

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054618.D
 Acq On : 23 Mar 2019 22:23
 Operator : JC/SP
 Sample : VN0323MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

Quant Time: Mar 25 03:36:46 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	404468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	679886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	286270	56.90	ug/l	0.00
Spiked Amount						
			Recovery	=	113.80%	
35) Dibromofluoromethane	7.59	113	218664	49.92	ug/l	0.00
Spiked Amount						
			Recovery	=	99.84%	
50) Toluene-d8	10.09	98	815440	49.52	ug/l	0.00
Spiked Amount						
			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	270733	48.32	ug/l	0.00
Spiked Amount						
			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	80696	20.870	ug/l	97
3) Chloromethane	2.06	50	115231	21.903	ug/l	99
4) Vinyl Chloride	2.19	62	108177	20.481	ug/l	98
5) Bromomethane	2.57	94	58698	17.186	ug/l	98
6) Chloroethane	2.71	64	60698	19.159	ug/l	96
7) Trichlorofluoromethane	3.02	101	129700	20.220	ug/l	99
8) Diethyl Ether	3.41	74	45335	18.377	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67374	17.872	ug/l	91
10) Methyl Iodide	3.94	142	97388	17.562	ug/l #	89
11) Tert butyl alcohol	4.82	59	35211	115.603	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	67843	17.390	ug/l #	71
13) Acrolein	3.61	56	7559	17.984	ug/l	83
14) Allyl chloride	4.32	41	155106	21.113	ug/l #	94
15) Acrylonitrile	5.00	53	170857	112.643	ug/l	98
16) Acetone	3.82	43	127977	84.610	ug/l #	81
17) Carbon Disulfide	4.04	76	197661	18.909	ug/l	100
18) Methyl Acetate	4.33	43	79551	23.596	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	252530	22.180	ug/l	95
20) Methylene Chloride	4.55	84	96736	21.696	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	84659	21.252	ug/l	85
22) Diisopropyl ether	5.96	45	336498	23.222	ug/l #	95
23) Vinyl Acetate	5.90	43	1192798	116.551	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	178458	22.873	ug/l	98
25) 2-Butanone	6.85	43	215267	111.101	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	92350	16.605	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	101890	21.444	ug/l	91
28) Bromochloromethane	7.19	49	91093	23.720	ug/l #	71
29) Tetrahydrofuran	7.22	42	150165	119.429	ug/l #	85
30) Chloroform	7.37	83	171054	22.465	ug/l	98
31) Cyclohexane	7.65	56	161863	20.557	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	140603	22.383	ug/l	96
36) 1,1-Dichloropropene	7.79	75	123211	19.382	ug/l	96
37) Ethyl Acetate	6.94	43	99731	22.058	ug/l	95
38) Carbon Tetrachloride	7.77	117	118702	19.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	127496	17.533	ug/l	88
40) Benzene	8.04	78	374234	20.587	ug/l	99
41) Methacrylonitrile	7.18	41	45533	16.513	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	141007	21.300	ug/l	97
43) Isopropyl Acetate	8.17	43	167288	21.908	ug/l #	93
44) Trichloroethene	8.83	130	98213	19.433	ug/l	92
45) 1,2-Dichloropropane	9.12	63	107050	21.931	ug/l	98
46) Dibromomethane	9.21	93	60300	20.707	ug/l	90
47) Bromodichloromethane	9.40	83	129021	21.349	ug/l	99
48) Methyl methacrylate	9.20	41	86960	20.982	ug/l	87
49) 1,4-Dioxane	9.20	88	20061	432.978	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	473586	111.911	ug/l	93
52) Toluene	10.16	92	219886	19.667	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	111233	18.901	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	137584	19.855	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	85579	21.294	ug/l	98
56) Ethyl methacrylate	10.43	69	114026	21.138	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	148004	21.185	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	208090	93.682	ug/l	89
59) 2-Hexanone	10.75	43	293903	106.326	ug/l	91
60) Dibromochloromethane	10.90	129	88987	20.808	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81431	20.495	ug/l	100
64) Tetrachloroethene	10.63	164	91750	18.782	ug/l	95
65) Chlorobenzene	11.43	112	237164	19.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88100	20.492	ug/l	96
67) Ethyl Benzene	11.51	91	419508	19.827	ug/l	96
68) m/p-Xylenes	11.62	106	308208	38.457	ug/l	96
69) o-Xylene	11.95	106	152746	19.516	ug/l	96
70) Styrene	11.96	104	251076	19.754	ug/l	97
71) Bromoform	12.13	173	52094	19.015	ug/l #	99
73) Isopropylbenzene	12.25	105	397732	20.017	ug/l	99
74) N-amyl acetate	12.07	43	130833	22.901	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	104079	22.947	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120394	30.770	ug/l #	100
77) Bromobenzene	12.53	156	99237	20.138	ug/l	86
78) n-propylbenzene	12.59	91	431422	20.024	ug/l	97
79) 2-Chlorotoluene	12.67	91	268595	19.991	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	327023	20.082	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	18284	18.259	ug/l #	71
82) 4-Chlorotoluene	12.77	91	261860	20.107	ug/l	95
83) tert-Butylbenzene	12.99	119	286481	20.211	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	322805	20.202	ug/l	97
85) sec-Butylbenzene	13.17	105	349803	19.796	ug/l	97
86) p-Isopropyltoluene	13.29	119	302397	19.129	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	161584	19.787	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	155777	19.606	ug/l	97
89) n-Butylbenzene	13.61	91	228726	18.503	ug/l	97
90) Hexachloroethane	13.87	117	49975	20.366	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	163272	20.642	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15089	22.681	ug/l	82

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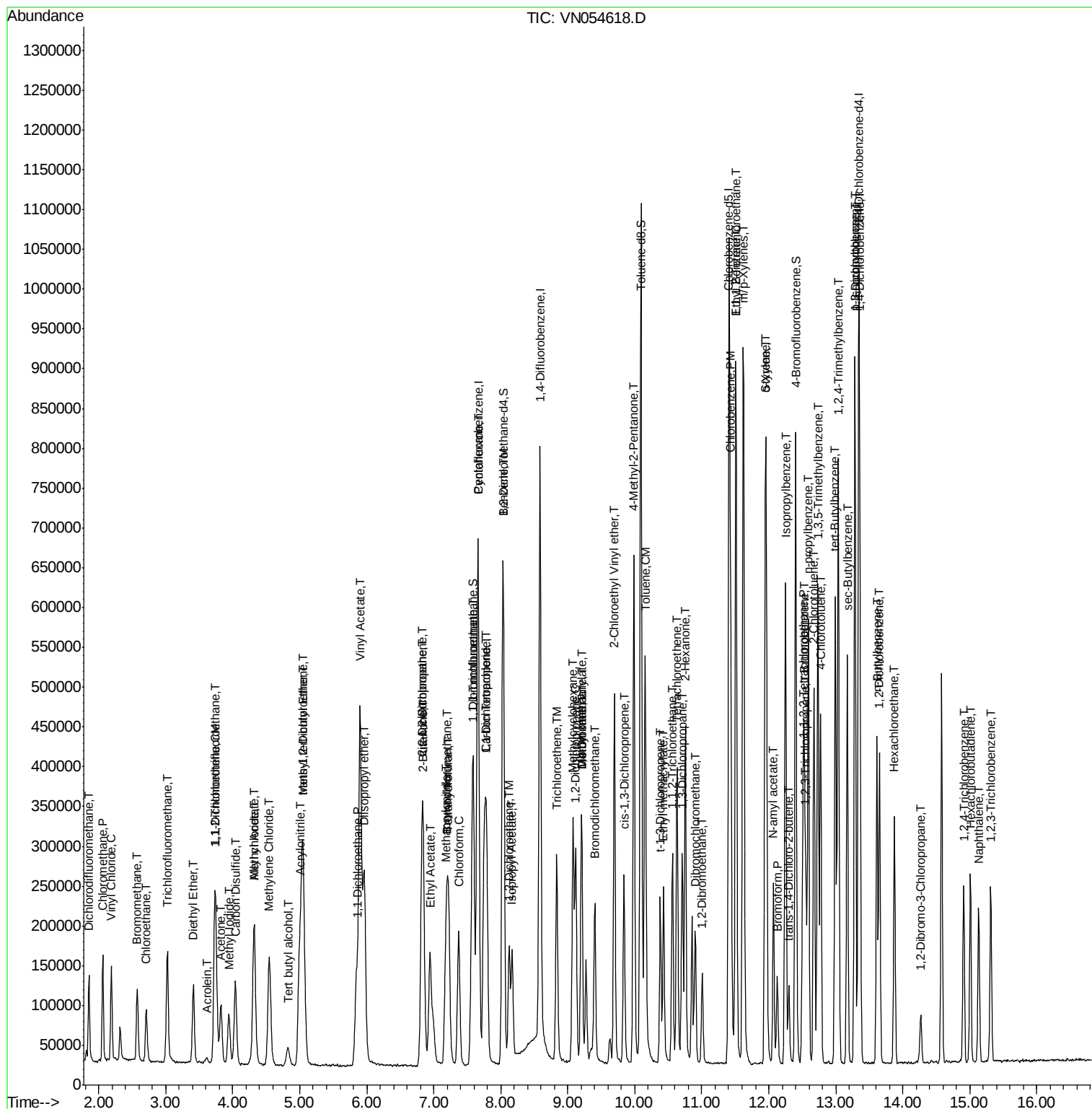
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71881	18.230	ug/l	98
94) Hexachlorobutadiene	15.01	225	45610	19.054	ug/l	99
95) Naphthalene	15.13	128	165889	18.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74776	19.054	ug/l	98

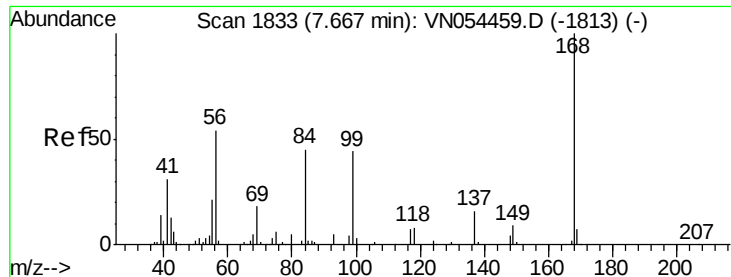
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

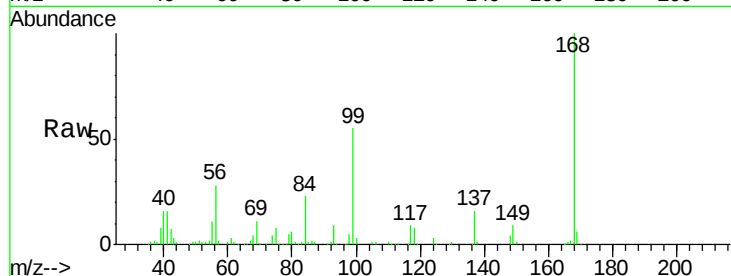
VN0323MBS01

Tot Ion:168 Resp: 404468

Ion Ratio Lower Upper

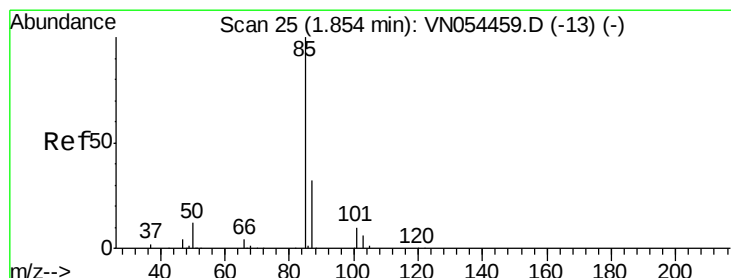
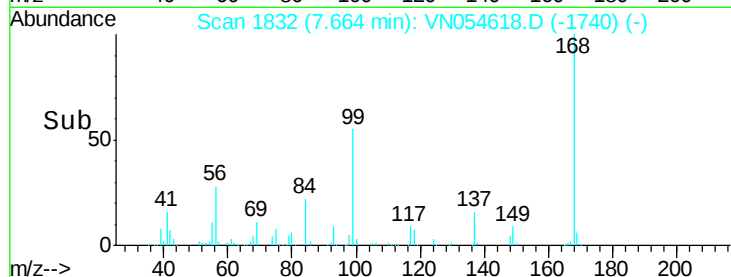
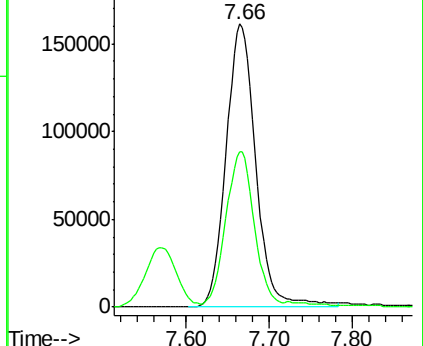
168 100

99 54.3 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: 20.870 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054618.D

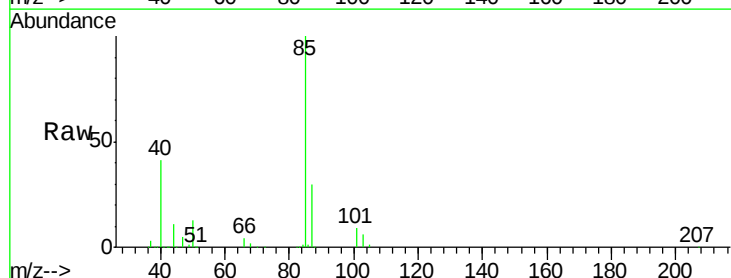
Acq: 23 Mar 2019 22:23

Tgt Ion: 85 Resp: 80696

Ion Ratio Lower Upper

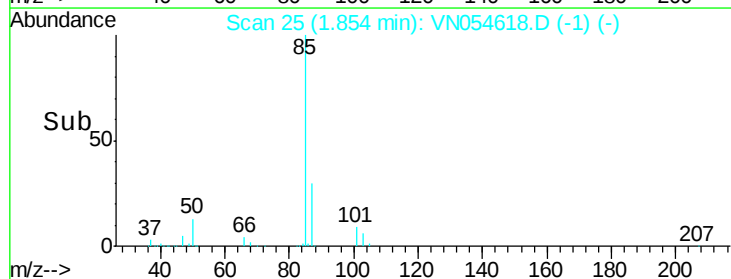
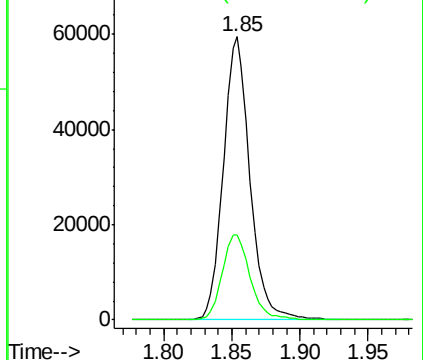
85 100

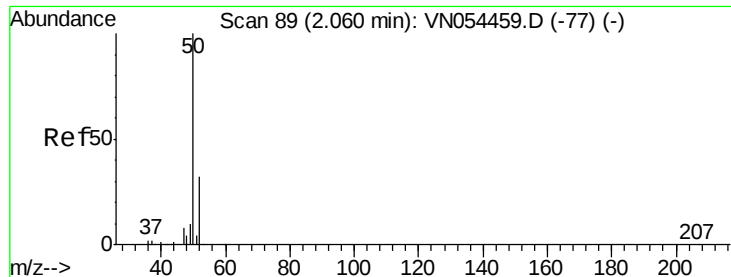
87 30.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 21.903 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

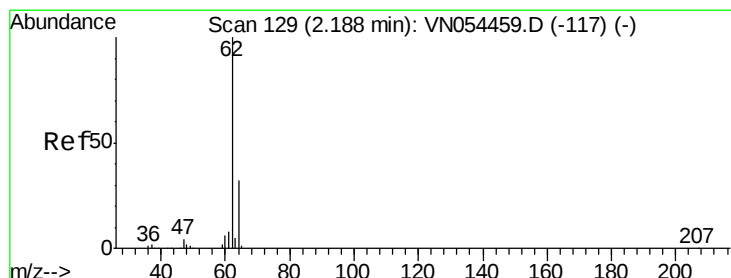
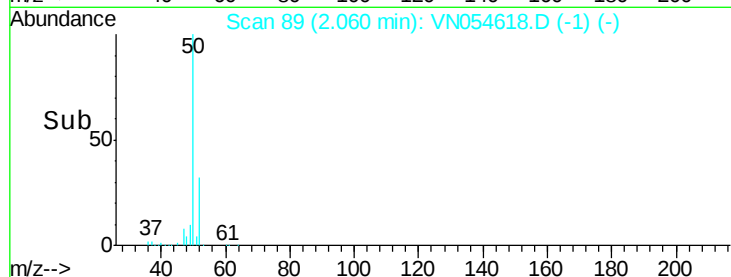
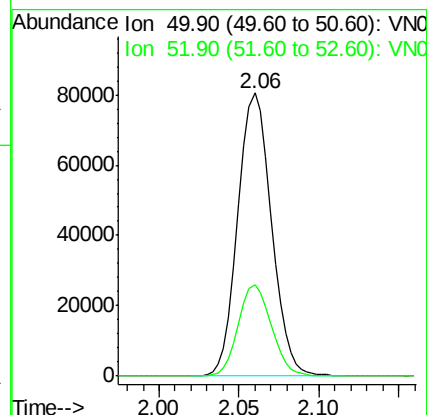
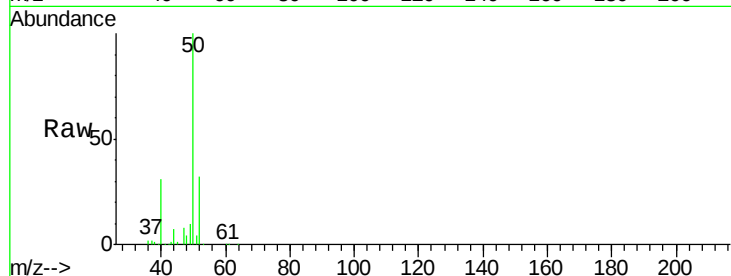
VN0323MBS01

Tot Ion: 50 Resp: 115231

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 20.481 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054618.D

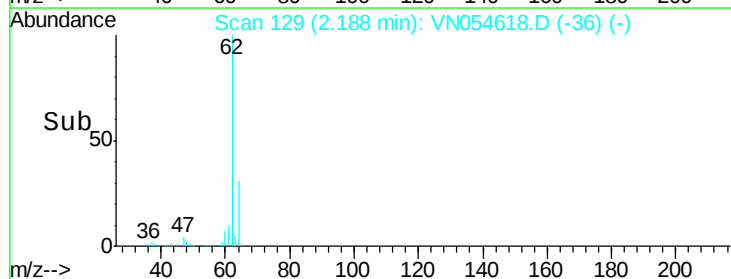
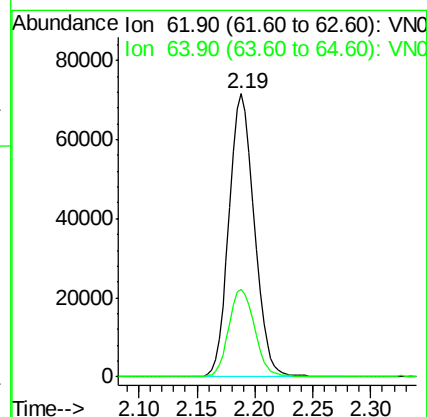
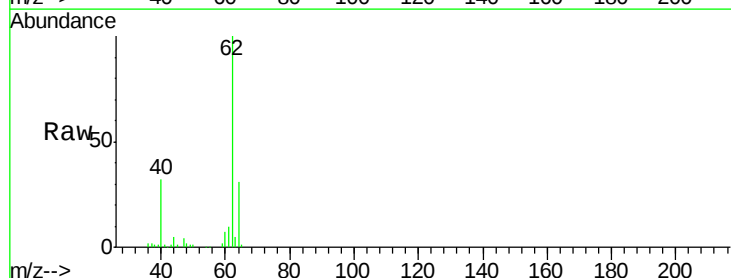
Acq: 23 Mar 2019 22:23

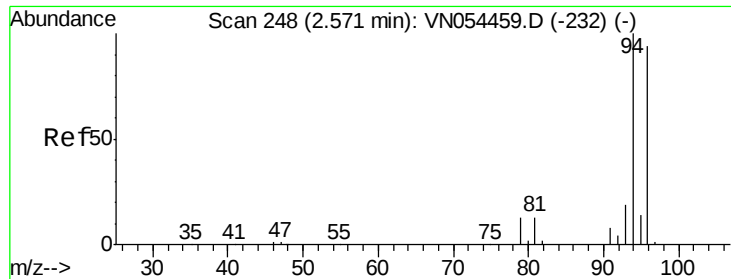
Tgt Ion: 62 Resp: 108177

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 17.186 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

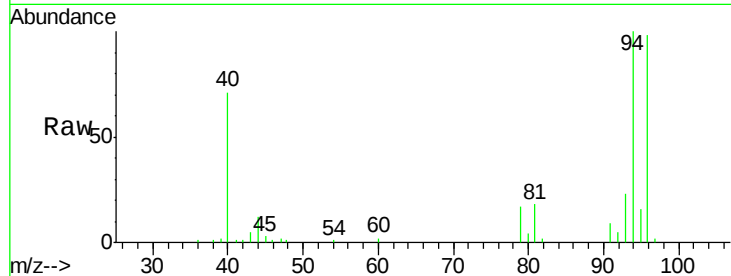
VN0323MBS01

Tot Ion: 94 Resp: 58698

Ion Ratio Lower Upper

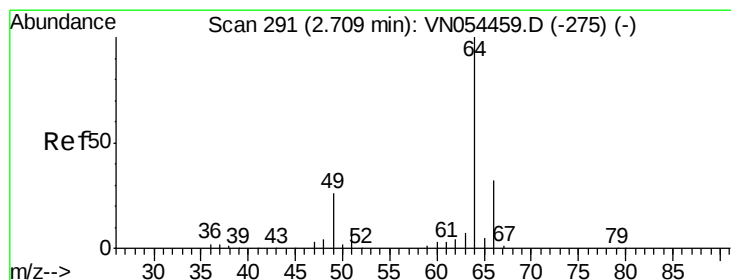
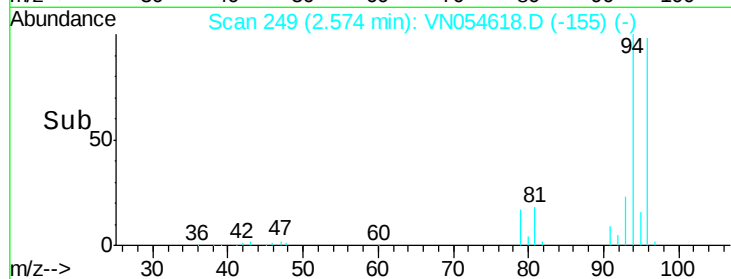
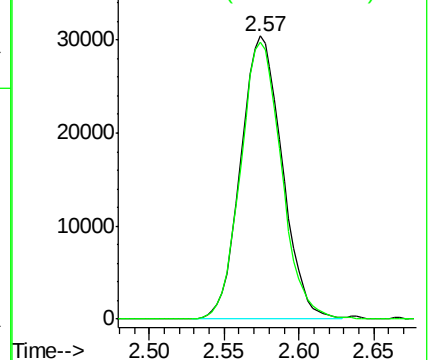
94 100

96 98.1 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: 19.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054618.D

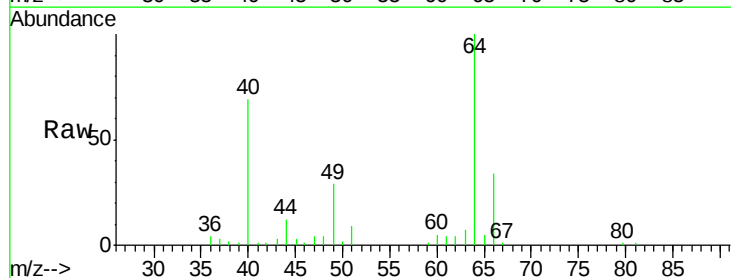
Acq: 23 Mar 2019 22:23

Tgt Ion: 64 Resp: 60698

Ion Ratio Lower Upper

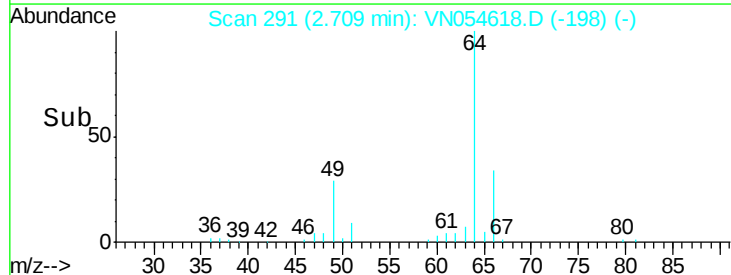
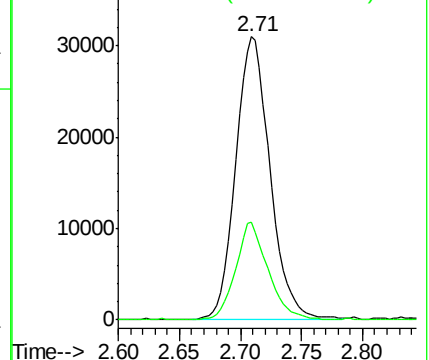
64 100

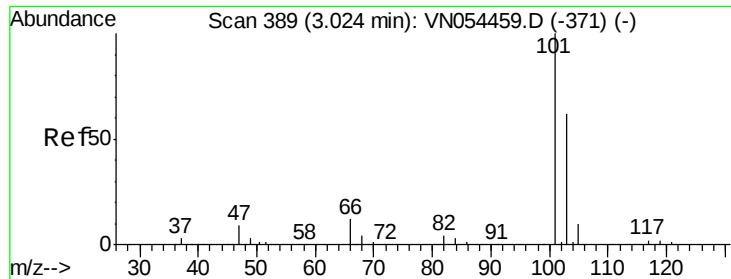
66 34.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



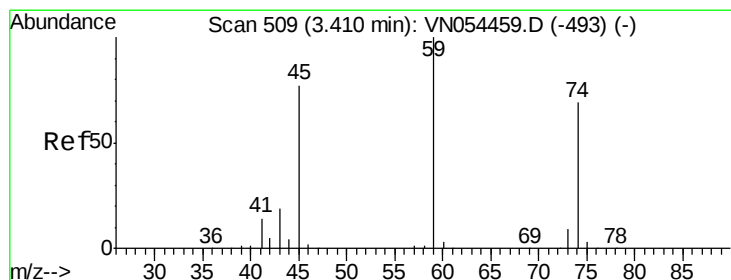
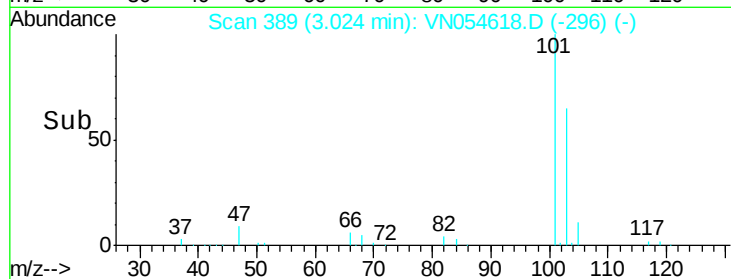
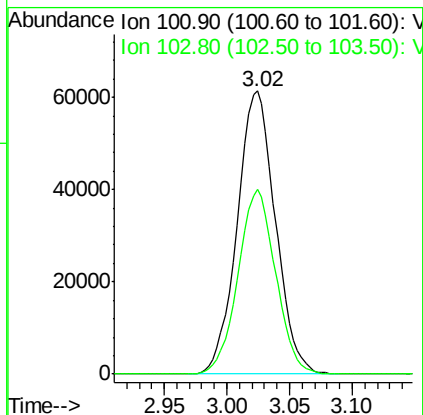
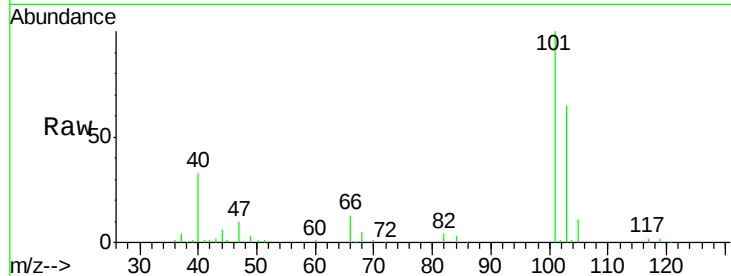


#7

Trichlorofluoromethane
Concen: 20.220 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

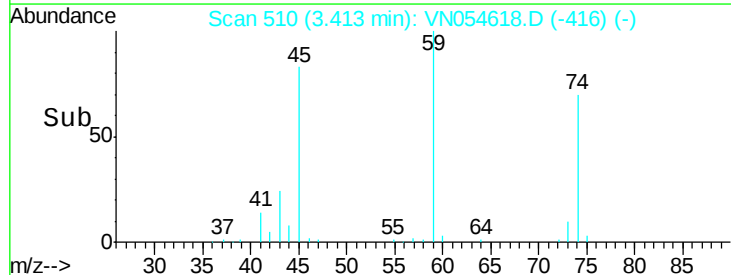
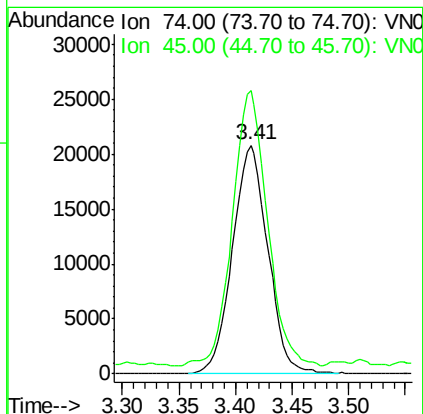
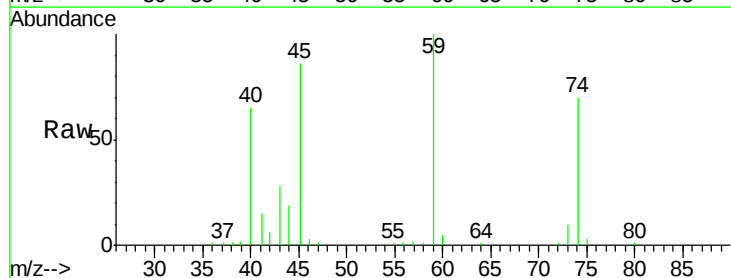
Tot Ion:101 Resp: 129700
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

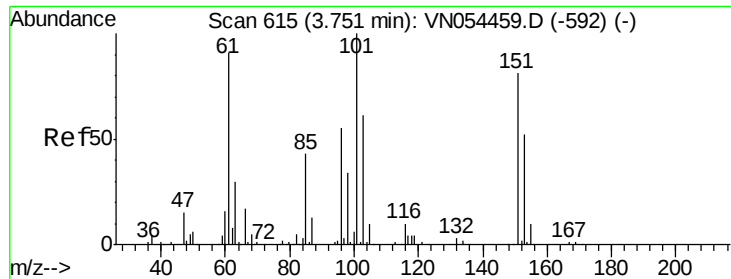


#8

Diethyl Ether
Concen: 18.377 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 74 Resp: 45335
Ion Ratio Lower Upper
74 100
45 118.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.872 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

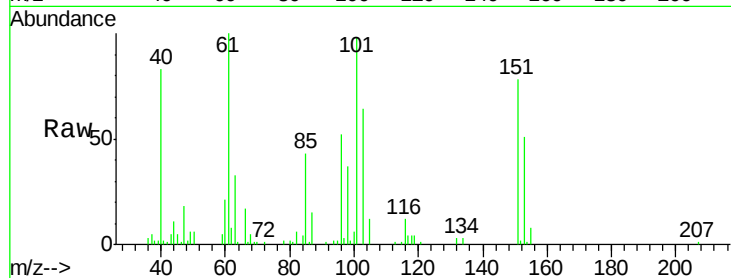
Tot Ion:101 Resp: 67374

Ion Ratio Lower Upper

101 100

85 45.4 32.4 48.6

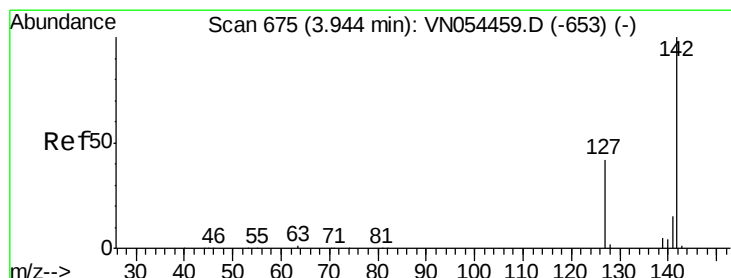
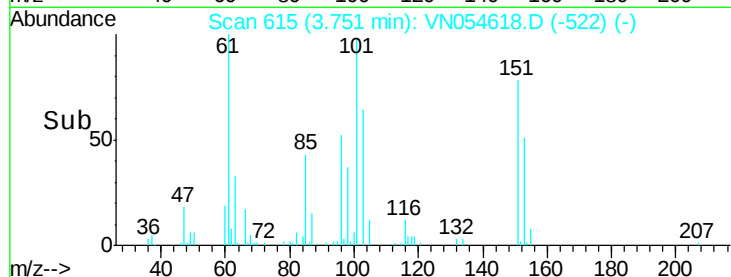
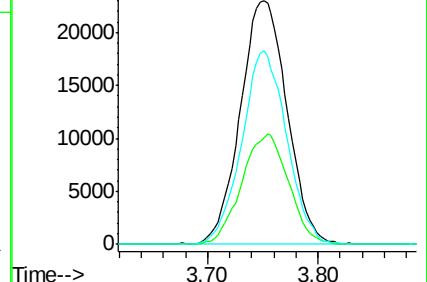
151 76.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.562 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

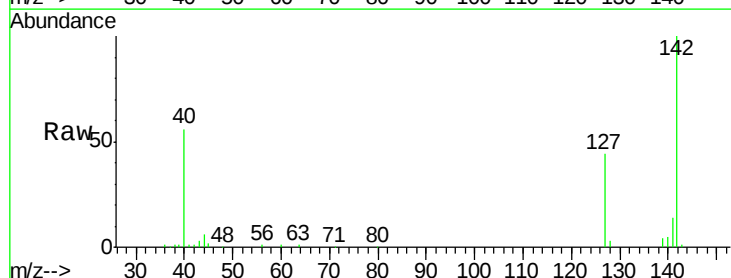
Tgt Ion:142 Resp: 97388

Ion Ratio Lower Upper

142 100

127 46.7 30.3 45.5#

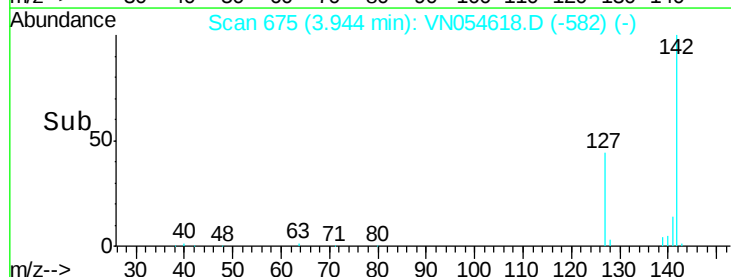
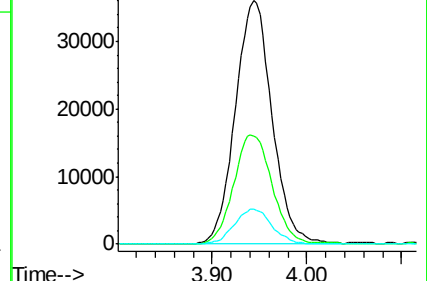
141 14.7 11.2 16.8

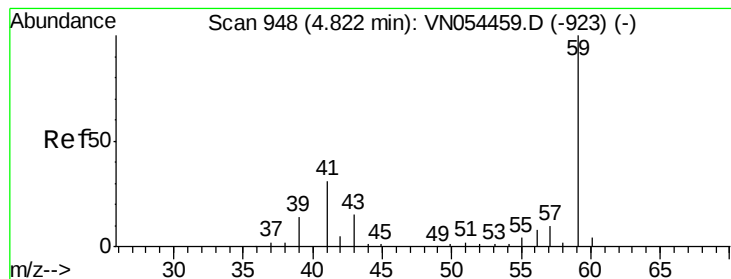


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



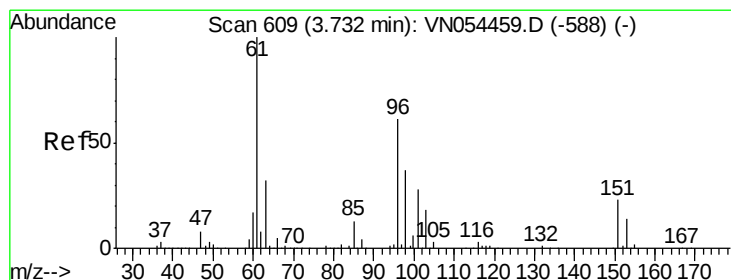
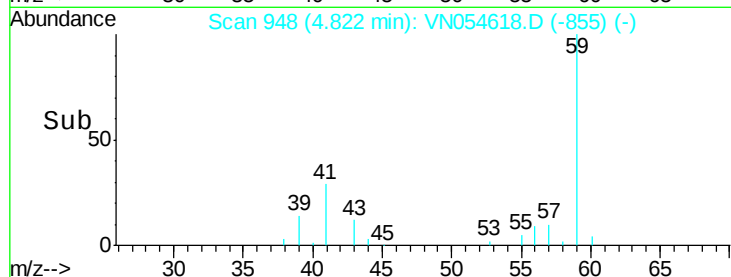
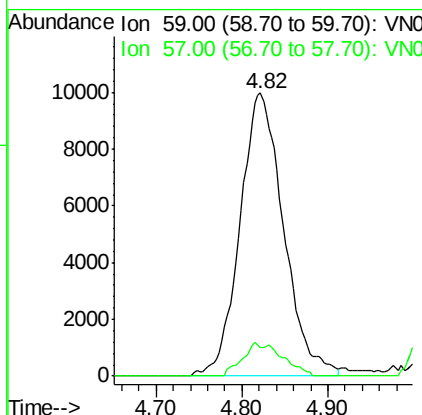
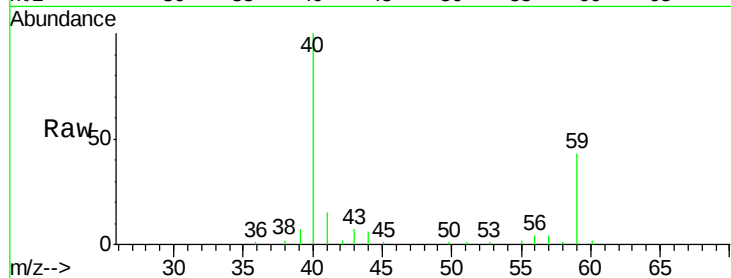


#11

Tert butyl alcohol
 Concen: 115.603 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

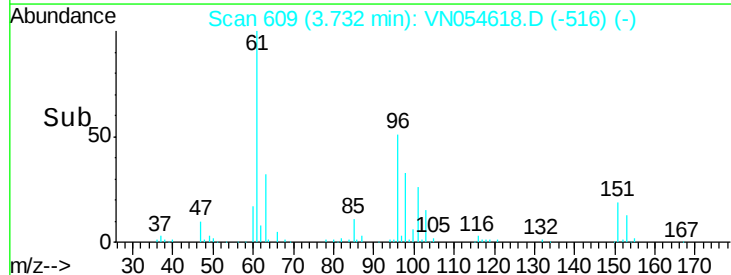
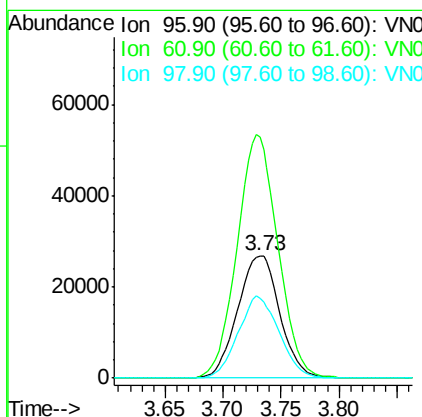
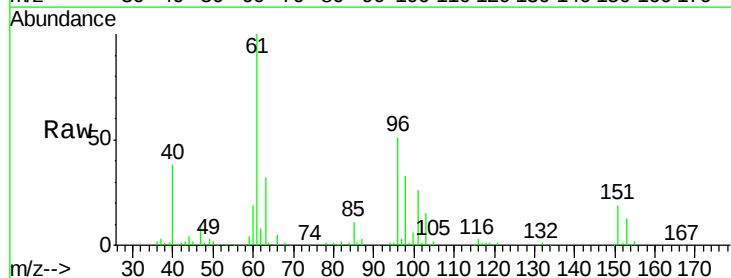
Tot Ion: 59 Resp: 35211
 Ion Ratio Lower Upper
 59 100
 57 5.5 9.0 13.6#

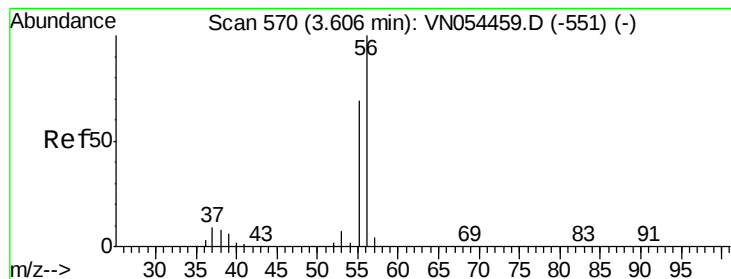


#12

1,1-Dichloroethene
 Concen: 17.390 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 96 Resp: 67843
 Ion Ratio Lower Upper
 96 100
 61 196.9 116.5 174.7#
 98 65.4 51.0 76.4





#13

Acrolein

Concen: 17.984 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

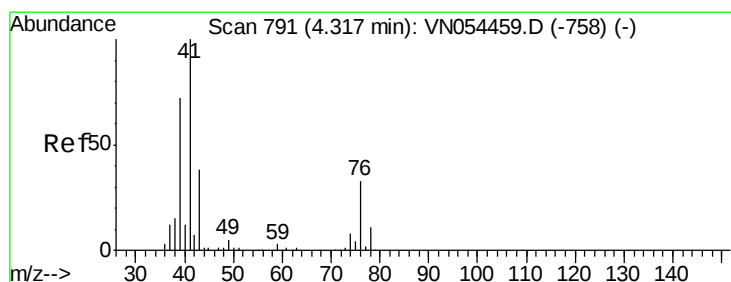
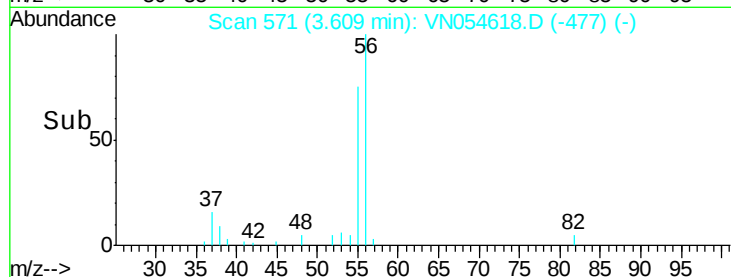
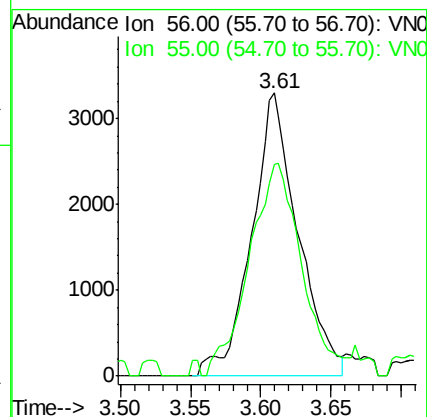
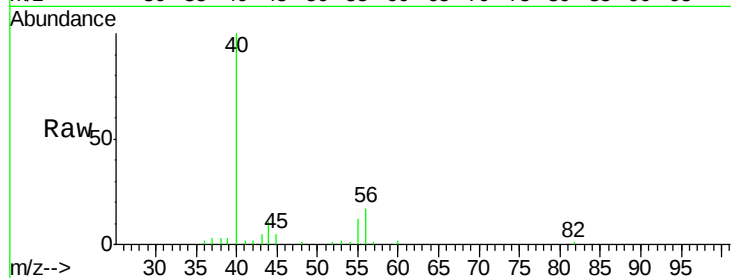
VN0323MBS01

Tot Ion: 56 Resp: 7559

Ion Ratio Lower Upper

56 100

55 84.7 56.7 85.1



#14

Allyl chloride

Concen: 21.113 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

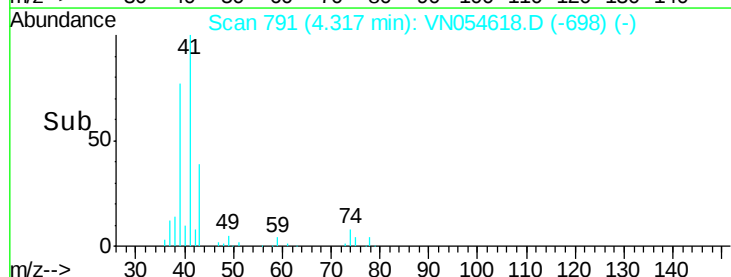
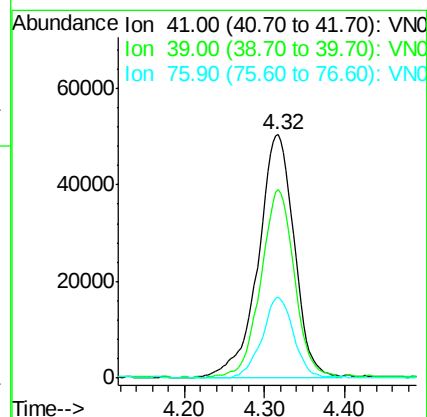
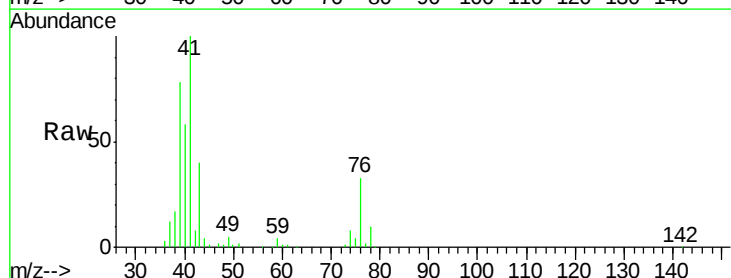
Tgt Ion: 41 Resp: 155106

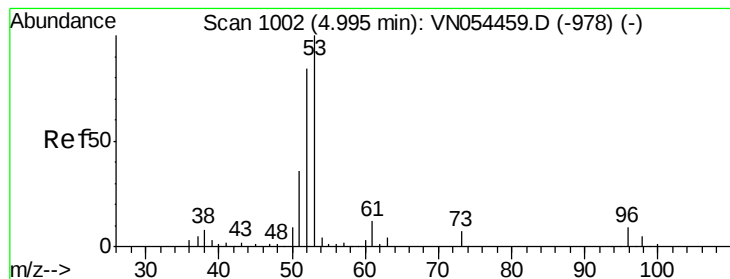
Ion Ratio Lower Upper

41 100

39 73.3 58.2 87.4

76 29.3 31.7 47.5#





#15

Acrylonitrile

Concen: 112.643 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

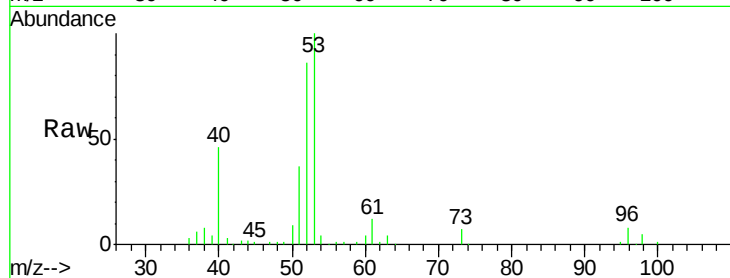
Tot Ion: 53 Resp: 170857

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

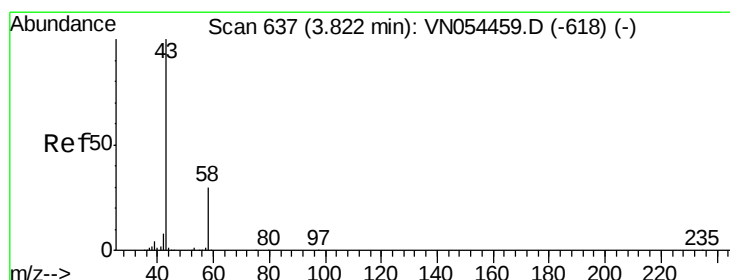
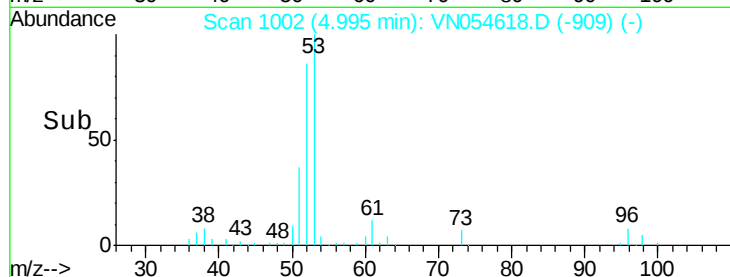
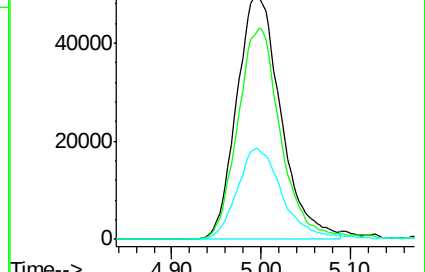
51 38.5 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)



#16

Acetone

Concen: 84.610 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054618.D

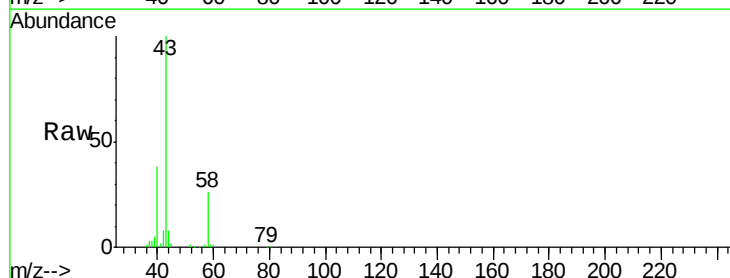
Acq: 23 Mar 2019 22:23

Tgt Ion: 43 Resp: 127977

Ion Ratio Lower Upper

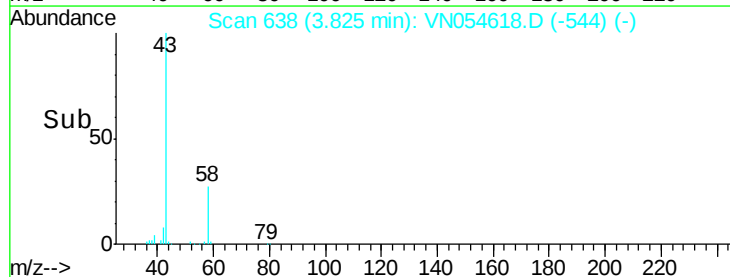
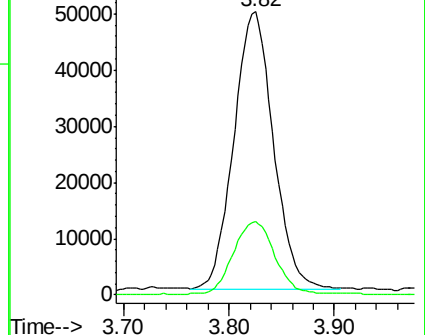
43 100

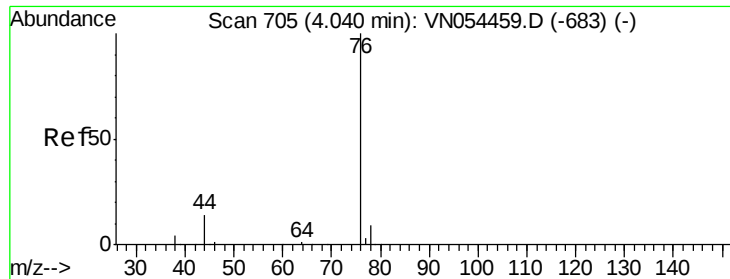
58 26.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)

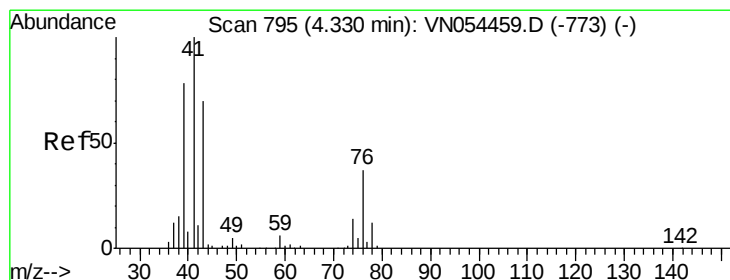
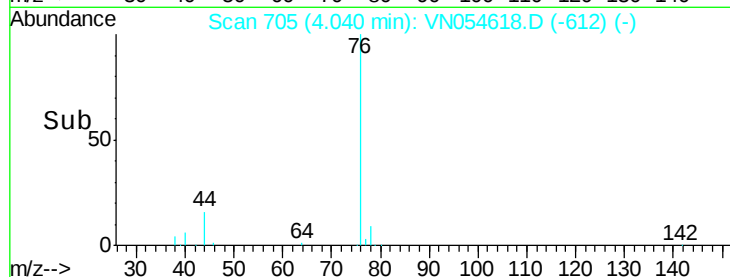
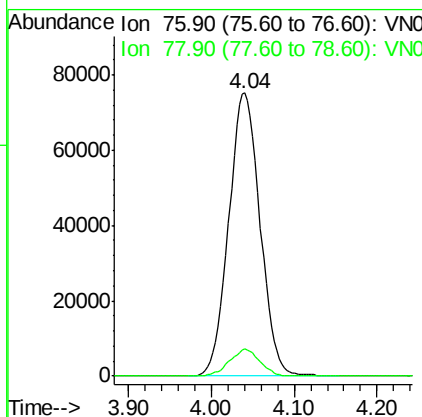
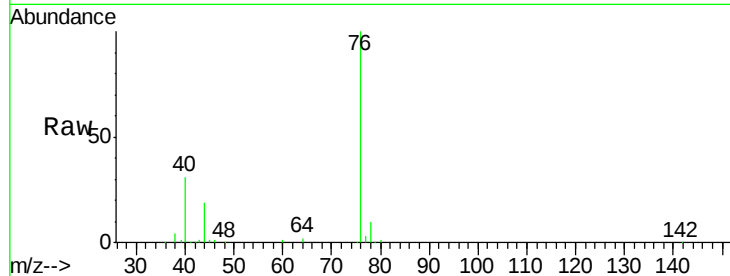




#17
Carbon Disulfide
Concen: 18.909 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

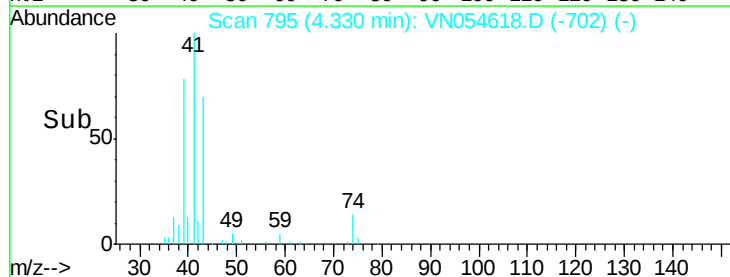
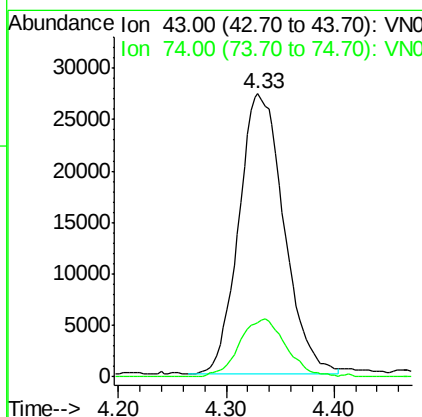
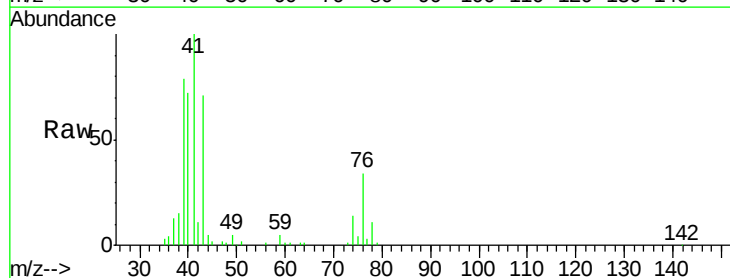
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

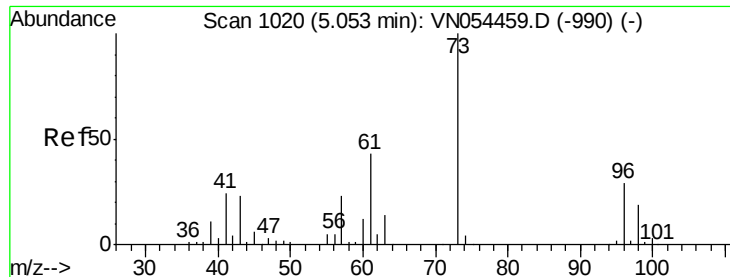
Tot Ion: 76 Resp: 197661
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 23.596 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 43 Resp: 79551
Ion Ratio Lower Upper
43 100
74 21.3 20.8 31.2

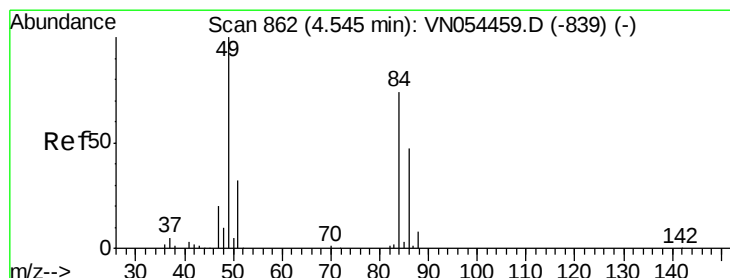
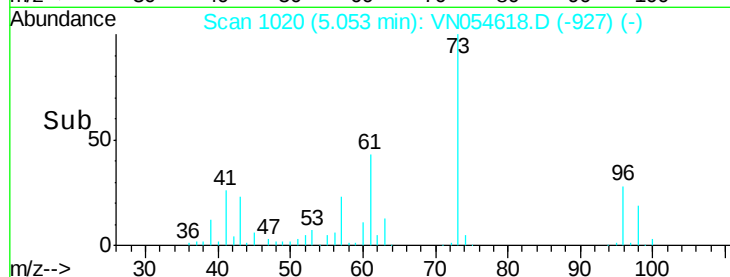
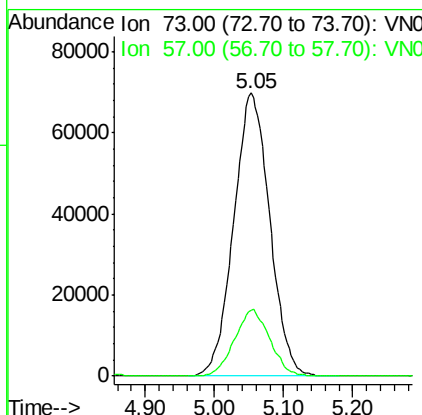
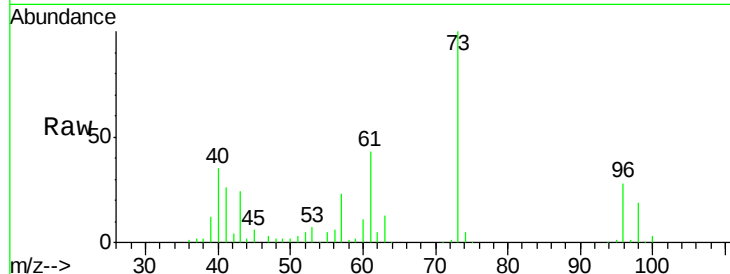




#19
Methyl tert-butyl Ether
Concen: 22.180 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

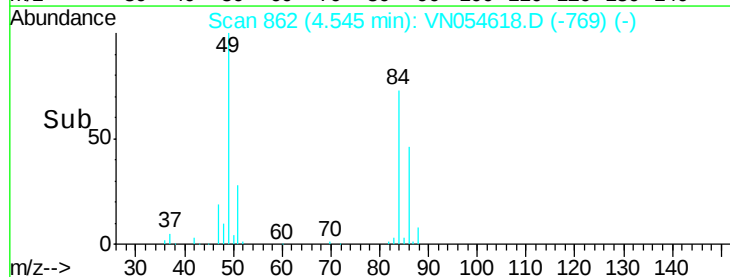
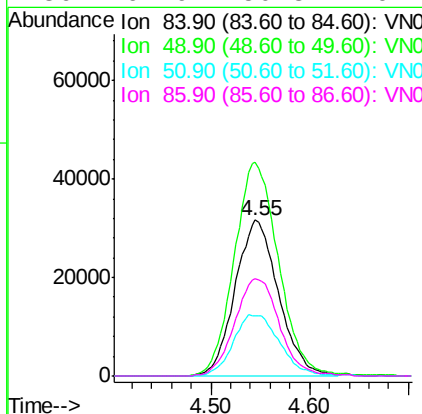
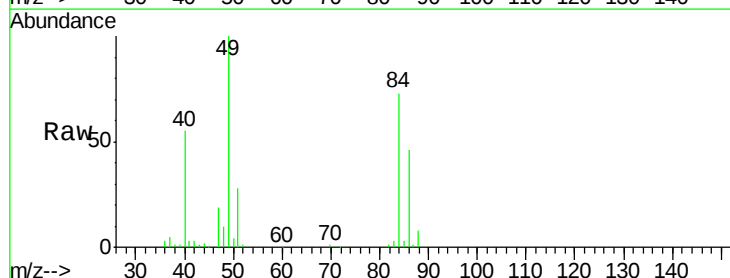
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

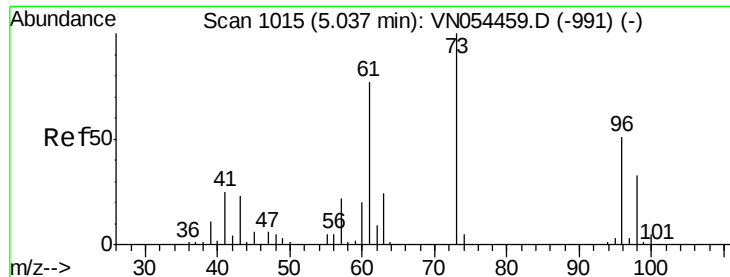
Tot Ion: 73 Resp: 252530
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.696 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 84 Resp: 96736
Ion Ratio Lower Upper
84 100
49 137.2 89.7 134.5#
51 38.5 28.2 42.4
86 62.9 50.8 76.2

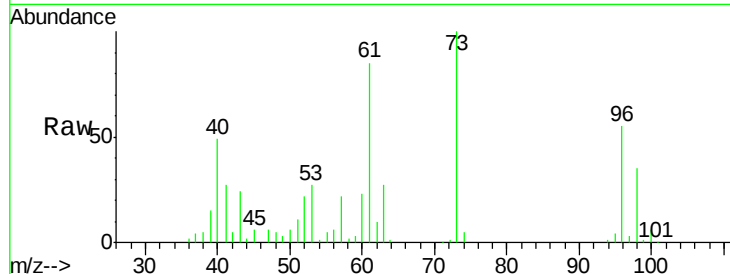




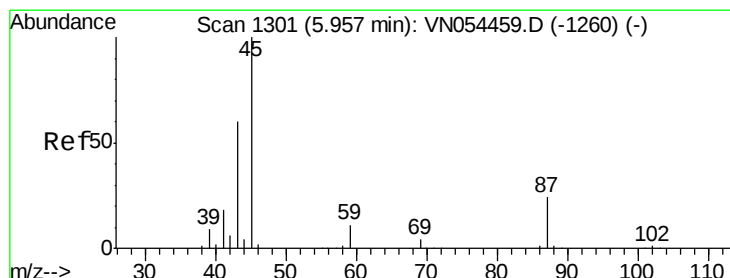
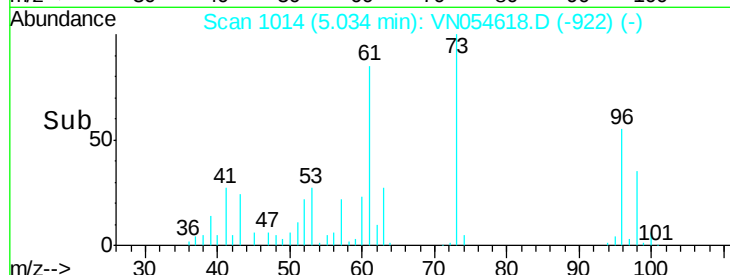
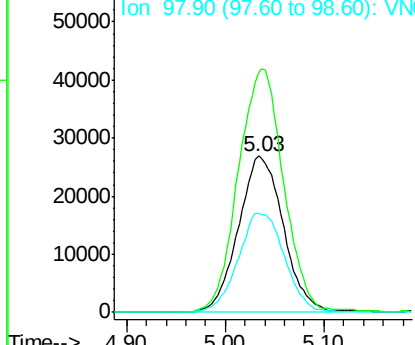
#21
trans-1,2-Dichloroethene
Concen: 21.252 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion: 96 Resp: 84659
Ion Ratio Lower Upper
96 100
61 153.4 102.8 154.2
98 63.2 50.0 75.0

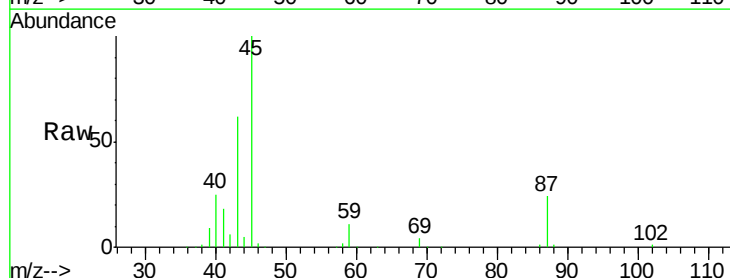


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

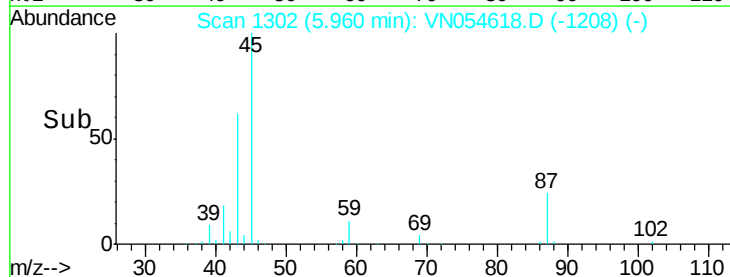
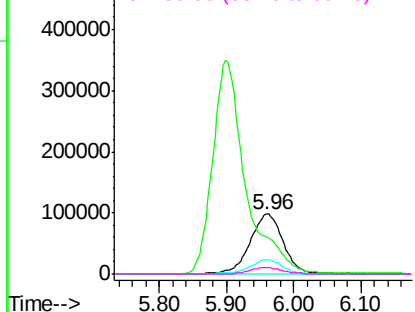


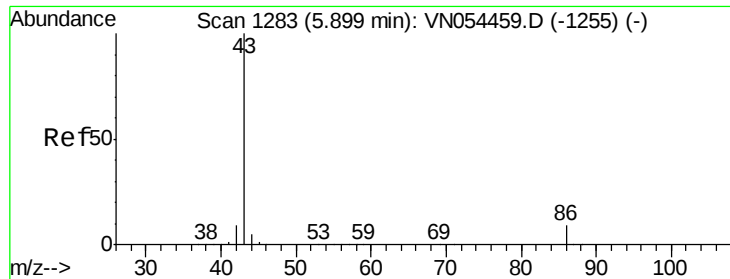
#22
Diisopropyl ether
Concen: 23.222 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 45 Resp: 336498
Ion Ratio Lower Upper
45 100
43 59.6 48.2 72.2
87 23.3 24.9 37.3#
59 10.6 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

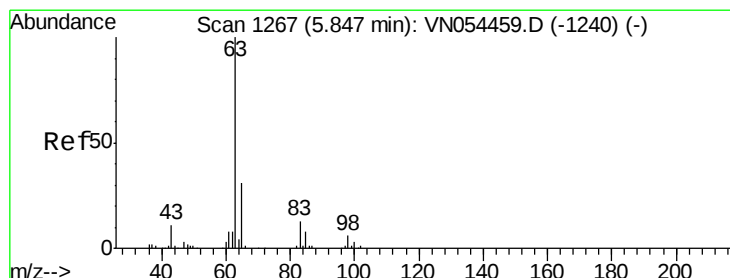
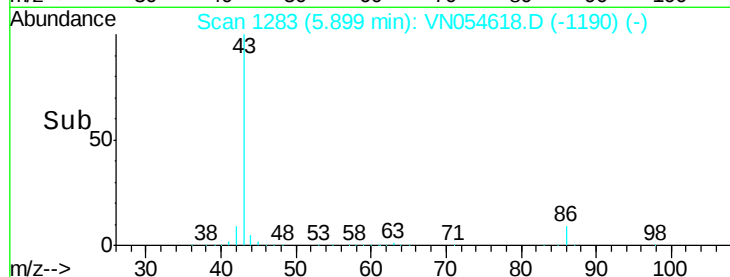
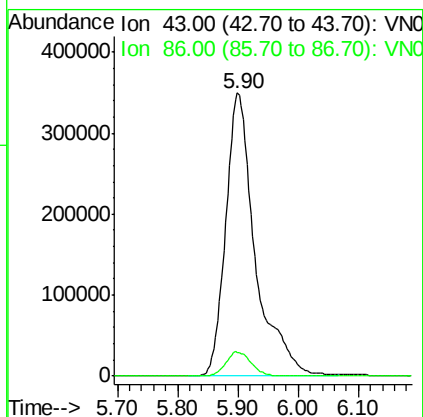
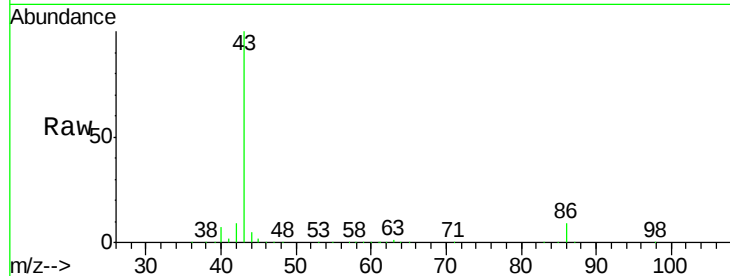




#23
 Vinyl Acetate
 Concen: 116.551 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

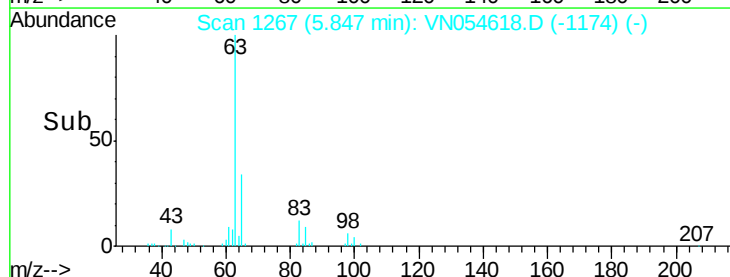
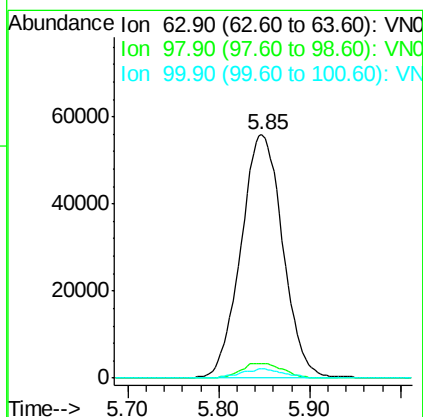
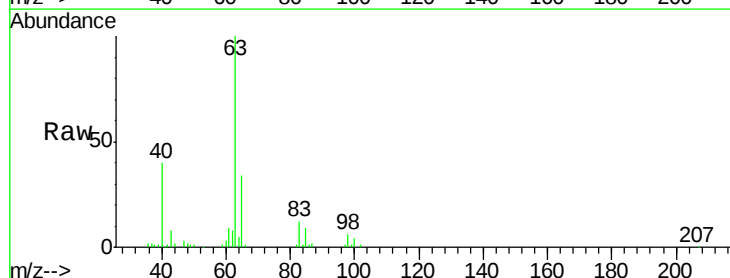
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

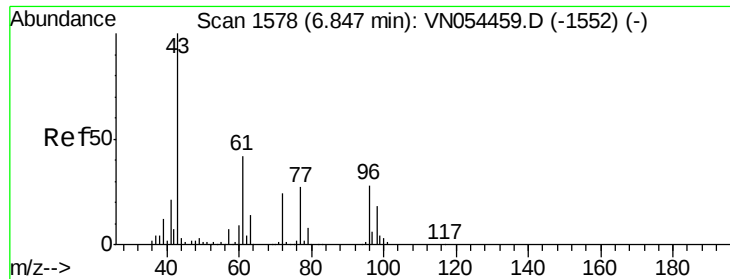
Tot Ion: 43 Resp: 1192798
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 22.873 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 63 Resp: 178458
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.5 10.5
 100 4.1 2.0 6.0

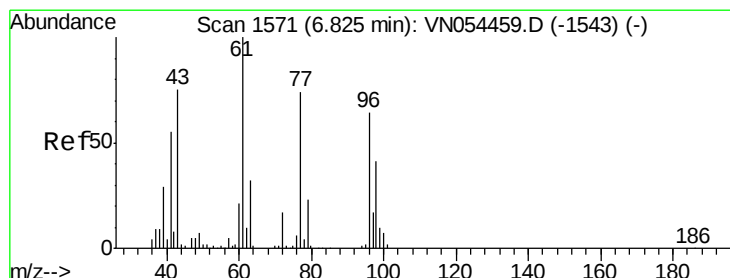
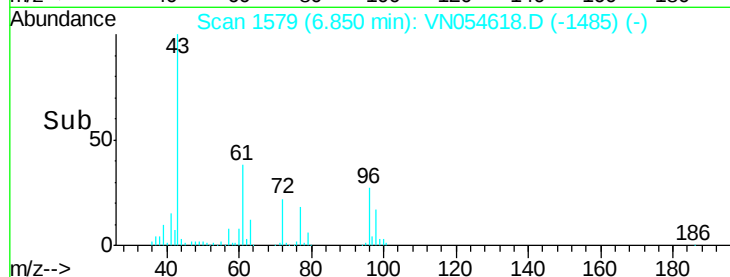
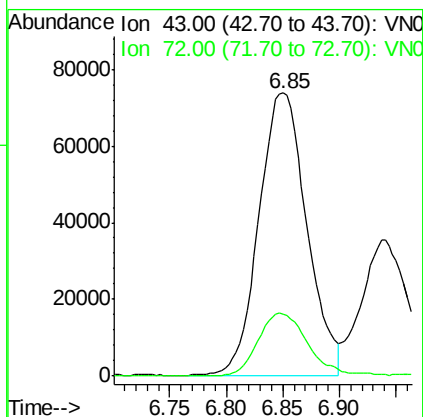
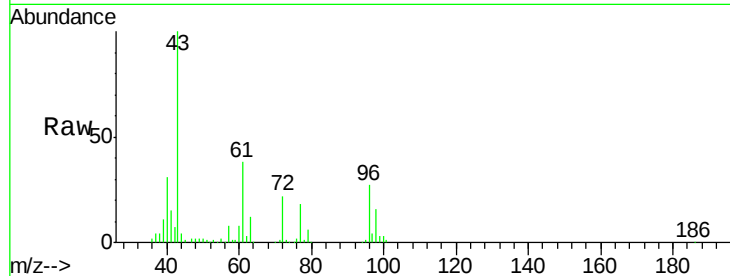




#25
2-Butanone
Concen: 111.101 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

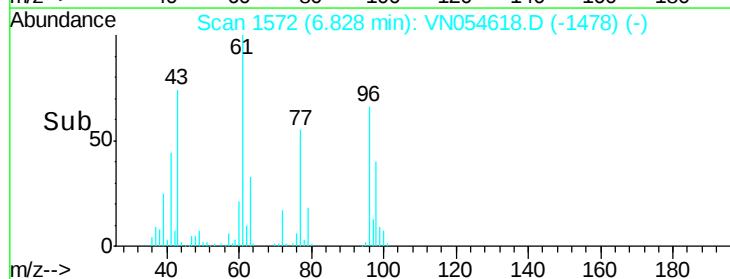
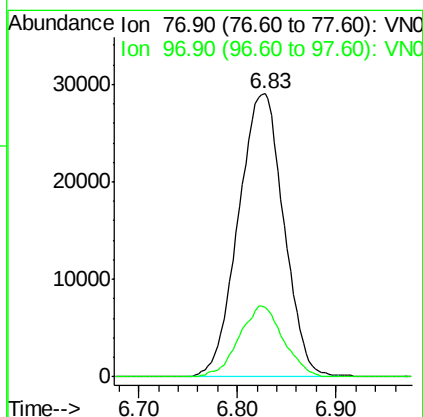
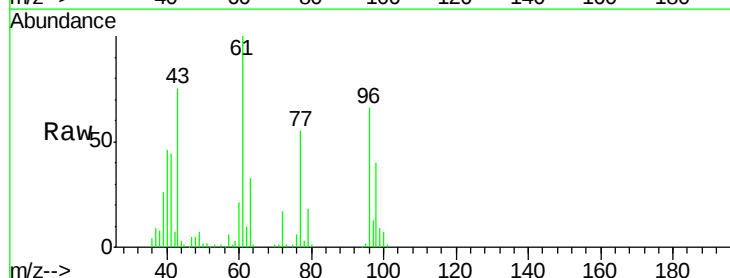
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

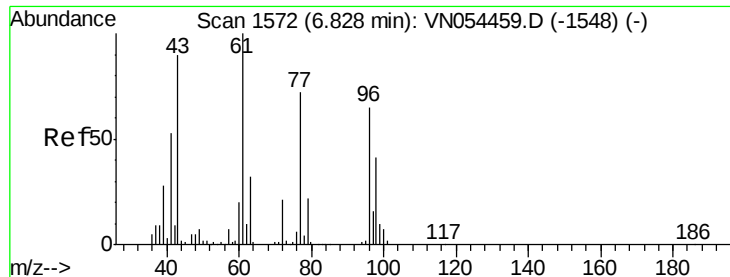
Tot Ion: 43 Resp: 215267
Ion Ratio Lower Upper
43 100
72 22.2 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 16.605 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 77 Resp: 92350
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.444 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

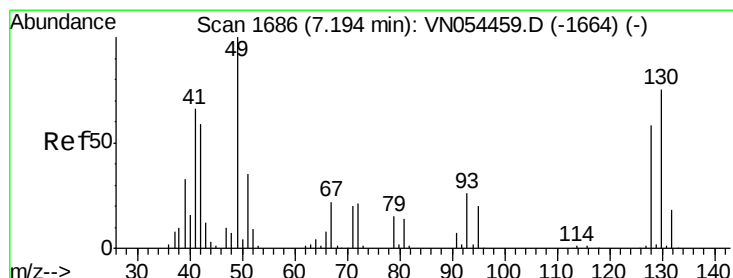
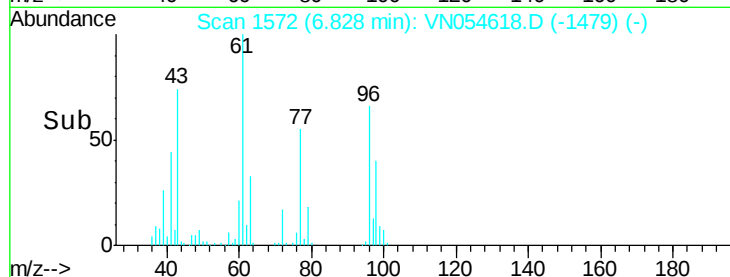
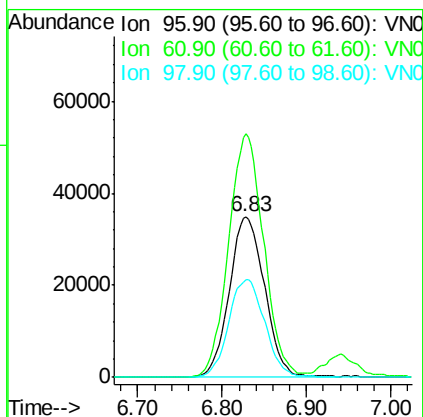
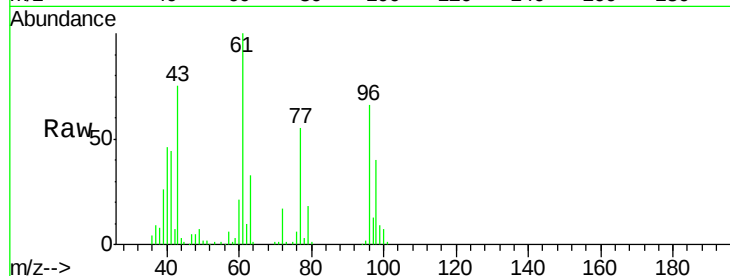
Tot Ion: 96 Resp: 101890

Ion Ratio Lower Upper

96 100

61 150.5 0.0 273.0

98 61.9 0.0 130.6



#28

Bromochloromethane

Concen: 23.720 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

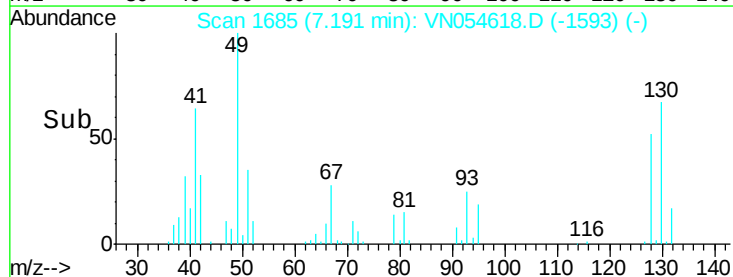
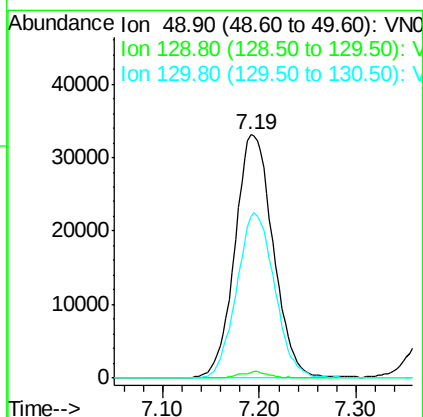
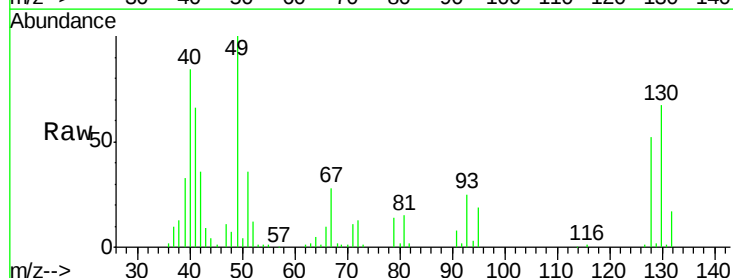
Tgt Ion: 49 Resp: 91093

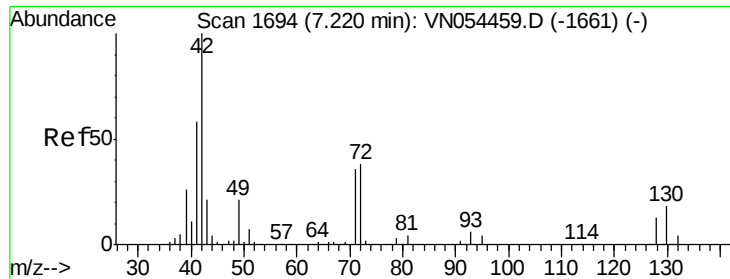
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 67.1 76.7 115.1#

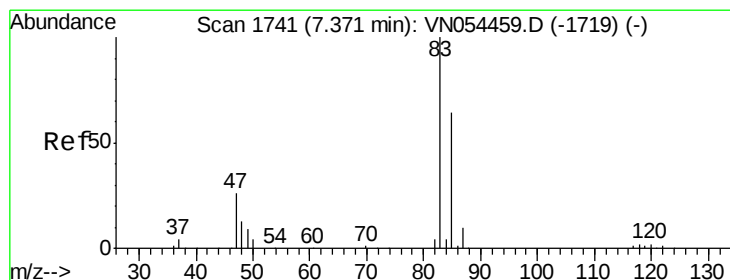
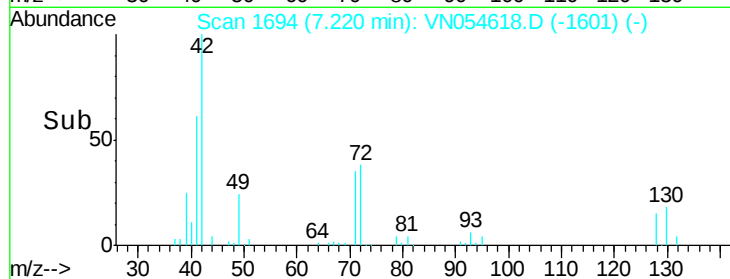
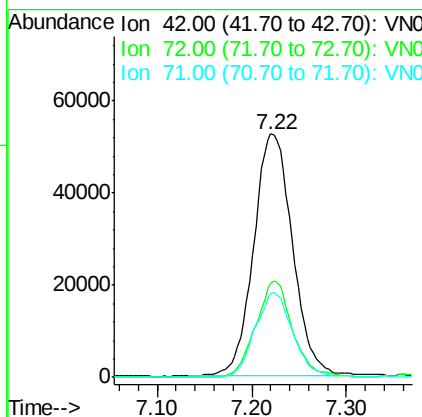
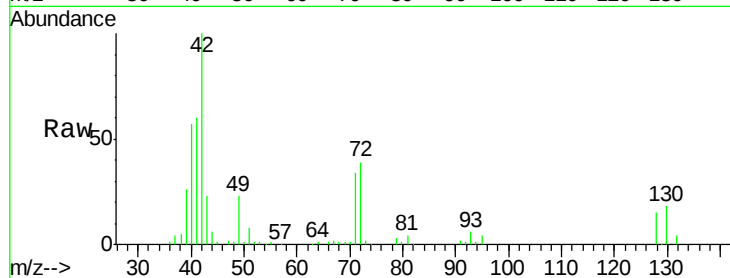




#29
Tetrahydrofuran
Concen: 119.429 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

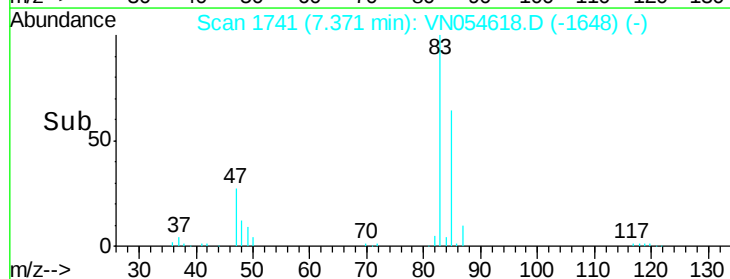
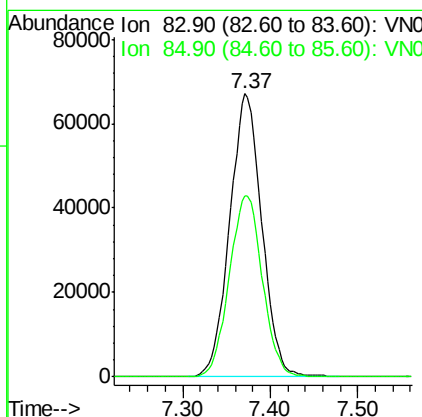
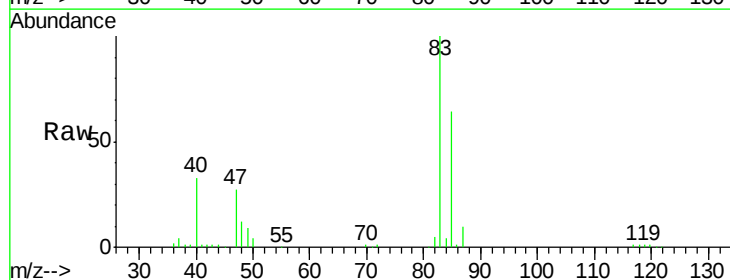
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

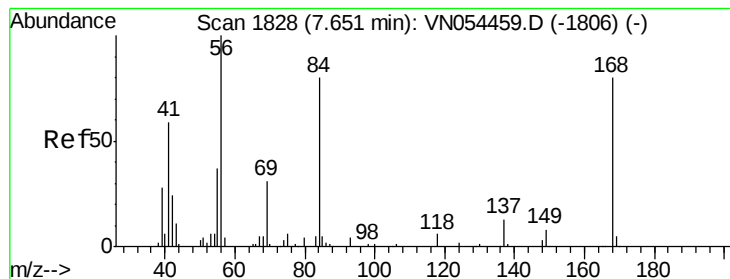
Tot Ion: 42 Resp: 150165
Ion Ratio Lower Upper
42 100
72 37.9 37.8 56.6
71 34.0 36.2 54.2#



#30
Chloroform
Concen: 22.465 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 83 Resp: 171054
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4





#31

Cyclohexane

Concen: 20.557 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

VN0323MBS01

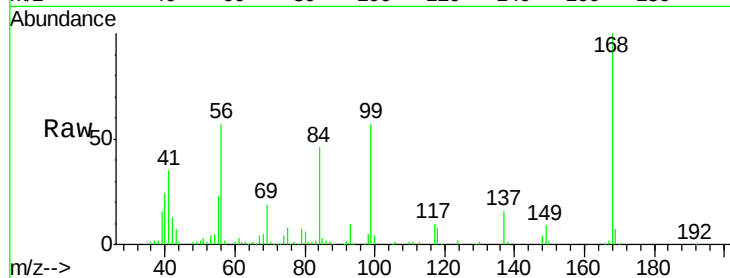
Tot Ion: 56 Resp: 161863

Ion Ratio Lower Upper

56 100

69 33.6 27.8 41.6

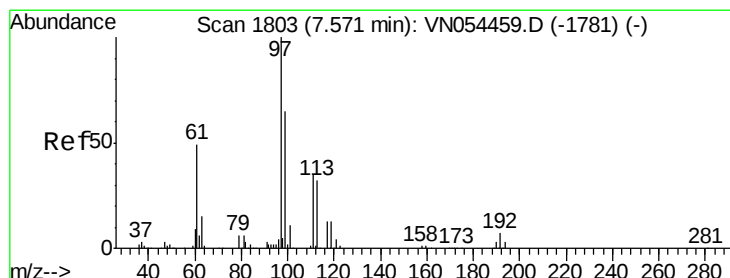
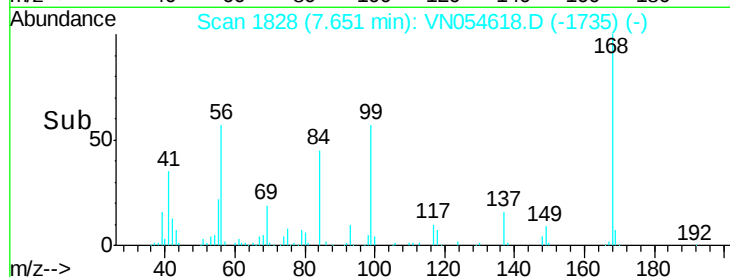
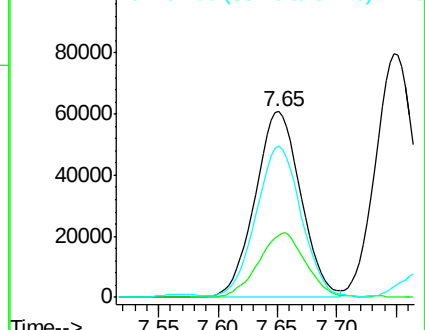
84 80.1 74.6 111.8



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: 22.383 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

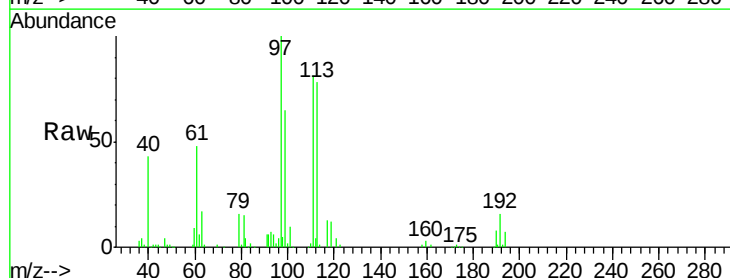
Tgt Ion: 97 Resp: 140603

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

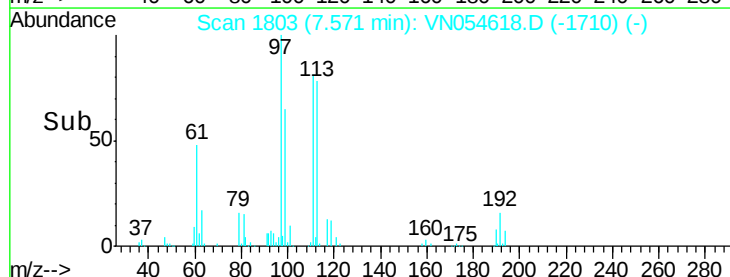
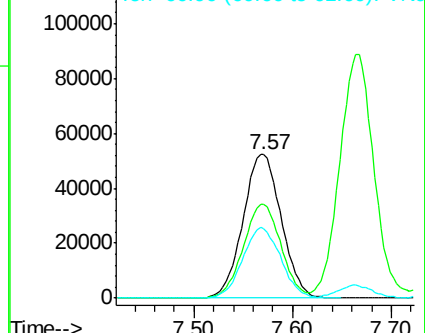
61 48.5 33.6 50.4

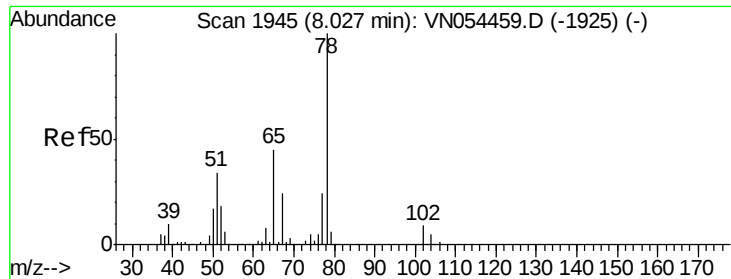


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 56.902 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

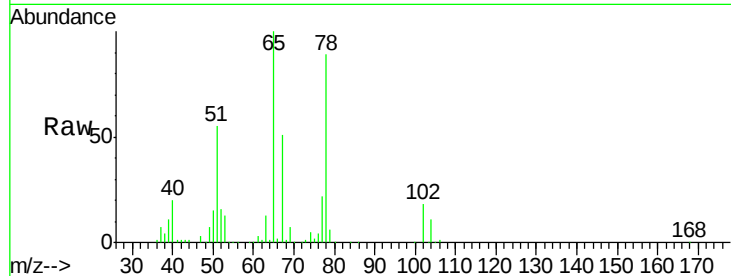
VN0323MBS01

Tot Ion: 65 Resp: 286270

Ion Ratio Lower Upper

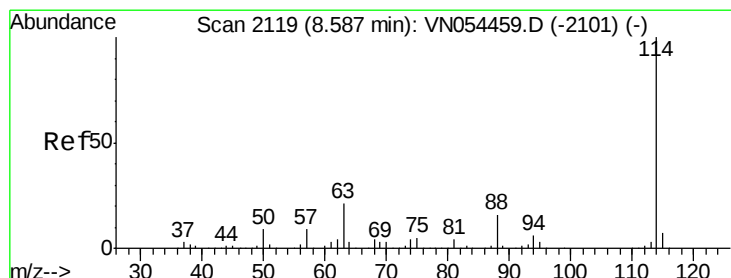
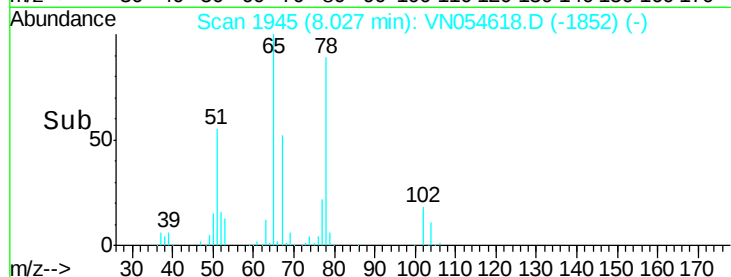
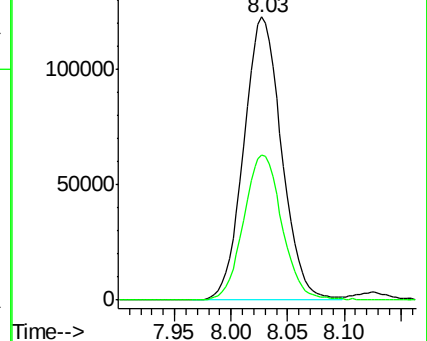
65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

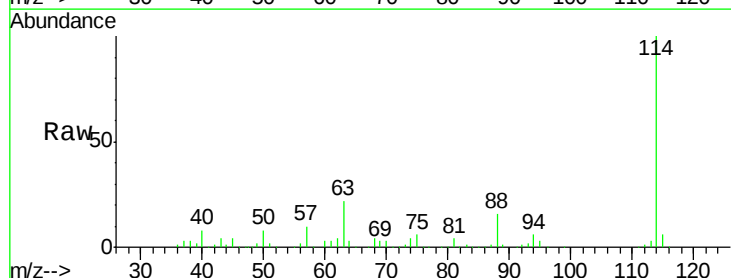
Tgt Ion: 114 Resp: 679886

Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.2

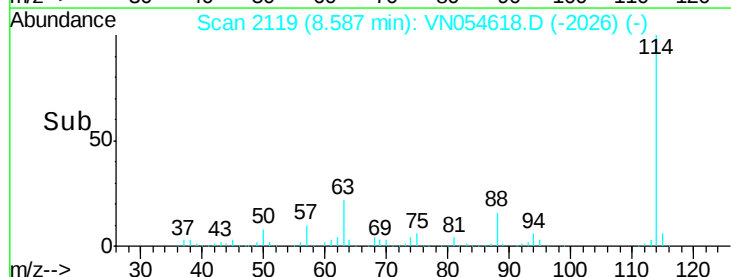
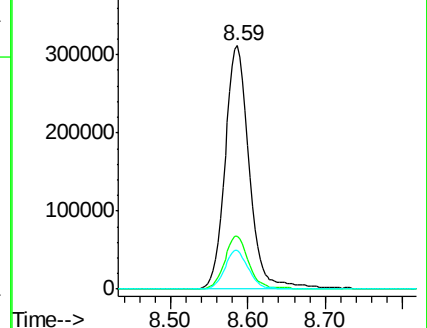
88 15.9 0.0 30.2

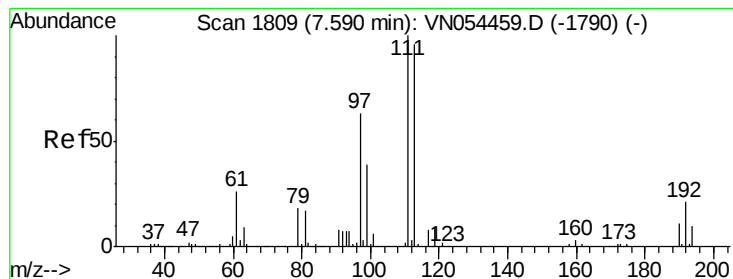


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

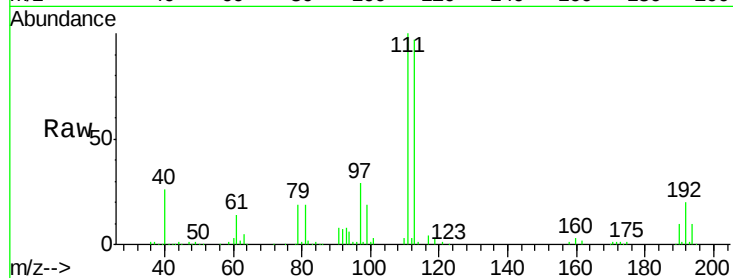
Tot Ion:113 Resp: 218664

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

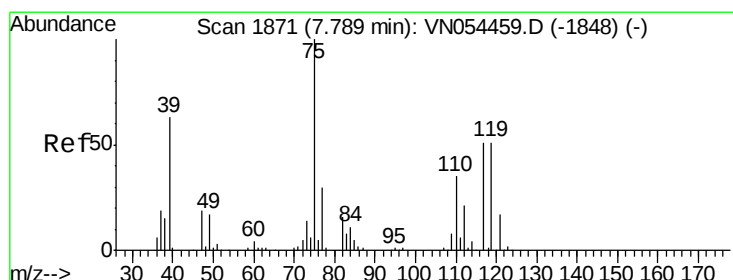
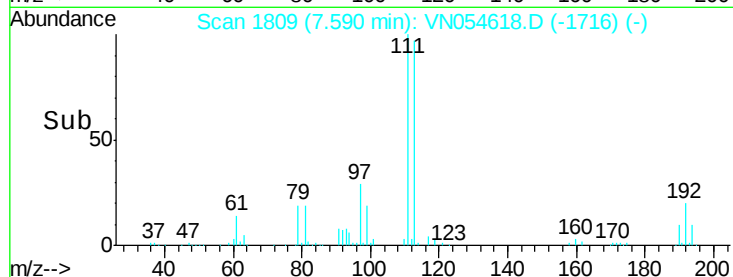
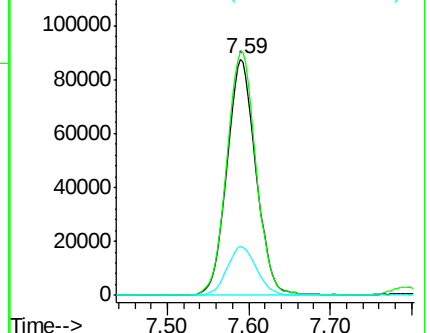
192 21.1 19.2 28.8



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: 19.382 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

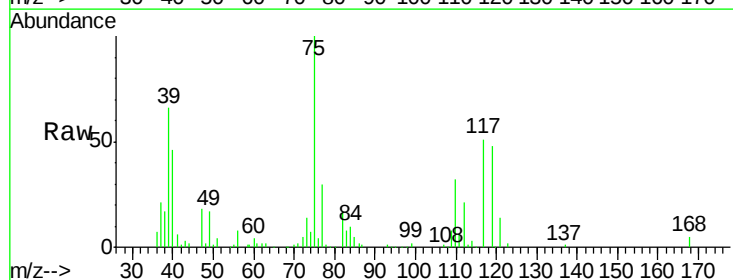
Tgt Ion: 75 Resp: 123211

Ion Ratio Lower Upper

75 100

110 33.7 19.1 57.5

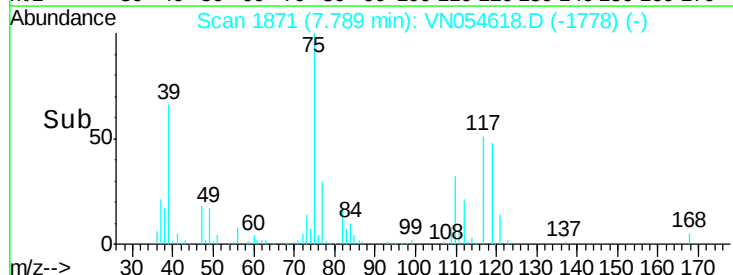
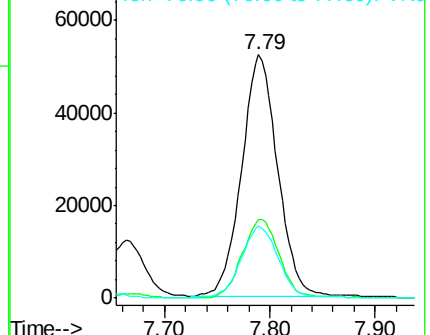
77 31.1 25.0 37.4

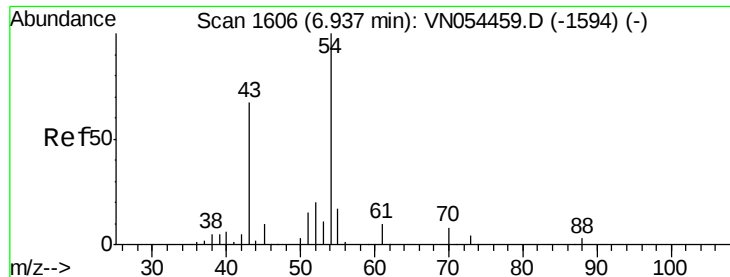


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

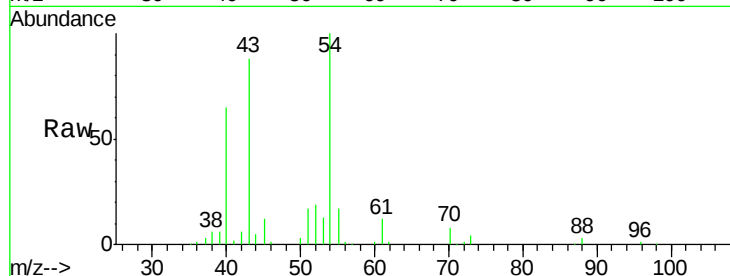




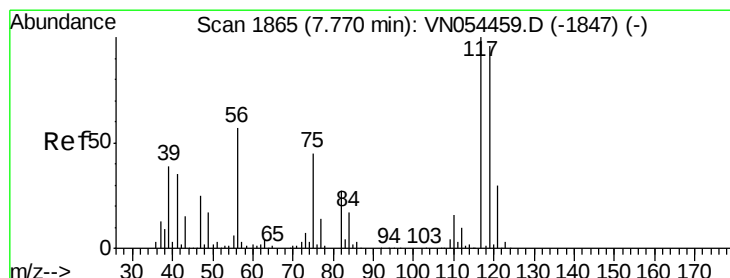
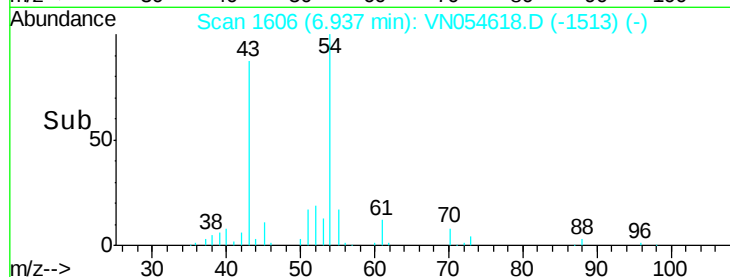
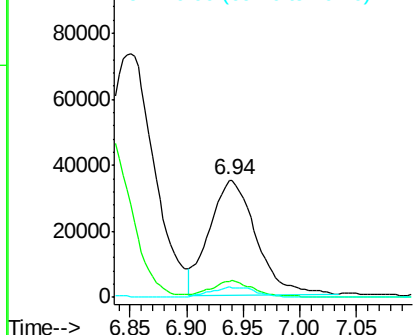
#37
Ethyl Acetate
Concen: 22.058 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion: 43 Resp: 99731
Ion Ratio Lower Upper
43 100
61 12.6 11.8 17.6
70 8.8 8.4 12.6

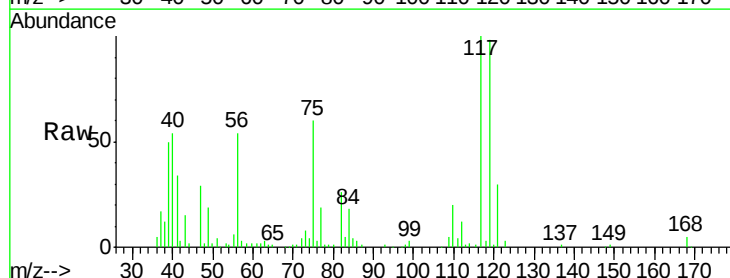


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

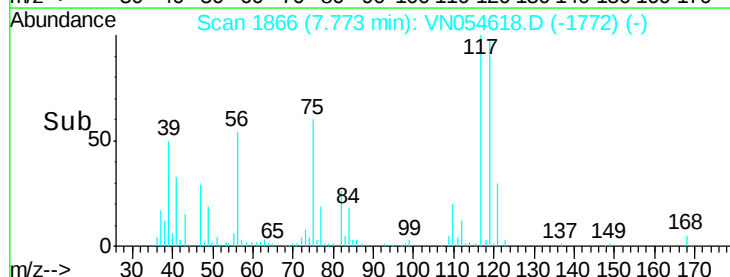
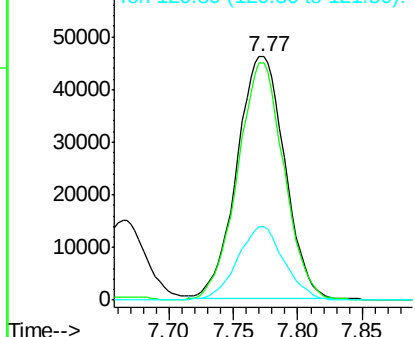


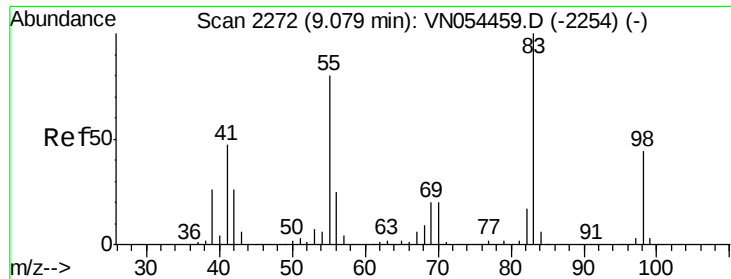
#38
Carbon Tetrachloride
Concen: 19.215 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 117 Resp: 118702
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5
121 30.4 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

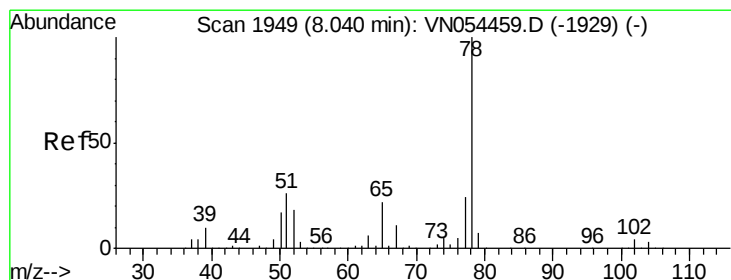
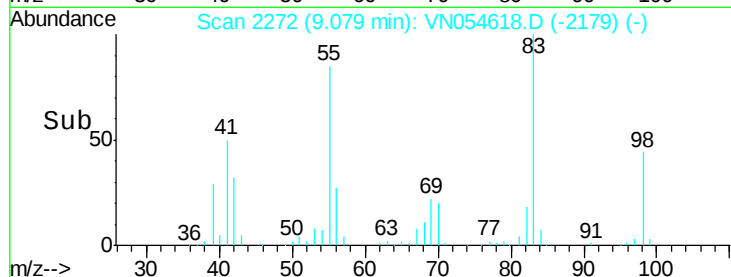
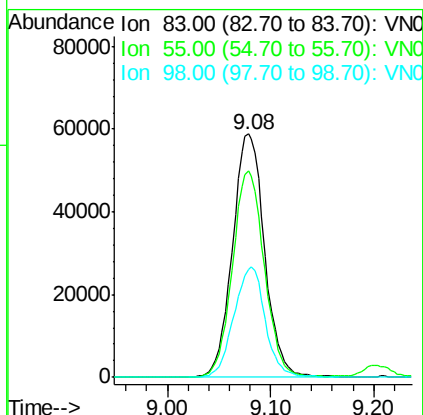
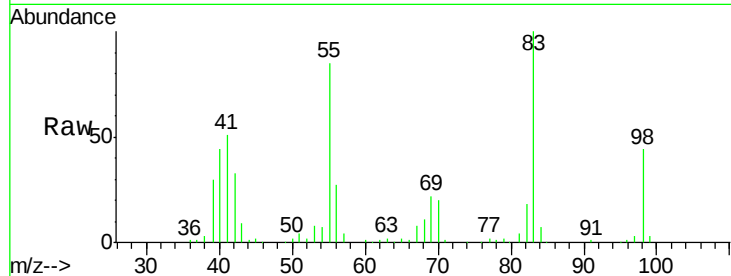




#39
Methvlcvclohexane
Concen: 17.533 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

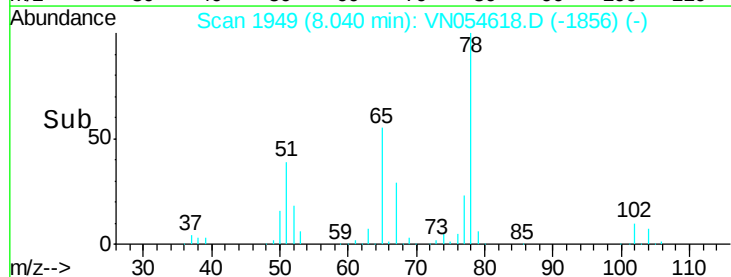
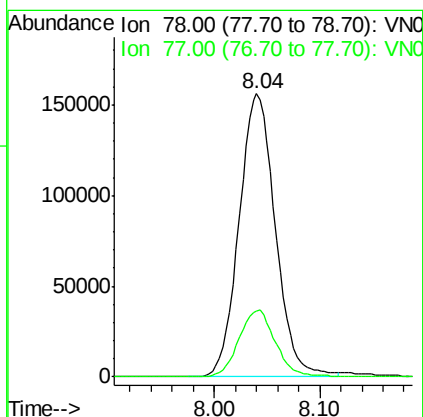
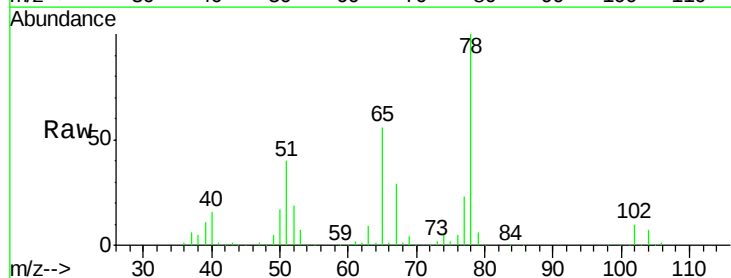
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

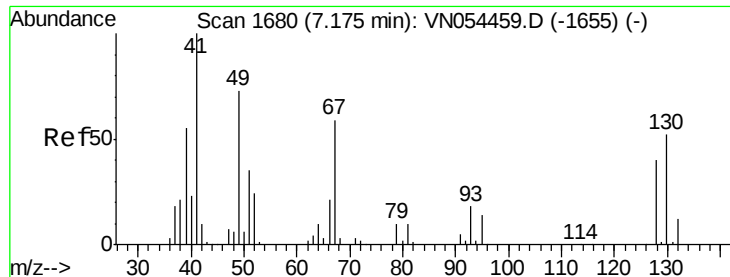
Tot Ion: 83 Resp: 127496
Ion Ratio Lower Upper
83 100
55 84.6 56.6 84.8
98 44.3 38.4 57.6



#40
Benzene
Concen: 20.587 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 78 Resp: 374234
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

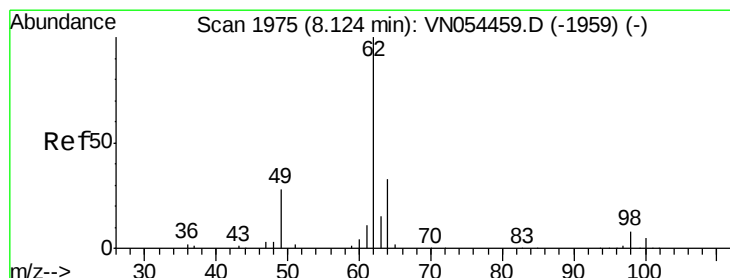
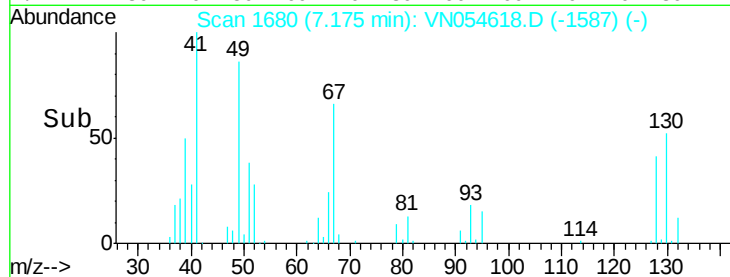
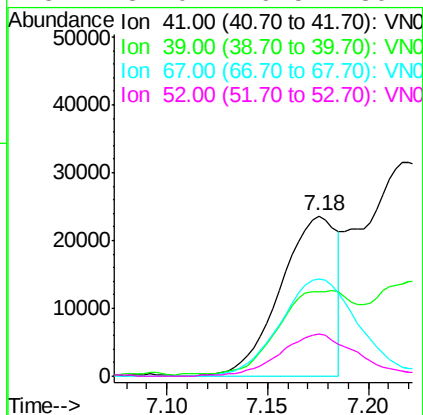
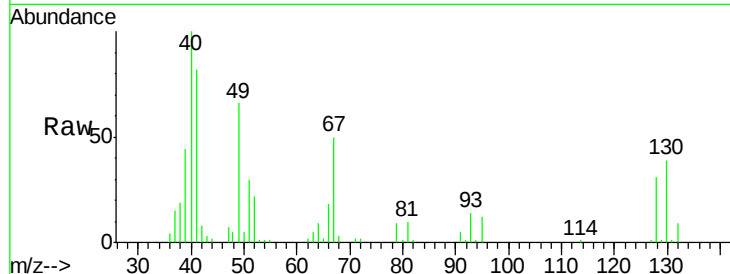




#41
Methacrylonitrile
Concen: 16.513 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

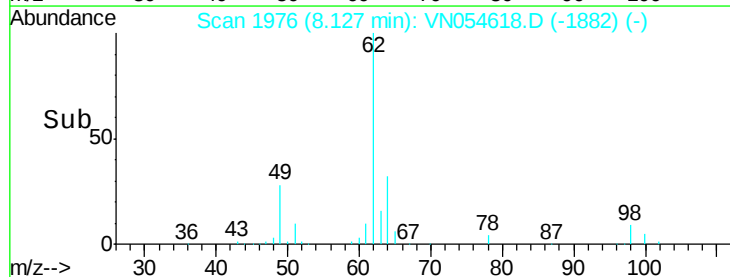
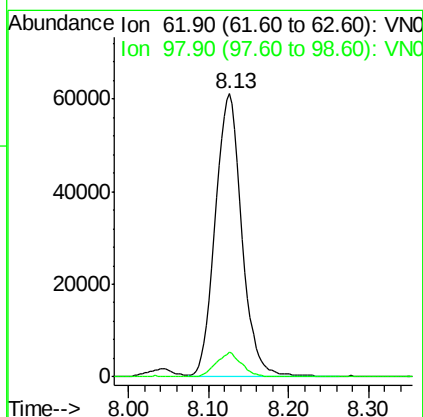
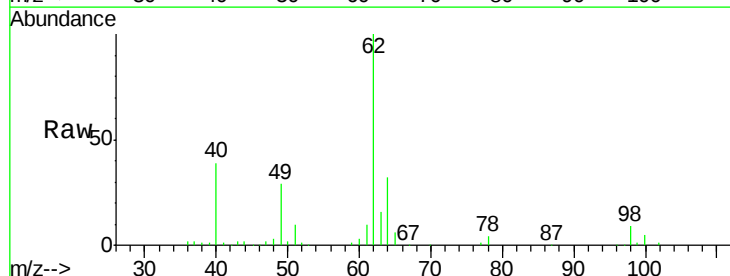
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

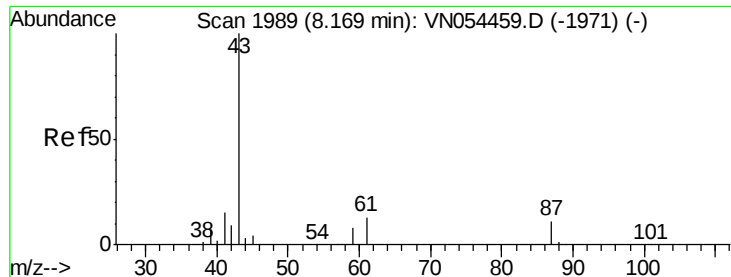
Tot Ion: 41 Resp: 45533
Ion Ratio Lower Upper
41 100
39 73.5 46.8 70.2#
67 86.9 67.0 100.4
52 37.0 26.5 39.7



#42
1,2-Dichloroethane
Concen: 21.300 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 62 Resp: 141007
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.908 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

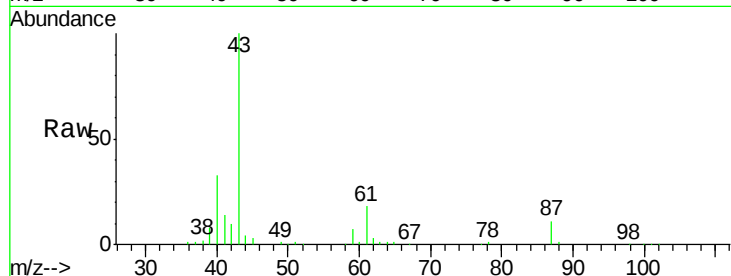
Tot Ion: 43 Resp: 167288

Ion Ratio Lower Upper

43 100

61 17.7 15.8 23.8

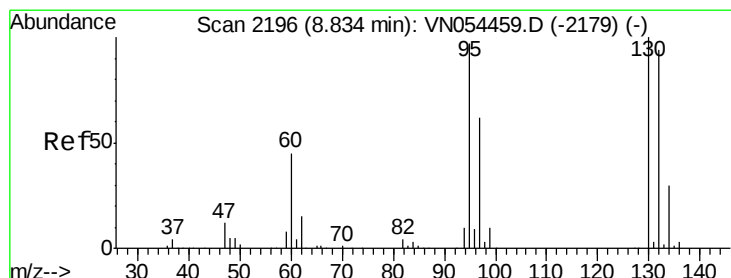
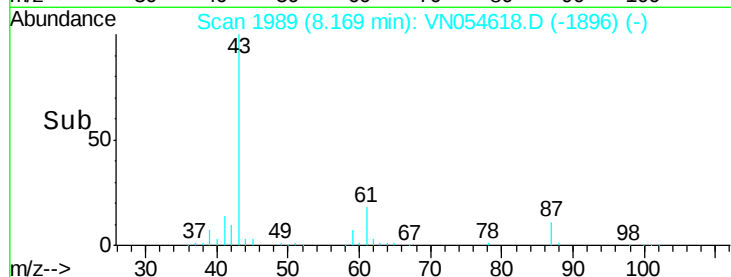
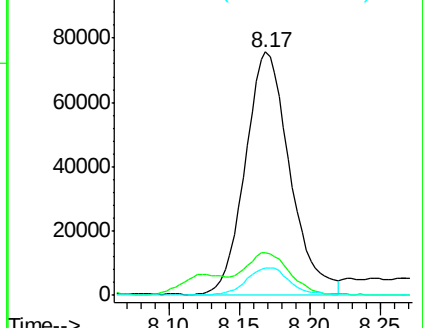
87 11.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 19.433 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054618.D

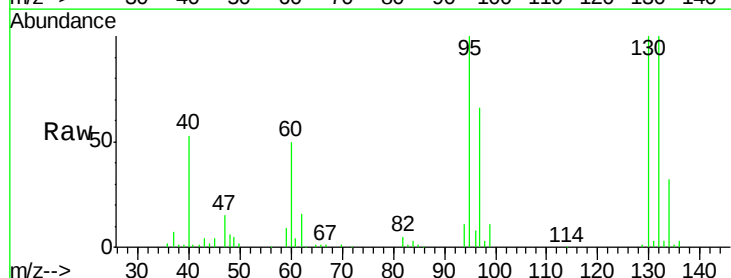
Acq: 23 Mar 2019 22:23

Tgt Ion:130 Resp: 98213

Ion Ratio Lower Upper

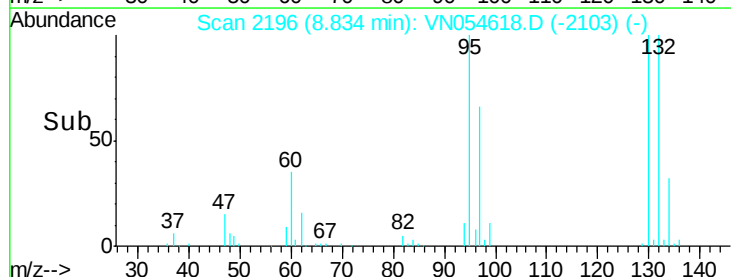
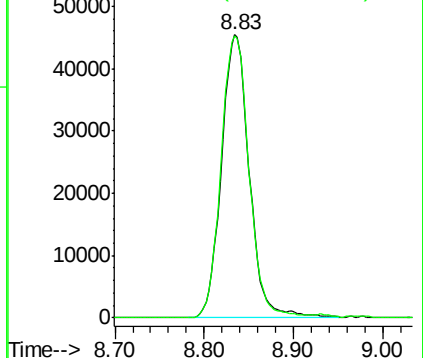
130 100

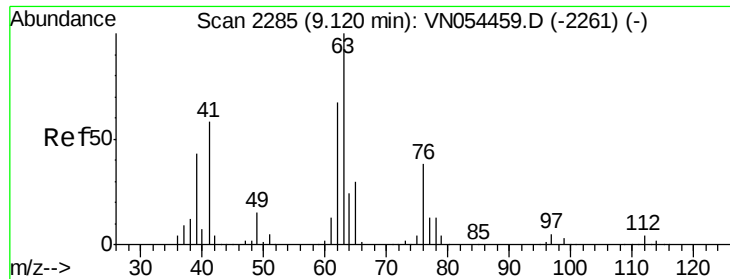
95 99.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 21.931 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

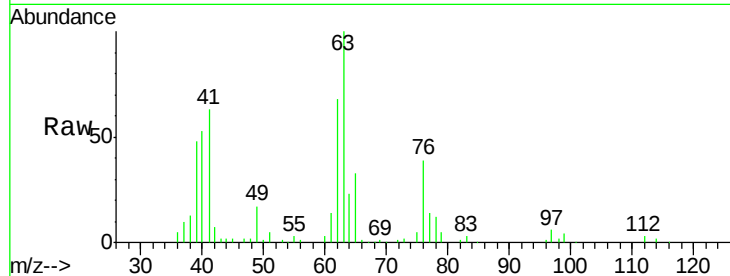
VN0323MBS01

Tot Ion: 63 Resp: 107050

Ion Ratio Lower Upper

63 100

65 32.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

30000

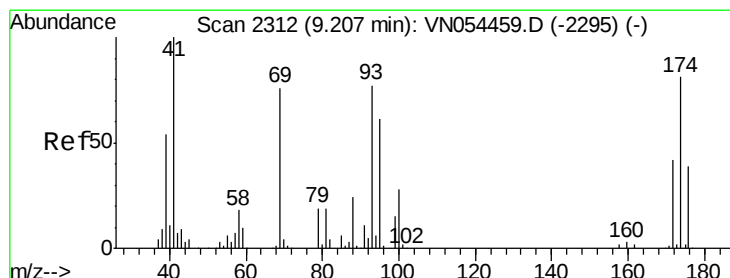
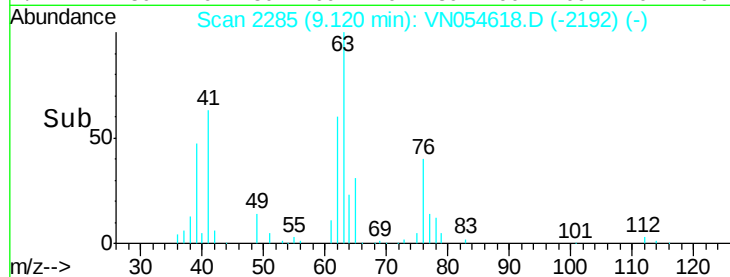
20000

10000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 20.707 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

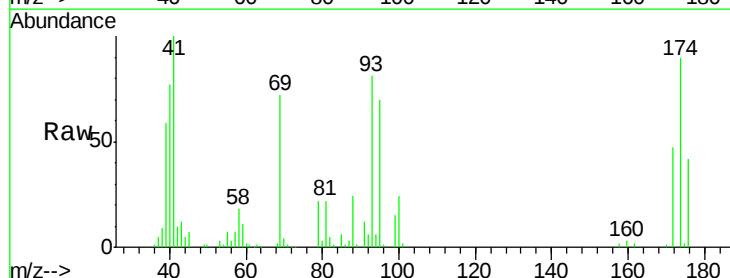
Tgt Ion: 93 Resp: 60300

Ion Ratio Lower Upper

93 100

95 86.1 66.7 100.1

174 105.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

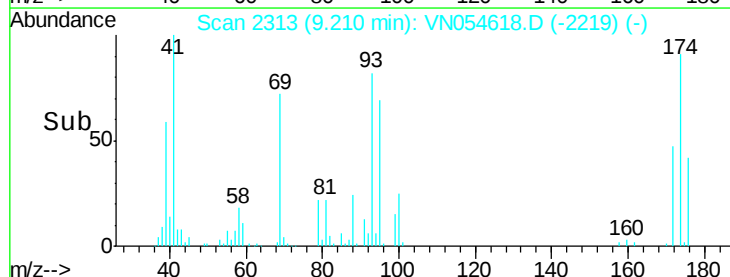
20000

10000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 21.349 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

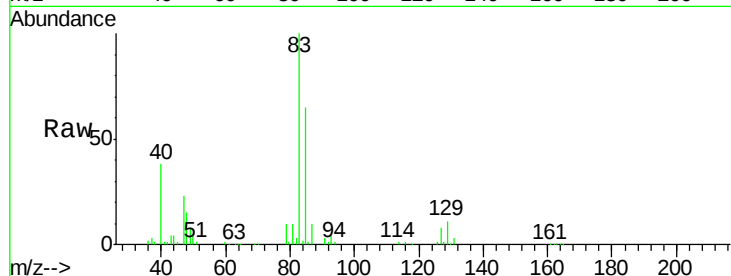
Tot Ion: 83 Resp: 129021

Ion Ratio Lower Upper

83 100

85 65.3 52.8 79.2

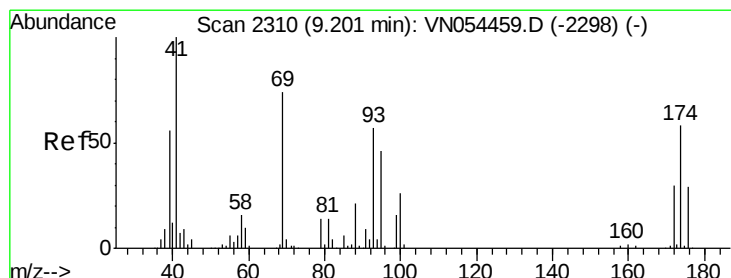
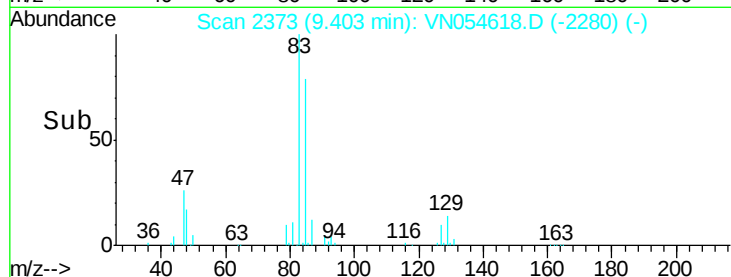
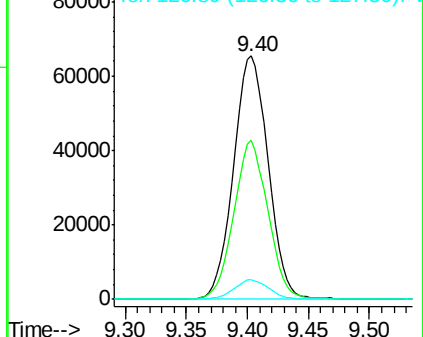
127 8.2 7.4 11.2



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: 20.982 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

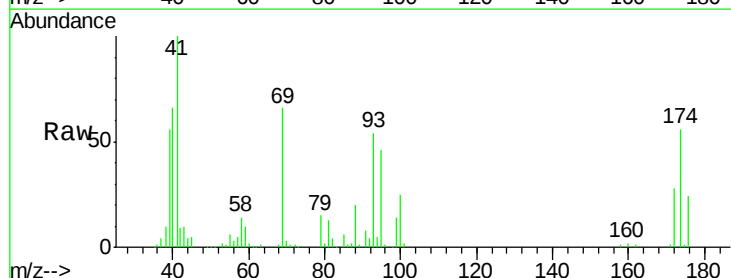
Tgt Ion: 41 Resp: 86960

Ion Ratio Lower Upper

41 100

69 73.5 72.6 108.8

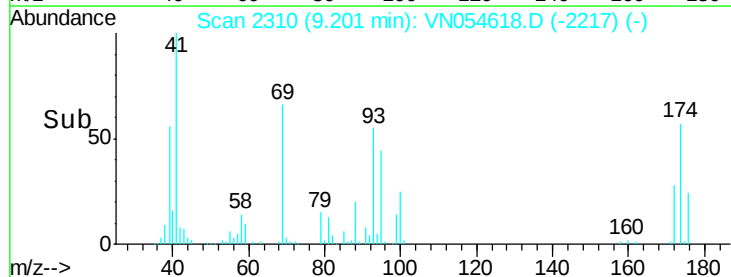
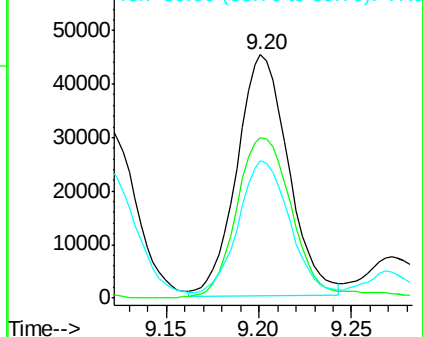
39 55.7 47.5 71.3

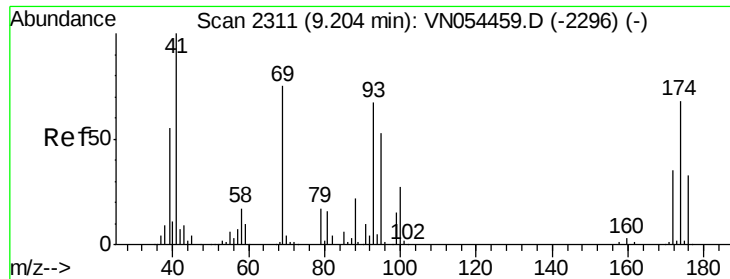


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 432.978 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

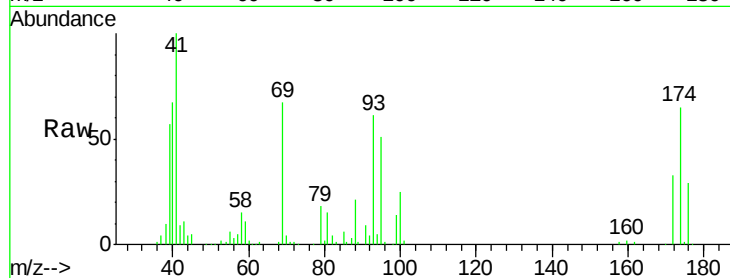
Tot Ion: 88 Resp: 20061

Ion Ratio Lower Upper

88 100

43 41.6 24.1 36.1#

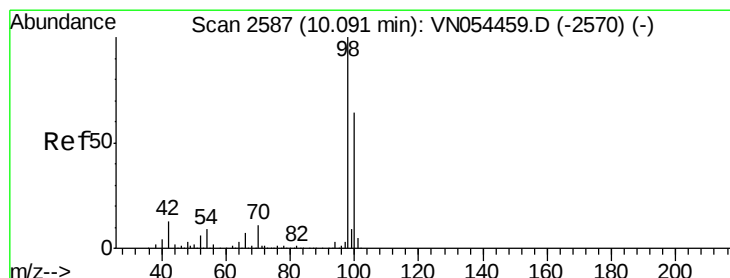
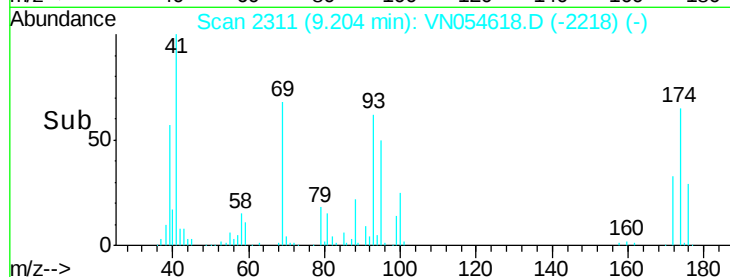
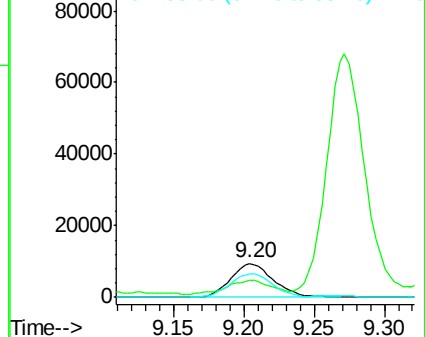
58 70.3 50.8 76.2



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: 49.521 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054618.D

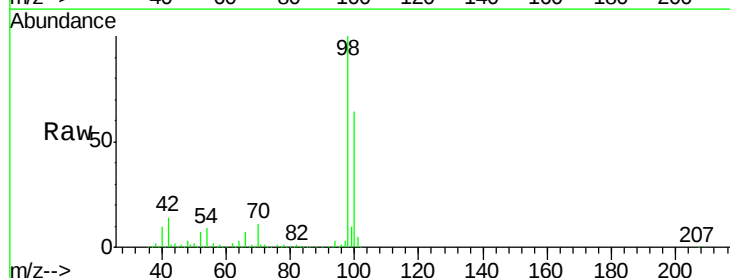
Acq: 23 Mar 2019 22:23

Tgt Ion: 98 Resp: 815440

Ion Ratio Lower Upper

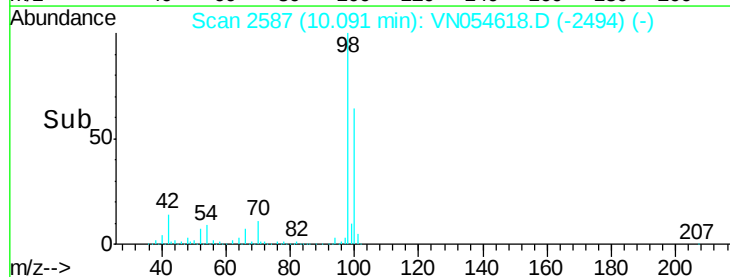
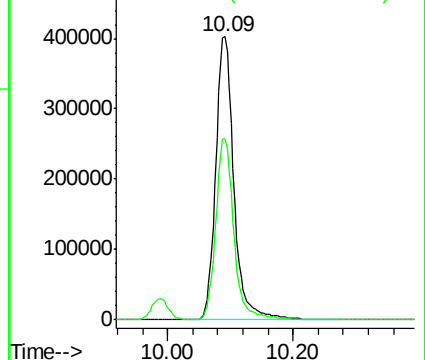
98 100

100 63.6 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: 111.911 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

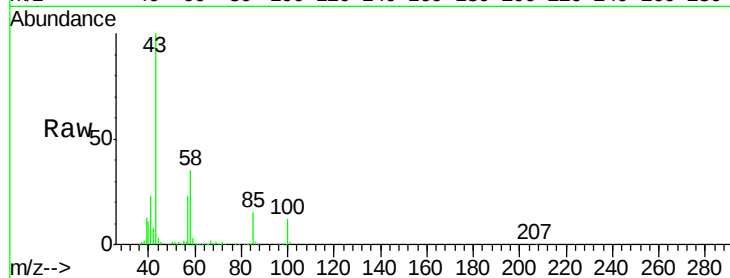
VN0323MBS01

Tot Ion: 43 Resp: 473586

Ion Ratio Lower Upper

43 100

58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

150000

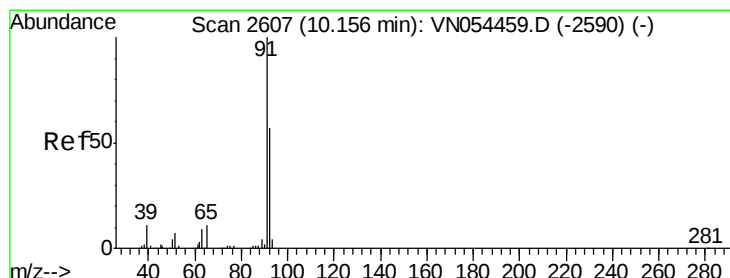
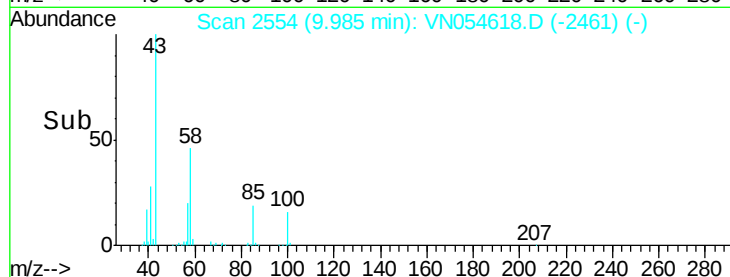
100000

50000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 19.667 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054618.D

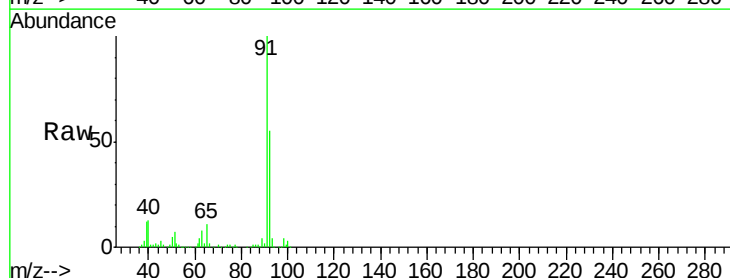
Acq: 23 Mar 2019 22:23

Tgt Ion: 92 Resp: 219886

Ion Ratio Lower Upper

92 100

91 179.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

150000

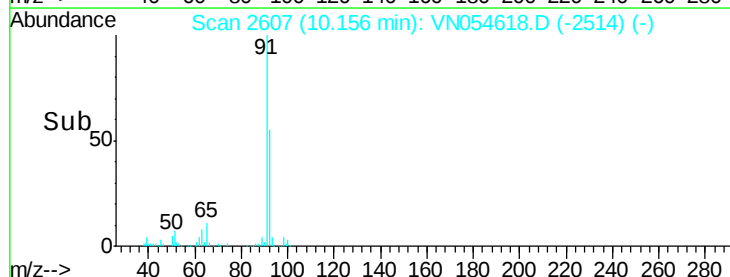
100000

50000

0

Time-->

10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 18.901 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

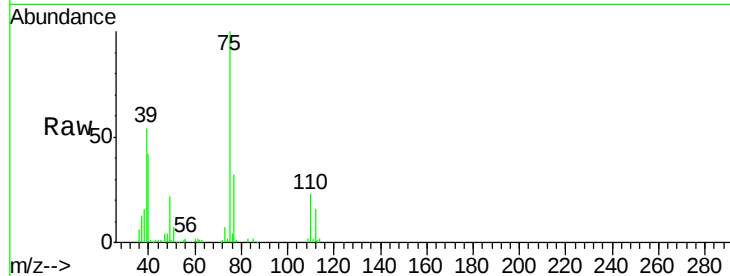
VN0323MBS01

Tot Ion: 75 Resp: 111233

Ion Ratio Lower Upper

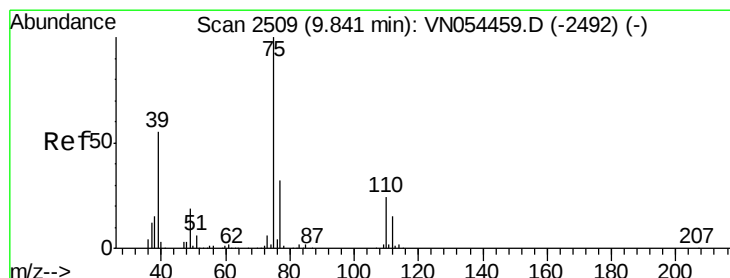
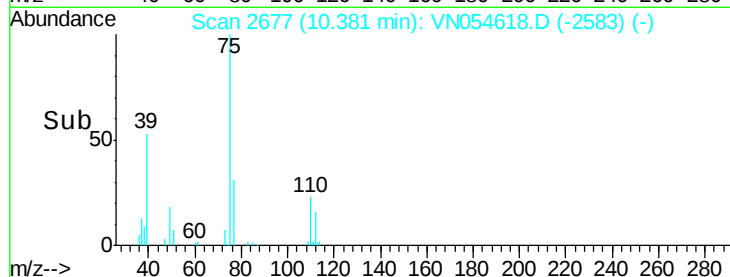
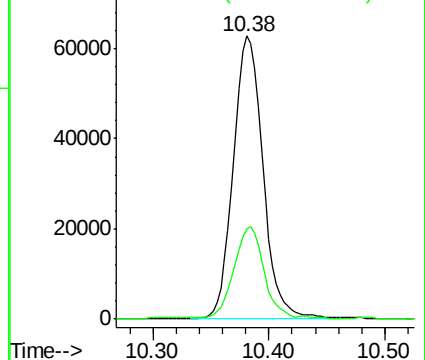
75 100

77 31.5 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.855 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

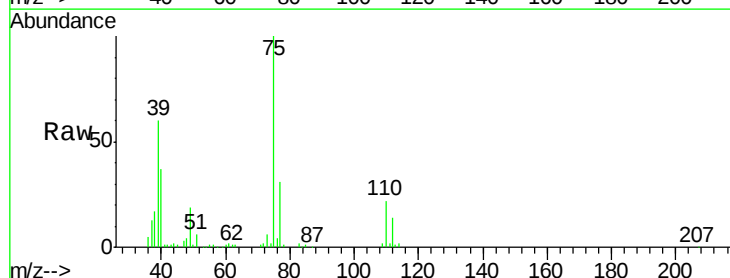
Tgt Ion: 75 Resp: 137584

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

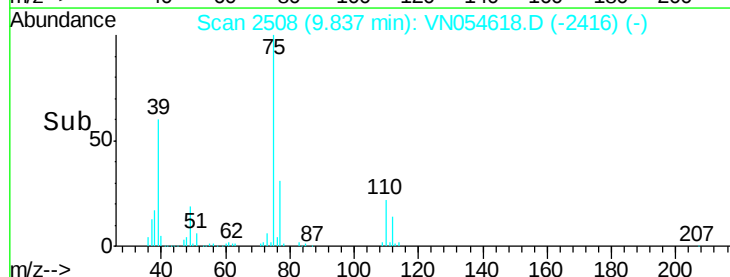
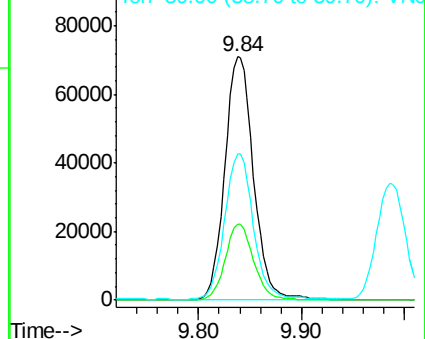
39 59.4 37.2 55.8#

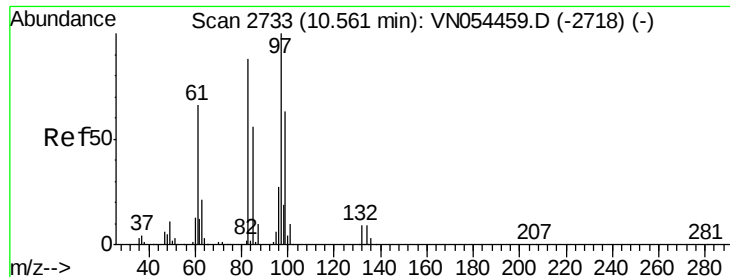


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

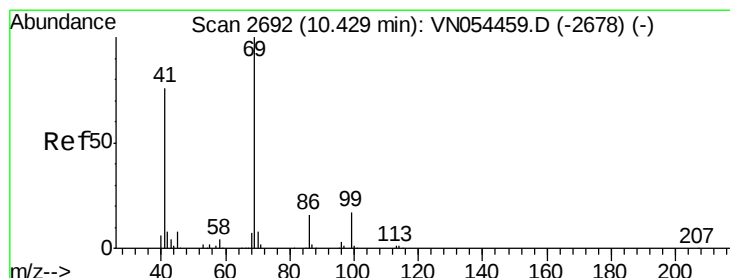
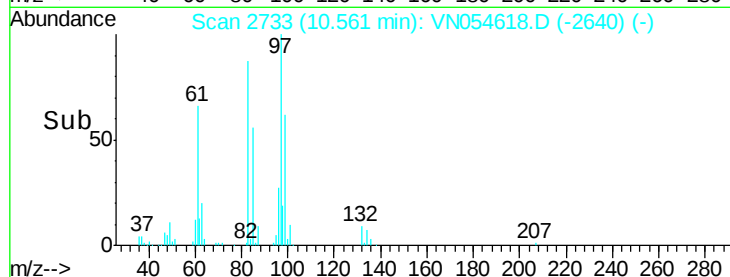
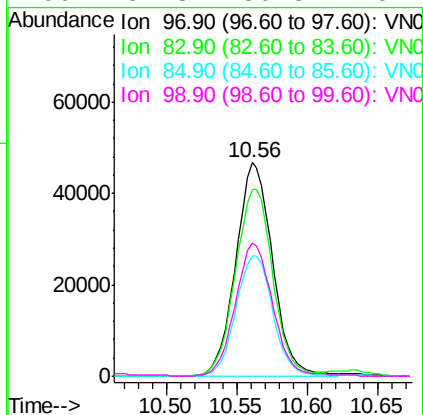
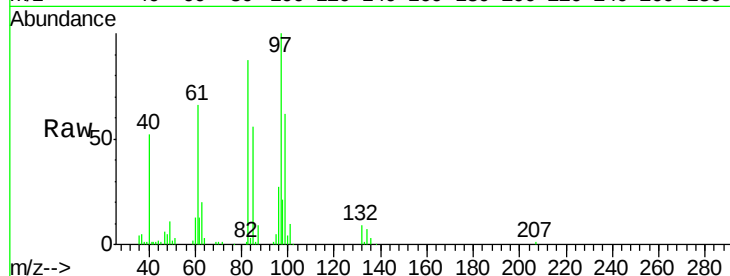




#55
 1,1,2-Trichloroethane
 Concen: 21.294 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

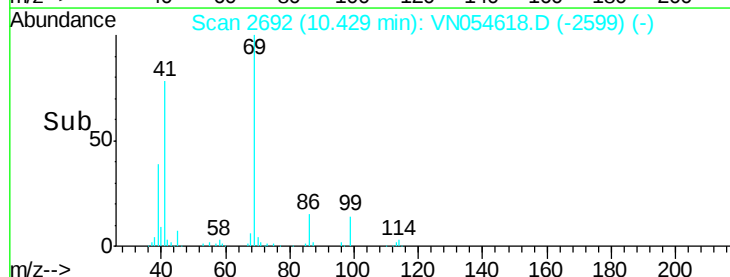
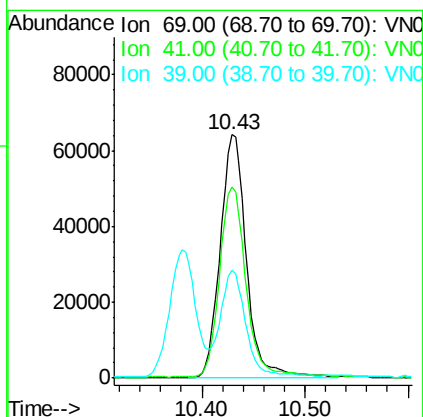
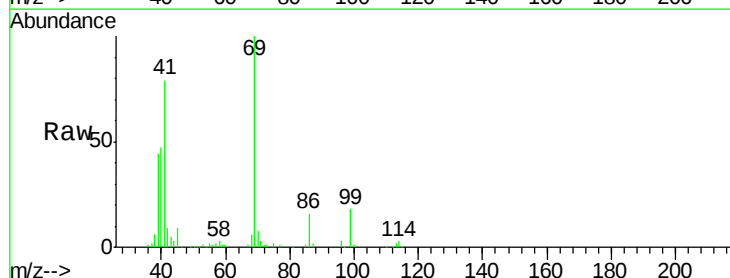
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

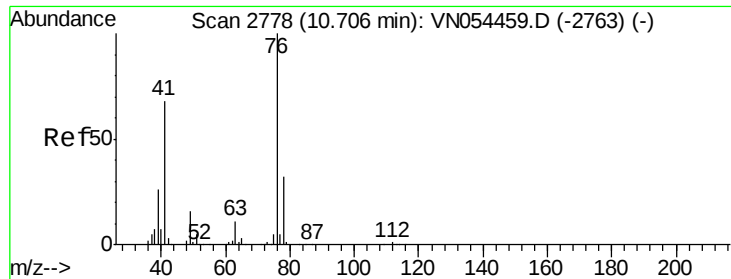
Tot Ion: 97 Resp: 85579
 Ion Ratio Lower Upper
 97 100
 83 87.2 66.6 100.0
 85 56.1 44.4 66.6
 99 62.3 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 21.138 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 69 Resp: 114026
 Ion Ratio Lower Upper
 69 100
 41 77.9 49.4 74.2#
 39 41.9 28.3 42.5

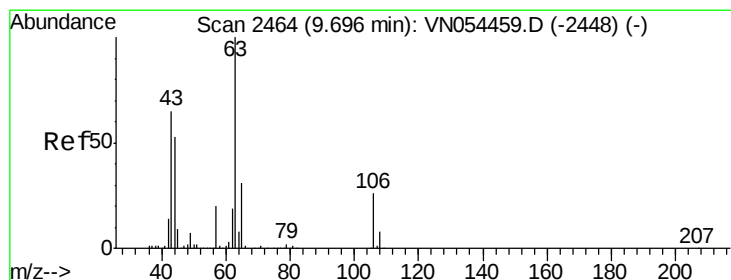
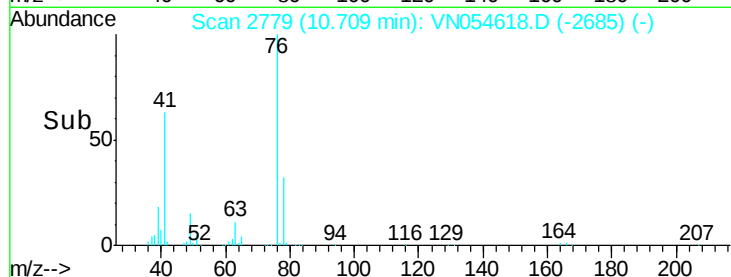
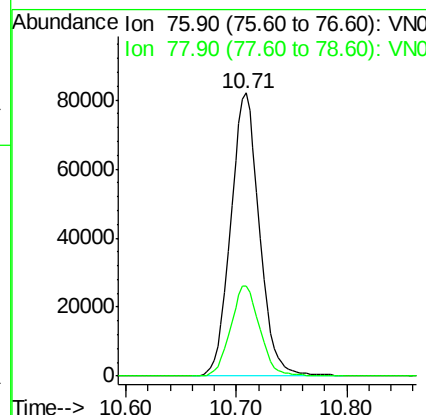
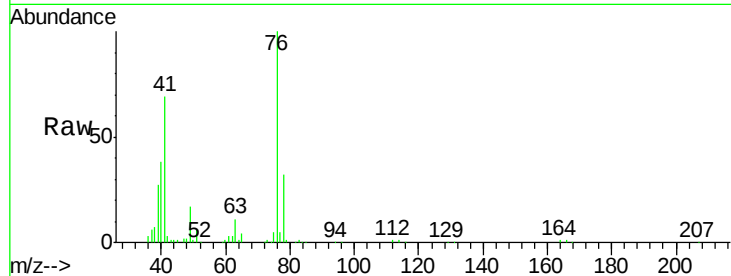




#57
 1,3-Dichloropropane
 Concen: 21.185 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

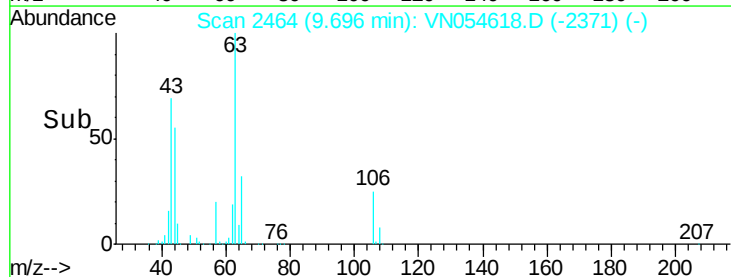
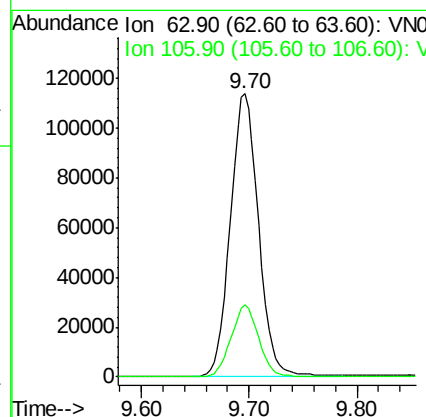
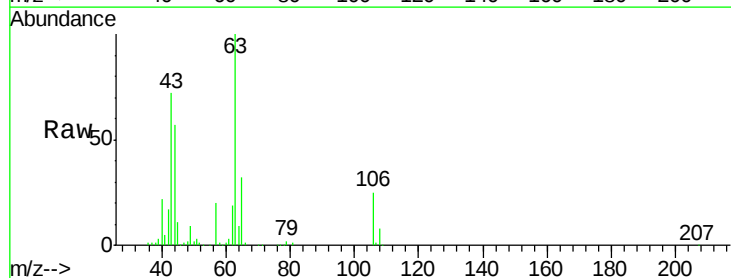
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

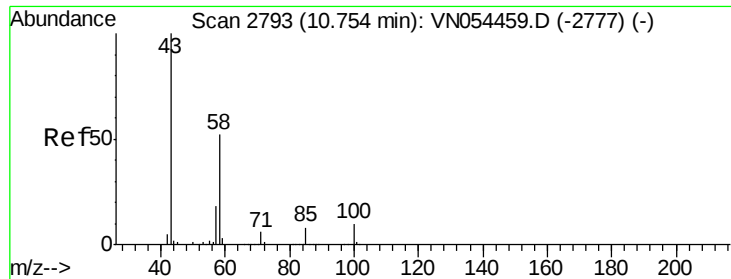
Tot Ion: 76 Resp: 148004
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.682 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 63 Resp: 208090
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6

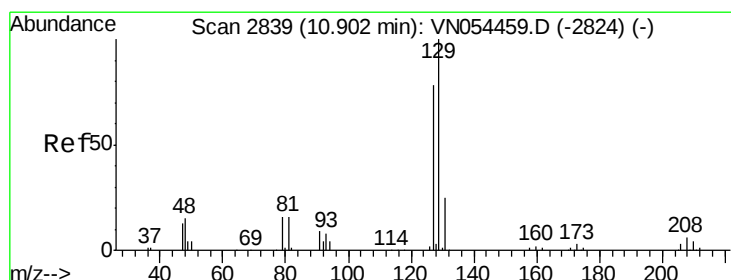
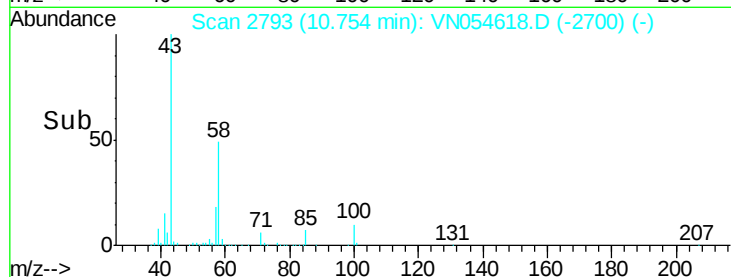
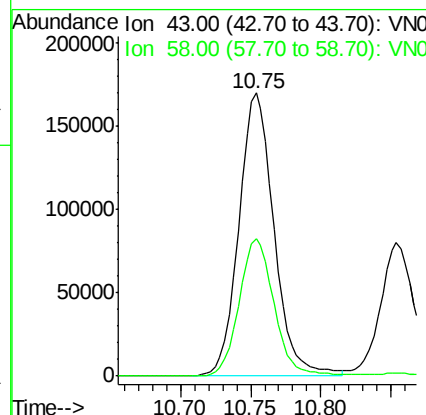
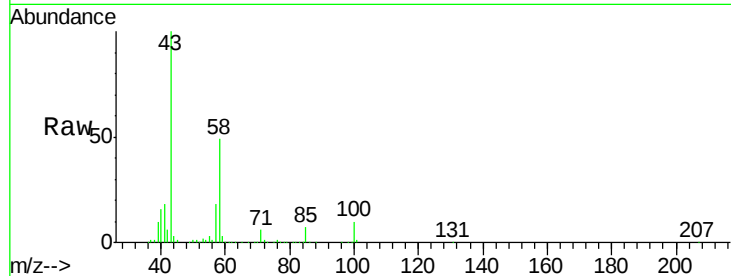




#59
2-Hexanone
Concen: 106.326 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

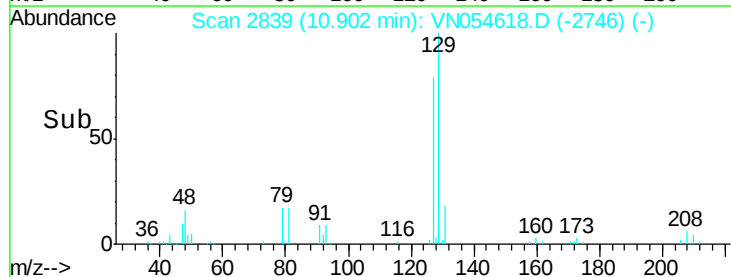
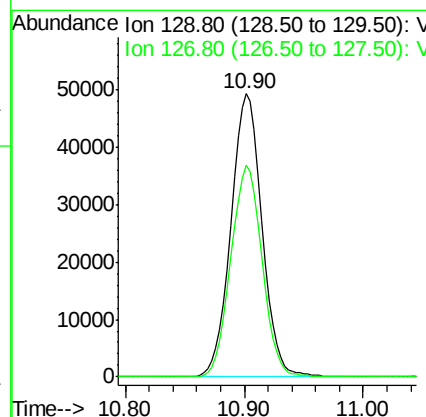
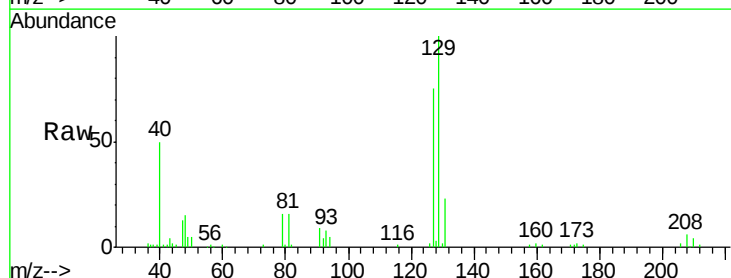
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

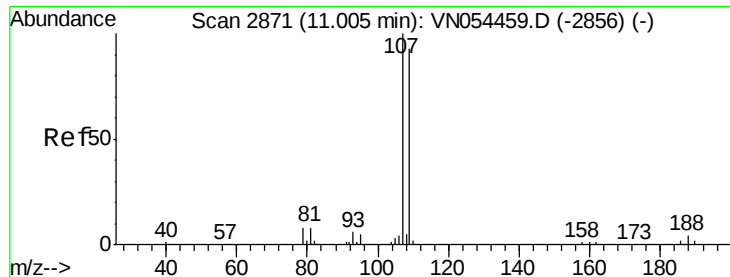
Tot Ion: 43 Resp: 293903
Ion Ratio Lower Upper
43 100
58 49.2 28.0 83.9



#60
Dibromochloromethane
Concen: 20.808 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 129 Resp: 88987
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.495 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

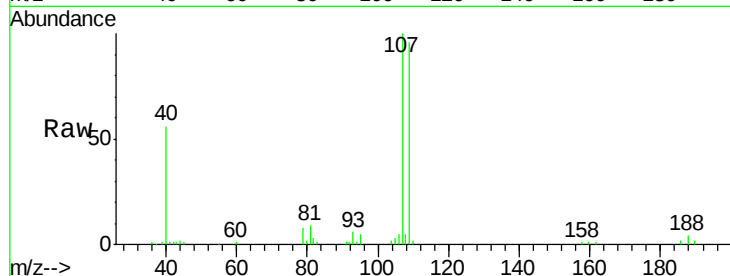
VN0323MBS01

Tot Ion:107 Resp: 81431

Ion Ratio Lower Upper

107 100

109 94.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

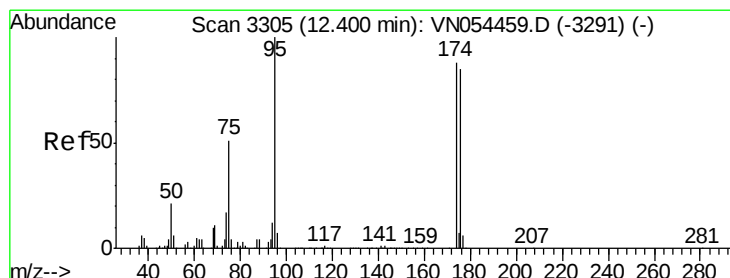
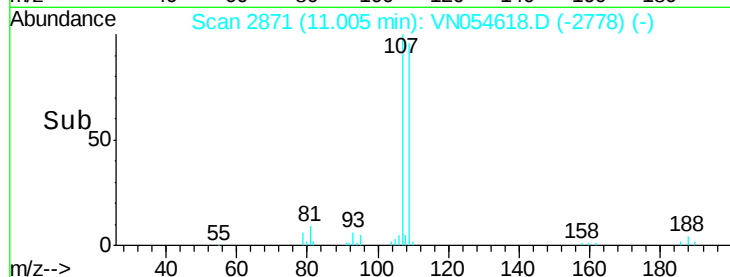
20000

10000

0

Time-->

10.95 11.00 11.05 11.10



#62

4-Bromofluorobenzene

Concen: 48.316 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

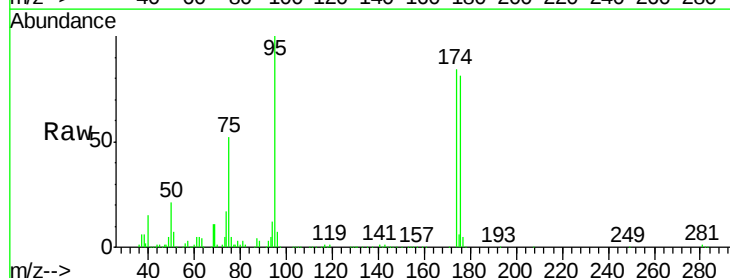
Tgt Ion: 95 Resp: 270733

Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

176 81.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

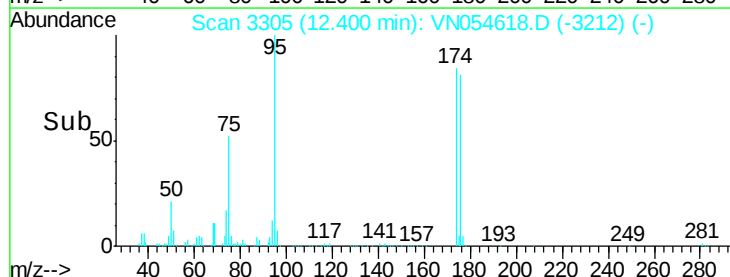
100000

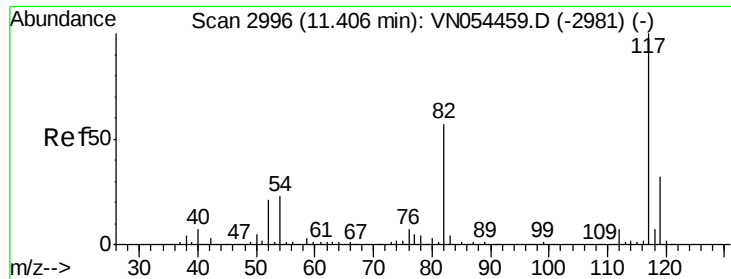
50000

0

Time-->

12.30 12.40 12.50

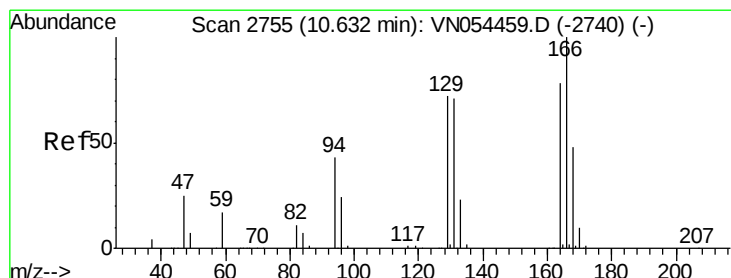
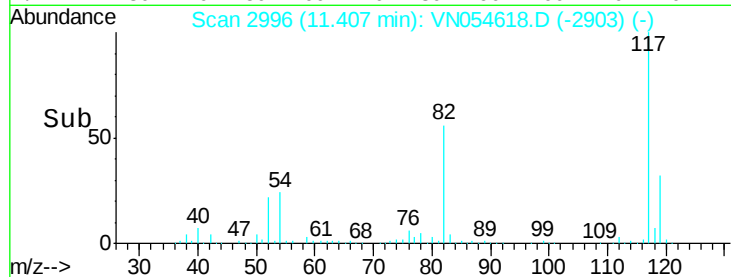
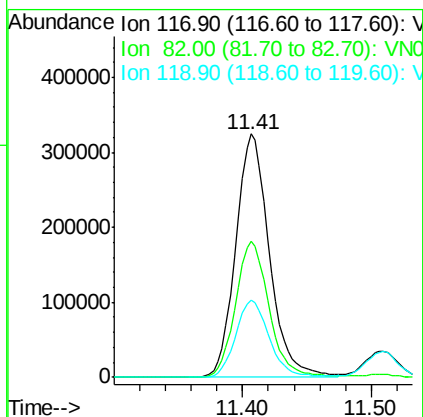
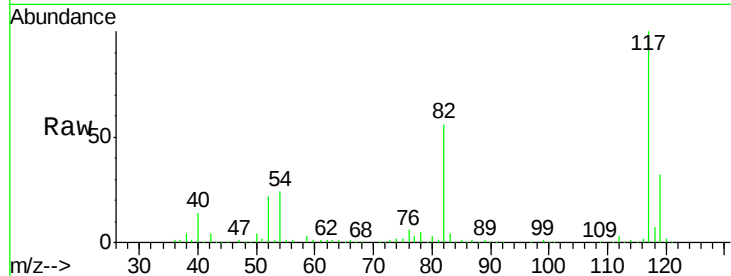




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

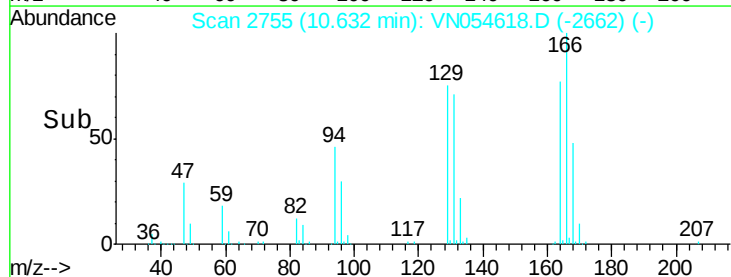
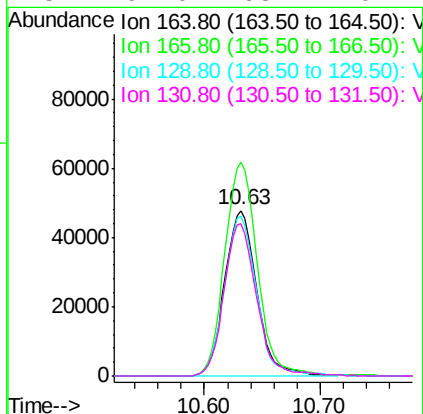
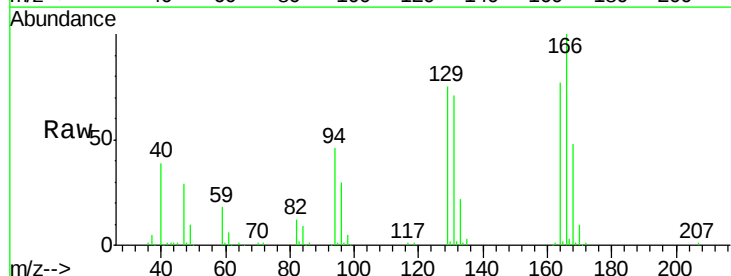
Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

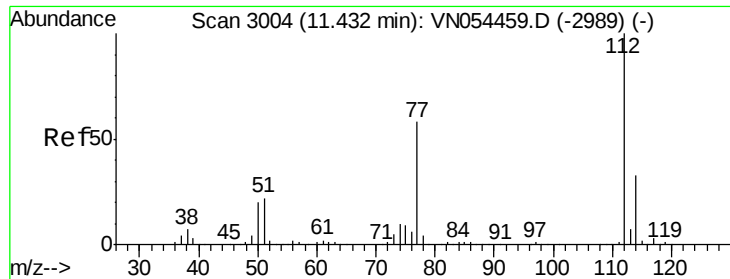
Tot Ion:117 Resp: 588923
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 18.782 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:164 Resp: 91750
Ion Ratio Lower Upper
164 100
166 129.3 103.9 155.9
129 97.2 71.1 106.7
131 92.0 68.2 102.4

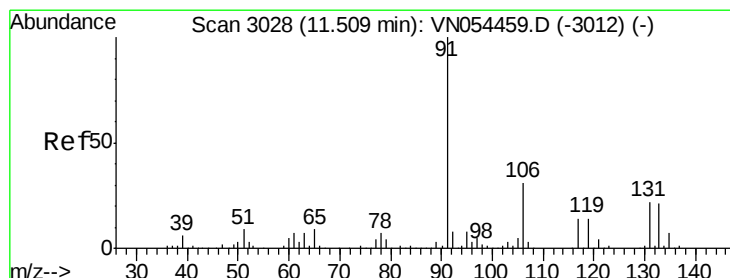
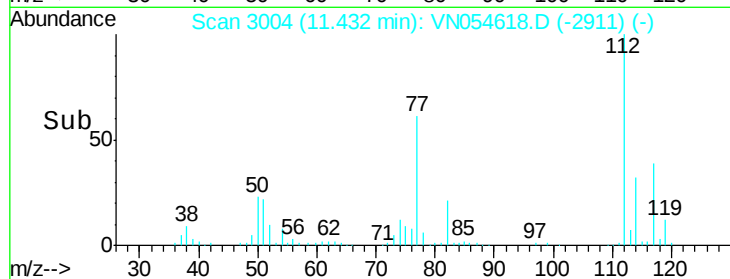
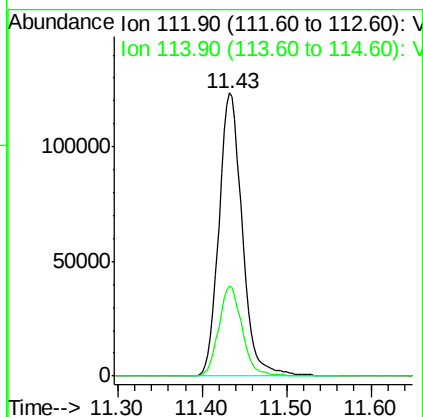
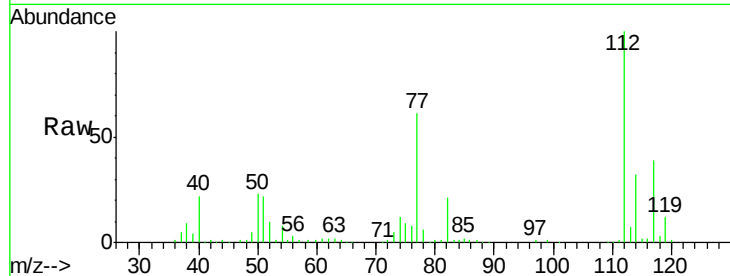




#65
Chlorobenzene
Concen: 19.800 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

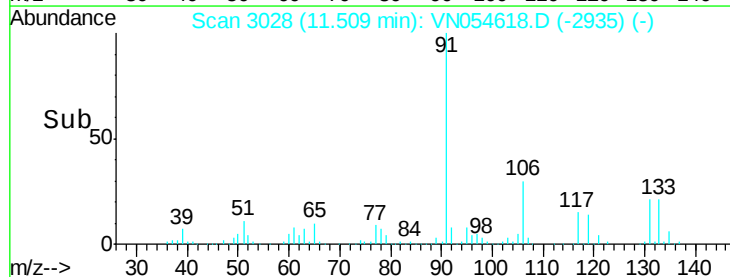
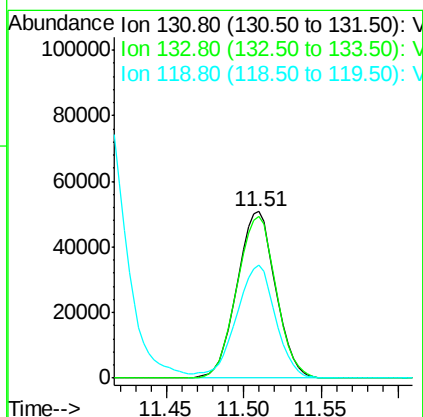
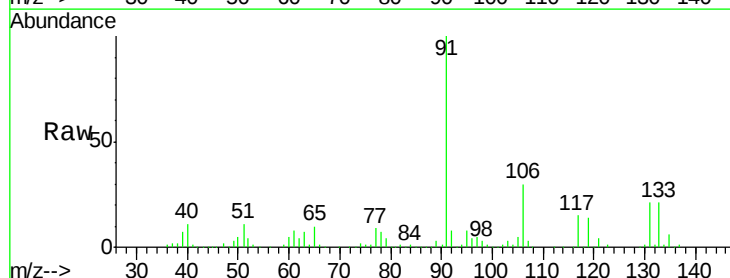
Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

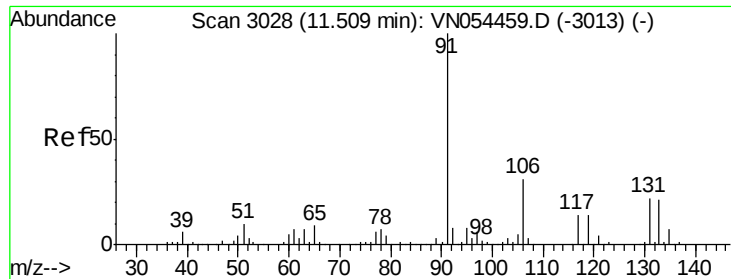
Tot Ion:112 Resp: 237164
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.492 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:131 Resp: 88100
Ion Ratio Lower Upper
131 100
133 98.5 47.6 142.9
119 69.1 32.4 97.0

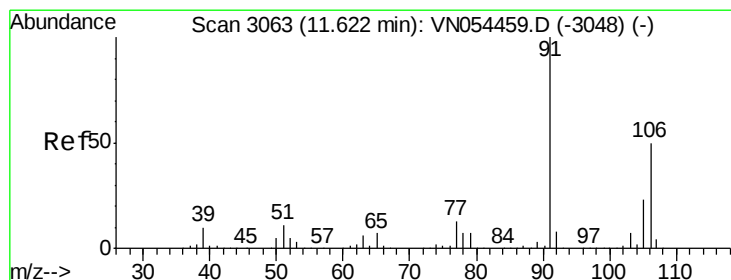
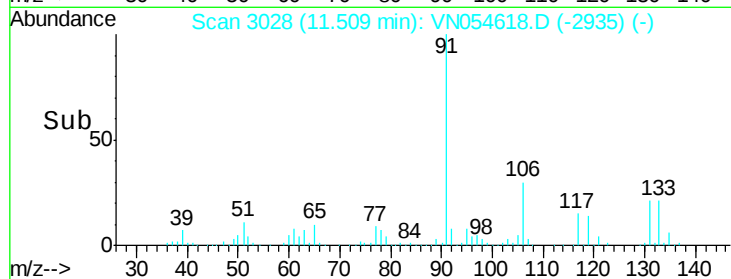
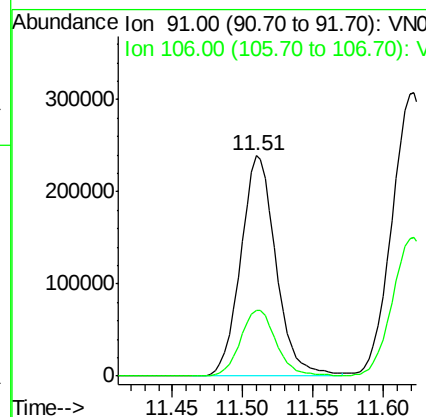
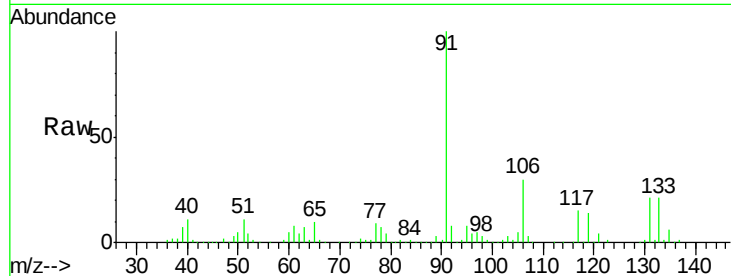




#67
Ethyl Benzene
Concen: 19.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

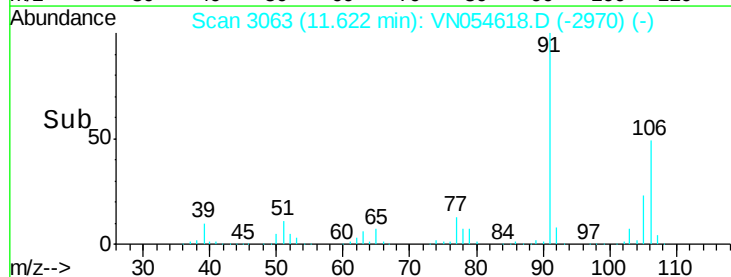
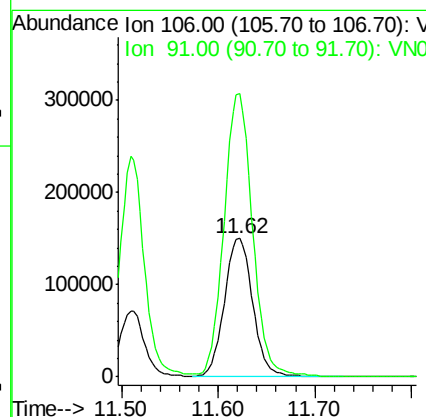
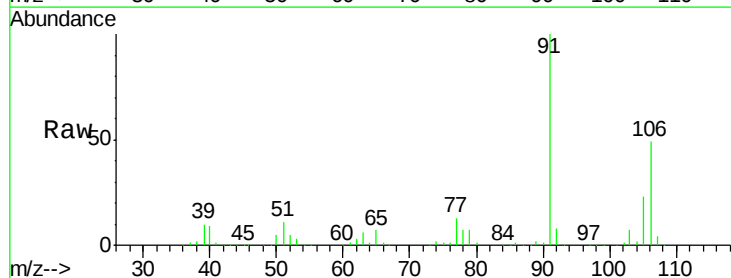
Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

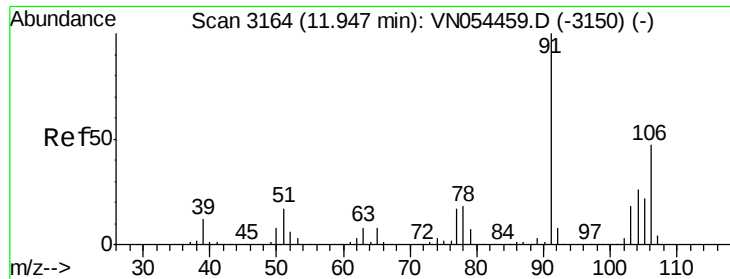
Tot Ion: 91 Resp: 419508
Ion Ratio Lower Upper
91 100
106 29.8 25.5 38.3



#68
m/p-Xylenes
Concen: 38.457 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion: 106 Resp: 308208
Ion Ratio Lower Upper
106 100
91 205.1 159.4 239.2

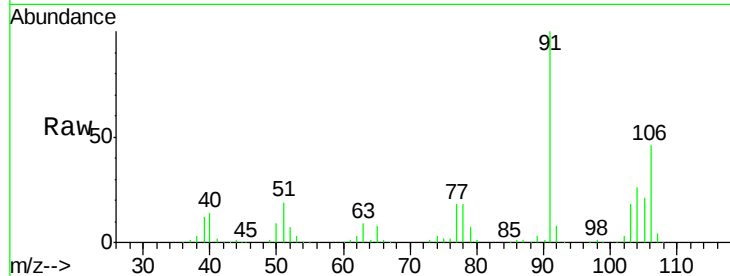




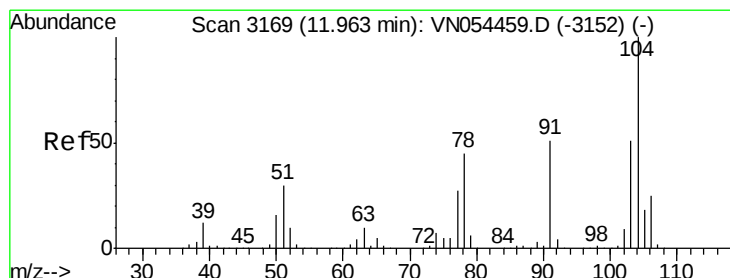
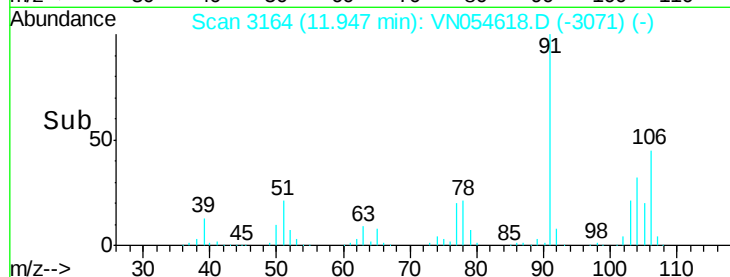
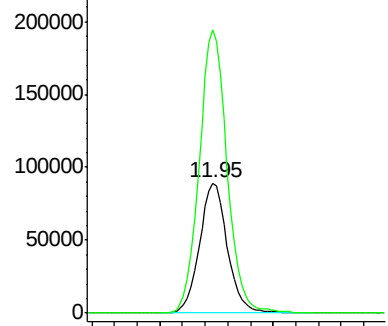
#69
o-Xylene
Concen: 19.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

Tot Ion:106 Resp: 152746
Ion Ratio Lower Upper
106 100
91 217.0 105.7 317.1

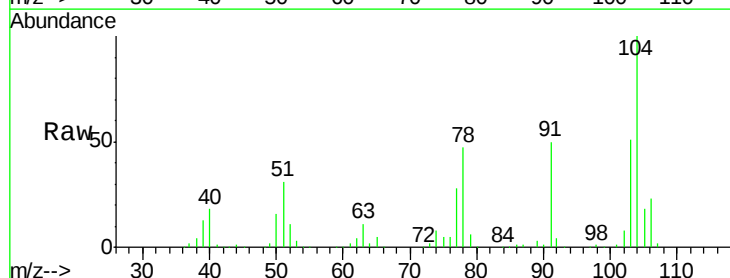


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

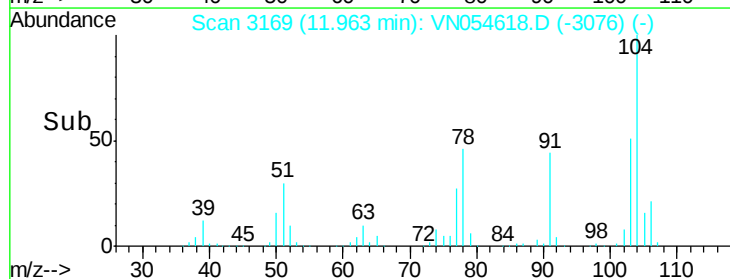
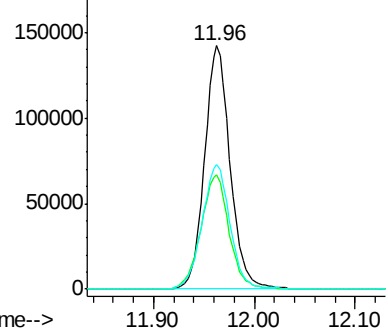


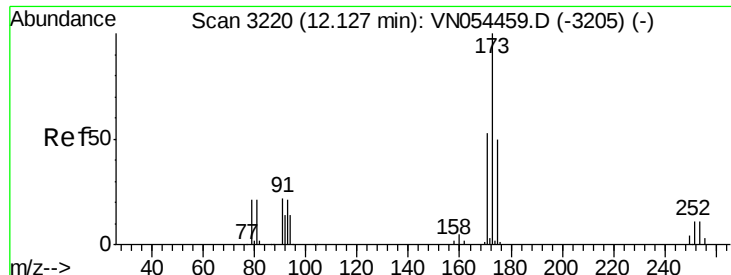
#70
Styrene
Concen: 19.754 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:104 Resp: 251076
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

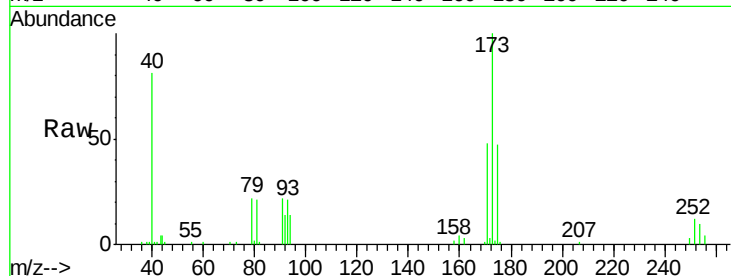




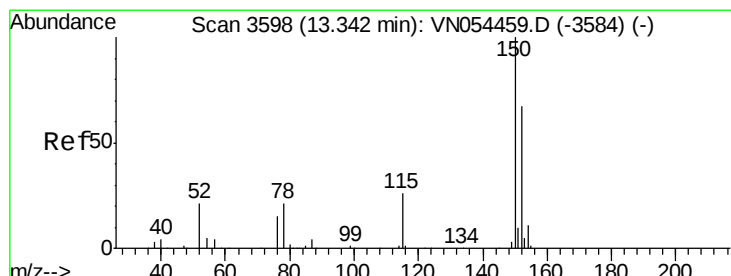
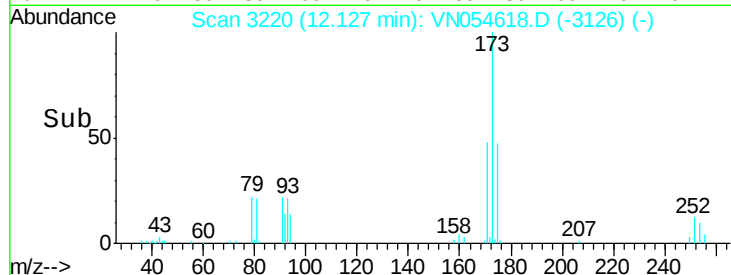
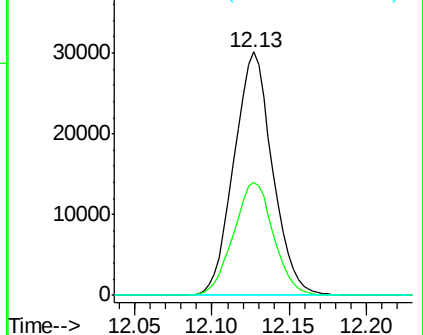
#71
Bromoform
Concen: 19.015 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Instrument :
MSVOA_N
ClientSampleId :
VN0323MBS01

Tot Ion:173 Resp: 52094
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.2
254 0.0 0.1 0.1#

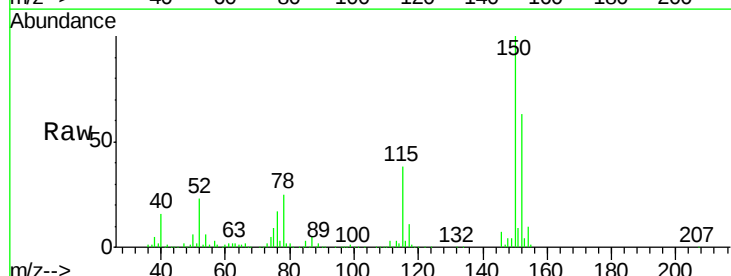


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

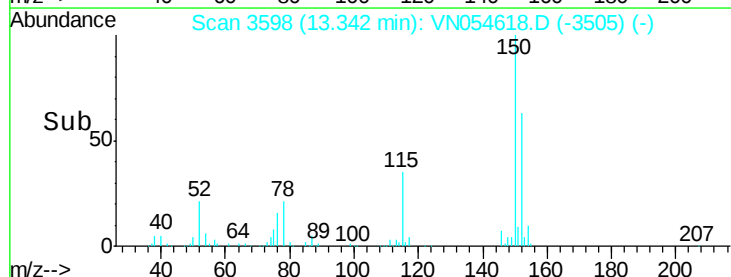
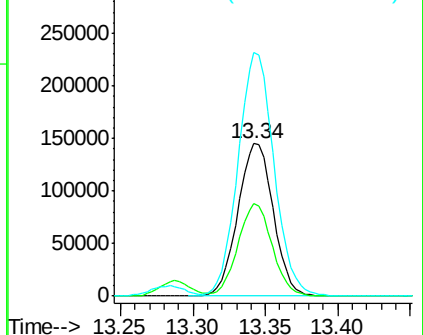


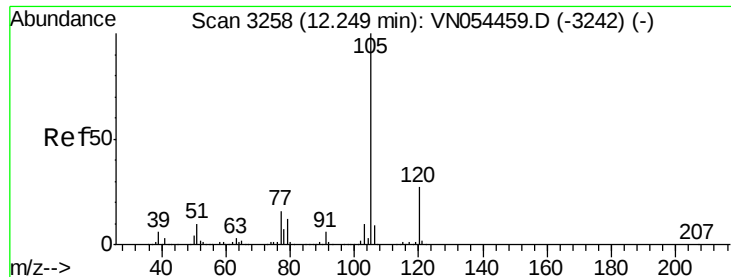
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:152 Resp: 246571
Ion Ratio Lower Upper
152 100
115 58.5 27.2 81.6
150 162.0 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: 20.017 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

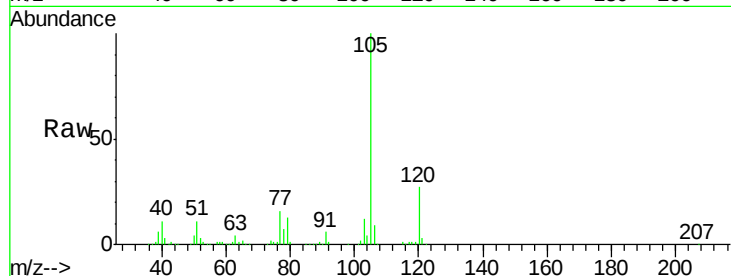
VN0323MBS01

Tot Ion:105 Resp: 397732

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

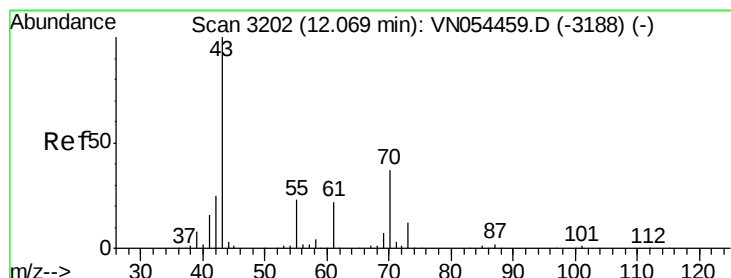
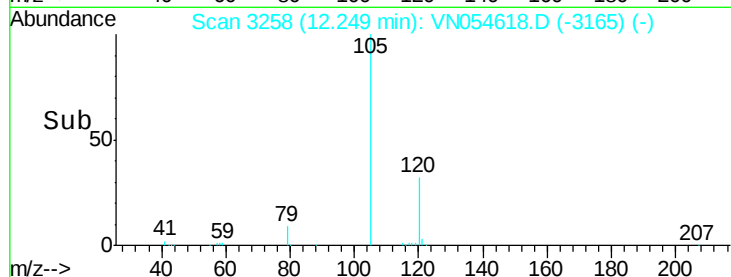
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 22.901 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Tgt Ion: 43 Resp: 130833

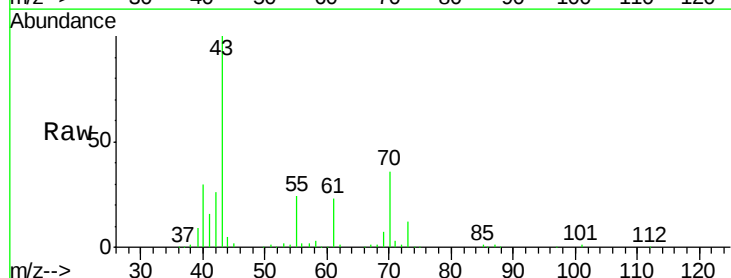
Ion Ratio Lower Upper

43 100

70 36.4 35.4 53.0

55 23.6 19.8 29.6

61 22.9 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

80000

60000

40000

20000

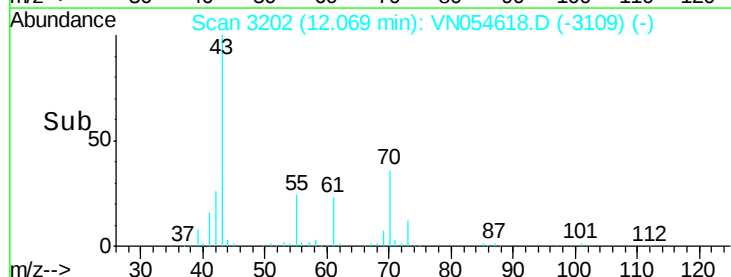
0

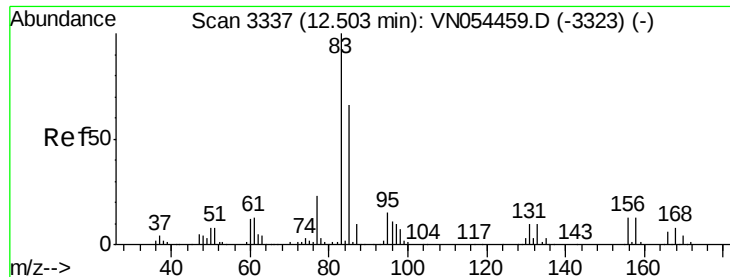
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.947 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

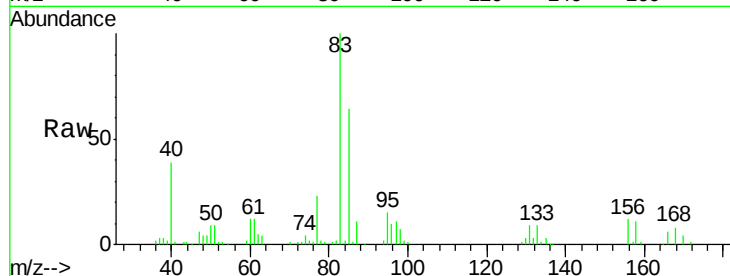
Tot Ion: 83 Resp: 104079

Ion Ratio Lower Upper

83 100

131 10.4 5.8 17.4

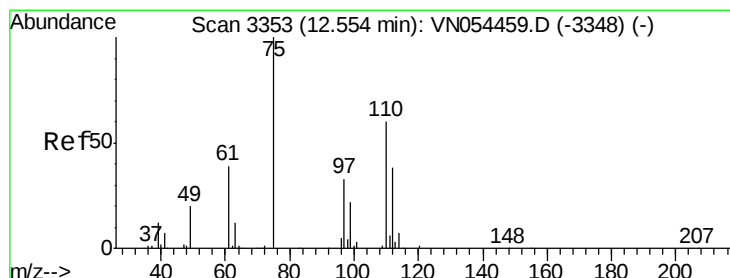
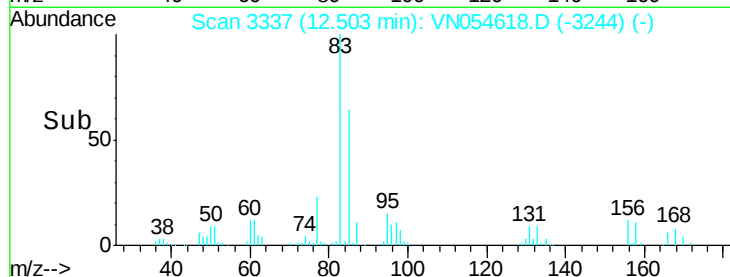
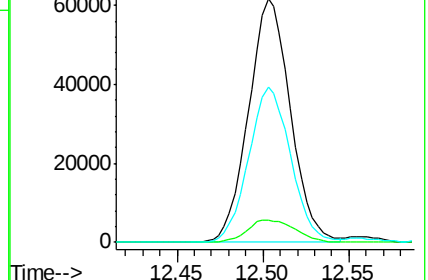
85 64.1 32.2 96.6



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: 30.770 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054618.D

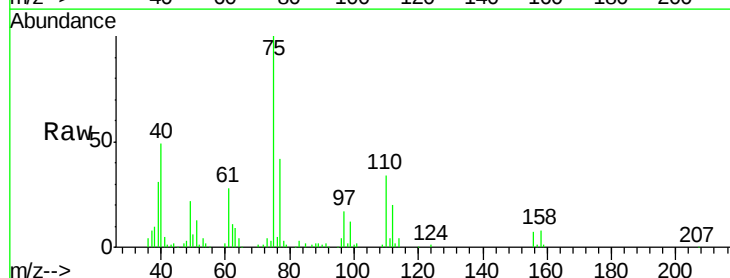
Acq: 23 Mar 2019 22:23

Tgt Ion: 75 Resp: 120394

Ion Ratio Lower Upper

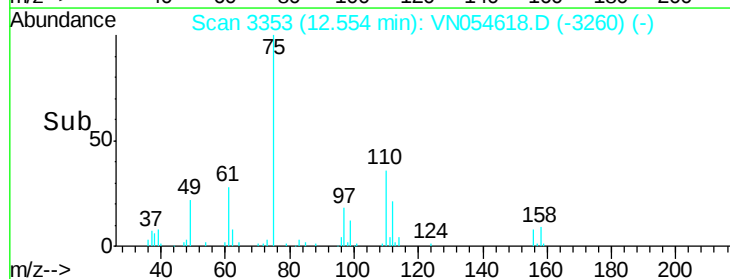
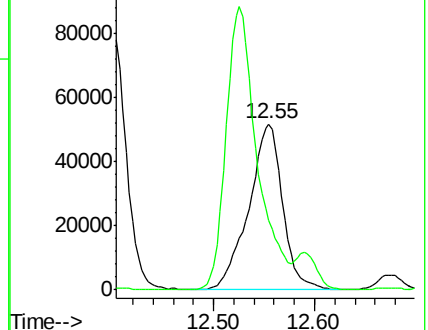
75 100

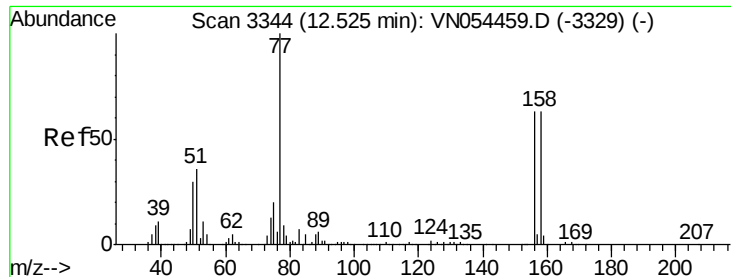
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.138 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

VN0323MBS01

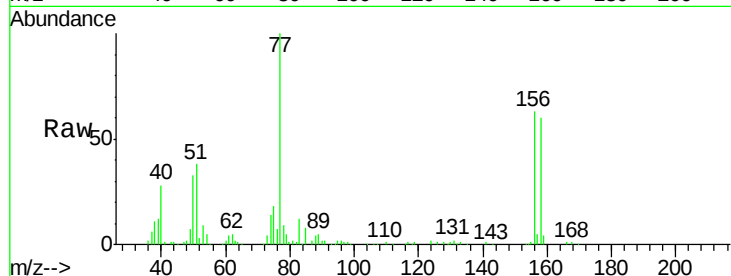
Tot Ion:156 Resp: 99237

Ion Ratio Lower Upper

156 100

77 192.0 81.5 244.4

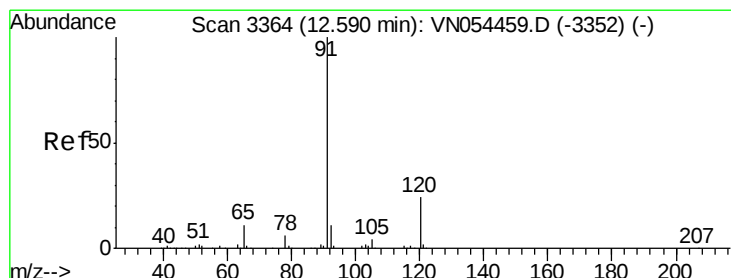
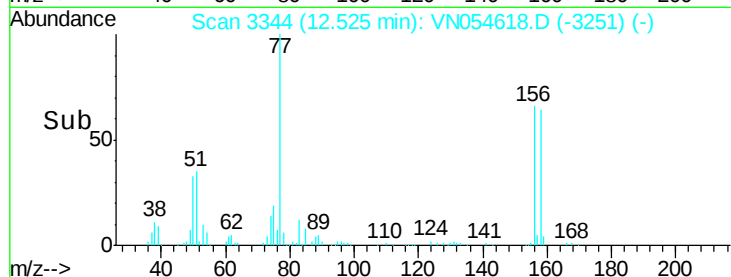
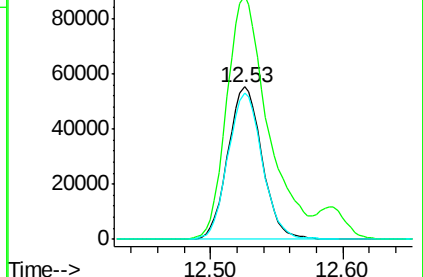
158 96.4 49.0 147.2



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: 20.024 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054618.D

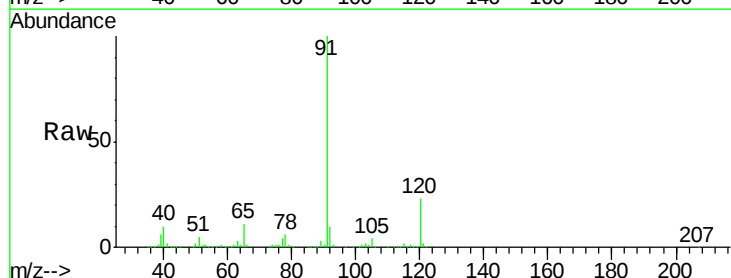
Acq: 23 Mar 2019 22:23

Tgt Ion: 91 Resp: 431422

Ion Ratio Lower Upper

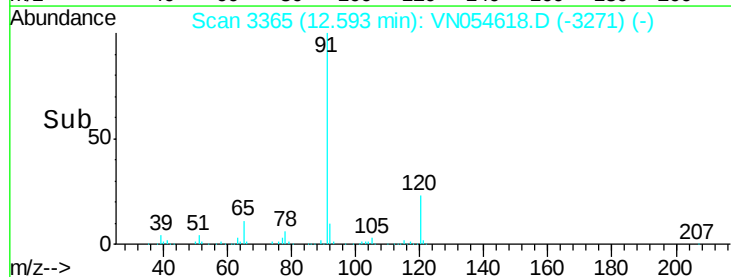
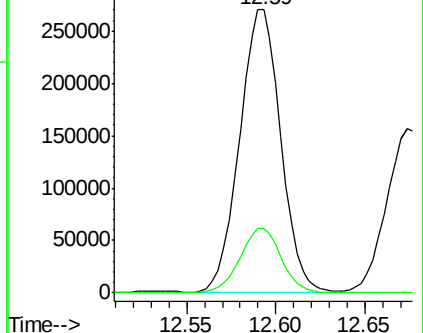
91 100

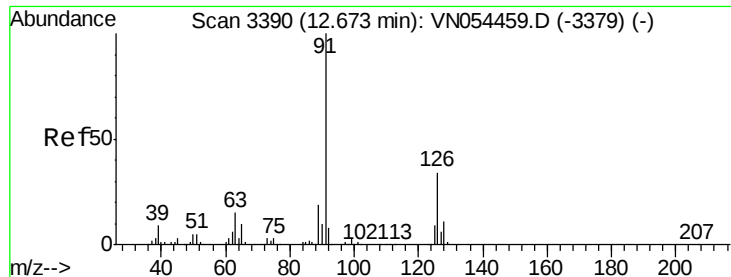
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.991 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

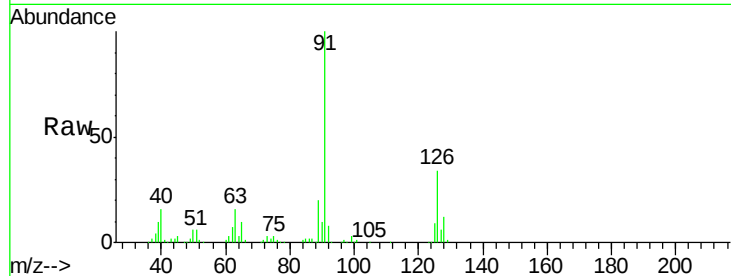
VN0323MBS01

Tot Ion: 91 Resp: 268595

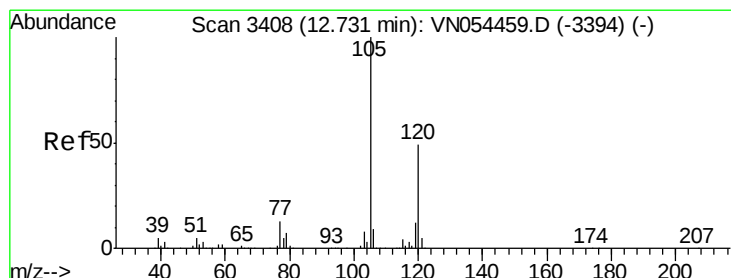
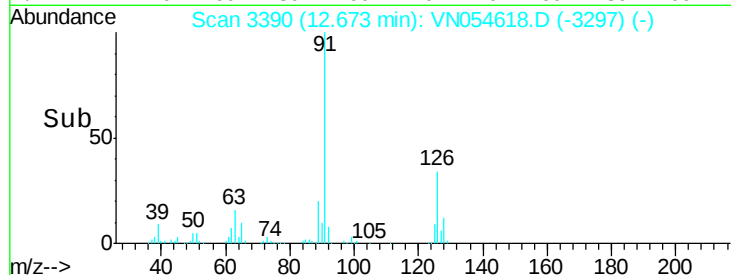
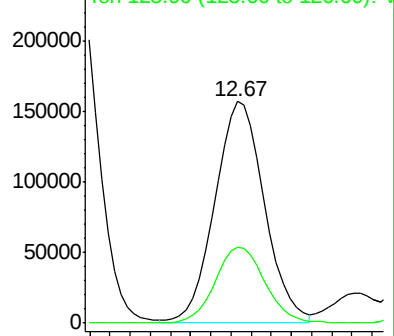
Ion Ratio Lower Upper

91 100

126 34.9 18.7 56.1



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



#80

1,3,5-Trimethylbenzene

Concen: 20.082 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054618.D

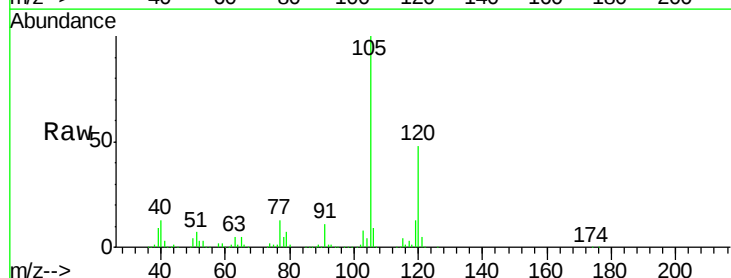
Acq: 23 Mar 2019 22:23

Tgt Ion: 105 Resp: 327023

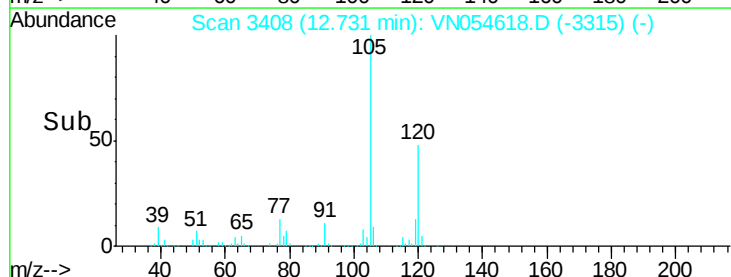
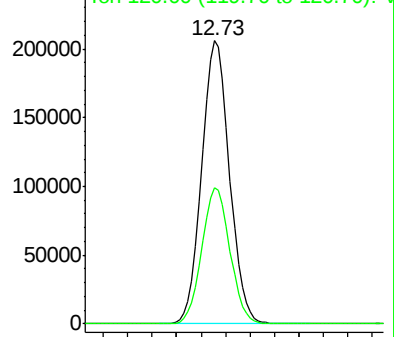
Ion Ratio Lower Upper

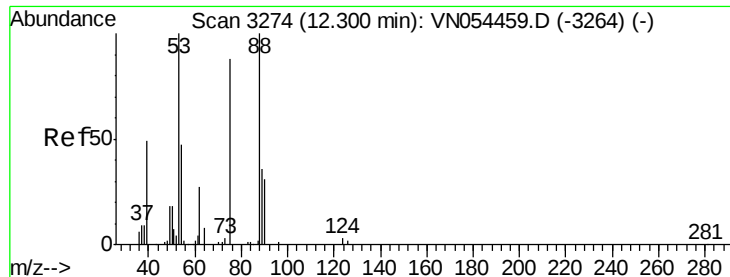
105 100

120 48.6 25.0 75.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.259 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

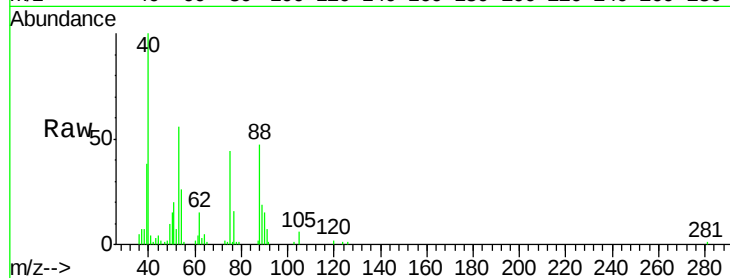
Tot Ion: 75 Resp: 18284

Ion Ratio Lower Upper

75 100

53 134.4 76.2 114.2#

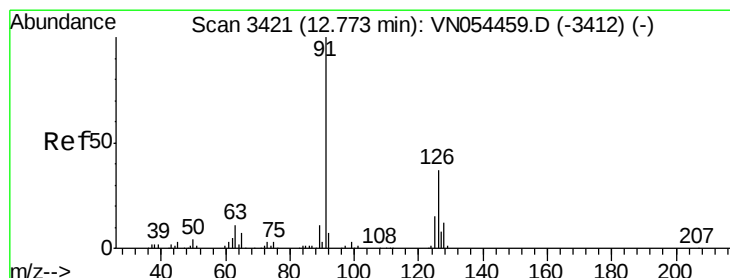
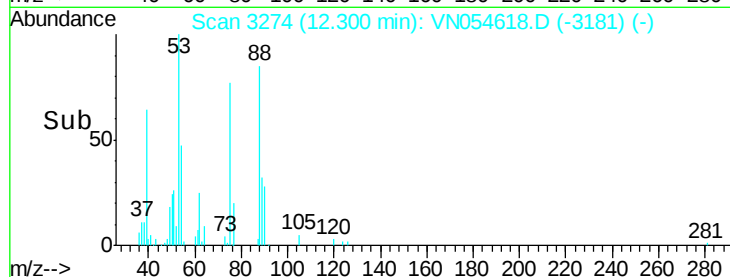
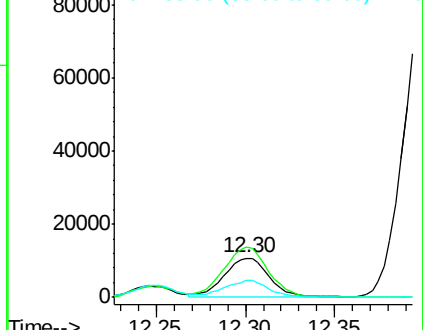
89 44.2 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.107 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054618.D

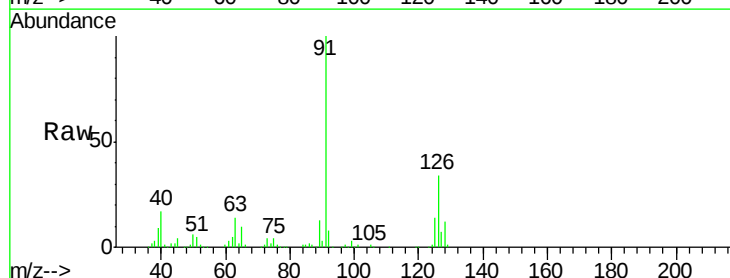
Acq: 23 Mar 2019 22:23

Tgt Ion: 91 Resp: 261860

Ion Ratio Lower Upper

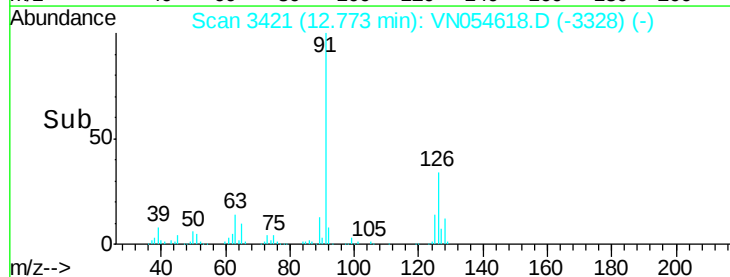
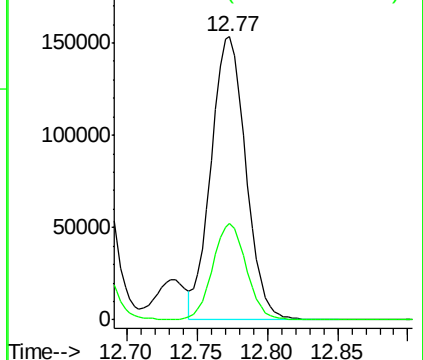
91 100

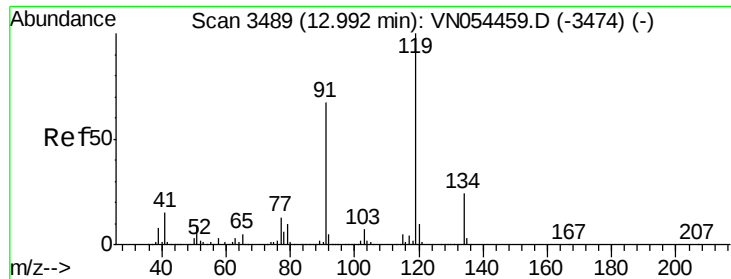
126 33.0 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

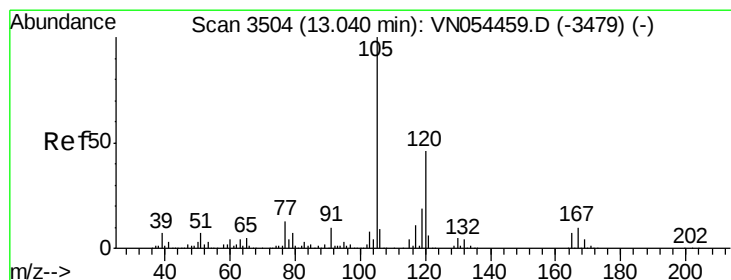
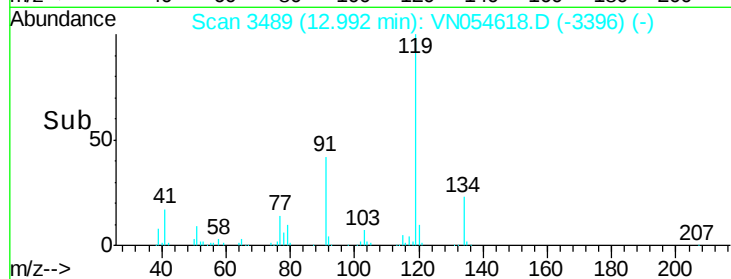
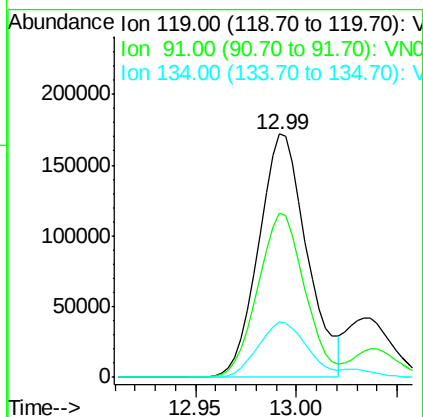
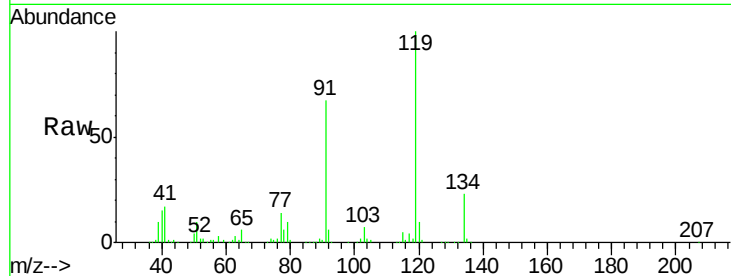




#83
tert-Butylbenzene
Concen: 20.211 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

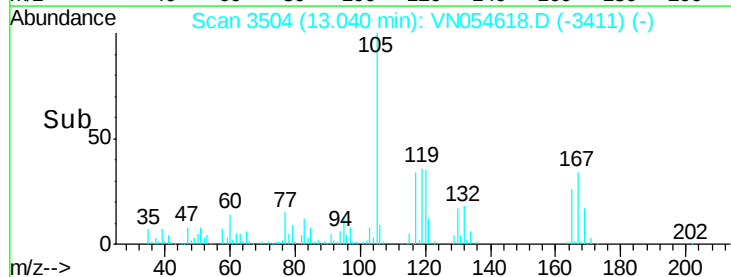
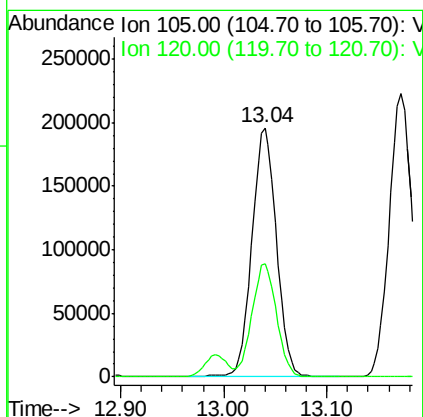
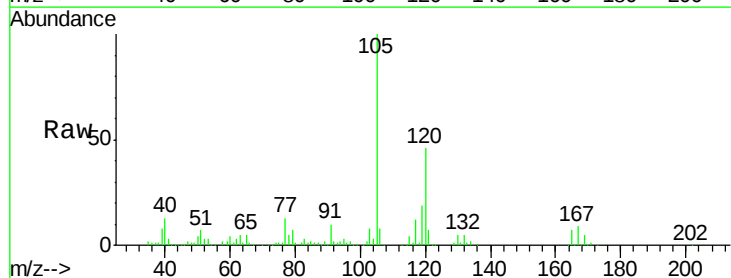
Instrument :
MSVOA_N
ClientSampled :
VN0323MBS01

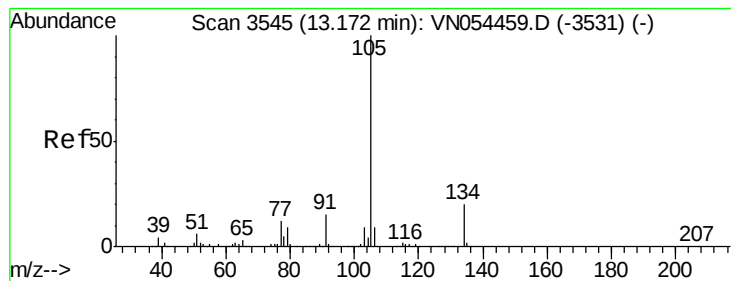
Tot Ion:119 Resp: 286481
Ion Ratio Lower Upper
119 100
91 65.7 30.9 92.8
134 23.1 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.202 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054618.D
Acq: 23 Mar 2019 22:23

Tgt Ion:105 Resp: 322805
Ion Ratio Lower Upper
105 100
120 45.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.796 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampled :

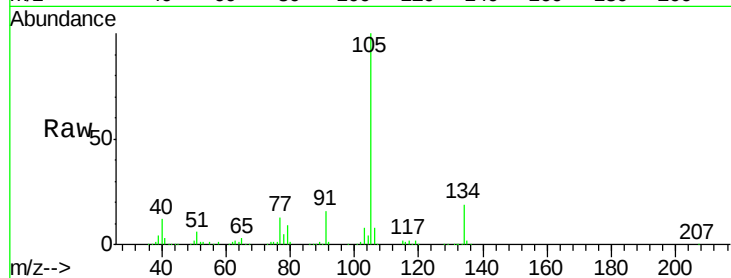
VN0323MBS01

Tot Ion:105 Resp: 349803

Ion Ratio Lower Upper

105 100

134 19.8 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

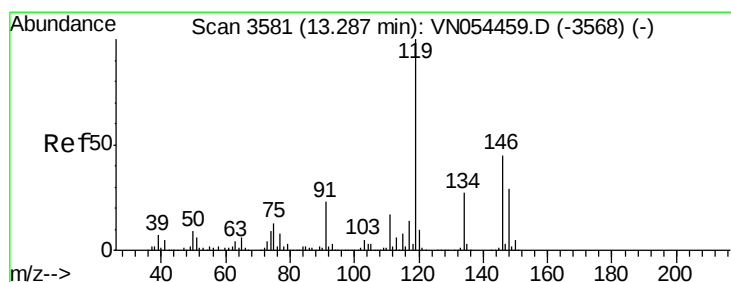
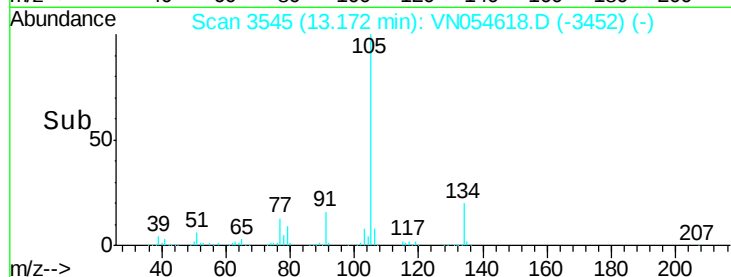
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.129 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

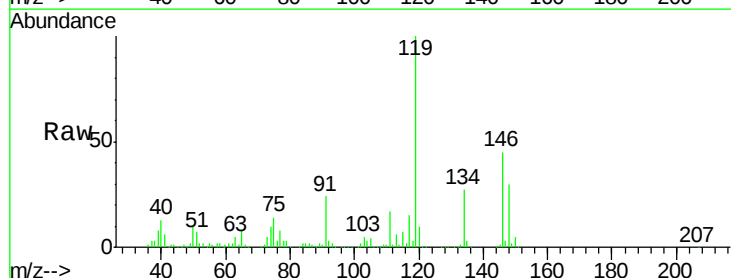
Tgt Ion:119 Resp: 302397

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 24.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

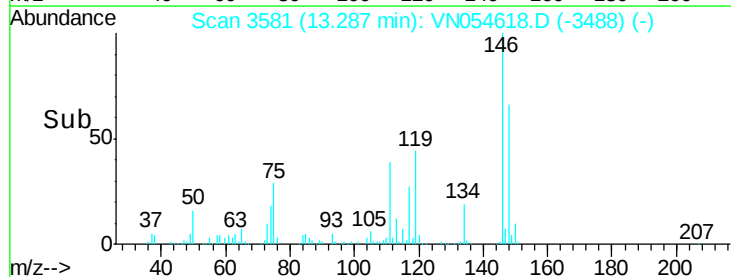
150000

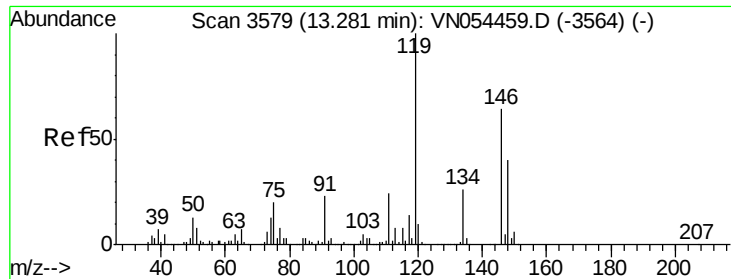
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

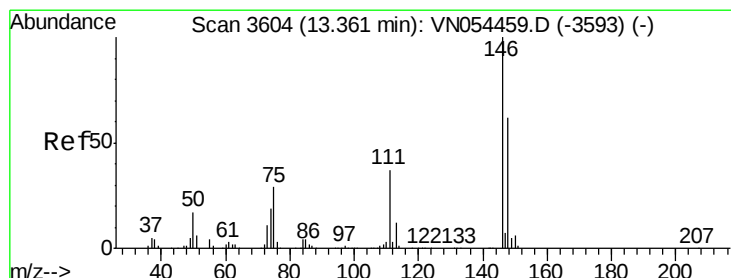
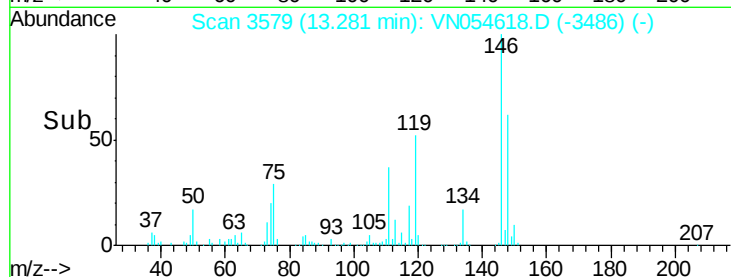
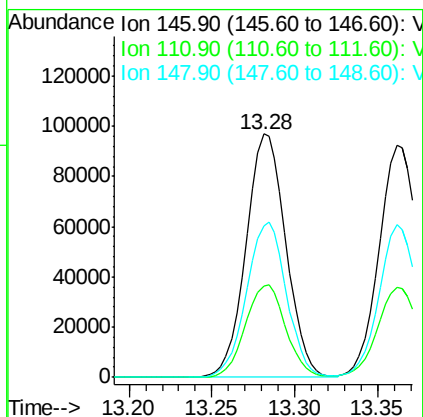
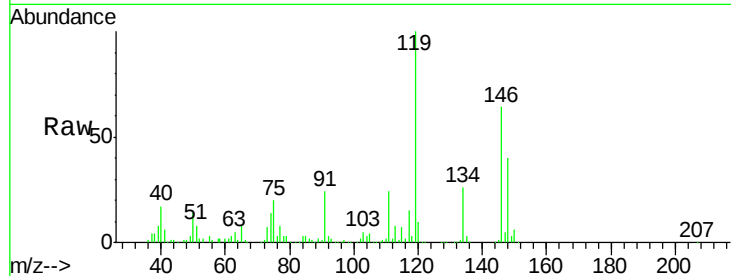




#87
 1,3-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

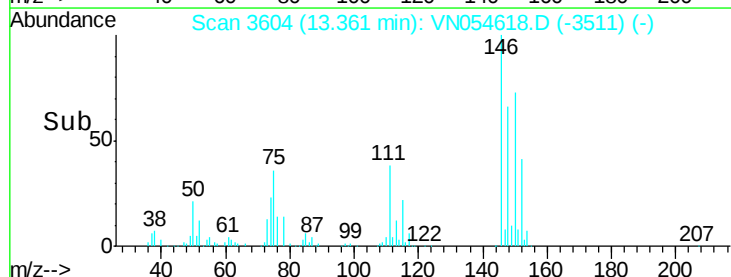
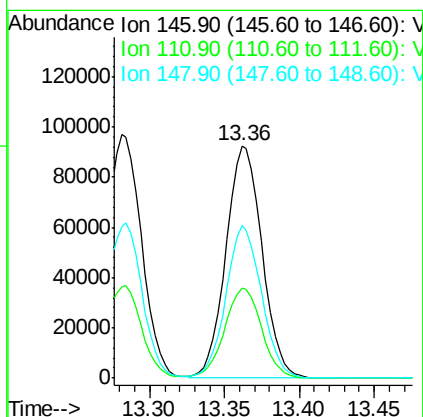
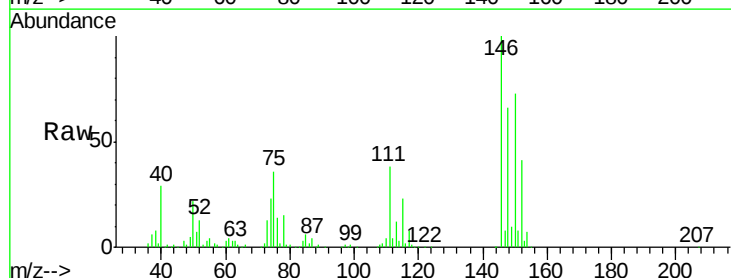
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

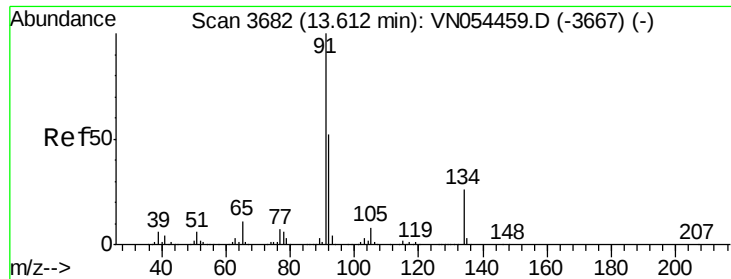
Tot Ion:146 Resp: 161584
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.3
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.606 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion:146 Resp: 155777
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.1 54.1
 148 64.7 32.0 96.0





#89

n-Butylbenzene

Concen: 18.503 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

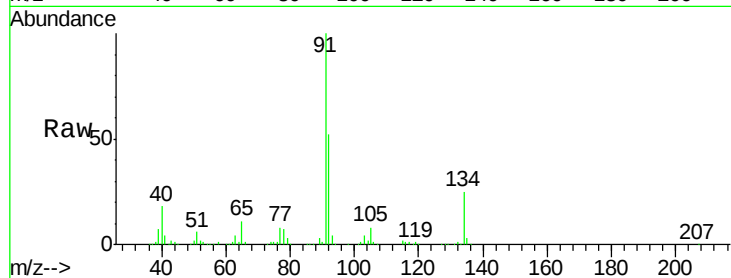
Tot Ion: 91 Resp: 228726

Ion Ratio Lower Upper

91 100

92 51.8 26.2 78.6

134 25.2 14.3 42.9

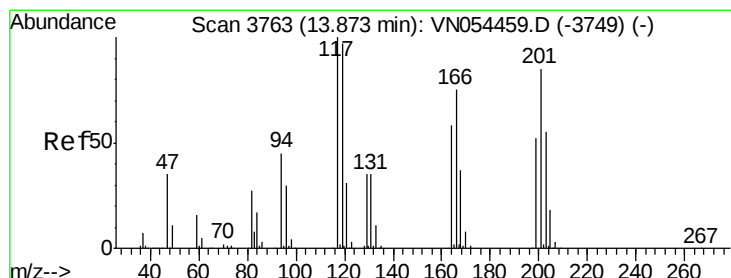
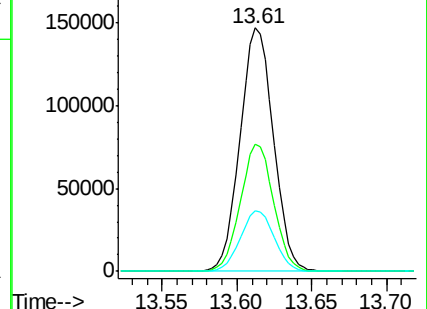
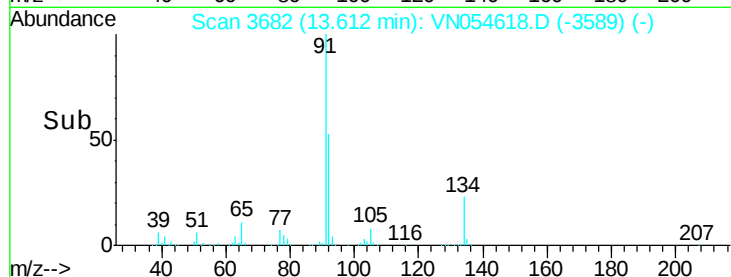


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 20.366 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054618.D

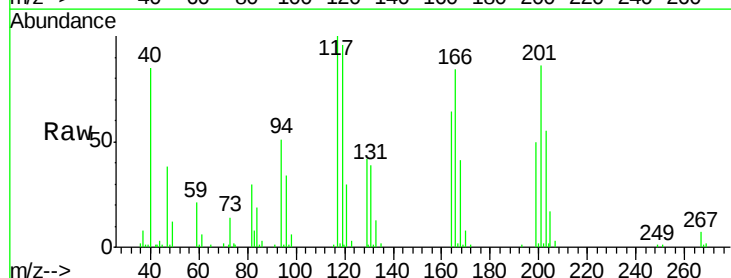
Acq: 23 Mar 2019 22:23

Tgt Ion: 117 Resp: 49975

Ion Ratio Lower Upper

117 100

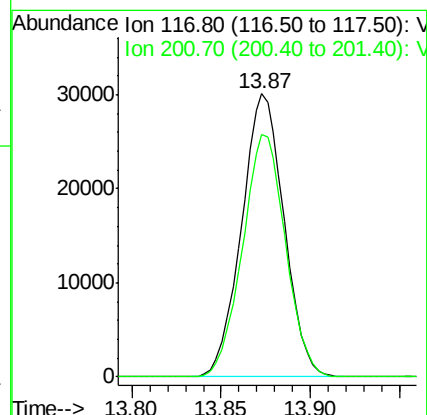
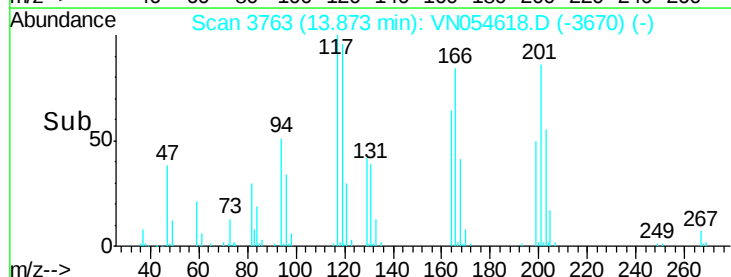
201 86.8 48.1 144.4

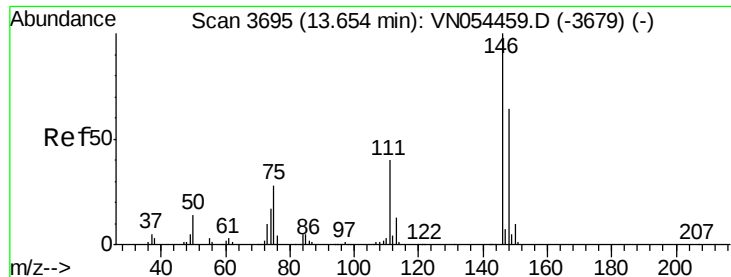


Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

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

Time-->

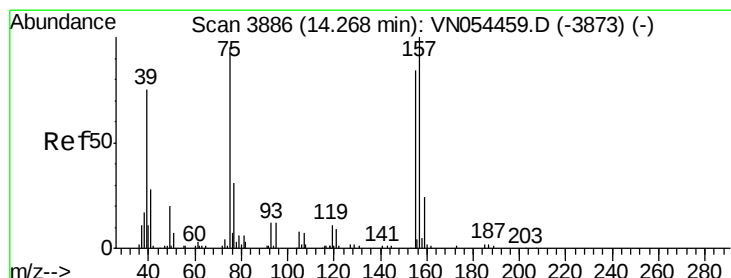
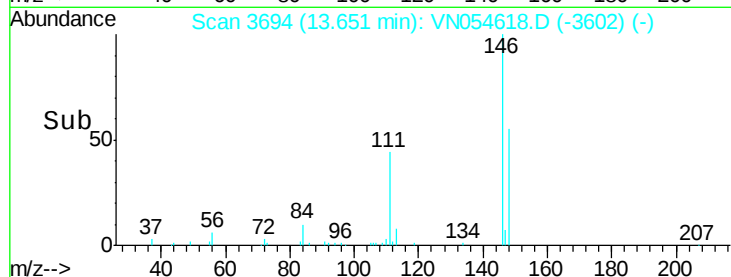
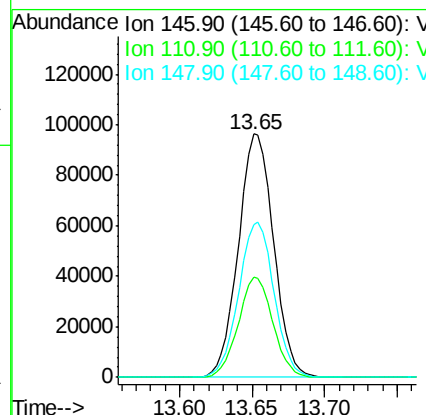
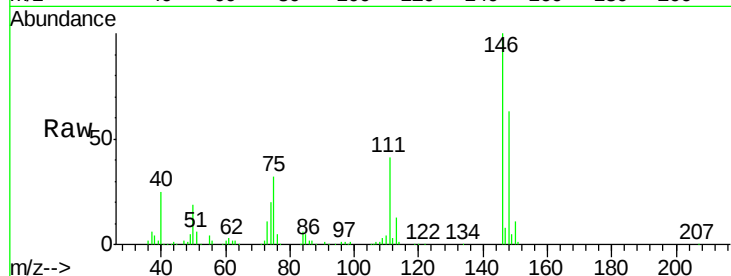




#91
 1,2-Dichlorobenzene
 Concen: 20.642 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

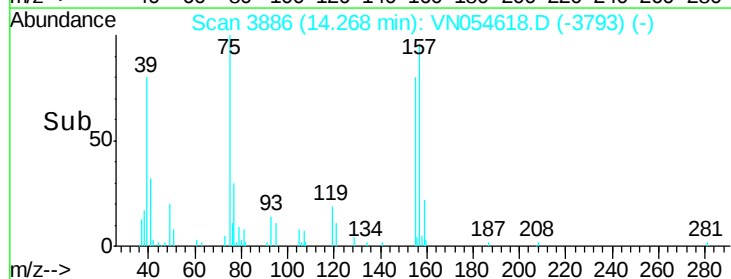
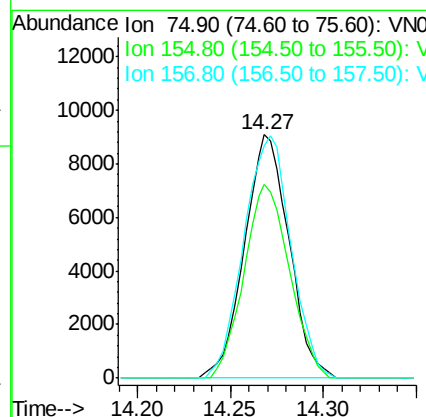
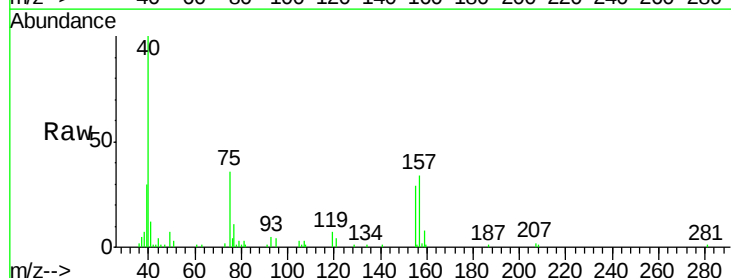
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBS01

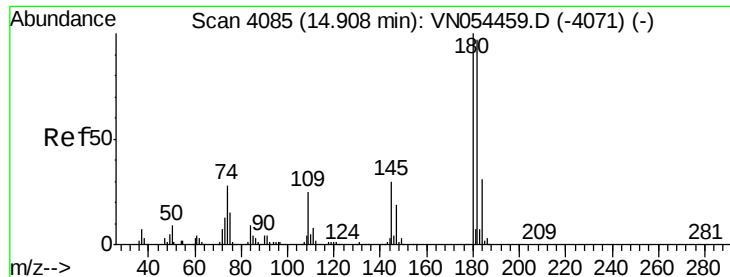
Tot Ion:146 Resp: 163272
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.1 57.3
 148 63.8 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.681 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion: 75 Resp: 15089
 Ion Ratio Lower Upper
 75 100
 155 81.4 50.1 150.3
 157 105.7 63.1 189.3

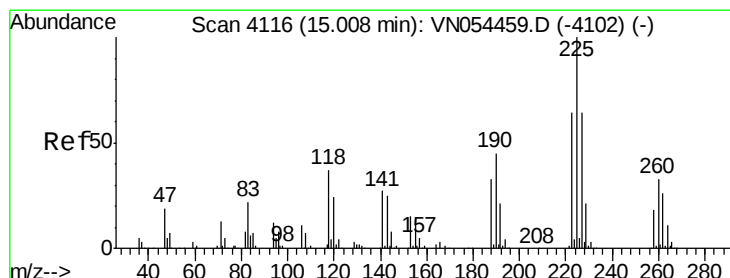
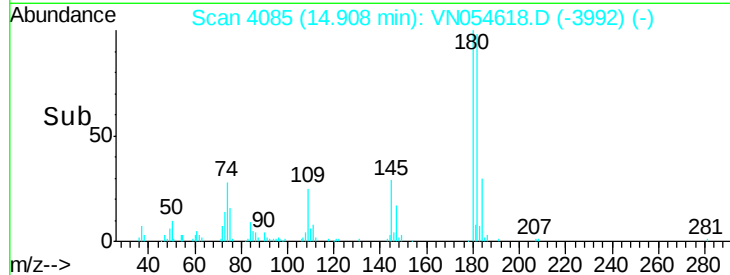
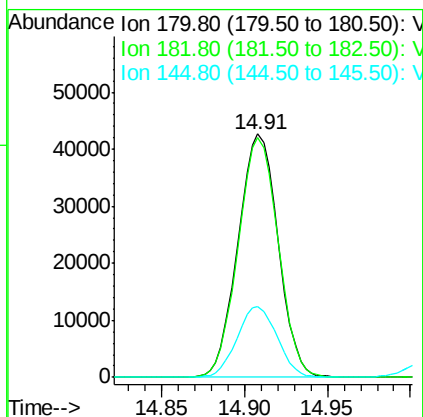
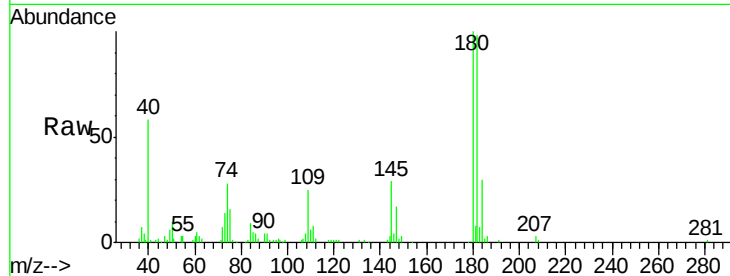




#93
 1,2,4-Trichlorobenzene
 Concen: 18.230 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

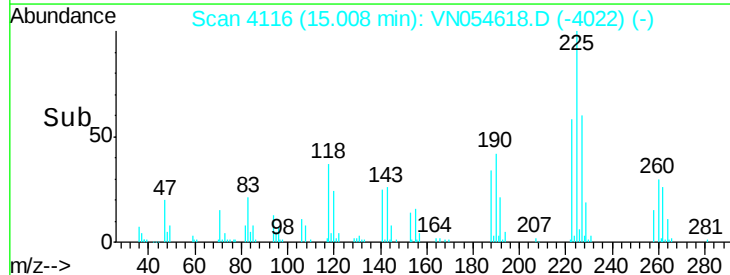
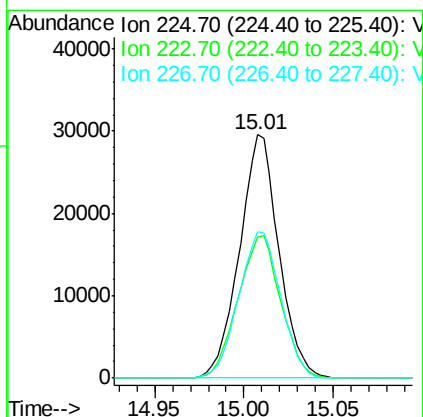
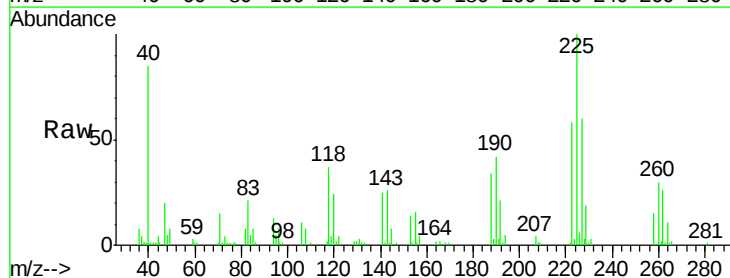
Instrument :
 MSVOA_N
 ClientSampled :
 VN0323MBS01

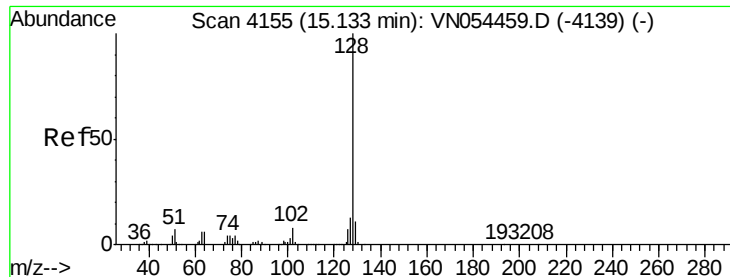
Tot Ion:180 Resp: 71881
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.0 144.2
 145 29.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.054 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054618.D
 Acq: 23 Mar 2019 22:23

Tgt Ion:225 Resp: 45610
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.5
 227 64.0 31.9 95.9





#95

Naphthalene

Concen: 18.861 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBS01

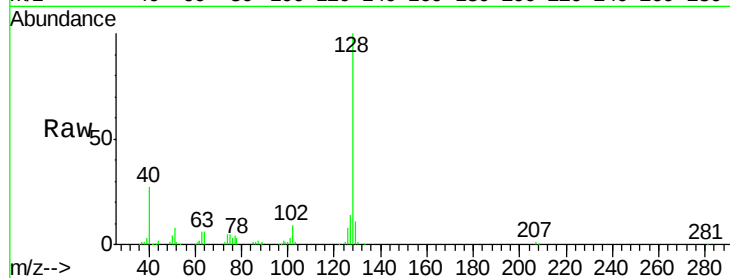
Tot Ion:128 Resp: 165889

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

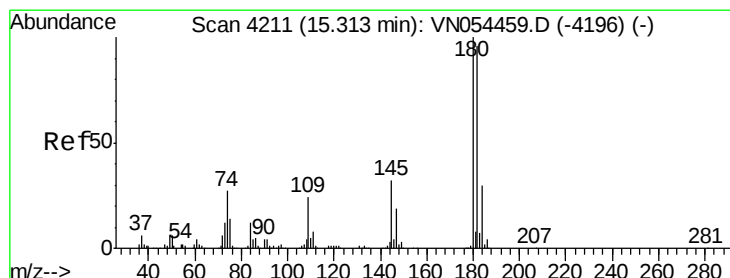
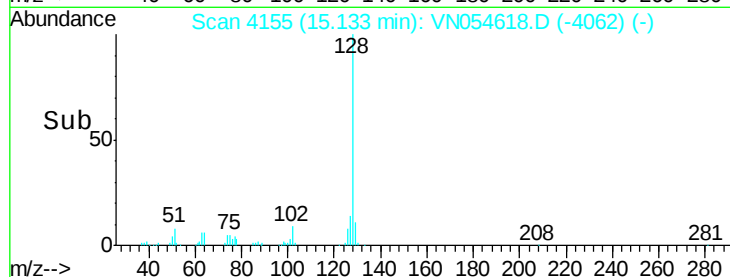
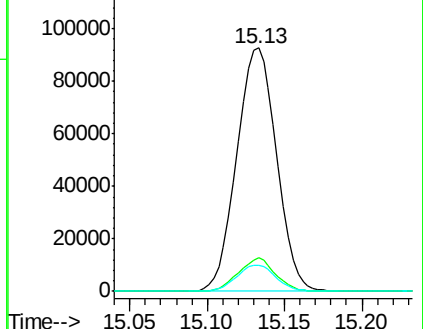
129 10.7 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 19.054 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054618.D

Acq: 23 Mar 2019 22:23

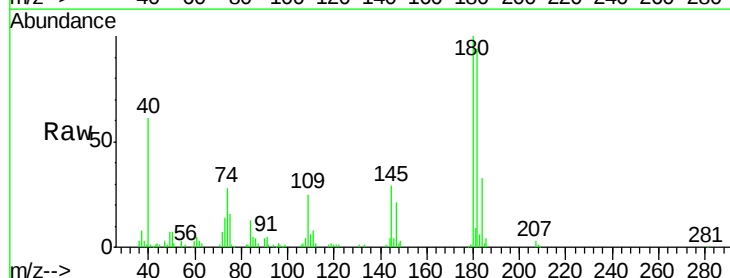
Tgt Ion:180 Resp: 74776

Ion Ratio Lower Upper

180 100

182 93.9 47.5 142.6

145 31.2 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

