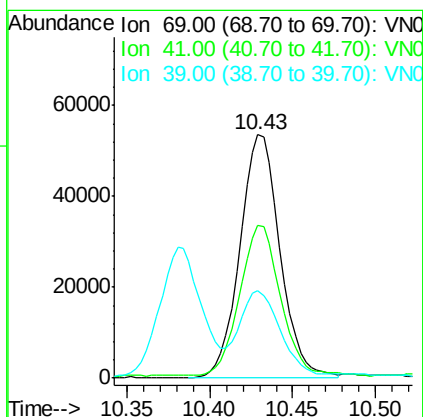
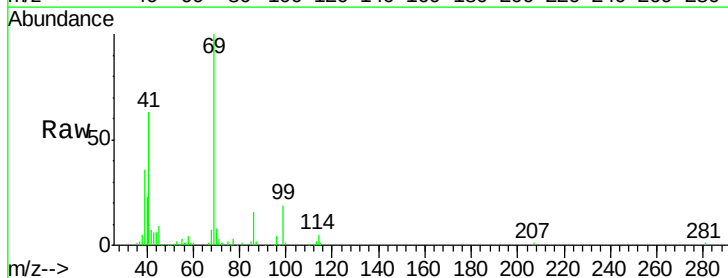
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

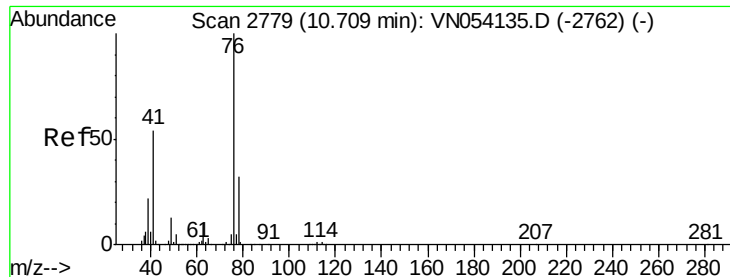
Tot Ion:	97	Resp:	75874
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.8	104.6
85	55.0	45.0	67.4
99	61.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 4.814 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:	69	Resp:	90318
Ion	Ratio	Lower	Upper
69	100		
41	63.1	53.4	80.2
39	36.7	25.6	38.4





#57

1,3-Dichloropropane

Concen: 5.033 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

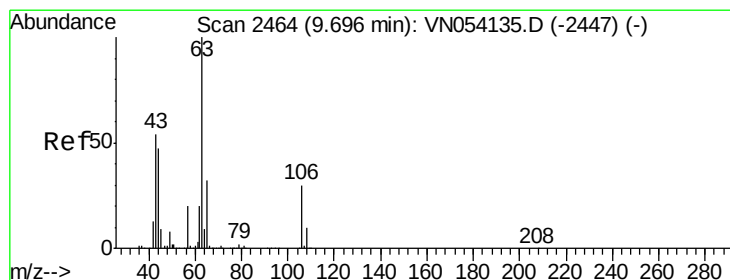
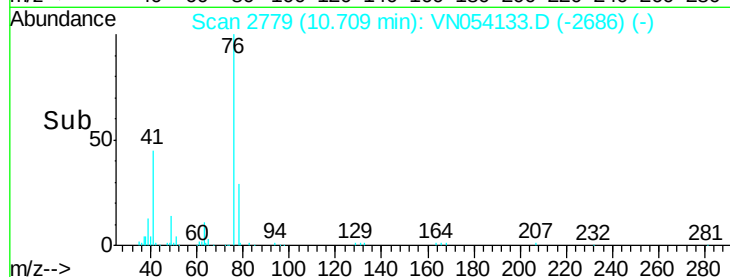
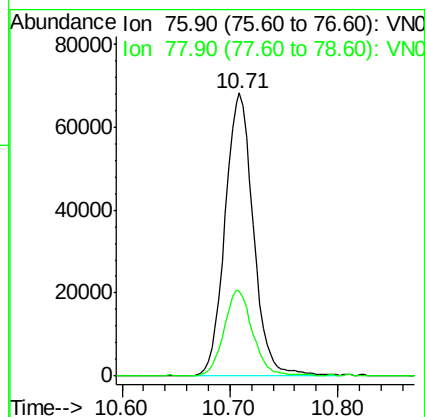
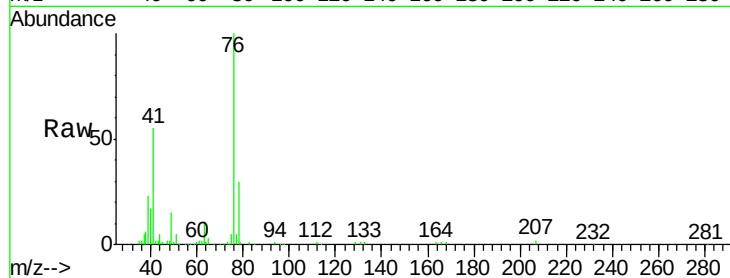
VSTDIC005

Tot Ion: 76 Resp: 124863

Ion Ratio Lower Upper

76 100

78 30.6 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 25.801 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054133.D

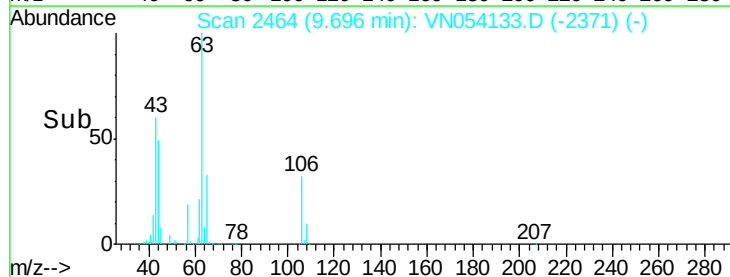
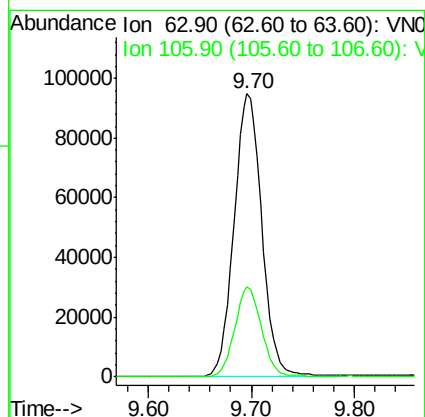
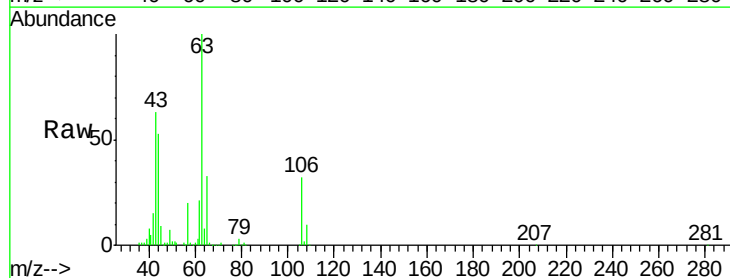
Acq: 11 Mar 2019 10:38

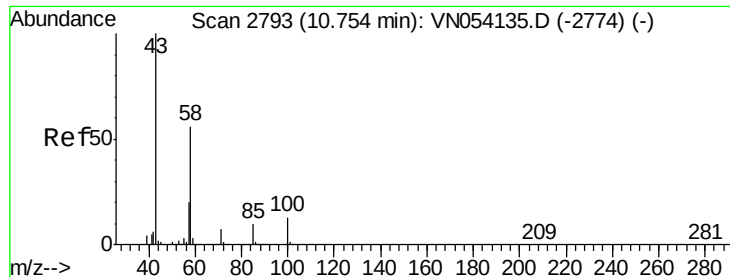
Tgt Ion: 63 Resp: 178708

Ion Ratio Lower Upper

63 100

106 30.4 20.2 30.2#

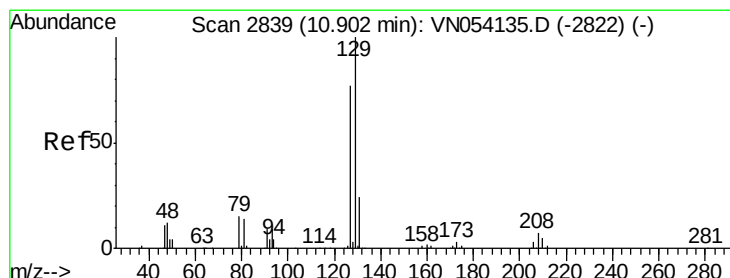
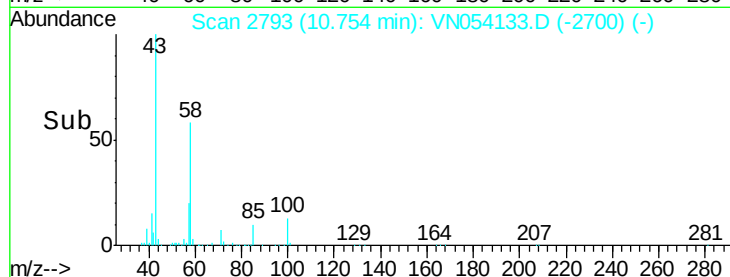
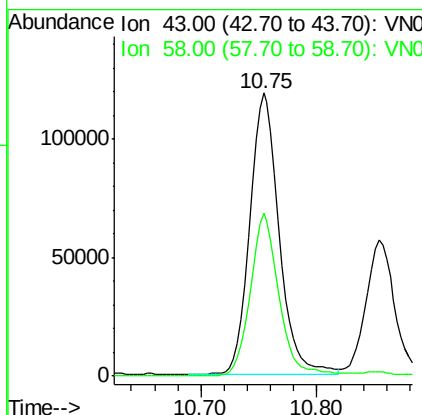
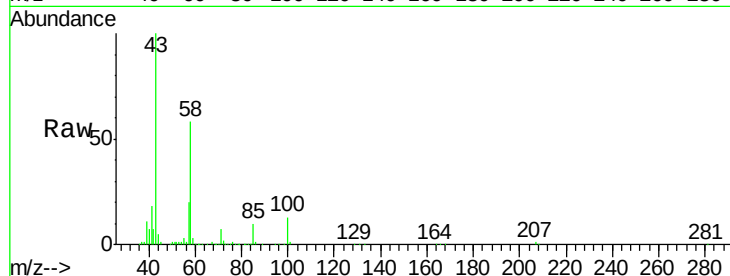




#59
2-Hexanone
Concen: 24.897 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

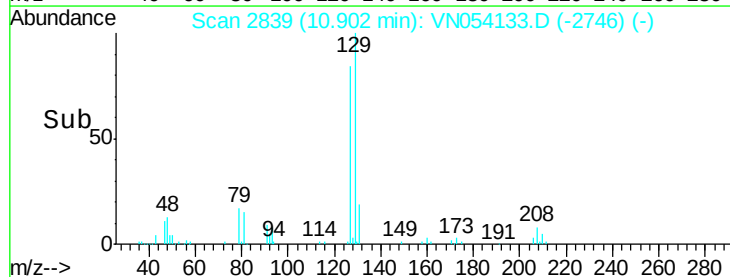
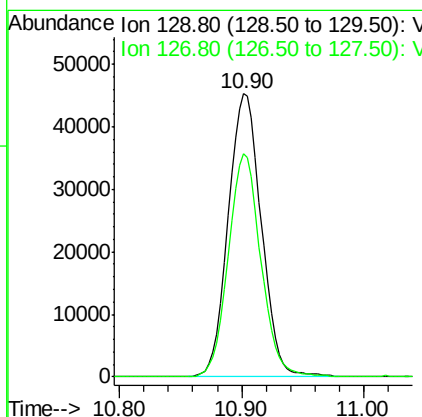
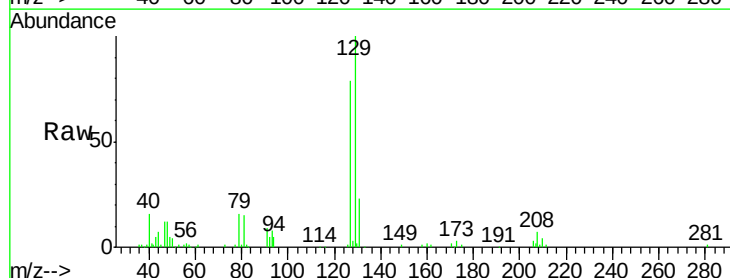
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

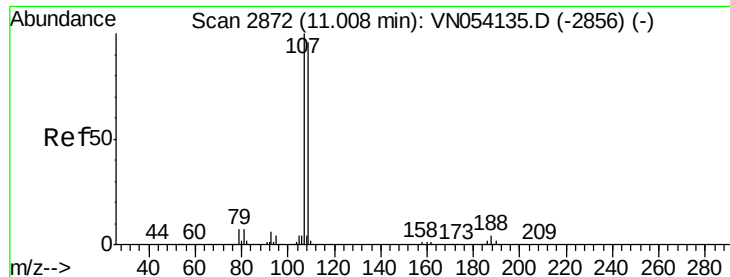
Tot Ion: 43 Resp: 211098
Ion Ratio Lower Upper
43 100
58 56.6 27.0 81.0



#60
Dibromochloromethane
Concen: 4.824 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 129 Resp: 85645
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.057 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

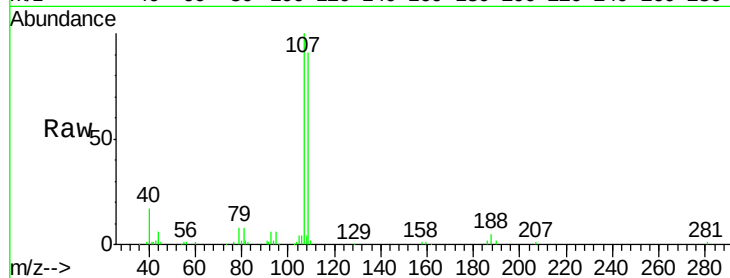
VSTDIC005

Tot Ion:107 Resp: 77895

Ion Ratio Lower Upper

107 100

109 92.7 74.9 112.3

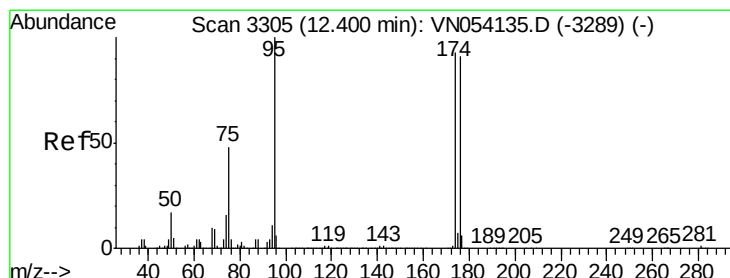
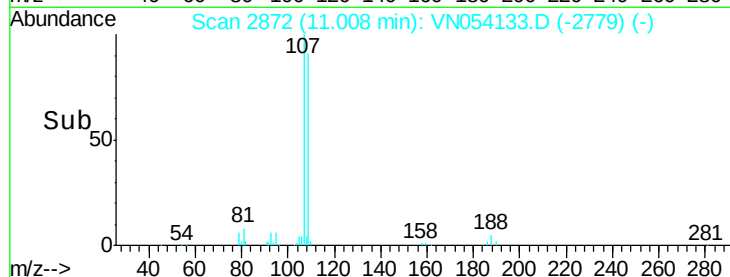


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

Time-->



#62

4-Bromofluorobenzene

Concen: 4.772 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

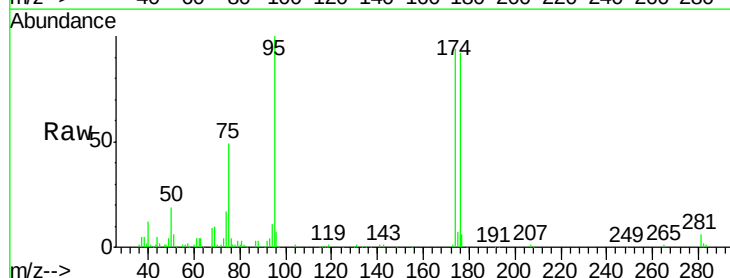
Tgt Ion: 95 Resp: 100820

Ion Ratio Lower Upper

95 100

174 97.1 0.0 173.2

176 94.4 0.0 168.8



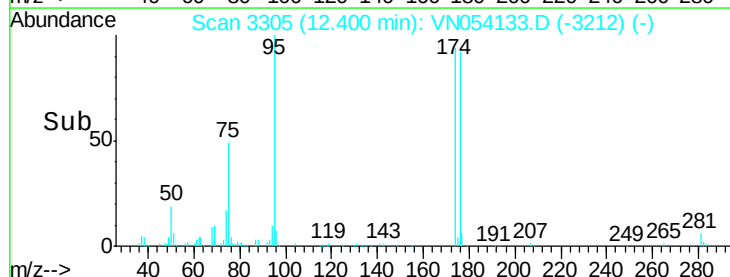
Abundance Ion 94.90 (94.60 to 95.60): V

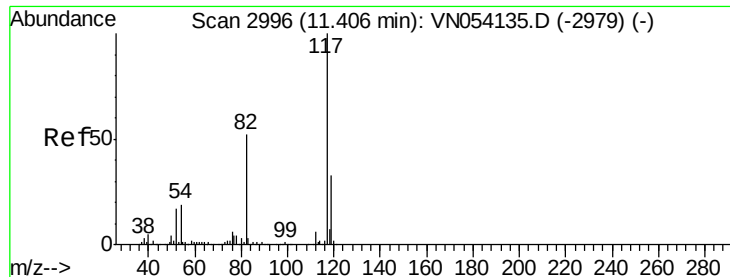
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time-->

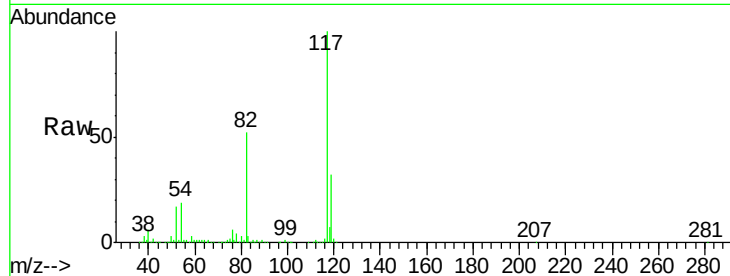




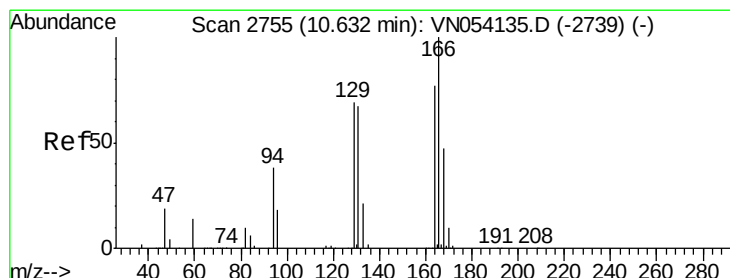
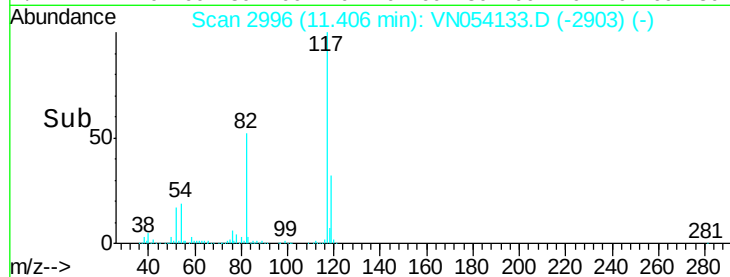
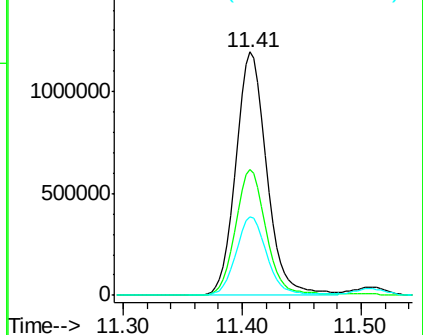
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 2160102
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.2
119 32.5 26.0 39.0

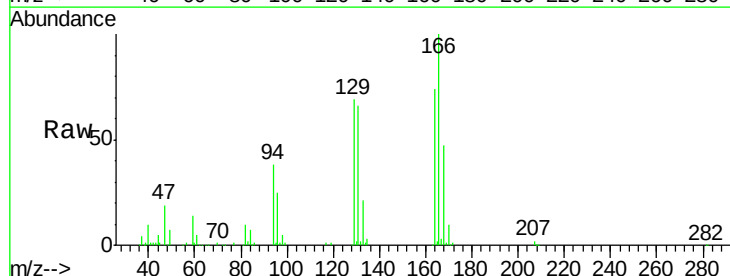


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

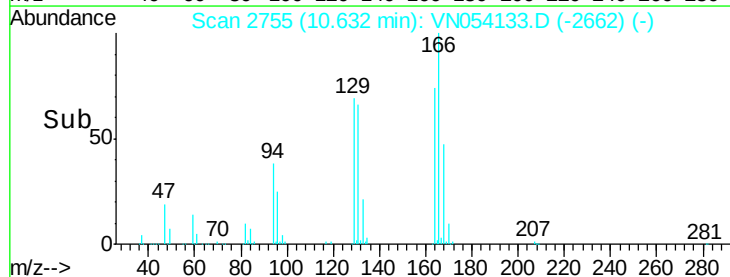
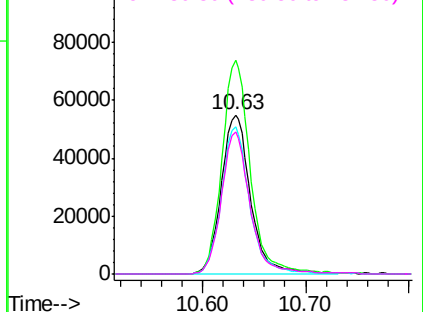


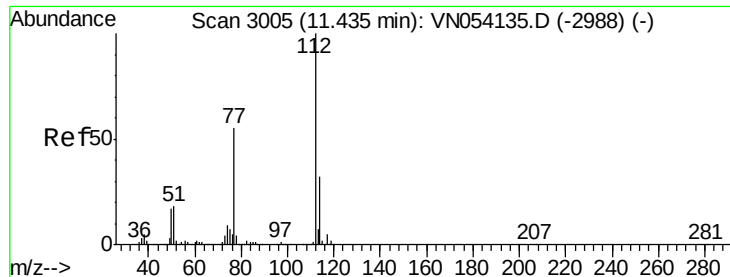
#64
Tetrachloroethene
Concen: 5.471 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion:164 Resp: 108823
Ion Ratio Lower Upper
164 100
166 134.3 101.3 151.9
129 92.5 73.2 109.8
131 89.1 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

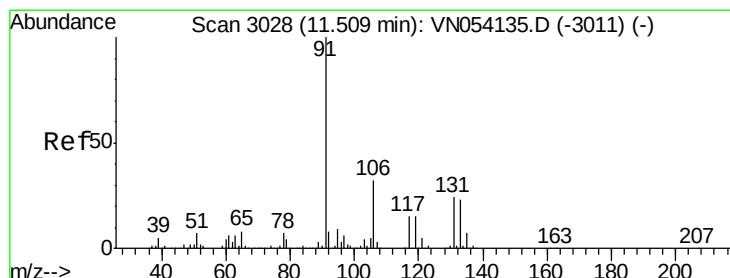
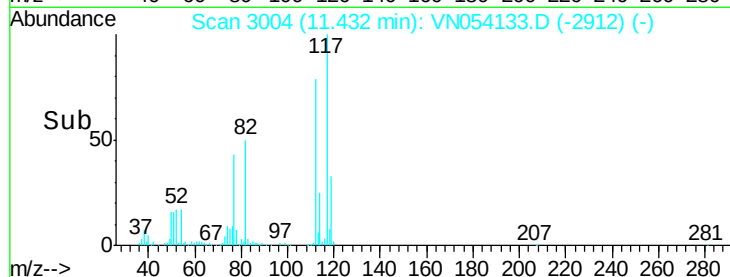
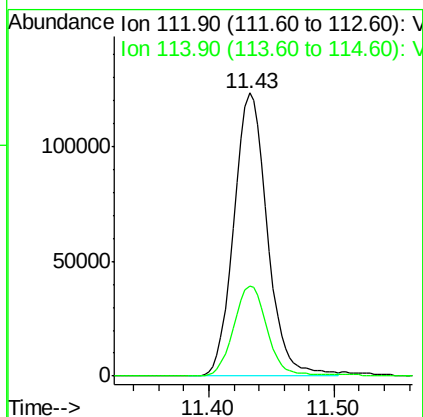
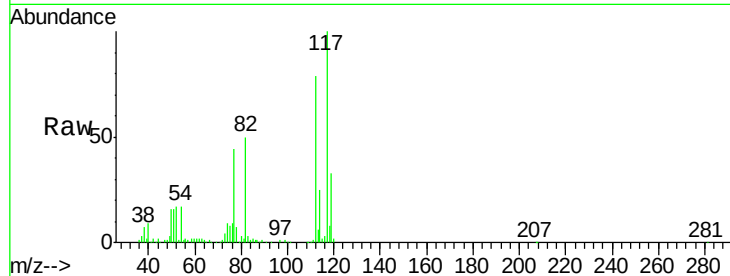




#65
Chlorobenzene
Concen: 5.012 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

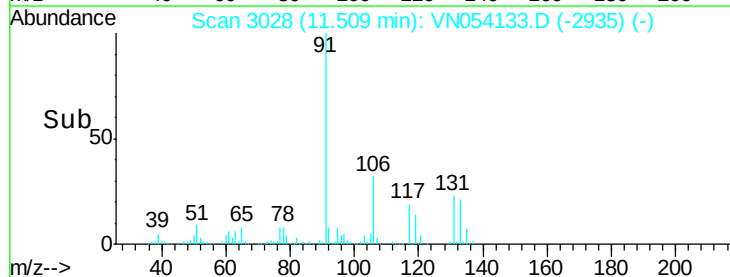
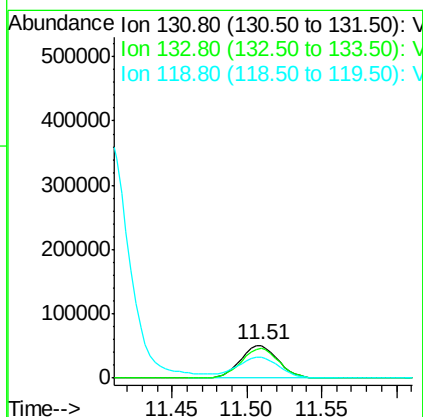
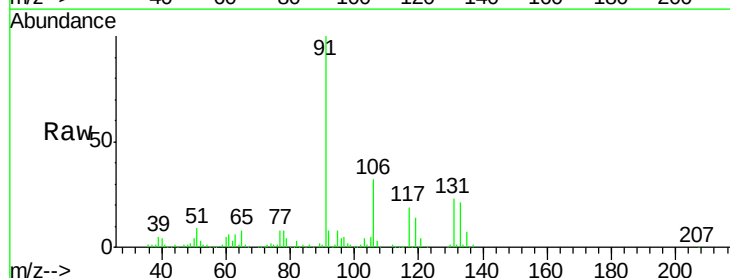
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

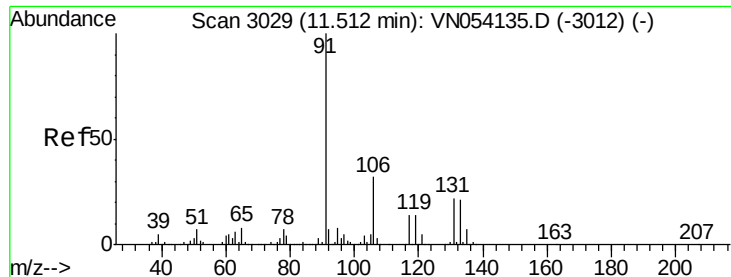
Tot Ion:112 Resp: 229400
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.193 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion:131 Resp: 89417
Ion Ratio Lower Upper
131 100
133 91.9 47.6 142.9
119 71.2 33.8 101.3

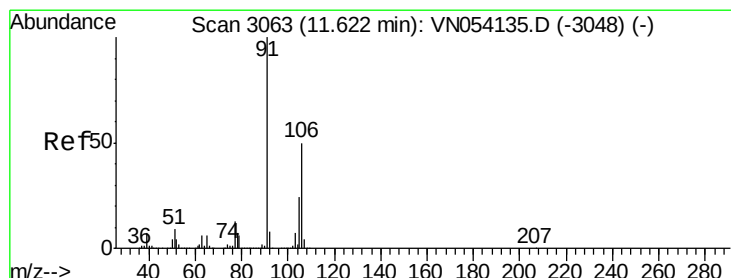
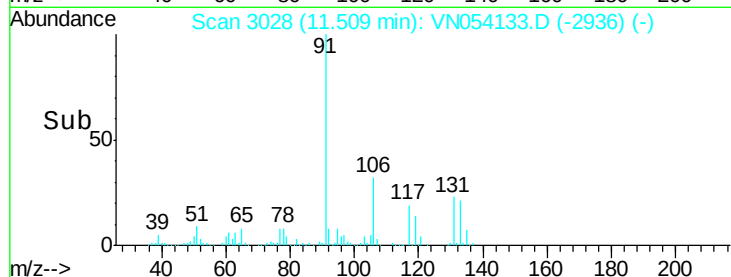
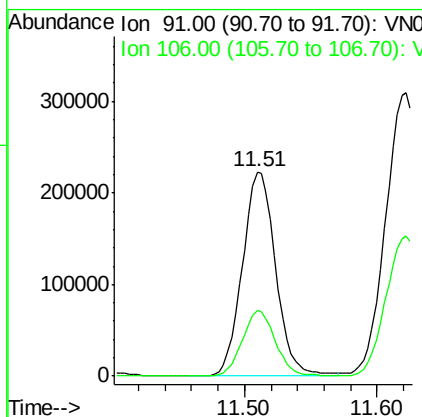
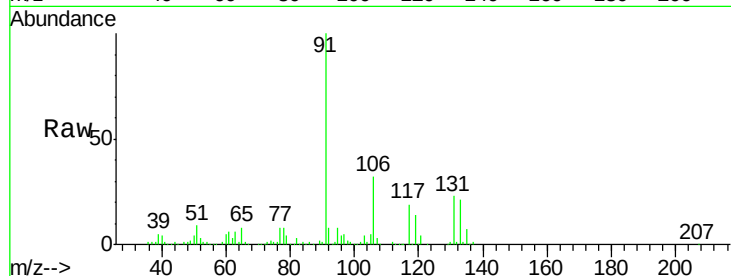




#67
Ethyl Benzene
Concen: 5.119 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

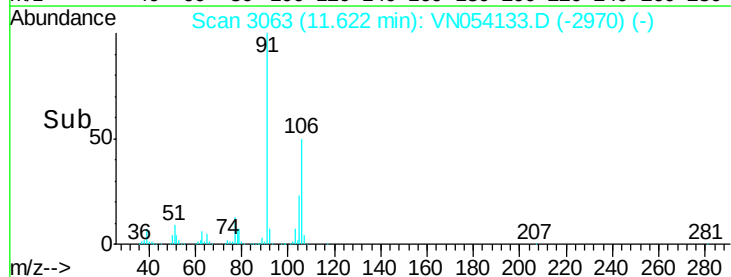
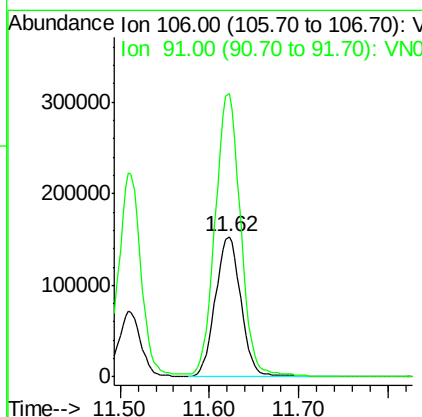
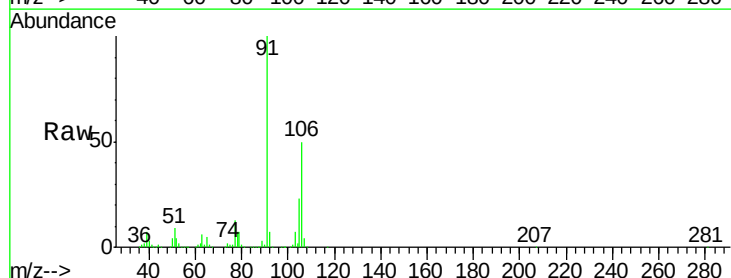
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

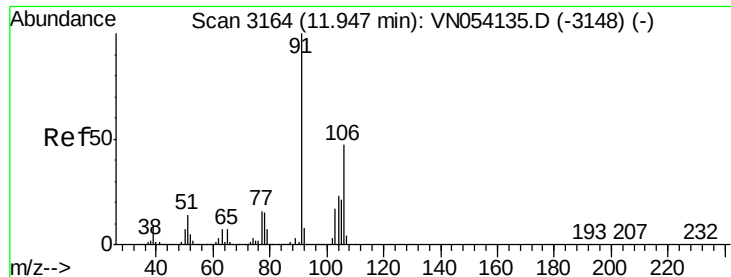
Tot Ion: 91 Resp: 389452
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8



#68
m/p-Xylenes
Concen: 10.279 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 106 Resp: 305834
Ion Ratio Lower Upper
106 100
91 200.7 163.2 244.8





#69

o-Xylene

Concen: 5.261 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

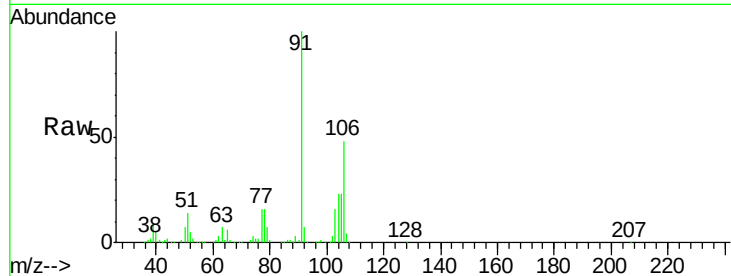
VSTDIC005

Tot Ion:106 Resp: 153654

Ion Ratio Lower Upper

106 100

91 207.4 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

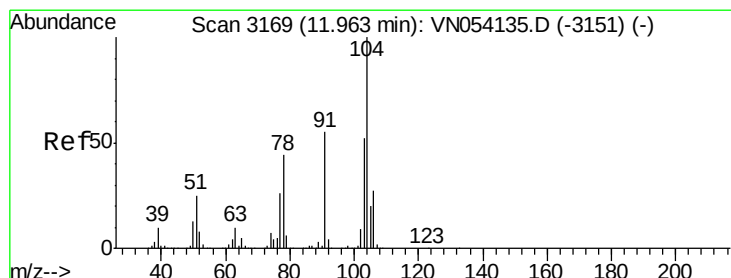
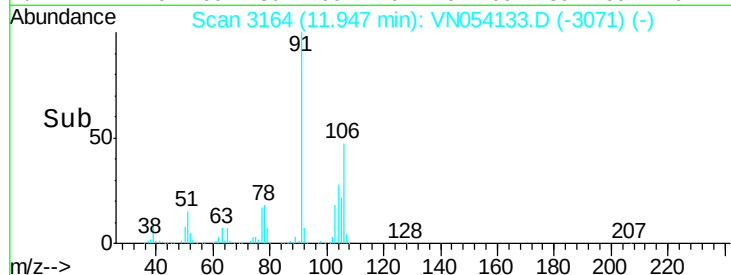
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 4.885 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

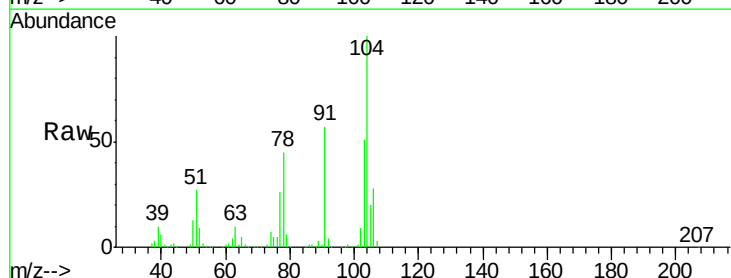
Tgt Ion:104 Resp: 221014

Ion Ratio Lower Upper

104 100

78 48.9 39.4 59.0

103 56.0 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

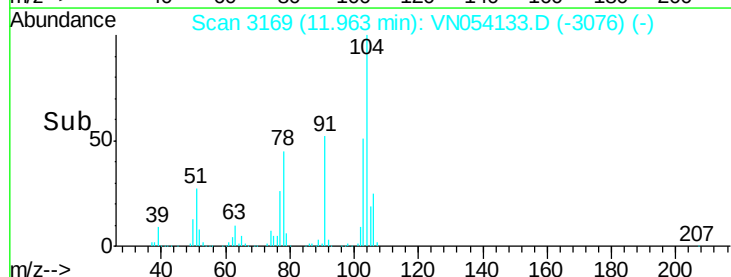
100000

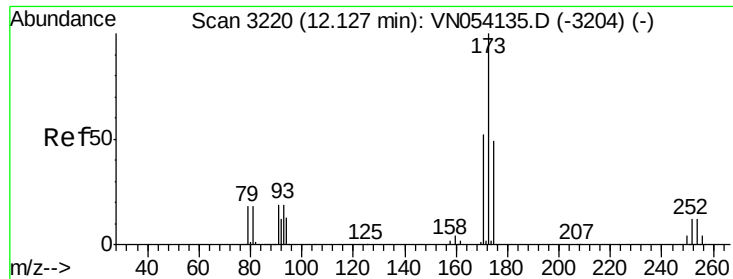
50000

0

11.90 11.96 12.00 12.10

Time-->





#71

Bromoform

Concen: 4.775 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

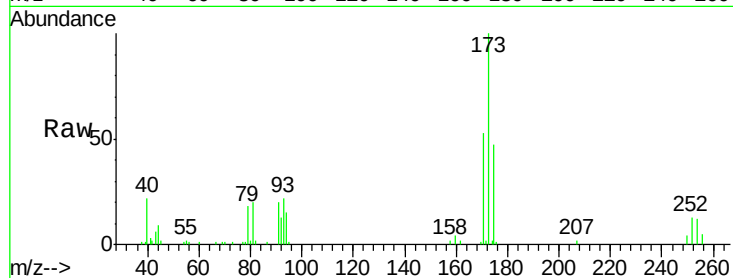
Tot Ion:173 Resp: 56976

Ion Ratio Lower Upper

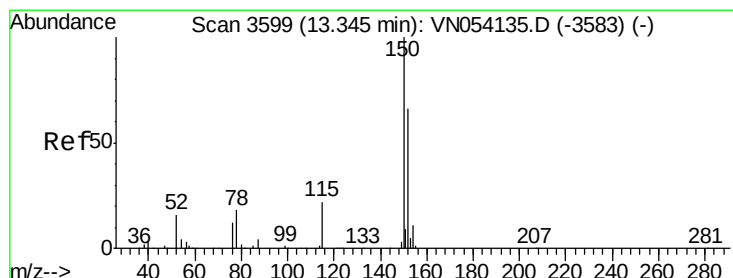
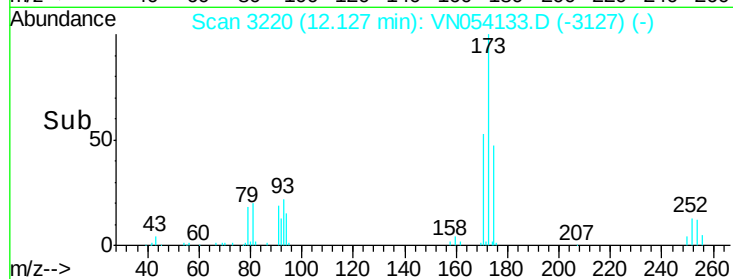
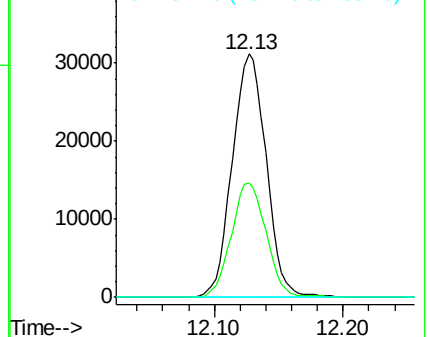
173 100

175 48.1 24.1 72.2

254 0.0 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: VN054133.D

Acq: 11 Mar 2019 10:38

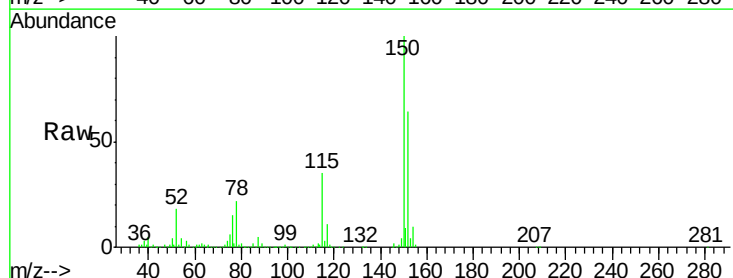
Tgt Ion:152 Resp: 931200

Ion Ratio Lower Upper

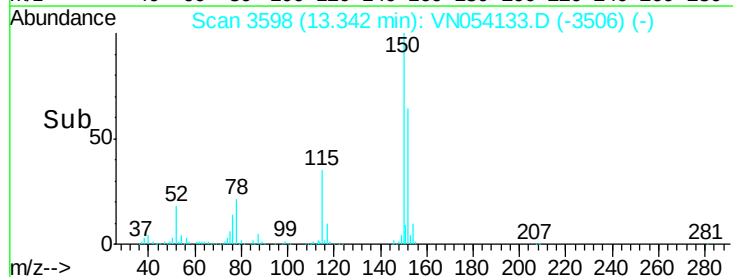
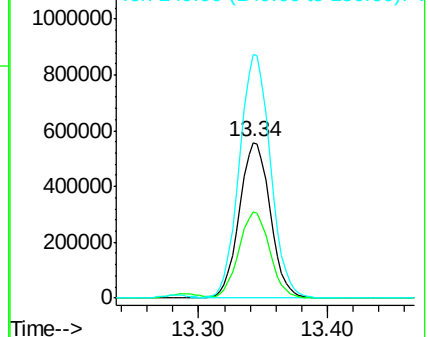
152 100

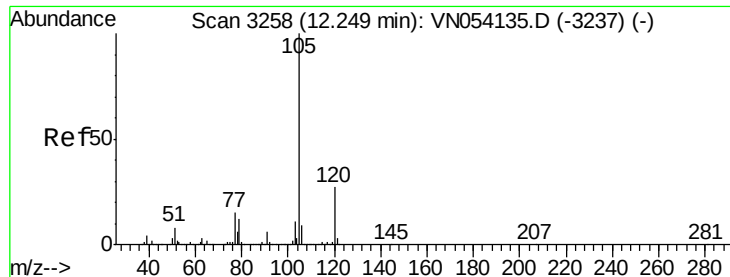
115 55.0 28.5 85.6

150 157.5 0.0 343.2



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





#73

Isopropylbenzene

Concen: 5.438 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

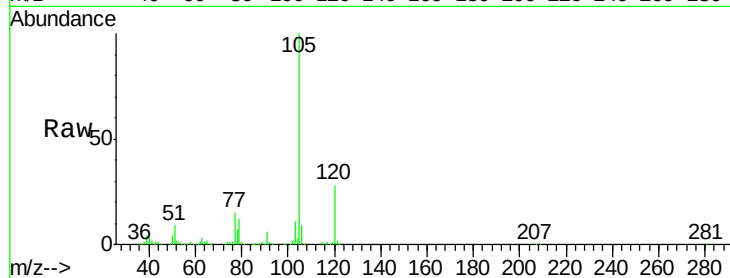
VSTDIC005

Tot Ion:105 Resp: 402760

Ion Ratio Lower Upper

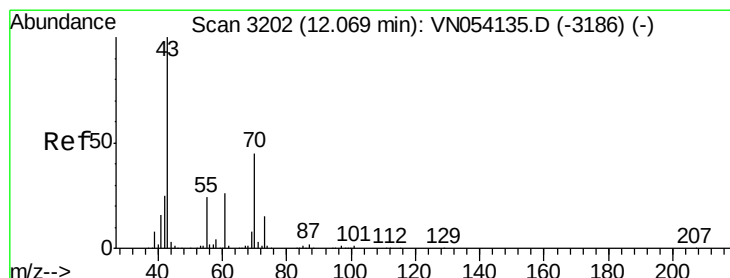
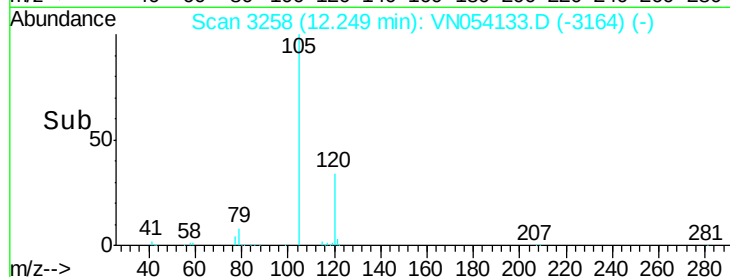
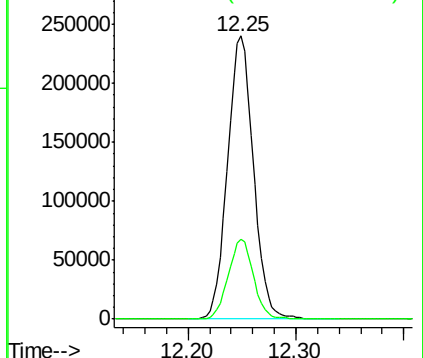
105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.966 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Tgt Ion: 43 Resp: 83777

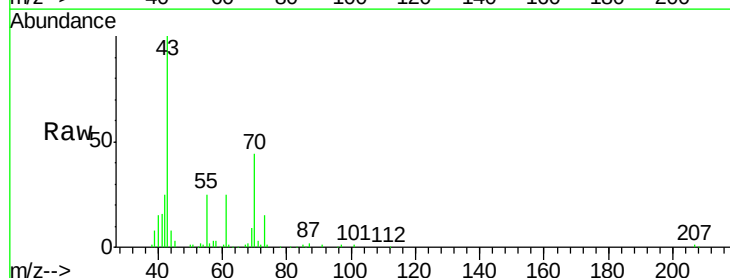
Ion Ratio Lower Upper

43 100

70 46.4 33.6 50.4

55 25.4 20.6 31.0

61 25.0 19.4 29.2

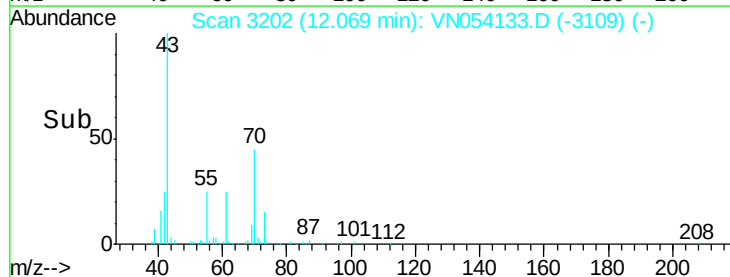
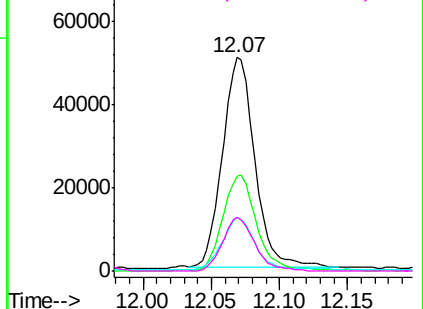


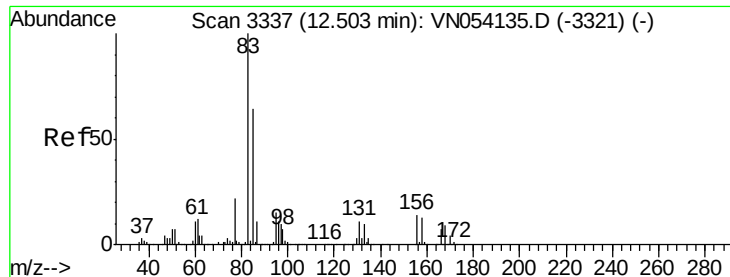
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.325 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

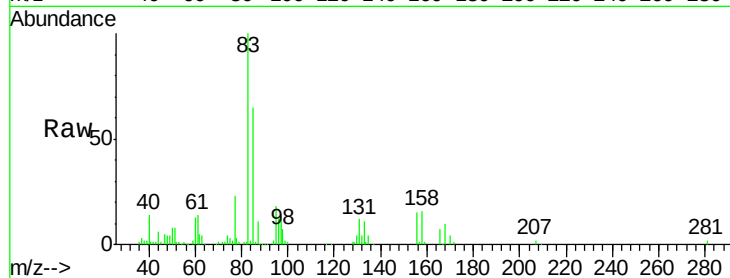
Tot Ion: 83 Resp: 85347

Ion Ratio Lower Upper

83 100

131 12.0 5.0 14.9

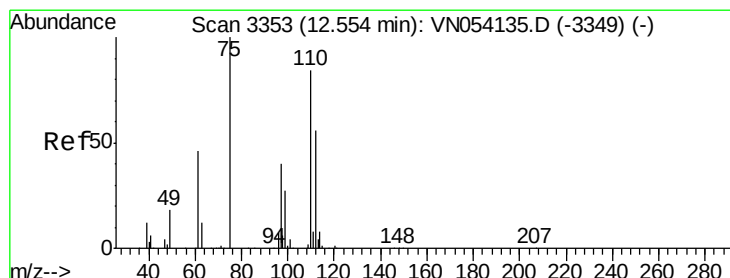
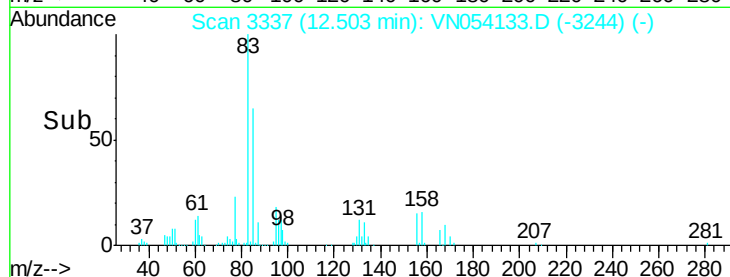
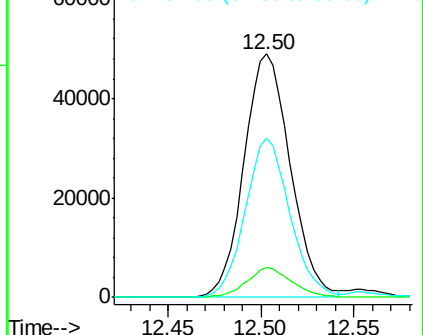
85 62.9 32.4 97.0



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: 8.314 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054133.D

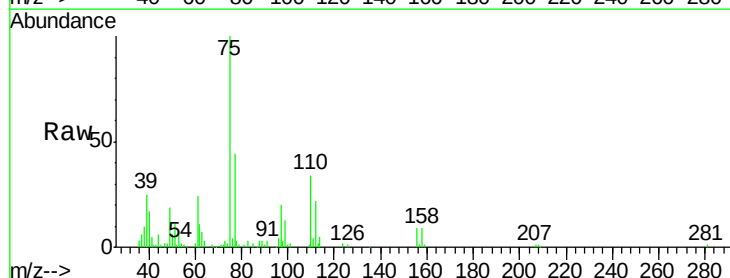
Acq: 11 Mar 2019 10:38

Tgt Ion: 75 Resp: 109325

Ion Ratio Lower Upper

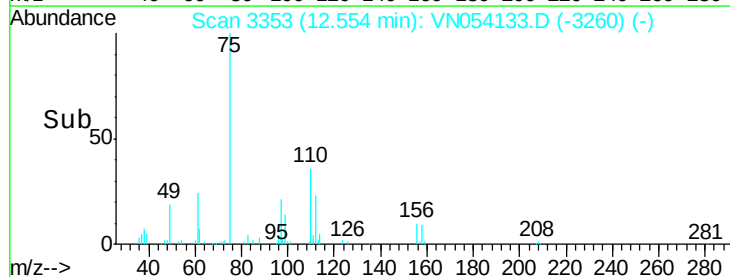
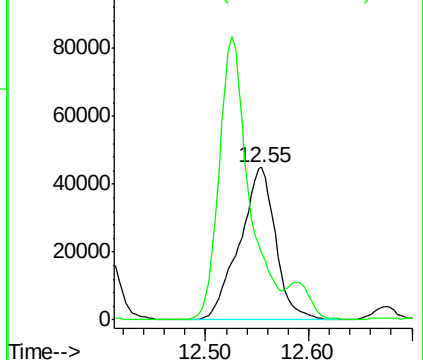
75 100

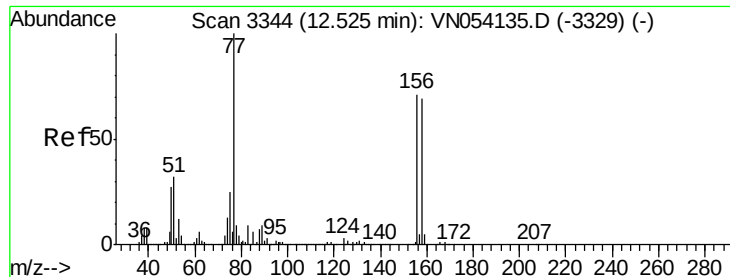
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.305 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

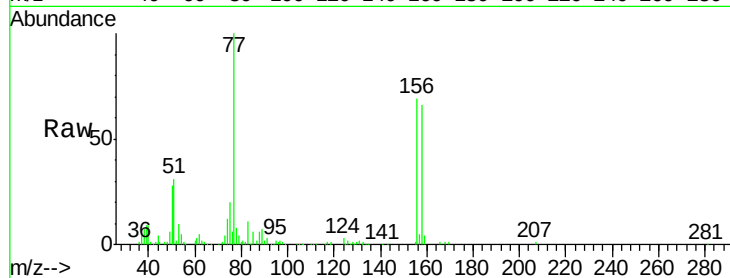
Tot Ion:156 Resp: 102277

Ion Ratio Lower Upper

156 100

77 164.2 93.6 280.8

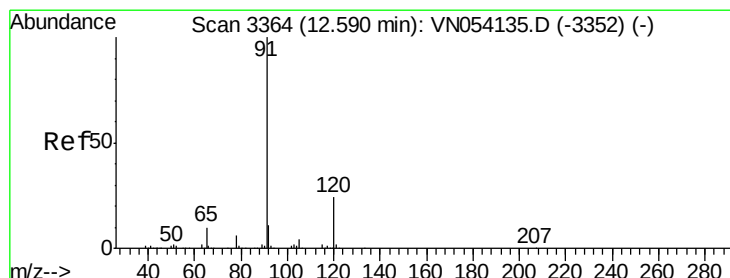
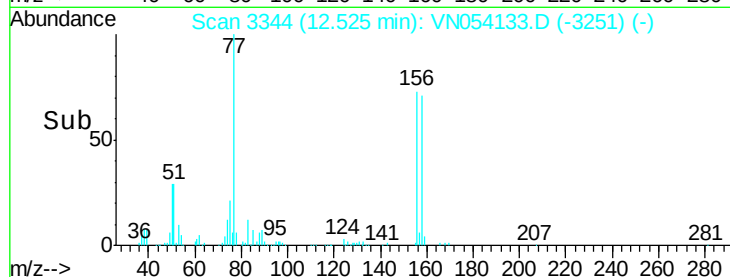
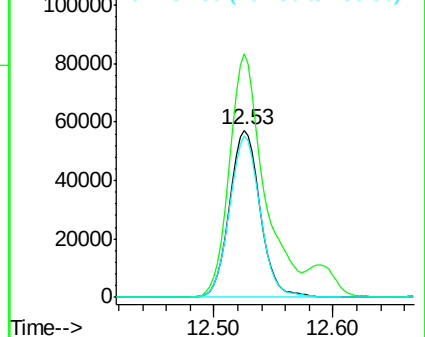
158 96.6 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.280 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054133.D

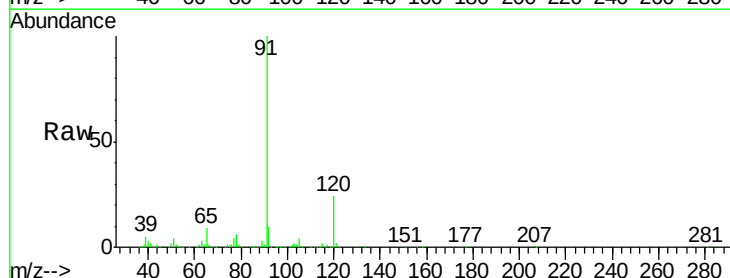
Acq: 11 Mar 2019 10:38

Tgt Ion: 91 Resp: 418456

Ion Ratio Lower Upper

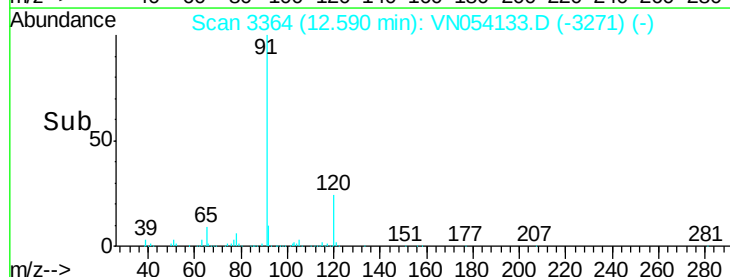
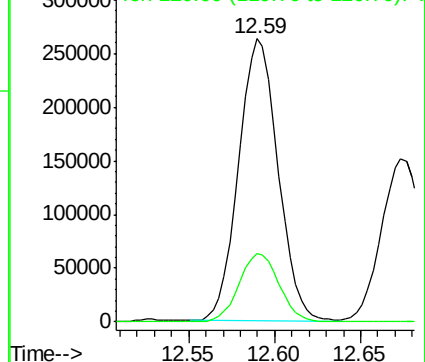
91 100

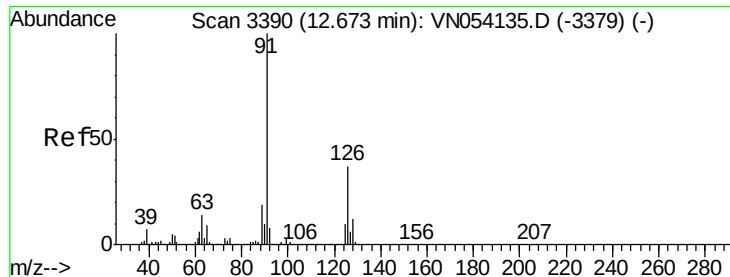
120 24.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.308 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampleId :

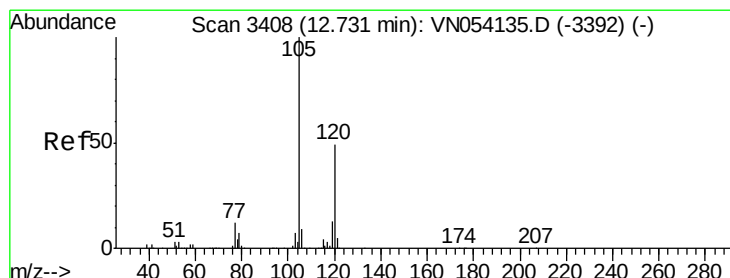
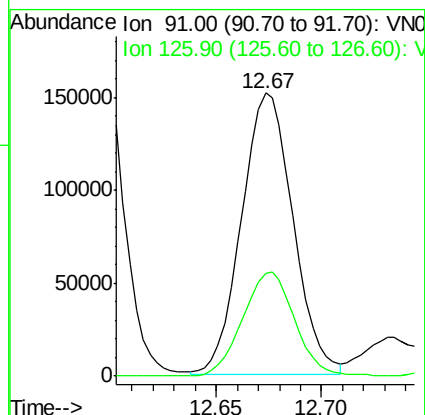
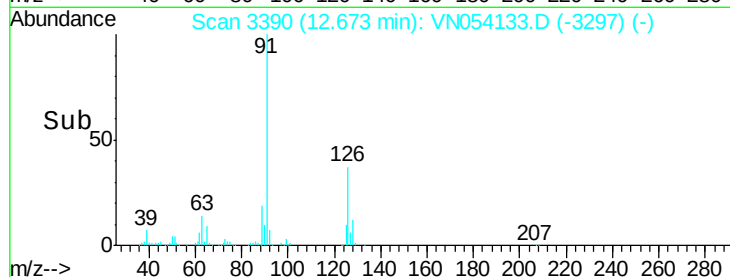
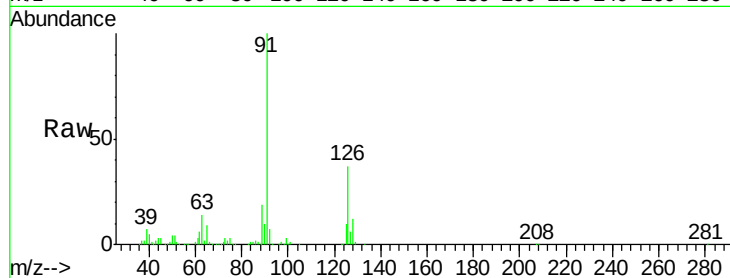
VSTDIC005

Tot Ion: 91 Resp: 257544

Ion Ratio Lower Upper

91 100

126 37.4 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 5.416 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054133.D

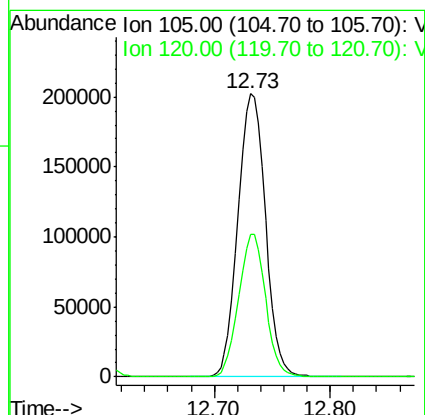
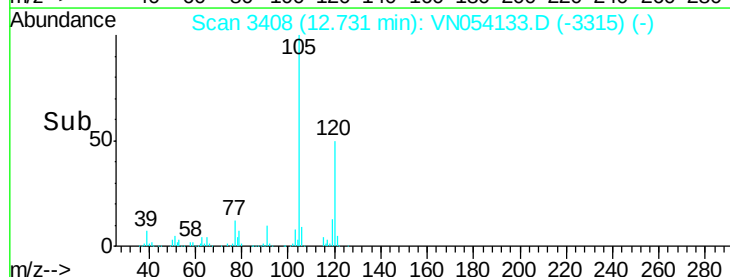
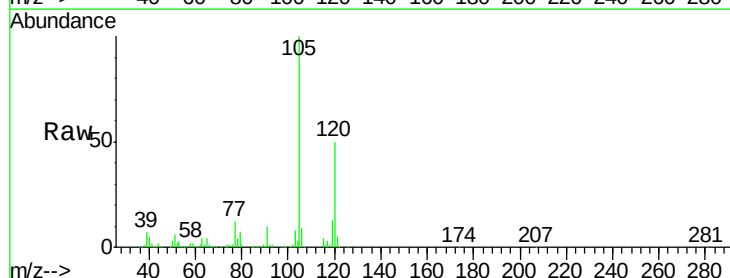
Acq: 11 Mar 2019 10:38

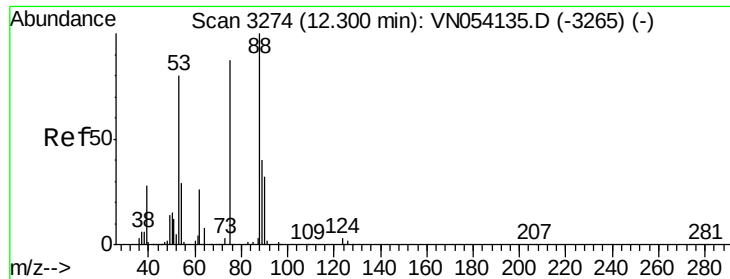
Tgt Ion: 105 Resp: 332535

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8

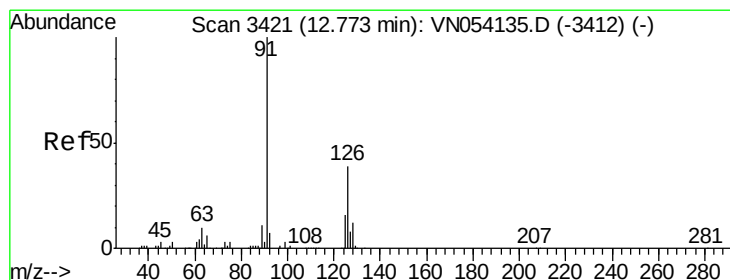
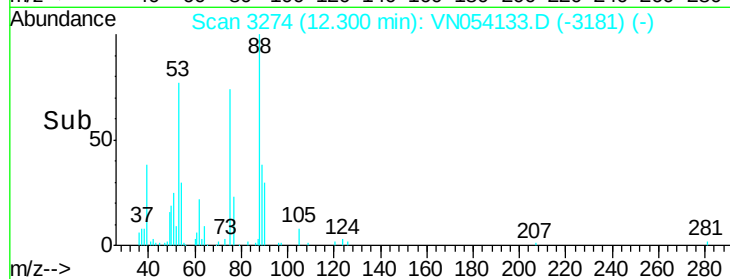
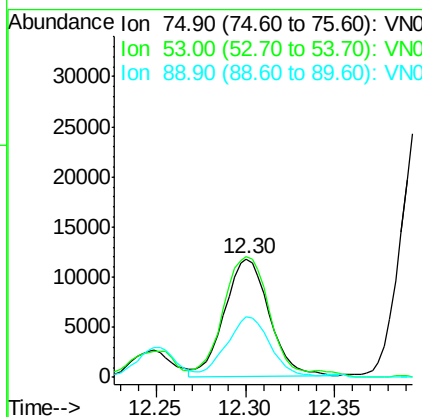
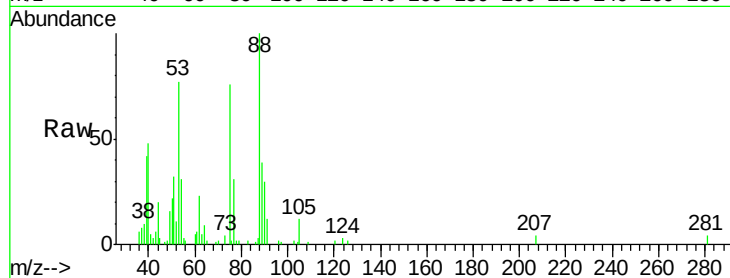




#81
trans-1,4-Dichloro-2-butene
Concen: 4.648 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

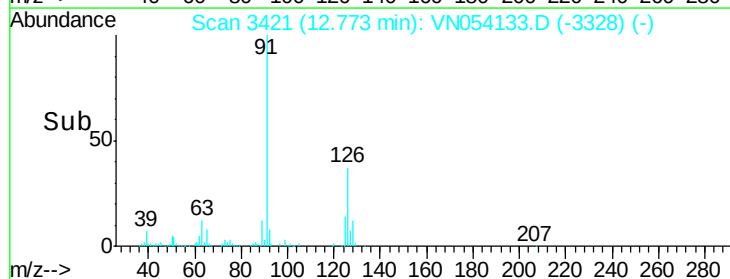
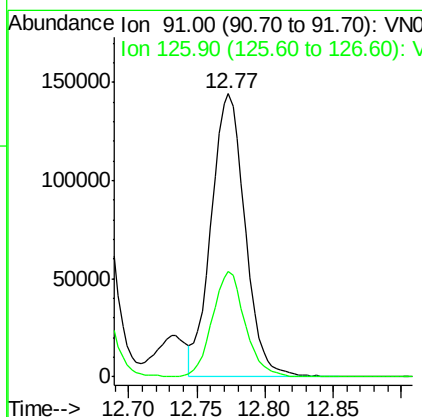
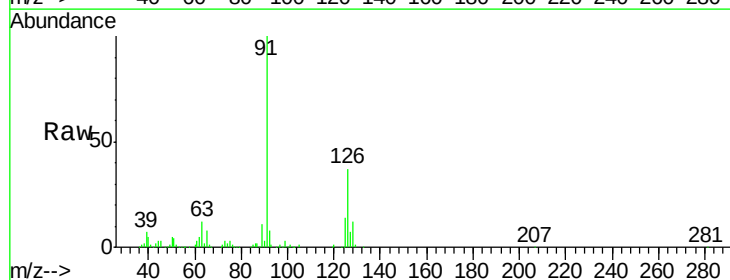
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

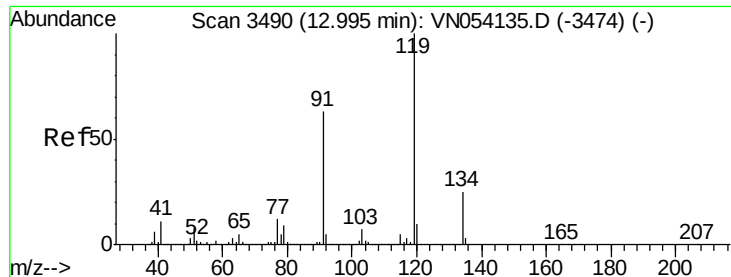
Tot Ion: 75 Resp: 20533
Ion Ratio Lower Upper
75 100
53 109.0 76.4 114.6
89 50.6 35.3 52.9



#82
4-Chlorotoluene
Concen: 5.214 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 91 Resp: 246632
Ion Ratio Lower Upper
91 100
126 36.4 17.1 51.3

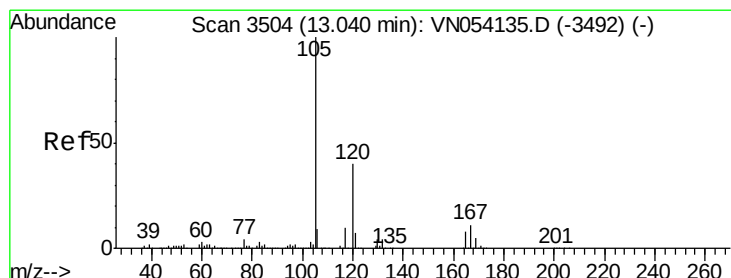
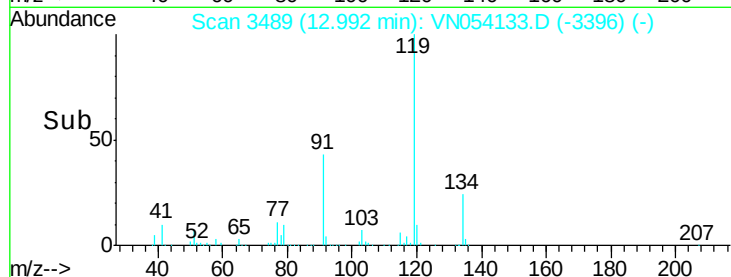
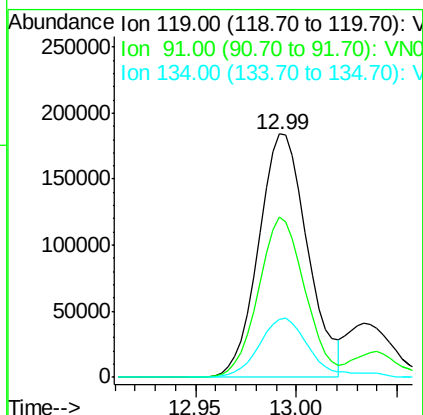
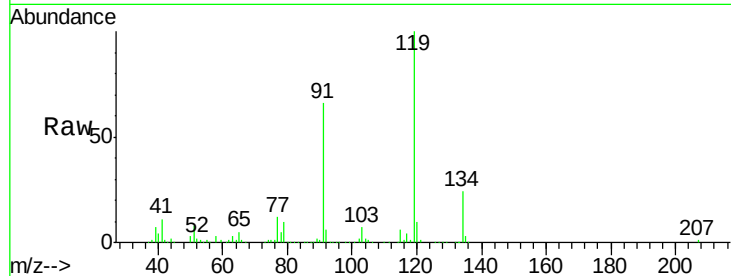




#83
 tert-Butylbenzene
 Concen: 5.491 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

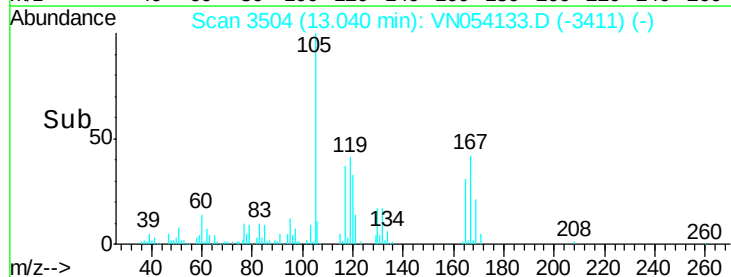
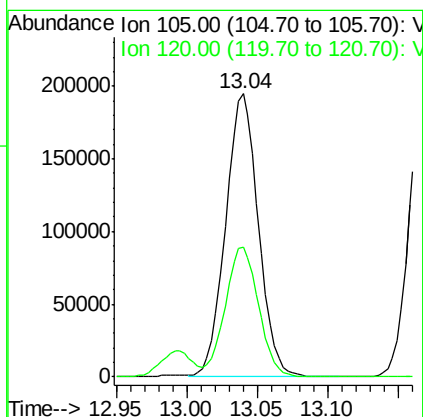
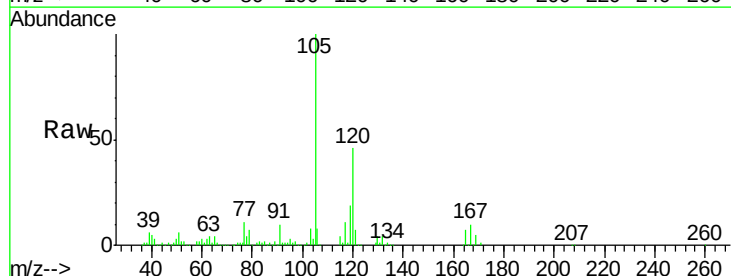
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

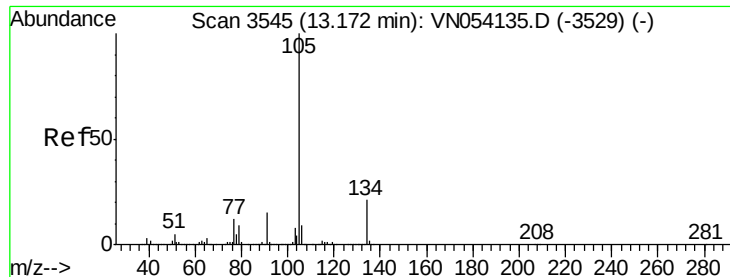
Tot Ion:119 Resp: 311380
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.8 95.3
 134 25.4 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 5.247 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:105 Resp: 315430
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.6 67.7





#85

sec-Butylbenzene

Concen: 5.410 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

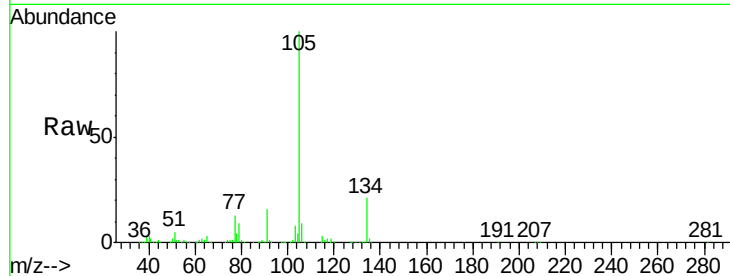
VSTDIC005

Tot Ion:105 Resp: 397471

Ion Ratio Lower Upper

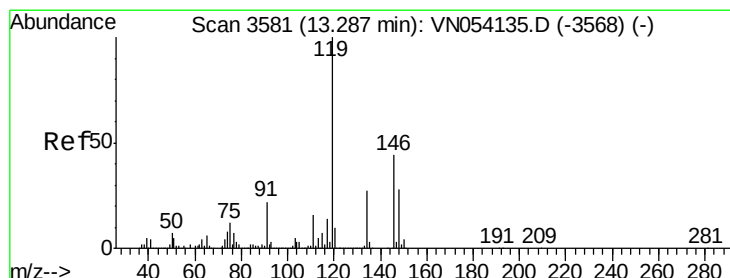
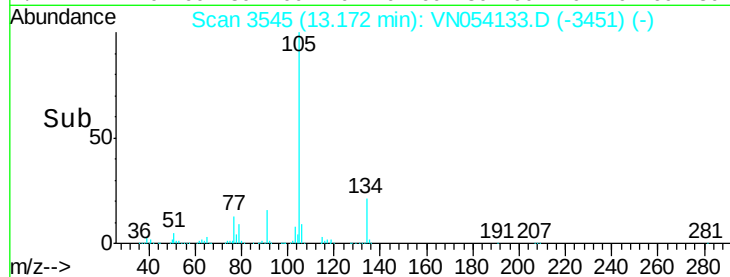
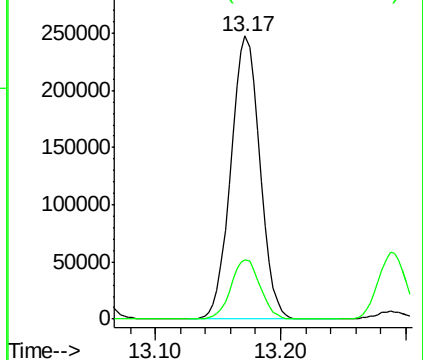
105 100

134 21.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.264 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

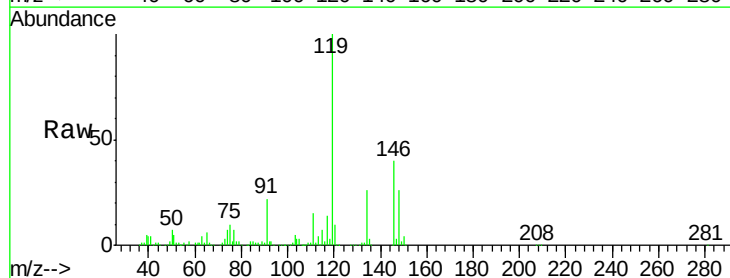
Tgt Ion:119 Resp: 337518

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

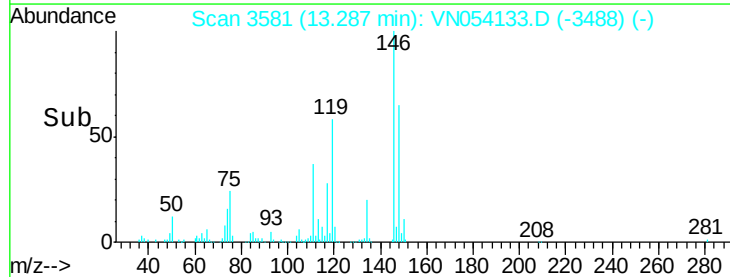
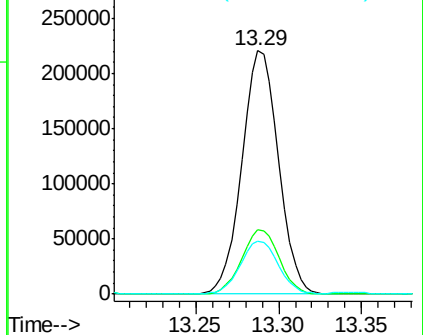
91 22.5 11.4 34.2

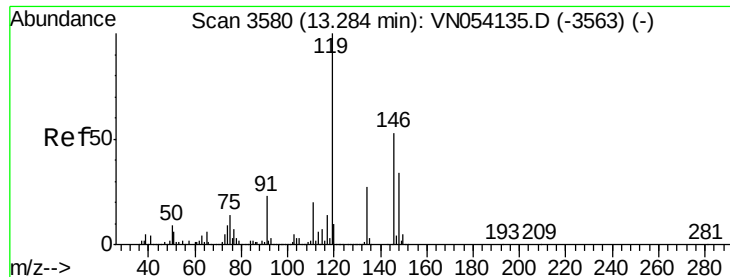


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

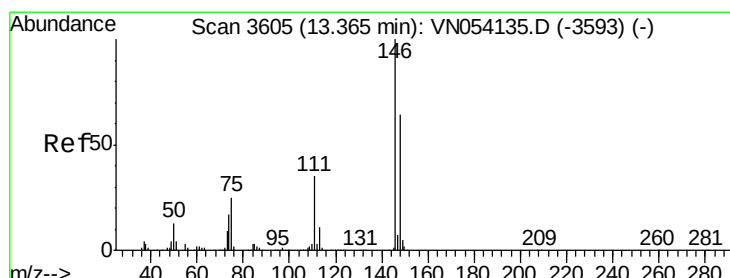
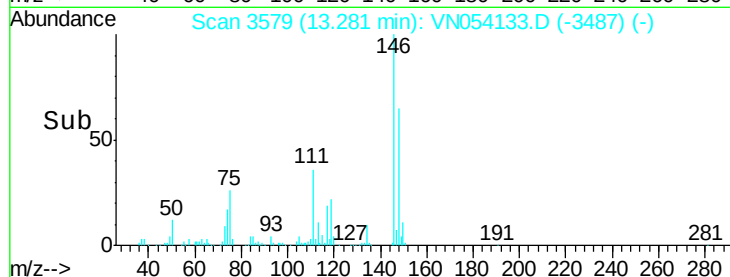
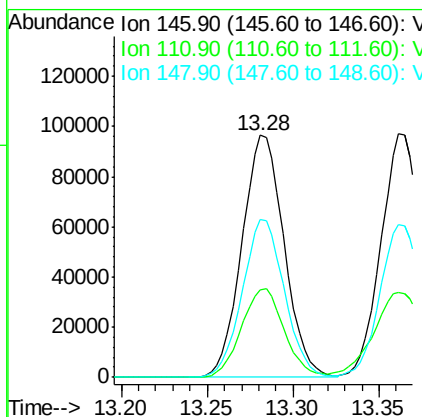
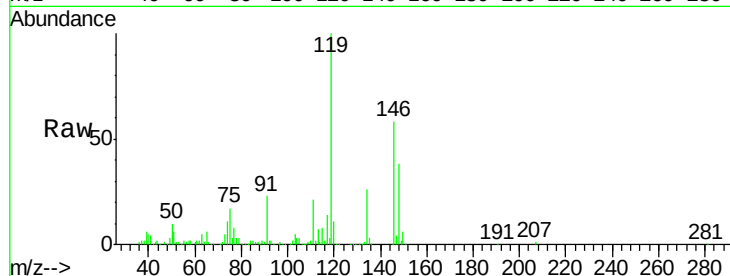




#87
 1,3-Dichlorobenzene
 Concen: 5.099 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

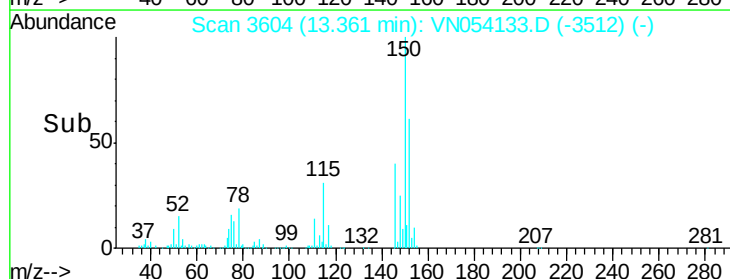
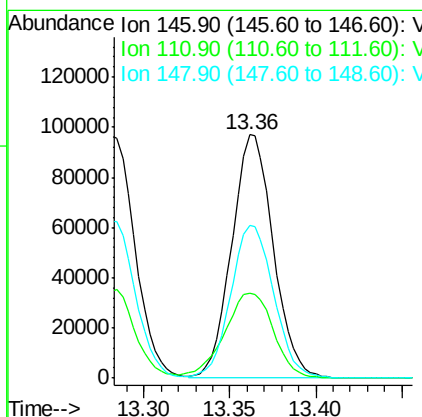
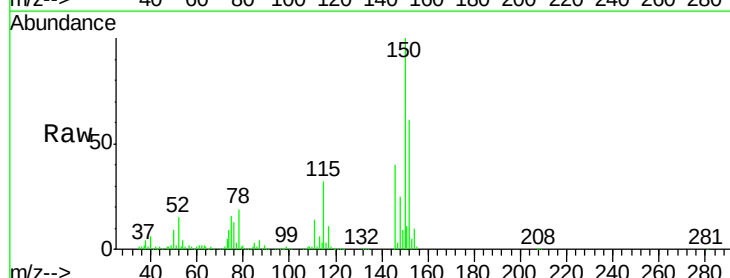
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

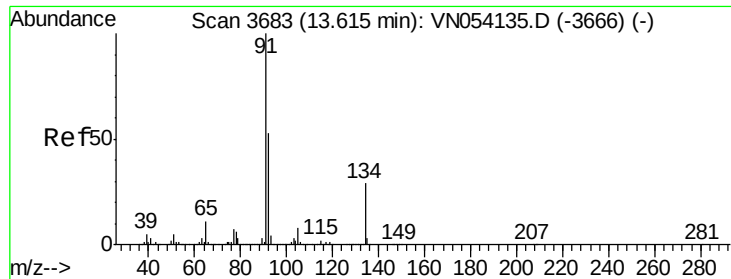
Tot Ion:146 Resp: 164280
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.3 57.8
 148 64.9 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 5.099 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:146 Resp: 162205
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.9 56.5
 148 65.6 32.1 96.5

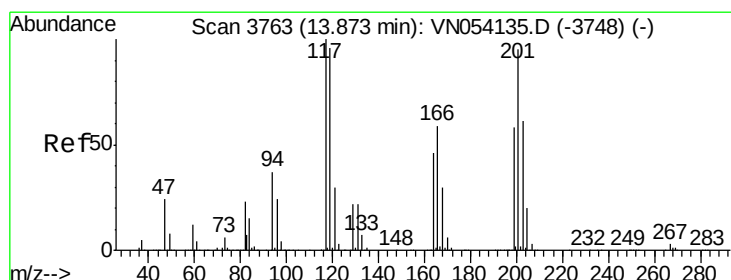
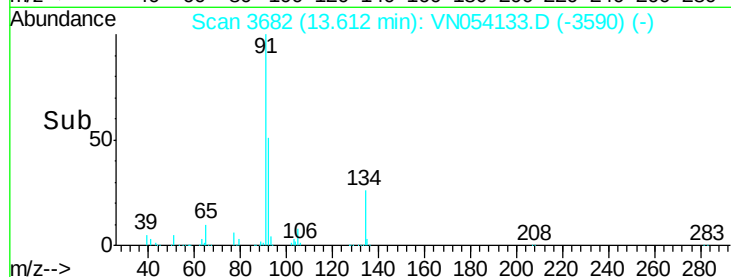
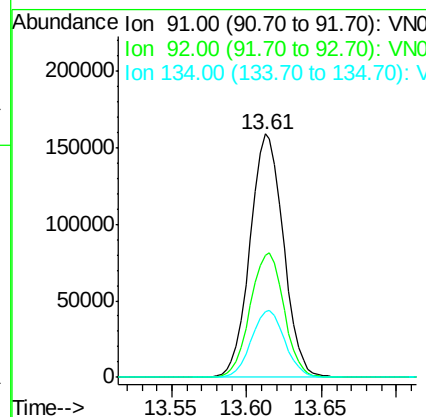
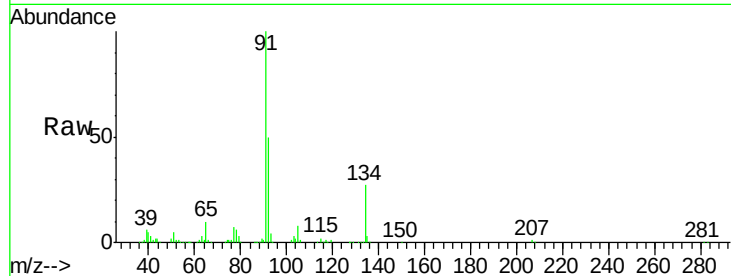




#89
n-Butylbenzene
Concen: 5.027 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

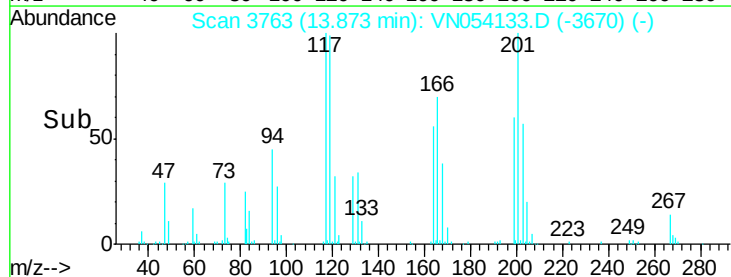
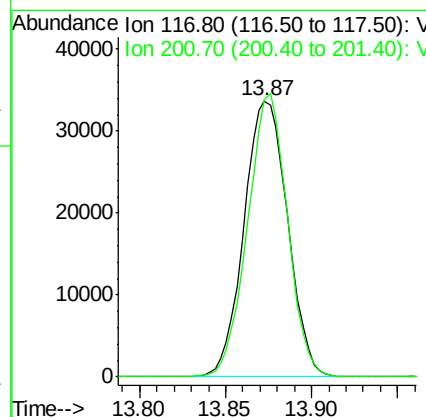
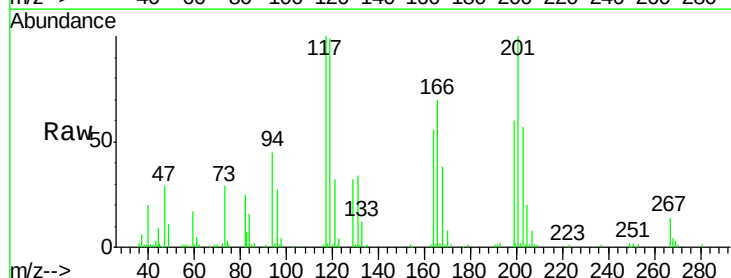
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

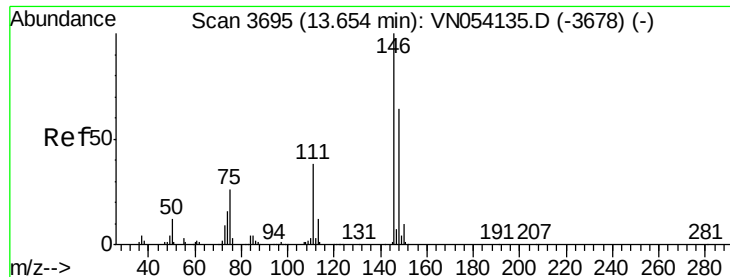
Tot Ion: 91 Resp: 247152
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 27.6 13.1 39.1



#90
Hexachloroethane
Concen: 5.166 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054133.D
Acq: 11 Mar 2019 10:38

Tgt Ion: 117 Resp: 59147
Ion Ratio Lower Upper
117 100
201 94.1 44.9 134.7

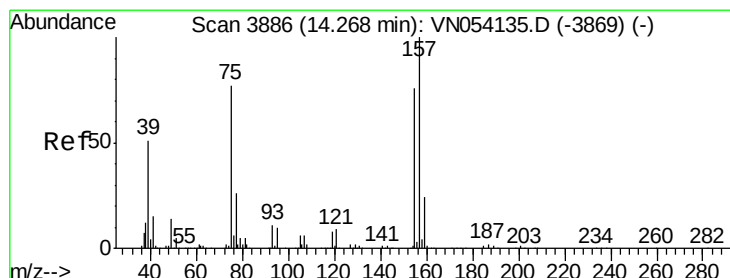
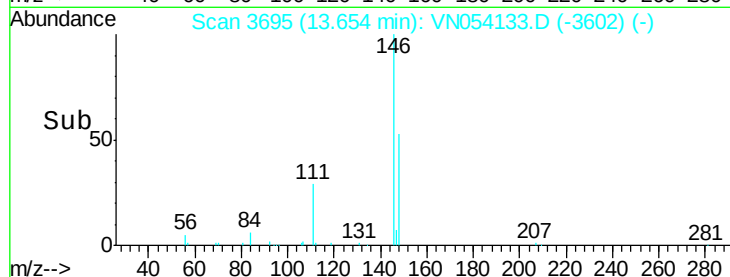
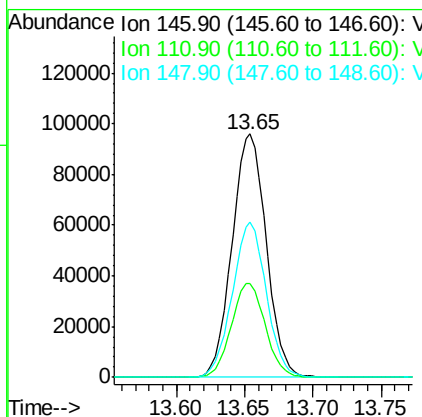
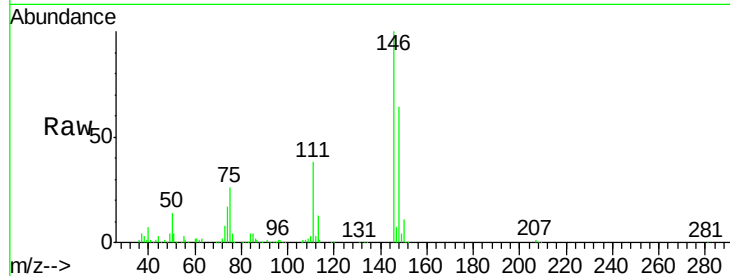




#91
 1,2-Dichlorobenzene
 Concen: 5.271 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

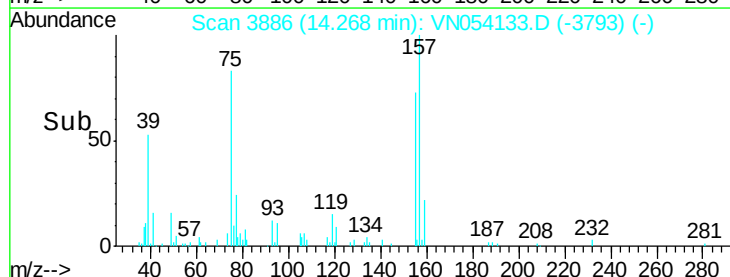
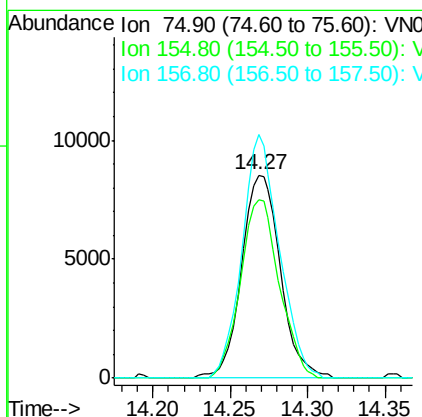
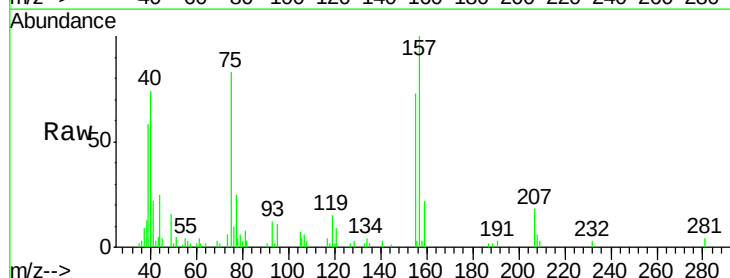
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

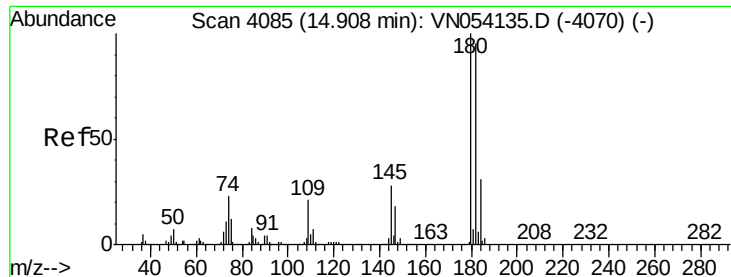
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	60.0
148	63.4	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.406 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.5	133.5
157	114.9	57.2	171.6

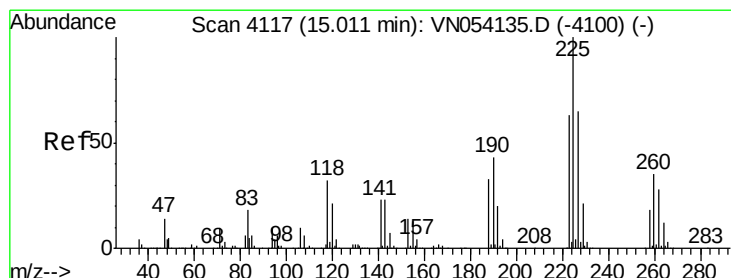
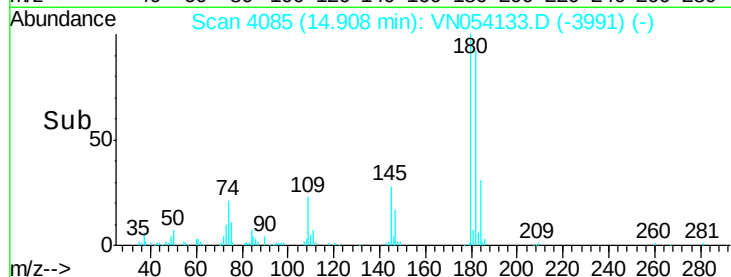
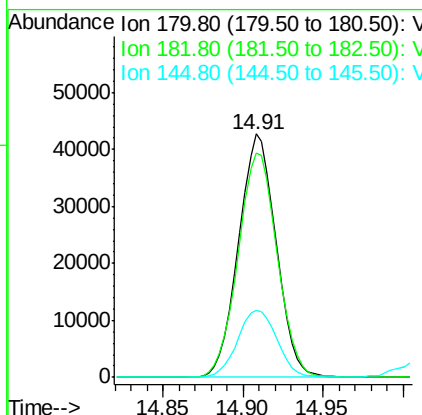
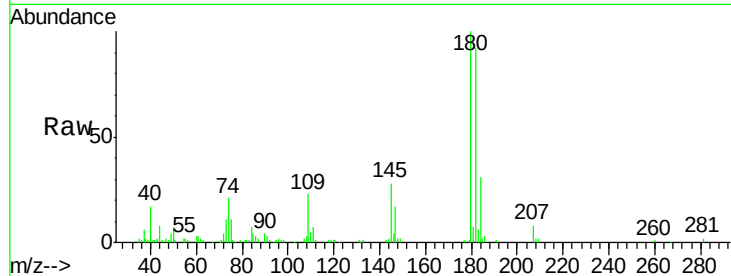




#93
 1,2,4-Trichlorobenzene
 Concen: 4.166 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

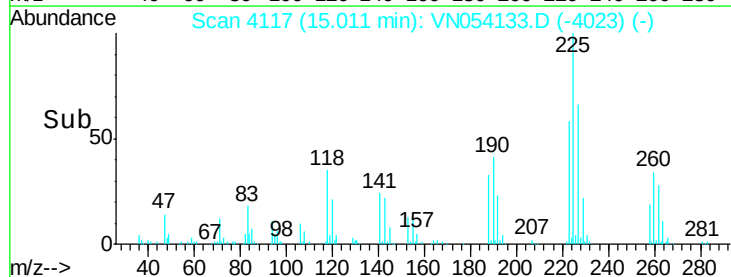
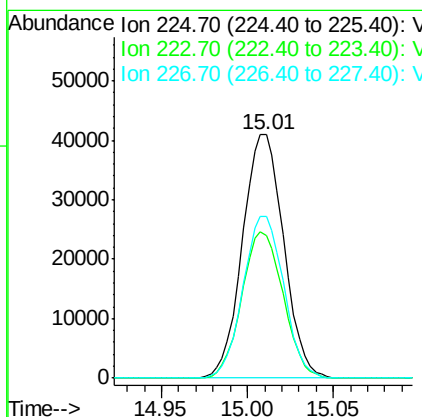
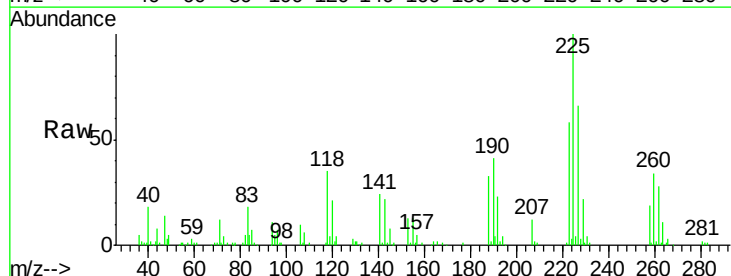
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

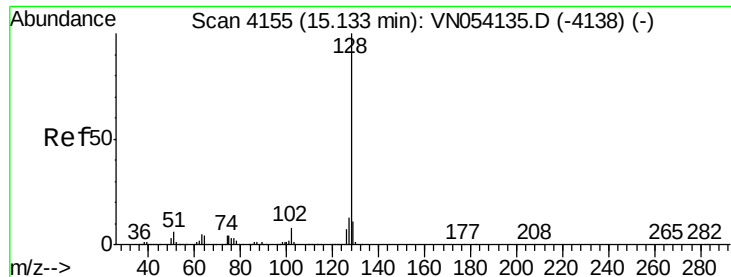
Tot Ion:180 Resp: 68344
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.3
 145 28.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 5.444 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054133.D
 Acq: 11 Mar 2019 10:38

Tgt Ion:225 Resp: 68101
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.2 93.6
 227 65.5 31.9 95.7





#95

Naphthalene

Concen: 4.179 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

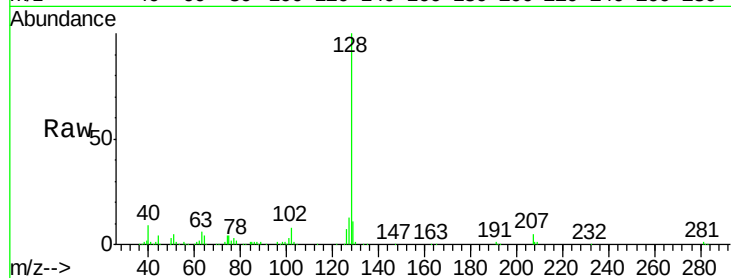
Tot Ion:128 Resp: 145485

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

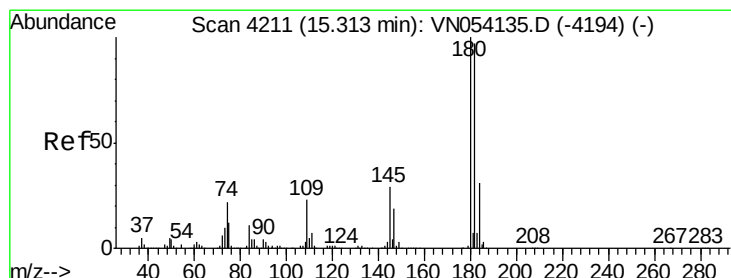
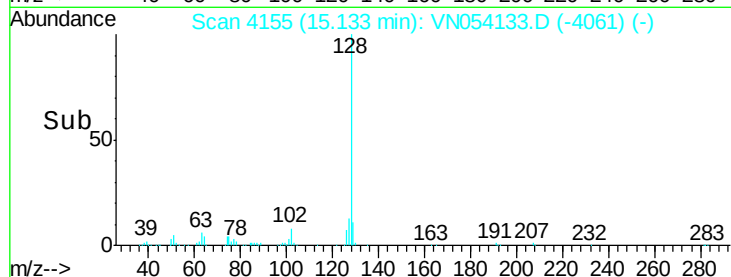
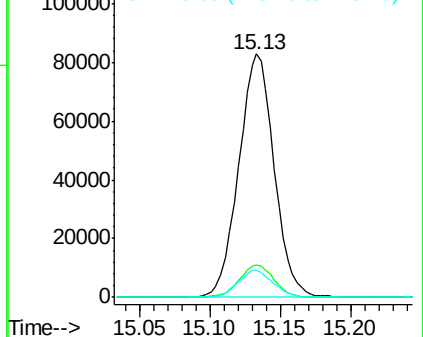
129 11.0 8.6 12.8



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: 4.477 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054133.D

Acq: 11 Mar 2019 10:38

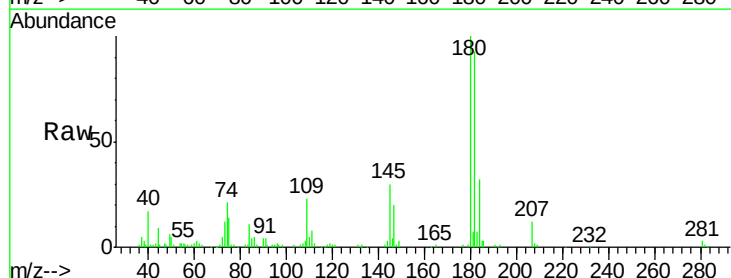
Tgt Ion:180 Resp: 74434

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.7

145 29.3 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

