

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055991.D
 Acq On : 4 Jun 2019 15:14
 Operator : JC/SP
 Sample : VN0604MBSD01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Quant Time: Jun 05 01:14:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	331009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198916	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	168816	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	149991	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	590417	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	202532	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	74104	20.588	ug/l 99
3) Chloromethane	2.06	50	78704	21.934	ug/l 100
4) Vinyl Chloride	2.18	62	77864	21.633	ug/l 99
5) Bromomethane	2.53	94	50979	22.422	ug/l 100
6) Chloroethane	2.68	64	45657	21.879	ug/l 100
7) Trichlorofluoromethane	3.00	101	95003	20.676	ug/l 98
8) Diethyl Ether	3.40	74	39610	20.963	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58515	20.964	ug/l 99
10) Methyl Iodide	3.94	142	89370	20.149	ug/l 98
11) Tert butyl alcohol	4.81	59	56433	98.668	ug/l 98
12) 1,1-Dichloroethene	3.72	96	58622	21.096	ug/l 95
13) Acrolein	3.60	56	17201	104.278	ug/l 95
14) Allyl chloride	4.31	41	88906	20.262	ug/l 99
15) Acrylonitrile	4.99	53	157628	113.216	ug/l 99
16) Acetone	3.82	43	136685	86.955	ug/l 99
17) Carbon Disulfide	4.04	76	128606	19.329	ug/l 100
18) Methyl Acetate	4.32	43	69956	22.337	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	188891	21.326	ug/l 100
20) Methylene Chloride	4.54	84	68013	21.001	ug/l 99
21) trans-1,2-Dichloroethene	5.03	96	63225	21.235	ug/l 96
22) Diisopropyl ether	5.95	45	190895	21.046	ug/l 98
23) Vinyl Acetate	5.90	43	771694	108.037	ug/l 99
24) 1,1-Dichloroethane	5.84	63	109763	20.979	ug/l 99
25) 2-Butanone	6.84	43	208030	104.746	ug/l 98
26) 2,2-Dichloropropane	6.82	77	75890	18.588	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	73744	21.071	ug/l 96
28) Bromochloromethane	7.19	49	50705	20.493	ug/l 98
29) Tetrahydrofuran	7.22	42	137780	112.230	ug/l 98
30) Chloroform	7.37	83	110786	21.049	ug/l 98
31) Cyclohexane	7.65	56	108080	20.724	ug/l 92
32) 1,1,1-Trichloroethane	7.57	97	91142	20.737	ug/l 99
36) 1,1-Dichloropropene	7.79	75	84314	19.876	ug/l 99
37) Ethyl Acetate	6.93	43	83692	22.174	ug/l 100
38) Carbon Tetrachloride	7.77	117	73835	18.879	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105453	19.956	ug/l	100
40) Benzene	8.04	78	267128	20.734	ug/l	100
41) Methacrylonitrile	7.17	41	36215	20.855	ug/l	87
42) 1,2-Dichloroethane	8.12	62	82794	19.978	ug/l	99
43) Isopropyl Acetate	8.17	43	129606	21.191	ug/l #	92
44) Trichloroethene	8.83	130	75873	20.494	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68358	20.714	ug/l	97
46) Dibromomethane	9.21	93	43336	20.081	ug/l	97
47) Bromodichloromethane	9.40	83	76692	19.608	ug/l	98
48) Methyl methacrylate	9.20	41	63392	21.186	ug/l	95
49) 1,4-Dioxane	9.20	88	27296	422.549	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	412027	107.726	ug/l	98
52) Toluene	10.15	92	168037	20.960	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	80490	19.109	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95726	20.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	65832	20.730	ug/l	99
56) Ethyl methacrylate	10.43	69	100375	21.665	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107946	20.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	183687	108.922	ug/l	100
59) 2-Hexanone	10.75	43	297629	107.366	ug/l	99
60) Dibromochloromethane	10.90	129	58090	18.224	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69871	21.522	ug/l	97
64) Tetrachloroethene	10.63	164	76471	19.846	ug/l	98
65) Chlorobenzene	11.43	112	179360	20.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59176	19.345	ug/l	89
67) Ethyl Benzene	11.51	91	320917	20.832	ug/l	100
68) m/p-Xylenes	11.62	106	249380	42.376	ug/l	94
69) o-Xylene	11.95	106	121359	20.965	ug/l	98
70) Styrene	11.96	104	200928	21.846	ug/l	99
71) Bromoform	12.13	173	41879	18.154	ug/l #	94
73) Isopropylbenzene	12.25	105	335530	22.325	ug/l	97
74) N-amyl acetate	12.07	43	115703	21.821	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	90420	19.581	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	107316	29.320	ug/l #	100
77) Bromobenzene	12.53	156	200296	47.032	ug/l #	31
78) n-propylbenzene	12.59	91	344712	20.484	ug/l	100
79) 2-Chlorotoluene	12.67	91	205223	20.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	314174	23.491	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.30	75	18875	17.173	ug/l #	85
82) 4-Chlorotoluene	12.77	91	200186	20.333	ug/l	99
83) tert-Butylbenzene	12.99	119	228358	20.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254297	20.050	ug/l	98
85) sec-Butylbenzene	13.17	105	306192	20.546	ug/l	100
86) p-Isopropyltoluene	13.29	119	283576	21.261	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	132909	20.164	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	131871	20.798	ug/l	96
89) n-Butylbenzene	13.61	91	212934	21.551	ug/l	97
90) Hexachloroethane	13.87	117	46157	22.947	ug/l	76
91) 1,2-Dichlorobenzene	13.65	146	133760	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13327	20.178	ug/l	90

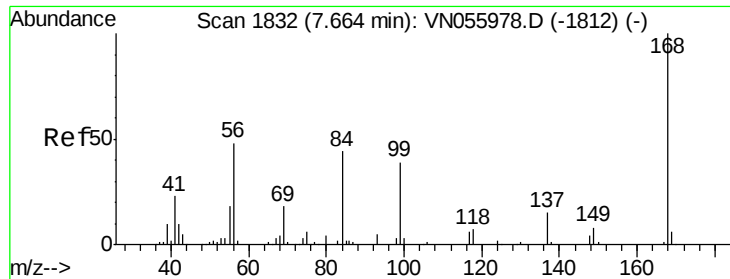
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71966	22.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	46459	19.065	ug/l	99
95) Naphthalene	15.13	128	215453	24.752	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	78163	22.678	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

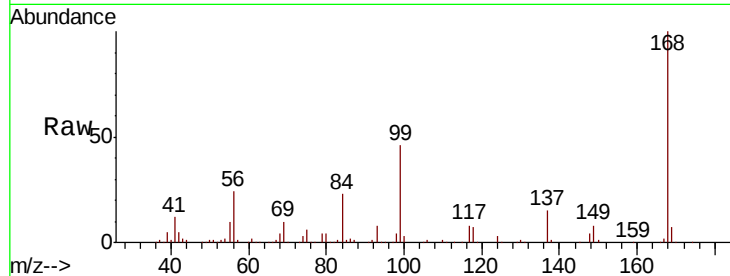
VN0604MBSD01

Tot Ion:168 Resp: 331009

Ion Ratio Lower Upper

168 100

99 45.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055991.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055991.D (-1739) (-)

7.66

150000

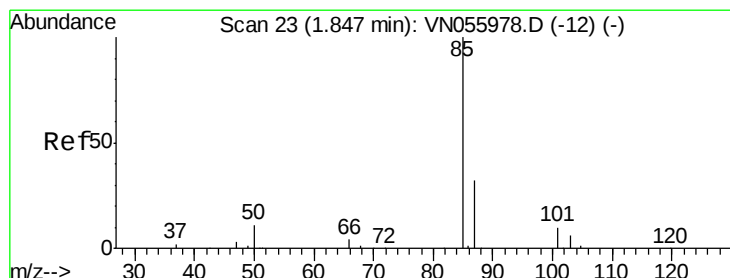
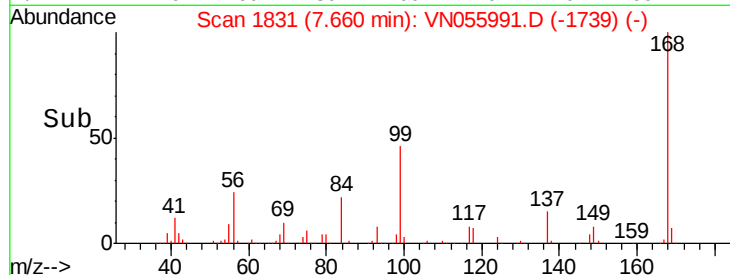
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.588 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055991.D

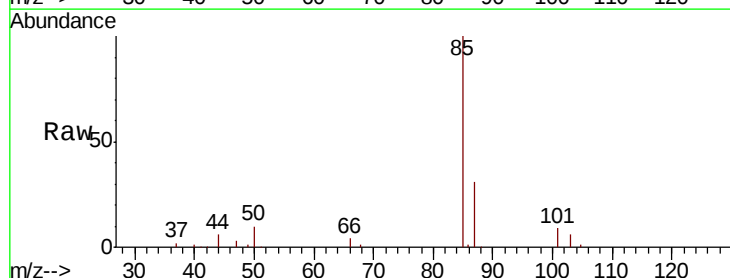
Acq: 4 Jun 2019 15:14

Tgt Ion: 85 Resp: 74104

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055991.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055991.D (-1) (-)

1.85

50000

40000

30000

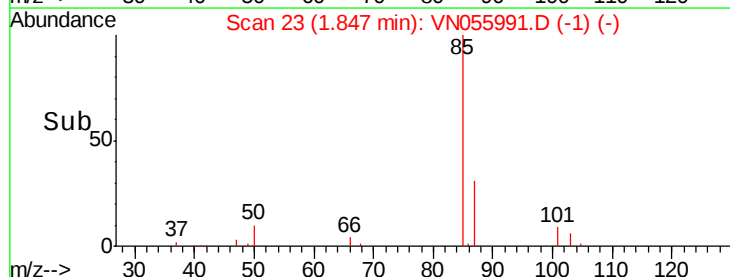
20000

10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

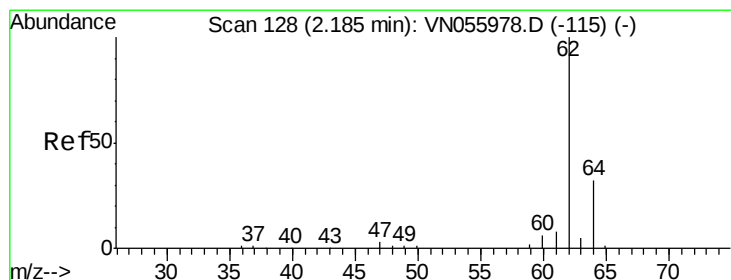
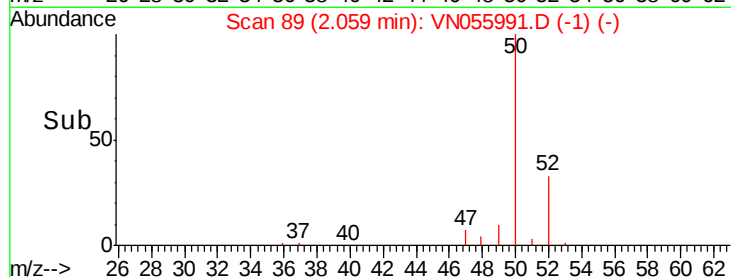
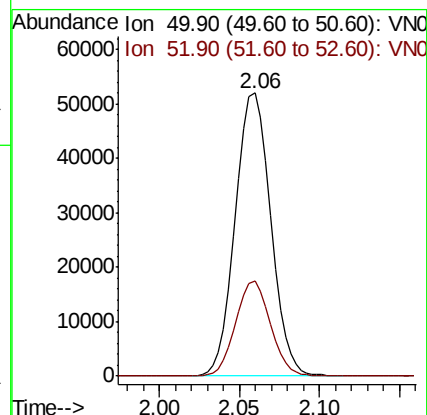
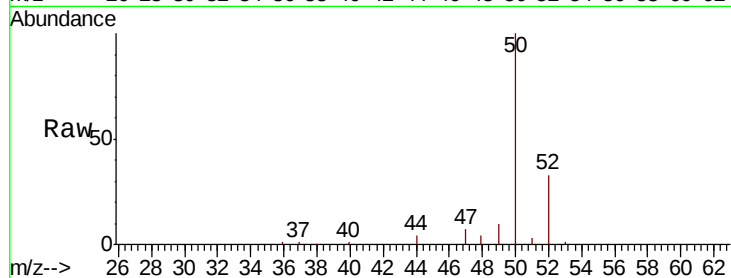
VN0604MBSD01

Tot Ion: 50 Resp: 78704

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 21.633 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055991.D

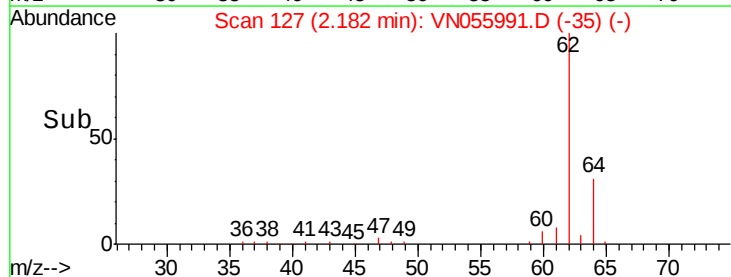
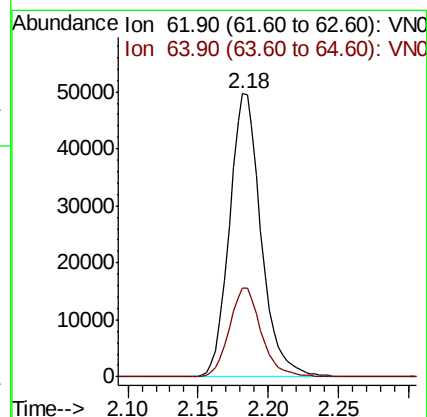
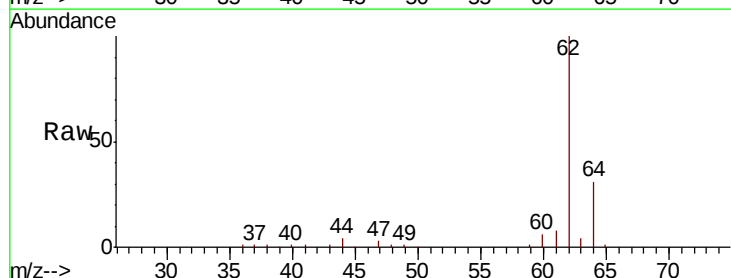
Acq: 4 Jun 2019 15:14

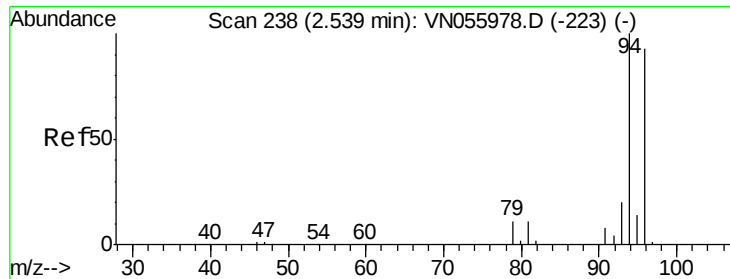
Tgt Ion: 62 Resp: 77864

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4

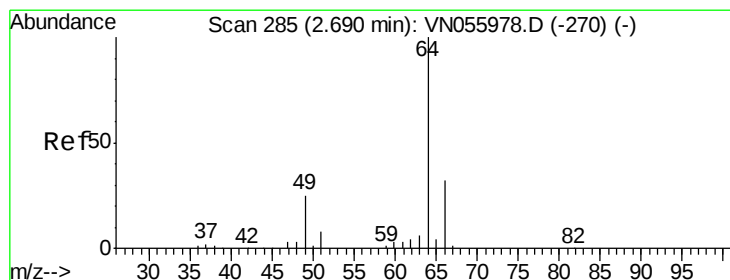
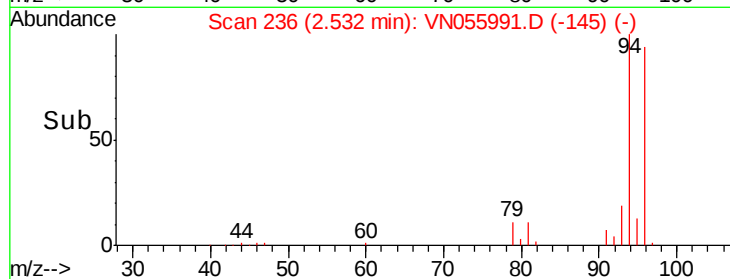
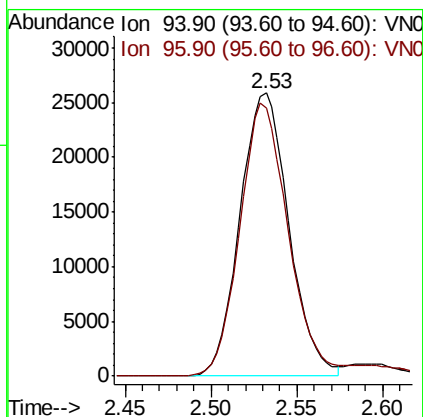
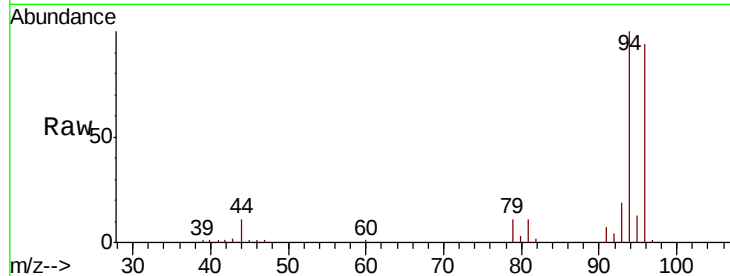




#5
Bromomethane
Concen: 22.422 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

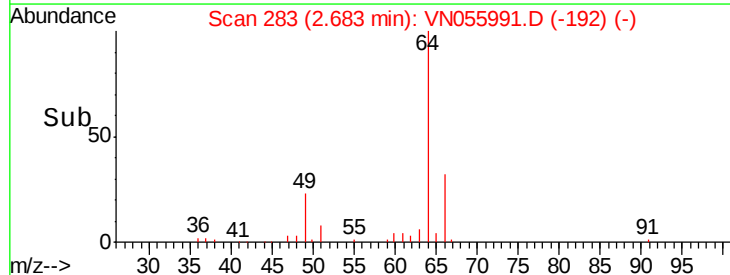
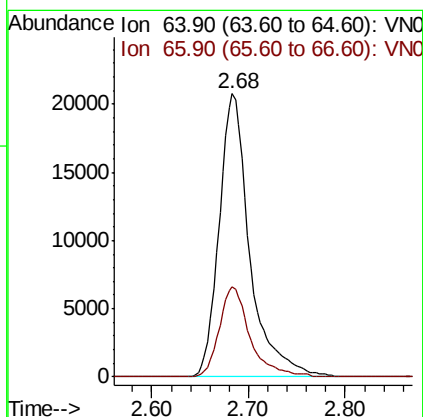
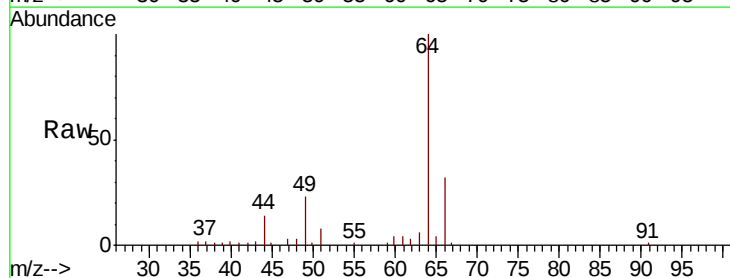
Instrument :
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VN0604MBSD01

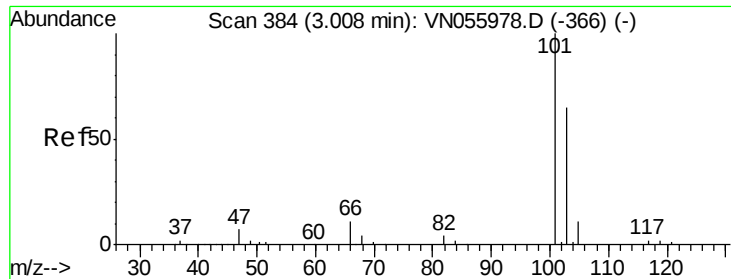
Tot Ion: 94 Resp: 50979
Ion Ratio Lower Upper
94 100
96 94.5 75.5 113.3



#6
Chloroethane
Concen: 21.879 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 64 Resp: 45657
Ion Ratio Lower Upper
64 100
66 31.9 25.4 38.0



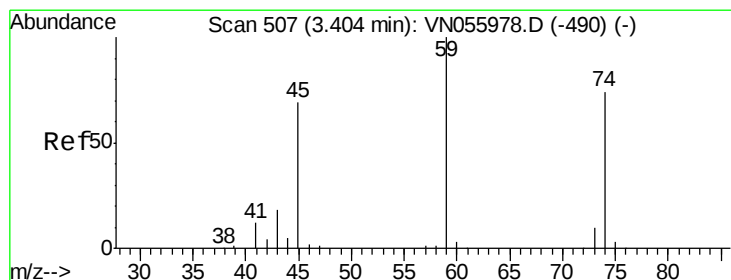
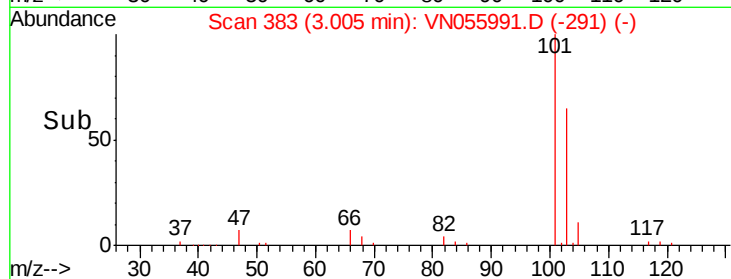
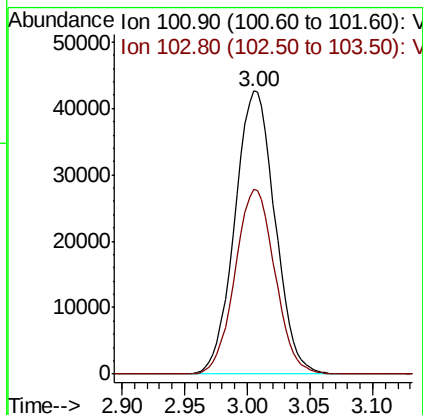
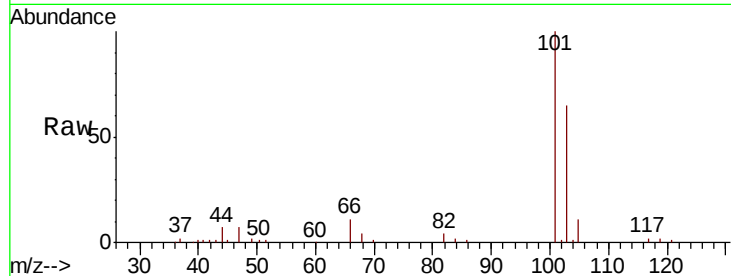


#7

Trichlorofluoromethane
 Concen: 20.676 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

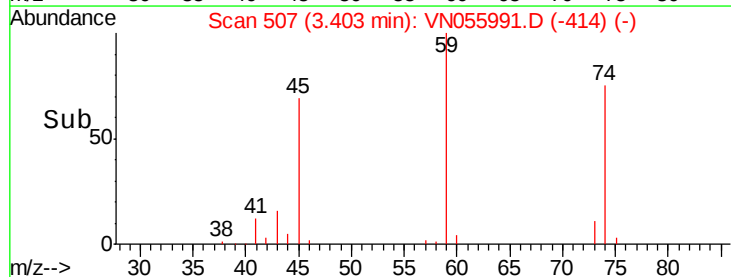
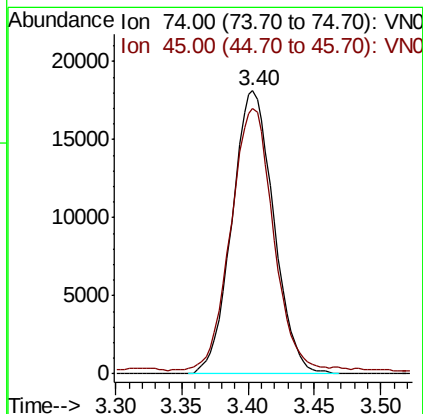
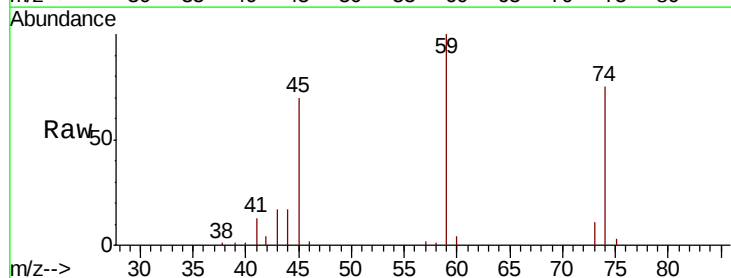
Tot Ion:101 Resp: 95003
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

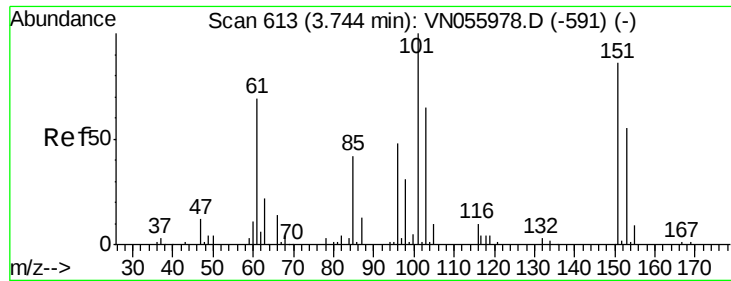


#8

Diethyl Ether
 Concen: 20.963 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 74 Resp: 39610
 Ion Ratio Lower Upper
 74 100
 45 93.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.964 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

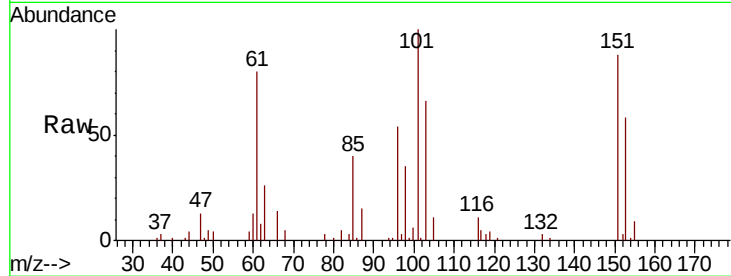
Tot Ion:101 Resp: 58515

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.2

151 85.8 69.4 104.2

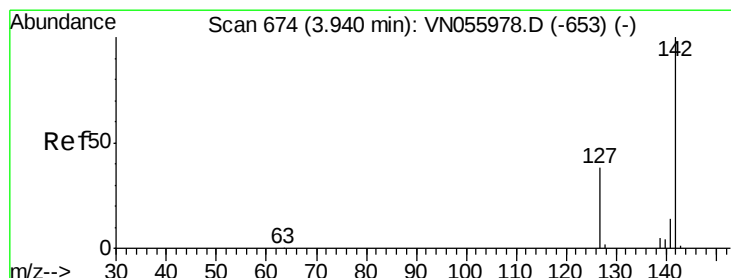
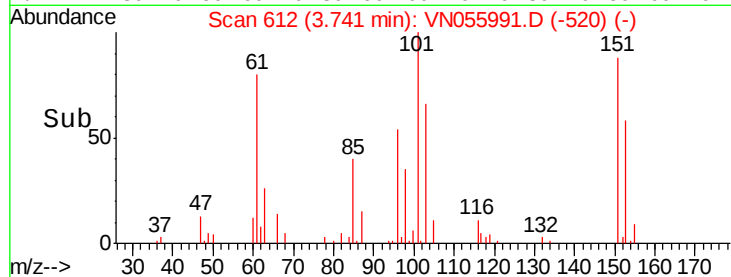
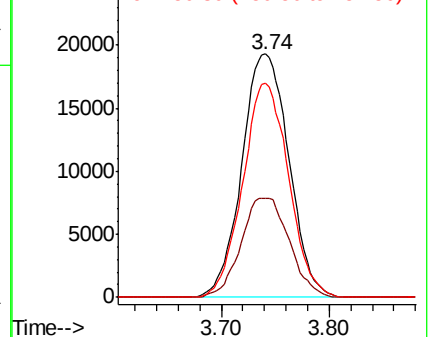


Abundance

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: 20.149 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

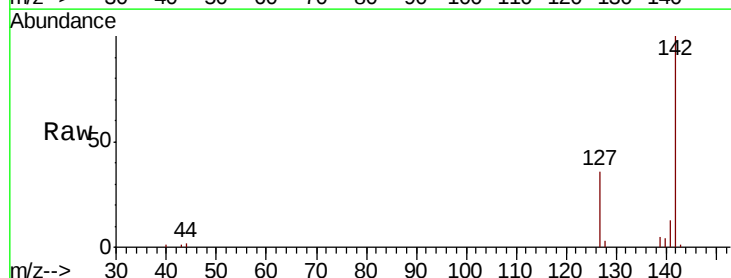
Tgt Ion:142 Resp: 89370

Ion Ratio Lower Upper

142 100

127 37.3 31.0 46.4

141 13.9 11.4 17.0

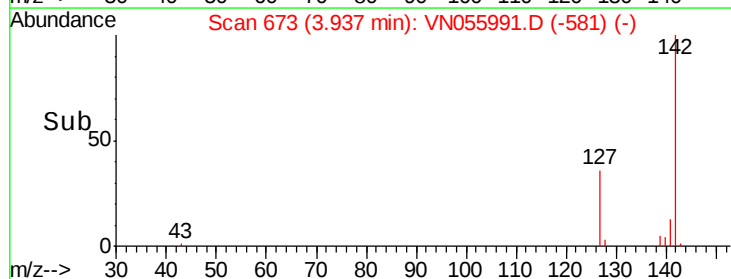
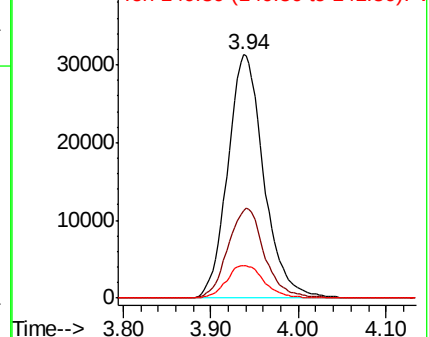


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



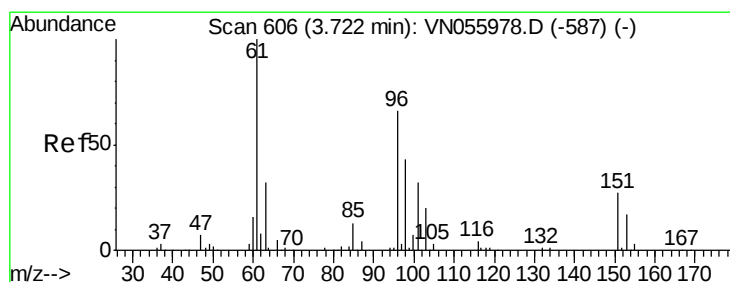
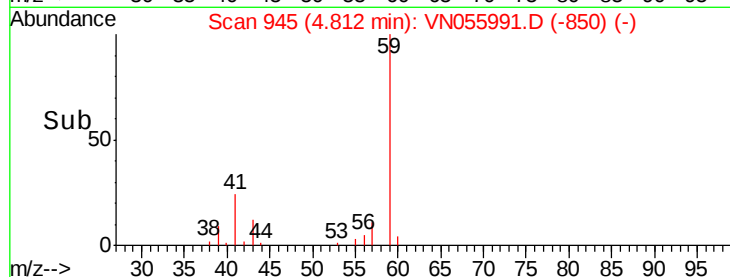
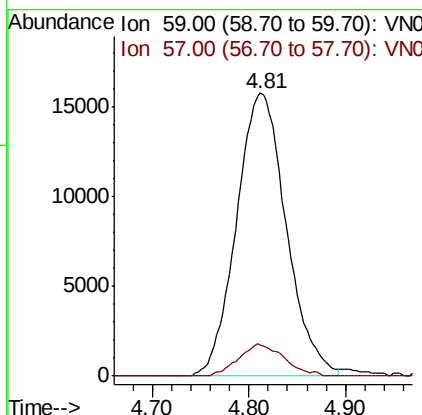
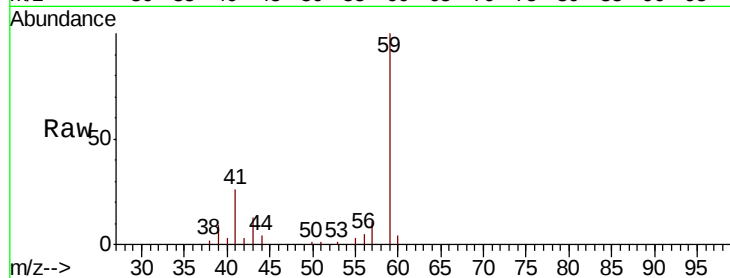


#11

Tert butyl alcohol
 Concen: 98.668 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

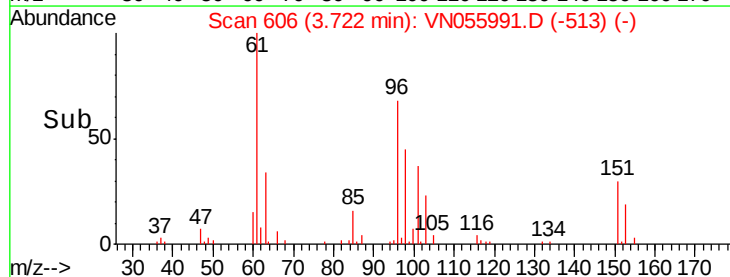
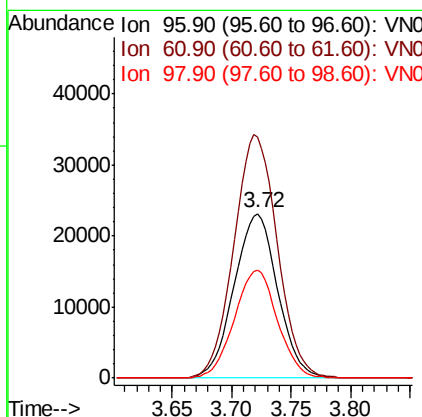
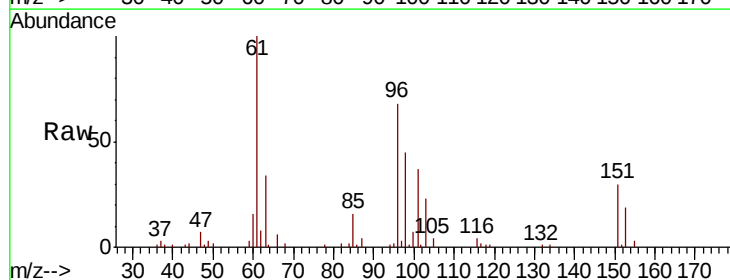
Tot Ion: 59 Resp: 56433
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.6

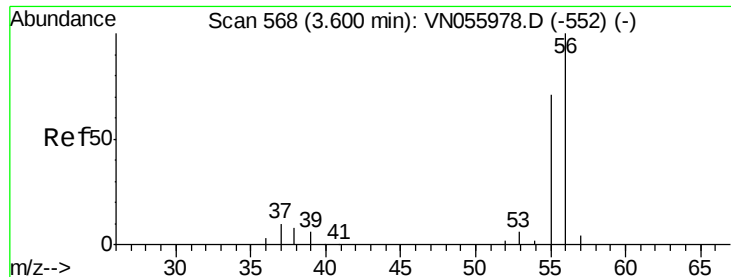


#12

1,1-Dichloroethene
 Concen: 21.096 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 96 Resp: 58622
 Ion Ratio Lower Upper
 96 100
 61 146.4 123.2 184.8
 98 65.9 50.4 75.6





#13

Acrolein

Concen: 104.278 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

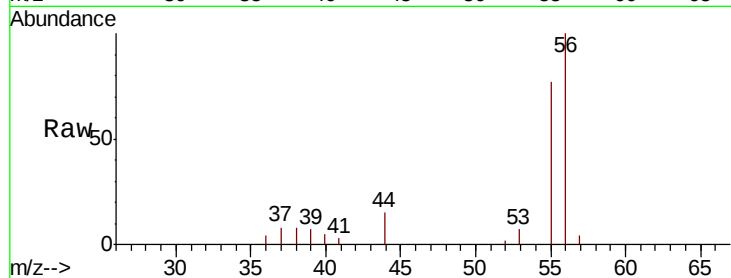
VN0604MBSD01

Tot Ion: 56 Resp: 17201

Ion Ratio Lower Upper

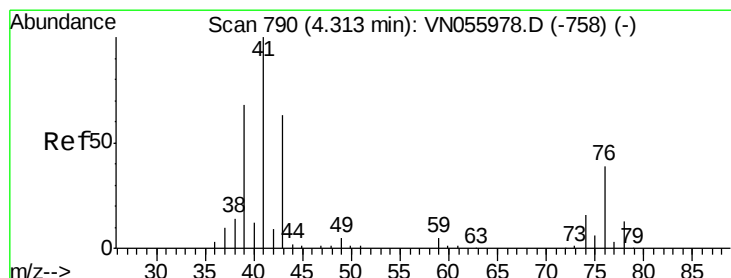
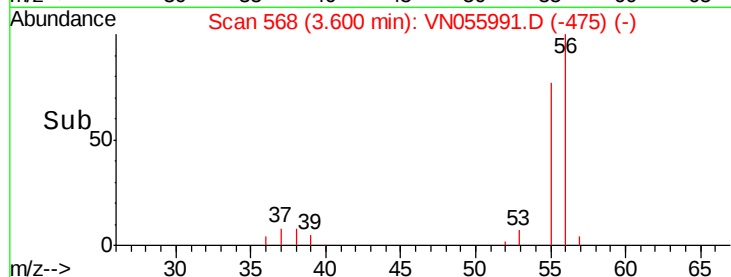
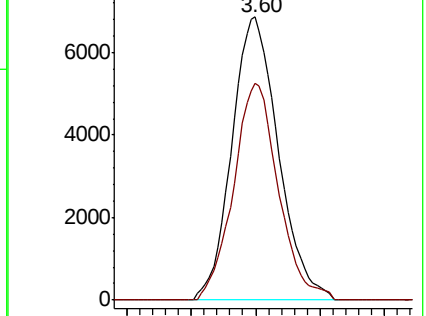
56 100

55 73.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.262 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

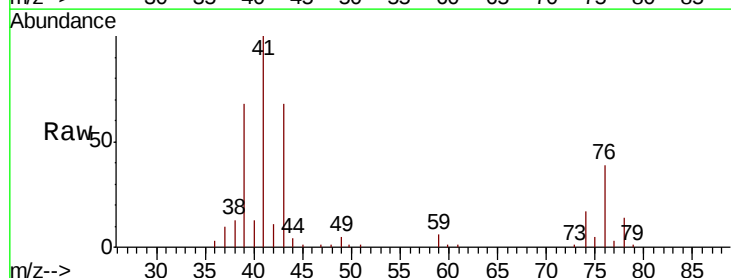
Tgt Ion: 41 Resp: 88906

Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

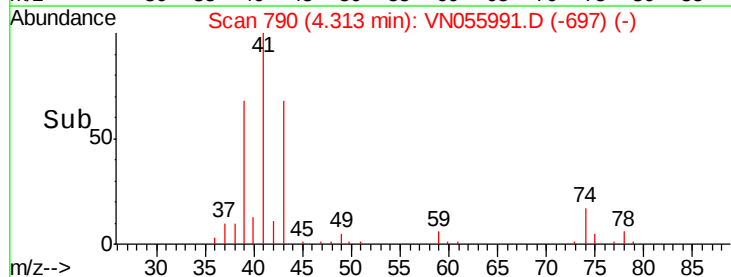
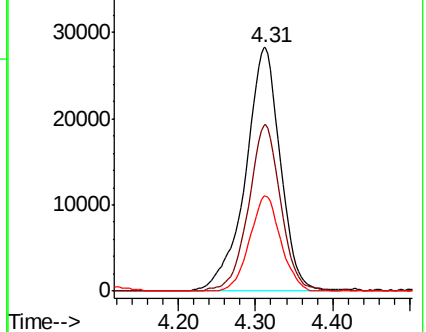
76 34.9 28.2 42.2

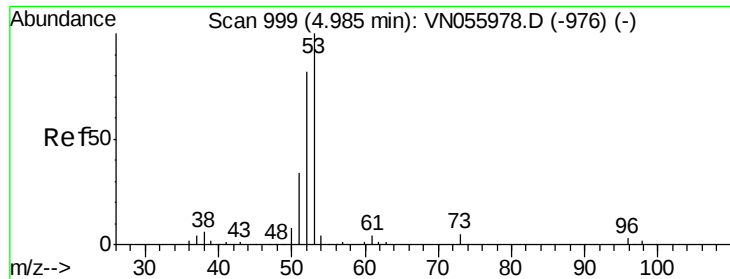


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.216 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

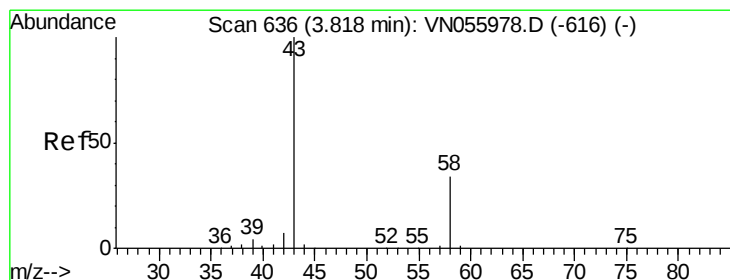
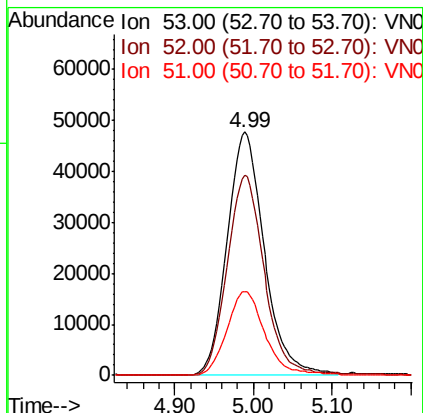
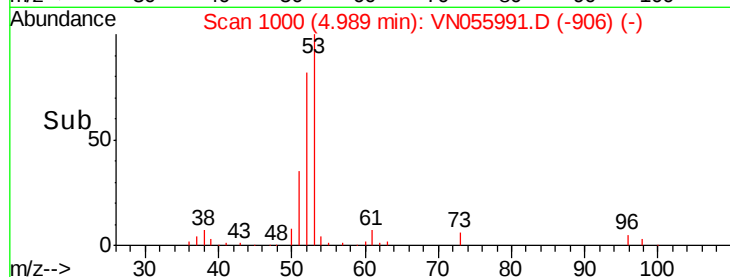
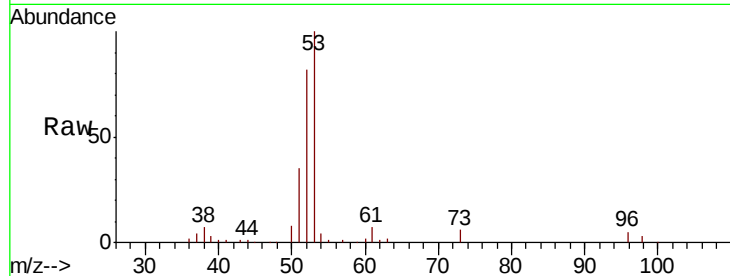
MSVOA_N

ClientSampleId :

VN0604MBSD01

Tot Ion: 53 Resp: 157628

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.8
51	35.5	28.2	42.4



#16

Acetone

Concen: 86.955 ug/l

RT: 3.82 min Scan# 636

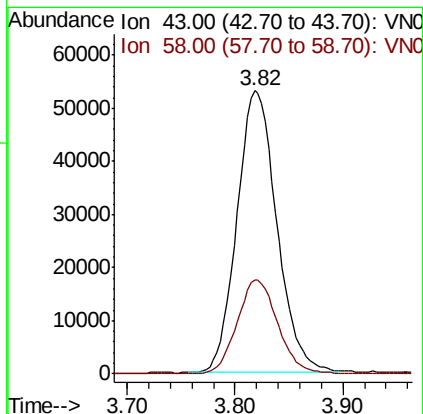
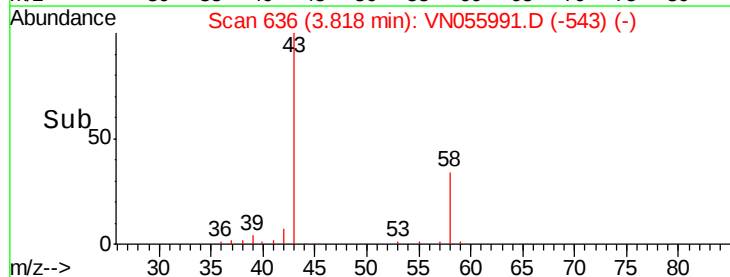
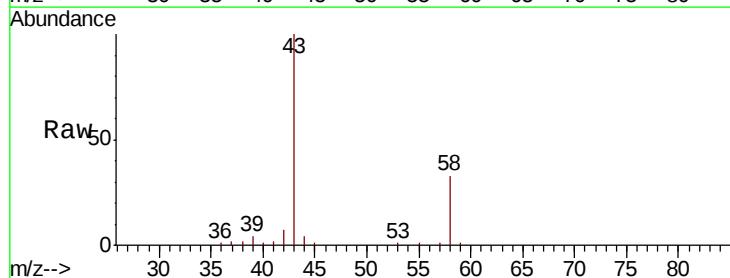
Delta R.T. -0.00 min

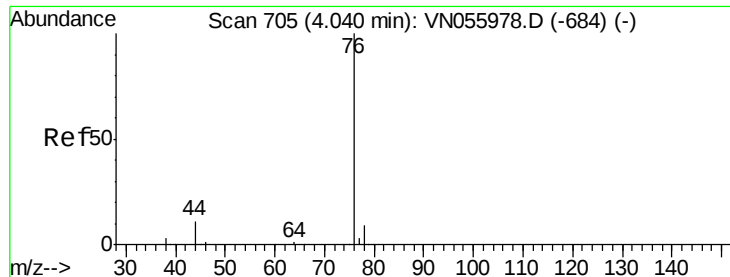
Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion: 43 Resp: 136685

Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.6	39.8

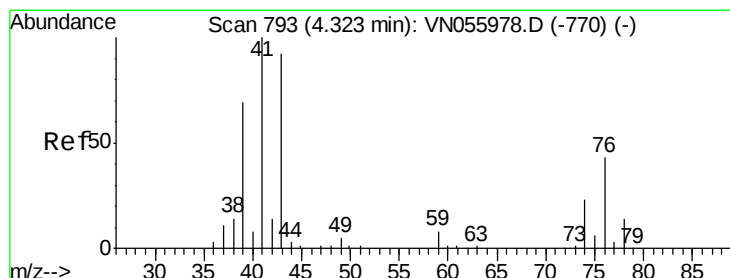
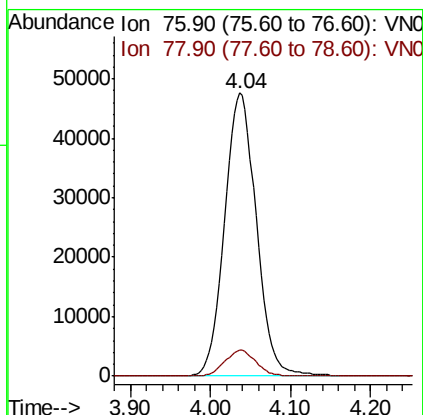
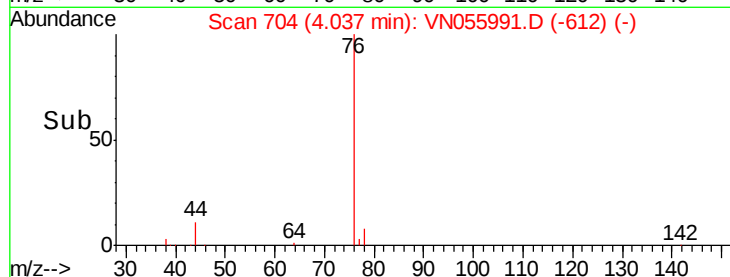
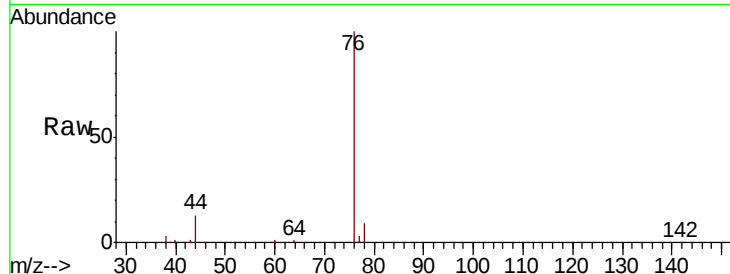




#17
Carbon Disulfide
Concen: 19.329 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

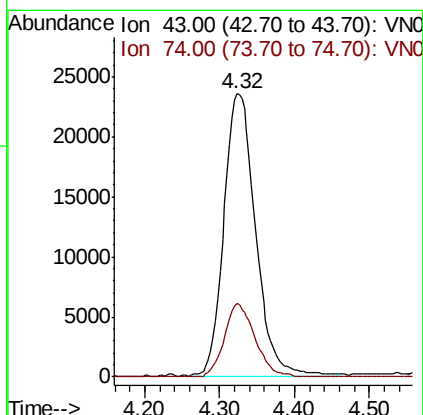
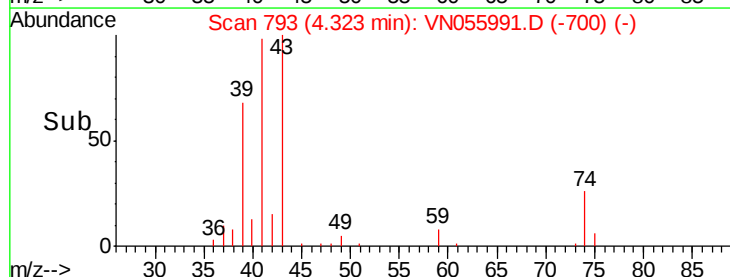
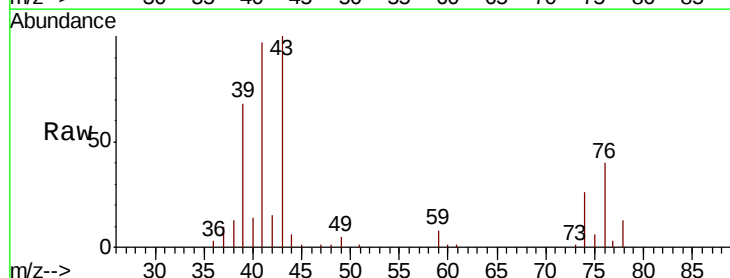
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 76 Resp: 128606
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 22.337 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 43 Resp: 69956
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9

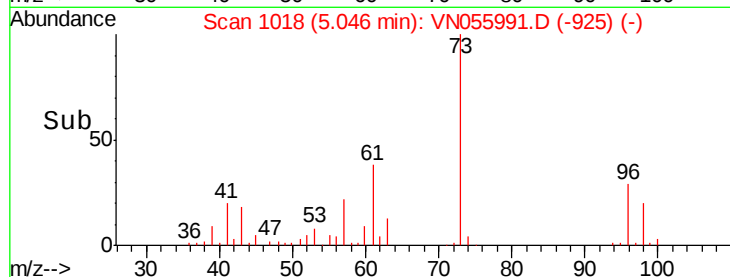
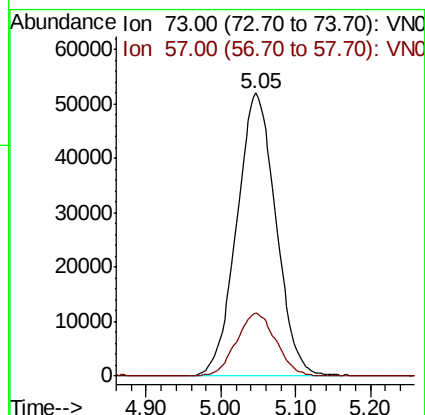
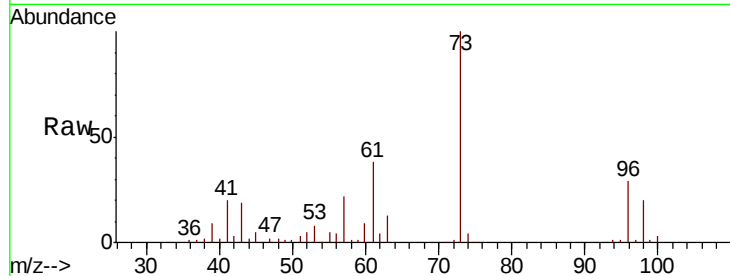




#19
Methyl tert-butyl Ether
Concen: 21.326 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

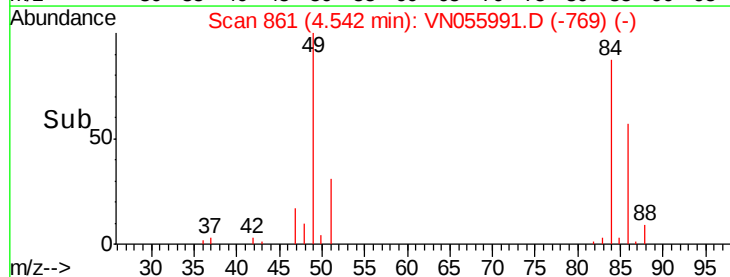
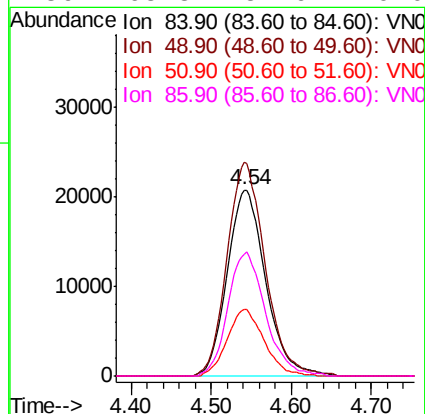
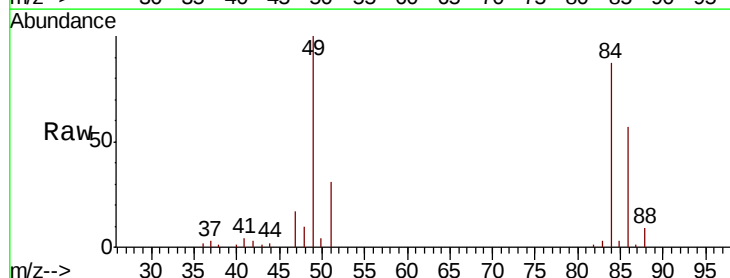
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

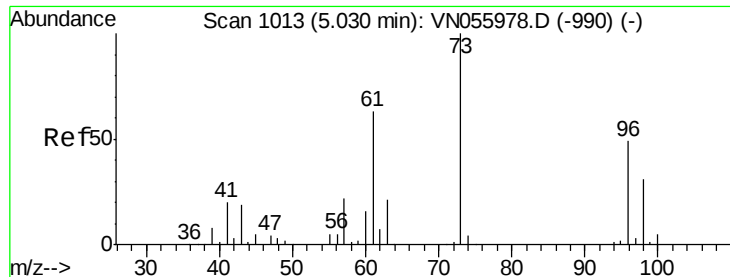
Tot Ion: 73 Resp: 188891
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8



#20
Methylene Chloride
Concen: 21.001 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 84 Resp: 68013
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 36.2 28.6 43.0
86 65.8 52.6 79.0

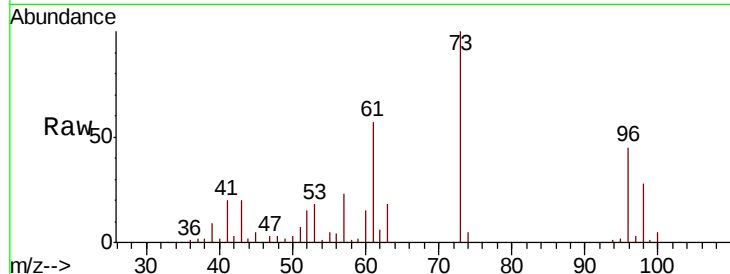




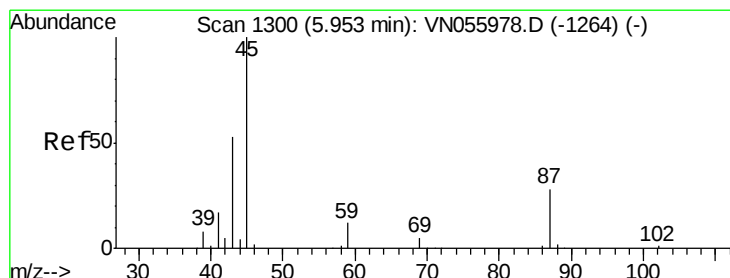
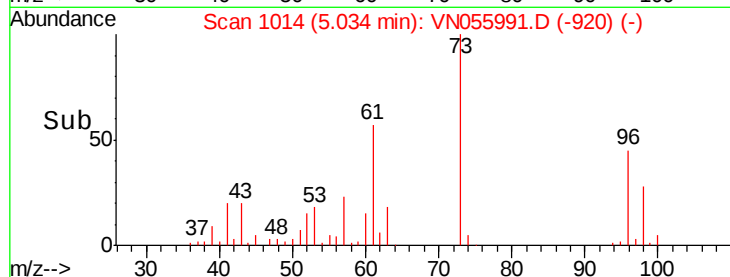
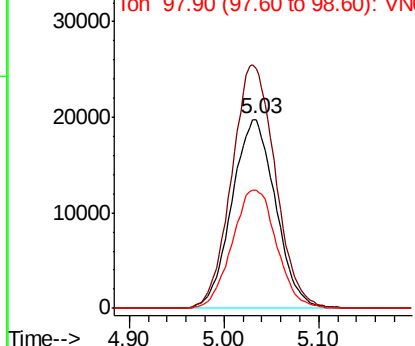
#21
trans-1,2-Dichloroethene
Concen: 21.235 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 96 Resp: 63225
Ion Ratio Lower Upper
96 100
61 127.2 107.8 161.8
98 62.5 49.8 74.8

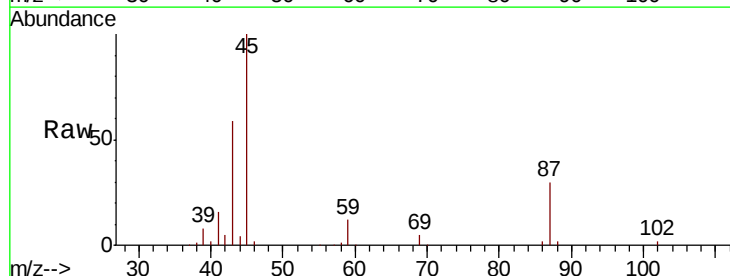


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

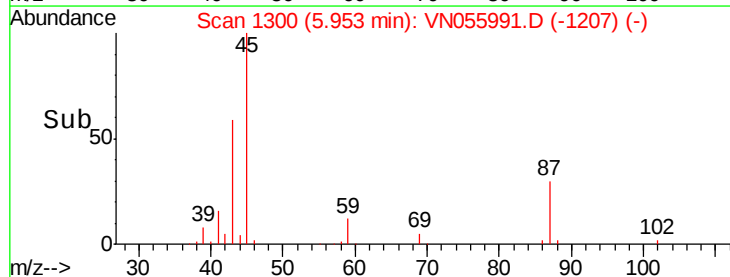
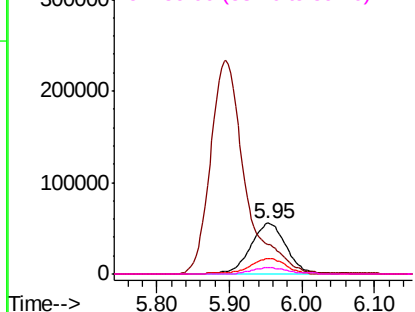


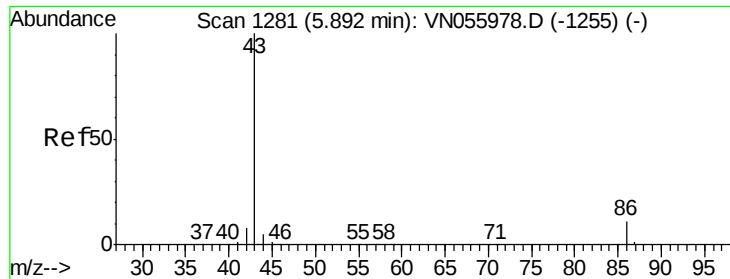
#22
Diisopropyl ether
Concen: 21.046 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 45 Resp: 190895
Ion Ratio Lower Upper
45 100
43 57.0 45.0 67.6
87 29.9 22.2 33.4
59 12.1 9.1 13.7



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: 108.037 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleID :

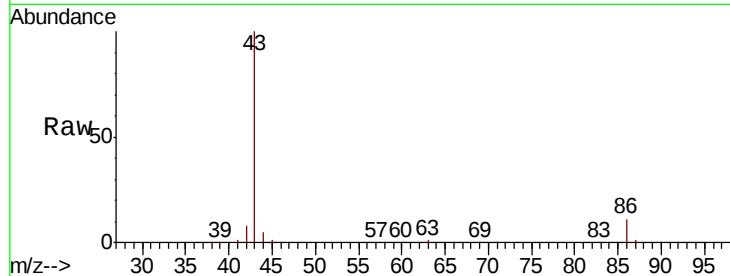
VN0604MBSD01

Tot Ion: 43 Resp: 771694

Ion Ratio Lower Upper

43 100

86 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

250000

200000

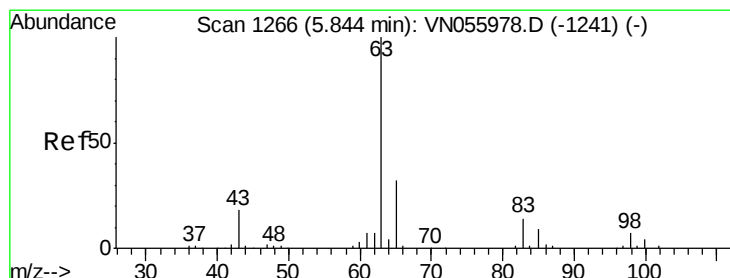
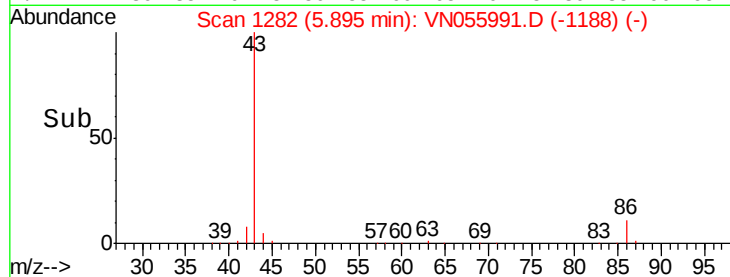
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.979 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

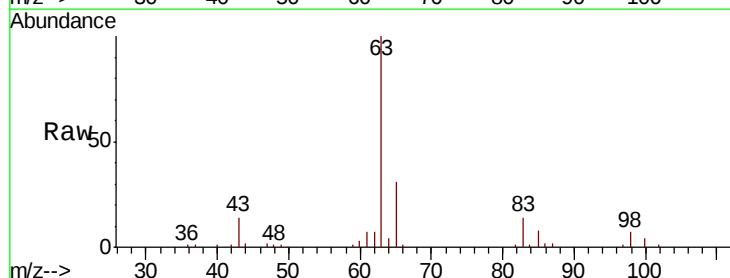
Tgt Ion: 63 Resp: 109763

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

40000

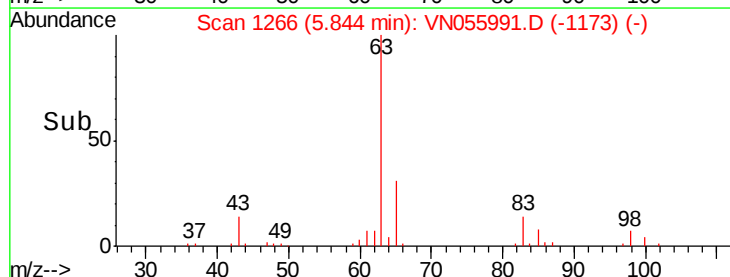
30000

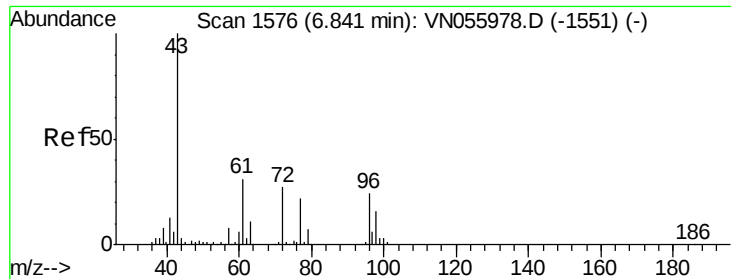
20000

10000

0

Time-->

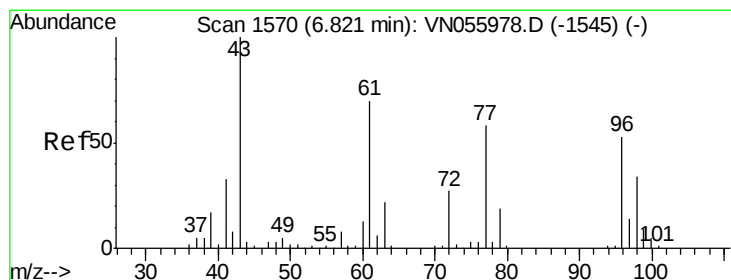
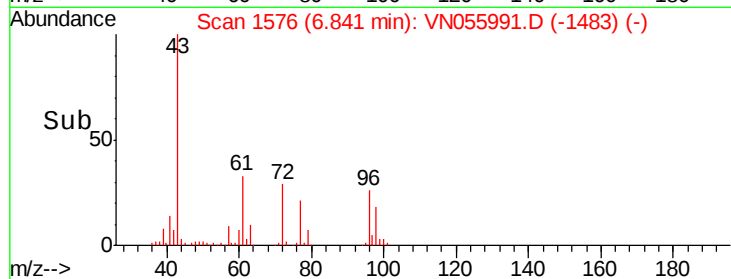
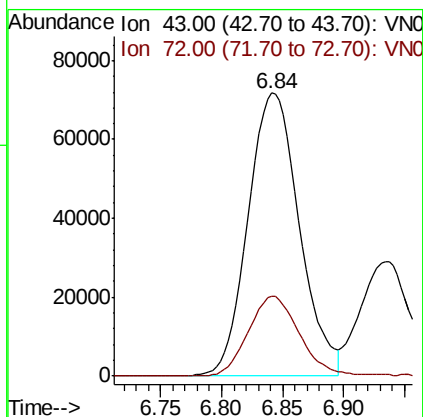
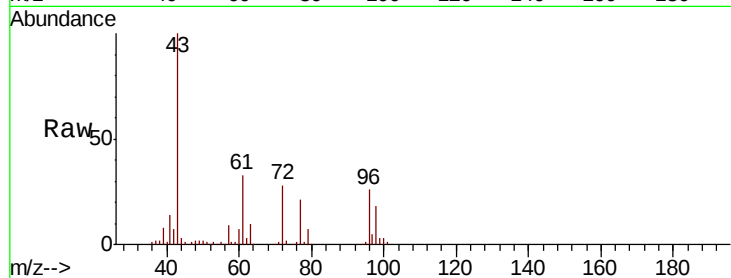




#25
 2-Butanone
 Concen: 104.746 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

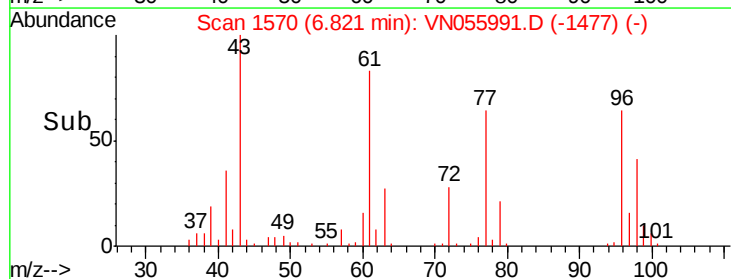
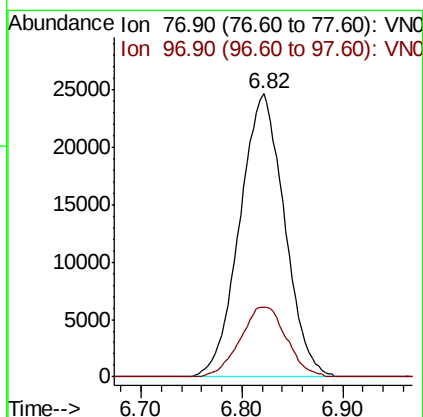
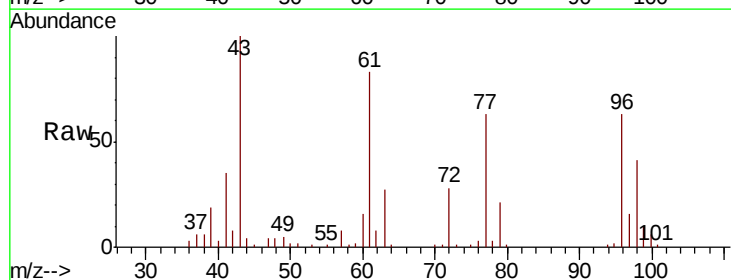
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

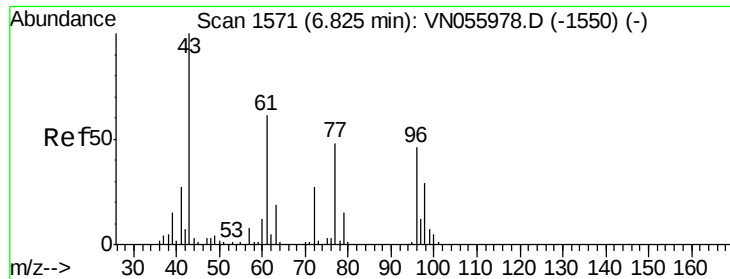
Tot Ion: 43 Resp: 208030
 Ion Ratio Lower Upper
 43 100
 72 28.5 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 18.588 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 77 Resp: 75890
 Ion Ratio Lower Upper
 77 100
 97 25.5 12.2 36.6

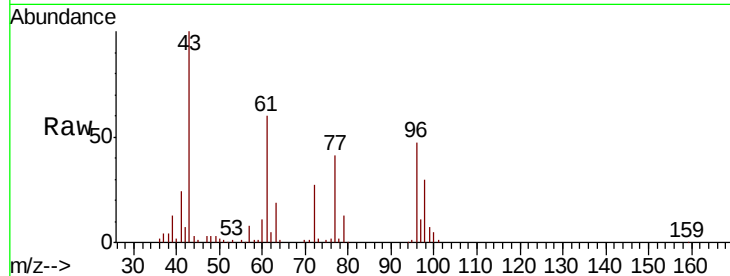




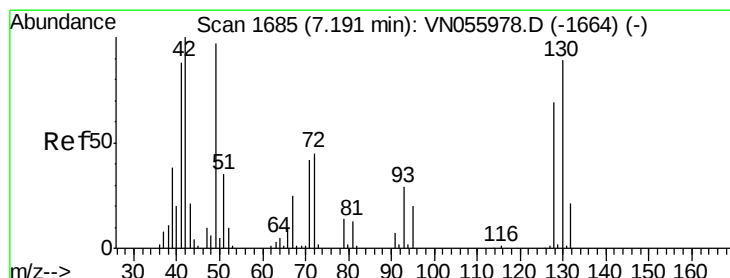
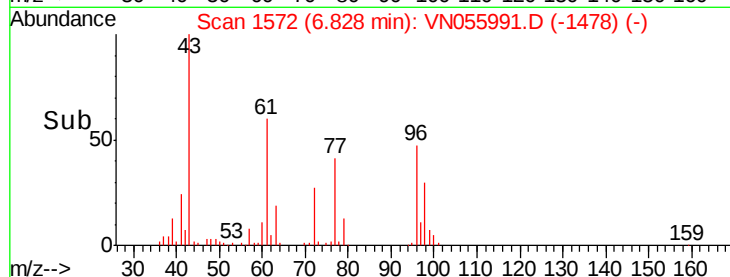
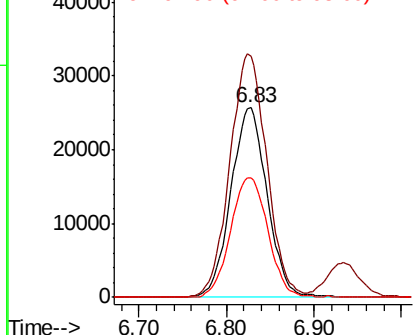
#27
 cis-1,2-Dichloroethene
 Concen: 21.071 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion: 96 Resp: 73744
 Ion Ratio Lower Upper
 96 100
 61 130.8 0.0 275.8
 98 64.8 0.0 128.4

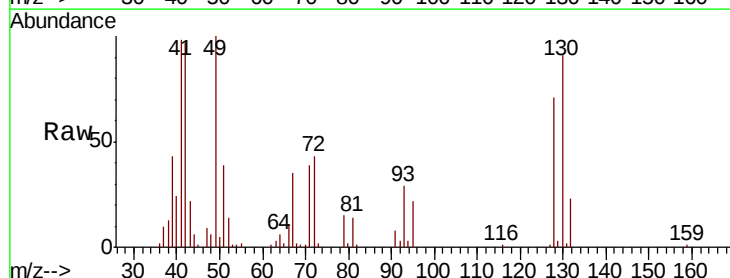


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

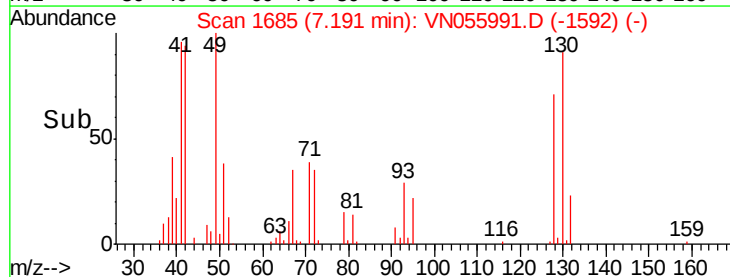
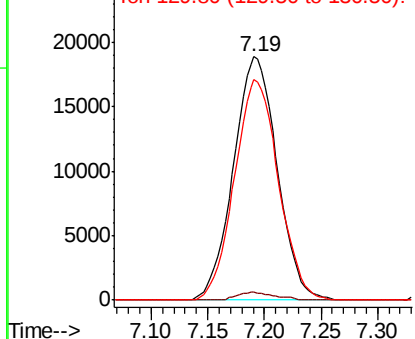


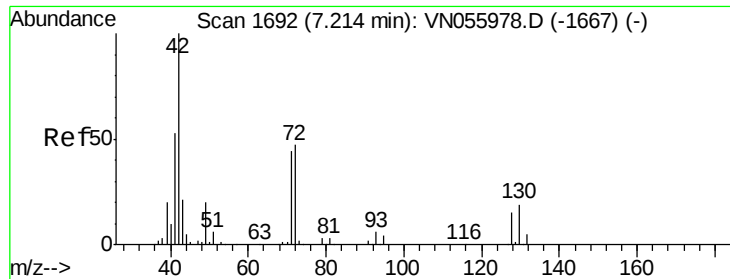
#28
 Bromochloromethane
 Concen: 20.493 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 49 Resp: 50705
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 4.4
 130 91.0 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 112.230 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

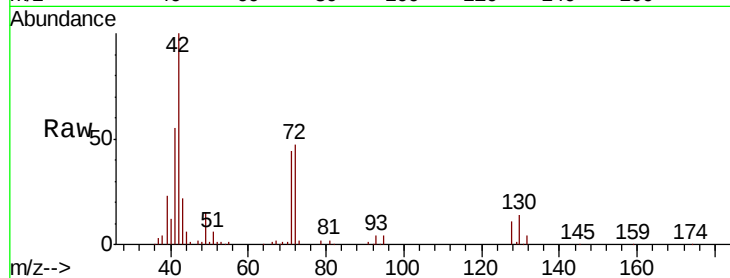
Tot Ion: 42 Resp: 137780

Ion Ratio Lower Upper

42 100

72 46.3 35.9 53.9

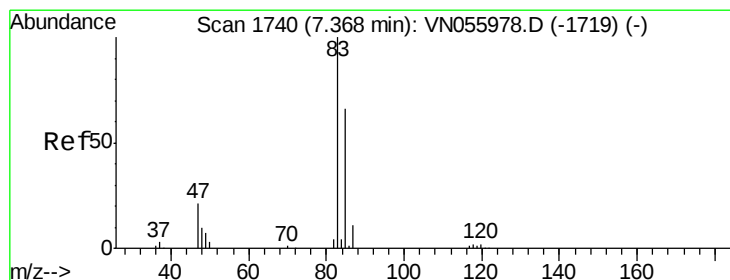
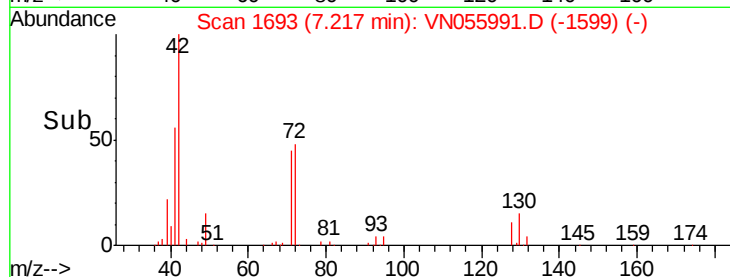
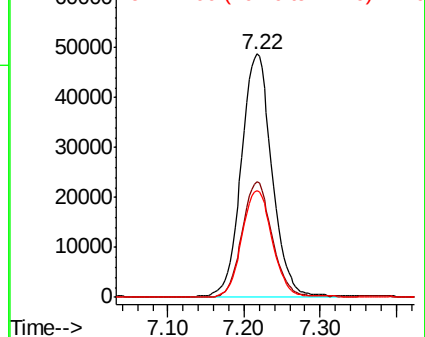
71 43.2 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.049 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055991.D

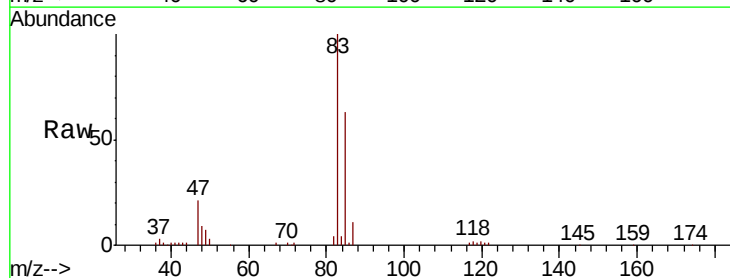
Acq: 4 Jun 2019 15:14

Tgt Ion: 83 Resp: 110786

Ion Ratio Lower Upper

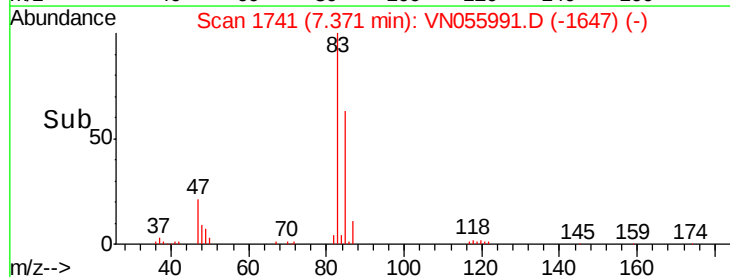
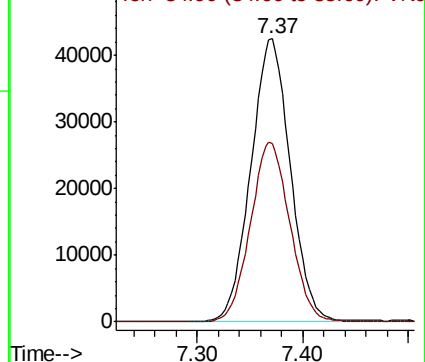
83 100

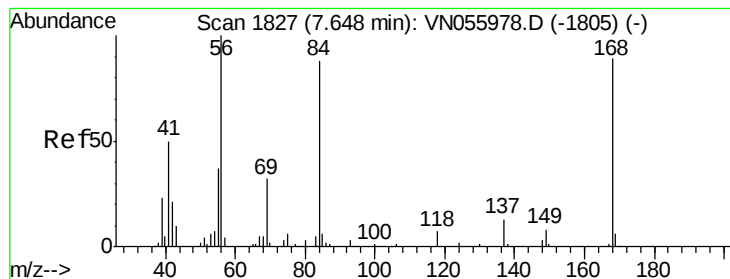
85 62.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.724 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

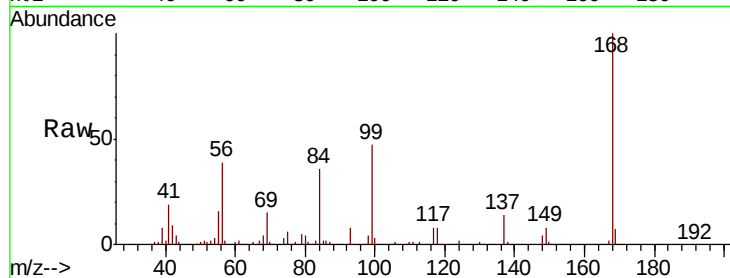
Tot Ion: 56 Resp: 108080

Ion Ratio Lower Upper

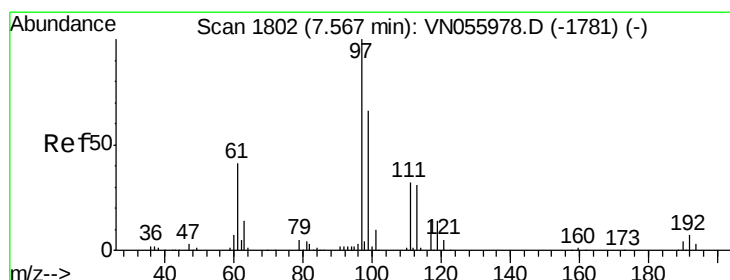
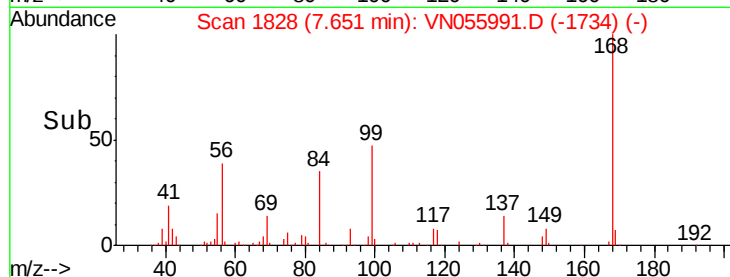
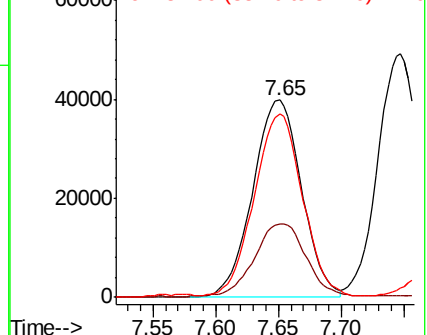
56 100

69 36.7 25.6 38.4

84 91.6 67.4 101.0



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: 20.737 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

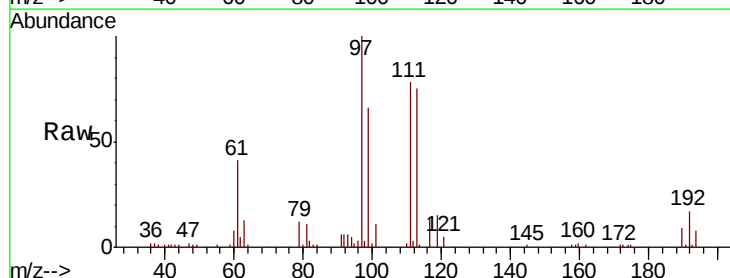
Tgt Ion: 97 Resp: 91142

Ion Ratio Lower Upper

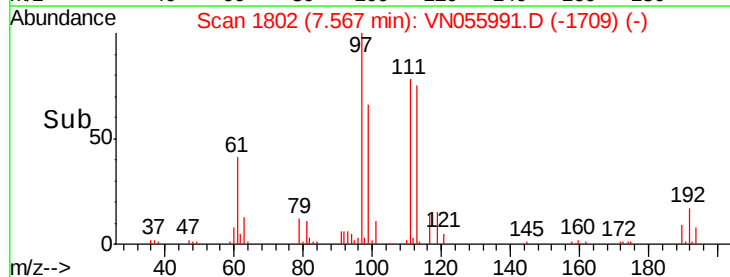
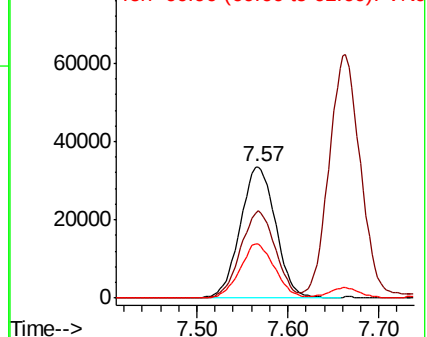
97 100

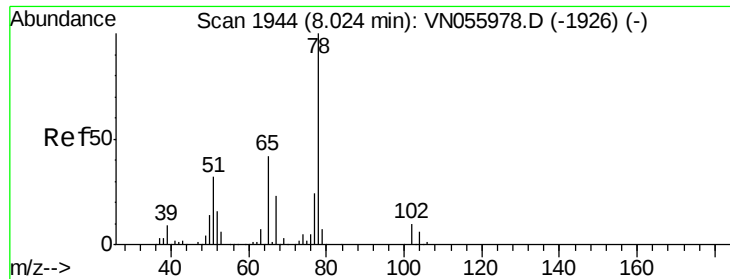
99 64.6 52.0 78.0

61 40.2 32.9 49.3



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

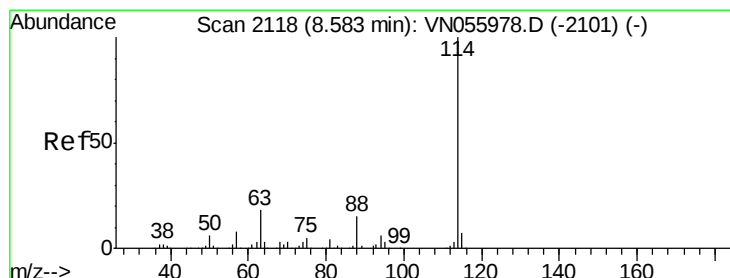
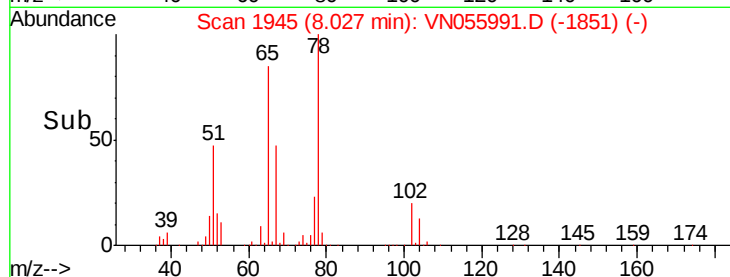
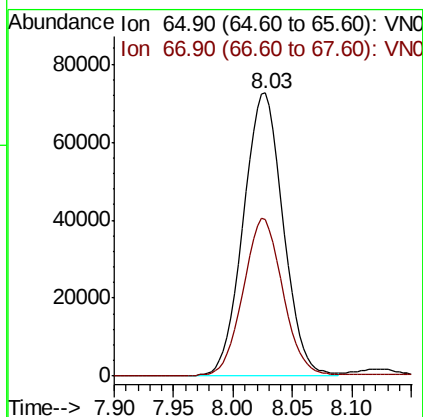
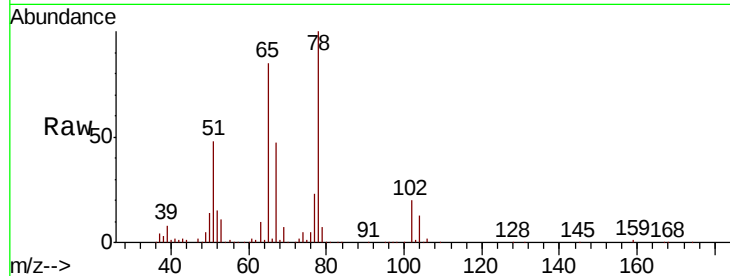




#33
 1,2-Dichloroethane-d4
 Concen: 51.364 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

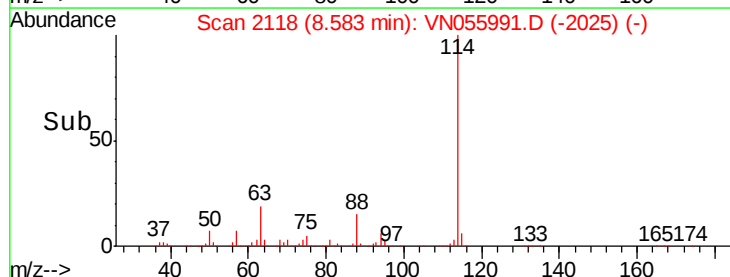
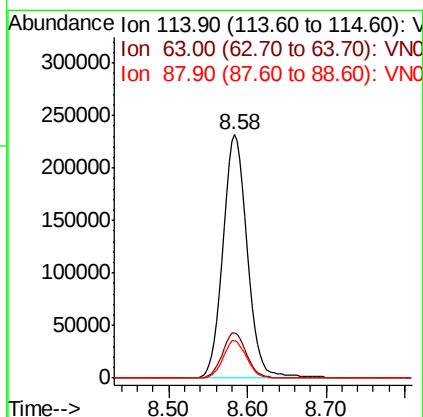
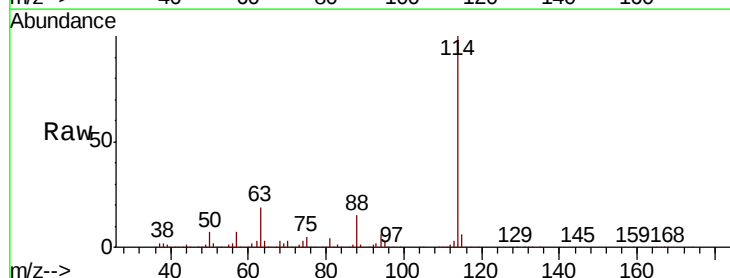
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

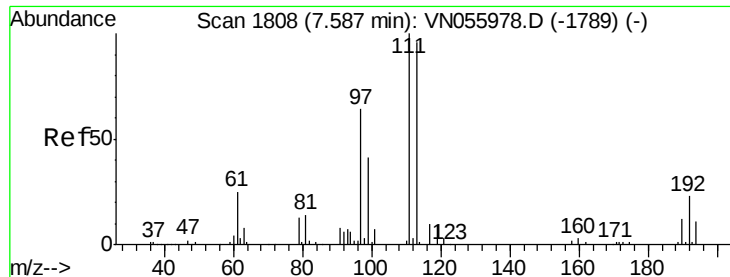
Tot Ion: 65 Resp: 168816
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 114 Resp: 493334
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.4 0.0 31.0

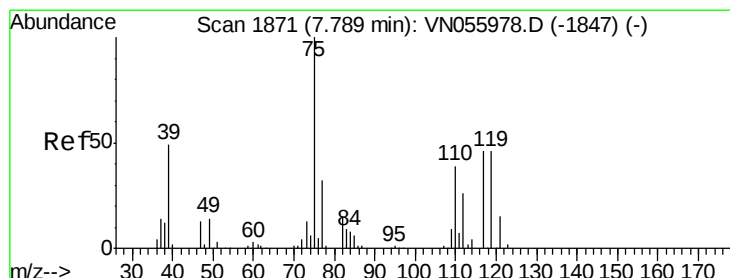
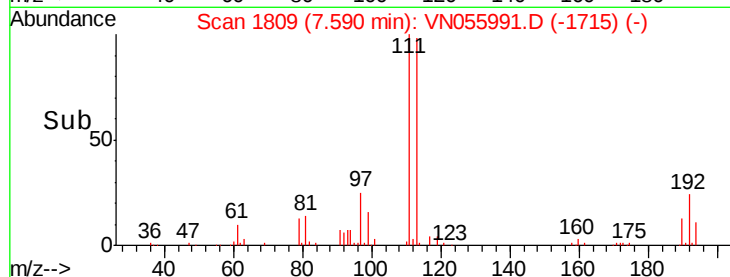
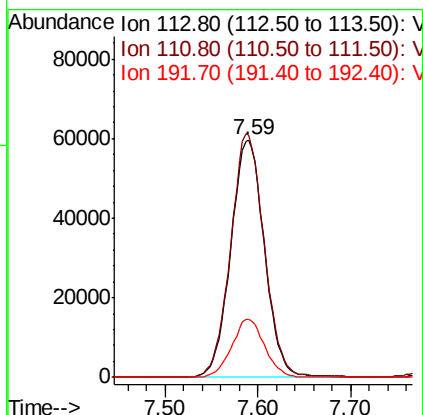
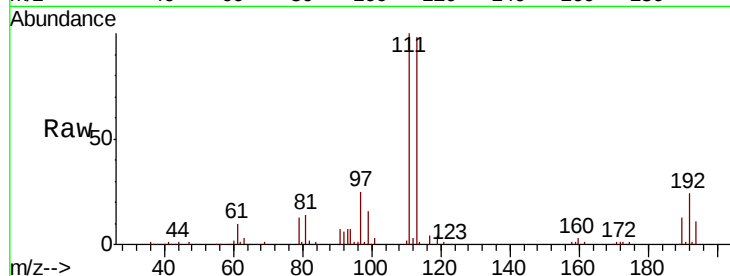




#35
 Dibromofluoromethane
 Concen: 49.555 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

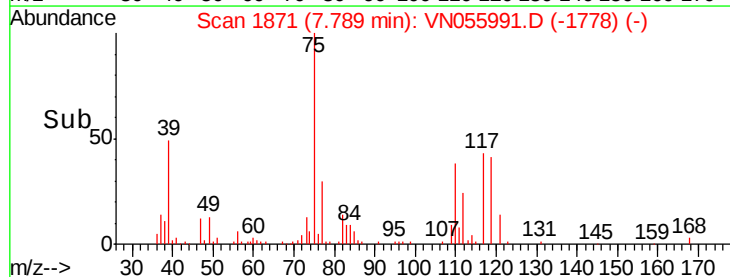
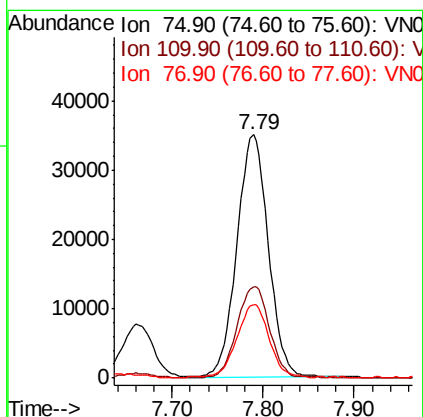
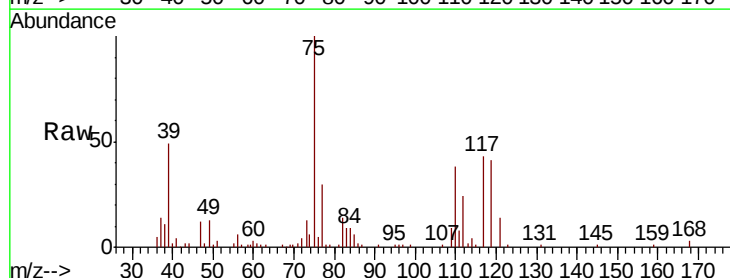
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

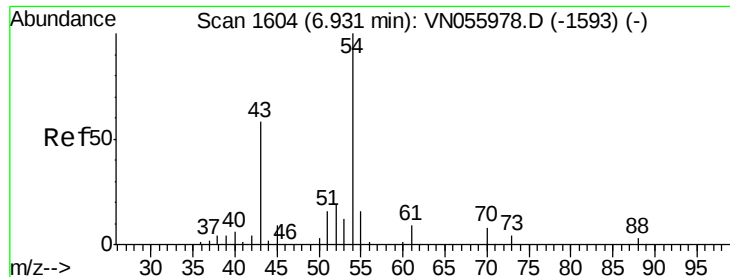
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	23.9	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 19.876 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.0	57.0
77	31.3	25.1	37.7

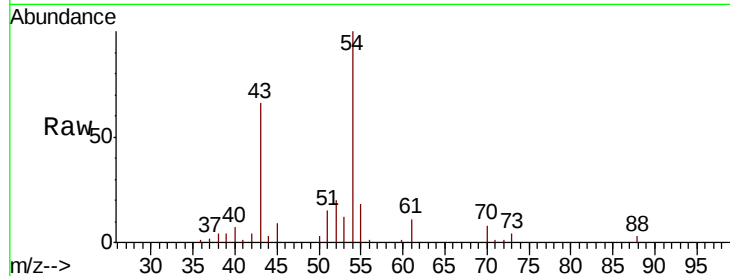




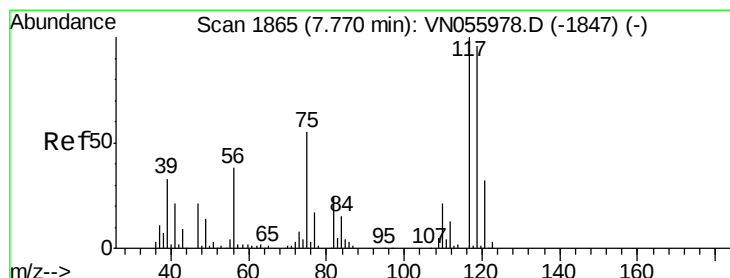
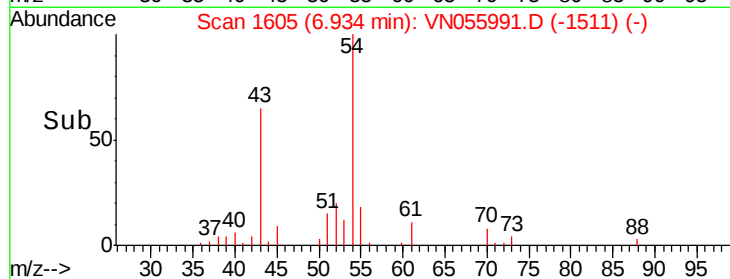
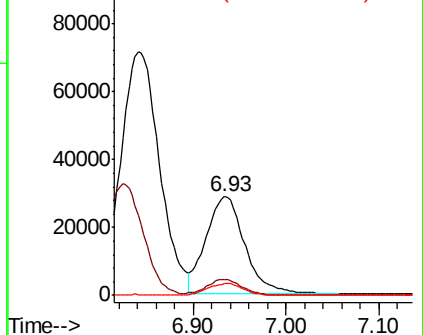
#37
Ethyl Acetate
Concen: 22.174 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleID :
VN0604MBSD01

Tot Ion: 43 Resp: 83692
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 11.0 8.9 13.3

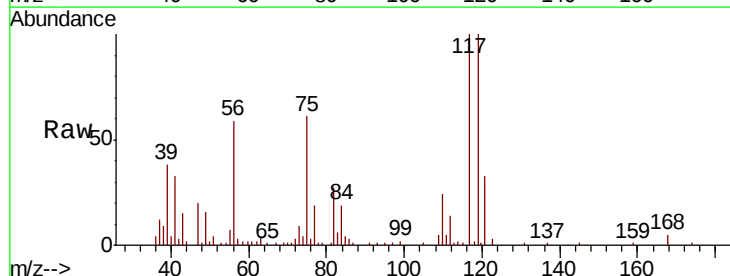


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

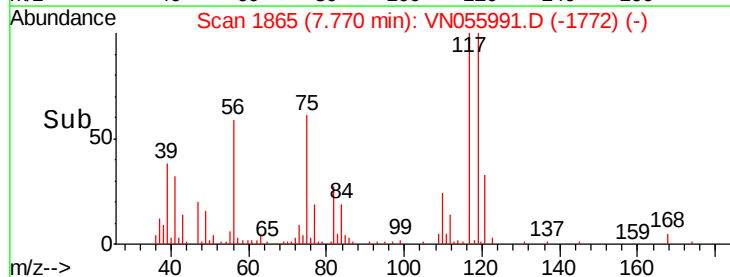
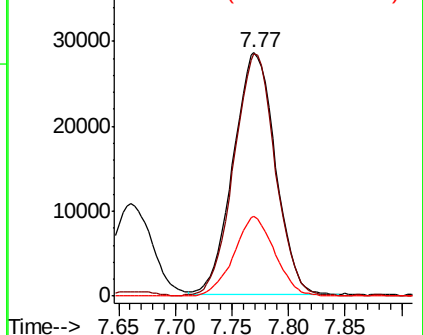


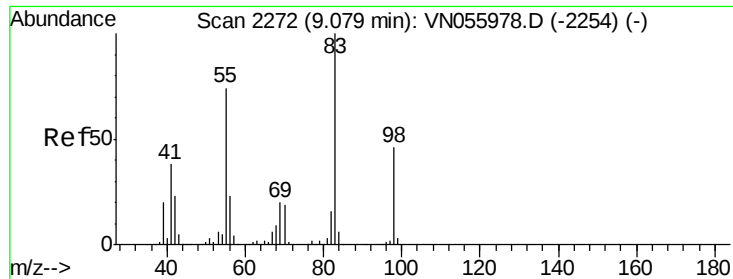
#38
Carbon Tetrachloride
Concen: 18.879 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 117 Resp: 73835
Ion Ratio Lower Upper
117 100
119 100.6 79.0 118.6
121 33.1 24.7 37.1



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

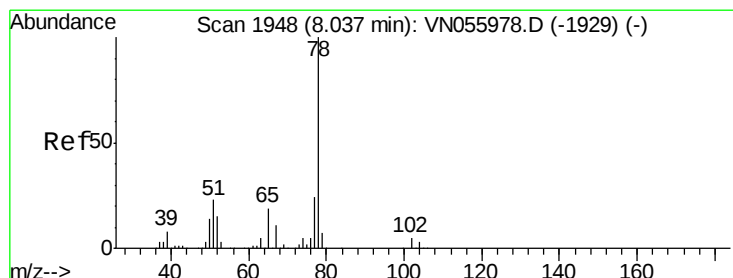
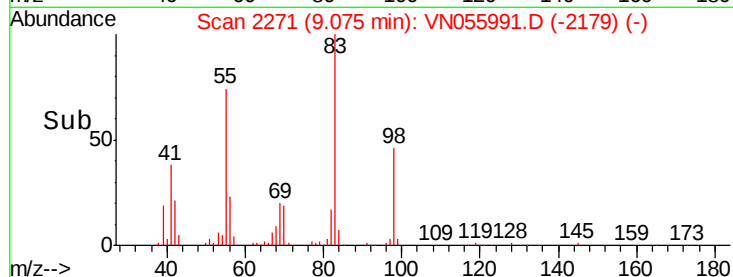
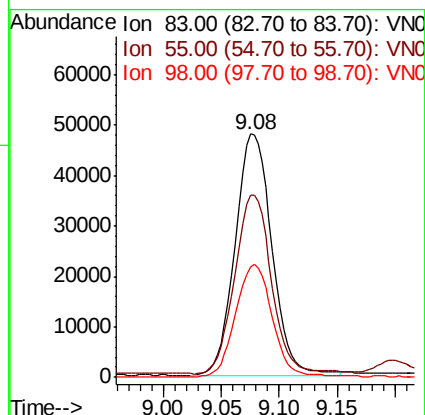
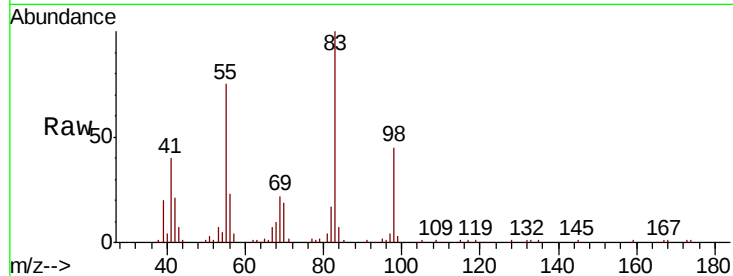




#39
Methvlcvclohexane
Concen: 19.956 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

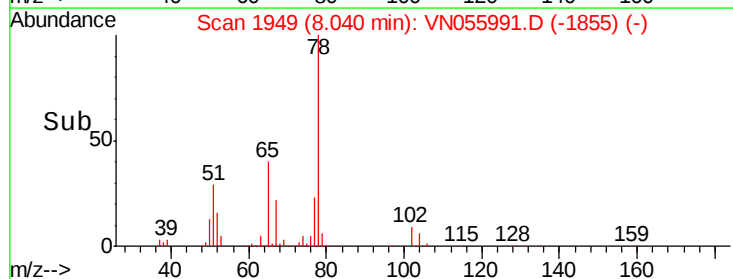
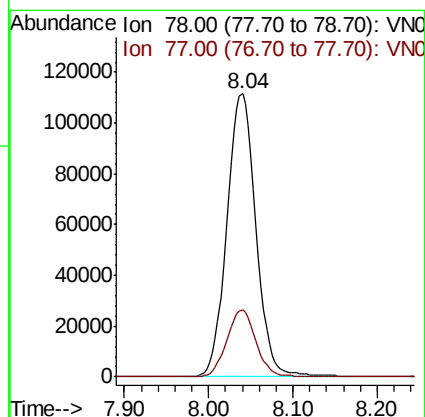
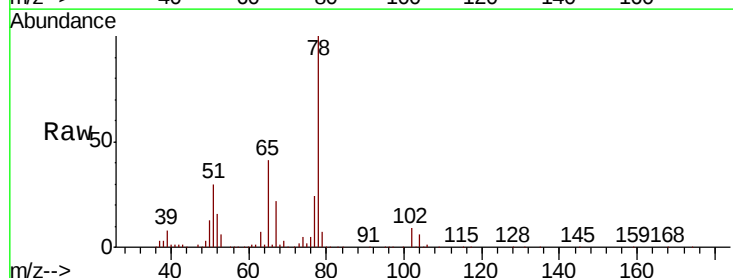
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

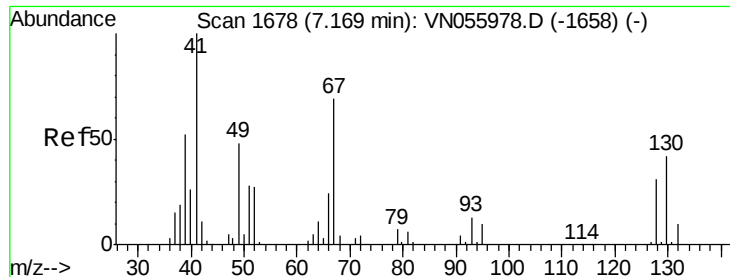
Tot Ion: 83 Resp: 105453
Ion Ratio Lower Upper
83 100
55 73.8 59.3 88.9
98 45.6 36.6 54.8



#40
Benzene
Concen: 20.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 78 Resp: 267128
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

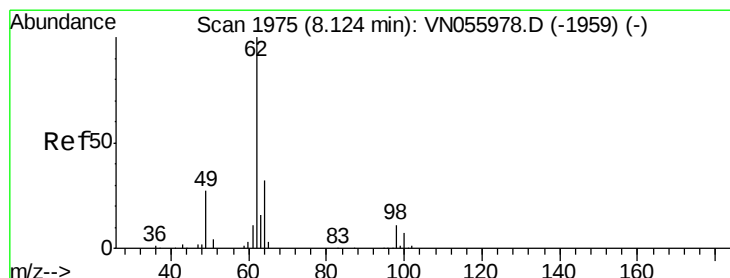
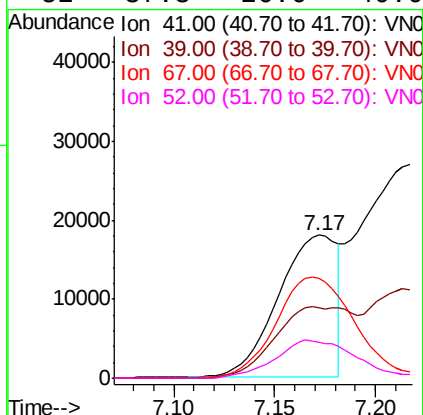
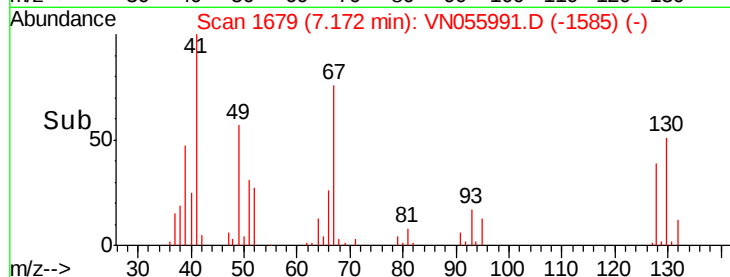
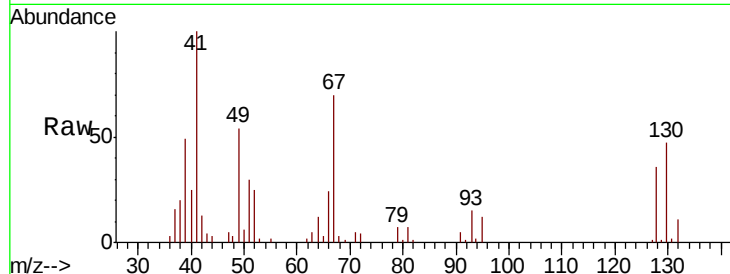




#41
Methacrylonitrile
Concen: 20.855 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

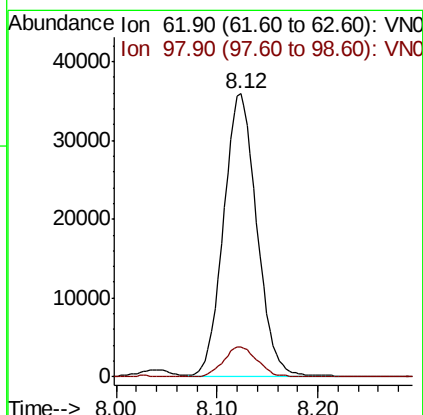
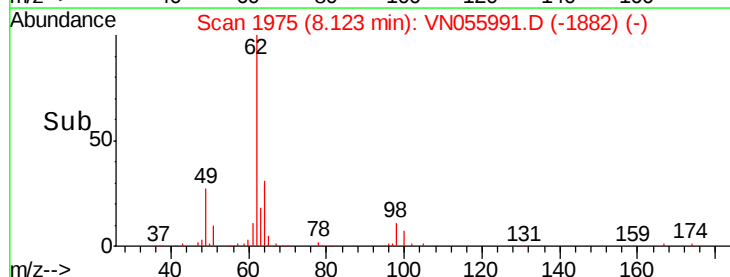
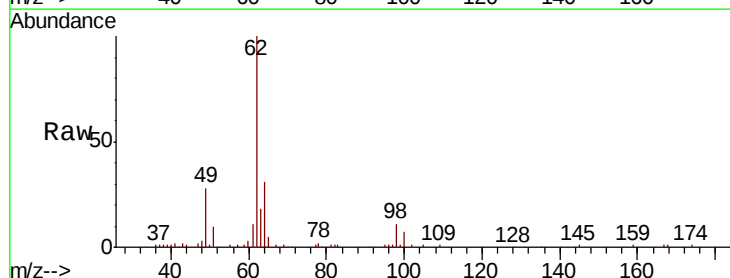
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

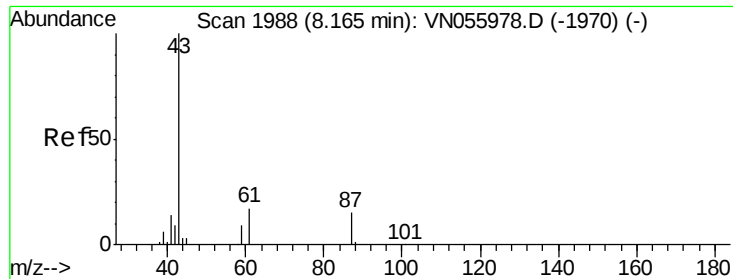
Tot Ion: 41 Resp: 36215
Ion Ratio Lower Upper
41 100
39 66.9 45.6 68.4
67 97.8 67.7 101.5
52 37.3 26.6 40.0



#42
1,2-Dichloroethane
Concen: 19.978 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 62 Resp: 82794
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 21.191 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

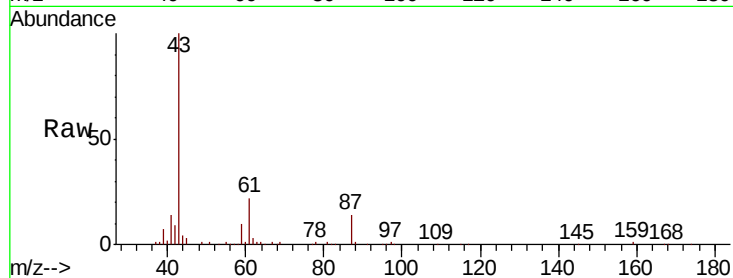
Tot Ion: 43 Resp: 129606

Ion Ratio Lower Upper

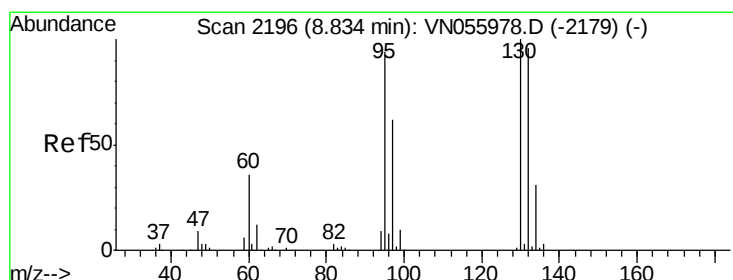
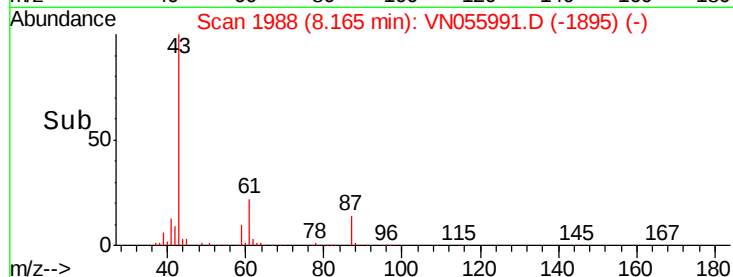
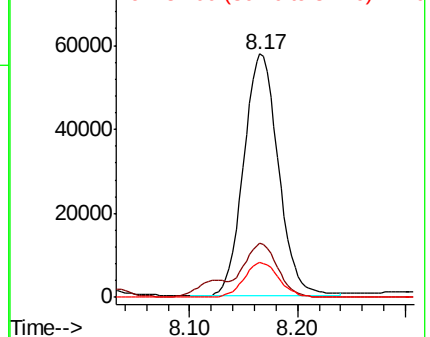
43 100

61 21.9 22.2 33.4#

87 14.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.494 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055991.D

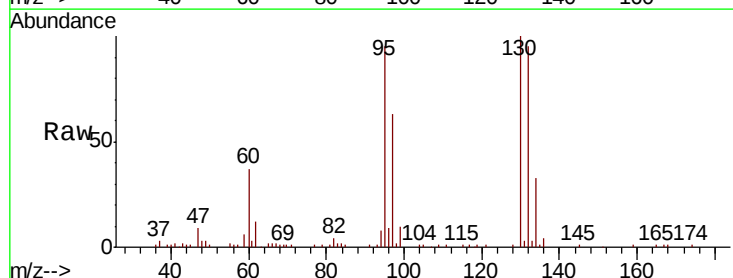
Acq: 4 Jun 2019 15:14

Tgt Ion:130 Resp: 75873

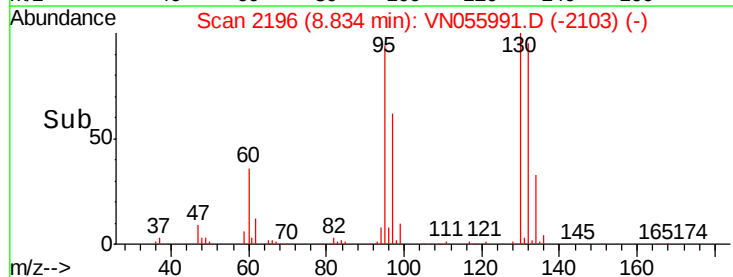
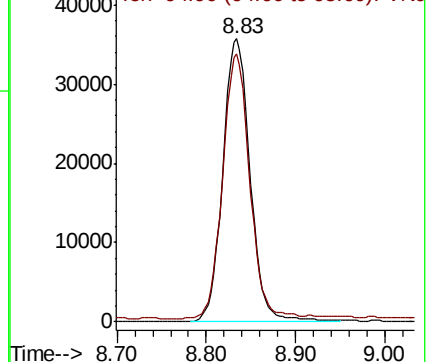
Ion Ratio Lower Upper

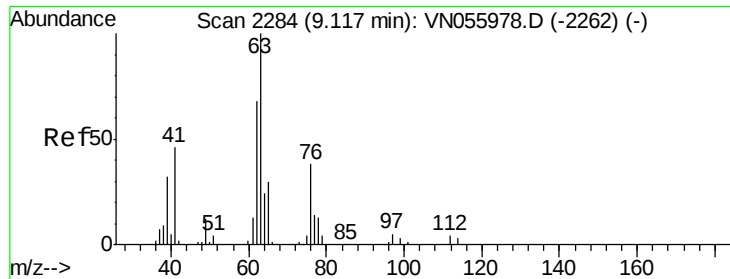
130 100

95 93.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.714 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

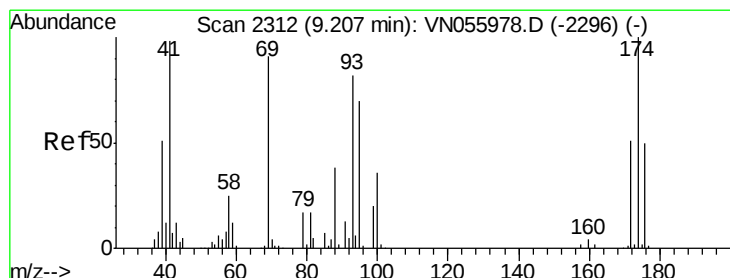
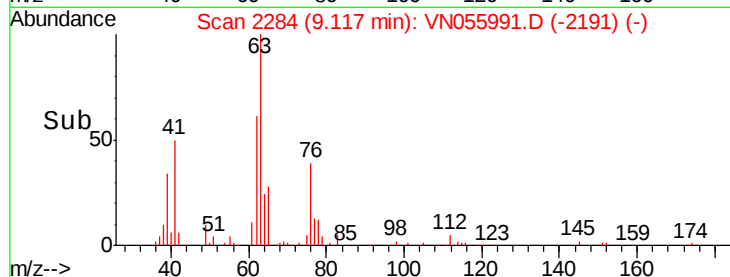
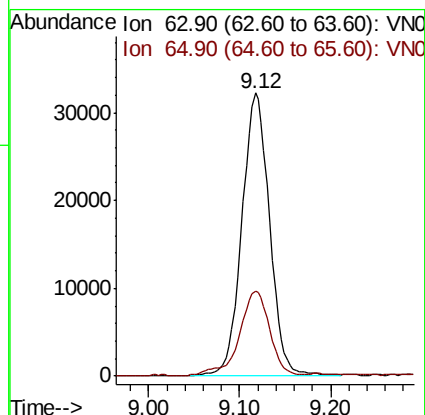
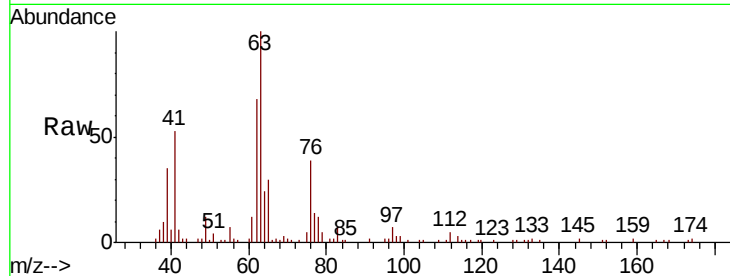
VN0604MBSD01

Tot Ion: 63 Resp: 68358

Ion Ratio Lower Upper

63 100

65 29.3 24.6 36.8



#46

Dibromomethane

Concen: 20.081 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

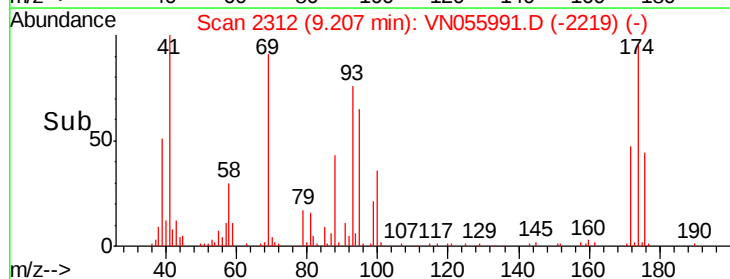
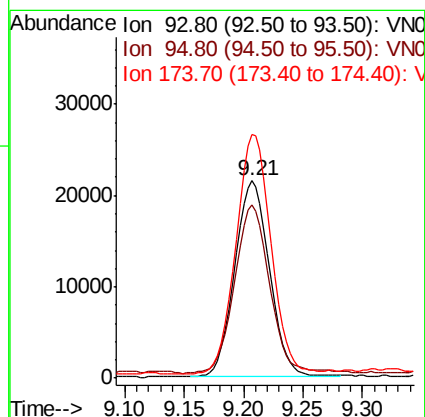
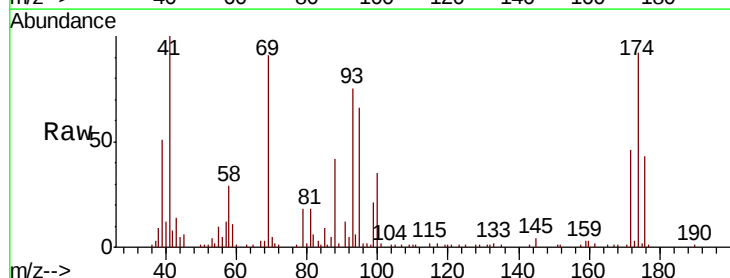
Tgt Ion: 93 Resp: 43336

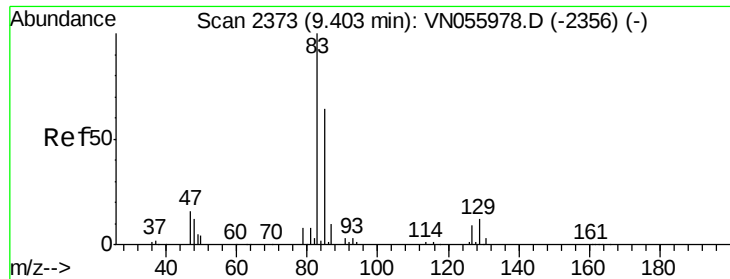
Ion Ratio Lower Upper

93 100

95 86.2 66.7 100.1

174 123.4 96.4 144.6





#47

Bromodichloromethane

Concen: 19.608 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

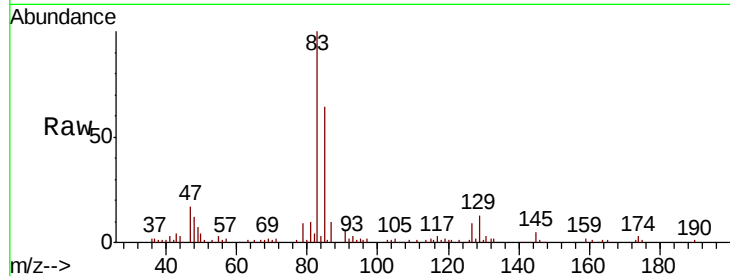
Tot Ion: 83 Resp: 76692

Ion Ratio Lower Upper

83 100

85 63.7 52.2 78.2

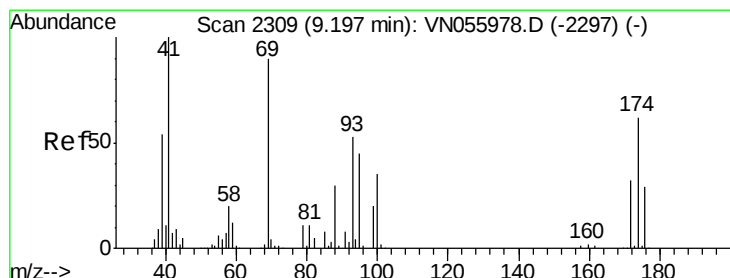
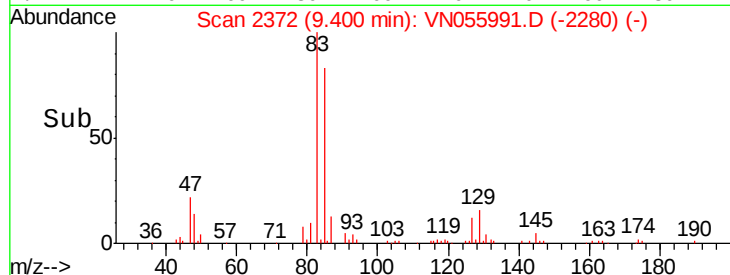
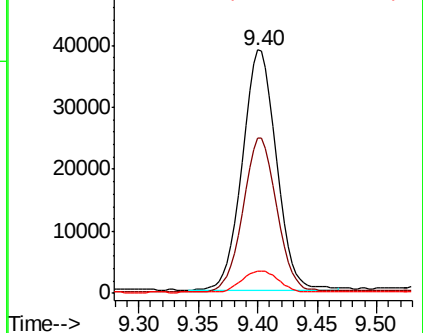
127 8.6 7.4 11.0



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: 21.186 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

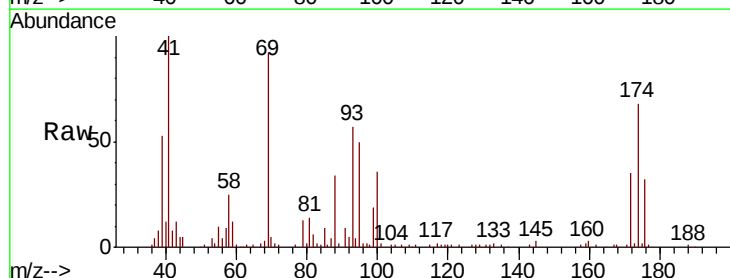
Tgt Ion: 41 Resp: 63392

Ion Ratio Lower Upper

41 100

69 94.0 71.0 106.6

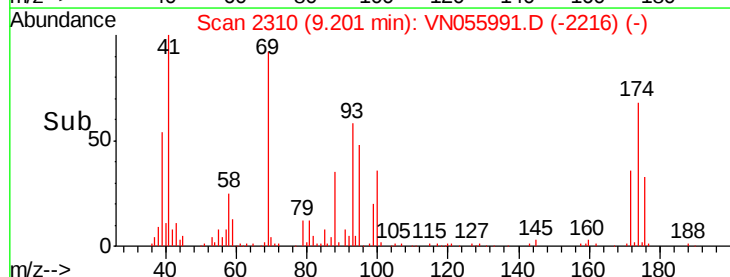
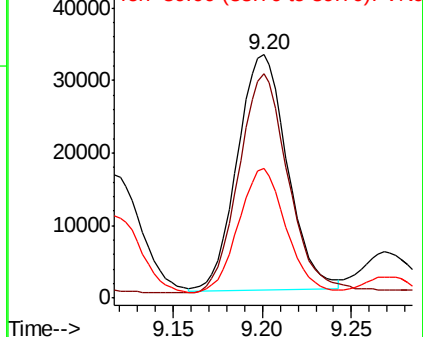
39 52.9 44.2 66.2

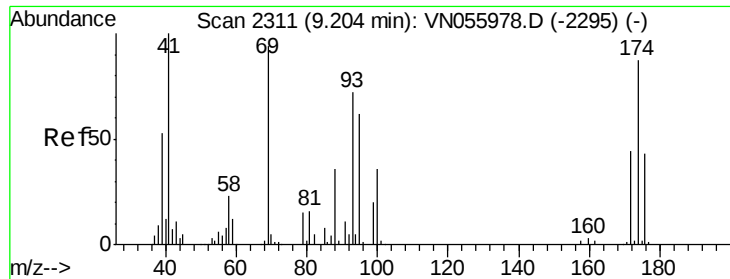


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 422.549 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

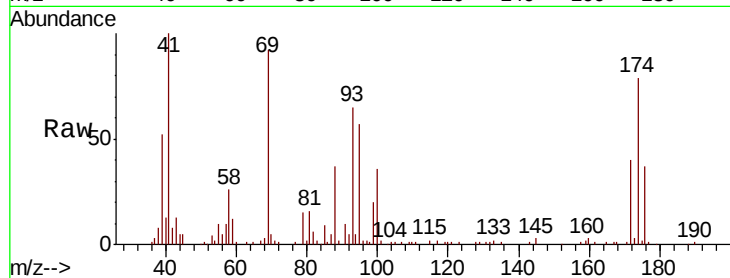
Tot Ion: 88 Resp: 27296

Ion Ratio Lower Upper

88 100

43 28.1 20.5 30.7

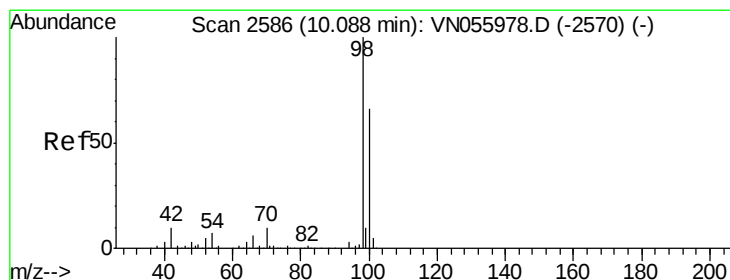
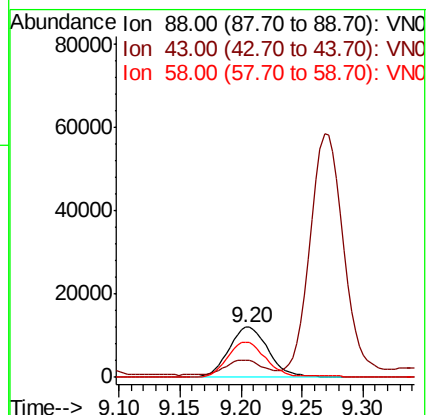
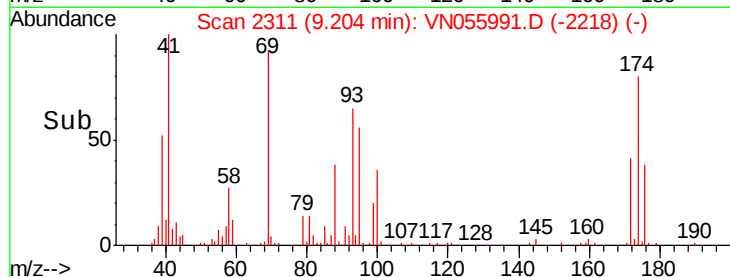
58 69.8 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.693 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055991.D

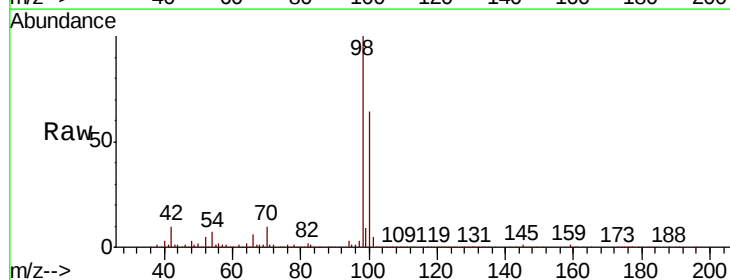
Acq: 4 Jun 2019 15:14

Tgt Ion: 98 Resp: 590417

Ion Ratio Lower Upper

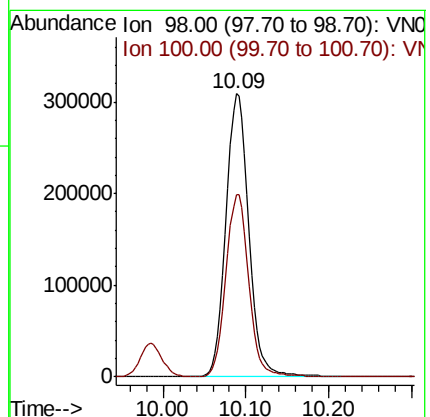
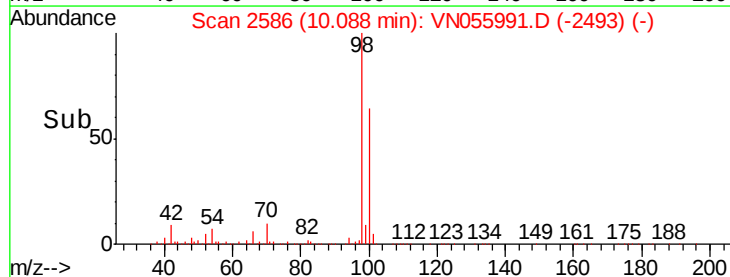
98 100

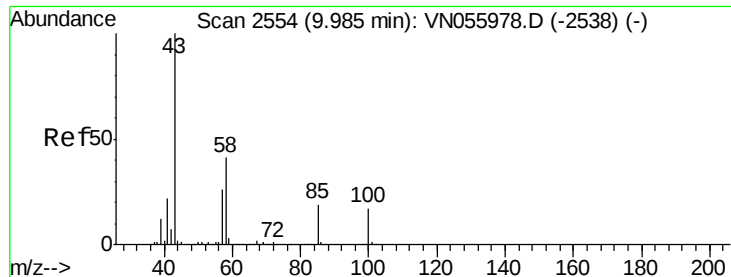
100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

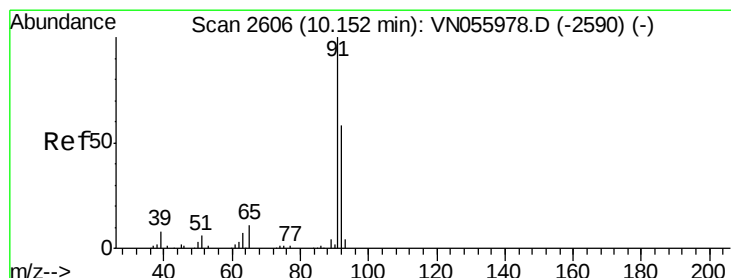
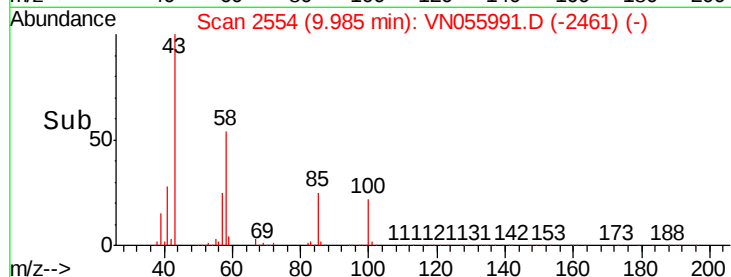
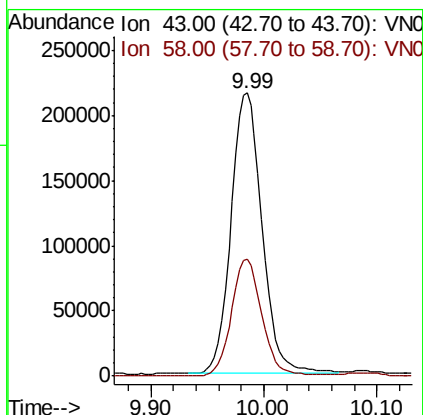
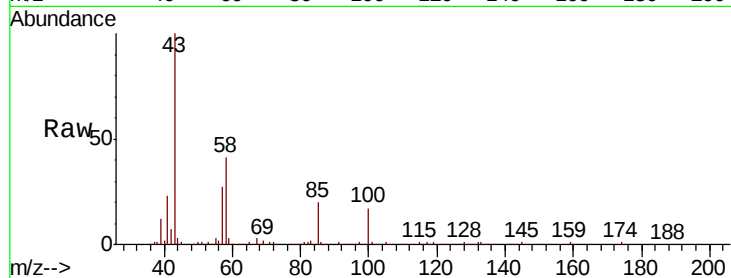




#51
4-Methyl-2-Pentanone
Concen: 107.726 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

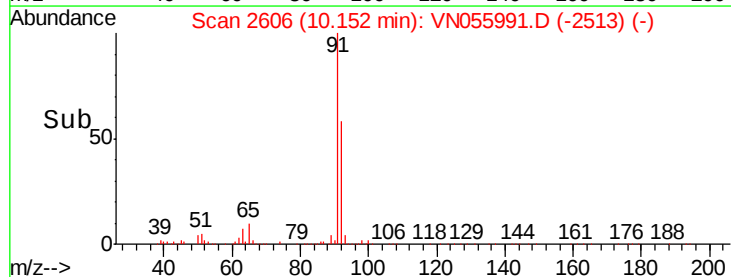
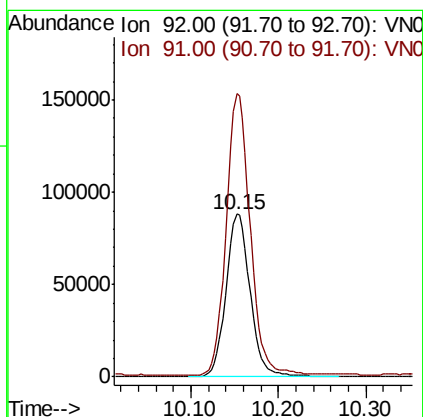
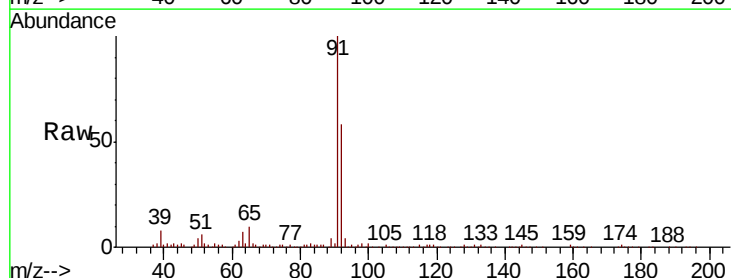
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

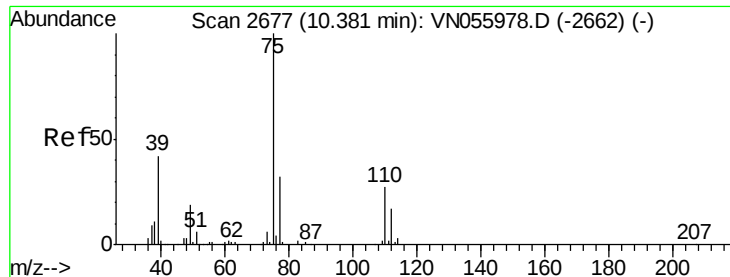
Tot Ion: 43 Resp: 412027
Ion Ratio Lower Upper
43 100
58 41.1 32.1 48.1



#52
Toluene
Concen: 20.960 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 92 Resp: 168037
Ion Ratio Lower Upper
92 100
91 172.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 19.109 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

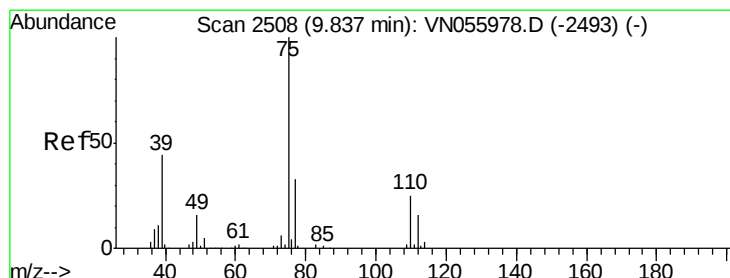
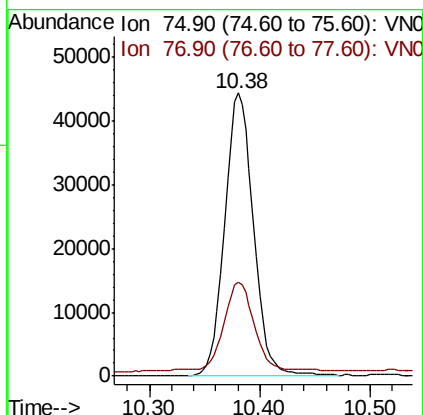
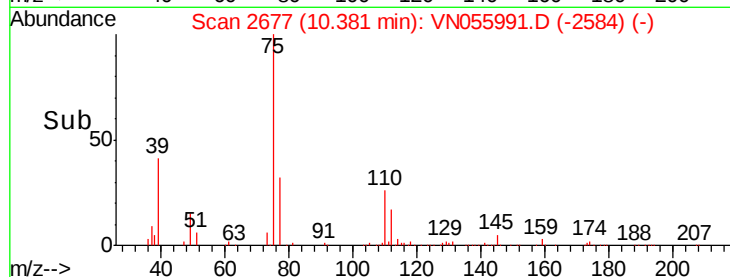
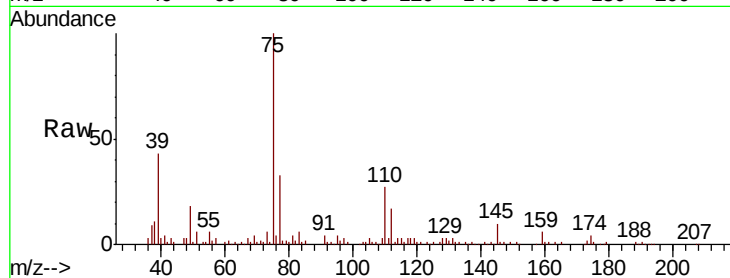
VN0604MBSD01

Tot Ion: 75 Resp: 80490

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.361 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

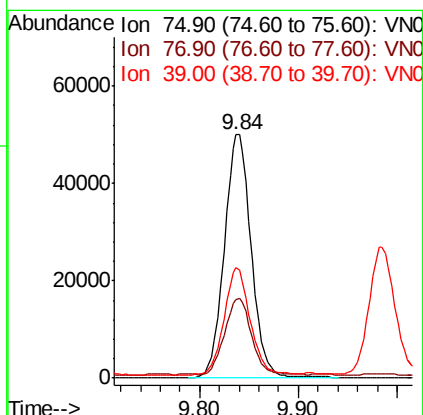
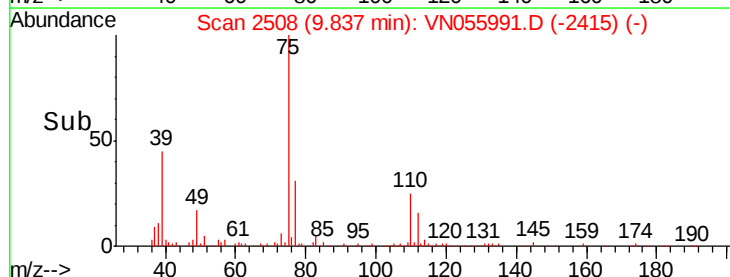
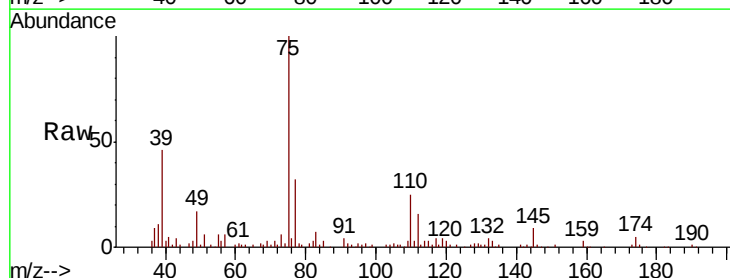
Tgt Ion: 75 Resp: 95726

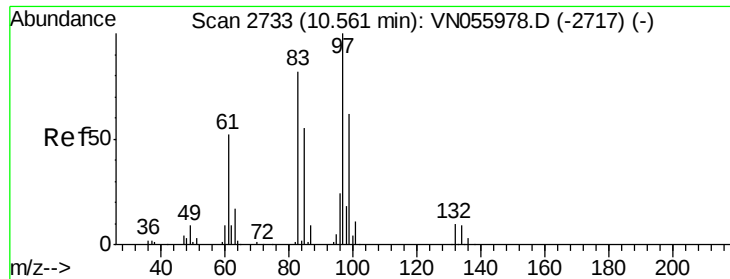
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 44.2 36.3 54.5



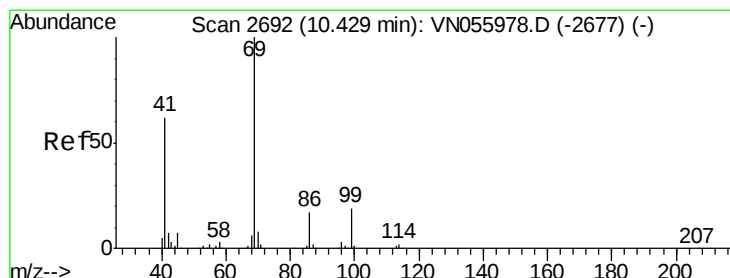
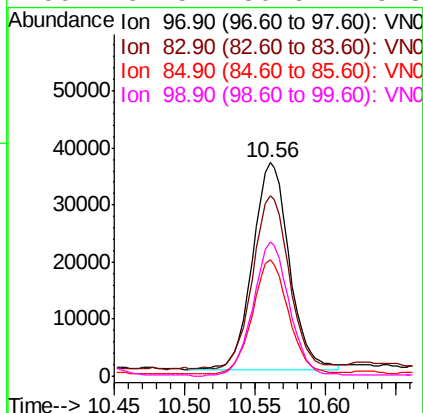
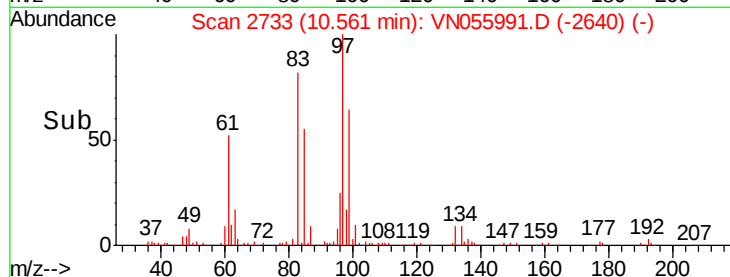
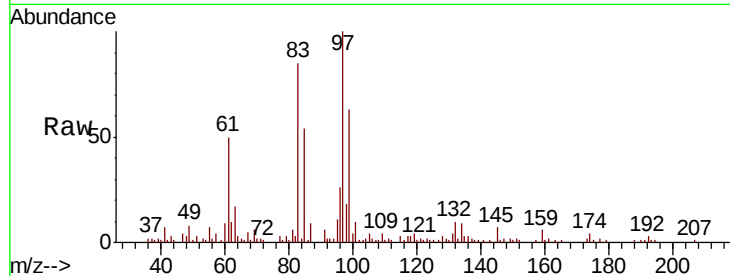


#55
 1,1,2-Trichloroethane
 Concen: 20.730 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion: 97 Resp: 65832

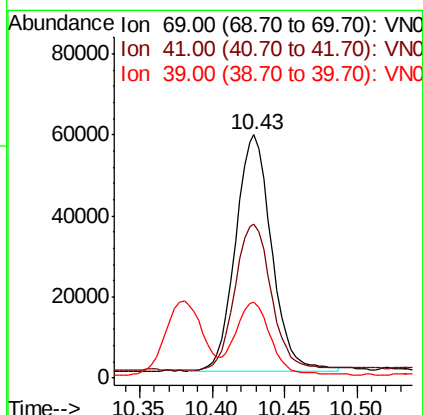
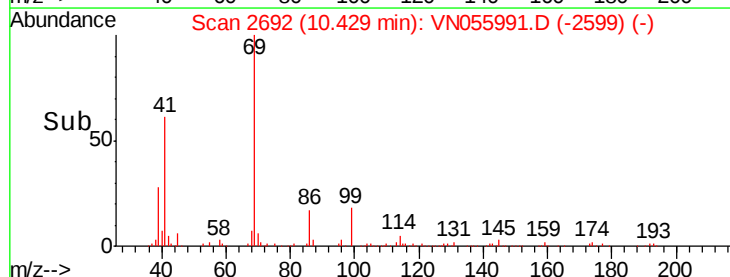
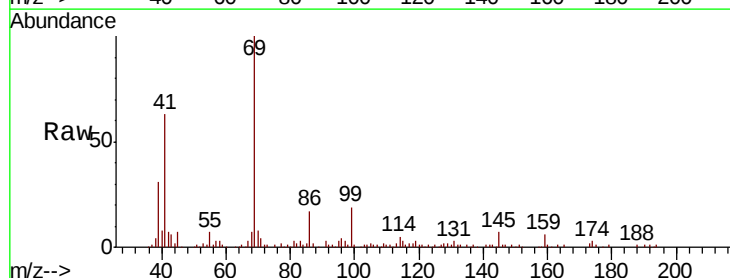
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.0	100.6
85	54.9	44.0	66.0
99	64.5	50.6	75.8

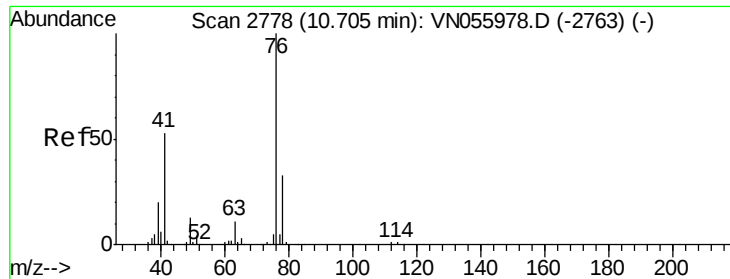


#56
 Ethyl methacrylate
 Concen: 21.665 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 69 Resp: 100375

Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	29.7	24.7	37.1

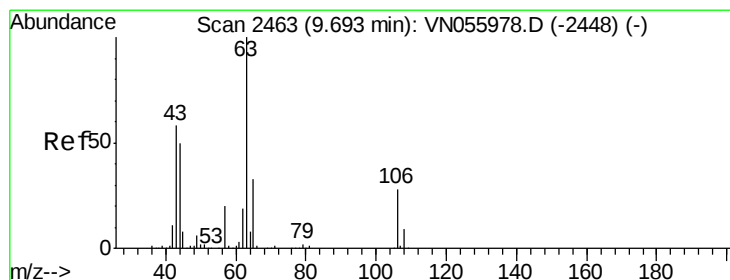
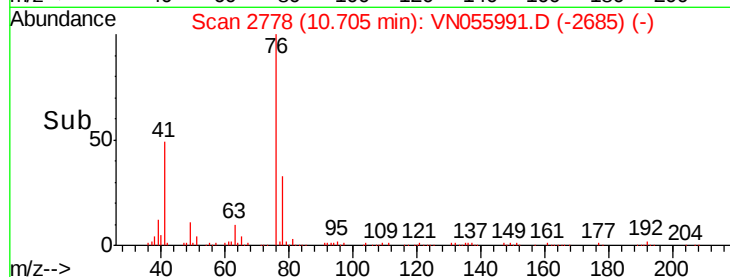
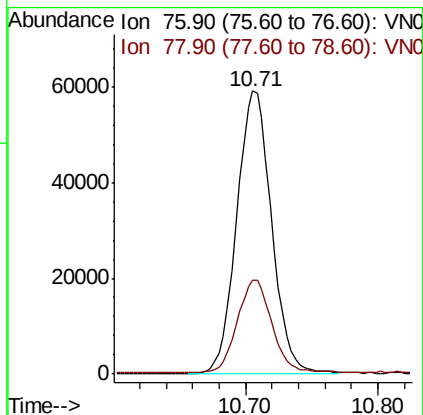
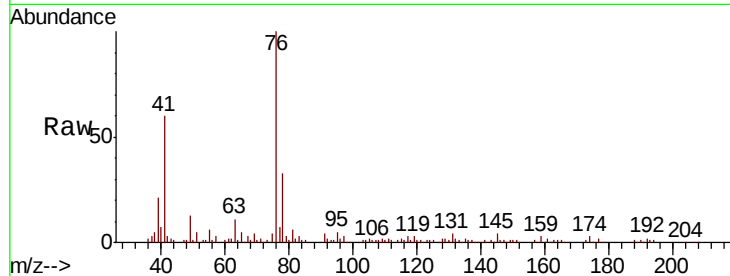




#57
 1,3-Dichloropropane
 Concen: 20.909 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

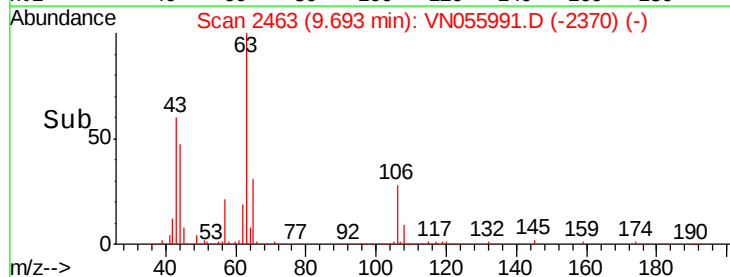
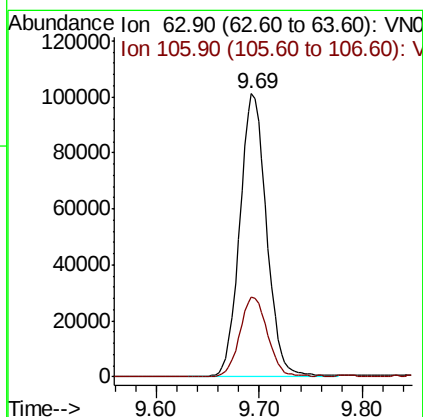
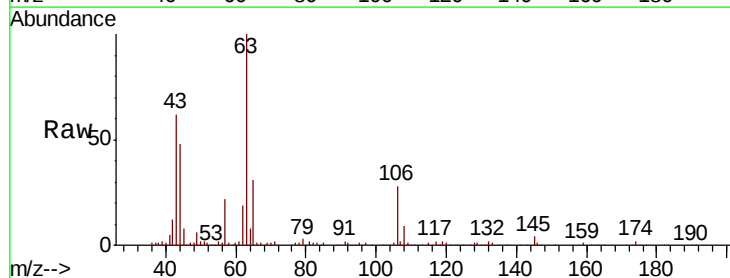
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

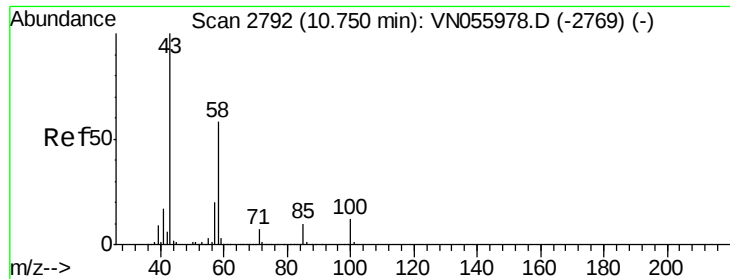
Tot Ion: 76 Resp: 107946
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.922 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 63 Resp: 183687
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.7 34.1

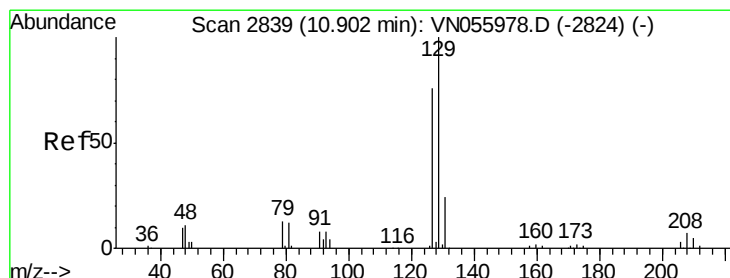
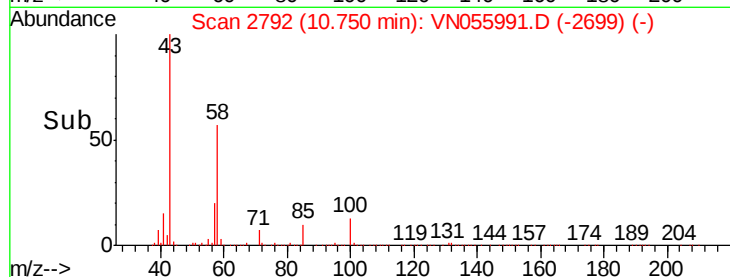
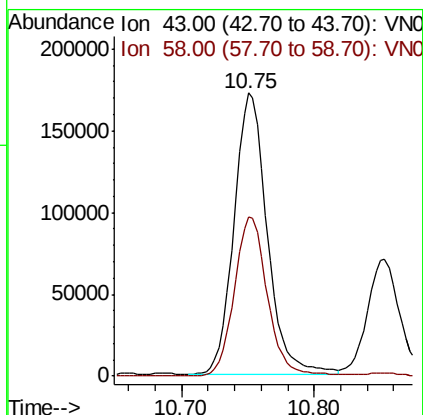
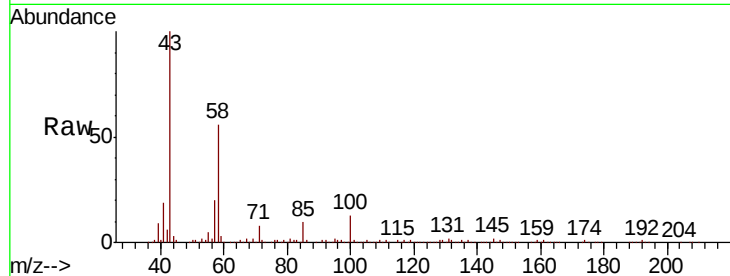




#59
2-Hexanone
Concen: 107.366 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

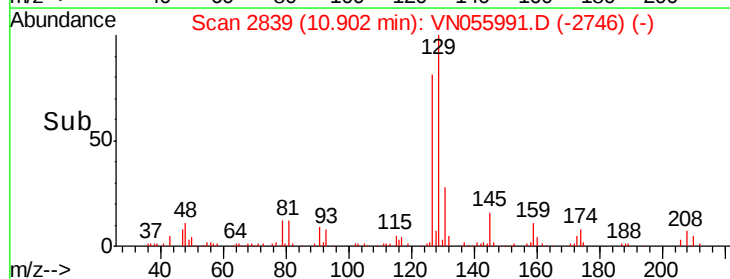
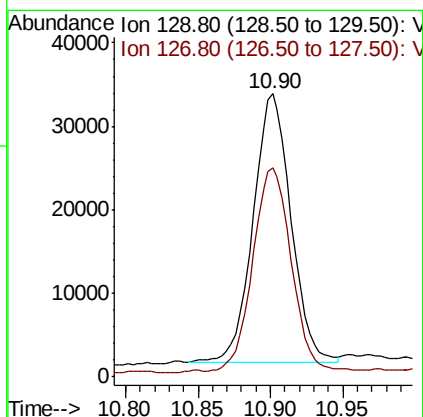
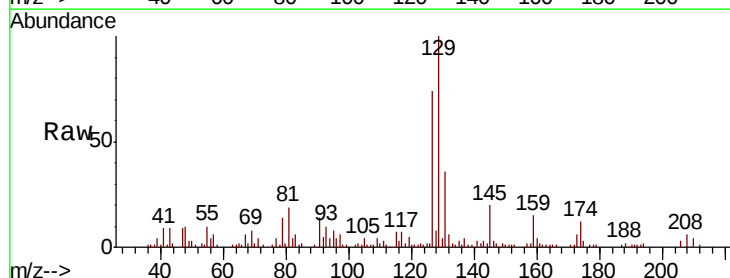
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

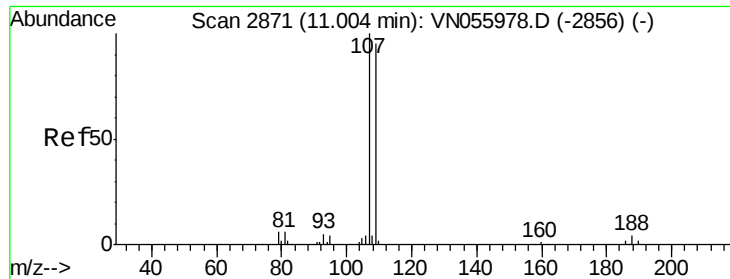
Tot Ion: 43 Resp: 297629
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7



#60
Dibromochloromethane
Concen: 18.224 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 129 Resp: 58090
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3

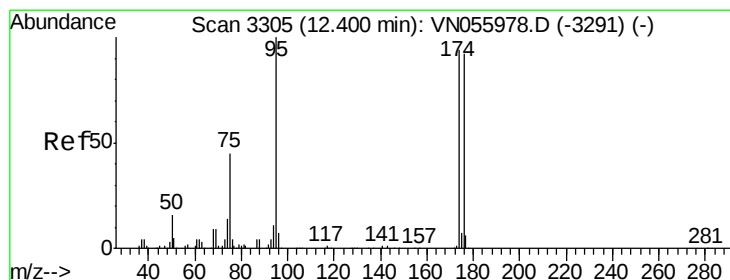
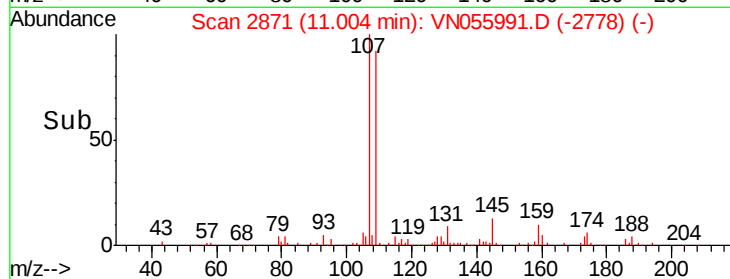
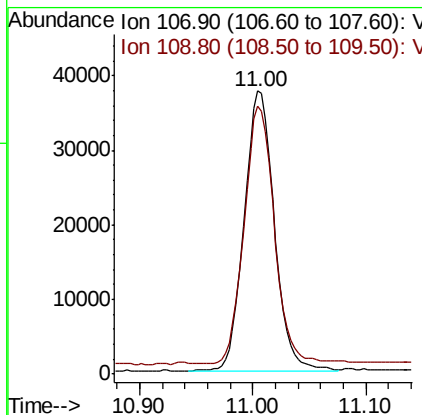
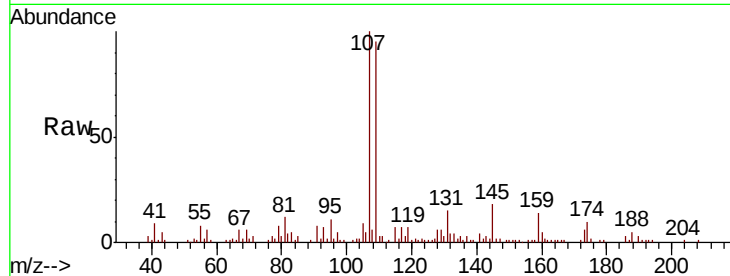




#61
 1,2-Dibromoethane
 Concen: 21.522 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

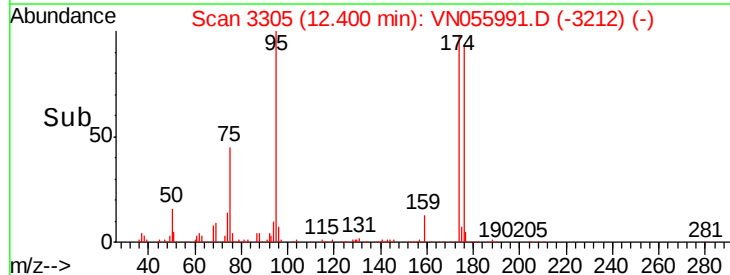
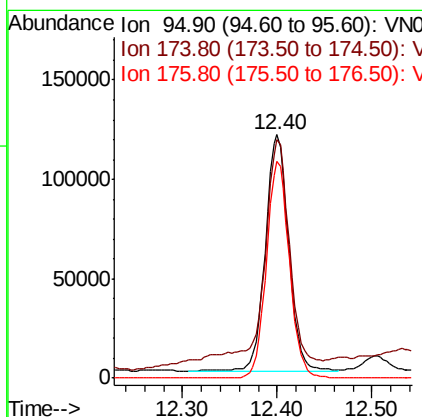
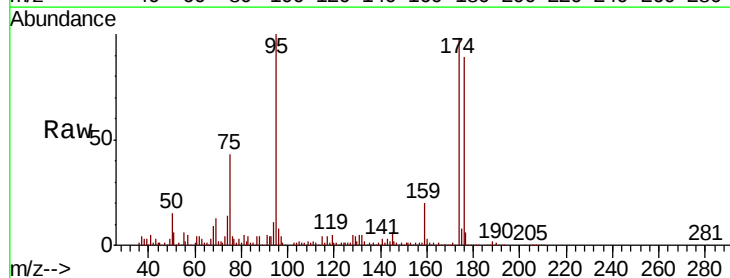
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

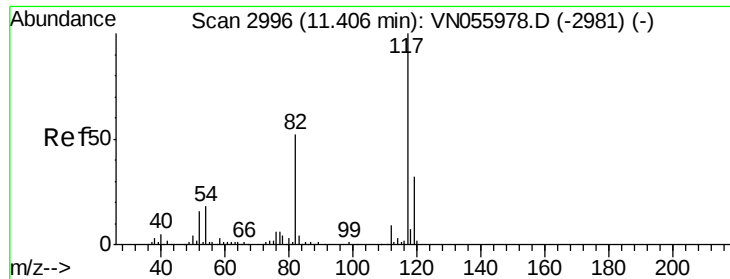
Tot Ion:107 Resp: 69871
 Ion Ratio Lower Upper
 107 100
 109 91.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.133 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion: 95 Resp: 202532
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 191.0
 176 91.0 0.0 185.2

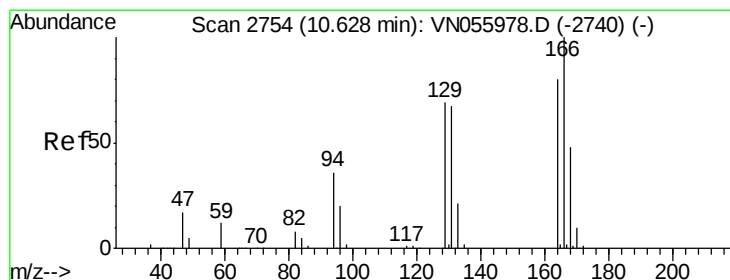
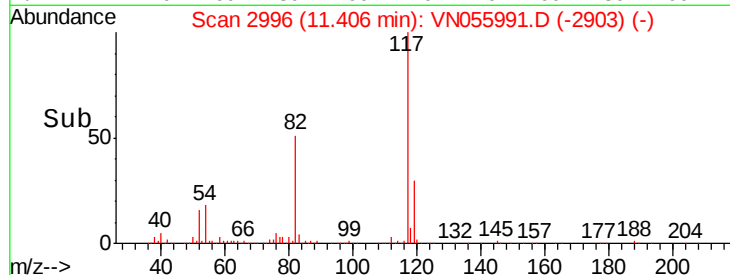
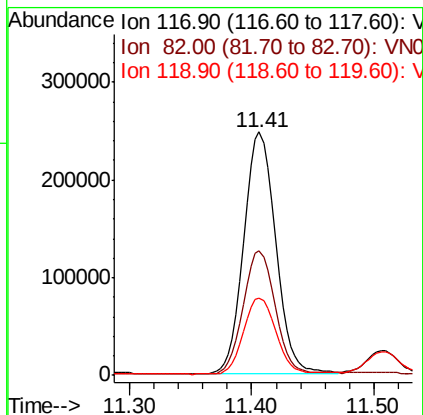
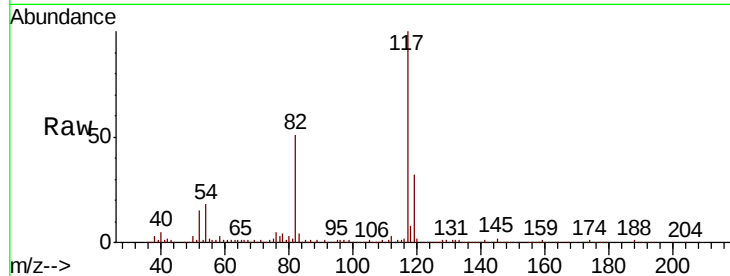




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

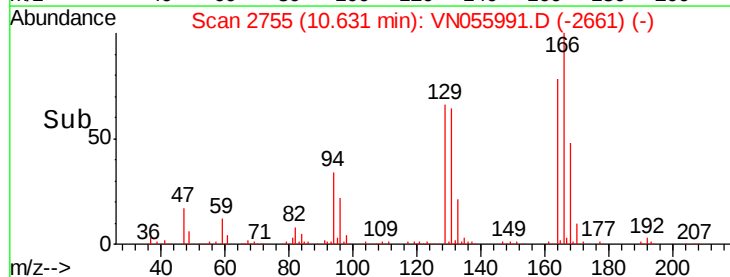
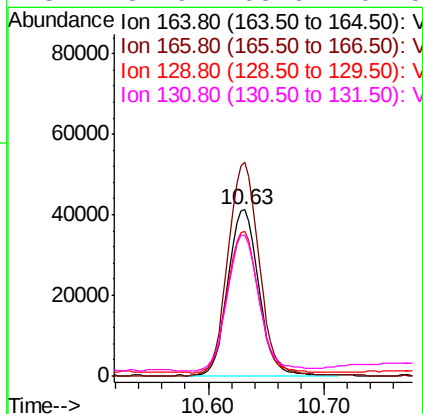
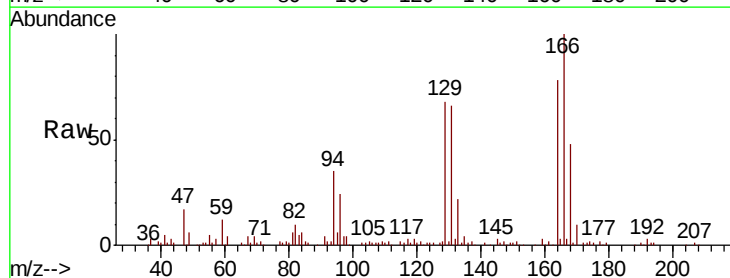
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

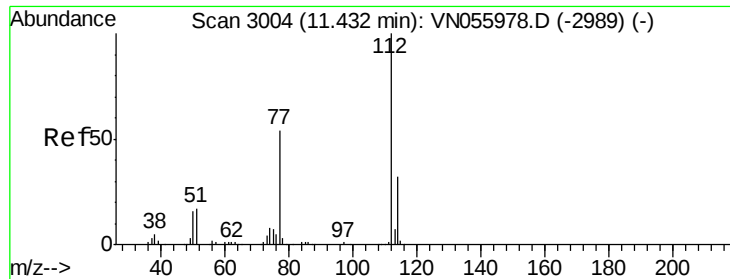
Tot Ion:117 Resp: 445150
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.8
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 19.846 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion:164 Resp: 76471
Ion Ratio Lower Upper
164 100
166 128.7 103.0 154.6
129 85.5 70.6 105.8
131 81.9 68.6 102.8





#65

Chlorobenzene

Concen: 20.245 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

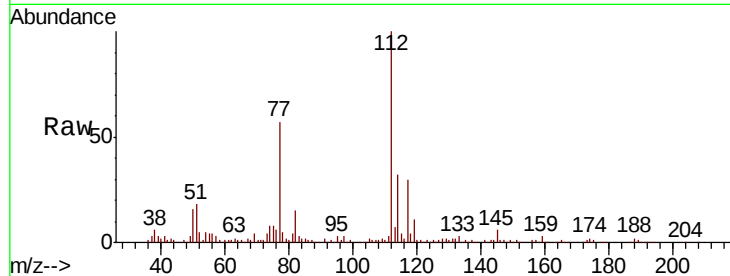
VN0604MBSD01

Tot Ion:112 Resp: 179360

Ion Ratio Lower Upper

112 100

114 32.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

100000

80000

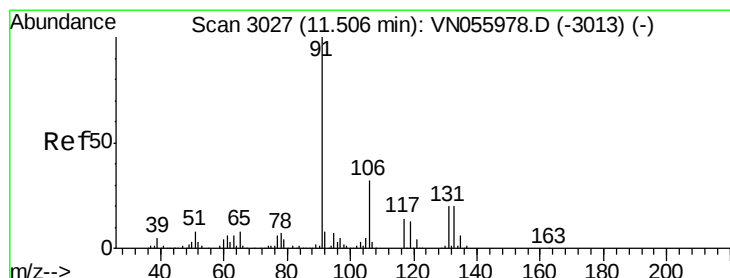
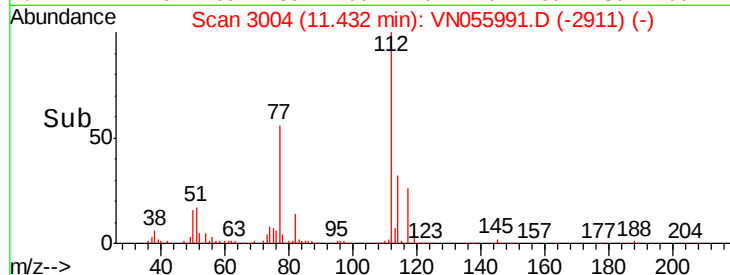
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.345 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

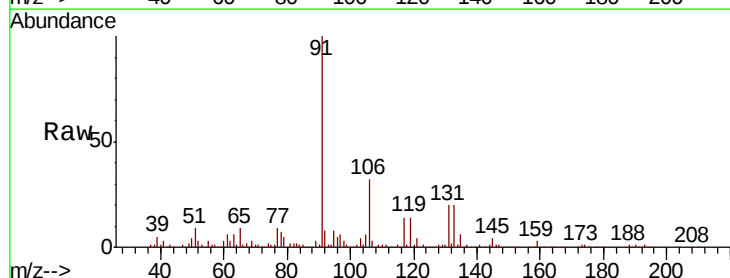
Tgt Ion:131 Resp: 59176

Ion Ratio Lower Upper

131 100

133 112.9 48.0 144.0

119 67.3 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

50000

40000

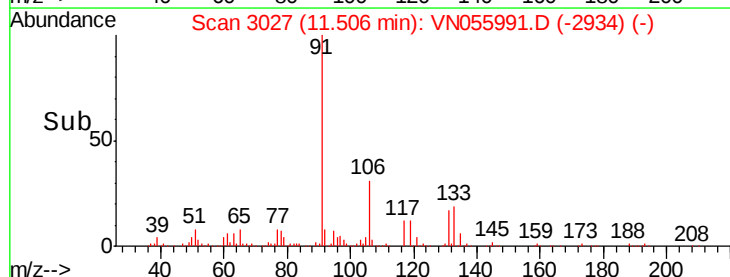
30000

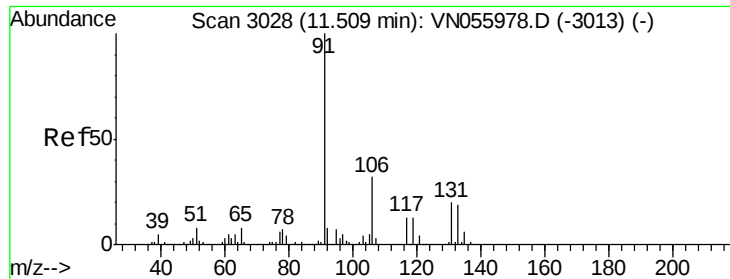
20000

10000

0

Time--> 11.45 11.50 11.55

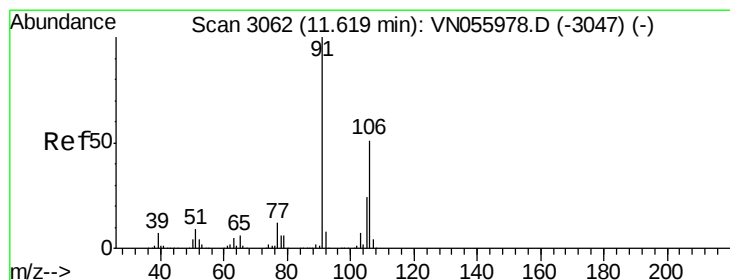
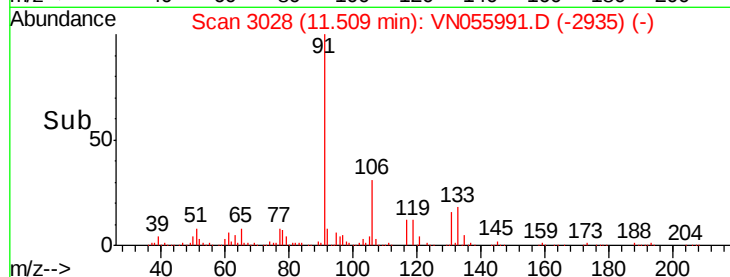
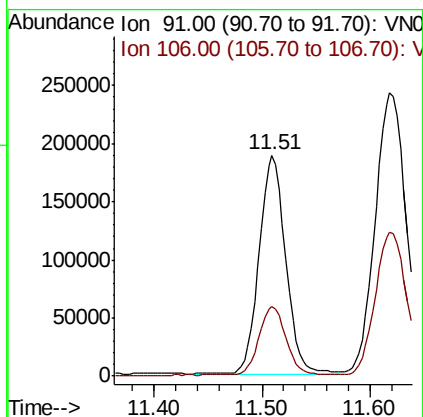
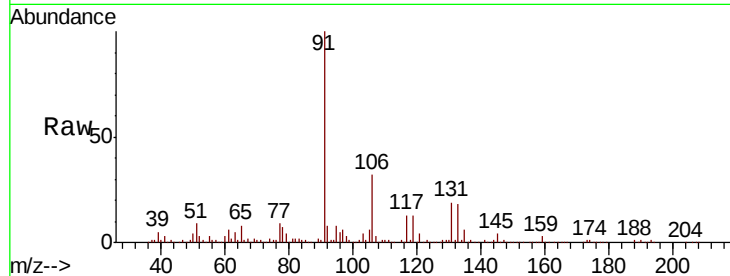




#67
Ethyl Benzene
Concen: 20.832 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

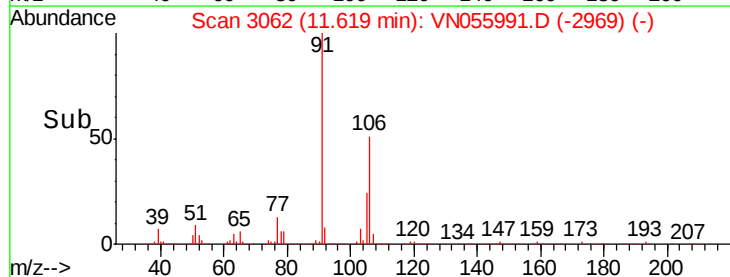
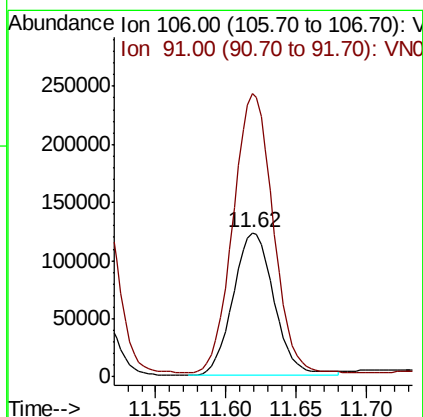
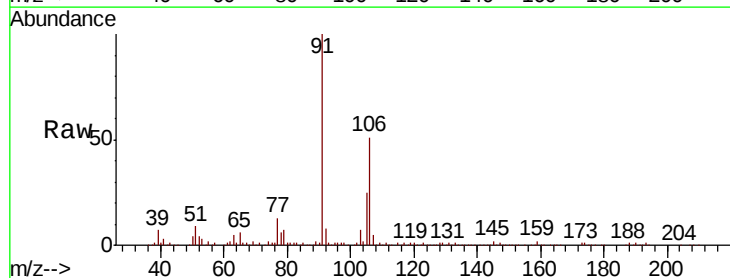
Instrument :
MSVOA_N
ClientSampled :
VN0604MBSD01

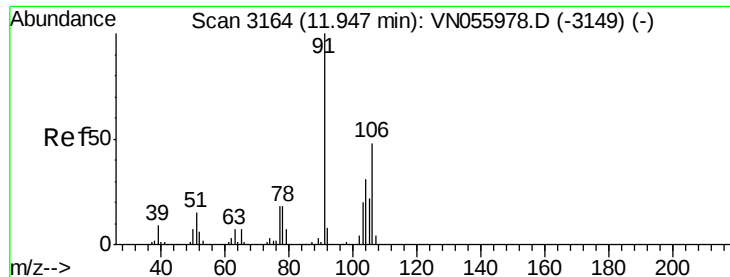
Tot Ion: 91 Resp: 320917
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 42.376 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 106 Resp: 249380
Ion Ratio Lower Upper
106 100
91 190.0 159.3 238.9

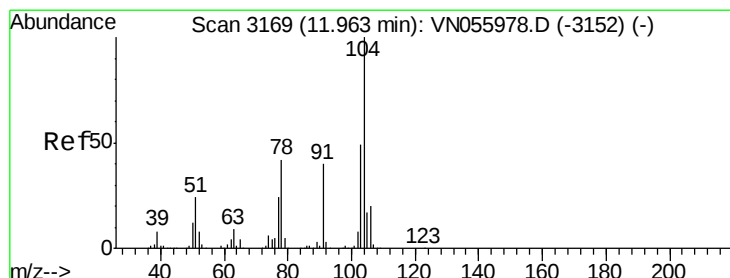
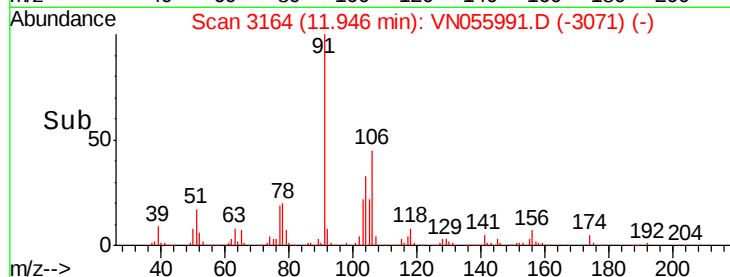
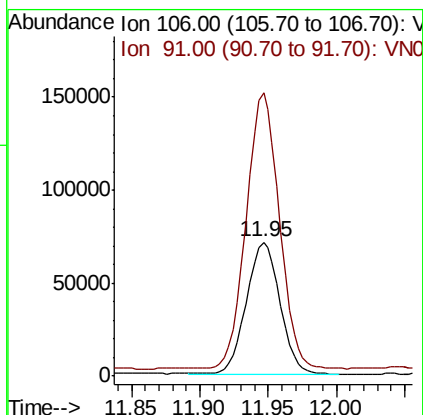
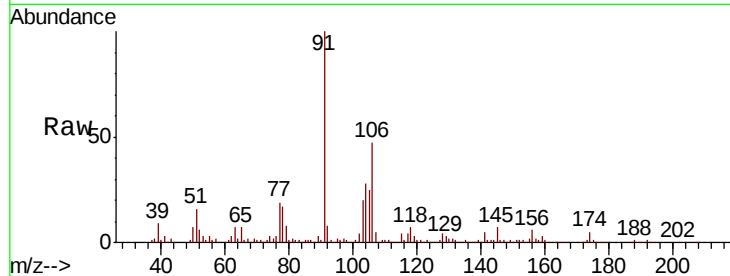




#69
o-Xylene
Concen: 20.965 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

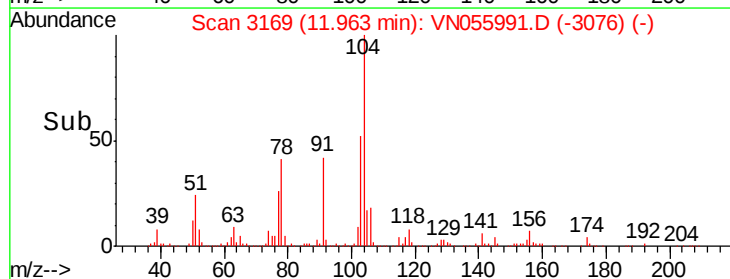
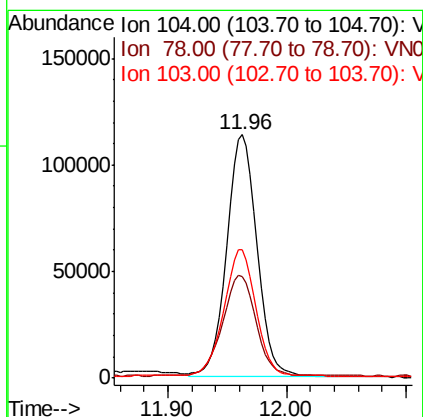
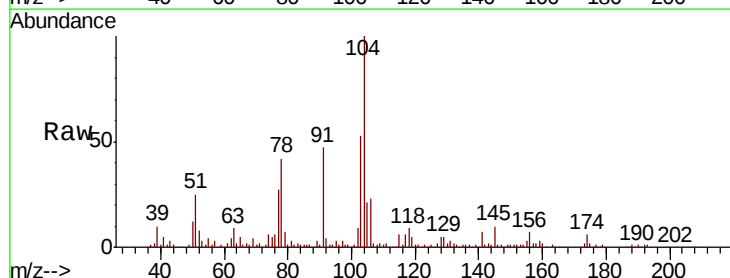
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion:106 Resp: 121359
Ion Ratio Lower Upper
106 100
91 205.6 104.7 314.1



#70
Styrene
Concen: 21.846 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion:104 Resp: 200928
Ion Ratio Lower Upper
104 100
78 45.3 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 18.154 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

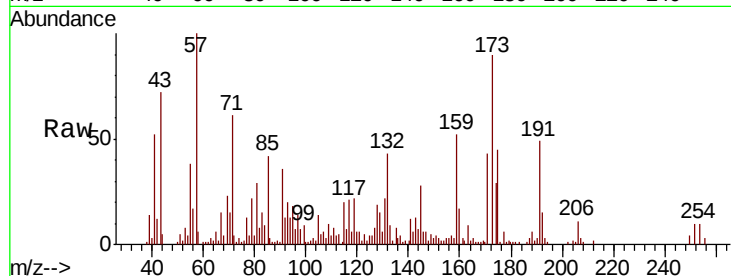
Tot Ion:173 Resp: 41879

Ion Ratio Lower Upper

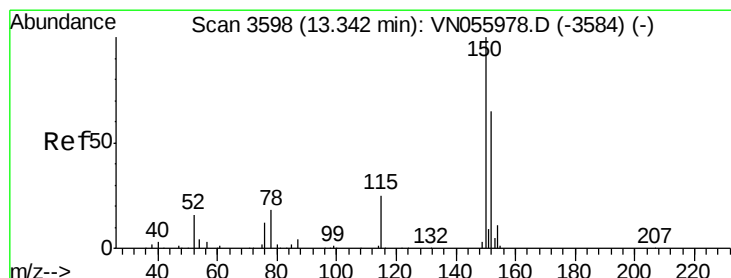
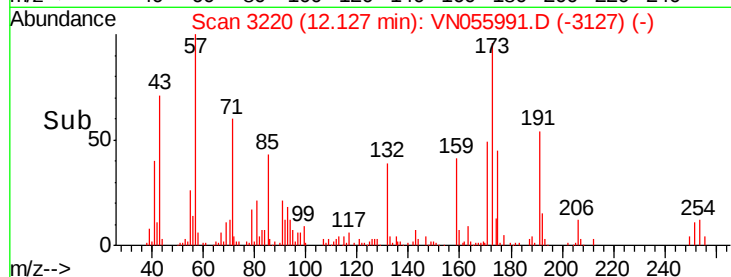
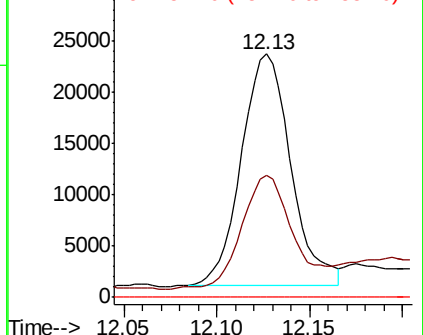
173 100

175 52.3 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

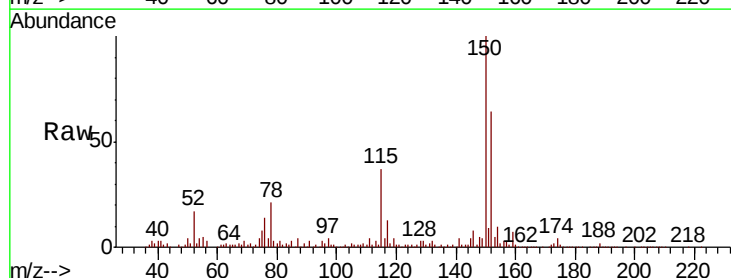
Tgt Ion:152 Resp: 198916

Ion Ratio Lower Upper

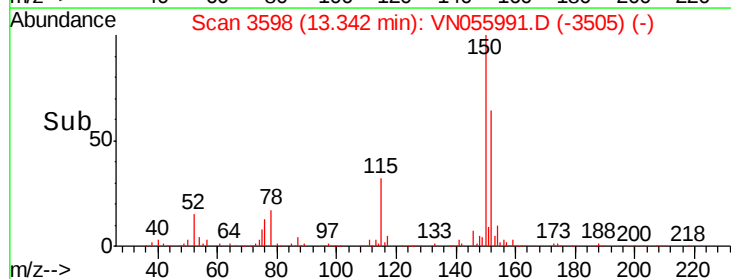
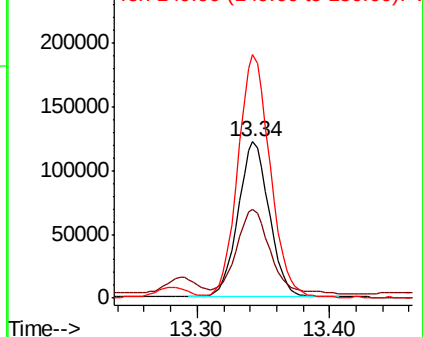
152 100

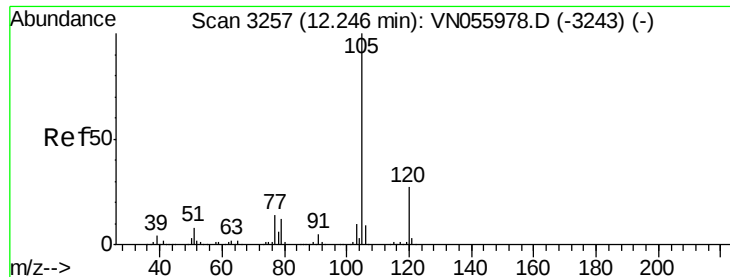
115 58.1 27.0 81.0

150 161.2 0.0 343.2



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





#73

Isopropylbenzene

Concen: 22.325 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

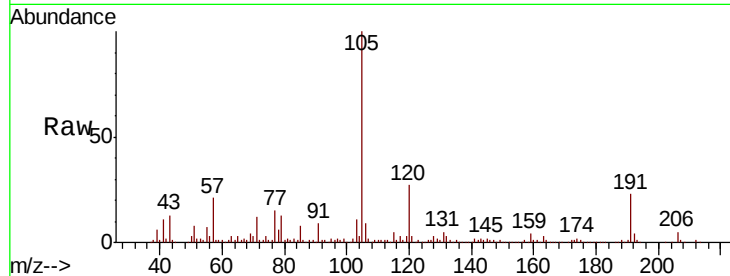
VN0604MBSD01

Tot Ion:105 Resp: 335530

Ion Ratio Lower Upper

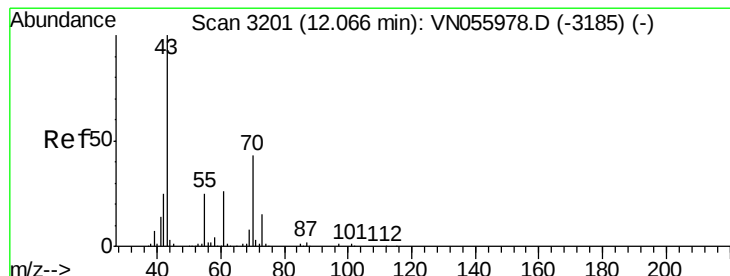
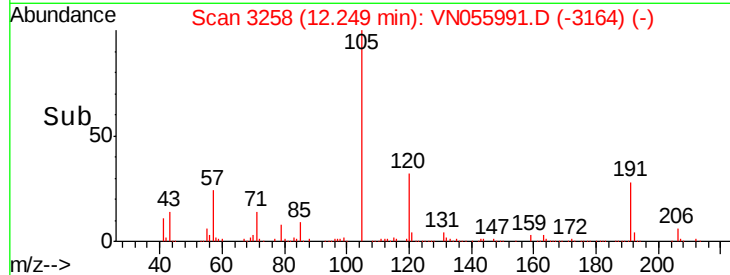
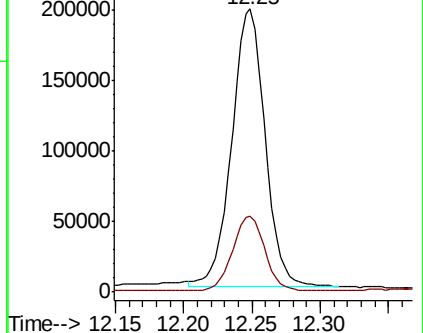
105 100

120 25.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.821 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Tgt Ion: 43 Resp: 115703

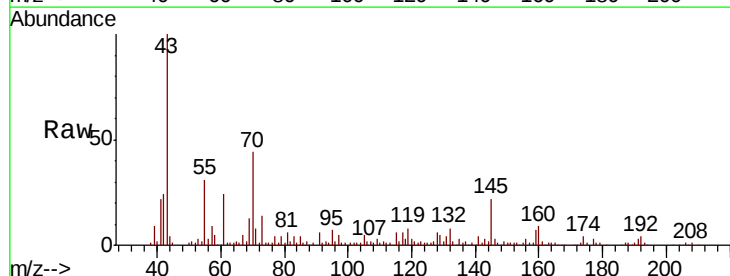
Ion Ratio Lower Upper

43 100

70 44.3 34.0 51.0

55 27.1 18.6 28.0

61 24.5 20.0 30.0

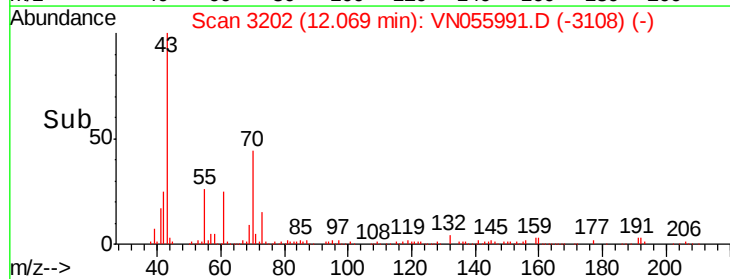
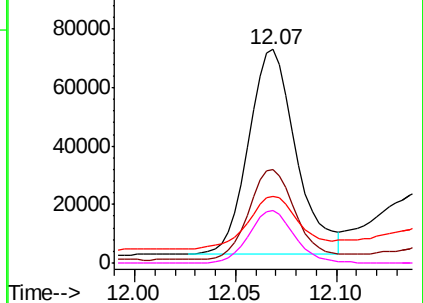


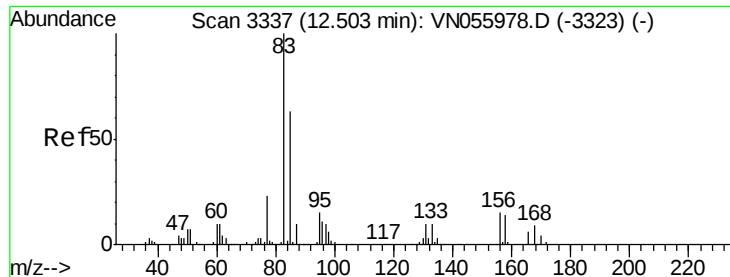
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.581 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

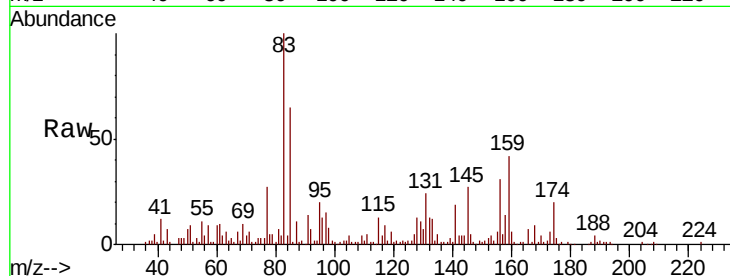
Tot Ion: 83 Resp: 90420

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

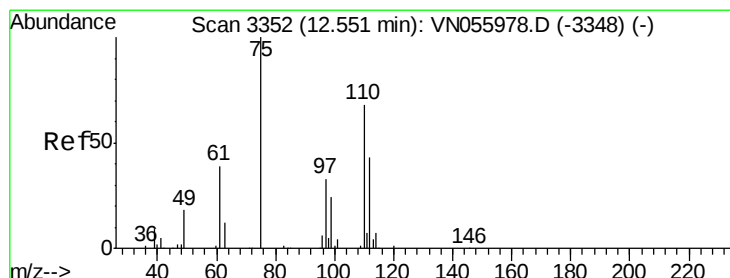
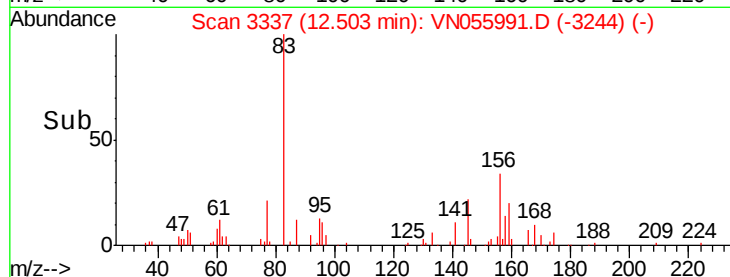
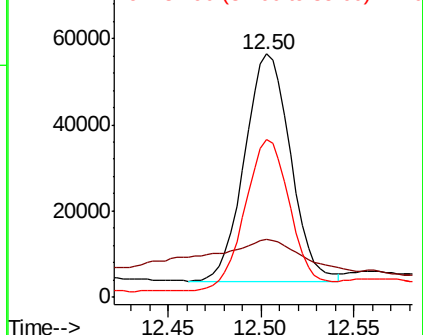
85 66.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.320 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055991.D

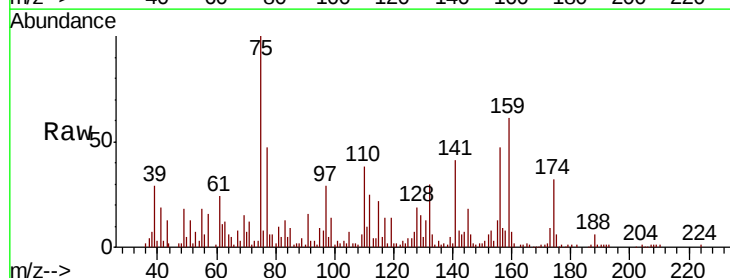
Acq: 4 Jun 2019 15:14

Tgt Ion: 75 Resp: 107316

Ion Ratio Lower Upper

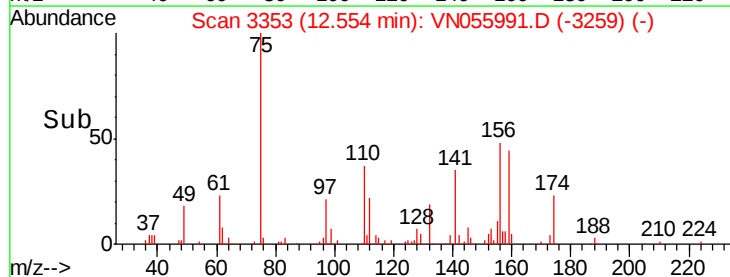
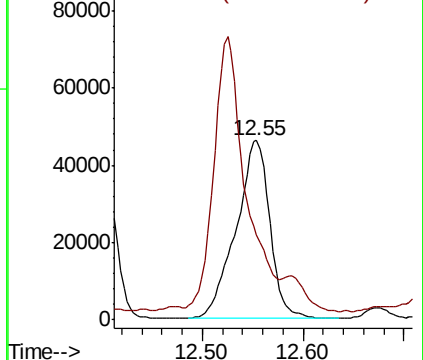
75 100

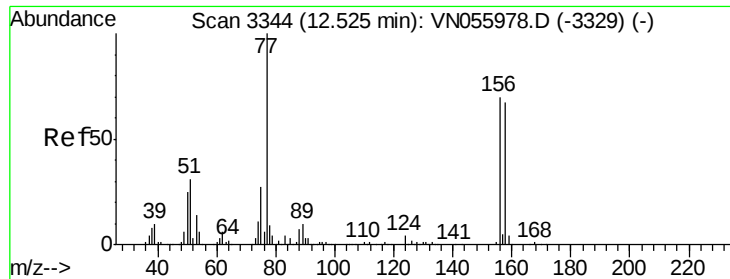
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.032 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

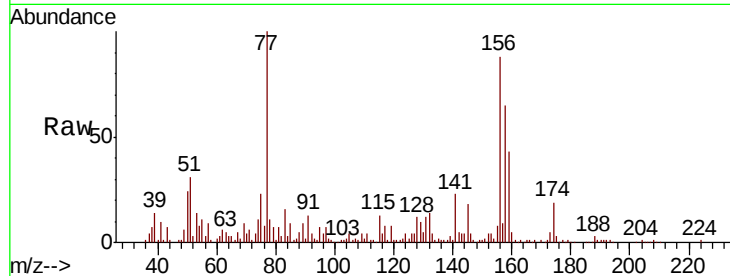
Tot Ion:156 Resp: 200296

Ion Ratio Lower Upper

156 100

77 75.1 90.8 272.5#

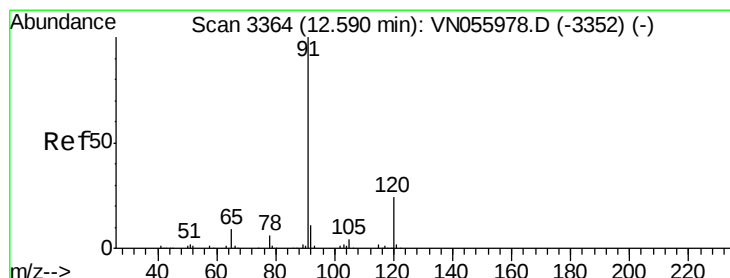
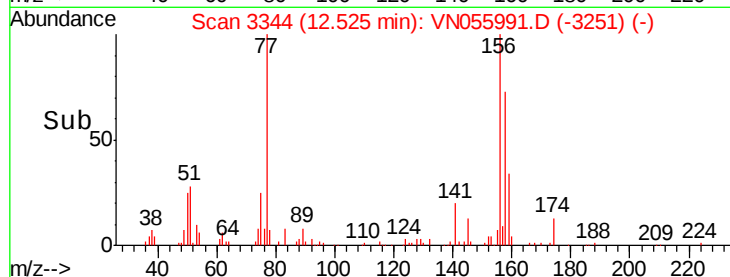
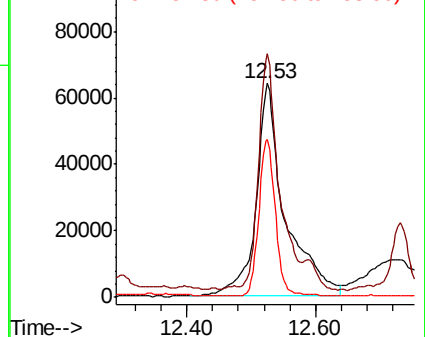
158 41.3 49.3 147.8#



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: 20.484 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055991.D

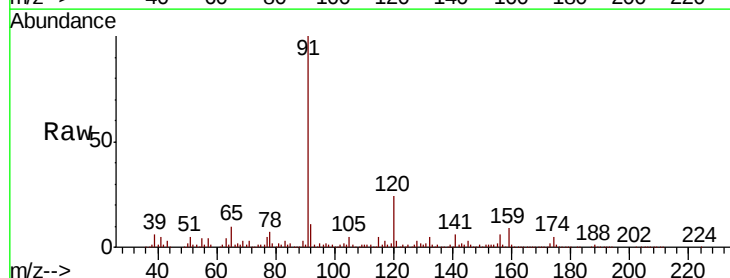
Acq: 4 Jun 2019 15:14

Tgt Ion: 91 Resp: 344712

Ion Ratio Lower Upper

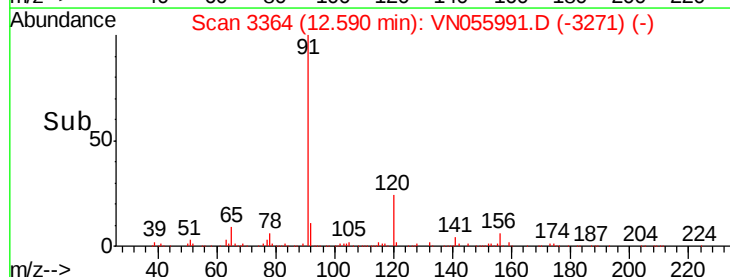
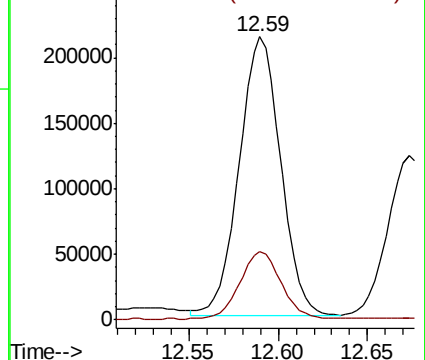
91 100

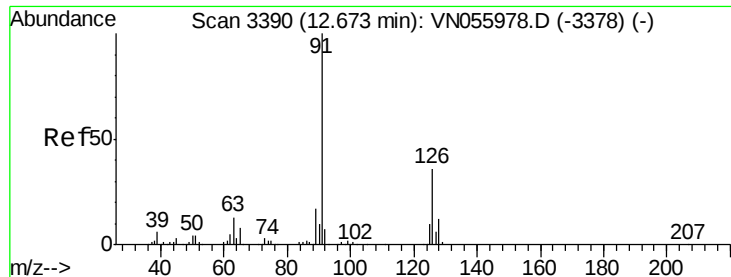
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.622 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

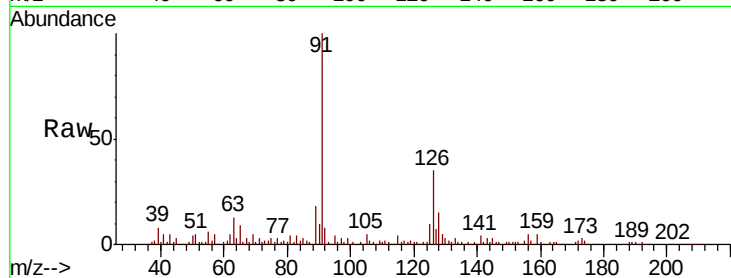
VN0604MBSD01

Tot Ion: 91 Resp: 205223

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055991.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055991.D (-3390) (-)

12.67

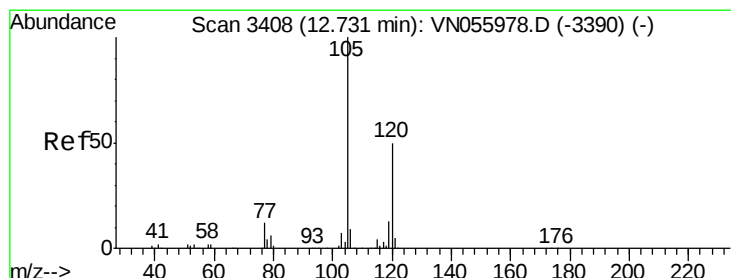
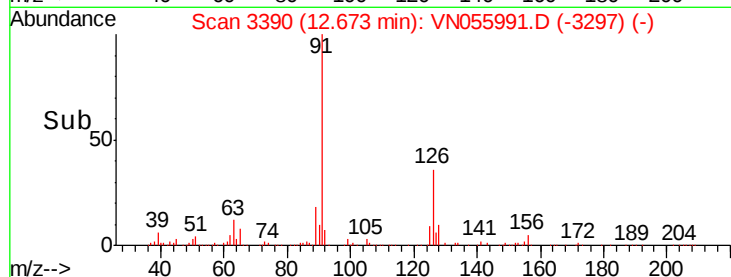
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 23.491 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055991.D

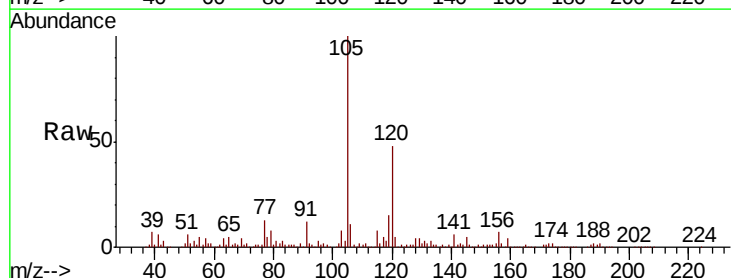
Acq: 4 Jun 2019 15:14

Tgt Ion:105 Resp: 314174

Ion Ratio Lower Upper

105 100

120 44.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055991.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055991.D (-3408) (-)

12.73

200000

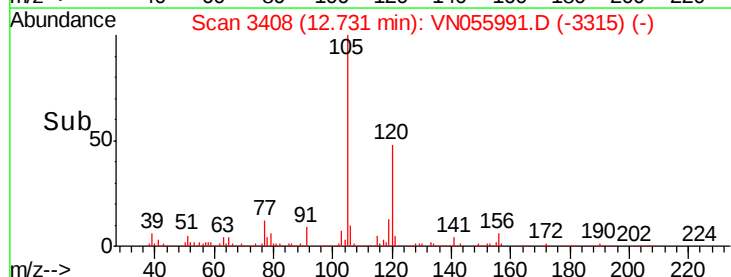
150000

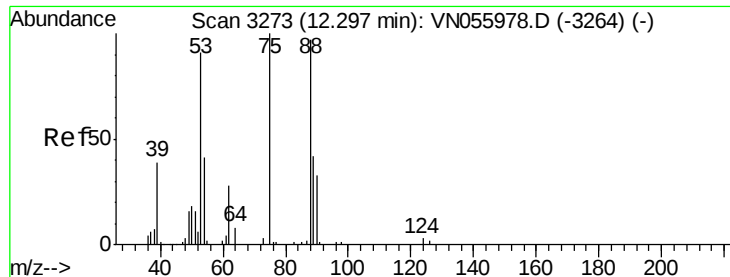
100000

50000

0

Time--> 12.60 12.70 12.80 12.90

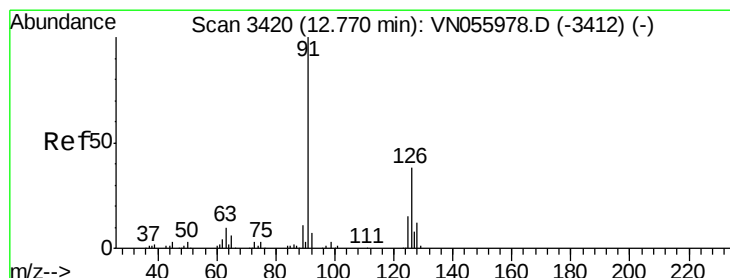
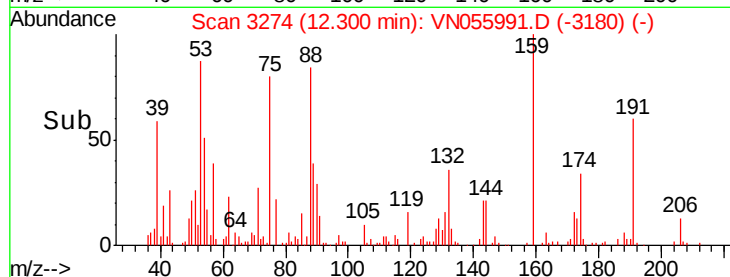
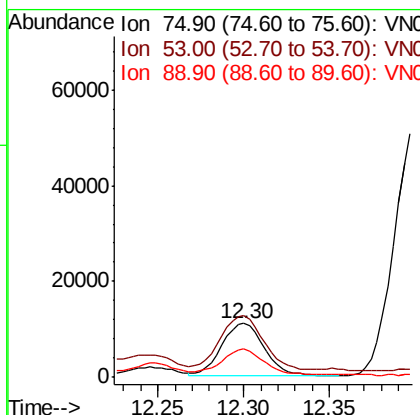
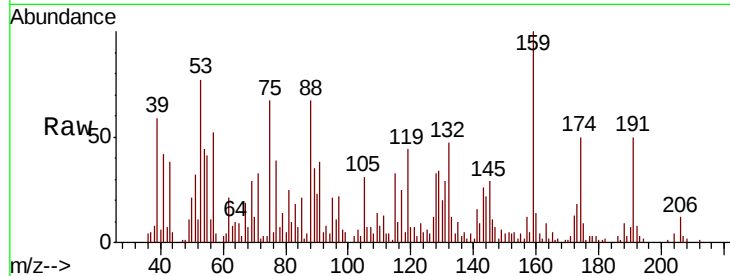




#81
trans-1,4-Dichloro-2-butene
Concen: 17.173 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

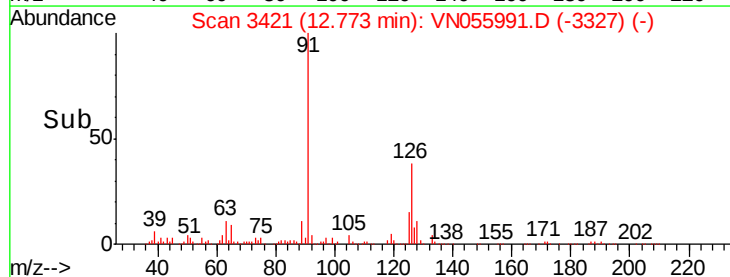
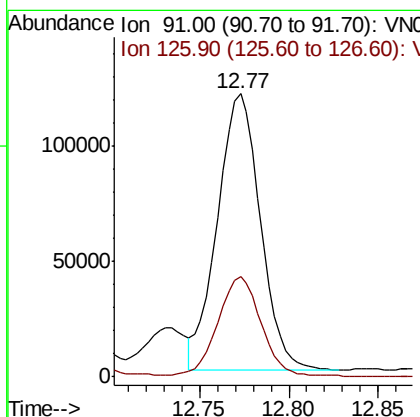
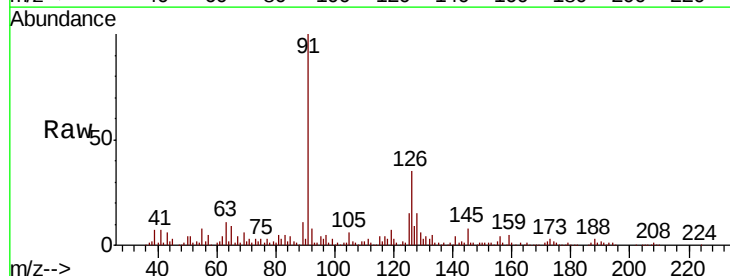
Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

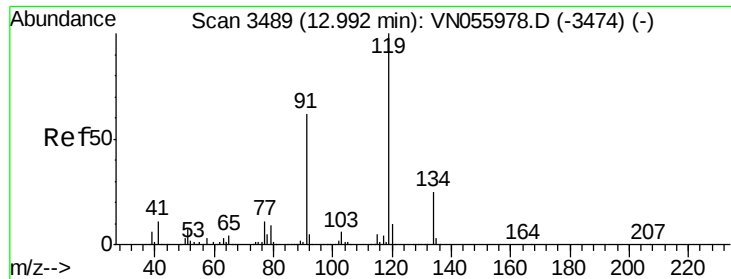
Tot Ion: 75 Resp: 18875
Ion Ratio Lower Upper
75 100
53 104.7 68.1 102.1#
89 48.3 36.9 55.3



#82
4-Chlorotoluene
Concen: 20.333 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 91 Resp: 200186
Ion Ratio Lower Upper
91 100
126 36.1 17.8 53.3





#83

tert-Butylbenzene

Concen: 20.391 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

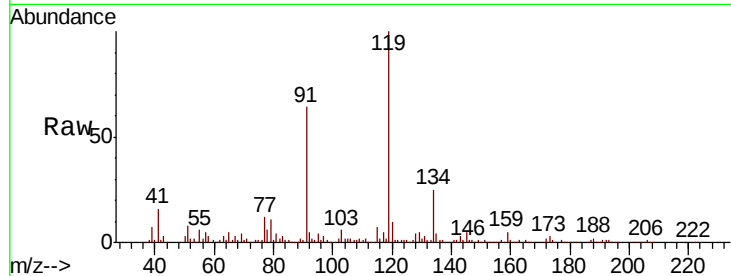
Tot Ion:119 Resp: 228358

Ion Ratio Lower Upper

119 100

91 62.5 30.9 92.8

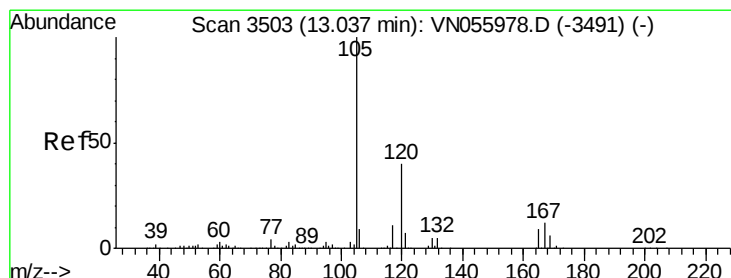
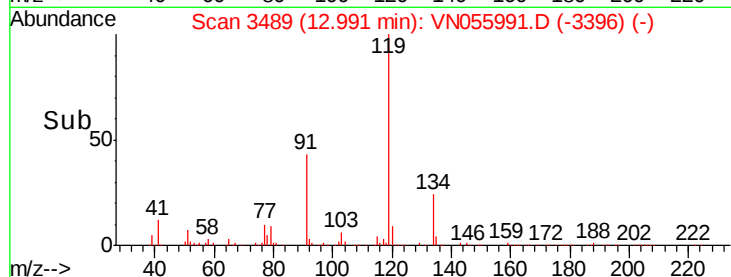
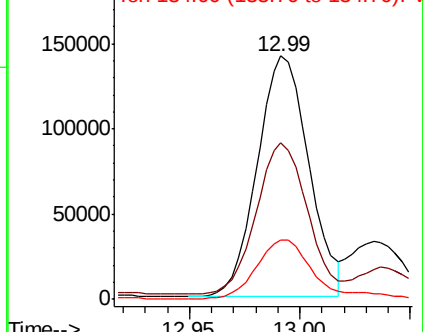
134 27.3 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.050 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN055991.D

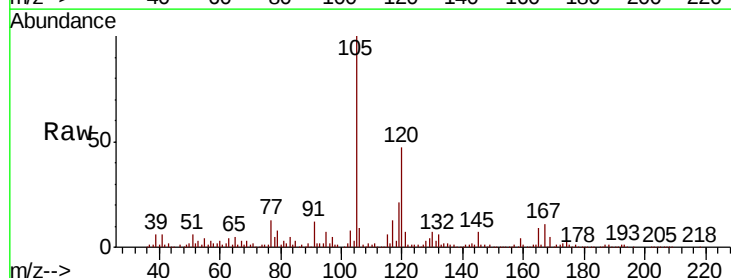
Acq: 4 Jun 2019 15:14

Tgt Ion:105 Resp: 254297

Ion Ratio Lower Upper

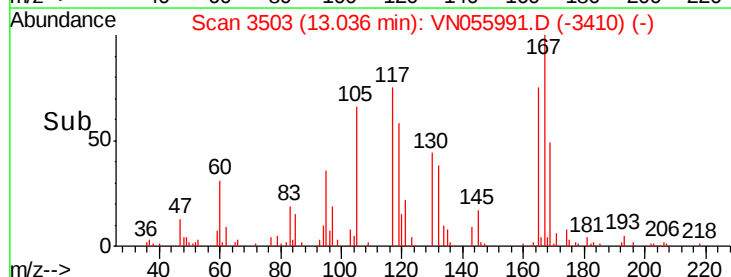
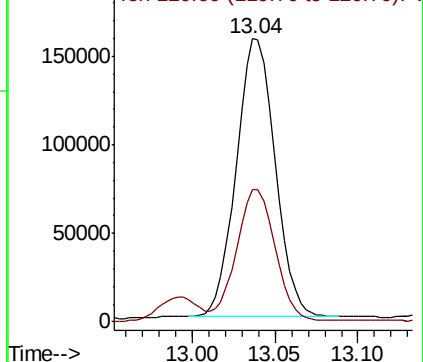
105 100

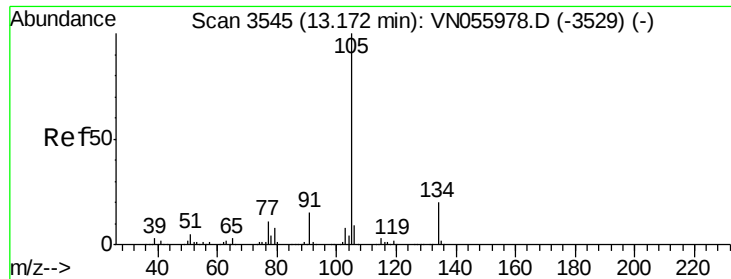
120 47.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.546 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

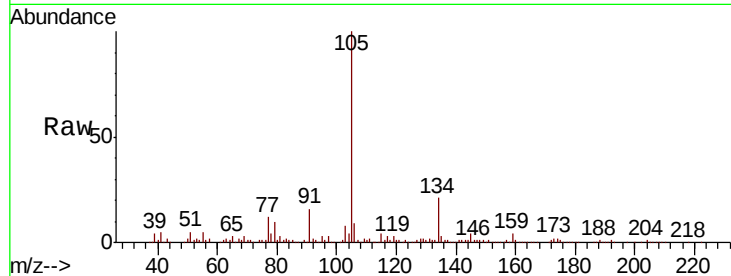
VN0604MBSD01

Tot Ion:105 Resp: 306192

Ion Ratio Lower Upper

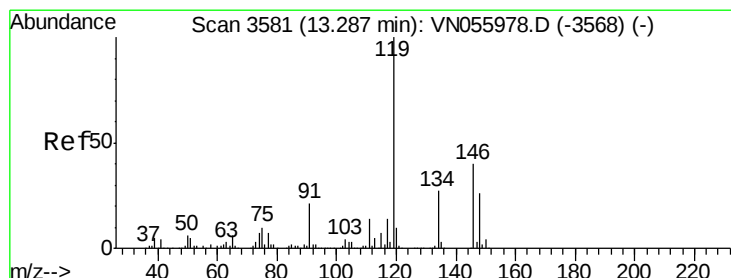
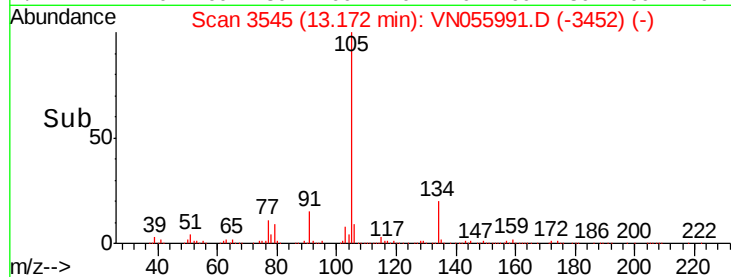
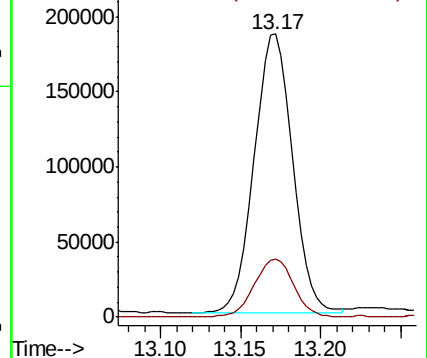
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.261 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

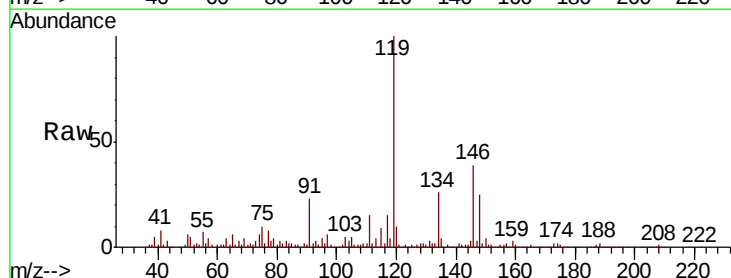
Tgt Ion:119 Resp: 283576

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

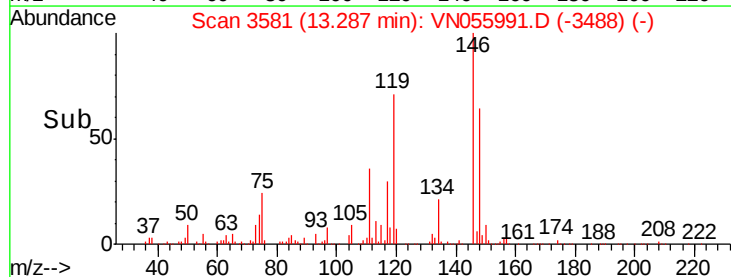
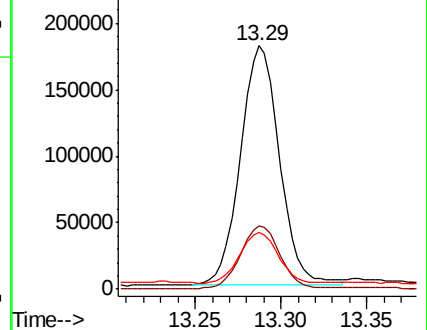
91 20.9 10.9 32.9

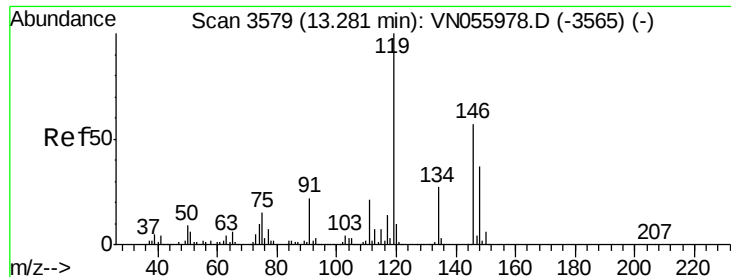


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

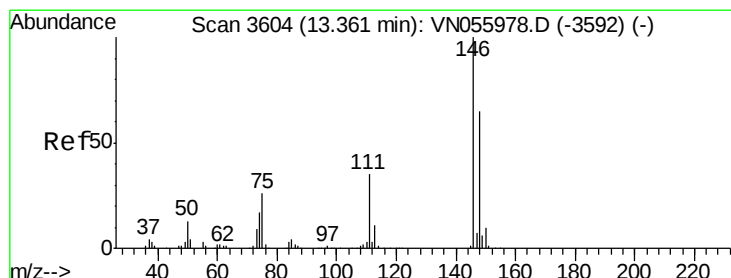
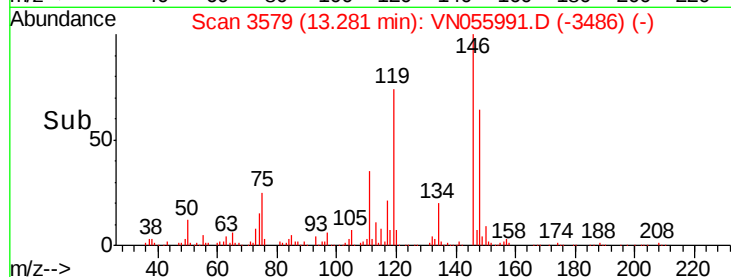
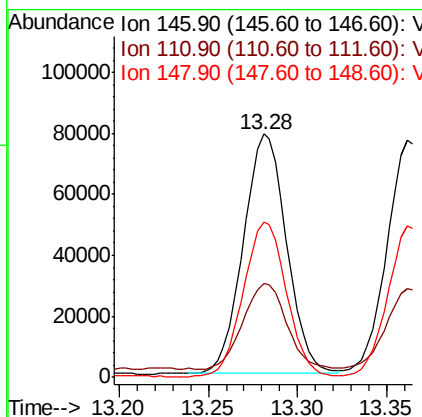
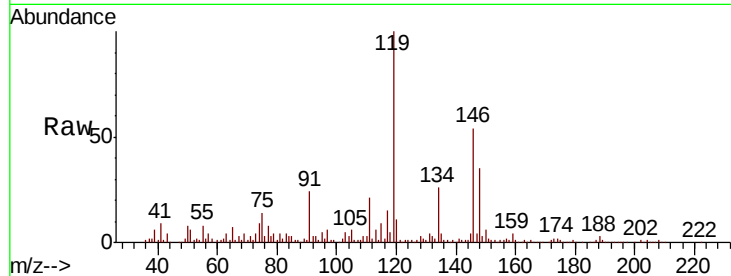




#87
 1,3-Dichlorobenzene
 Concen: 20.164 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

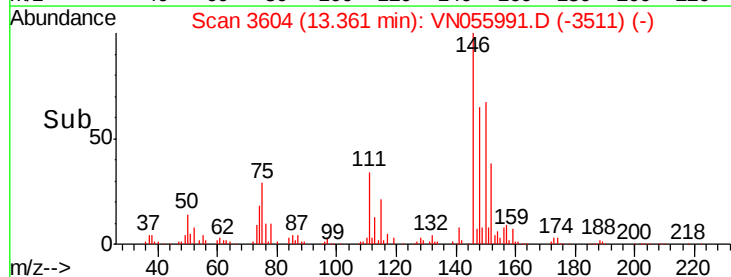
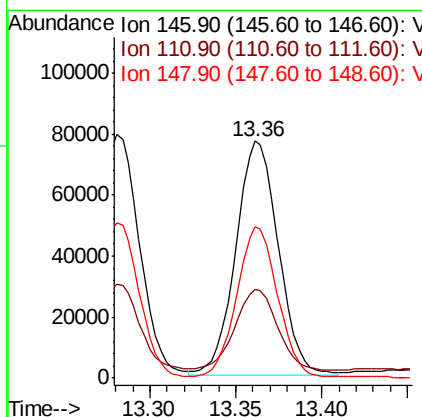
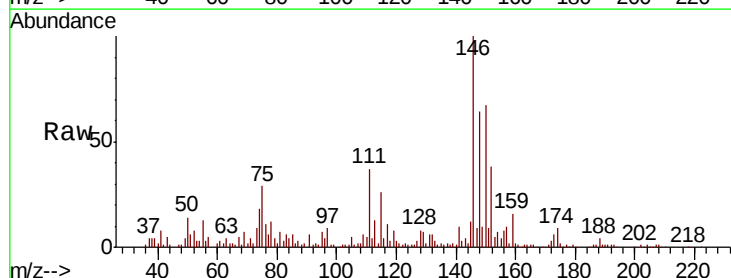
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

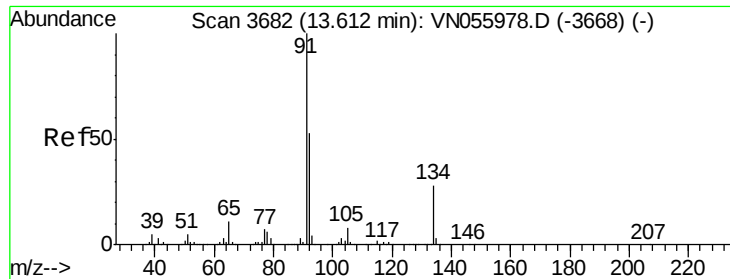
Tot Ion:146 Resp: 132909
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.5 55.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.798 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion:146 Resp: 131871
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.1 54.4
 148 61.4 32.1 96.5

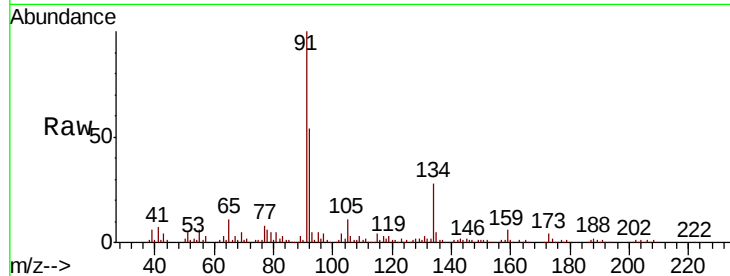




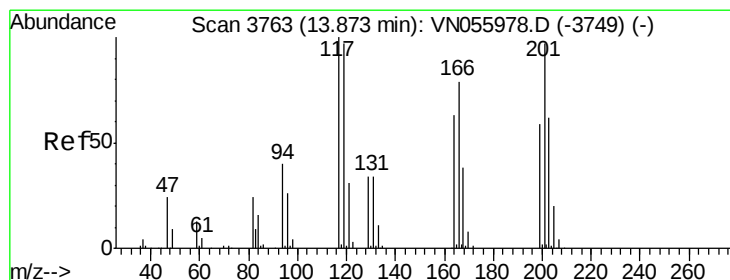
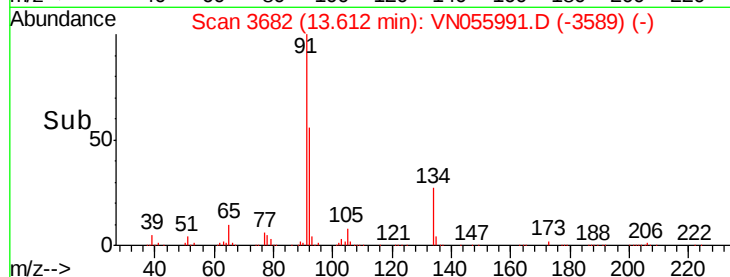
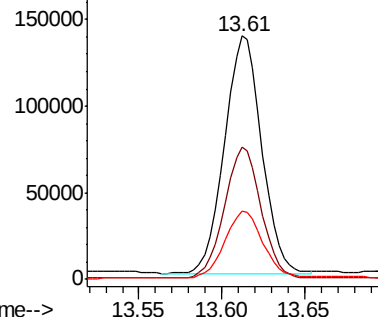
#89
n-Butylbenzene
Concen: 21.551 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBSD01

Tot Ion: 91 Resp: 212934
Ion Ratio Lower Upper
91 100
92 54.6 26.4 79.0
134 29.0 13.9 41.7

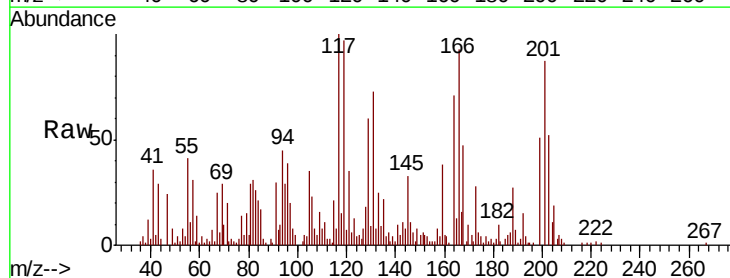


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

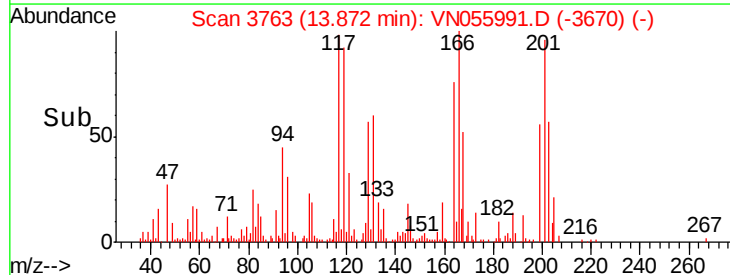
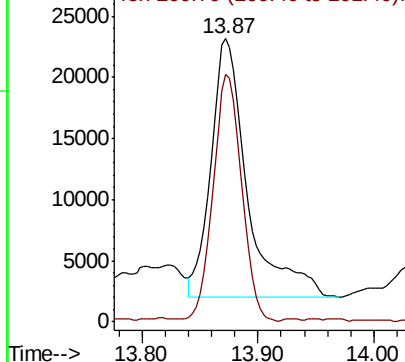


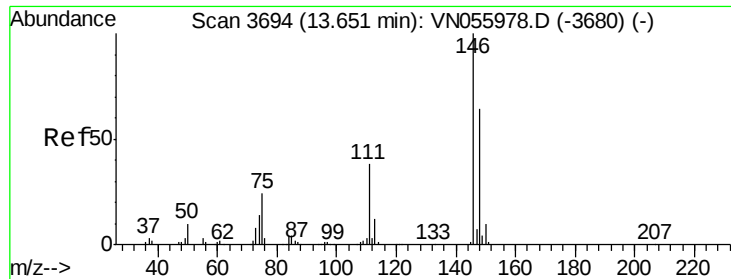
#90
Hexachloroethane
Concen: 22.947 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055991.D
Acq: 4 Jun 2019 15:14

Tgt Ion: 117 Resp: 46157
Ion Ratio Lower Upper
117 100
201 75.8 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.100 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

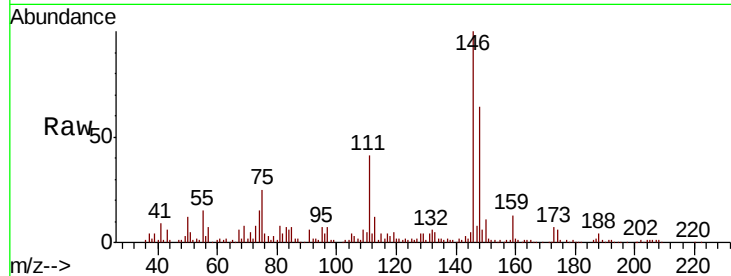
Tot Ion:146 Resp: 133760

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.5

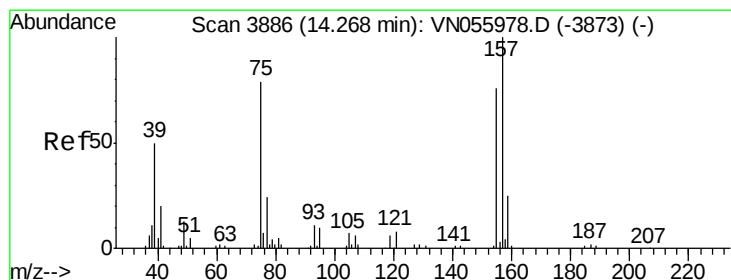
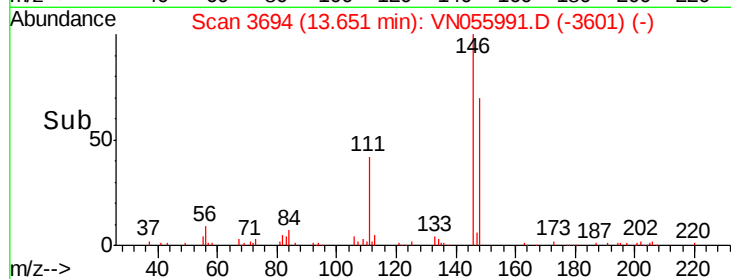
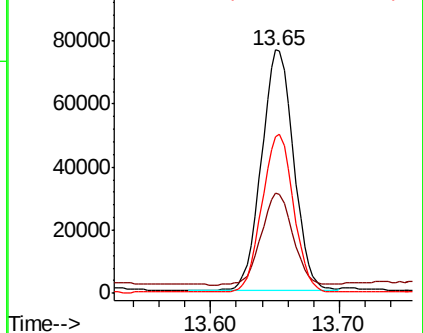
148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.178 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

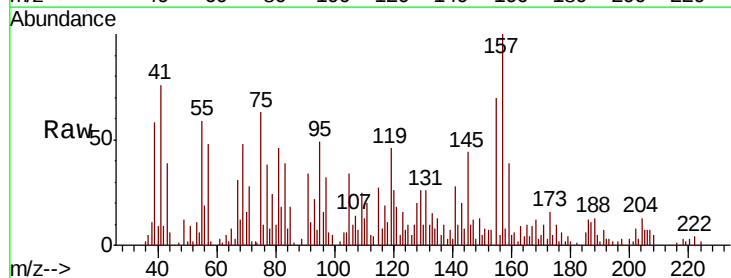
Tgt Ion: 75 Resp: 13327

Ion Ratio Lower Upper

75 100

155 102.6 50.0 150.1

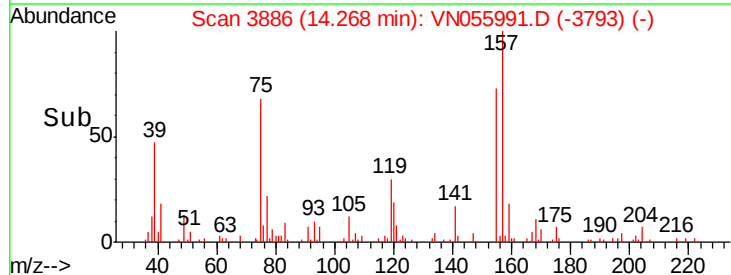
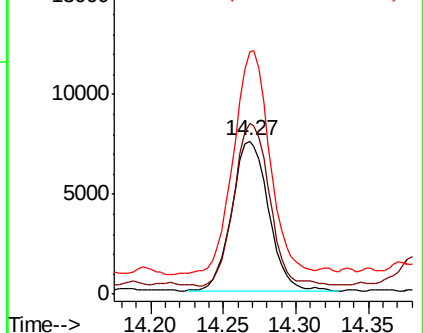
157 148.2 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

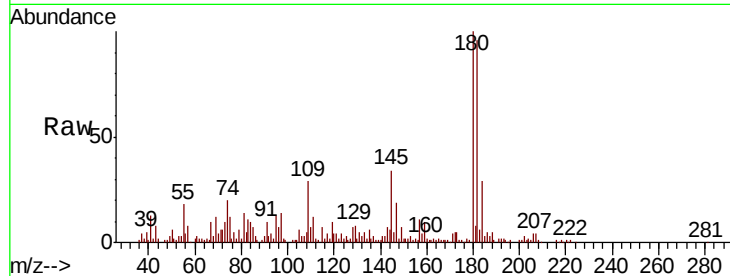




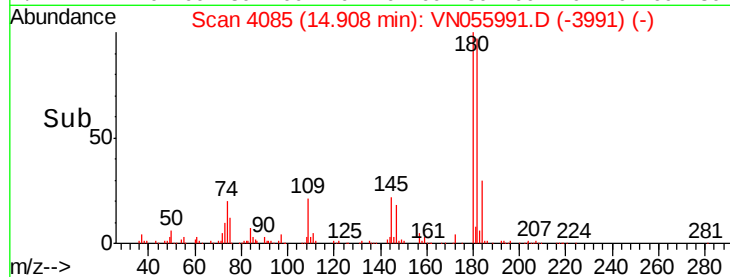
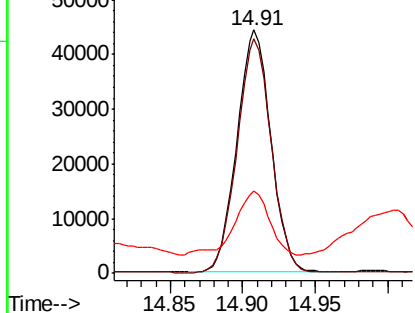
#93
 1,2,4-Trichlorobenzene
 Concen: 22.218 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBSD01

Tot Ion:180 Resp: 71966
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.3 144.9
 145 27.4 14.0 41.9

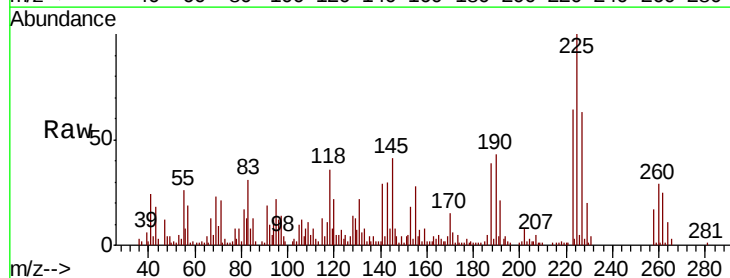


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

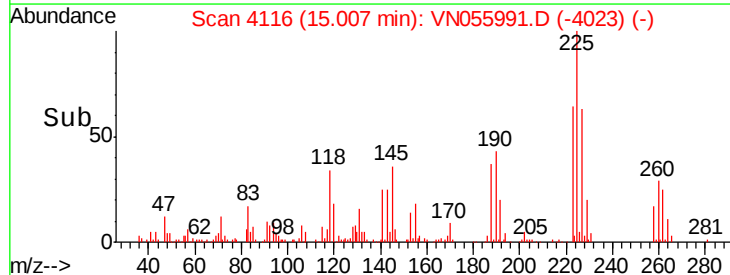
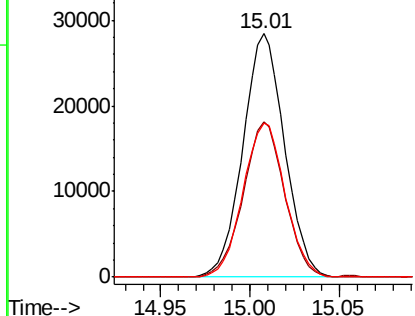


#94
 Hexachlorobutadiene
 Concen: 19.065 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055991.D
 Acq: 4 Jun 2019 15:14

Tgt Ion:225 Resp: 46459
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 63.8 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 24.752 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBSD01

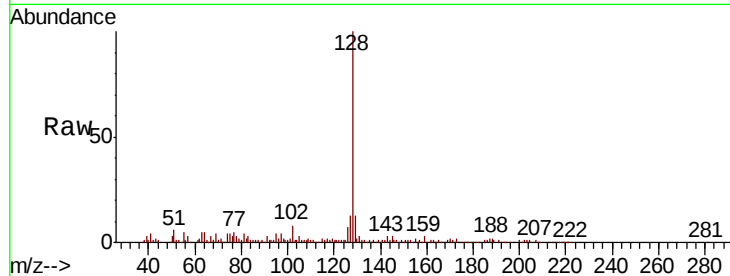
Tot Ion:128 Resp: 215453

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.8 8.7 13.1

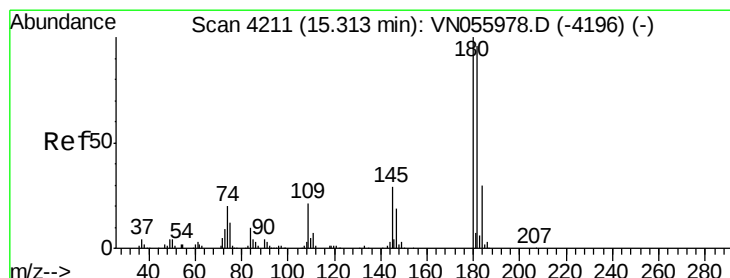
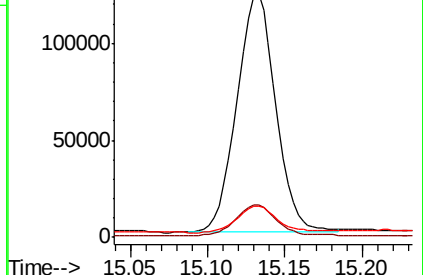
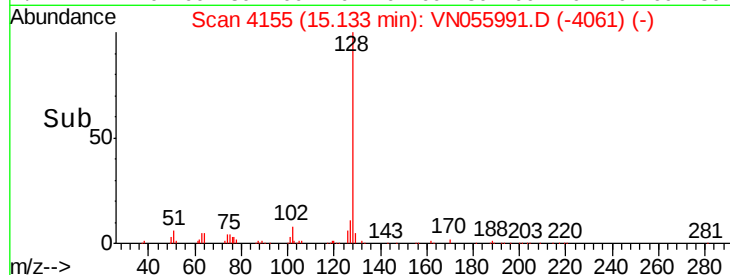


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



#96

1,2,3-Trichlorobenzene

Concen: 22.678 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055991.D

Acq: 4 Jun 2019 15:14

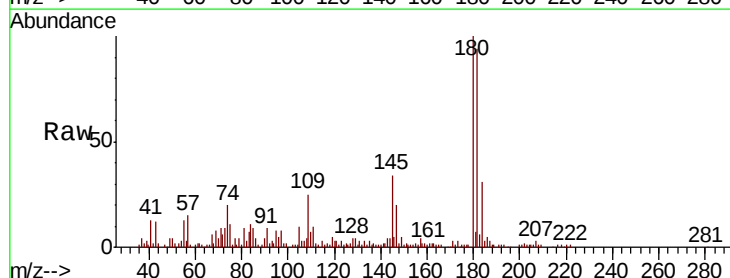
Tgt Ion:180 Resp: 78163

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 32.0 14.9 44.7



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

15.31

