

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054530.D
 Acq On : 22 Mar 2019 00:53
 Operator : JC/SP
 Sample : VN0321WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

Quant Time: Mar 22 10:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	477260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275789	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	334392	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	7.59	113	261721	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.09	98	955800	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	311626	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	94999	20.822	ug/l	98
3) Chloromethane	2.06	50	134311	21.636	ug/l	99
4) Vinyl Chloride	2.19	62	131509	21.101	ug/l	99
5) Bromomethane	2.57	94	76775	19.051	ug/l	97
6) Chloroethane	2.71	64	73772	19.734	ug/l	99
7) Trichlorofluoromethane	3.02	101	157658	20.830	ug/l	99
8) Diethyl Ether	3.41	74	59992	20.609	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80912	18.190	ug/l	95
10) Methyl Iodide	3.94	142	110582	16.900	ug/l	93
11) Tert butyl alcohol	4.83	59	43427	120.832	ug/l	97
12) 1,1-Dichloroethene	3.73	96	88227	19.166	ug/l #	79
13) Acrolein	3.61	56	46277	93.305	ug/l	98
14) Allyl chloride	4.31	41	184971	21.339	ug/l #	91
15) Acrylonitrile	5.00	53	222057	124.070	ug/l	99
16) Acetone	3.82	43	166381	93.223	ug/l #	83
17) Carbon Disulfide	4.04	76	232854	18.879	ug/l	99
18) Methyl Acetate	4.33	43	100185	25.184	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	307282	22.872	ug/l	94
20) Methylene Chloride	4.54	84	115480	21.950	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	105166	22.373	ug/l	89
22) Diisopropyl ether	5.96	45	394504	23.073	ug/l #	92
23) Vinyl Acetate	5.90	43	1425881	118.076	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	214192	23.266	ug/l	97
25) 2-Butanone	6.85	43	277954	121.575	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	104292	15.892	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	123412	22.012	ug/l	92
28) Bromochloromethane	7.20	49	106014	23.395	ug/l #	76
29) Tetrahydrofuran	7.22	42	193519	130.435	ug/l #	85
30) Chloroform	7.37	83	203658	22.668	ug/l	100
31) Cyclohexane	7.65	56	196214	21.172	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	169087	22.812	ug/l	95
36) 1,1-Dichloropropene	7.79	75	150884	20.670	ug/l	95
37) Ethyl Acetate	6.94	43	125902	24.250	ug/l	97
38) Carbon Tetrachloride	7.77	117	144044	20.306	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0321WBS02

Quant Time: Mar 22 10:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	159229	19.069	ug/l	90
40) Benzene	8.04	78	455565	21.825	ug/l	99
41) Methacrylonitrile	7.18	41	68671	21.689	ug/l	92
42) 1,2-Dichloroethane	8.13	62	166806	21.943	ug/l	97
43) Isopropyl Acetate	8.17	43	205467	23.433	ug/l #	94
44) Trichloroethene	8.83	130	121031	20.855	ug/l	93
45) 1,2-Dichloropropane	9.12	63	126325	22.538	ug/l	99
46) Dibromomethane	9.21	93	73984	22.126	ug/l	91
47) Bromodichloromethane	9.40	83	151373	21.813	ug/l	96
48) Methyl methacrylate	9.20	41	108267	22.750	ug/l	88
49) 1,4-Dioxane	9.21	88	24957	469.088	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	593350	122.105	ug/l	93
52) Toluene	10.16	92	267604	20.844	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	128921	19.057	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	160600	20.183	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	103460	22.419	ug/l	97
56) Ethyl methacrylate	10.43	69	132404	21.376	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	181038	22.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	266346	104.424	ug/l	90
59) 2-Hexanone	10.75	43	362864	114.321	ug/l	92
60) Dibromochloromethane	10.90	129	102124	20.796	ug/l	100
61) 1,2-Dibromoethane	11.01	107	99606	21.832	ug/l	99
64) Tetrachloroethene	10.63	164	115689	20.757	ug/l	94
65) Chlorobenzene	11.44	112	278040	20.344	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	104835	21.371	ug/l	98
67) Ethyl Benzene	11.51	91	486431	20.149	ug/l	99
68) m/p-Xylenes	11.62	106	359204	39.282	ug/l	95
69) o-Xylene	11.95	106	179001	20.044	ug/l	95
70) Styrene	11.96	104	292317	20.157	ug/l	97
71) Bromoform	12.13	173	61099	19.484	ug/l #	100
73) Isopropylbenzene	12.25	105	461145	20.750	ug/l	100
74) N-amyl acetate	12.07	43	152695	23.896	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	120319	23.717	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	140326	32.065	ug/l #	100
77) Bromobenzene	12.53	156	115311	20.921	ug/l	85
78) n-propylbenzene	12.59	91	499310	20.720	ug/l	98
79) 2-Chlorotoluene	12.68	91	313802	20.882	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	384829	21.128	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20551	18.333	ug/l #	72
82) 4-Chlorotoluene	12.77	91	303363	20.826	ug/l	96
83) tert-Butylbenzene	12.99	119	338893	21.375	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	380250	21.276	ug/l	97
85) sec-Butylbenzene	13.17	105	414785	20.987	ug/l	96
86) p-Isopropyltoluene	13.29	119	368477	20.839	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	185701	20.331	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	178746	20.113	ug/l	96
89) n-Butylbenzene	13.62	91	277445	20.067	ug/l	96
90) Hexachloroethane	13.88	117	56970	20.757	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	190089	21.486	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18331	24.635	ug/l	83

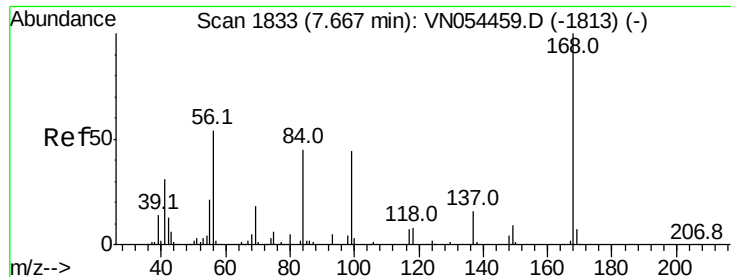
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
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Quant Time: Mar 22 10:19:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85367	19.356	ug/l	99
94) Hexachlorobutadiene	15.01	225	54267	20.435	ug/l	99
95) Naphthalene	15.13	128	204579	20.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	91552	20.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

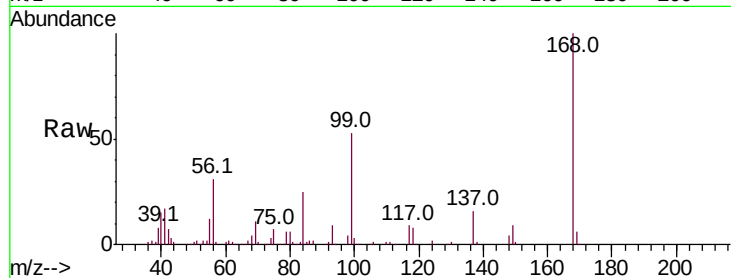
VN0321WBS02

Tot Ion:168 Resp: 477260

Ion Ratio Lower Upper

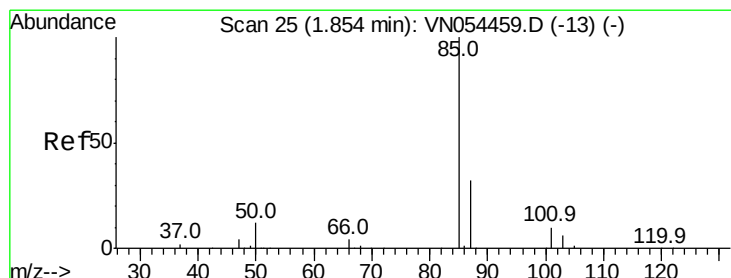
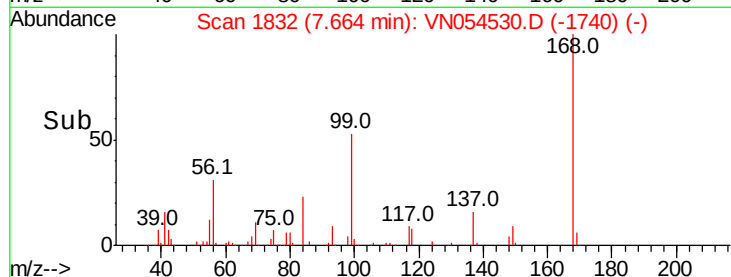
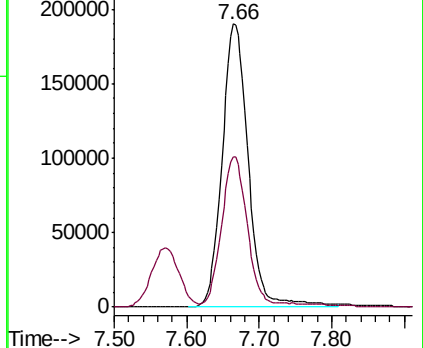
168 100

99 52.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.822 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054530.D

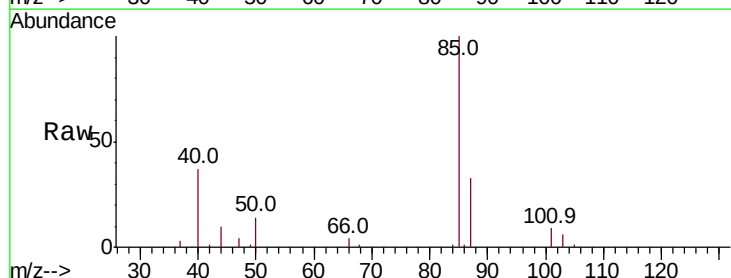
Acq: 22 Mar 2019 00:53

Tgt Ion: 85 Resp: 94999

Ion Ratio Lower Upper

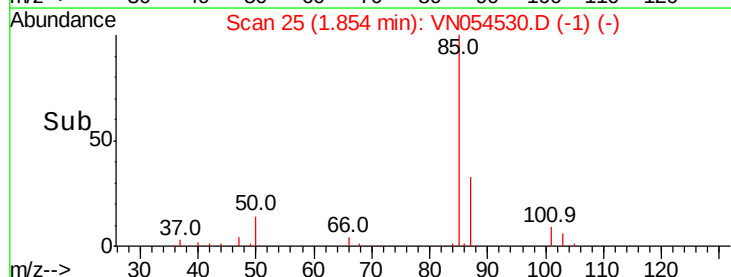
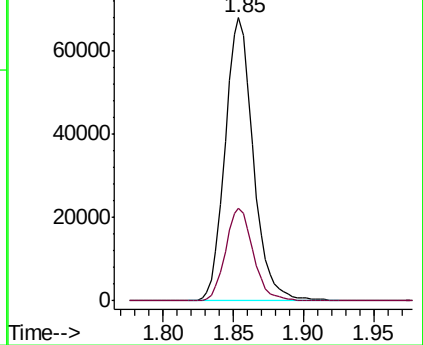
85 100

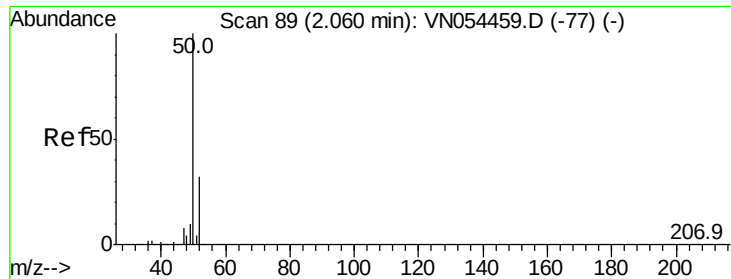
87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 21.636 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

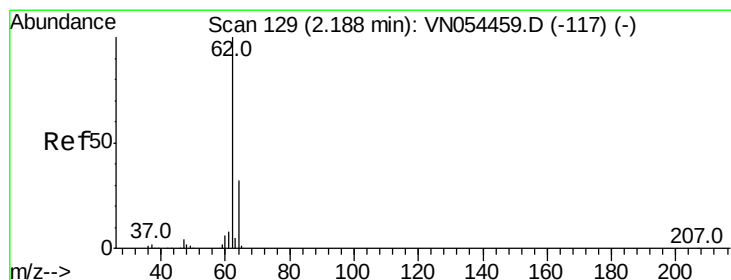
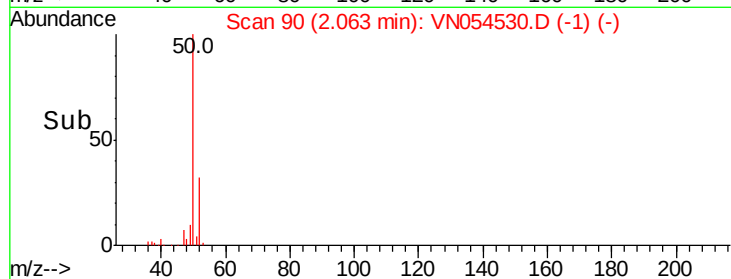
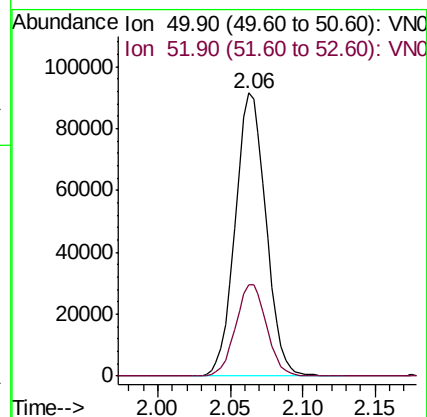
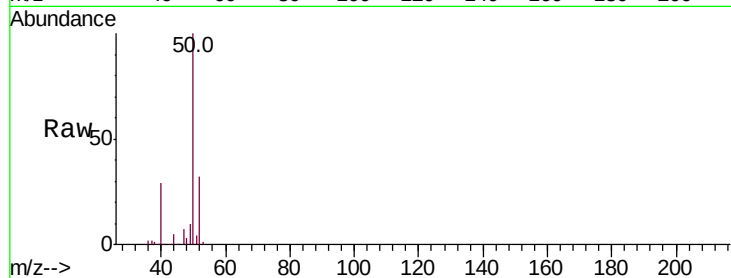
VN0321WBS02

Tot Ion: 50 Resp: 134311

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 21.101 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054530.D

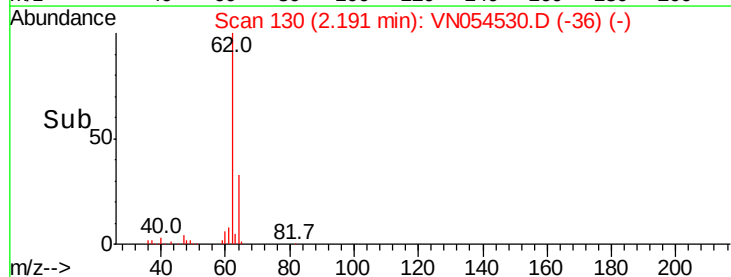
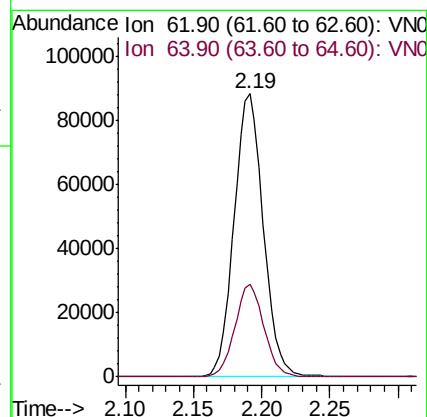
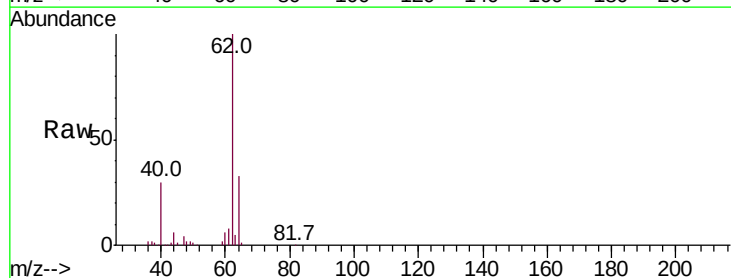
Acq: 22 Mar 2019 00:53

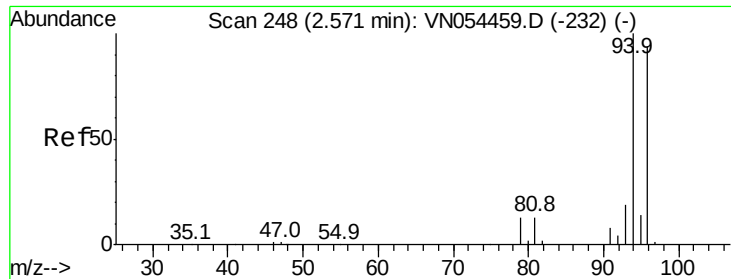
Tgt Ion: 62 Resp: 131509

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 19.051 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

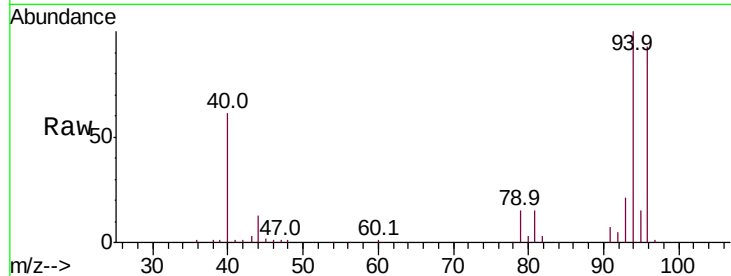
VN0321WBS02

Tot Ion: 94 Resp: 76775

Ion Ratio Lower Upper

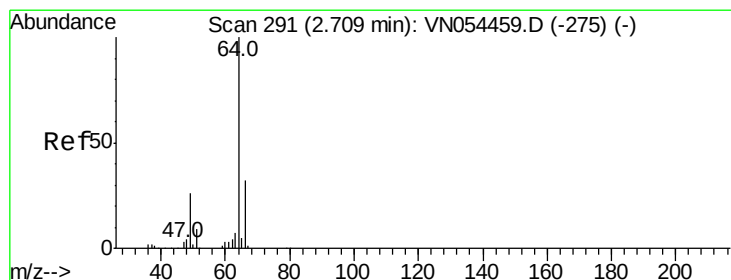
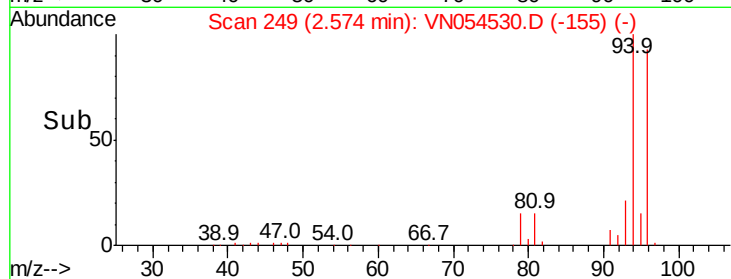
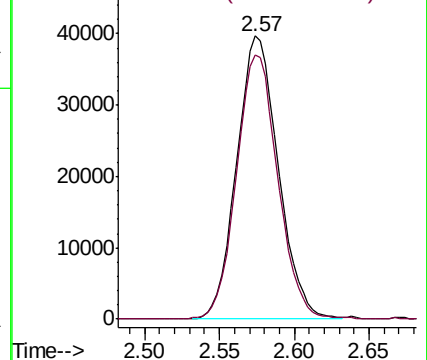
94 100

96 92.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.734 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054530.D

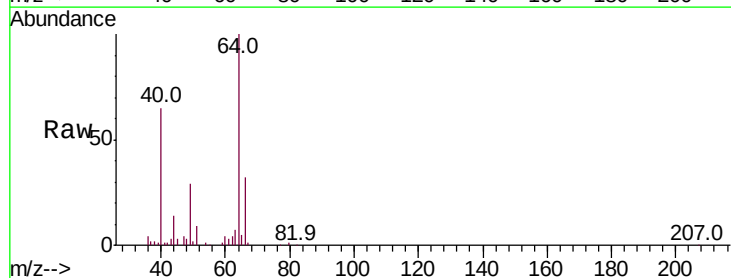
Acq: 22 Mar 2019 00:53

Tgt Ion: 64 Resp: 73772

Ion Ratio Lower Upper

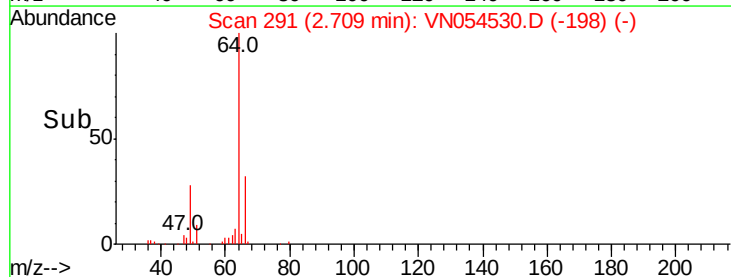
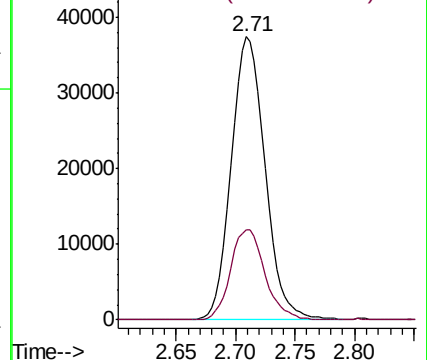
64 100

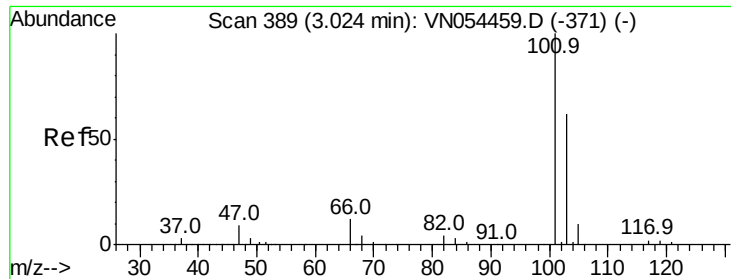
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



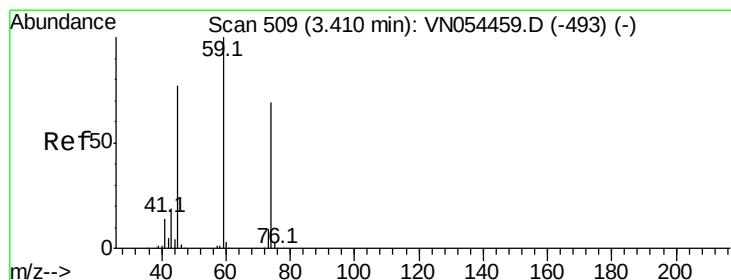
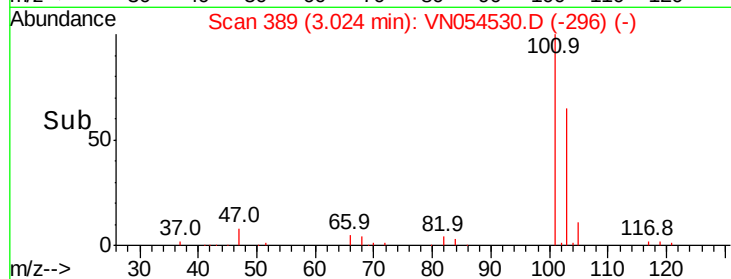
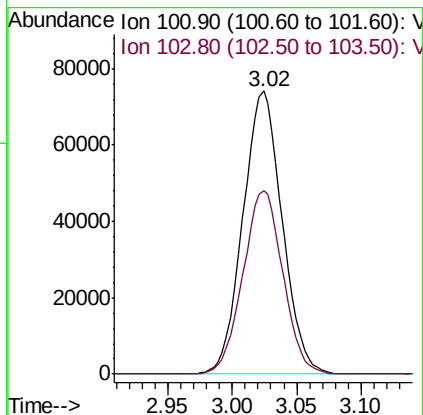
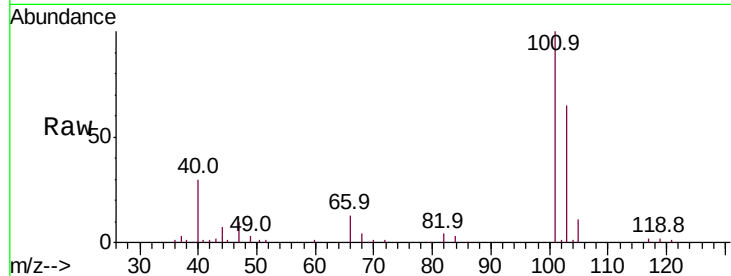


#7

Trichlorofluoromethane
 Concen: 20.830 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

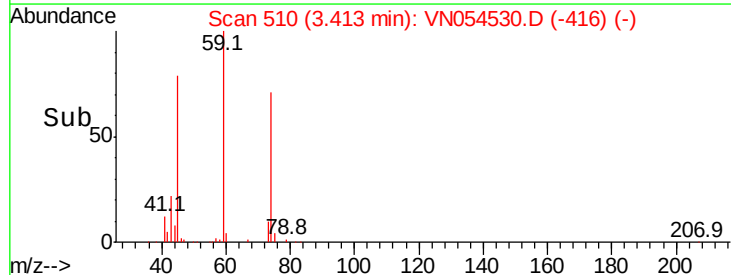
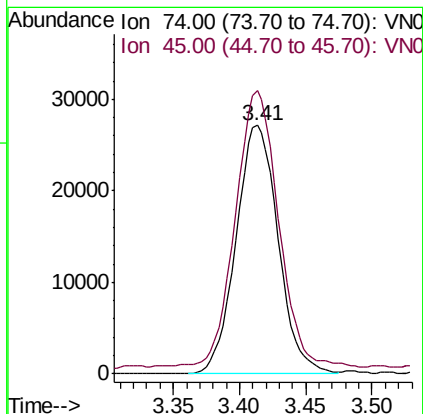
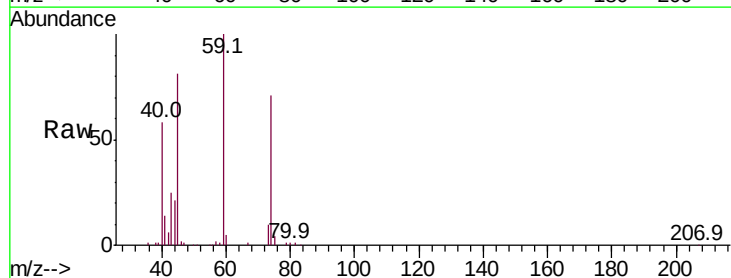
Tot Ion:101 Resp: 157658
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2

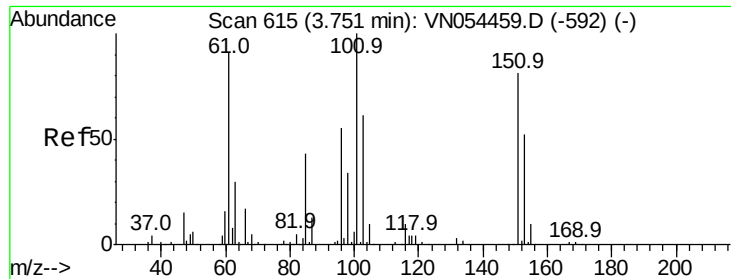


#8

Diethyl Ether
 Concen: 20.609 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 74 Resp: 59992
 Ion Ratio Lower Upper
 74 100
 45 113.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.190 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

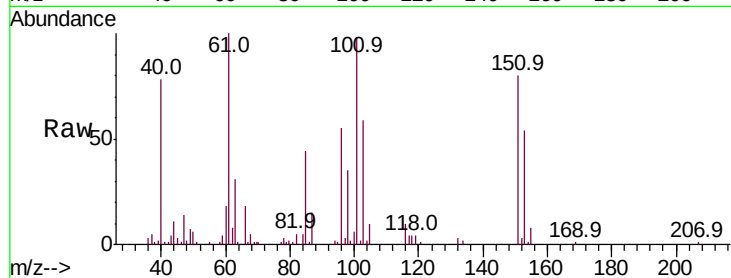
Tot Ion:101 Resp: 80912

Ion Ratio Lower Upper

101 100

85 45.6 32.4 48.6

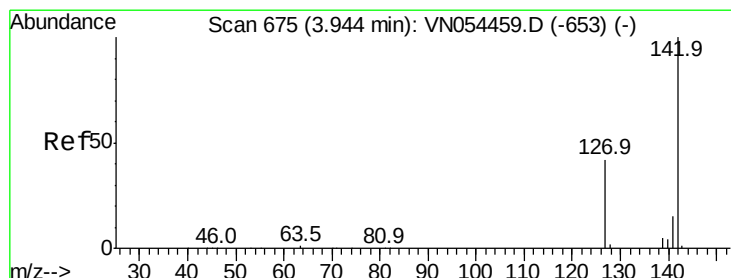
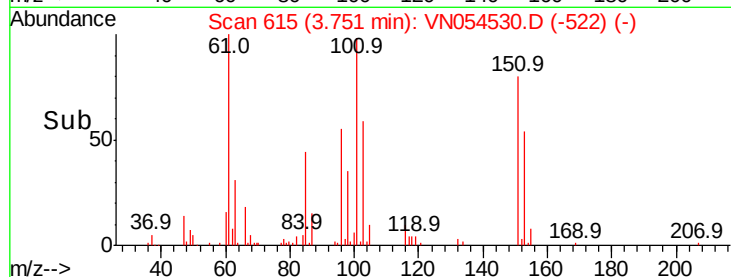
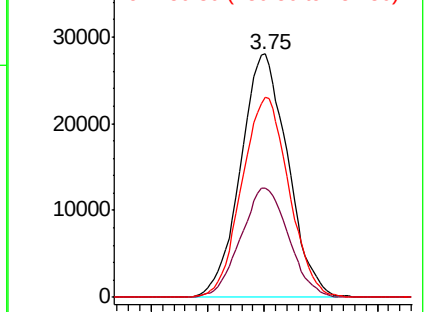
151 82.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.900 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

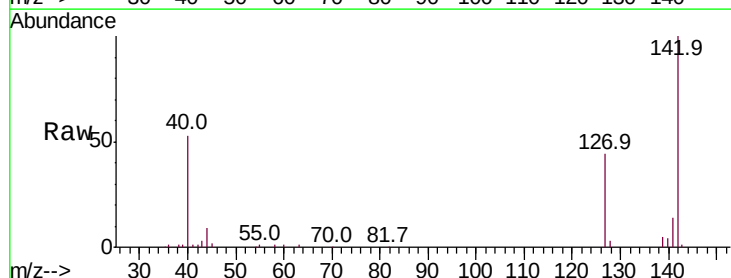
Tgt Ion:142 Resp: 110582

Ion Ratio Lower Upper

142 100

127 43.3 30.3 45.5

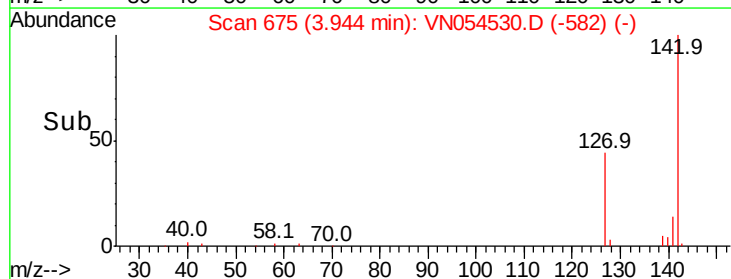
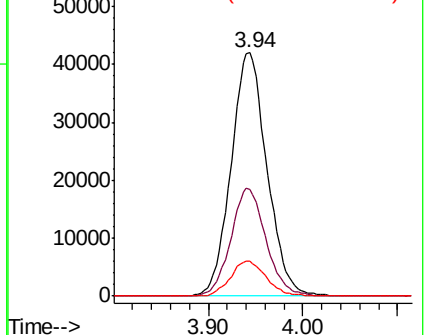
141 14.2 11.2 16.8

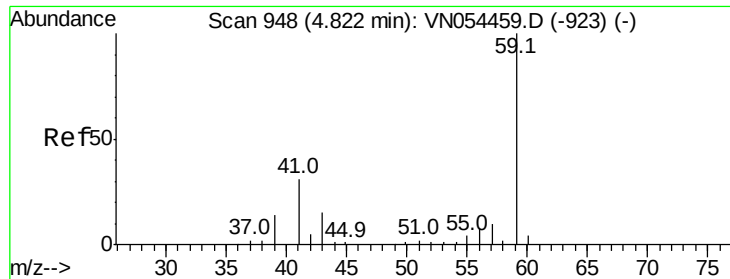


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

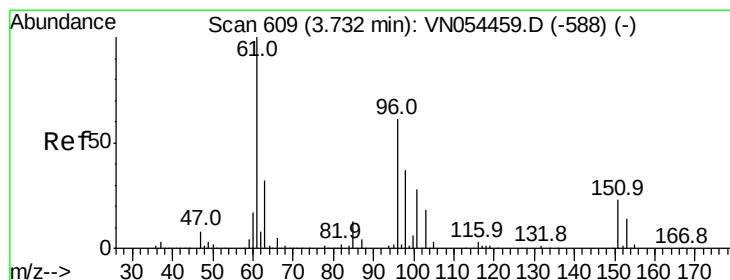
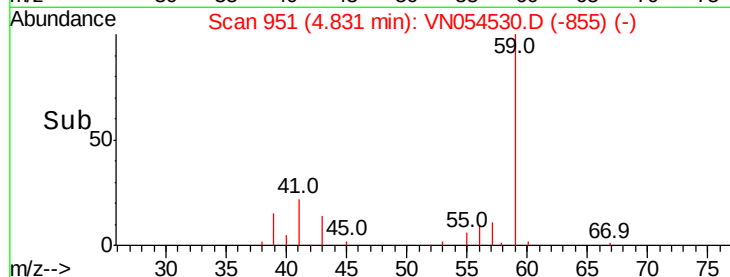
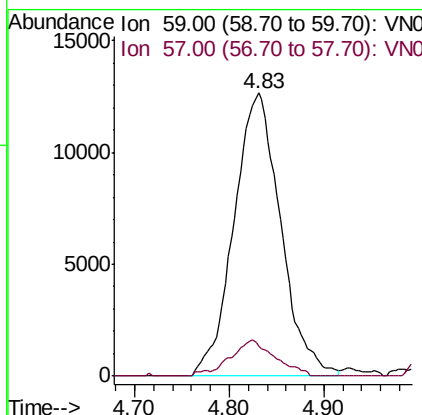
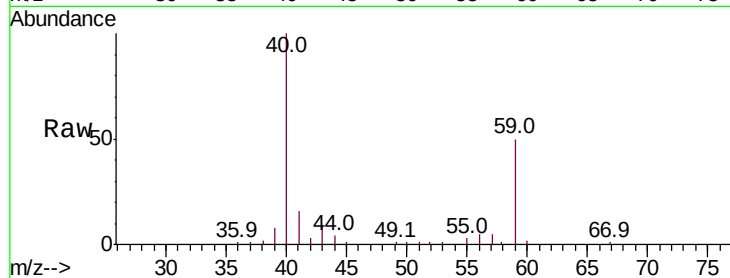




#11
Tert butyl alcohol
Concen: 120.832 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.01 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

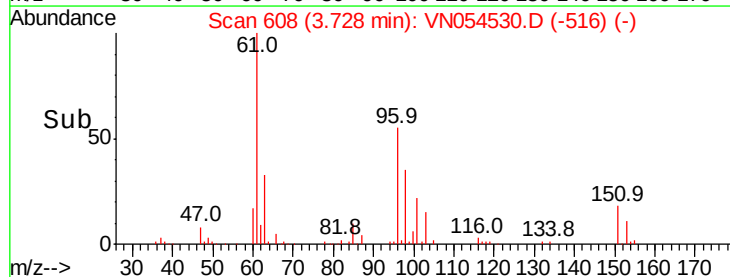
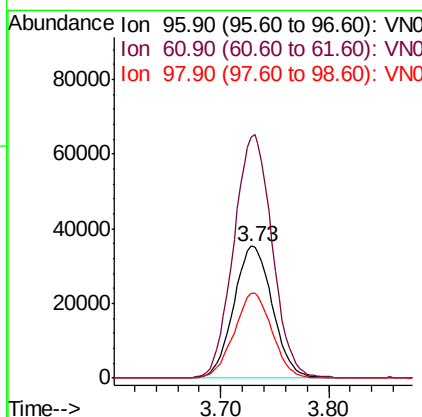
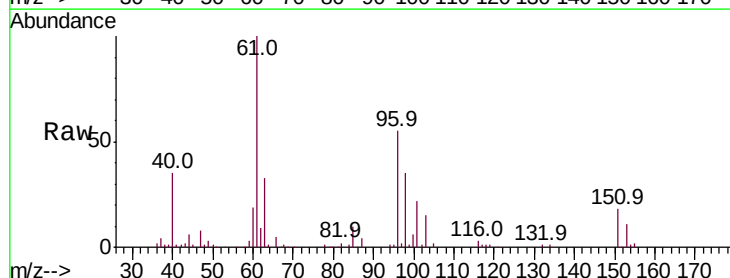
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

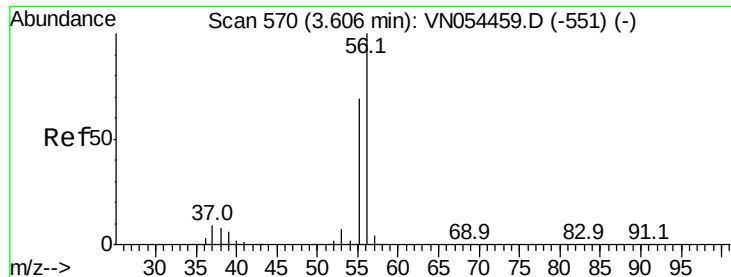
Tot Ion: 59 Resp: 43427
Ion Ratio Lower Upper
59 100
57 12.3 9.0 13.6



#12
1,1-Dichloroethene
Concen: 19.166 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 96 Resp: 88227
Ion Ratio Lower Upper
96 100
61 182.9 116.5 174.7#
98 64.0 51.0 76.4





#13

Acrolein

Concen: 93.305 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

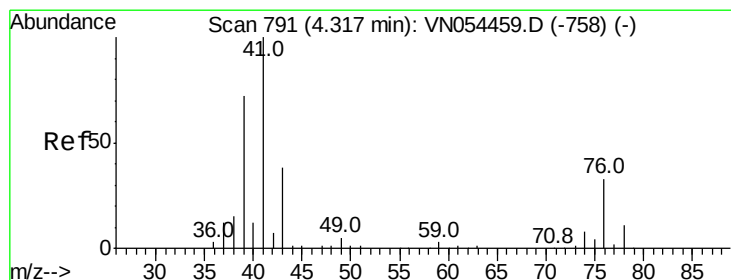
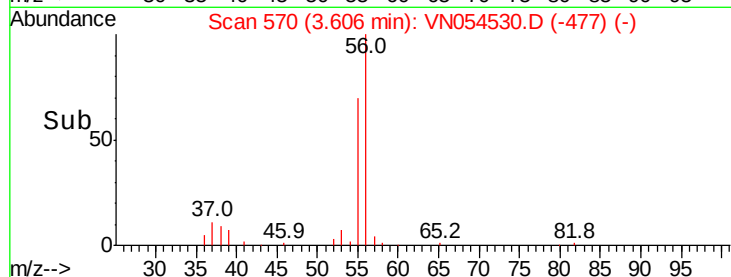
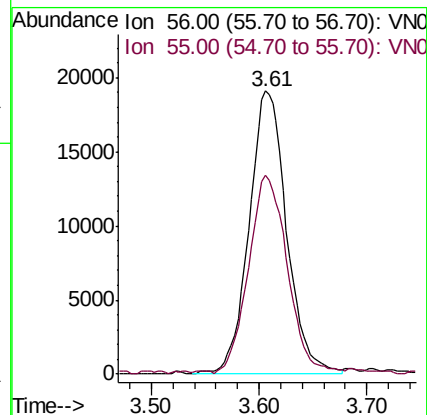
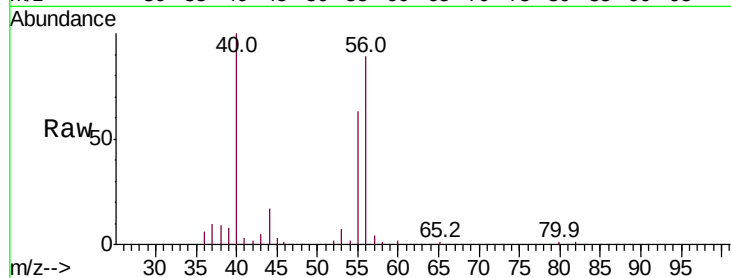
VN0321WBS02

Tot Ion: 56 Resp: 46277

Ion Ratio Lower Upper

56 100

55 72.9 56.7 85.1



#14

Allyl chloride

Concen: 21.339 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

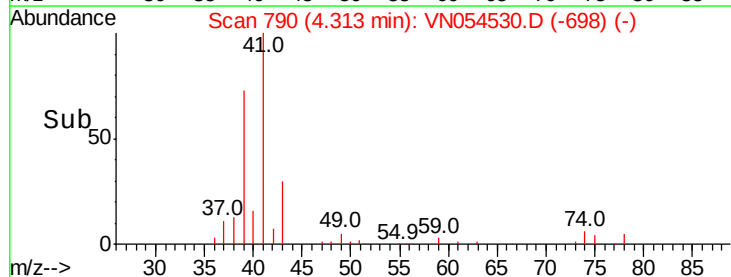
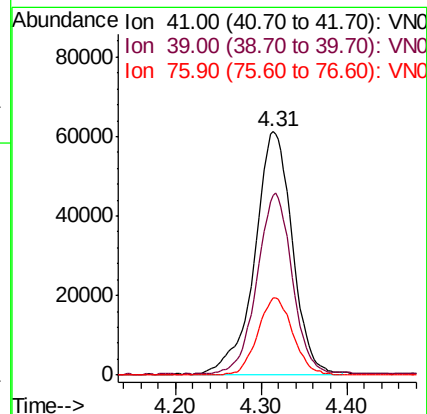
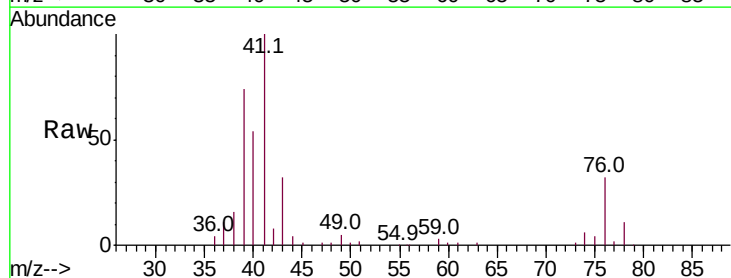
Tgt Ion: 41 Resp: 184971

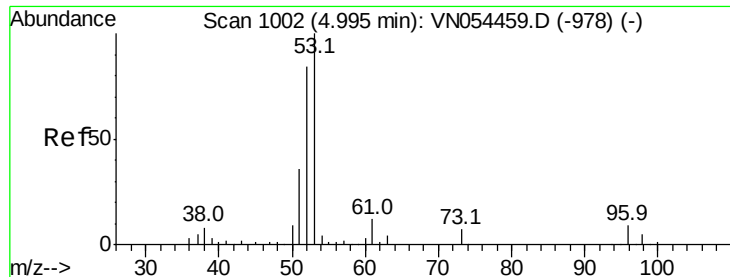
Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 29.8 31.7 47.5#

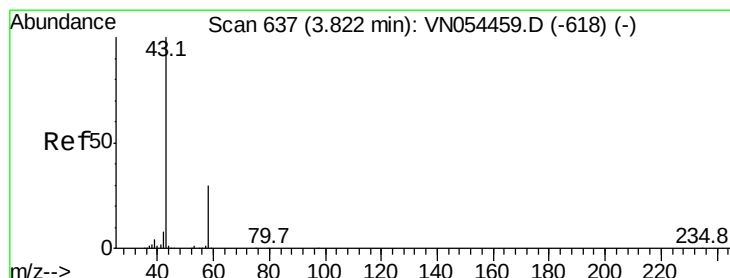
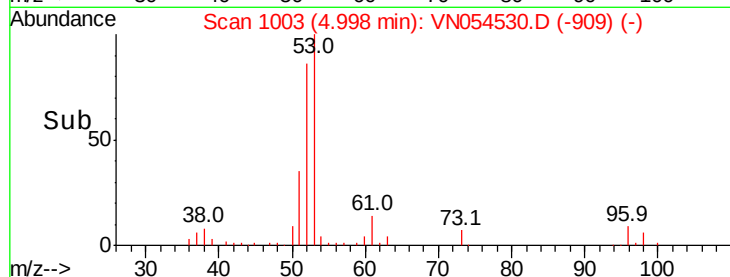
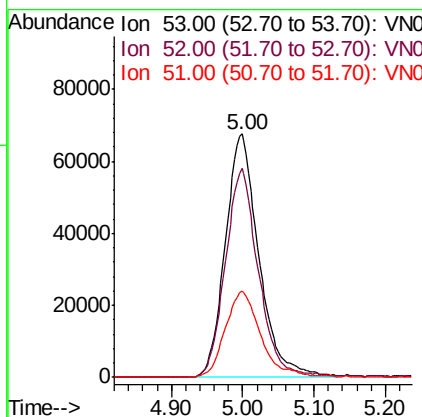
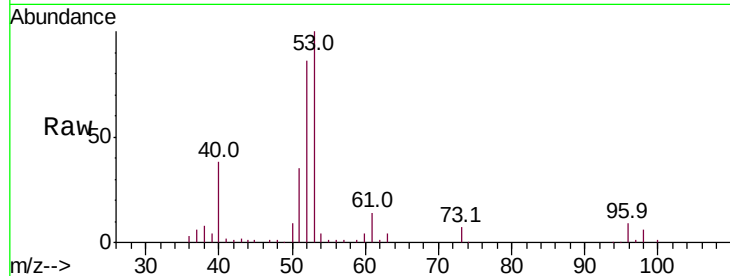




#15
 Acrylonitrile
 Concen: 124.070 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

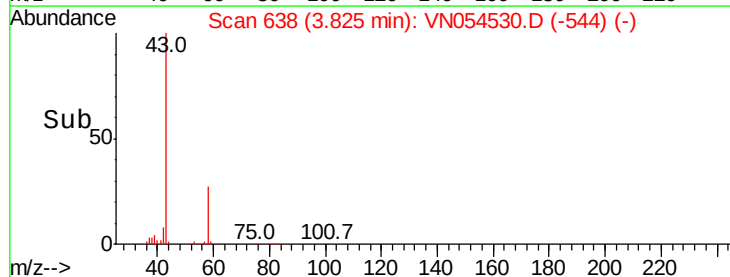
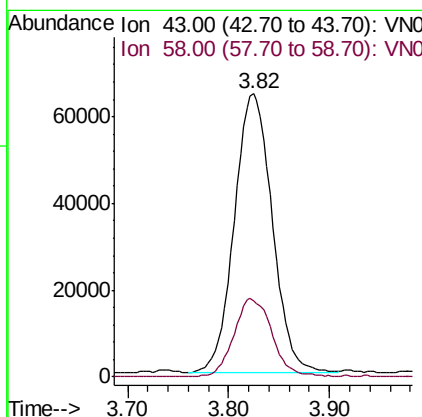
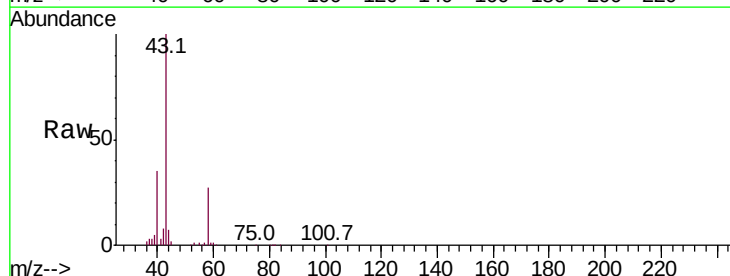
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

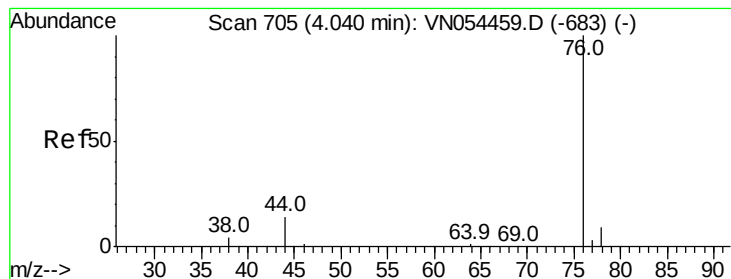
Tot Ion: 53 Resp: 222057
 Ion Ratio Lower Upper
 53 100
 52 84.6 66.4 99.6
 51 37.5 29.6 44.4



#16
 Acetone
 Concen: 93.223 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 43 Resp: 166381
 Ion Ratio Lower Upper
 43 100
 58 27.3 29.9 44.9#





#17

Carbon Disulfide

Concen: 18.879 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampled :

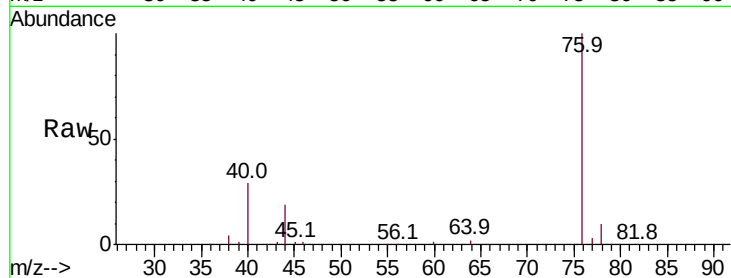
VN0321WBS02

Tot Ion: 76 Resp: 232854

Ion Ratio Lower Upper

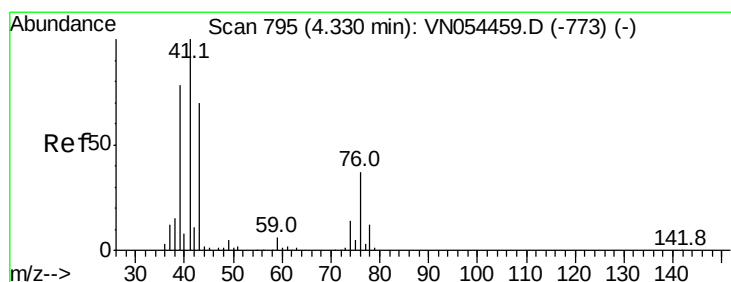
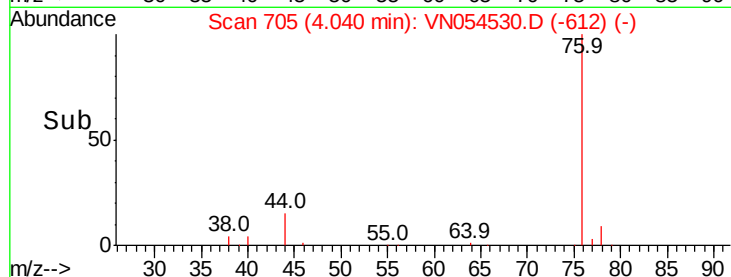
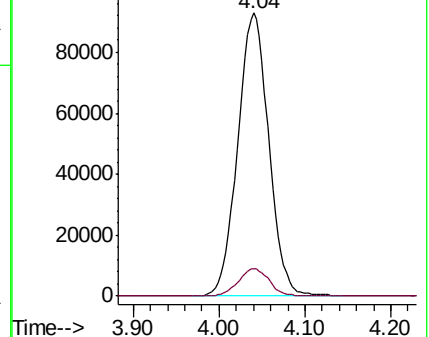
76 100

78 9.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.184 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054530.D

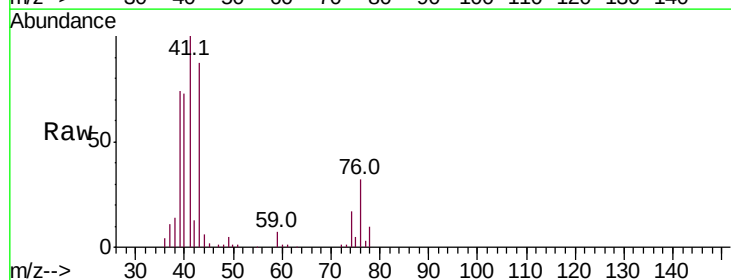
Acq: 22 Mar 2019 00:53

Tgt Ion: 43 Resp: 100185

Ion Ratio Lower Upper

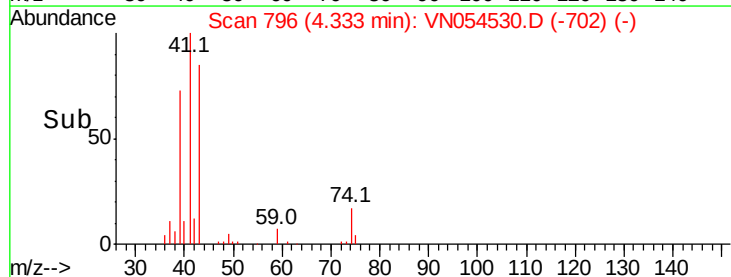
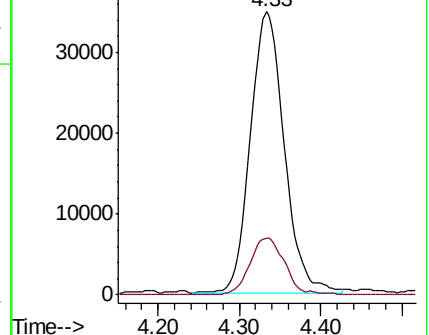
43 100

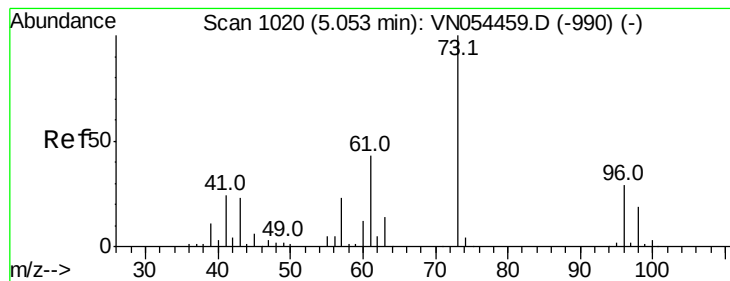
74 20.8 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



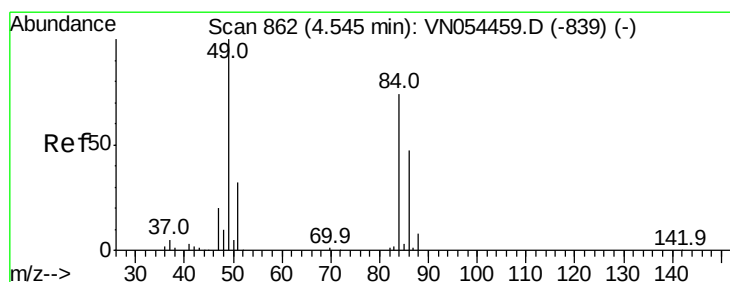
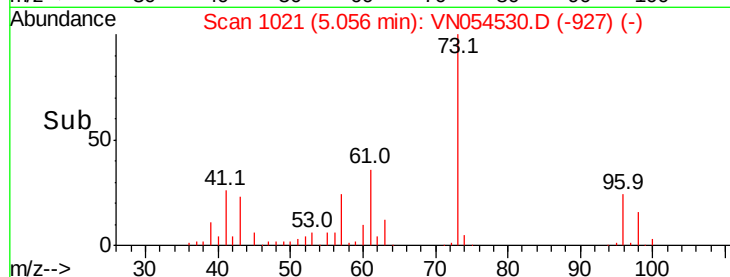
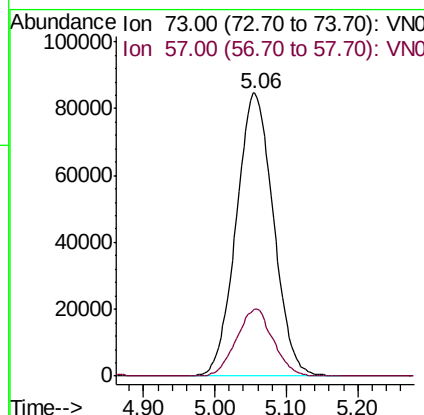
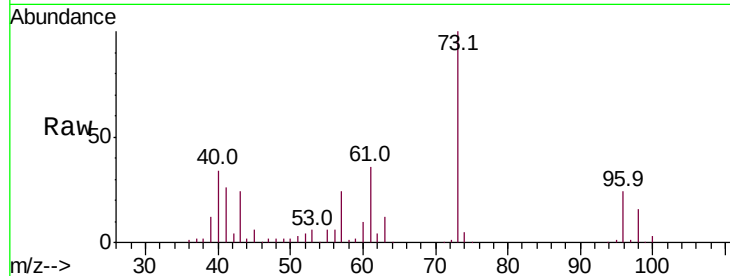


#19

Methyl tert-butyl Ether
 Concen: 22.872 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

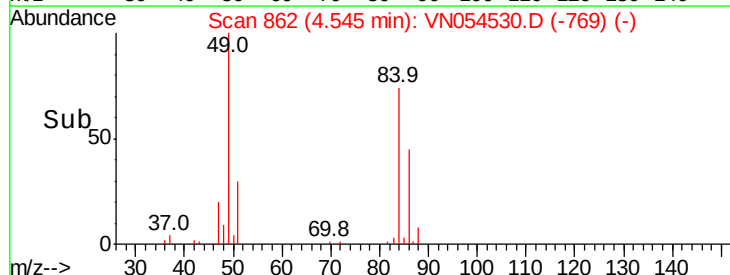
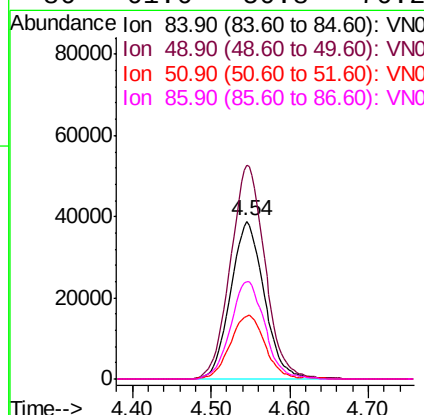
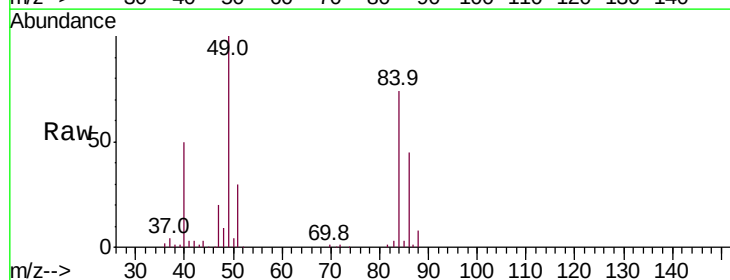
Tot Ion: 73 Resp: 307282
 Ion Ratio Lower Upper
 73 100
 57 23.7 16.8 25.2

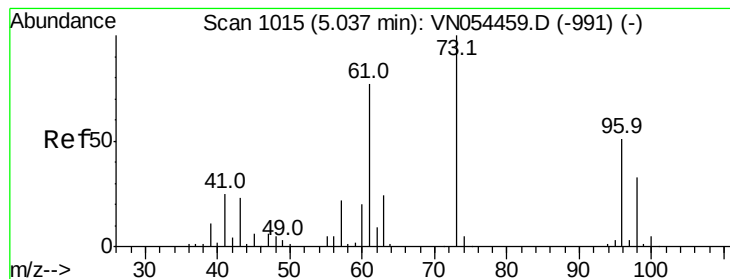


#20

Methylene Chloride
 Concen: 21.950 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 84 Resp: 115480
 Ion Ratio Lower Upper
 84 100
 49 135.4 89.7 134.5#
 51 40.0 28.2 42.4
 86 61.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.373 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

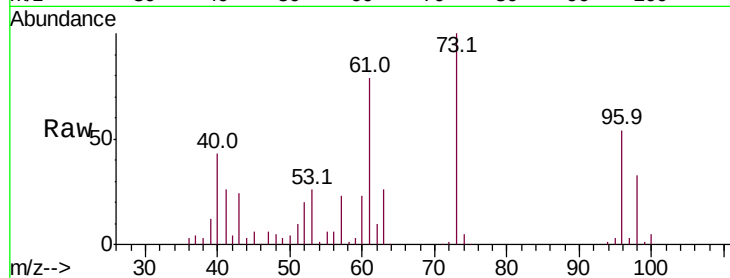
Tot Ion: 96 Resp: 105166

Ion Ratio Lower Upper

96 100

61 147.5 102.8 154.2

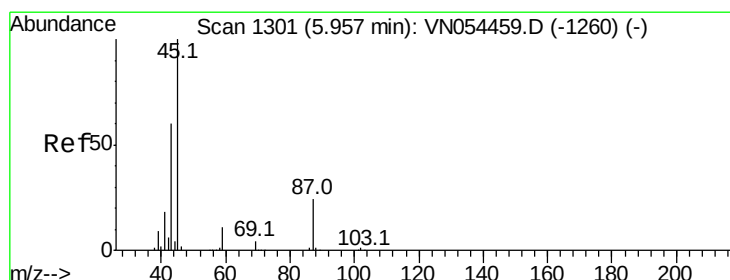
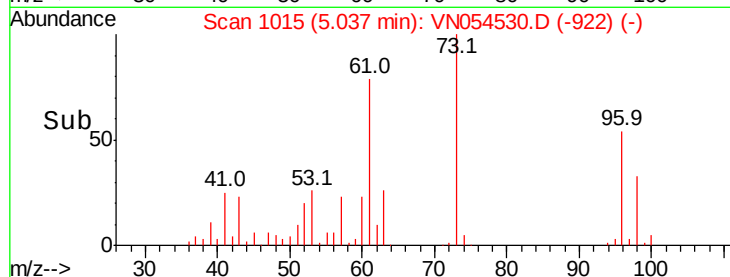
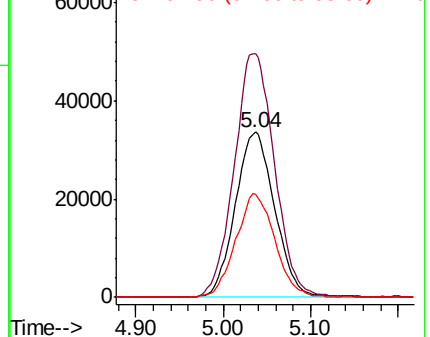
98 62.2 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 23.073 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Tgt Ion: 45 Resp: 394504

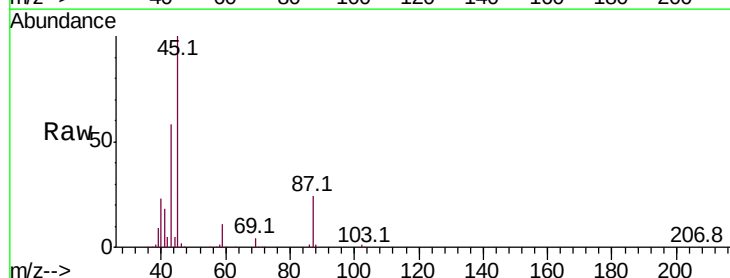
Ion Ratio Lower Upper

45 100

43 55.8 48.2 72.2

87 23.8 24.9 37.3#

59 10.4 9.5 14.3

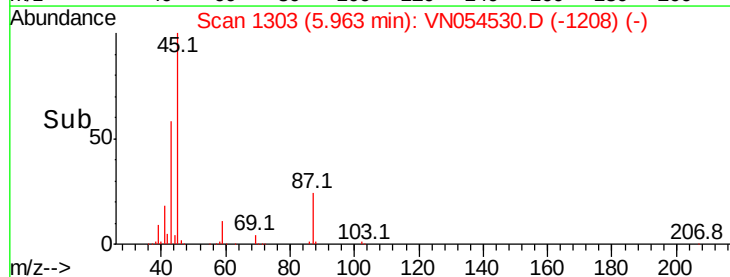
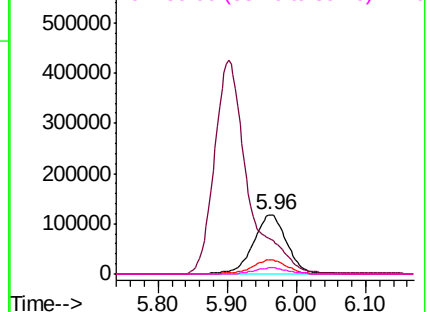


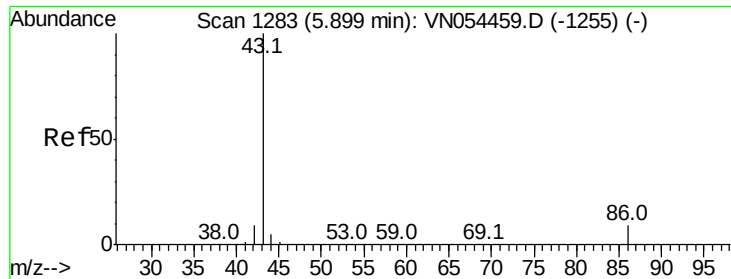
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 118.076 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

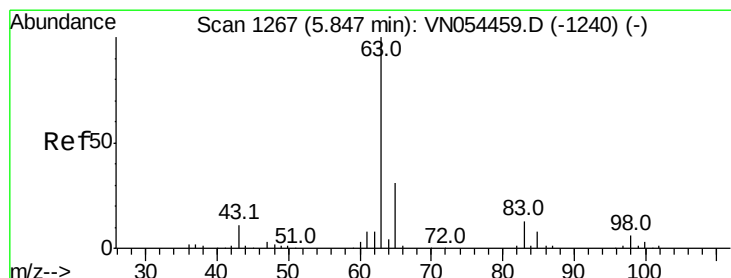
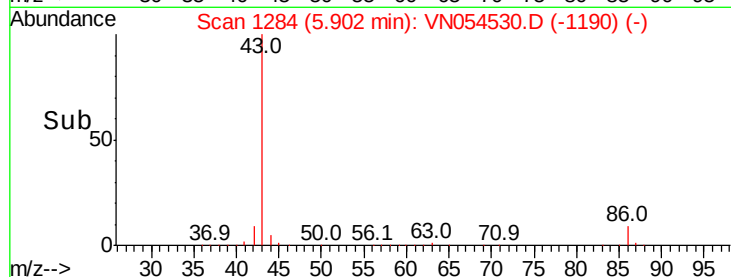
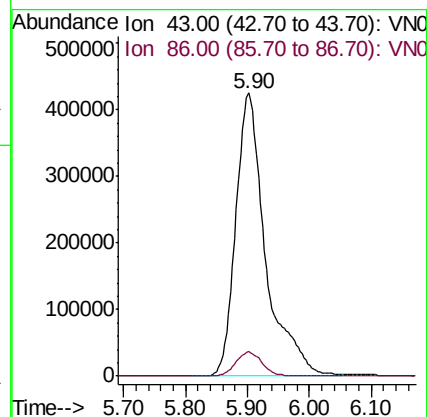
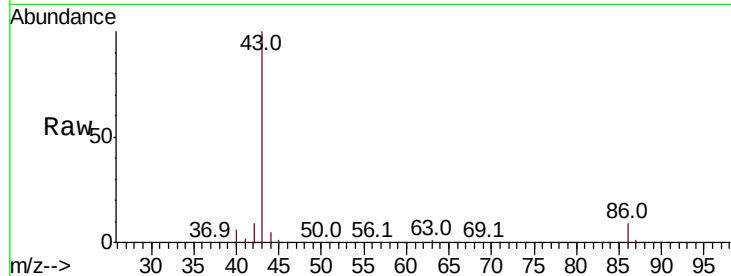
VN0321WBS02

Tot Ion: 43 Resp: 1425881

Ion Ratio Lower Upper

43 100

86 8.7 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 23.266 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

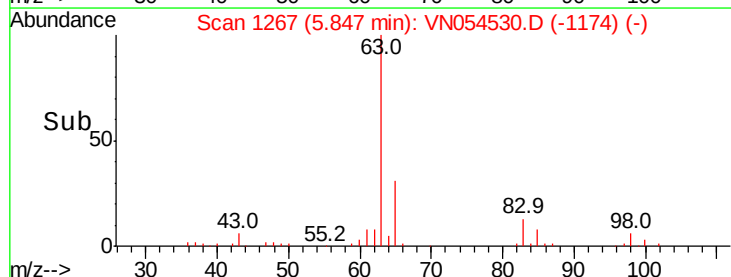
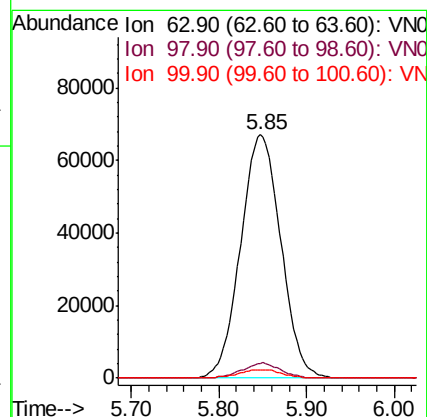
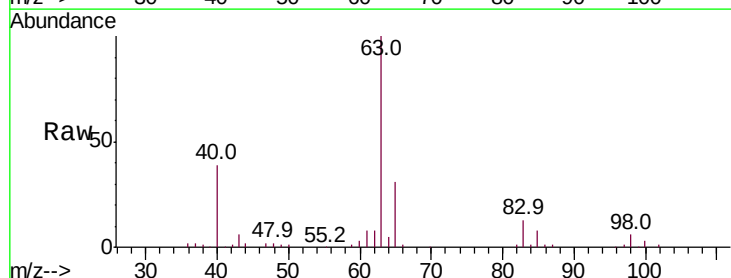
Tgt Ion: 63 Resp: 214192

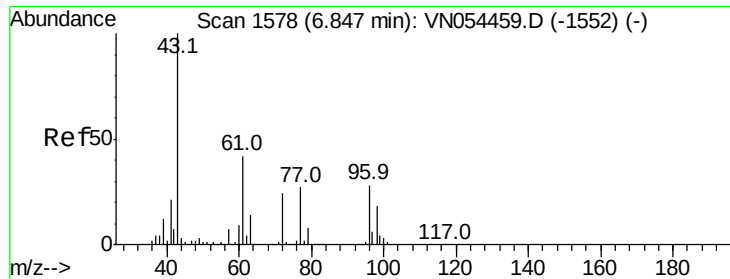
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 3.2 2.0 6.0





#25

2-Butanone

Concen: 121.575 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampled :

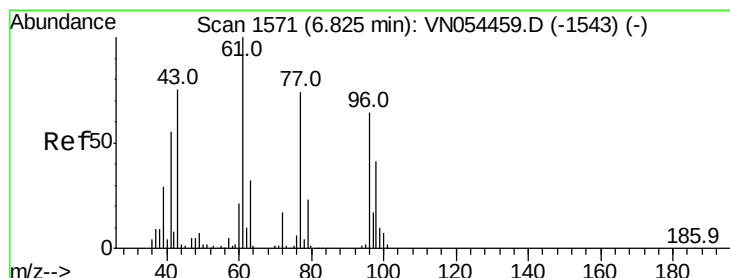
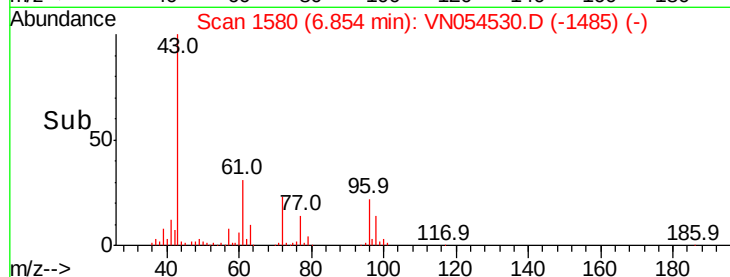
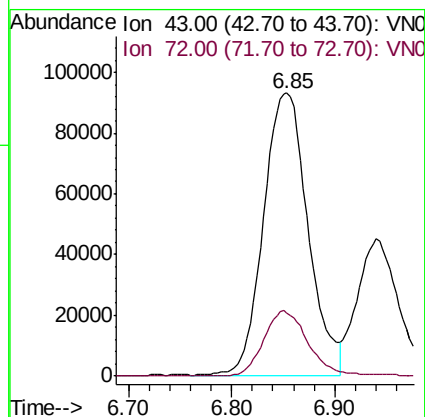
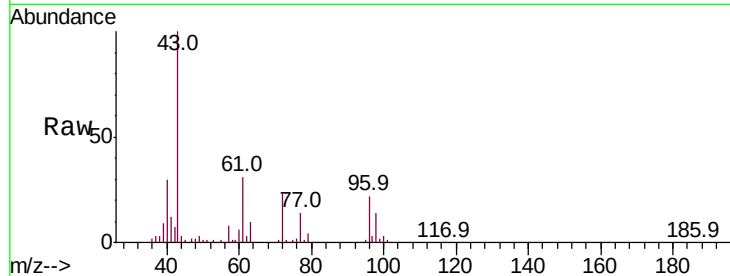
VN0321WBS02

Tot Ion: 43 Resp: 277954

Ion Ratio Lower Upper

43 100

72 22.6 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 15.892 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054530.D

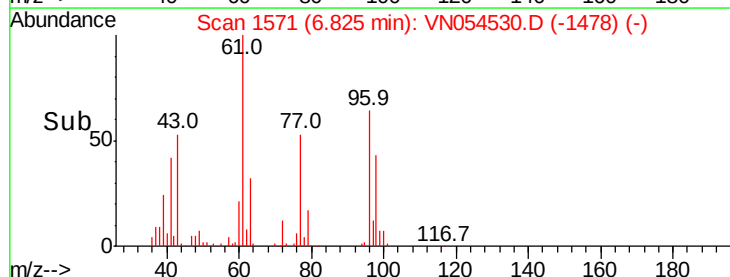
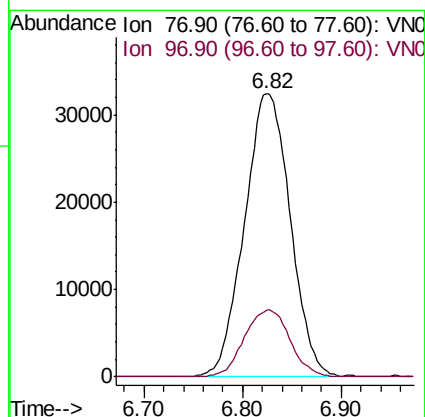
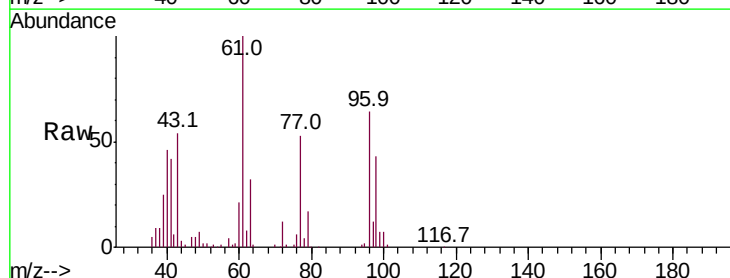
Acq: 22 Mar 2019 00:53

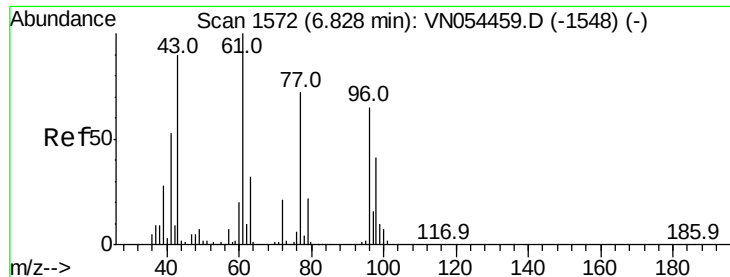
Tgt Ion: 77 Resp: 104292

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.012 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

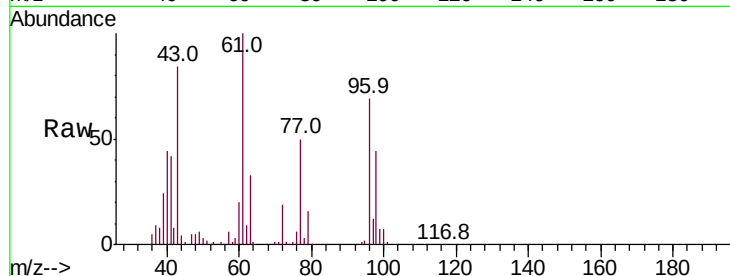
Tot Ion: 96 Resp: 123412

Ion Ratio Lower Upper

96 100

61 149.1 0.0 273.0

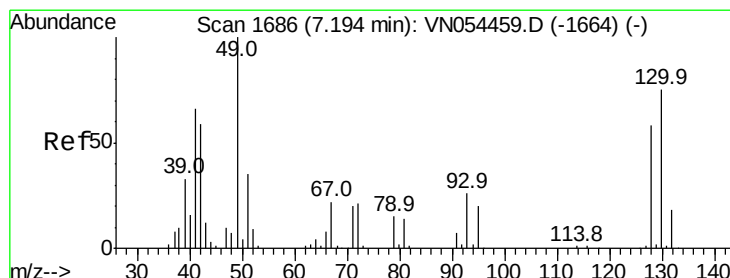
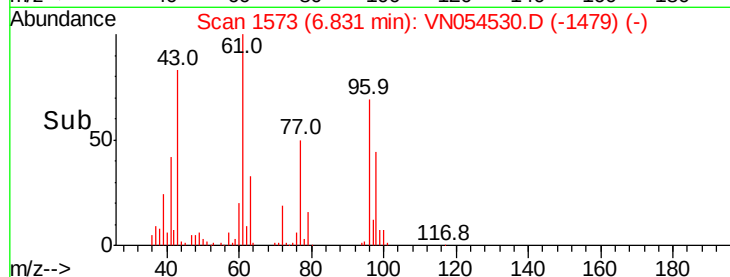
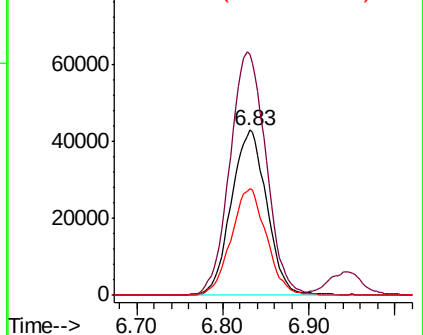
98 64.2 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 23.395 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

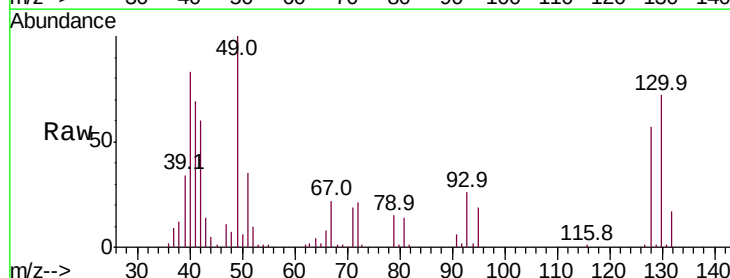
Tgt Ion: 49 Resp: 106014

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

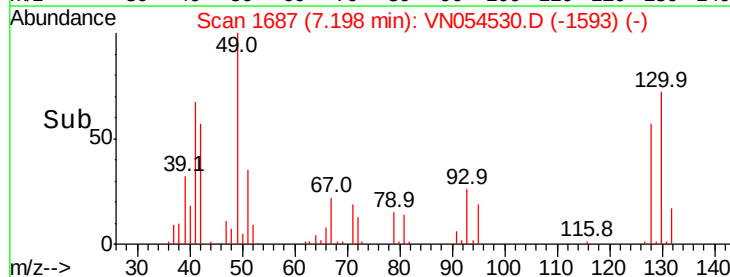
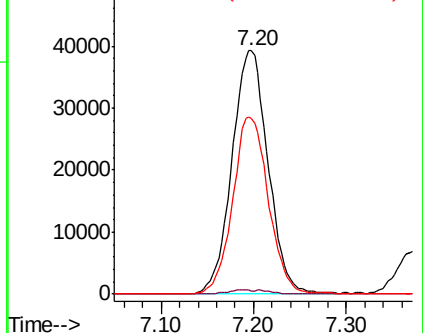
130 71.7 76.7 115.1#

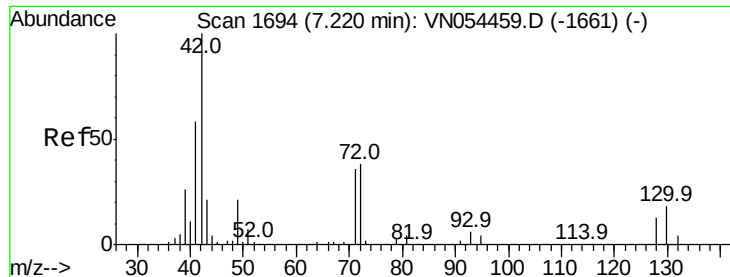


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 130.435 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

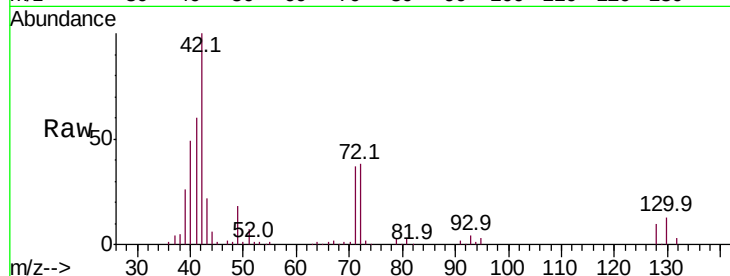
Tot Ion: 42 Resp: 193519

Ion Ratio Lower Upper

42 100

72 37.0 37.8 56.6#

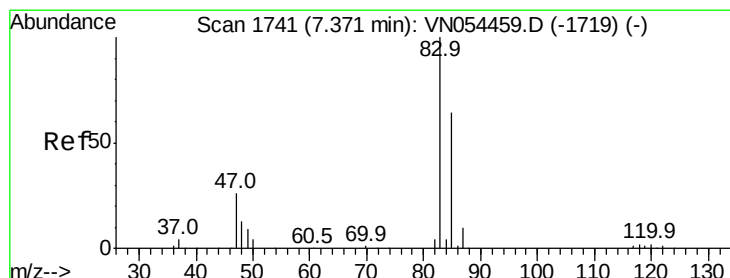
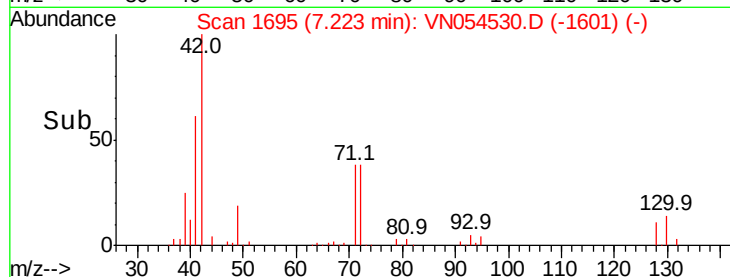
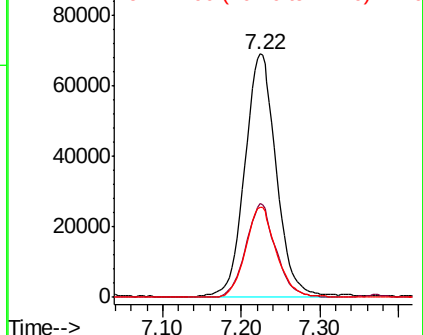
71 36.2 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 22.668 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054530.D

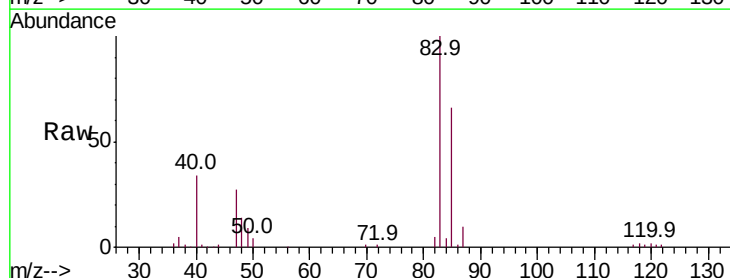
Acq: 22 Mar 2019 00:53

Tgt Ion: 83 Resp: 203658

Ion Ratio Lower Upper

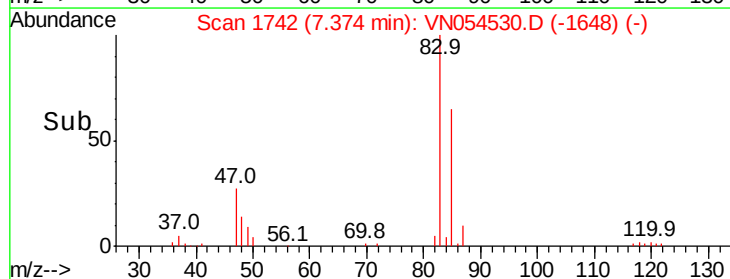
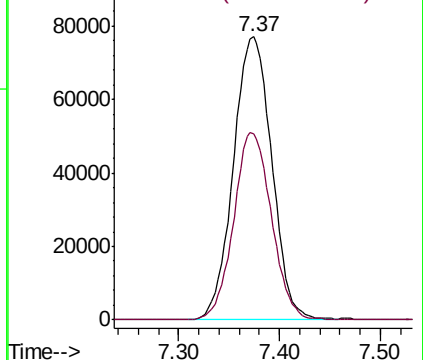
83 100

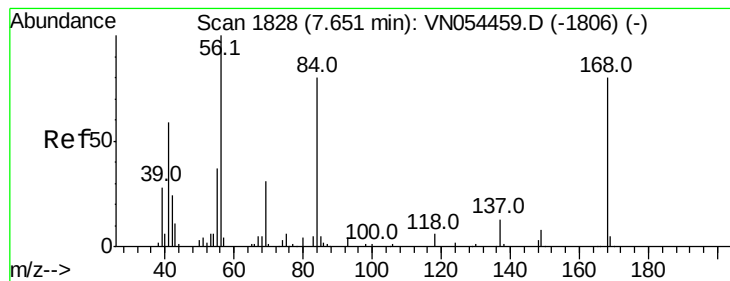
85 65.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.172 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

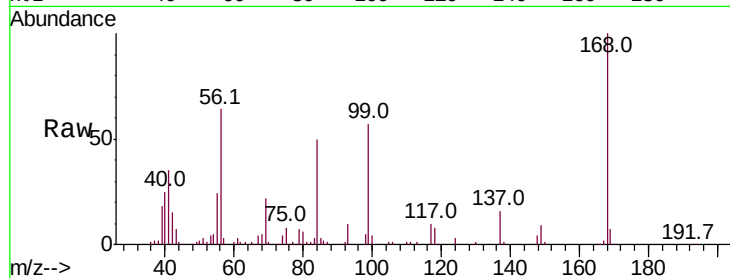
Tot Ion: 56 Resp: 196214

Ion Ratio Lower Upper

56 100

69 33.7 27.8 41.6

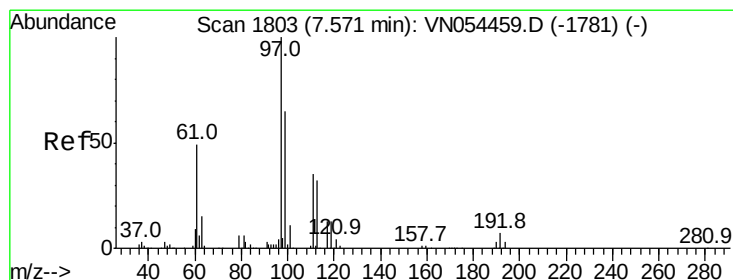
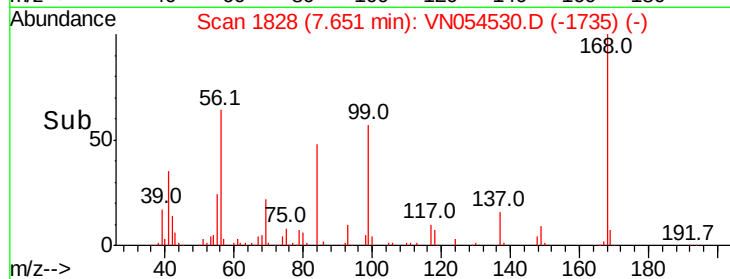
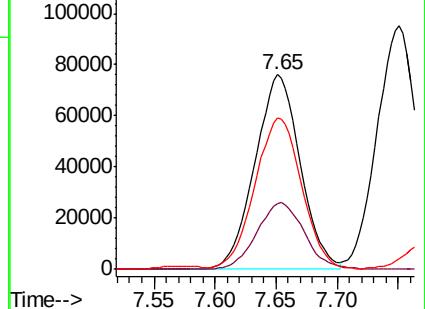
84 76.7 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.812 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

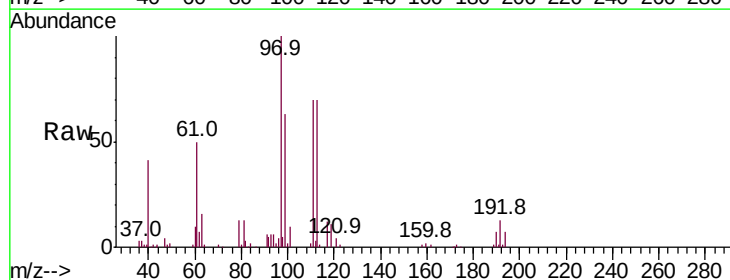
Tgt Ion: 97 Resp: 169087

Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

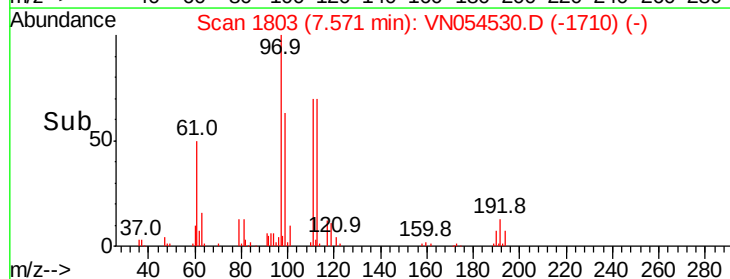
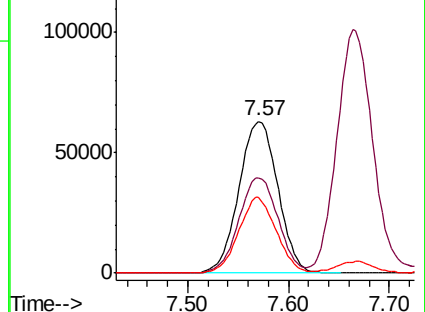
61 48.0 33.6 50.4

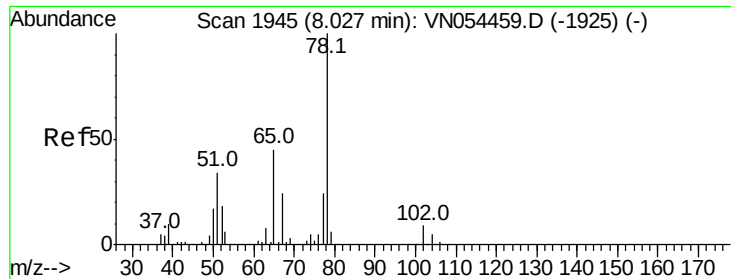


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

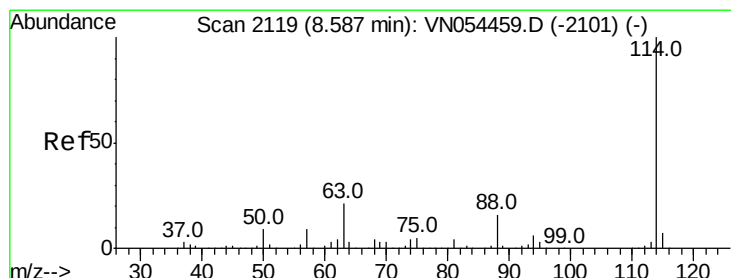
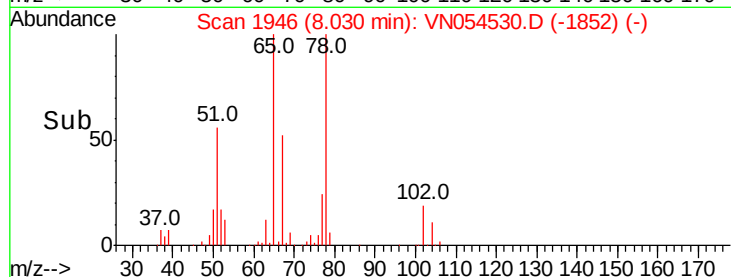
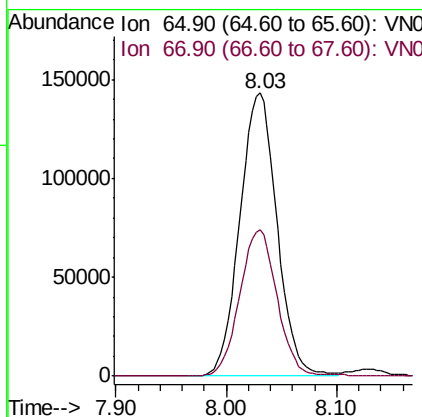
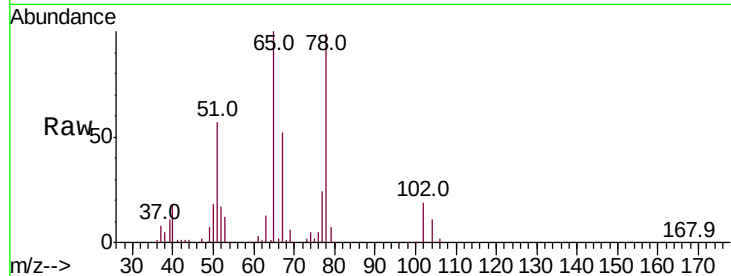




#33
 1,2-Dichloroethane-d4
 Concen: 56.330 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

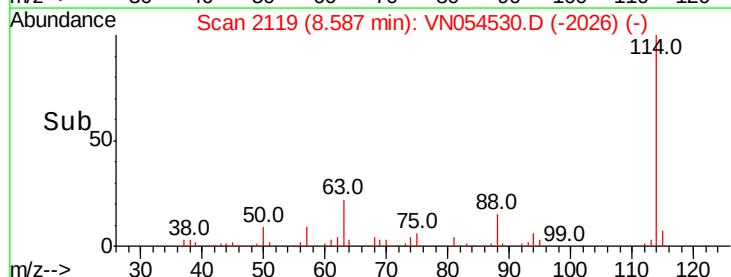
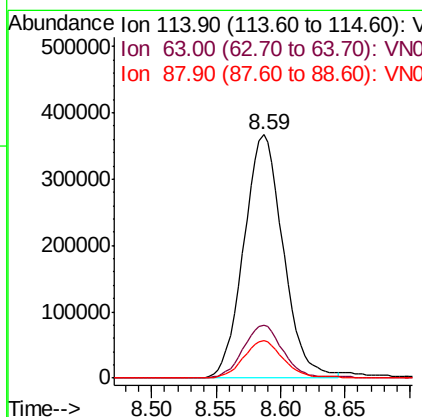
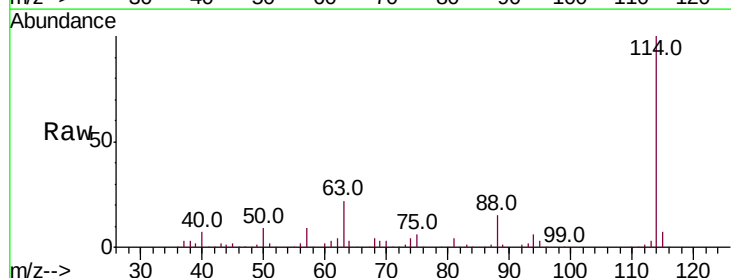
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

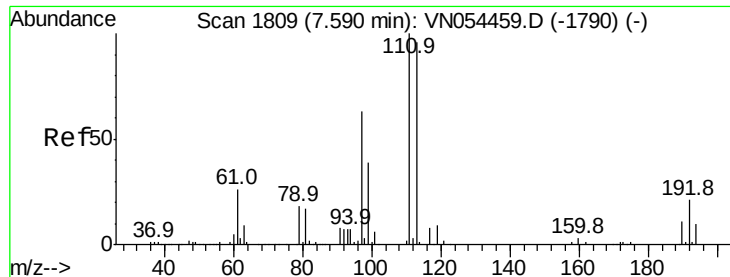
Tot Ion: 65 Resp: 334392
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 114 Resp: 780706
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 35.2
 88 15.5 0.0 30.2

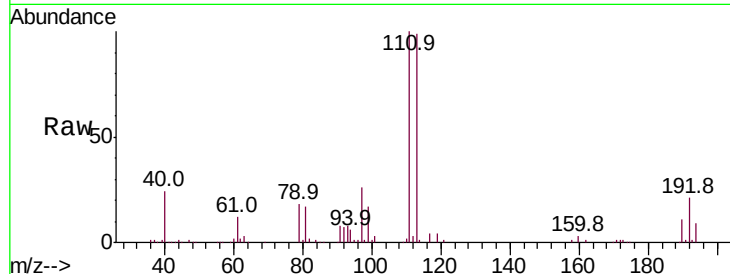




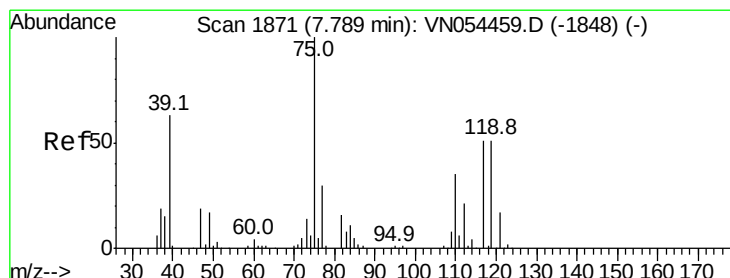
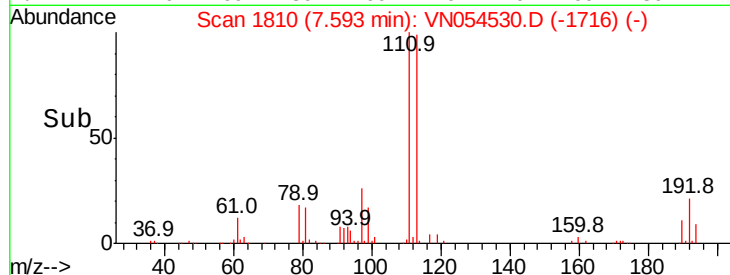
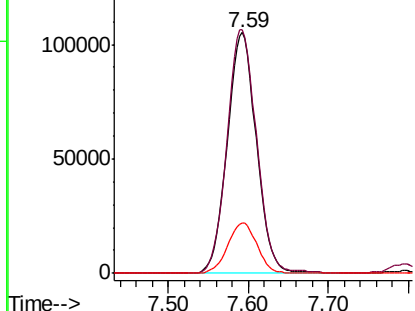
#35
 Dibromofluoromethane
 Concen: 52.035 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS02

Tot Ion:113 Resp: 261721
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 21.0 19.2 28.8

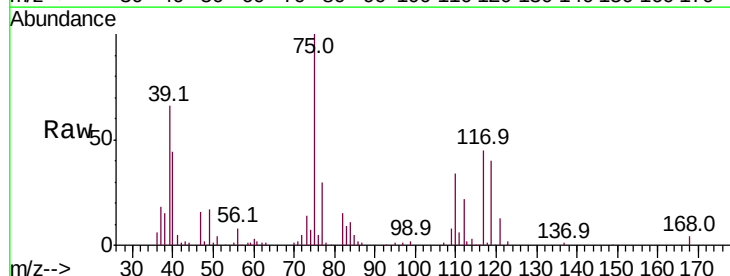


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

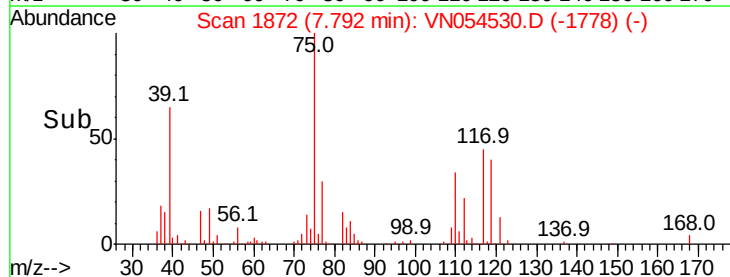
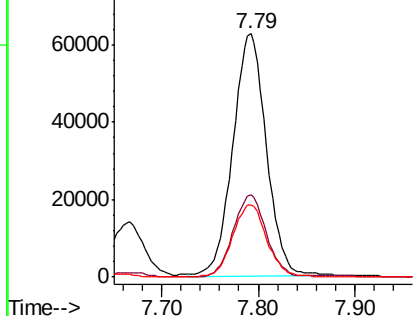


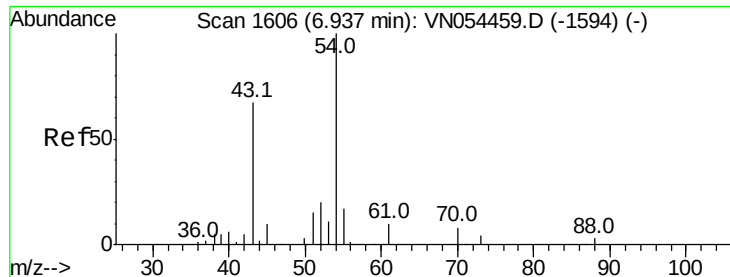
#36
 1,1-Dichloropropene
 Concen: 20.670 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 75 Resp: 150884
 Ion Ratio Lower Upper
 75 100
 110 33.6 19.1 57.5
 77 30.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

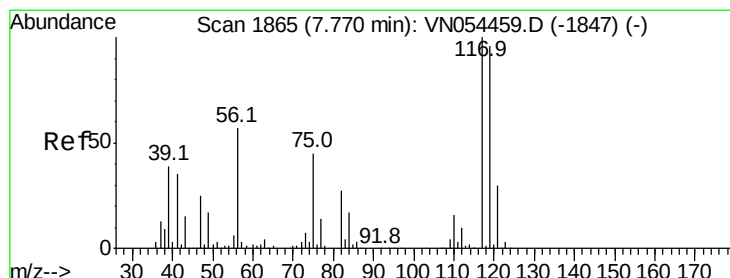
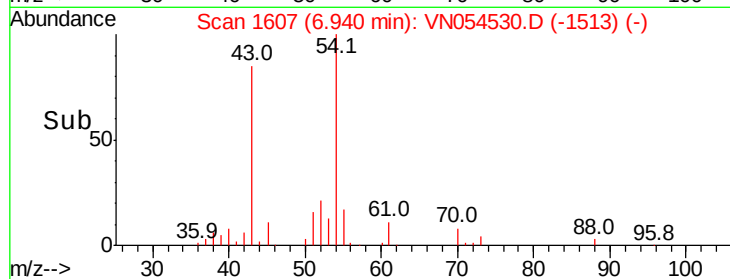
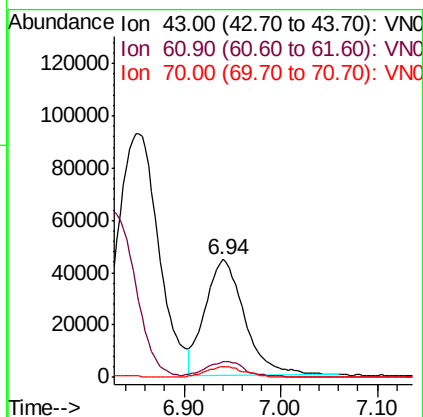
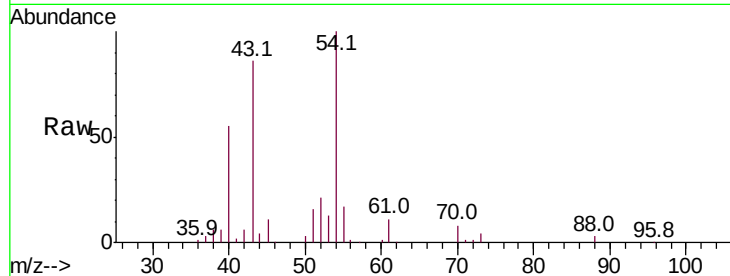




#37
Ethyl Acetate
Concen: 24.250 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

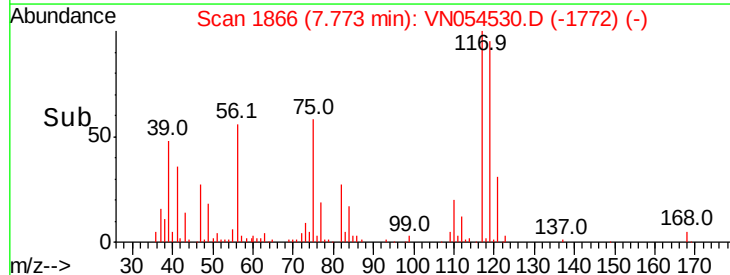
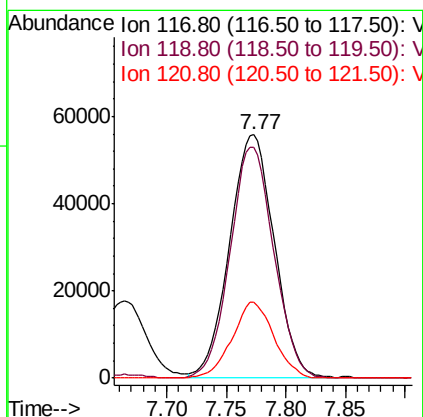
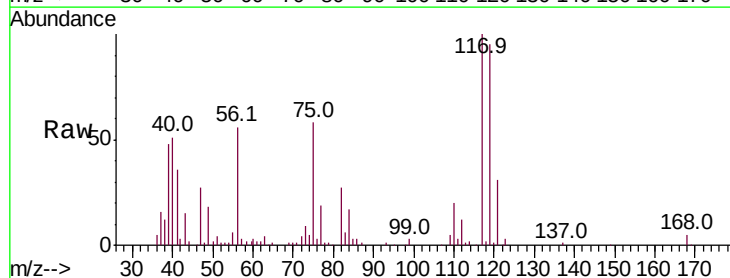
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

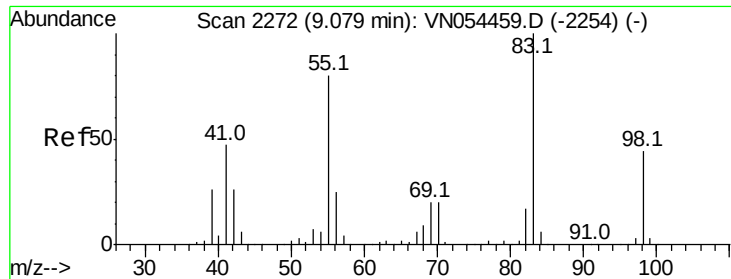
Tot Ion: 43 Resp: 125902
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 9.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.306 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 117 Resp: 144044
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5
121 31.1 24.6 36.8

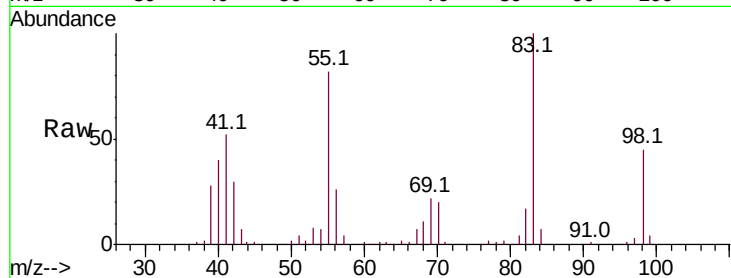




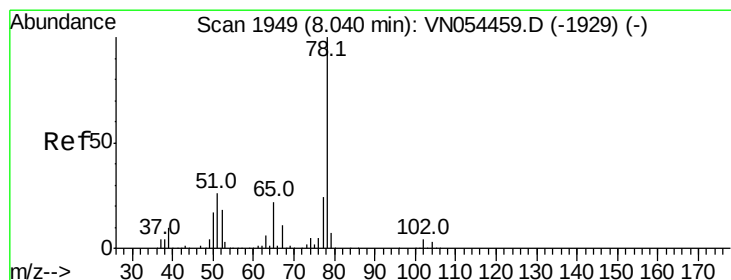
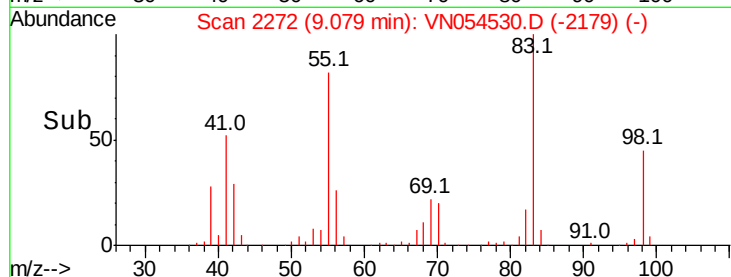
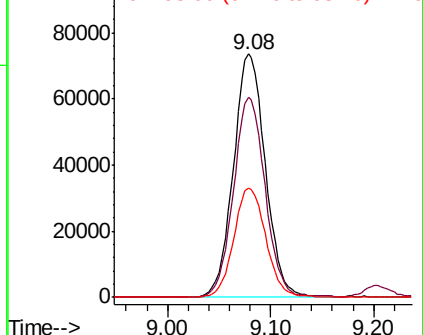
#39
Methylvlcyclohexane
Concen: 19.069 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS02

Tot Ion: 83 Resp: 159229
Ion Ratio Lower Upper
83 100
55 82.2 56.6 84.8
98 45.0 38.4 57.6

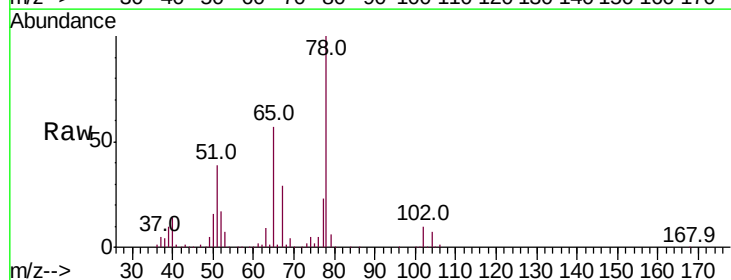


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

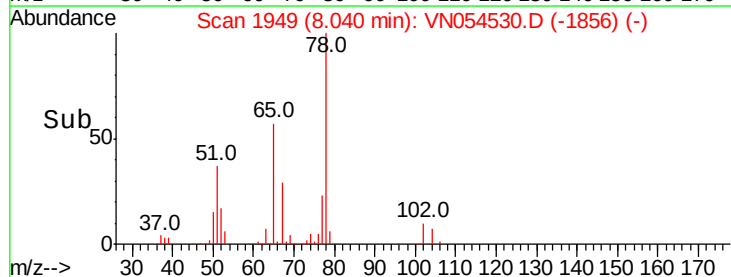
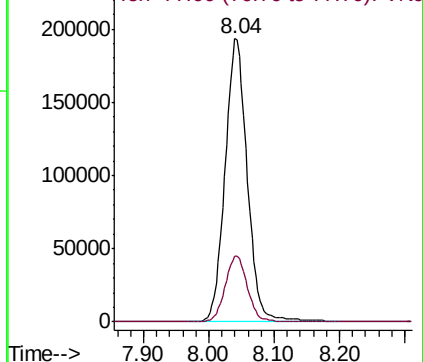


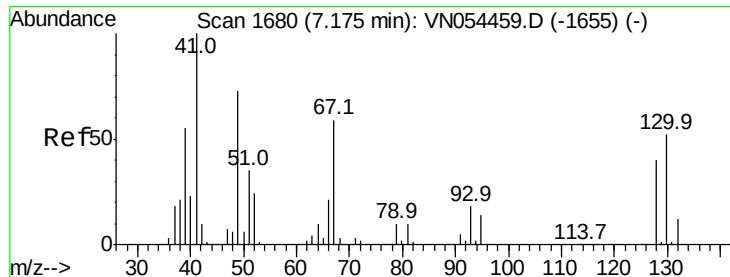
#40
Benzene
Concen: 21.825 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 78 Resp: 455565
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

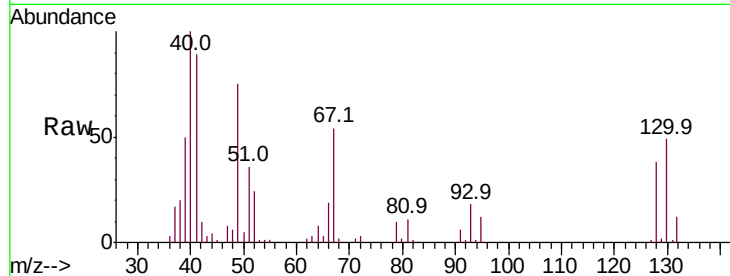




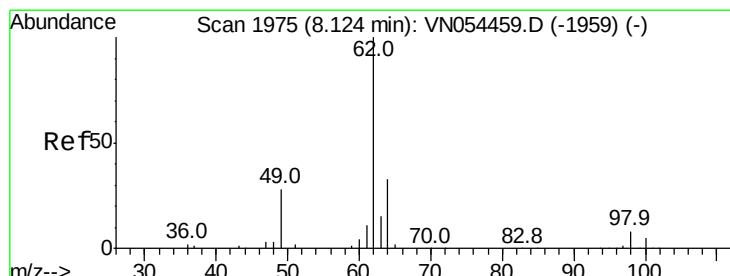
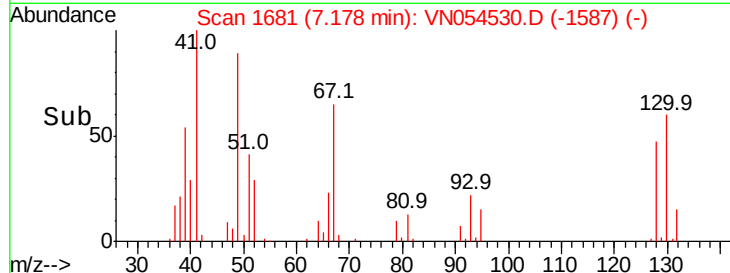
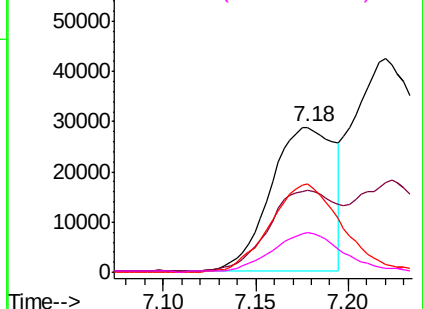
#41
Methacrylonitrile
Concen: 21.689 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS02

Tot Ion: 41 Resp: 68671
Ion Ratio Lower Upper
41 100
39 60.1 46.8 70.2
67 70.2 67.0 100.4
52 31.5 26.5 39.7

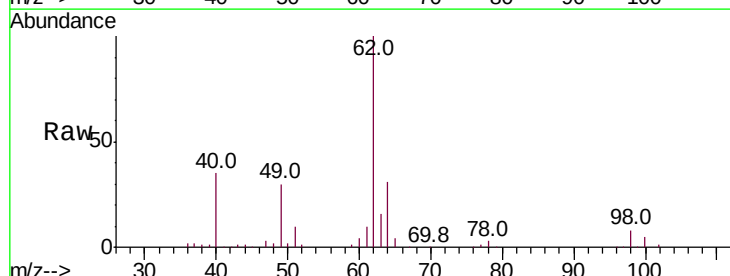


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

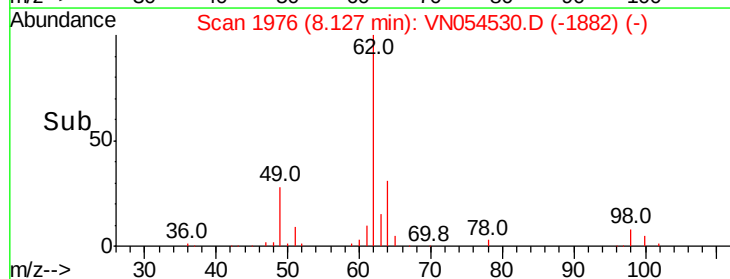
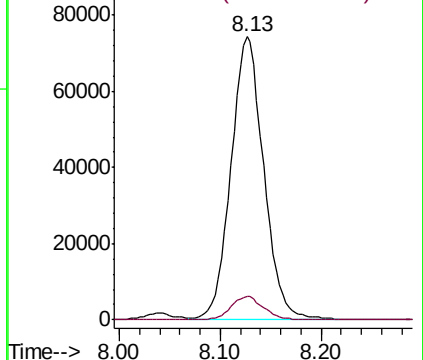


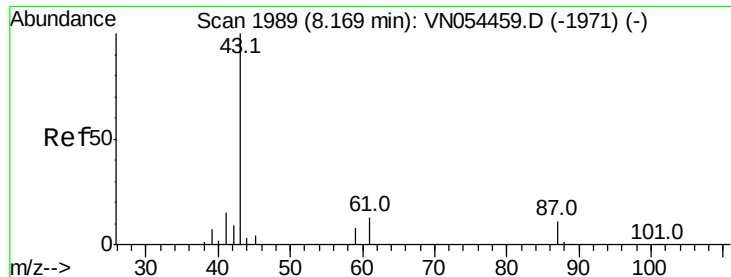
#42
1,2-Dichloroethane
Concen: 21.943 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 62 Resp: 166806
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 23.433 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

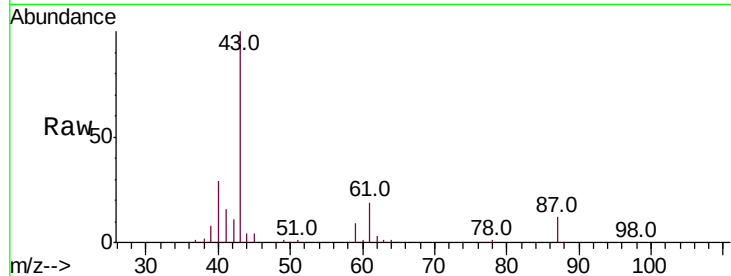
Tot Ion: 43 Resp: 205467

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

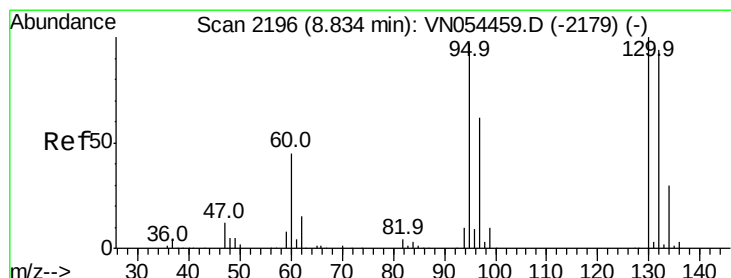
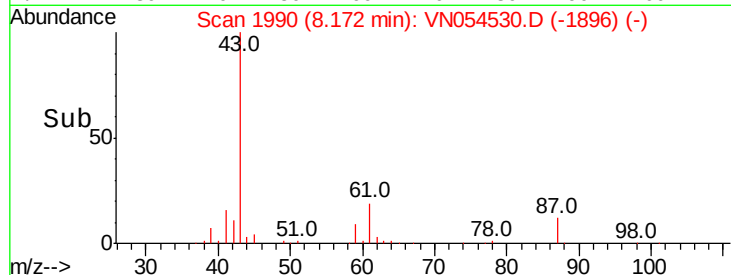
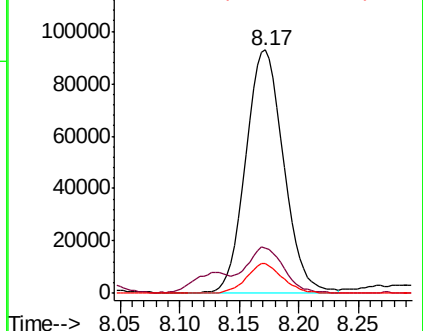
87 11.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.855 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054530.D

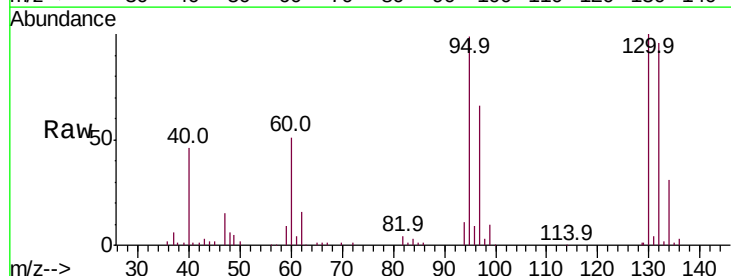
Acq: 22 Mar 2019 00:53

Tgt Ion:130 Resp: 121031

Ion Ratio Lower Upper

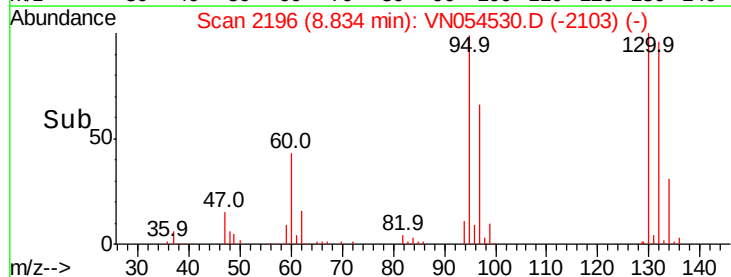
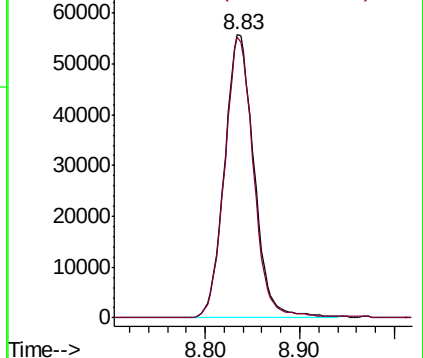
130 100

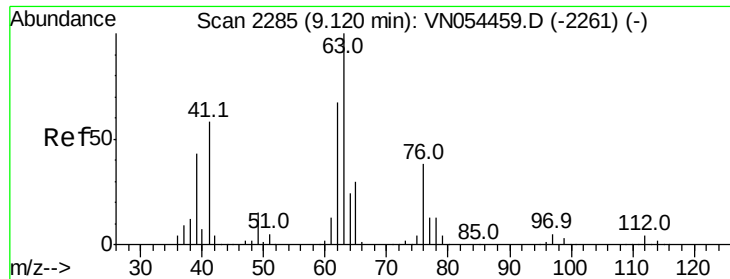
95 99.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

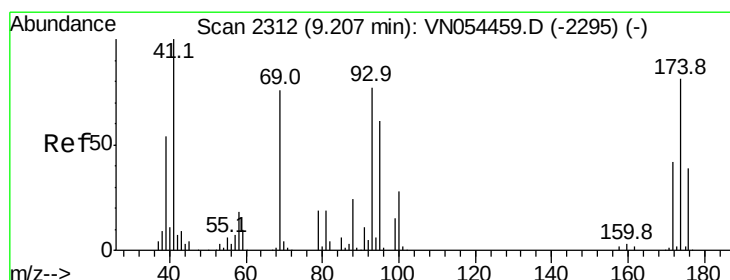
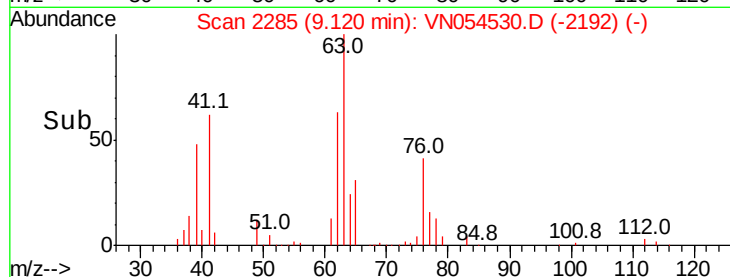
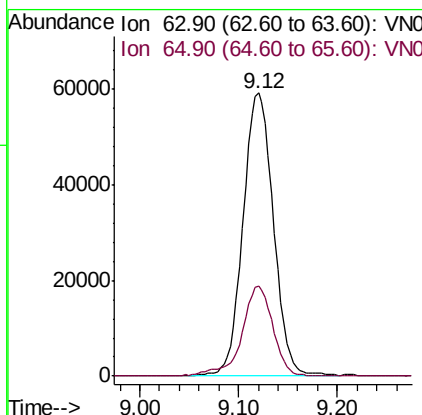
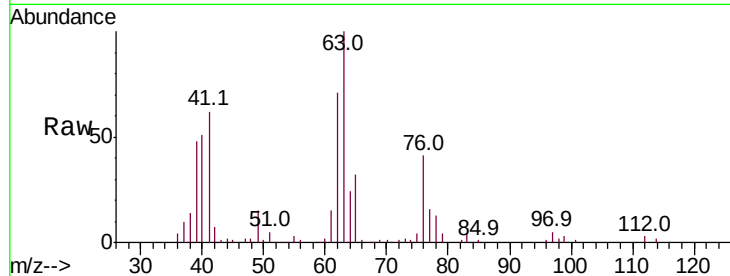




#45
 1,2-Dichloropropane
 Concen: 22.538 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

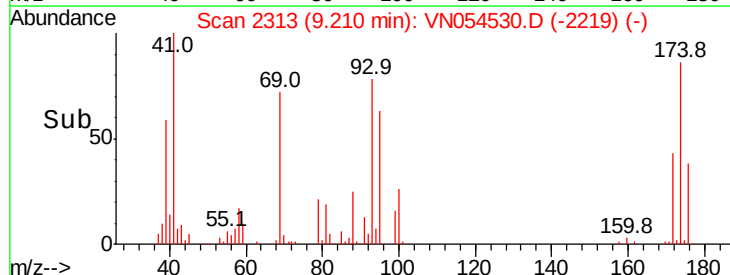
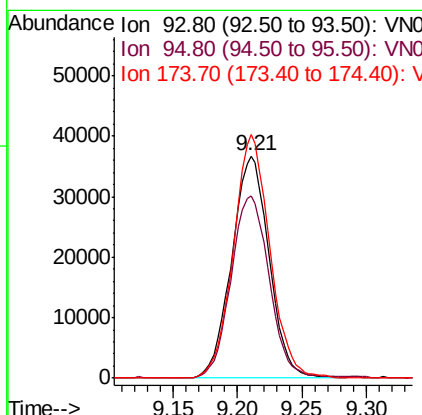
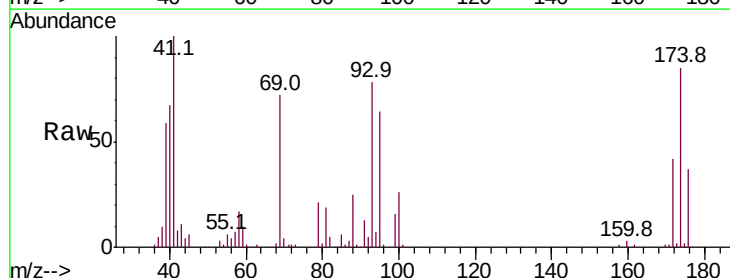
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS02

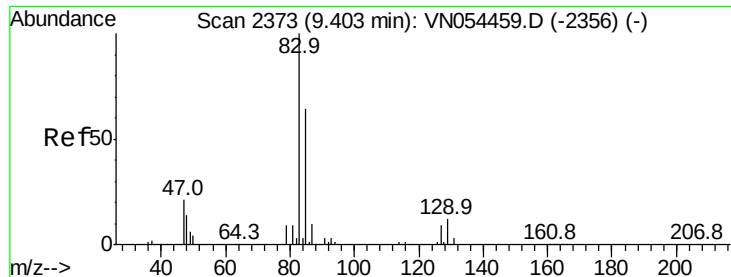
Tot Ion: 63 Resp: 126325
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.6



#46
 Dibromomethane
 Concen: 22.126 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion: 93 Resp: 73984
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 107.0 98.5 147.7





#47

Bromodichloromethane

Concen: 21.813 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

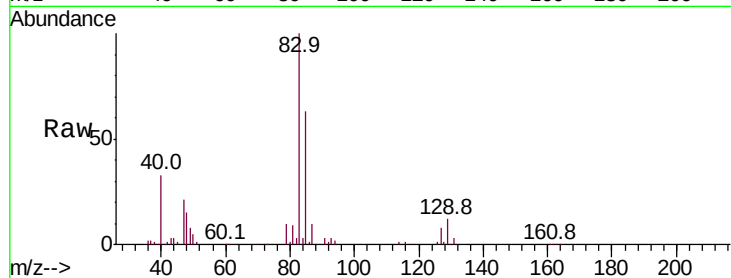
Tot Ion: 83 Resp: 151373

Ion Ratio Lower Upper

83 100

85 62.6 52.8 79.2

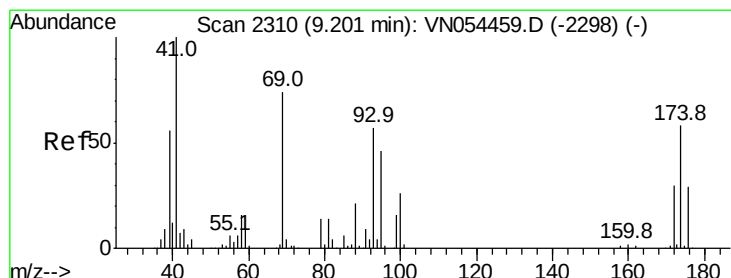
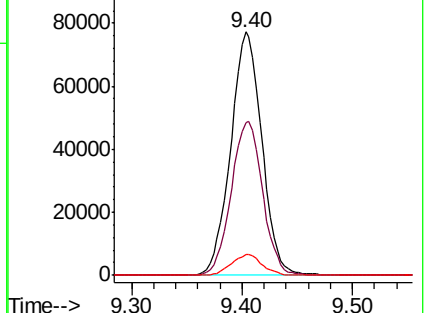
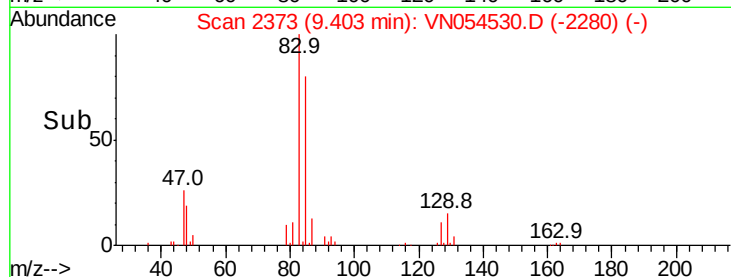
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.750 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

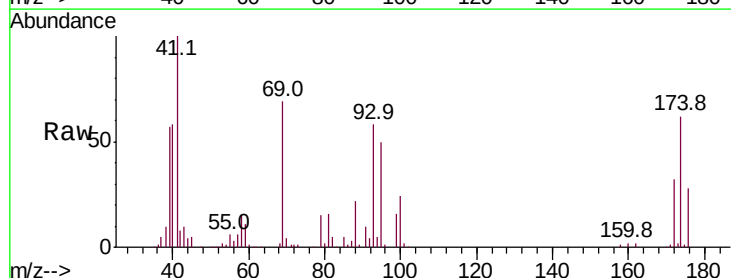
Tgt Ion: 41 Resp: 108267

Ion Ratio Lower Upper

41 100

69 73.1 72.6 108.8

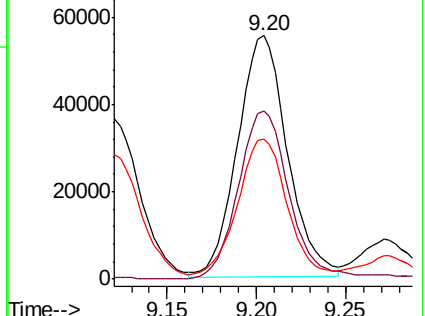
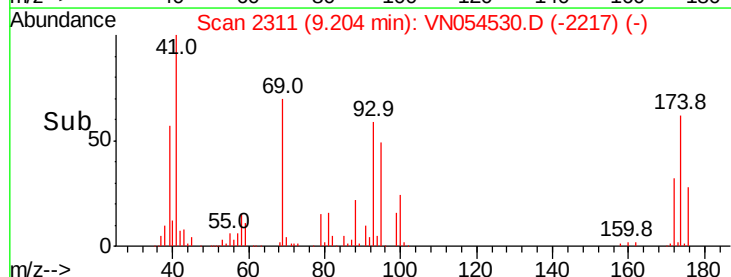
39 57.3 47.5 71.3

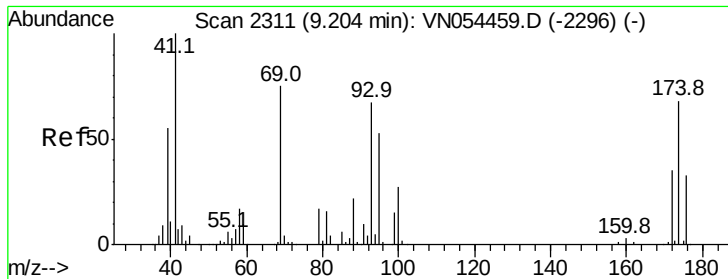


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 469.088 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

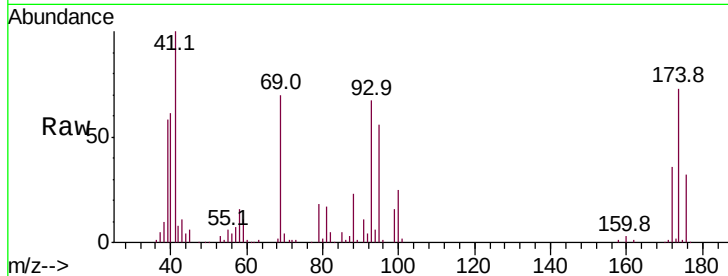
Tot Ion: 88 Resp: 24957

Ion Ratio Lower Upper

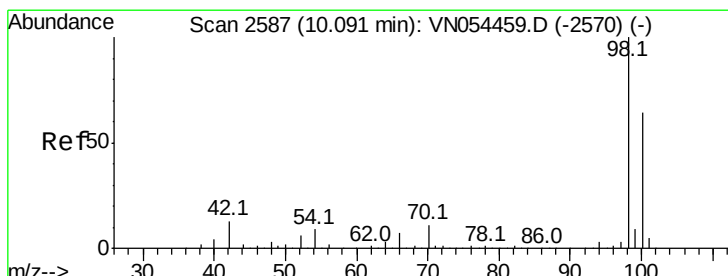
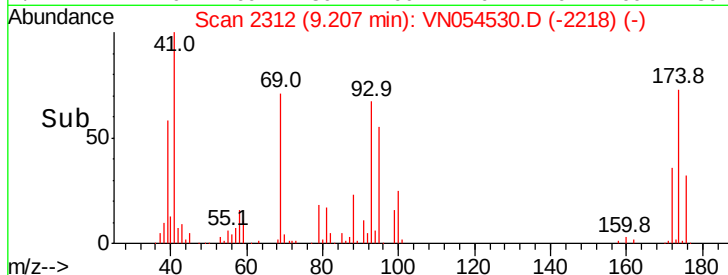
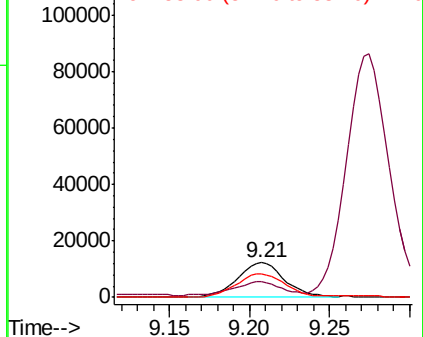
88 100

43 38.1 24.1 36.1#

58 71.7 50.8 76.2



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: 50.549 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054530.D

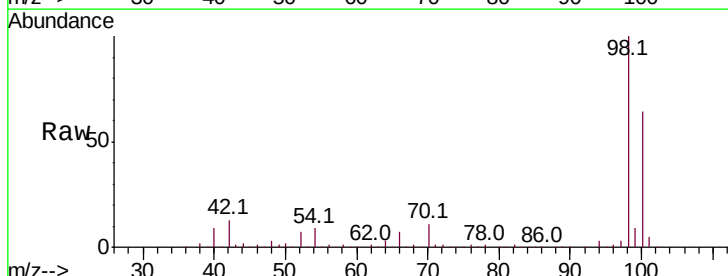
Acq: 22 Mar 2019 00:53

Tgt Ion: 98 Resp: 955800

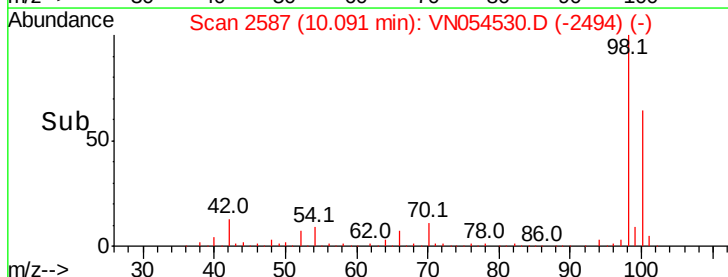
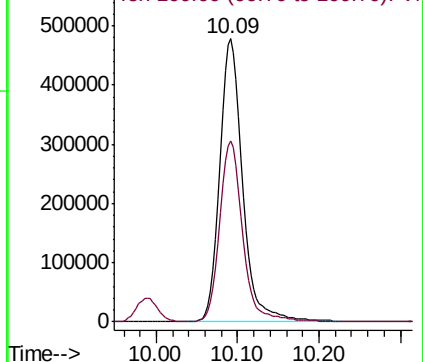
Ion Ratio Lower Upper

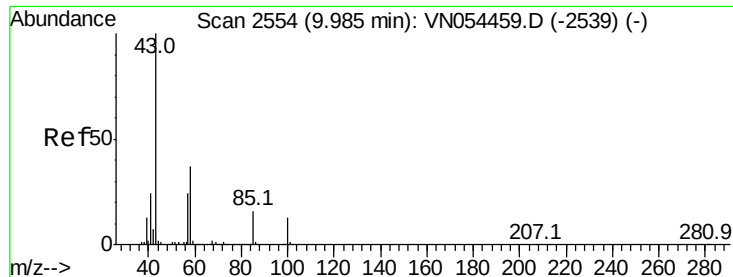
98 100

100 64.0 51.2 76.8



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: 122.105 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

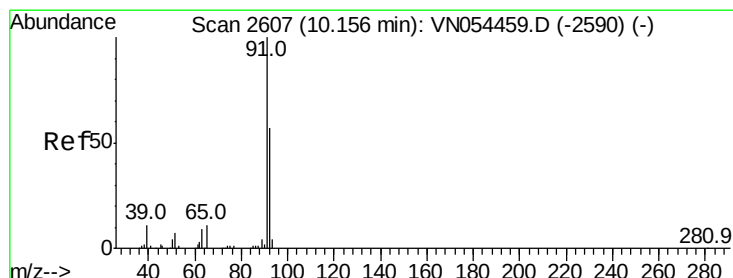
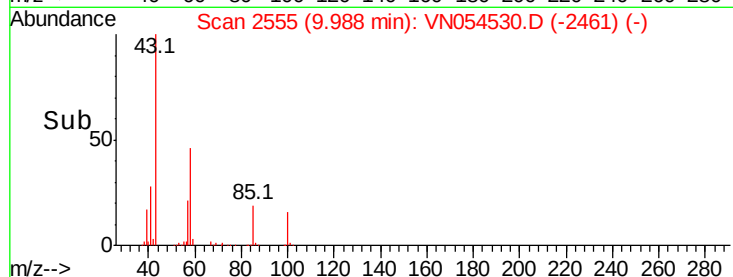
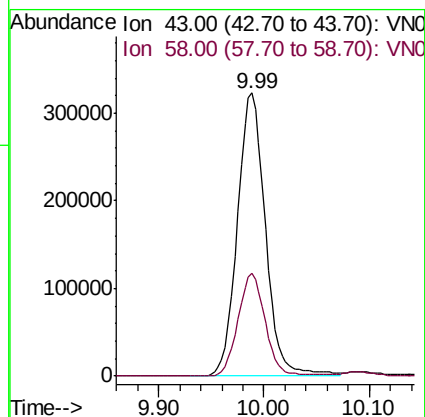
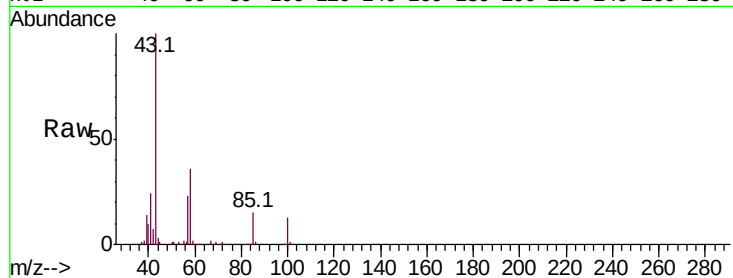
VN0321WBS02

Tot Ion: 43 Resp: 593350

Ion Ratio Lower Upper

43 100

58 35.3 31.8 47.6



#52

Toluene

Concen: 20.844 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054530.D

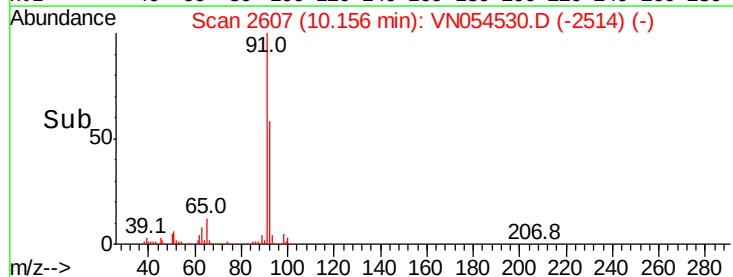
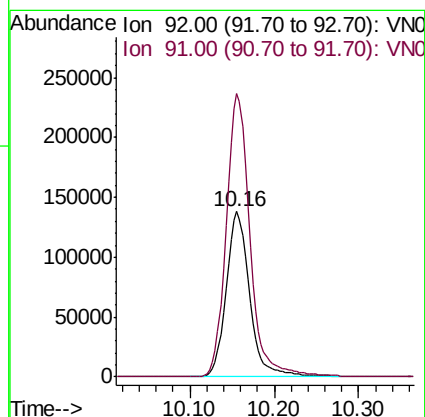
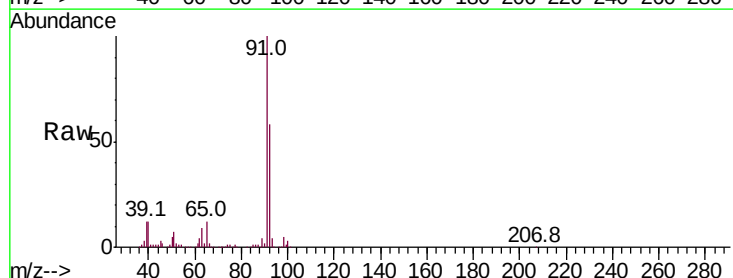
Acq: 22 Mar 2019 00:53

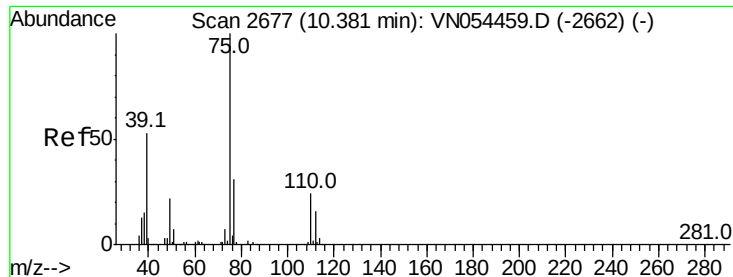
Tgt Ion: 92 Resp: 267604

Ion Ratio Lower Upper

92 100

91 173.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.057 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

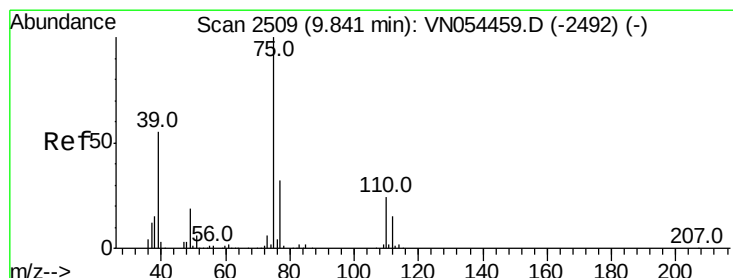
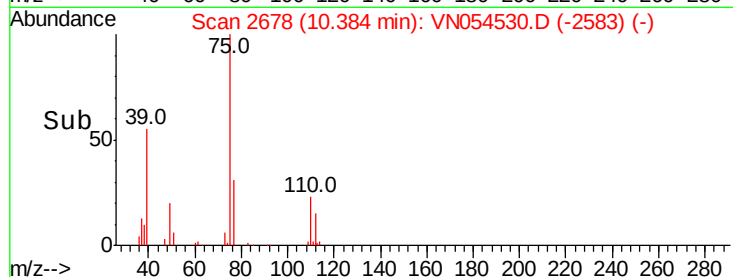
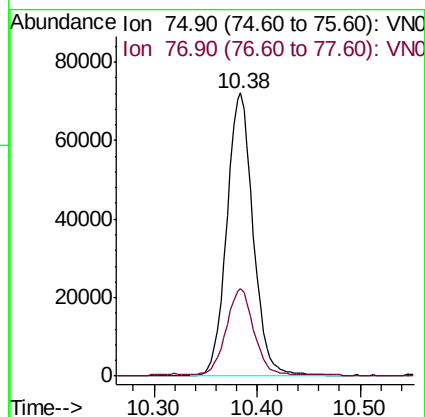
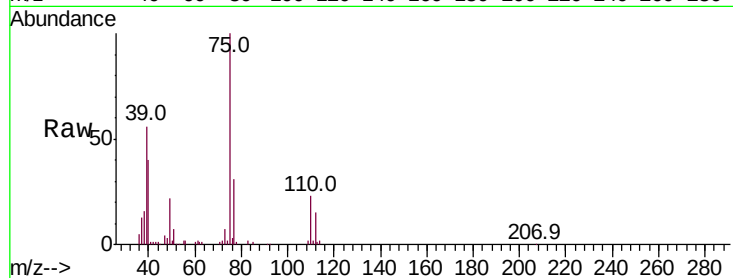
VN0321WBS02

Tot Ion: 75 Resp: 128921

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.183 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

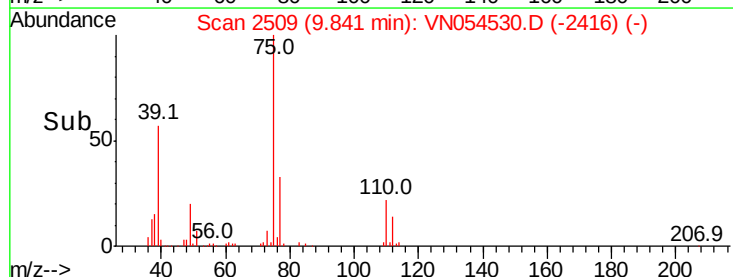
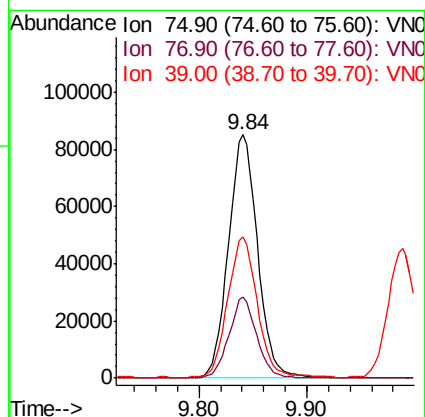
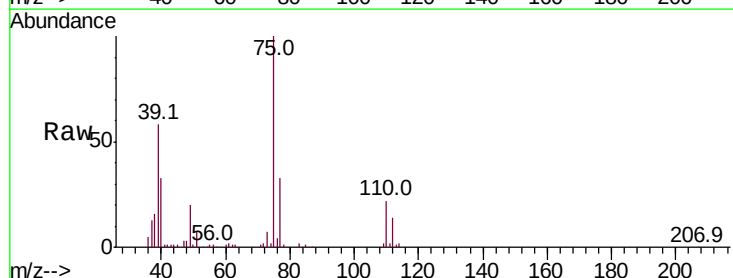
Tgt Ion: 75 Resp: 160600

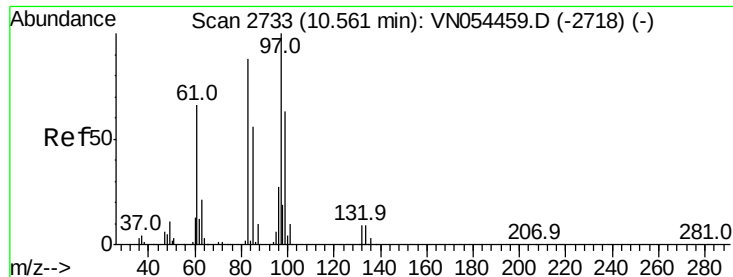
Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0

39 57.6 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 22.419 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

Tot Ion: 97 Resp: 103460

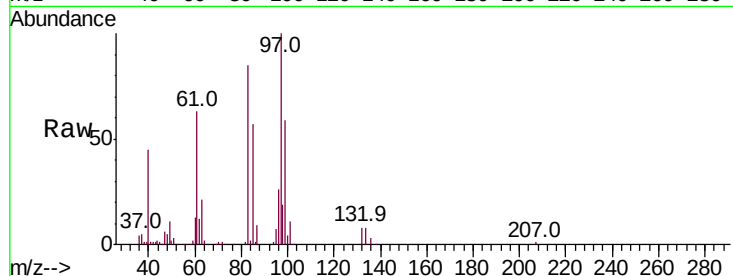
Ion Ratio Lower Upper

97 100

83 85.2 66.6 100.0

85 57.3 44.4 66.6

99 58.7 50.8 76.2

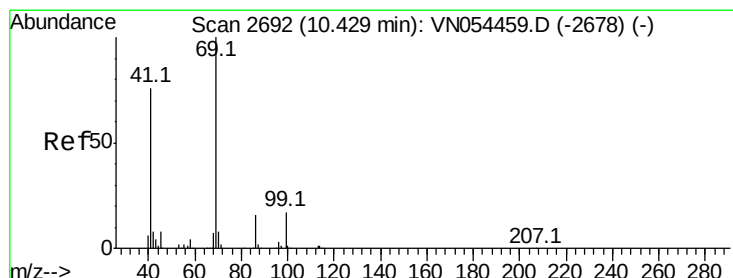
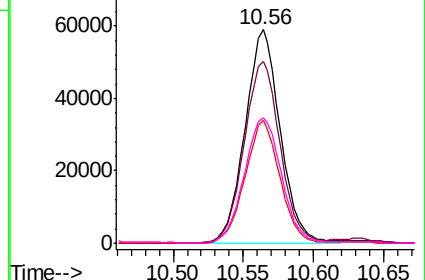
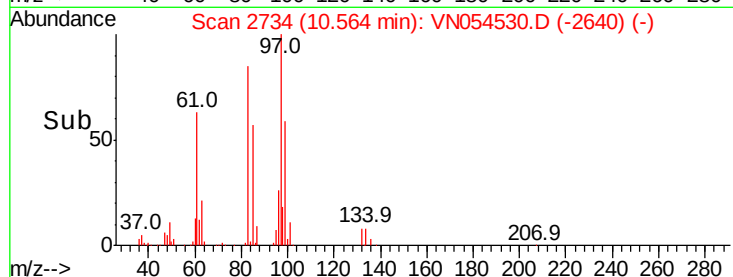


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.376 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

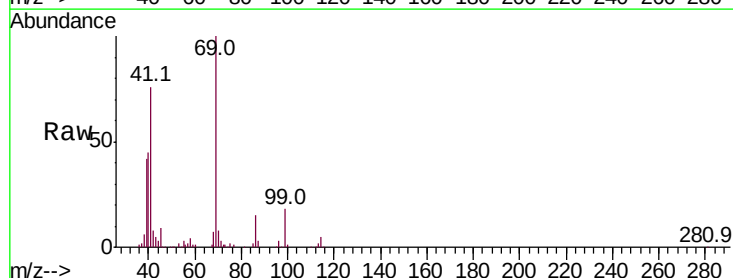
Tgt Ion: 69 Resp: 132404

Ion Ratio Lower Upper

69 100

41 79.4 49.4 74.2#

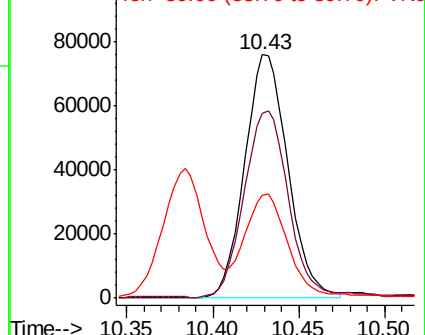
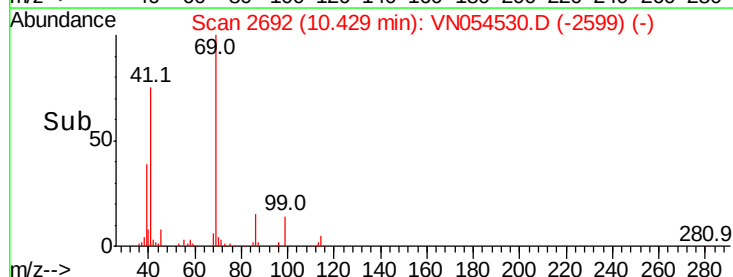
39 41.9 28.3 42.5

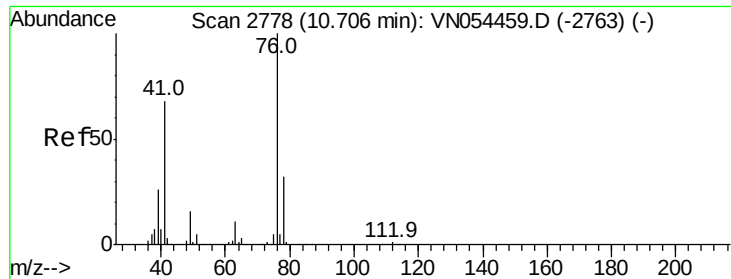


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.567 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampled :

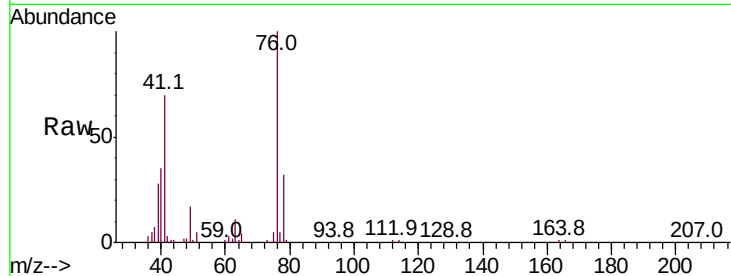
VN0321WBS02

Tot Ion: 76 Resp: 181038

Ion Ratio Lower Upper

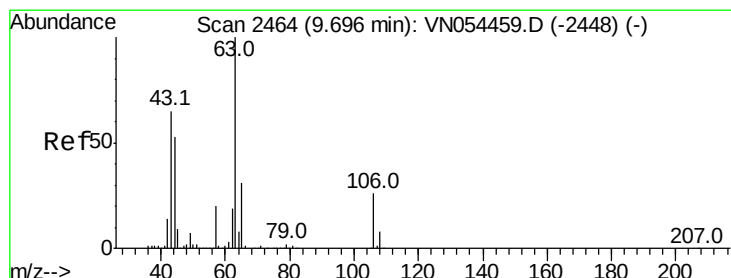
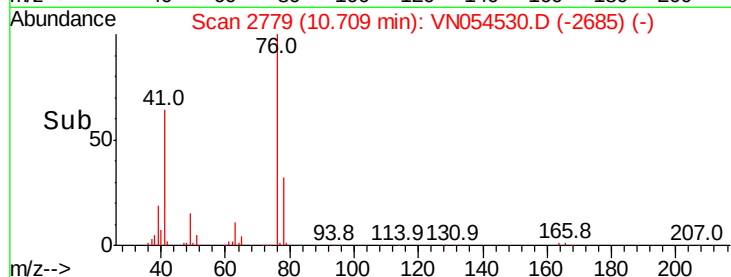
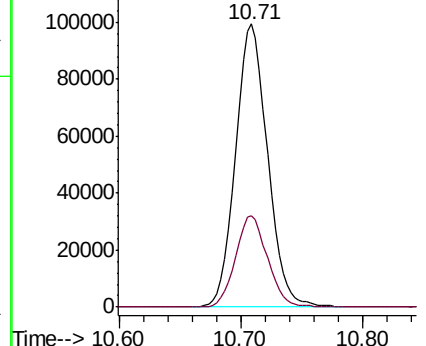
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.424 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054530.D

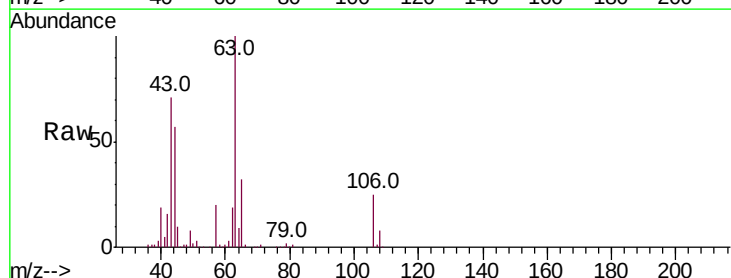
Acq: 22 Mar 2019 00:53

Tgt Ion: 63 Resp: 266346

Ion Ratio Lower Upper

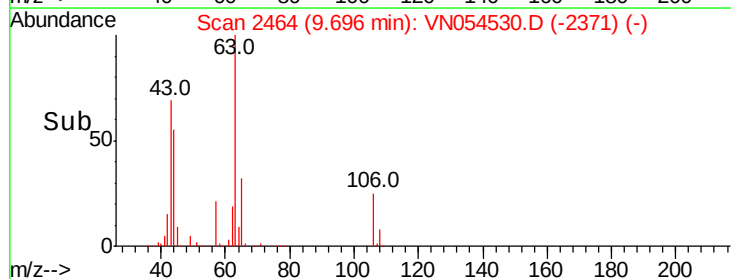
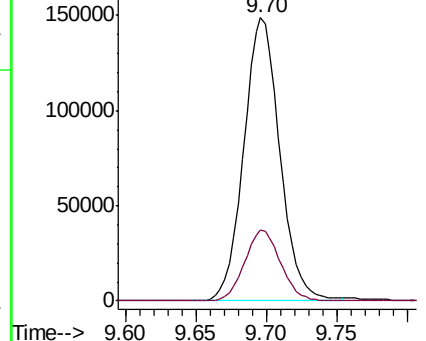
63 100

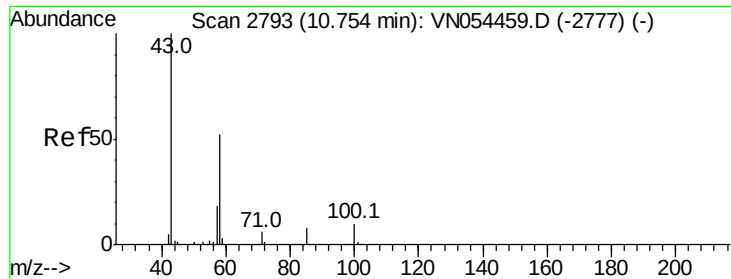
106 25.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

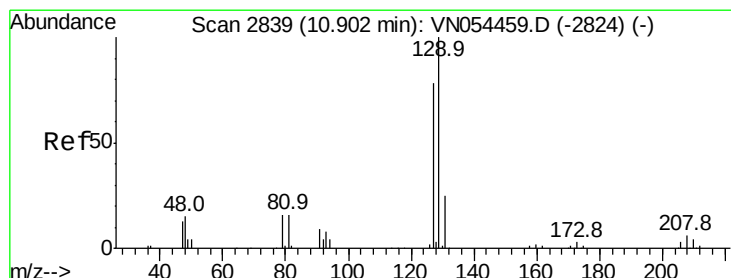
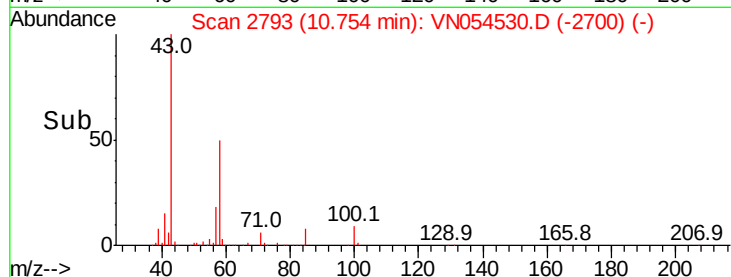
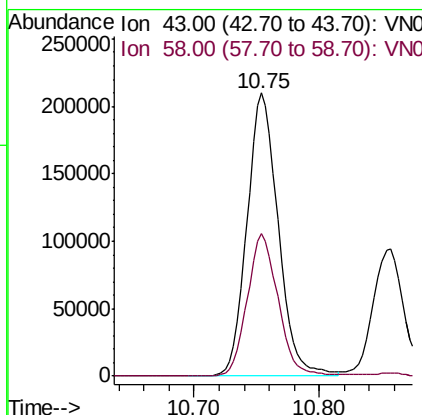
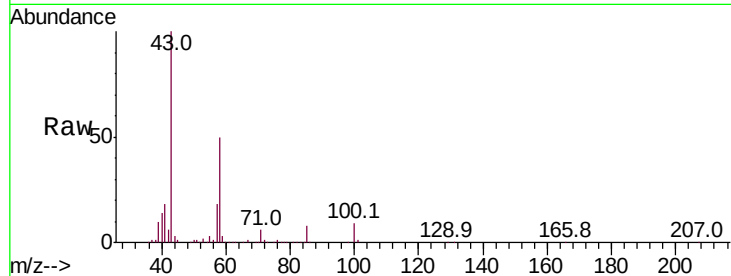




#59
2-Hexanone
Concen: 114.321 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

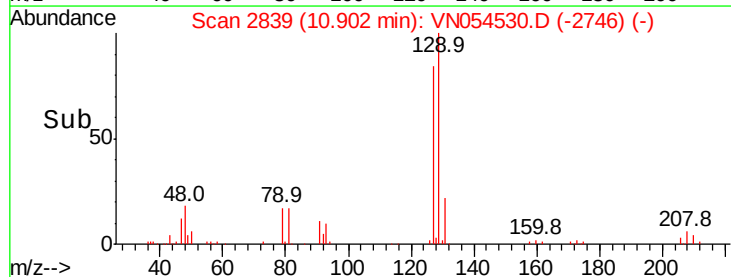
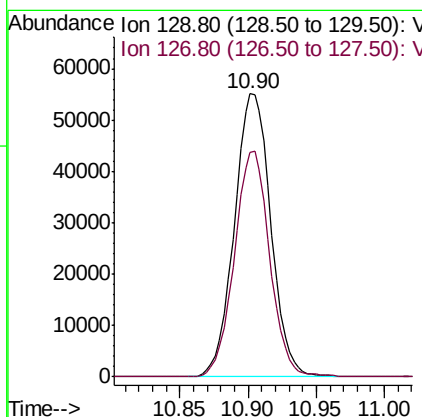
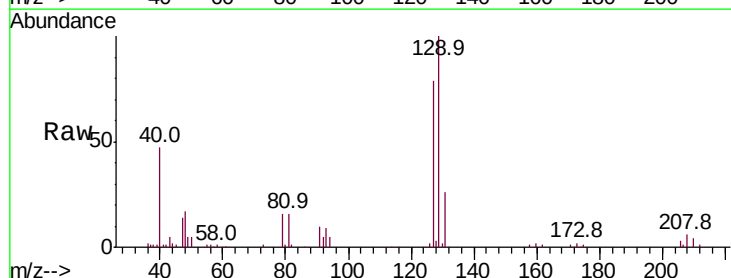
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

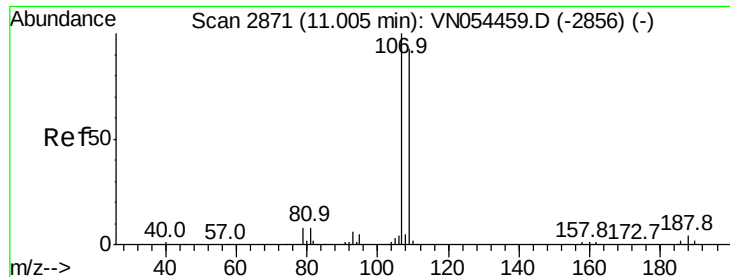
Tot Ion: 43 Resp: 362864
Ion Ratio Lower Upper
43 100
58 50.2 28.0 83.9



#60
Dibromochloromethane
Concen: 20.796 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 129 Resp: 102124
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.832 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

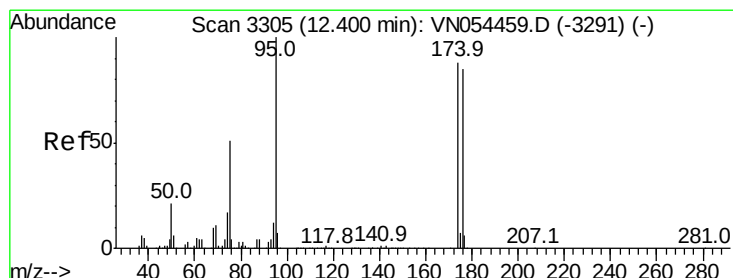
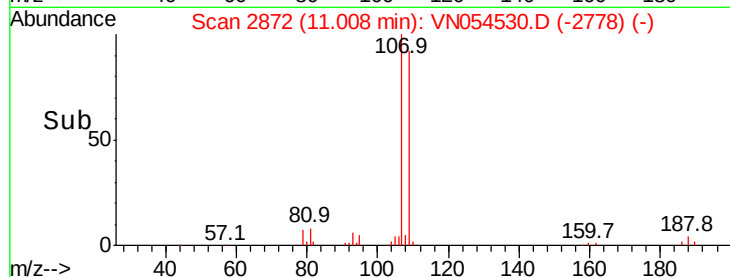
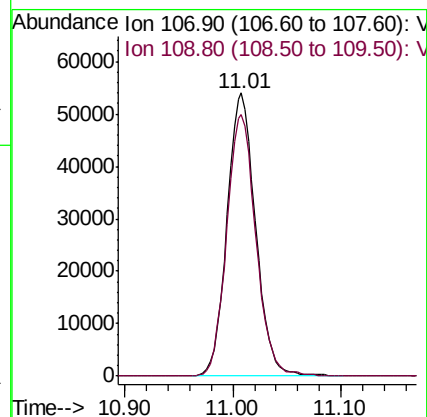
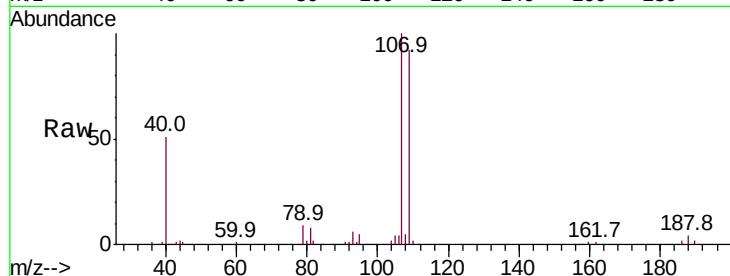
VN0321WBS02

Tot Ion:107 Resp: 99606

Ion Ratio Lower Upper

107 100

109 94.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.432 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

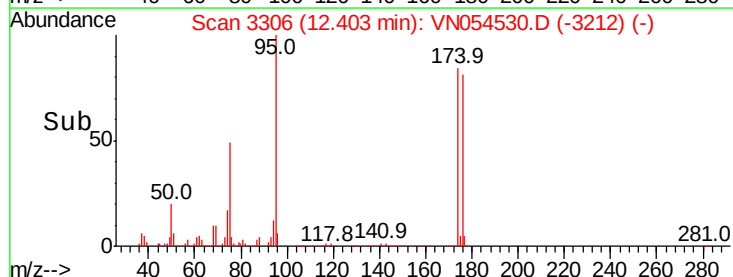
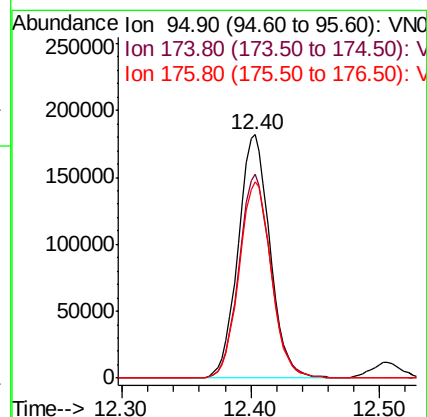
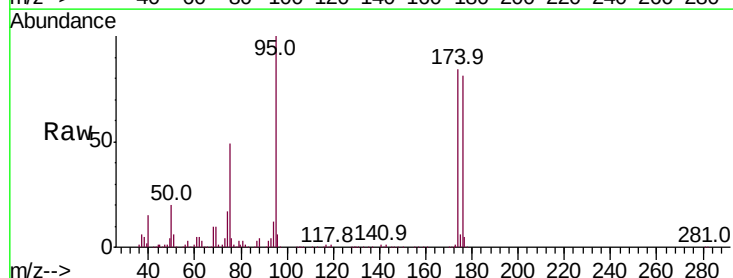
Tgt Ion: 95 Resp: 311626

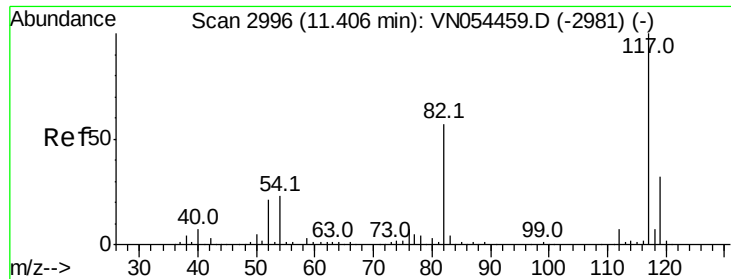
Ion Ratio Lower Upper

95 100

174 84.2 0.0 191.0

176 81.6 0.0 187.4

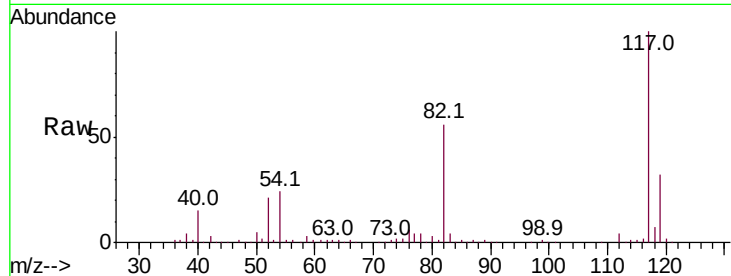




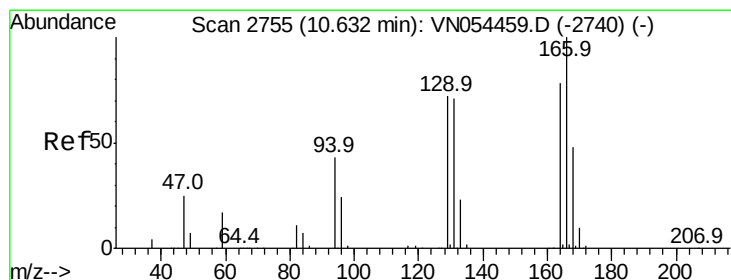
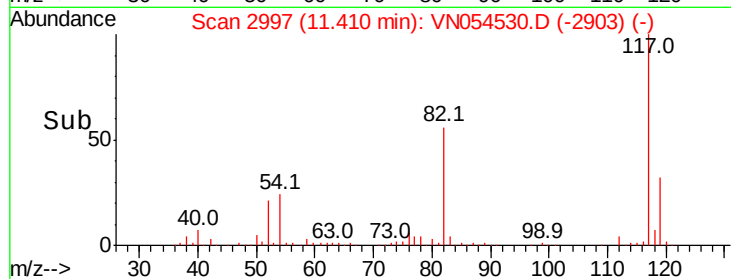
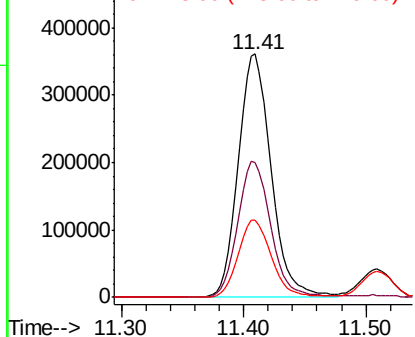
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

Tot Ion:117 Resp: 671958
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 31.9 25.8 38.6

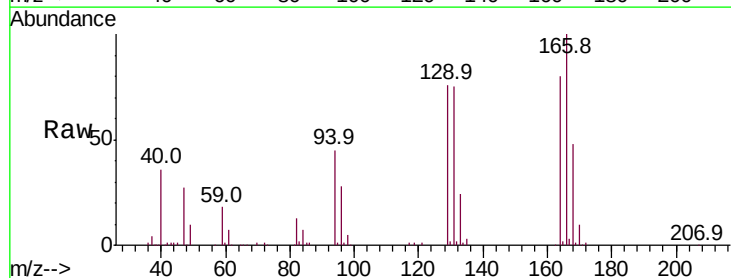


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

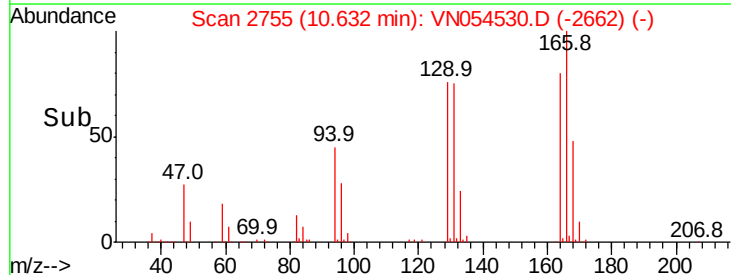
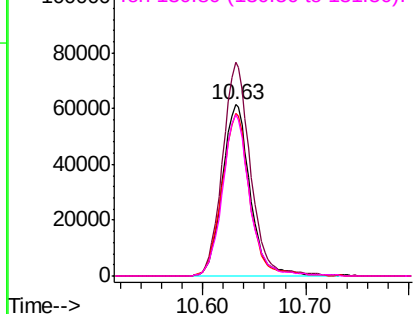


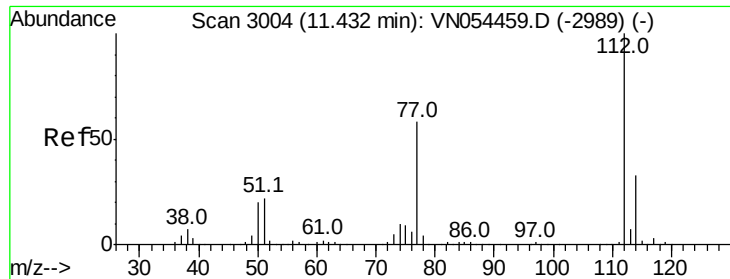
#64
Tetrachloroethene
Concen: 20.757 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion:164 Resp: 115689
Ion Ratio Lower Upper
164 100
166 124.7 103.9 155.9
129 94.6 71.1 106.7
131 94.1 68.2 102.4



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

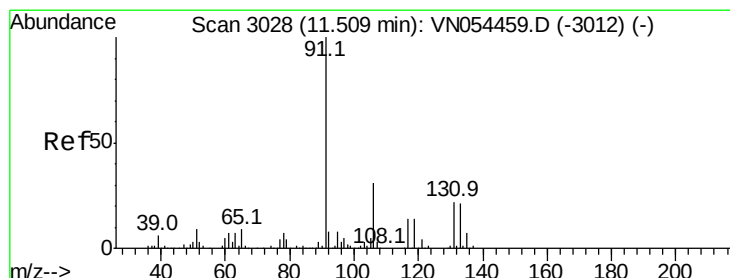
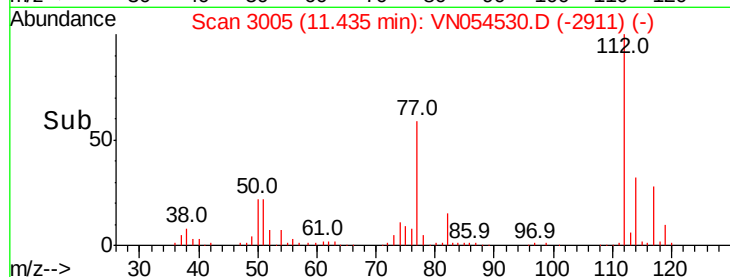
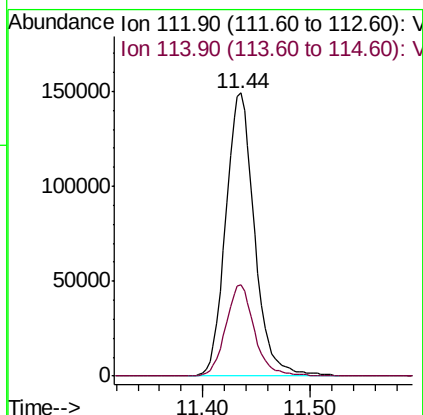
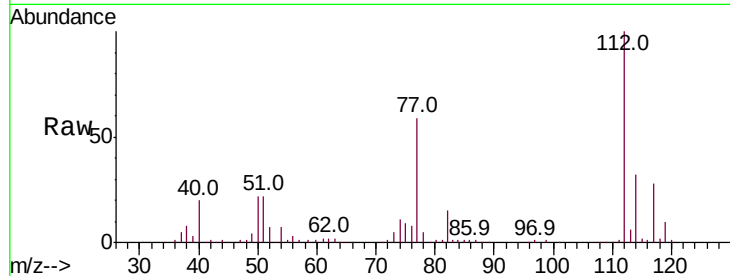




#65
Chlorobenzene
Concen: 20.344 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

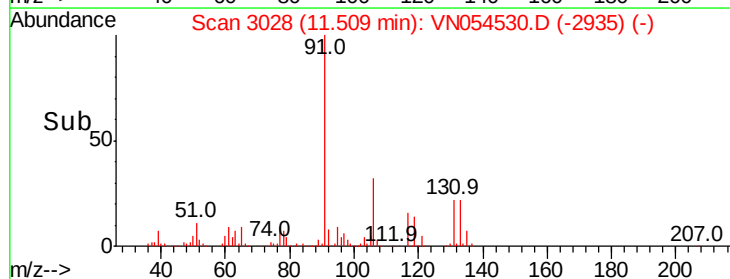
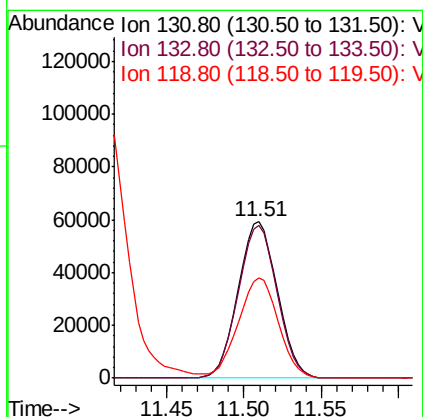
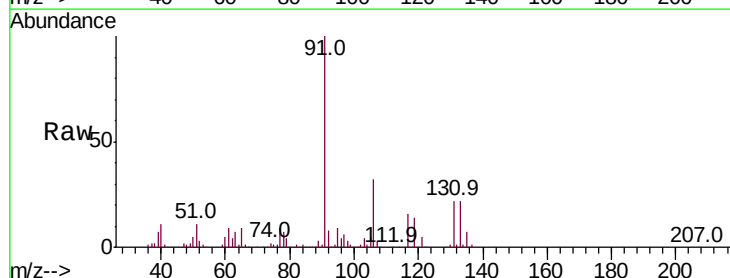
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

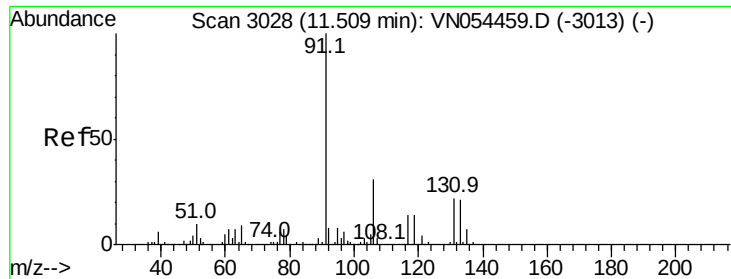
Tot Ion:112 Resp: 278040
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion:131 Resp: 104835
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 65.9 32.4 97.0

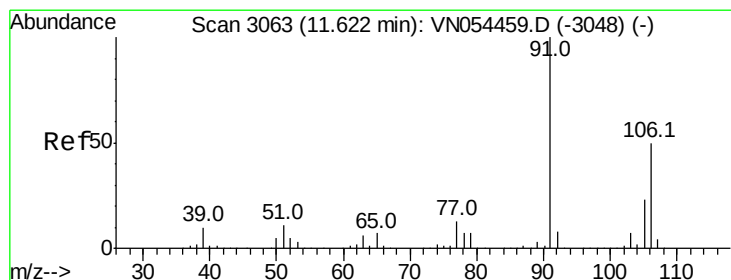
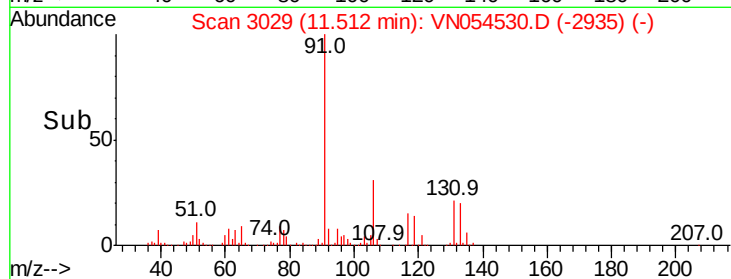
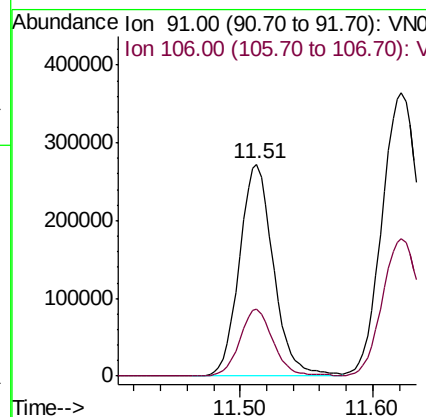
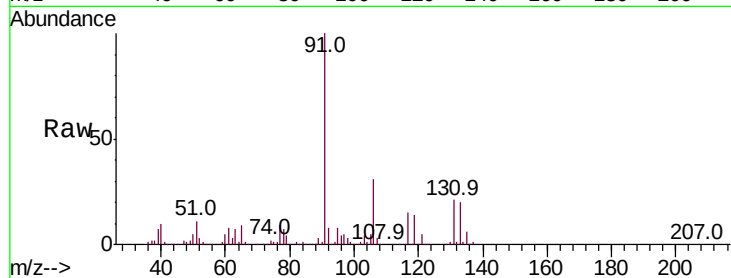




#67
Ethyl Benzene
Concen: 20.149 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

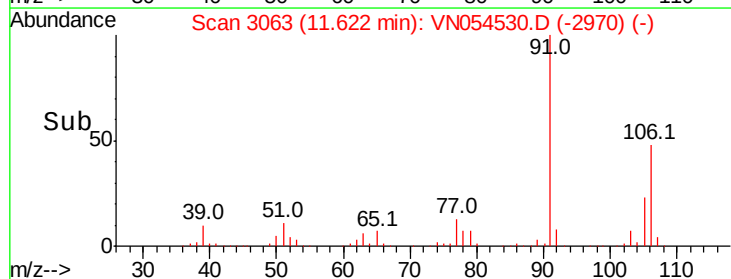
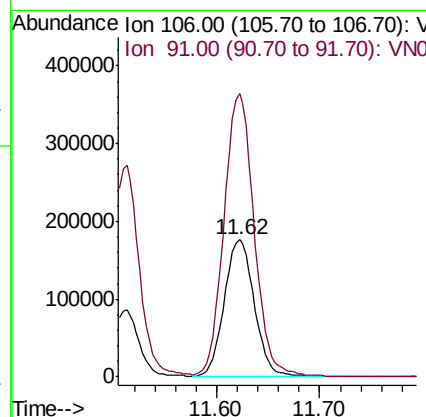
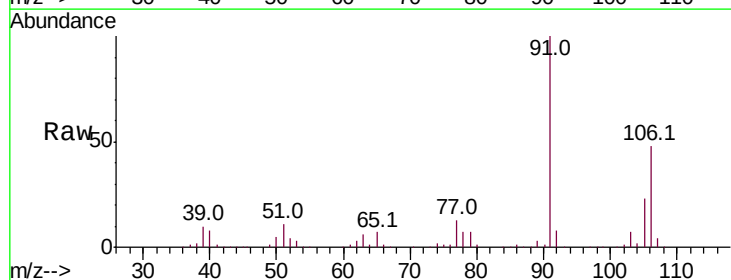
Instrument :
MSVOA_N
ClientSampled :
VN0321WBS02

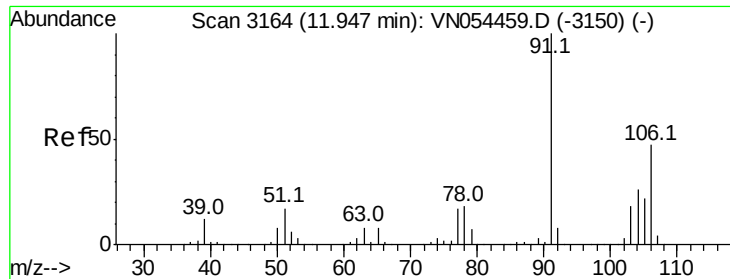
Tot Ion: 91 Resp: 486431
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 39.282 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion: 106 Resp: 359204
Ion Ratio Lower Upper
106 100
91 207.4 159.4 239.2

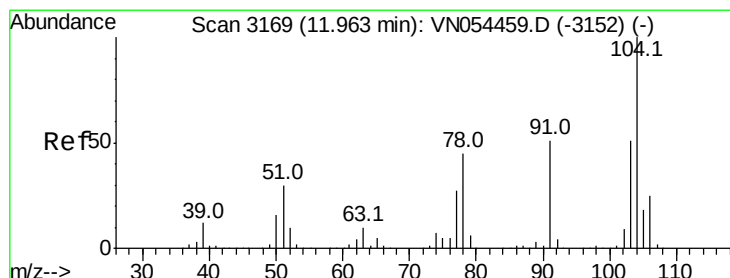
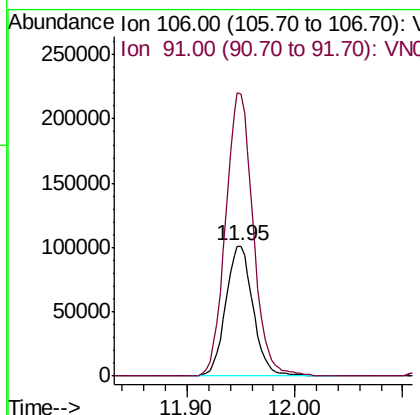
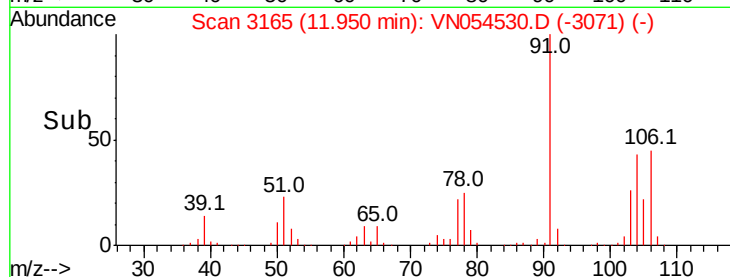
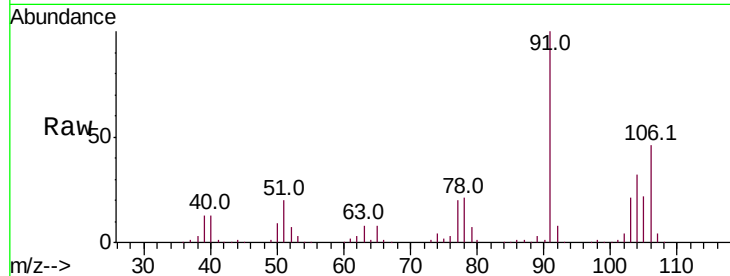




#69
o-Xylene
Concen: 20.044 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

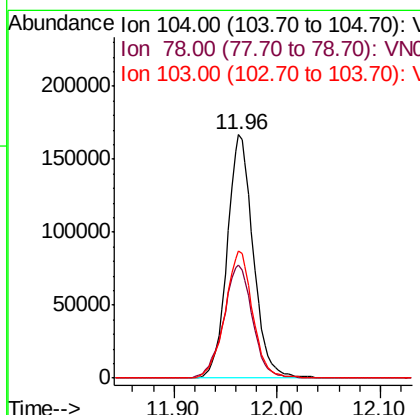
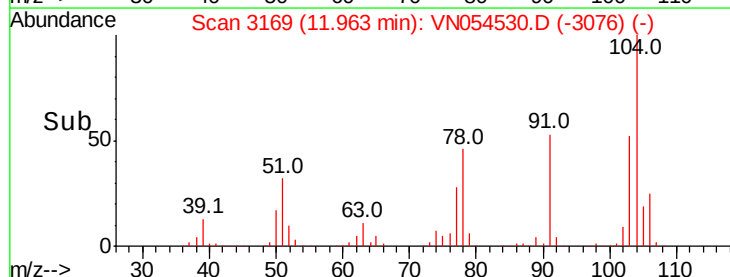
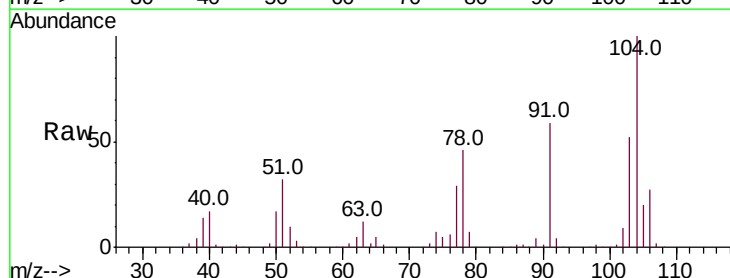
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

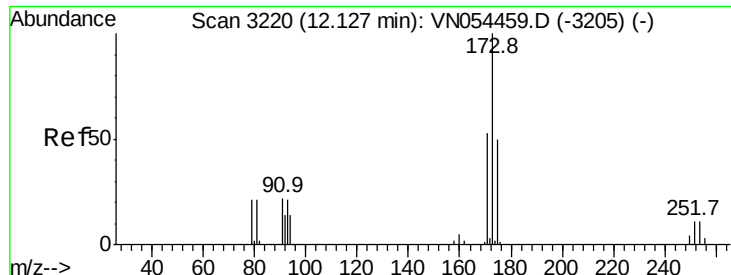
Tot Ion:106 Resp: 179001
Ion Ratio Lower Upper
106 100
91 218.9 105.7 317.1



#70
Styrene
Concen: 20.157 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion:104 Resp: 292317
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.6 44.4 66.6

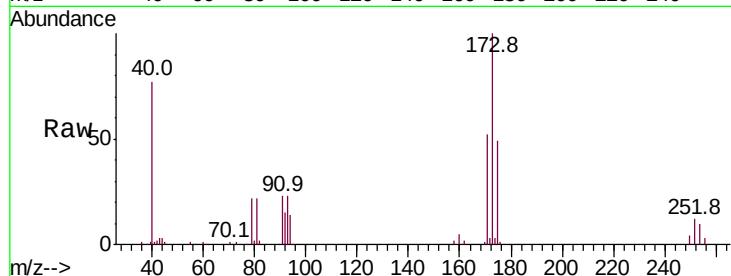




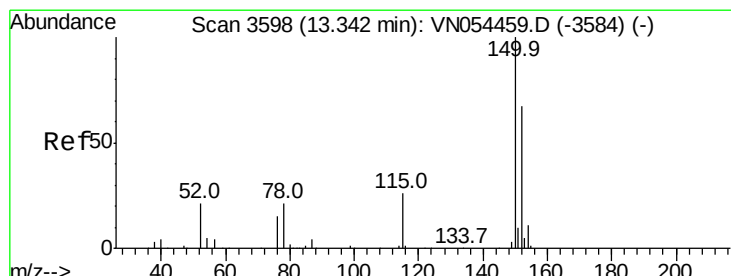
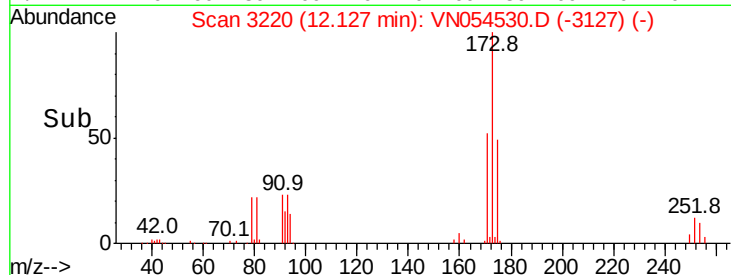
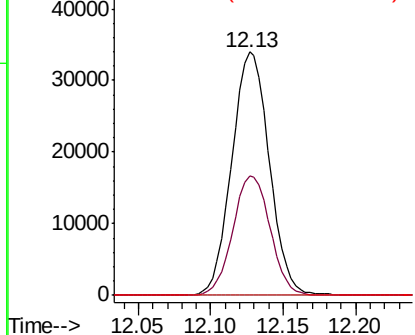
#71
Bromoform
Concen: 19.484 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS02

Tot Ion:173 Resp: 61099
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.2
254 0.0 0.1 0.1#

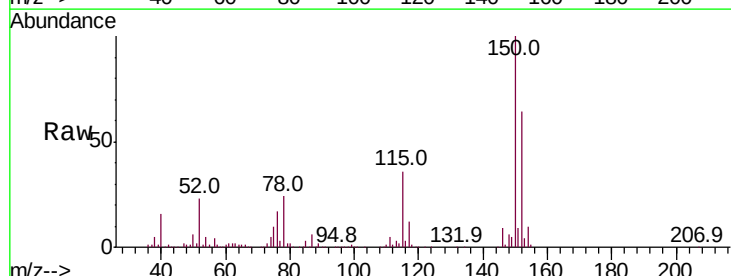


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

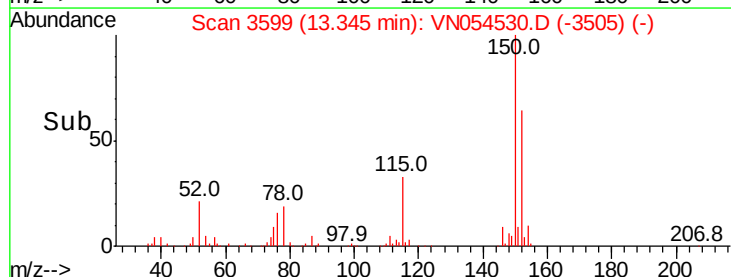
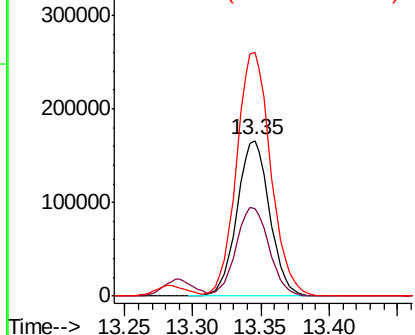


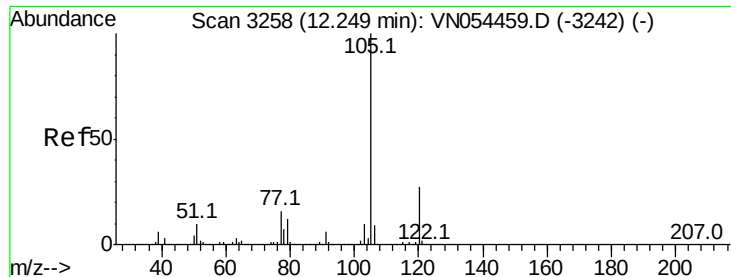
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054530.D
Acq: 22 Mar 2019 00:53

Tgt Ion:152 Resp: 275789
Ion Ratio Lower Upper
152 100
115 57.9 27.2 81.6
150 163.8 0.0 349.2



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: 20.750 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

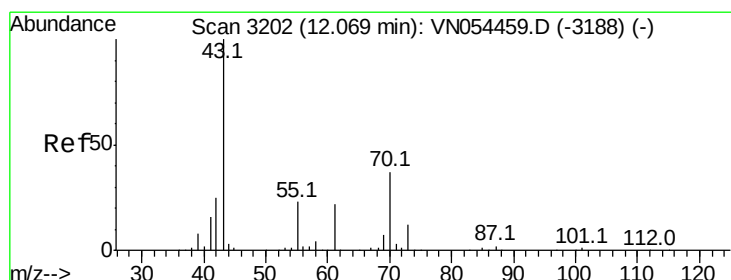
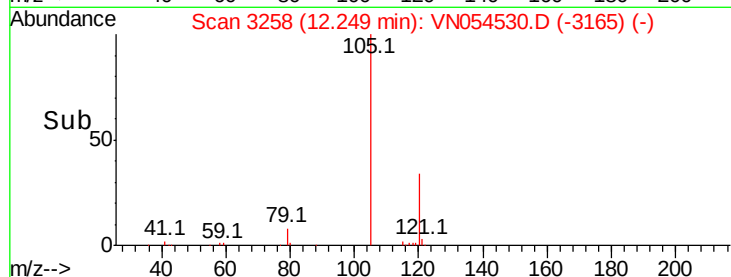
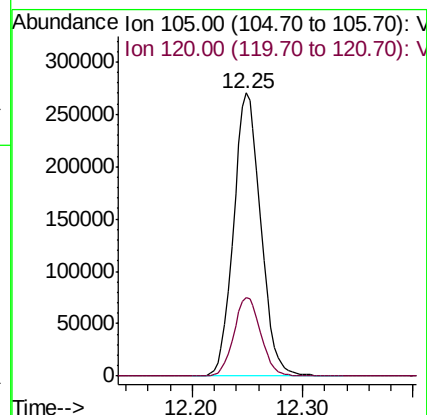
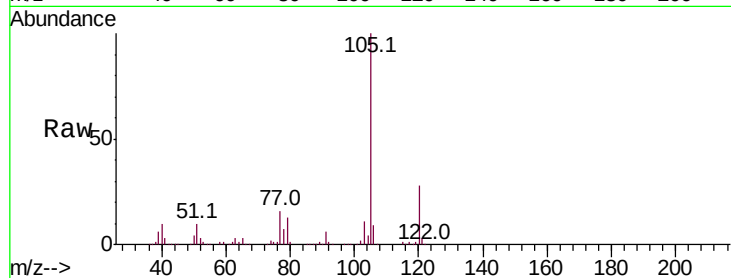
VN0321WBS02

Tot Ion:105 Resp: 461145

Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.3



#74

N-amyl acetate

Concen: 23.896 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Tgt Ion: 43 Resp: 152695

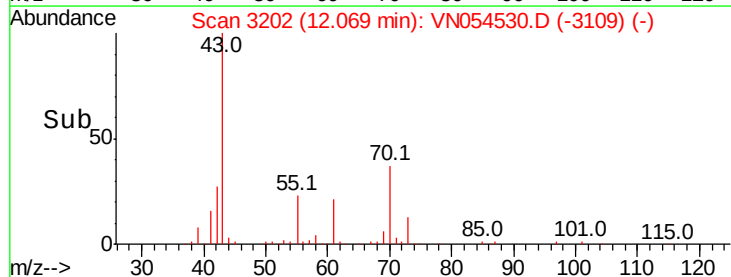
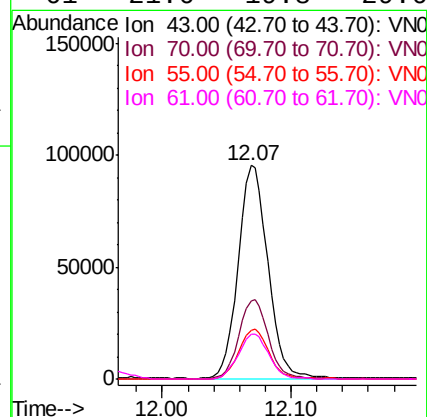
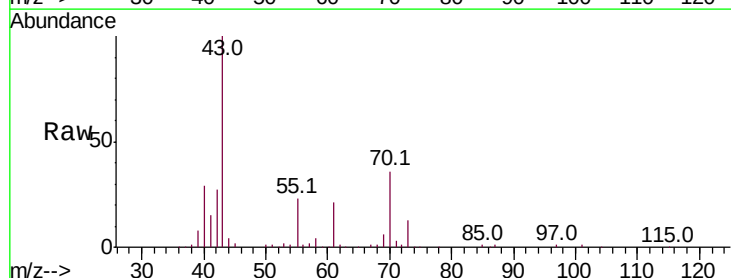
Ion Ratio Lower Upper

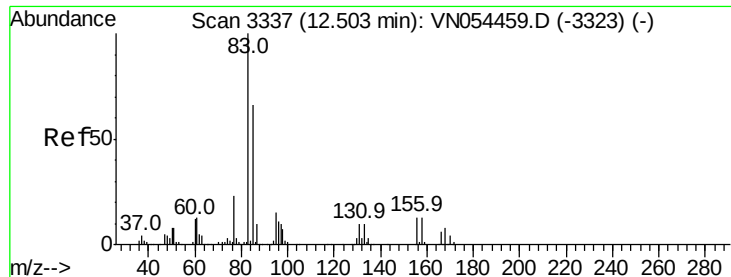
43 100

70 37.1 35.4 53.0

55 23.6 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.717 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

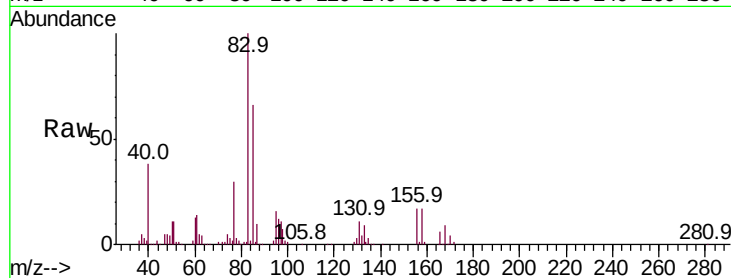
Tot Ion: 83 Resp: 120319

Ion Ratio Lower Upper

83 100

131 10.9 5.8 17.4

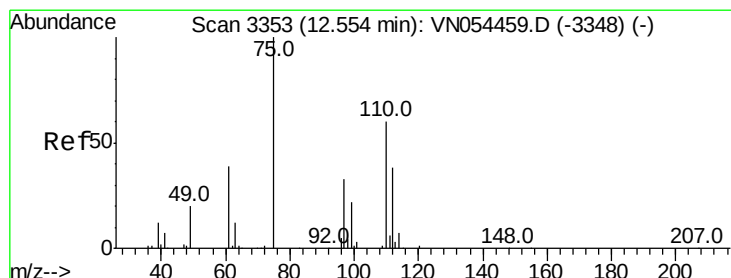
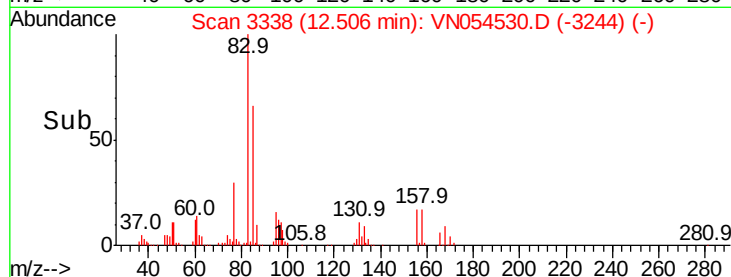
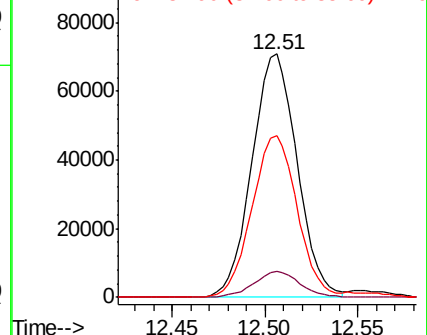
85 66.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.065 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN054530.D

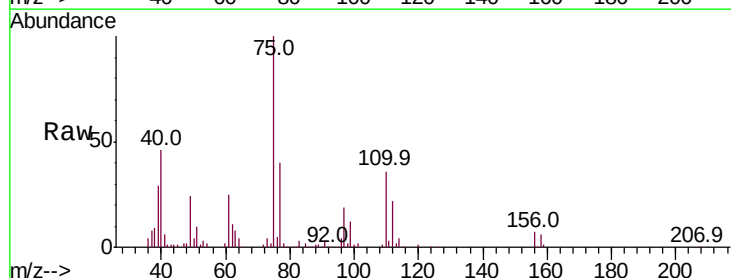
Acq: 22 Mar 2019 00:53

Tgt Ion: 75 Resp: 140326

Ion Ratio Lower Upper

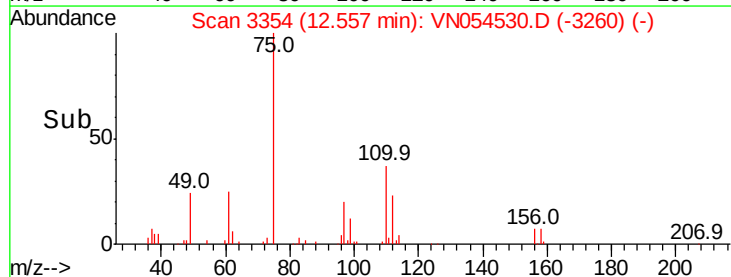
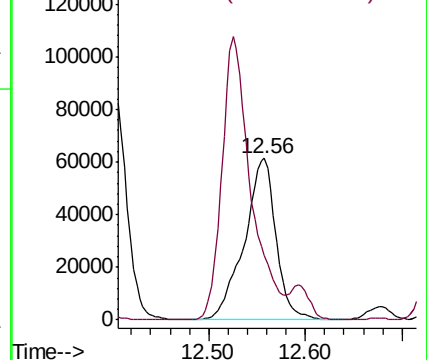
75 100

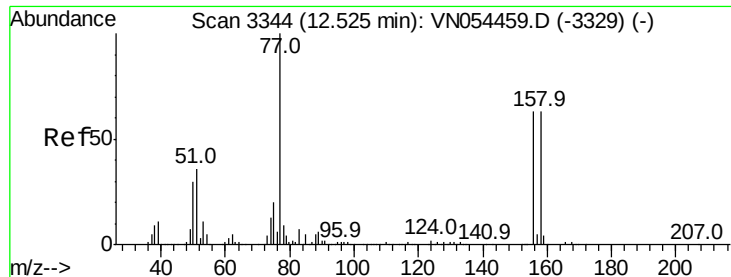
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.921 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

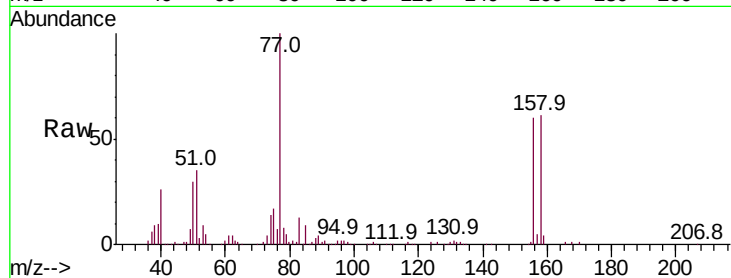
Tot Ion:156 Resp: 115311

Ion Ratio Lower Upper

156 100

77 194.9 81.5 244.4

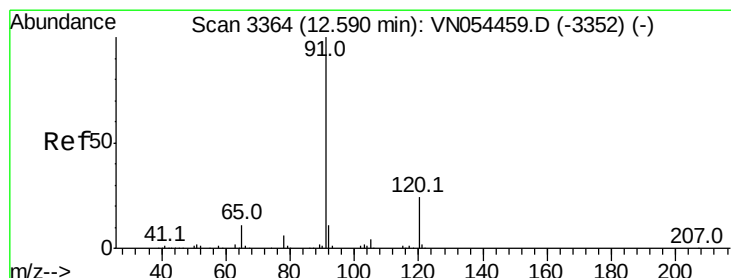
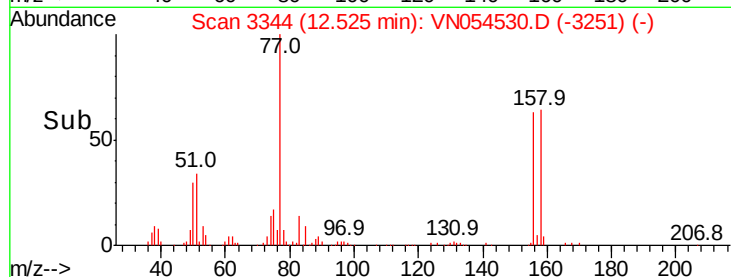
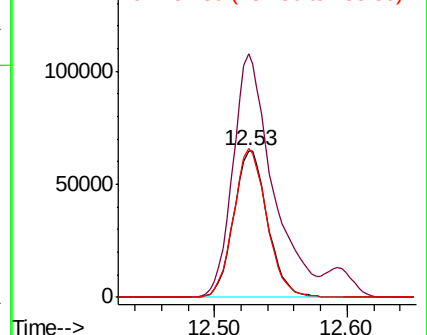
158 99.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.720 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054530.D

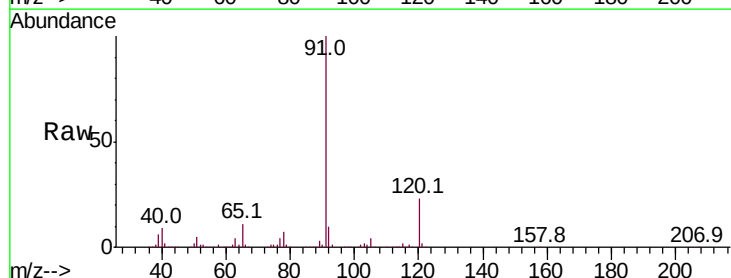
Acq: 22 Mar 2019 00:53

Tgt Ion: 91 Resp: 499310

Ion Ratio Lower Upper

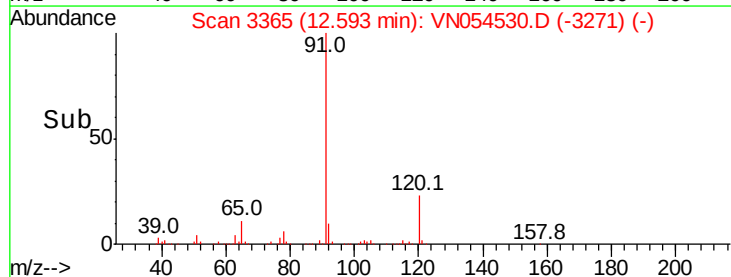
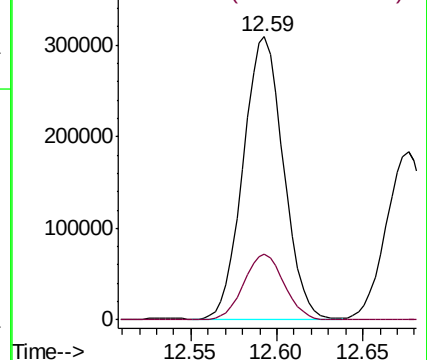
91 100

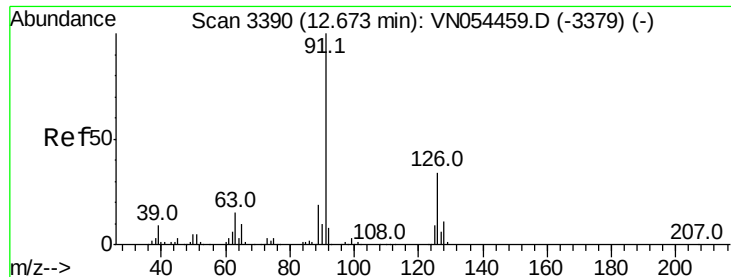
120 23.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.882 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

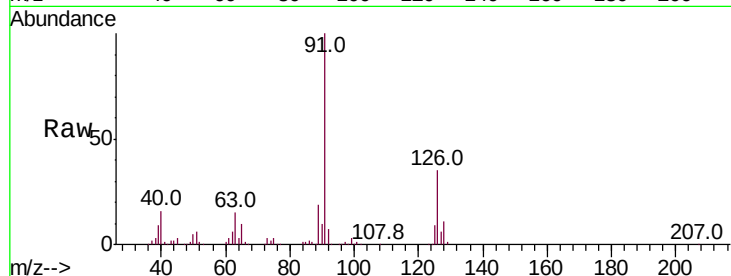
VN0321WBS02

Tot Ion: 91 Resp: 313802

Ion Ratio Lower Upper

91 100

126 34.8 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.68

200000

150000

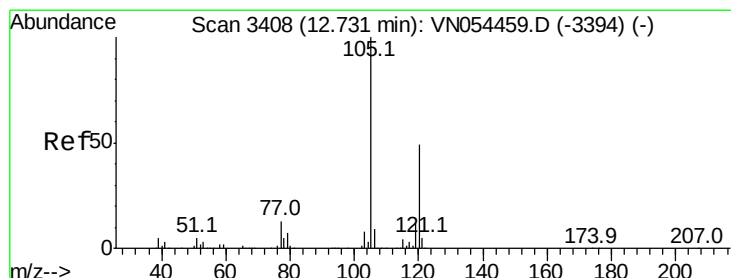
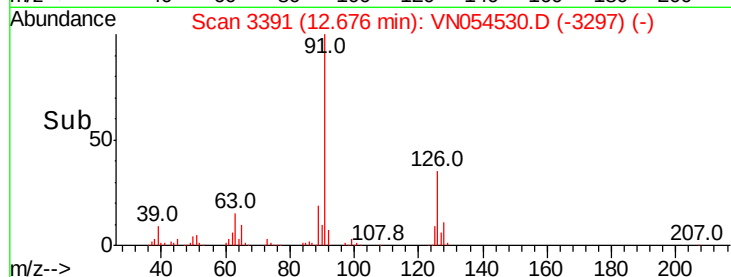
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.128 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054530.D

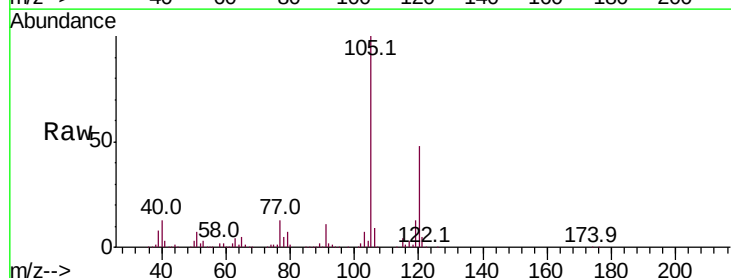
Acq: 22 Mar 2019 00:53

Tgt Ion: 105 Resp: 384829

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

250000

200000

150000

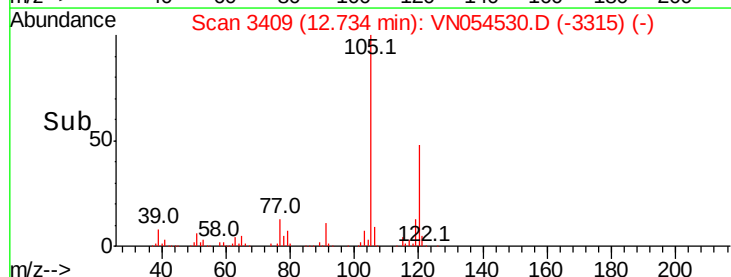
100000

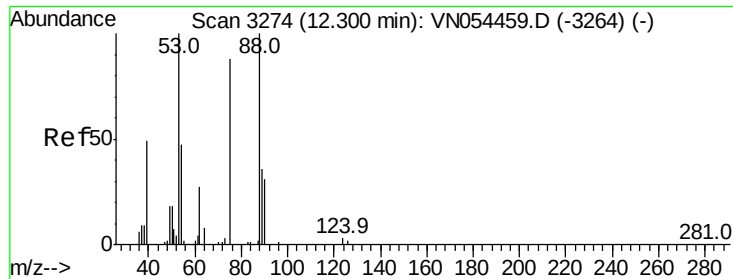
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.333 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

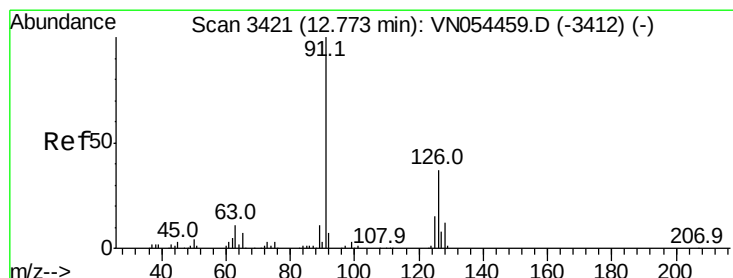
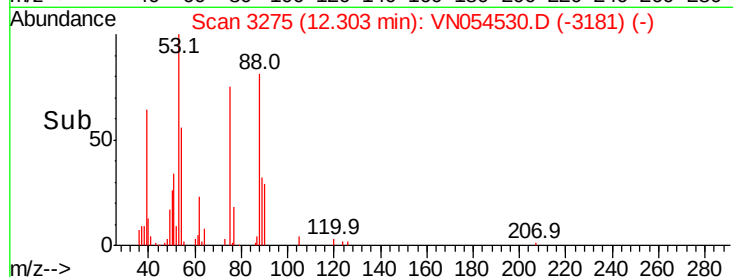
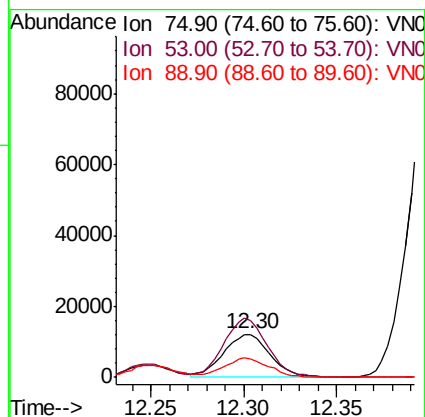
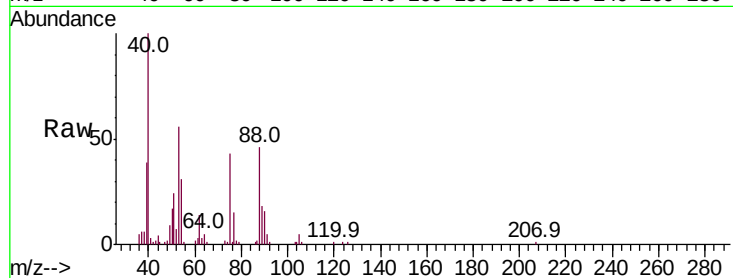
Tot Ion: 75 Resp: 20551

Ion Ratio Lower Upper

75 100

53 132.7 76.2 114.2#

89 44.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.826 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054530.D

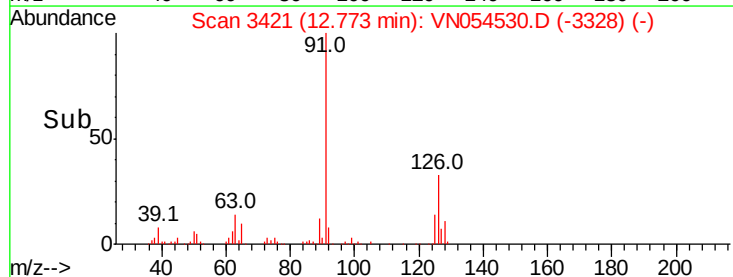
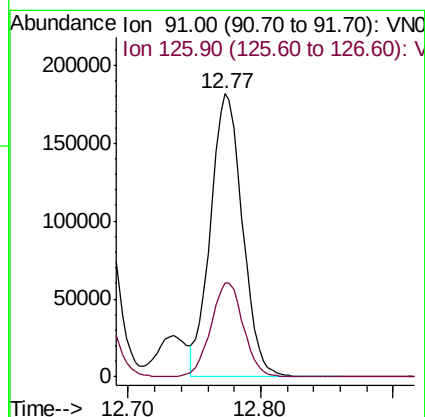
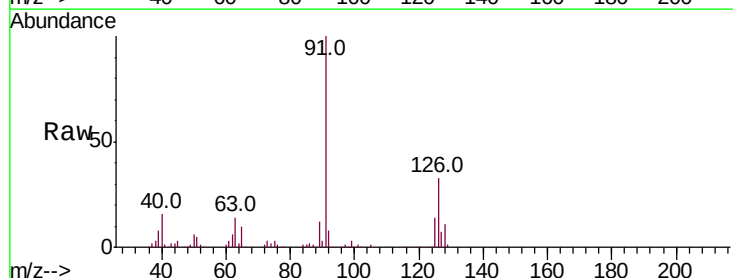
Acq: 22 Mar 2019 00:53

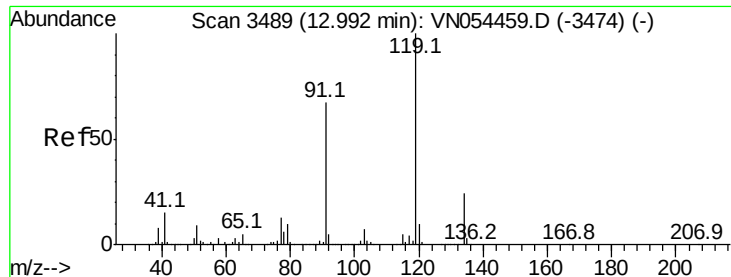
Tgt Ion: 91 Resp: 303363

Ion Ratio Lower Upper

91 100

126 33.8 18.1 54.1

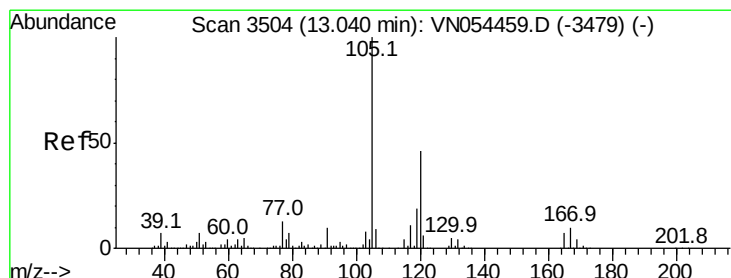
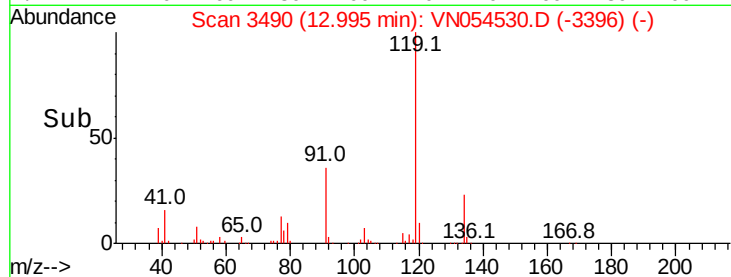
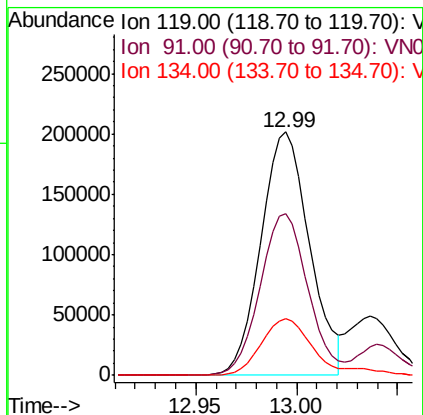
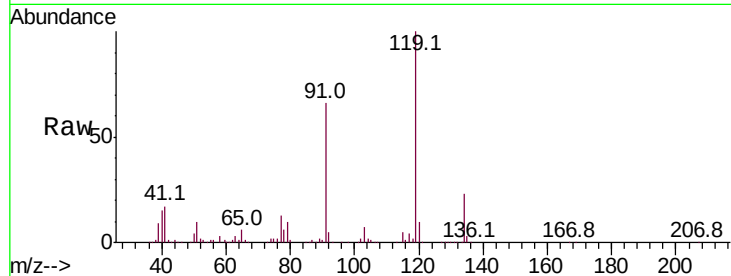




#83
 tert-Butylbenzene
 Concen: 21.375 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

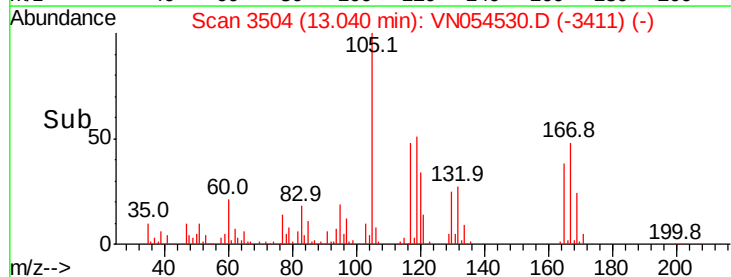
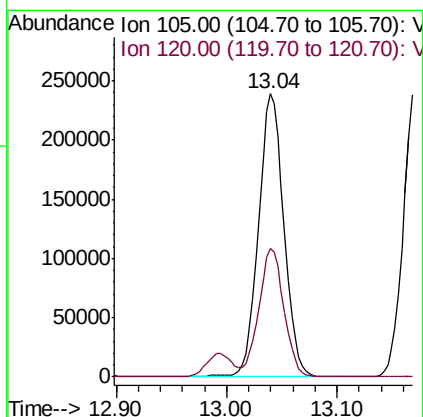
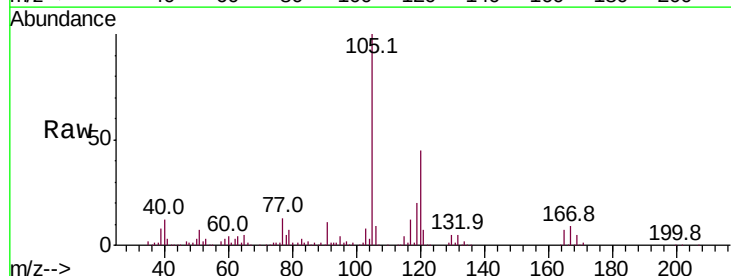
Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS02

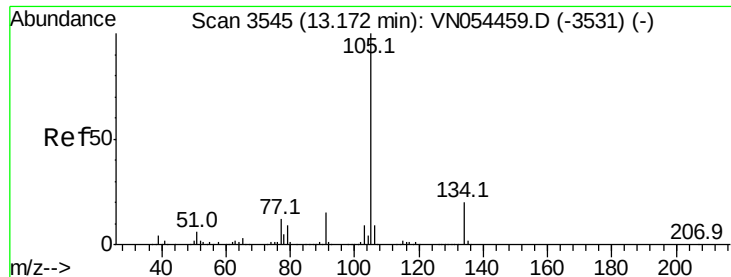
Tot Ion:119 Resp: 338893
 Ion Ratio Lower Upper
 119 100
 91 65.4 30.9 92.8
 134 25.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.276 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion:105 Resp: 380250
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.987 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

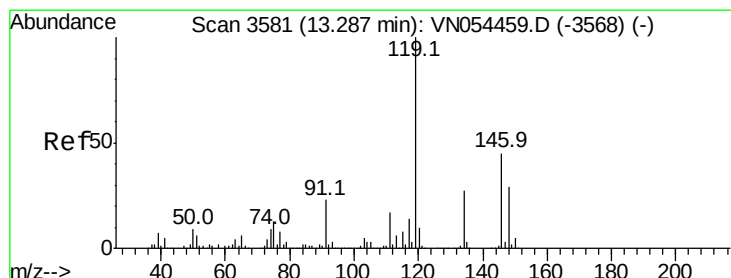
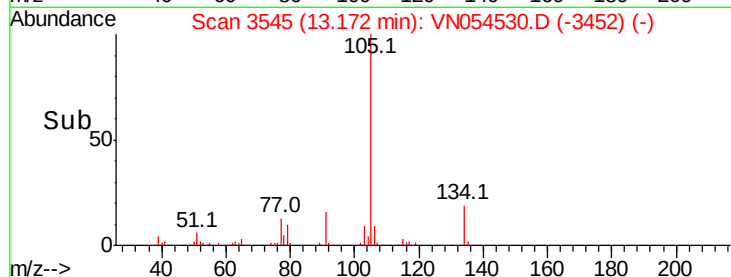
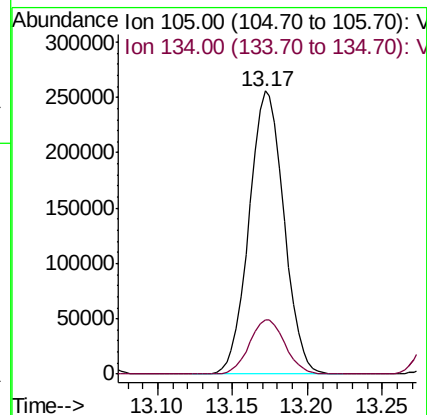
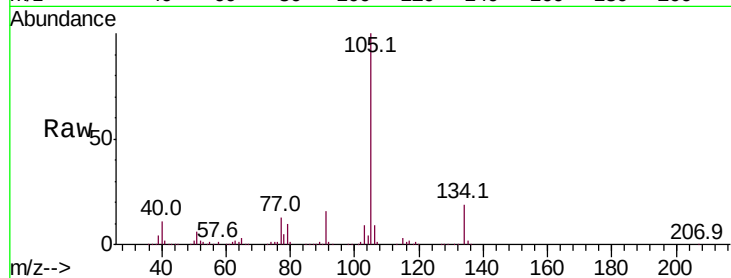
VN0321WBS02

Tot Ion:105 Resp: 414785

Ion Ratio Lower Upper

105 100

134 19.5 10.7 32.1



#86

p-Isopropyltoluene

Concen: 20.839 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

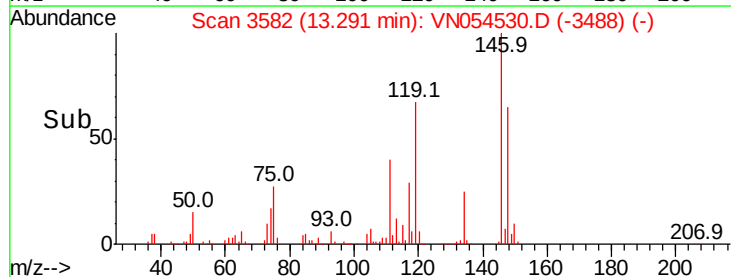
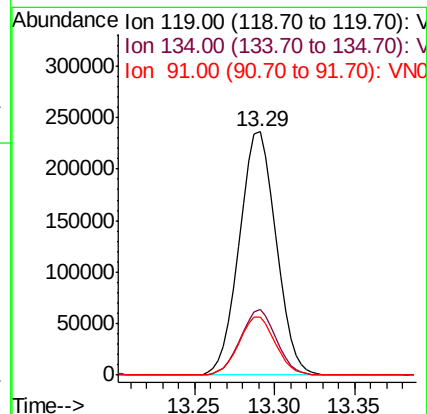
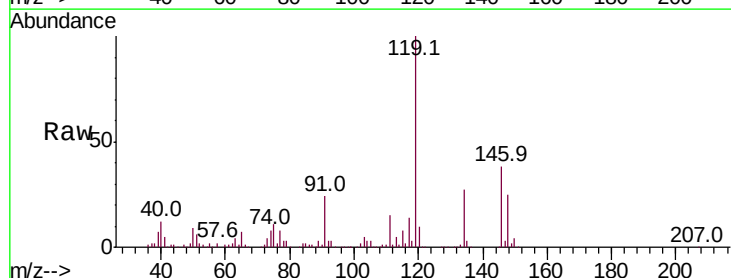
Tgt Ion:119 Resp: 368477

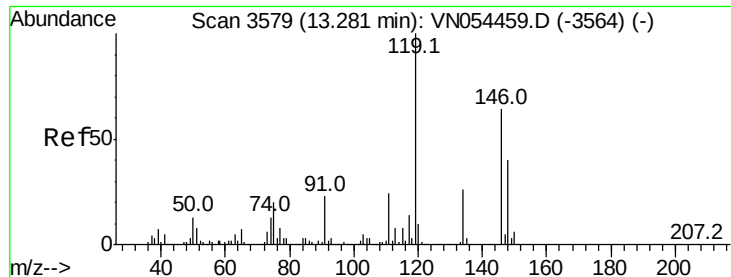
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 23.7 11.1 33.3

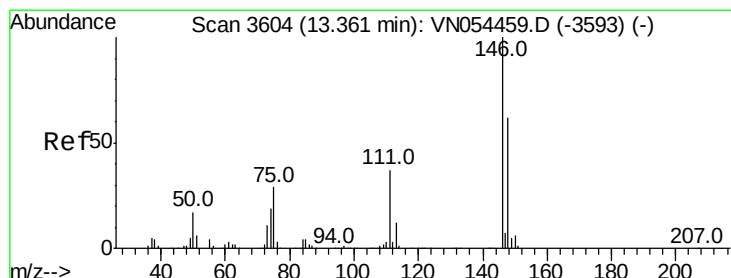
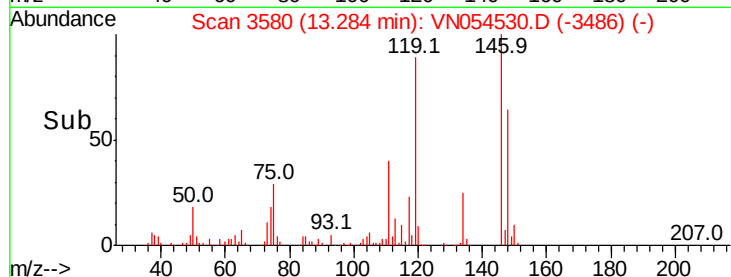
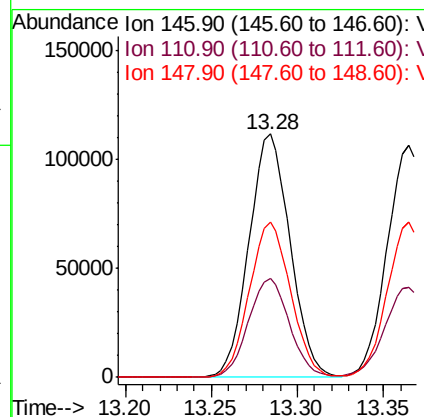
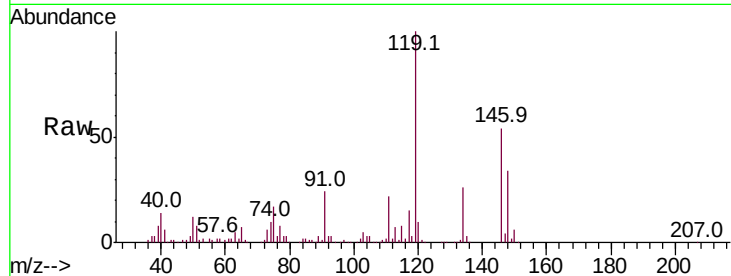




#87
 1,3-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

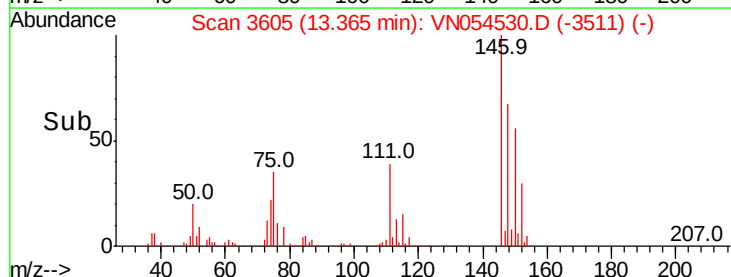
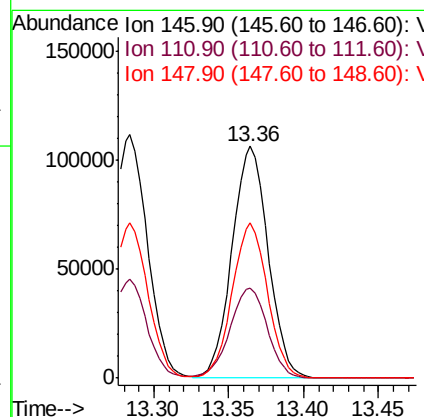
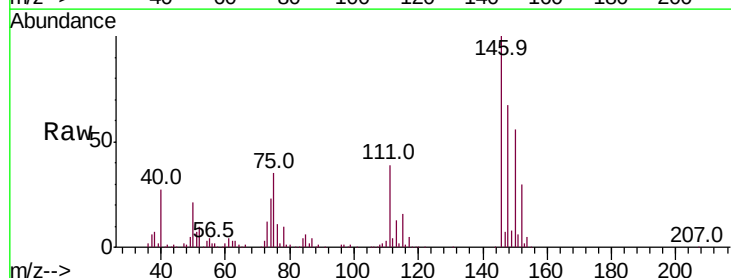
Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS02

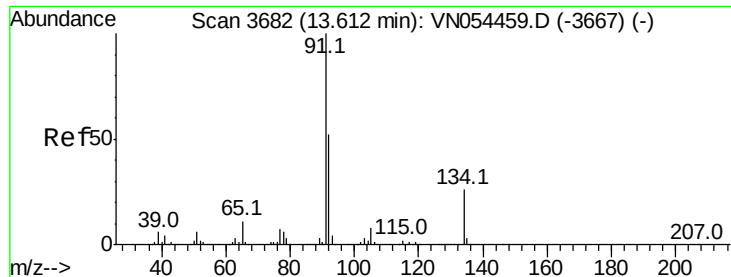
Tot Ion:146 Resp: 185701
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.8 56.3
 148 63.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.113 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion:146 Resp: 178746
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.1 54.1
 148 65.7 32.0 96.0





#89

n-Butylbenzene

Concen: 20.067 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

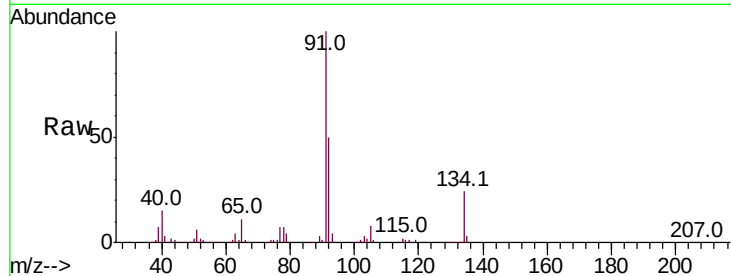
Tot Ion: 91 Resp: 277445

Ion Ratio Lower Upper

91 100

92 50.8 26.2 78.6

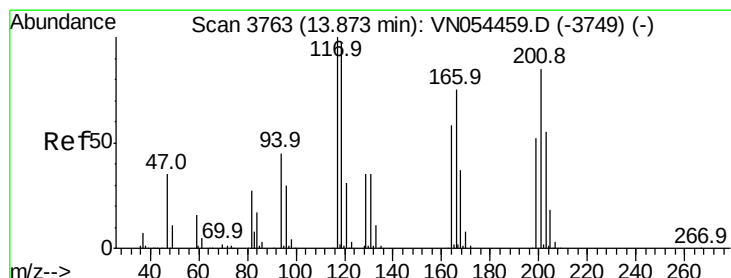
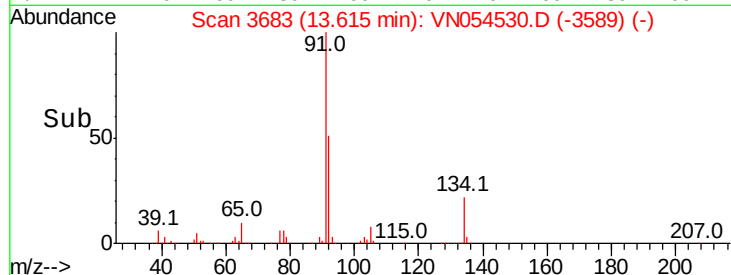
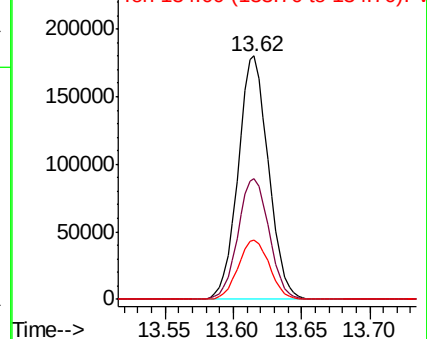
134 25.1 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.757 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054530.D

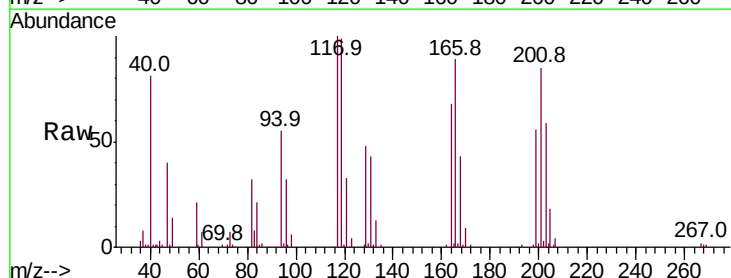
Acq: 22 Mar 2019 00:53

Tgt Ion: 117 Resp: 56970

Ion Ratio Lower Upper

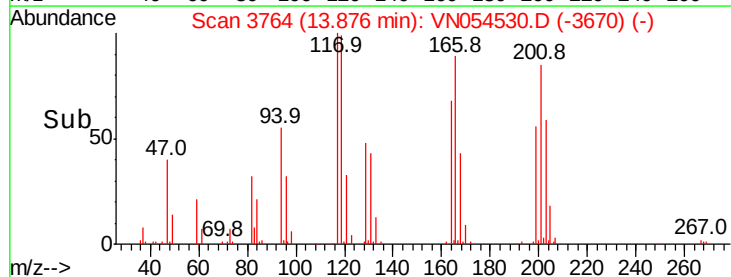
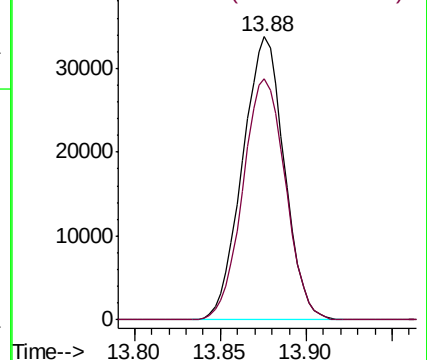
117 100

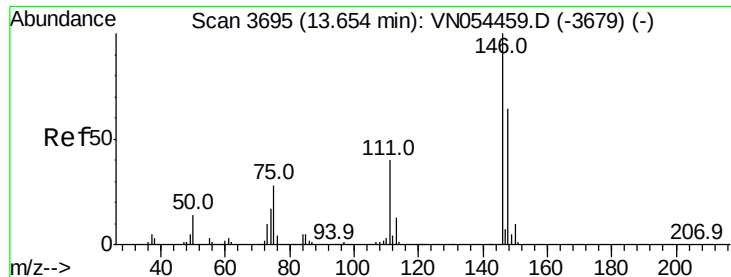
201 86.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 21.486 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

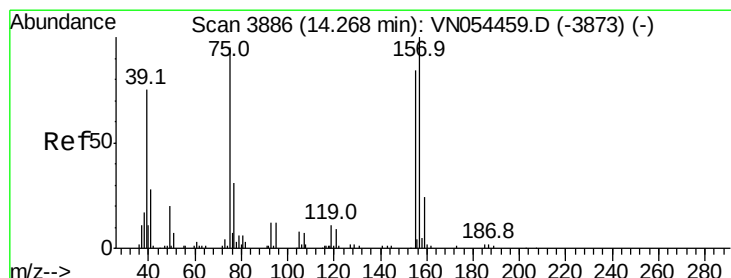
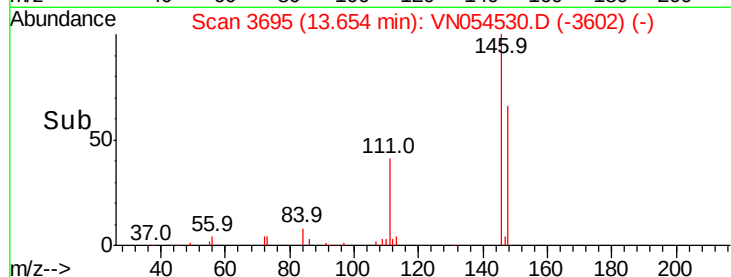
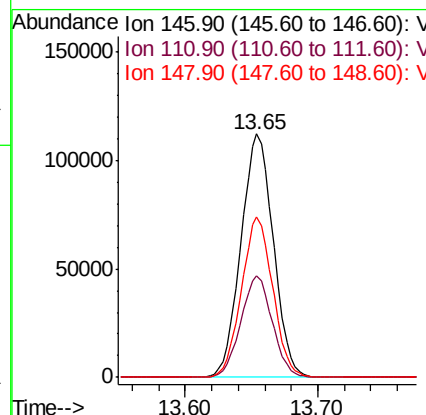
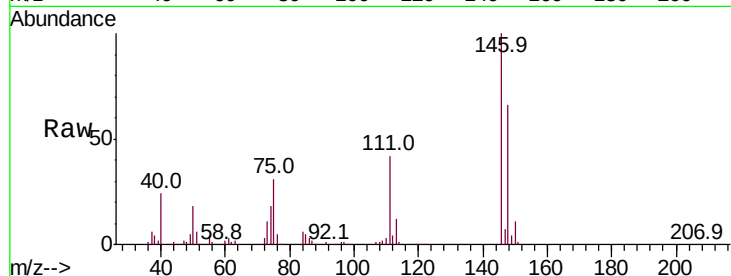
Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS02

Tot Ion:146 Resp: 190089

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	63.8	32.4	97.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.635 ug/l

RT: 14.27 min Scan# 3887

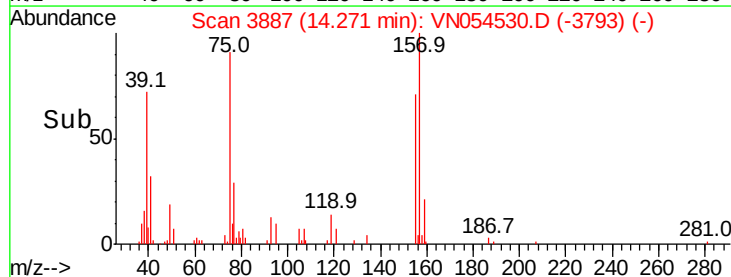
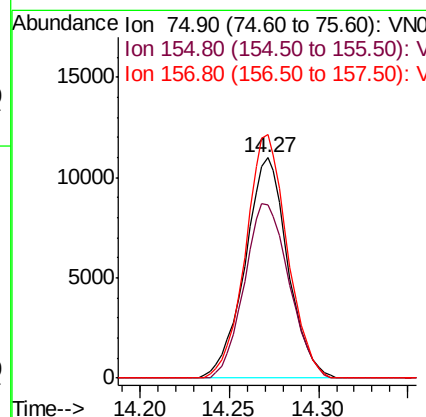
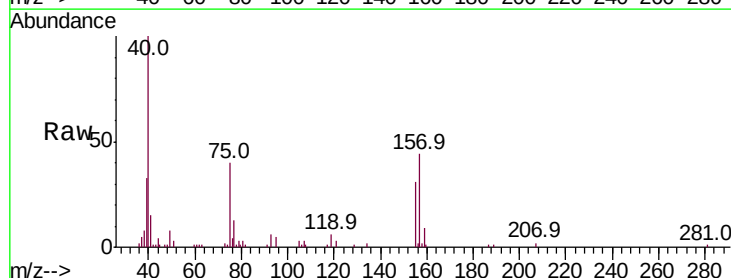
Delta R.T. 0.00 min

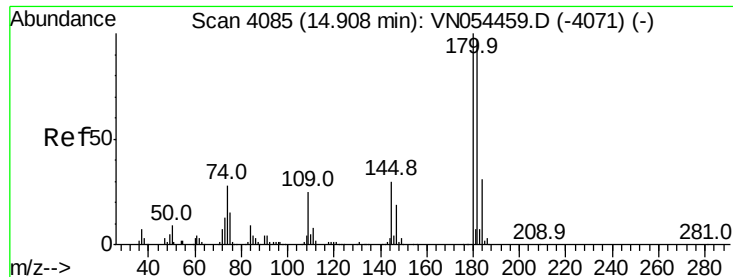
Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Tgt Ion: 75 Resp: 18331

Ion	Ratio	Lower	Upper
75	100		
155	82.5	50.1	150.3
157	107.7	63.1	189.3

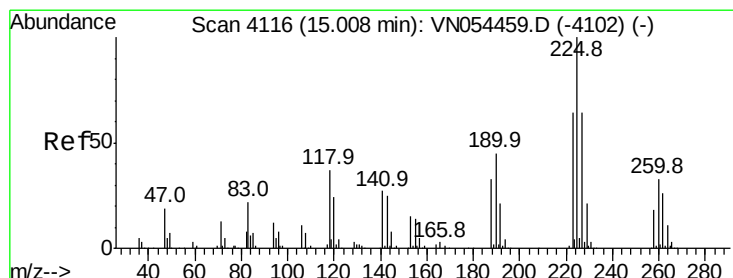
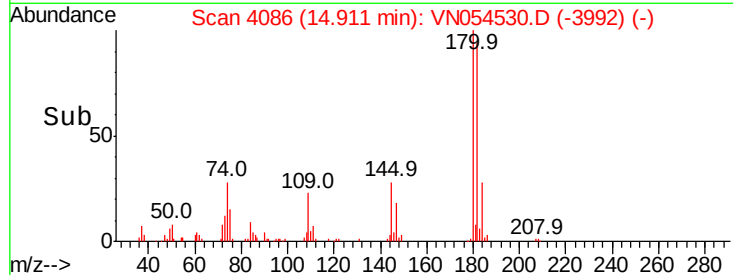
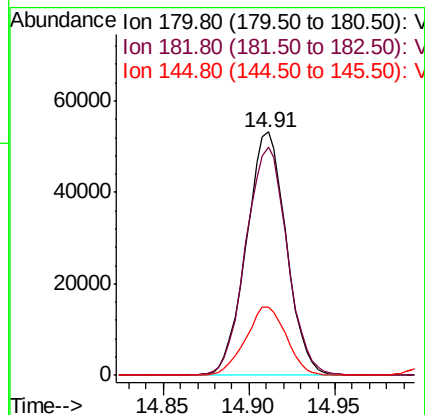
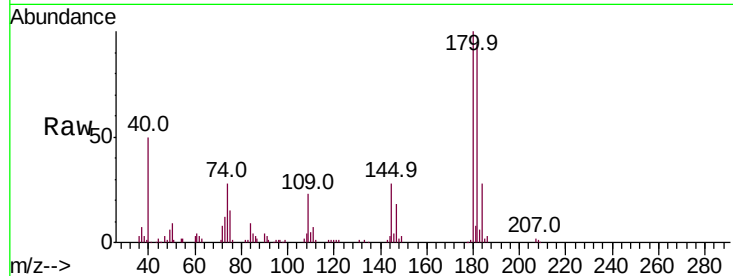




#93
 1,2,4-Trichlorobenzene
 Concen: 19.356 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

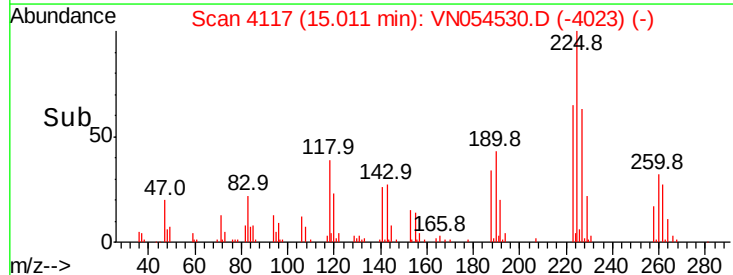
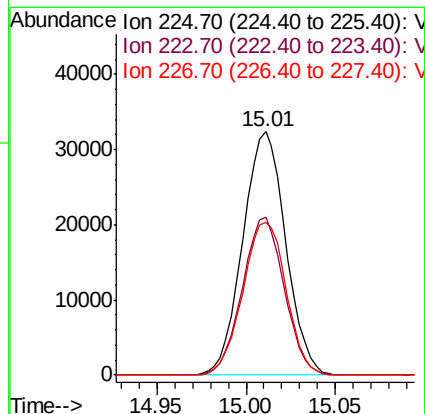
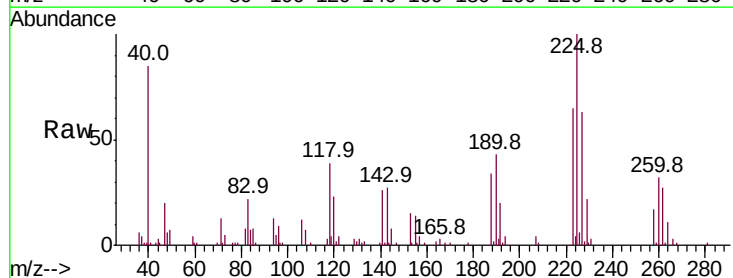
Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS02

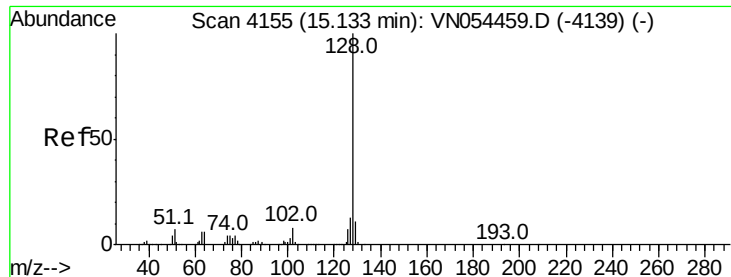
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.0	144.2
145	28.8	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 20.435 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054530.D
 Acq: 22 Mar 2019 00:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	63.4	31.9	95.9





#95

Naphthalene

Concen: 20.796 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS02

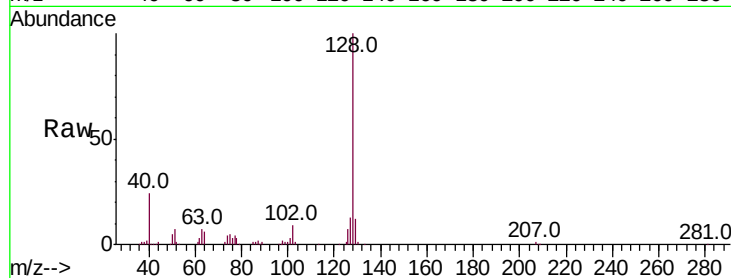
Tot Ion:128 Resp: 204579

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 10.9 8.7 13.1



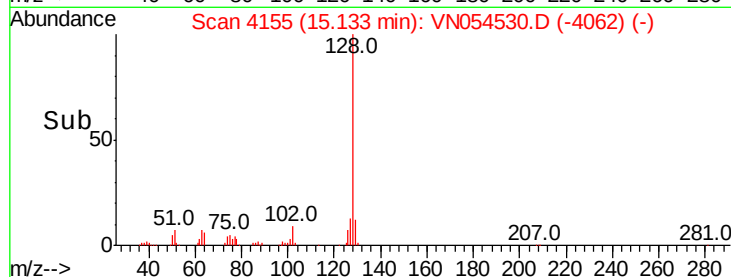
Abundance

Ion 128.00 (127.70 to 128.70): V

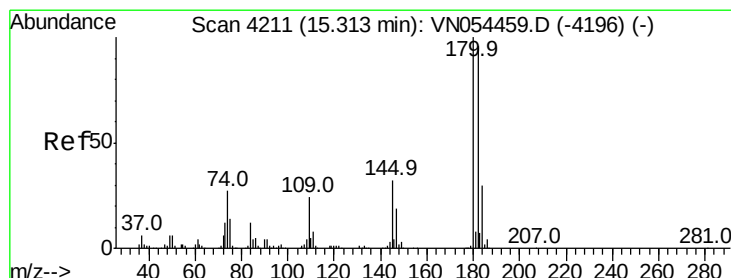
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 20.857 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054530.D

Acq: 22 Mar 2019 00:53

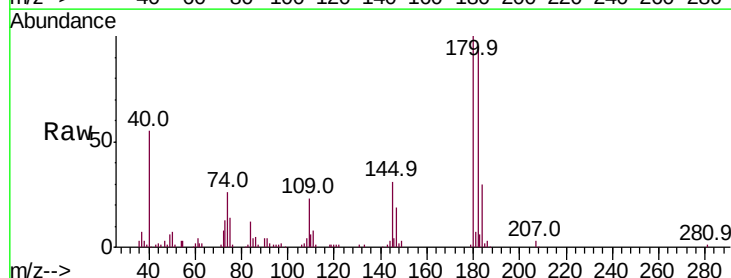
Tgt Ion:180 Resp: 91552

Ion Ratio Lower Upper

180 100

182 93.8 47.5 142.6

145 30.9 14.8 44.3

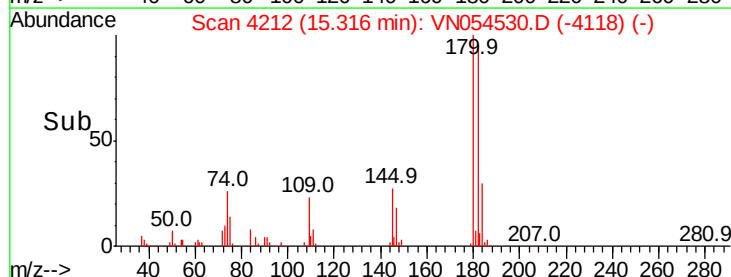


Abundance

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



Time--> 15.25 15.30 15.35