

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055339.D
 Acq On : 2 May 2019 10:21
 Operator : JC/SP
 Sample : VN0502WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Quant Time: May 03 01:50:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	369604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	593226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	249207	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	7.59	113	193385	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.09	98	708504	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	228021	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	90721	20.034	ug/l	96
3) Chloromethane	2.06	50	106662	19.022	ug/l	99
4) Vinyl Chloride	2.19	62	84257	18.641	ug/l	99
5) Bromomethane	2.56	94	45654	19.069	ug/l	97
6) Chloroethane	2.70	64	45433	18.555	ug/l	98
7) Trichlorofluoromethane	3.02	101	121895	18.965	ug/l	100
8) Diethyl Ether	3.41	74	44459	19.771	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75391	19.698	ug/l	98
10) Methyl Iodide	3.96	142	102726	19.072	ug/l	99
11) Tert butyl alcohol	4.79	59	29108	105.147	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	69928	19.153	ug/l	99
13) Acrolein	3.61	56	17957	83.059	ug/l	92
14) Allyl chloride	4.33	41	146047	19.314	ug/l	99
15) Acrylonitrile	4.99	53	161477	103.774	ug/l #	89
16) Acetone	3.82	43	153991	102.211	ug/l	98
17) Carbon Disulfide	4.06	76	171548	18.004	ug/l	99
18) Methyl Acetate	4.33	43	84291	22.395	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209725	20.433	ug/l	99
20) Methylene Chloride	4.55	84	85183	18.524	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	73950	19.125	ug/l	92
22) Diisopropyl ether	5.95	45	310731	20.682	ug/l	96
23) Vinyl Acetate	5.90	43	1004084	101.969	ug/l	99
24) 1,1-Dichloroethane	5.85	63	161244	20.142	ug/l	98
25) 2-Butanone	6.84	43	205515	106.664	ug/l	94
26) 2,2-Dichloropropane	6.82	77	105171	19.025	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	89918	20.449	ug/l	100
28) Bromochloromethane	7.20	49	81981	20.317	ug/l	97
29) Tetrahydrofuran	7.21	42	134243	108.809	ug/l	99
30) Chloroform	7.37	83	152149	20.050	ug/l	99
31) Cyclohexane	7.65	56	141412	18.593	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	120743	19.605	ug/l	99
36) 1,1-Dichloropropene	7.79	75	105055	18.488	ug/l	99
37) Ethyl Acetate	6.93	43	85312	19.590	ug/l	97
38) Carbon Tetrachloride	7.77	117	101400	18.499	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: May 03 01:50:38 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113061	18.714	ug/l	98
40) Benzene	8.04	78	326771	19.508	ug/l	99
41) Methacrylonitrile	7.17	41	43558	18.947	ug/l	94
42) 1,2-Dichloroethane	8.12	62	117278	19.768	ug/l	99
43) Isopropyl Acetate	8.17	43	142162	20.313	ug/l #	87
44) Trichloroethene	8.84	130	81635	19.117	ug/l	97
45) 1,2-Dichloropropane	9.12	63	93930	19.442	ug/l	98
46) Dibromomethane	9.21	93	53755	20.356	ug/l	98
47) Bromodichloromethane	9.40	83	113759	20.080	ug/l	98
48) Methyl methacrylate	9.20	41	68057	19.781	ug/l	97
49) 1,4-Dioxane	9.20	88	14825	416.831	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	418791	106.283	ug/l	98
52) Toluene	10.16	92	195376	20.328	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100516	20.438	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	124803	20.354	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72185	20.226	ug/l	98
56) Ethyl methacrylate	10.43	69	91407	20.808	ug/l	98
57) 1,3-Dichloropropane	10.71	76	127058	20.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	109453	88.706	ug/l	99
59) 2-Hexanone	10.75	43	267787	108.618	ug/l	98
60) Dibromochloromethane	10.90	129	74664	20.469	ug/l	98
61) 1,2-Dibromoethane	11.00	107	66845	20.264	ug/l	97
64) Tetrachloroethene	10.63	164	77284	18.670	ug/l	98
65) Chlorobenzene	11.43	112	191603	19.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74037	19.106	ug/l	98
67) Ethyl Benzene	11.51	91	356061	19.924	ug/l	98
68) m/p-Xylenes	11.62	106	256050	40.140	ug/l	99
69) o-Xylene	11.95	106	125600	19.865	ug/l	97
70) Styrene	11.96	104	203476	20.960	ug/l	99
71) Bromoform	12.13	173	45501	21.161	ug/l #	100
73) Isopropylbenzene	12.25	105	345865	21.467	ug/l	100
74) N-amyl acetate	12.07	43	97686	20.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	87434	21.834	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	103258	28.667	ug/l #	100
77) Bromobenzene	12.53	156	80236	21.250	ug/l	99
78) n-propylbenzene	12.59	91	364854	19.016	ug/l	99
79) 2-Chlorotoluene	12.67	91	230309	21.219	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	281417	19.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20266	20.562	ug/l	98
82) 4-Chlorotoluene	12.77	91	216942	19.447	ug/l	98
83) tert-Butylbenzene	12.99	119	238805	21.374	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258613	19.747	ug/l	99
85) sec-Butylbenzene	13.17	105	309282	19.432	ug/l	99
86) p-Isopropyltoluene	13.29	119	255771	19.552	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122068	19.530	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	114607	19.471	ug/l	99
89) n-Butylbenzene	13.61	91	179045	19.262	ug/l	97
90) Hexachloroethane	13.87	117	44814	20.713	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	118739	19.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10717	21.809	ug/l	99

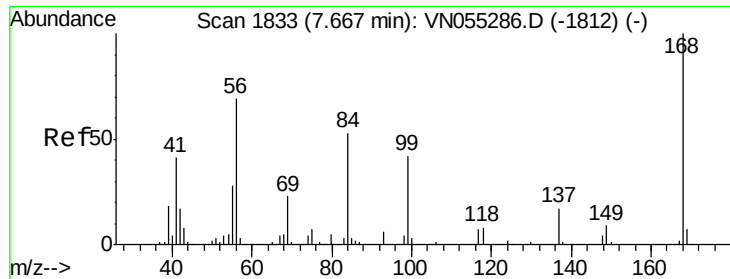
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
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Sample : VN0502WBS01
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Instrument :
MSVOA_N
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Quant Time: May 03 01:50:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33194	16.003	ug/l	96
94) Hexachlorobutadiene	15.01	225	42773	21.342	ug/l	96
95) Naphthalene	15.13	128	71590	16.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36619	17.043	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

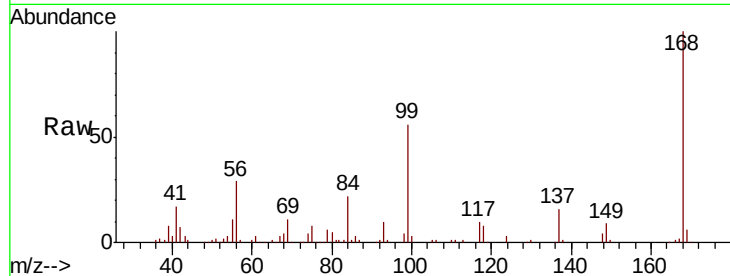
VN0502WBS01

Tot Ion:168 Resp: 369604

Ion Ratio Lower Upper

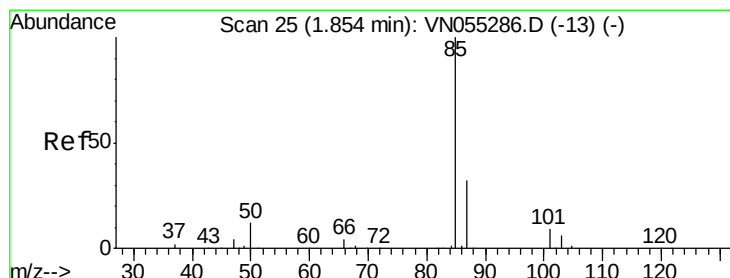
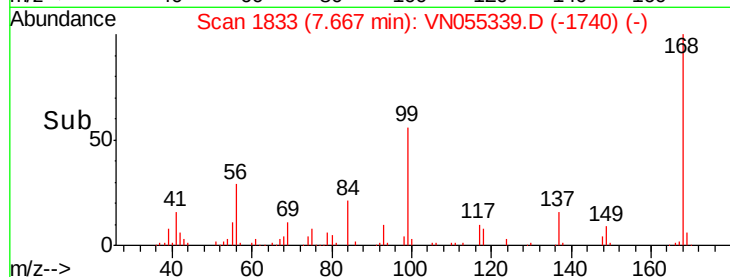
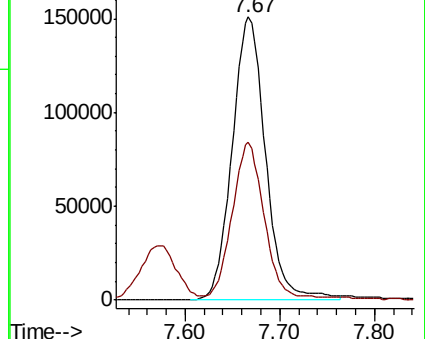
168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.034 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055339.D

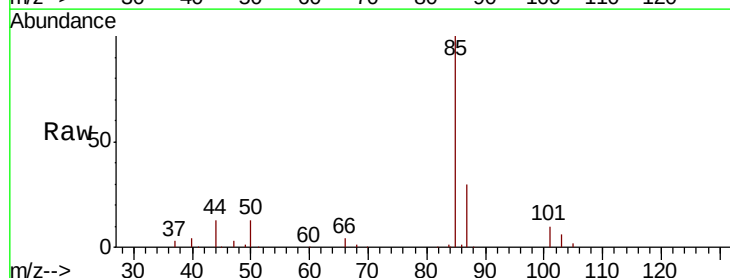
Acq: 2 May 2019 10:21

Tgt Ion: 85 Resp: 90721

Ion Ratio Lower Upper

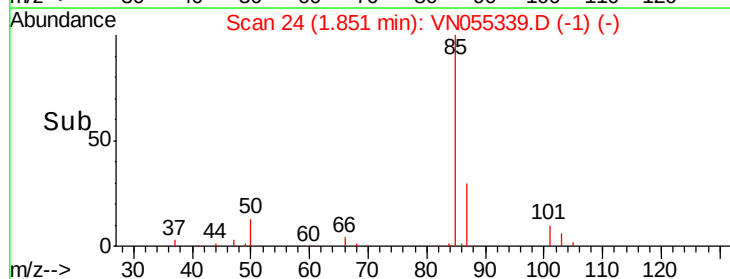
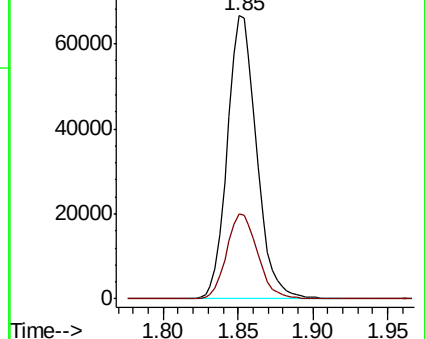
85 100

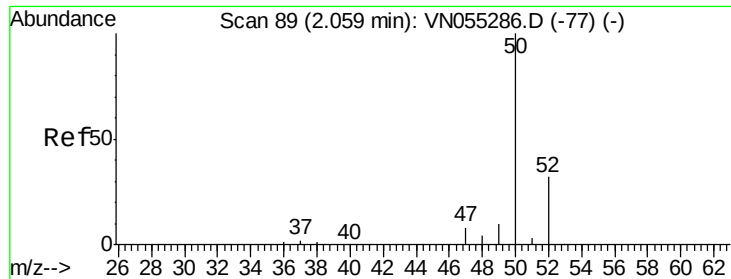
87 29.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.022 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

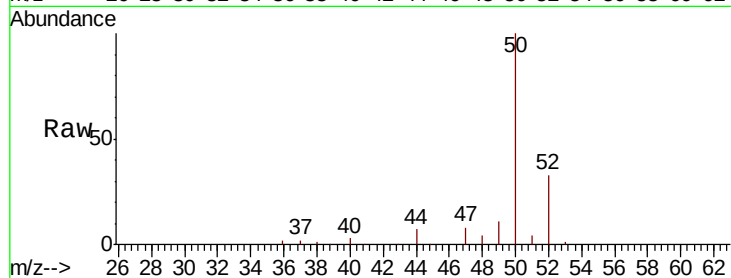
VN0502WBS01

Tot Ion: 50 Resp: 106662

Ion Ratio Lower Upper

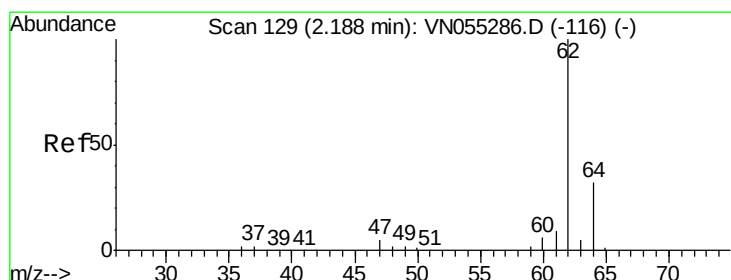
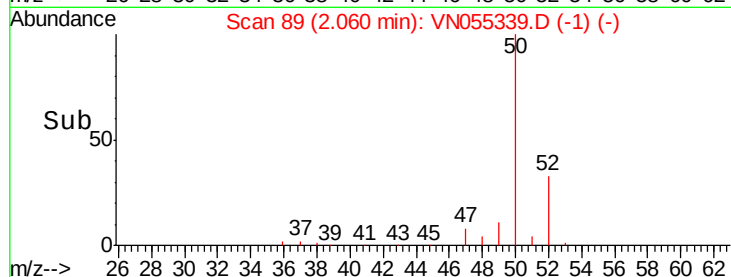
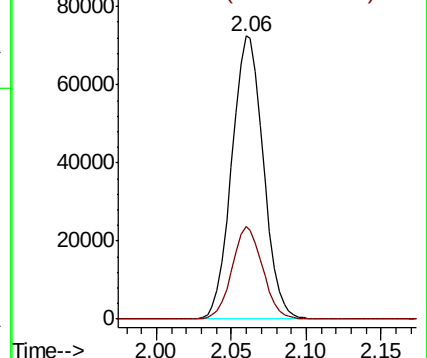
50 100

52 32.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.641 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055339.D

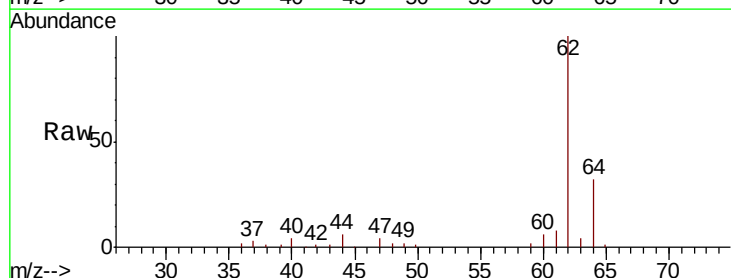
Acq: 2 May 2019 10:21

Tgt Ion: 62 Resp: 84257

Ion Ratio Lower Upper

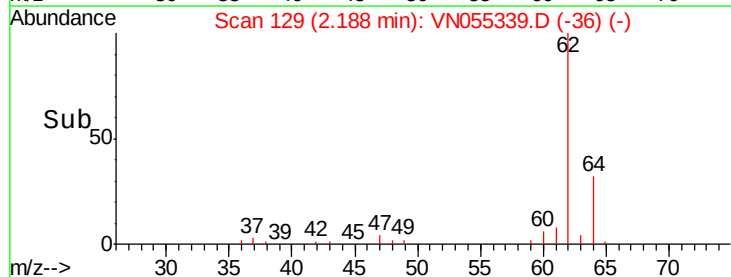
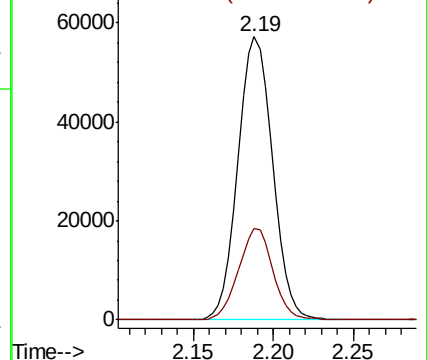
62 100

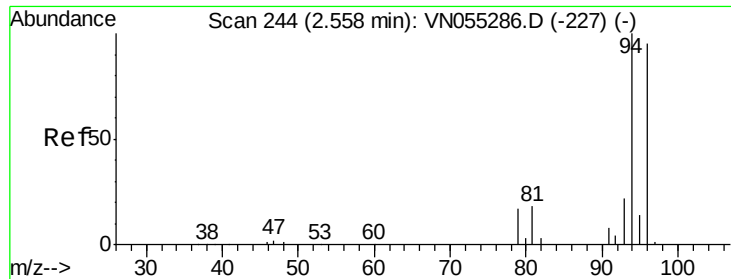
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

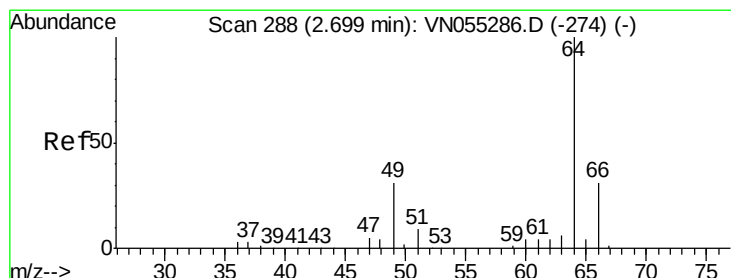
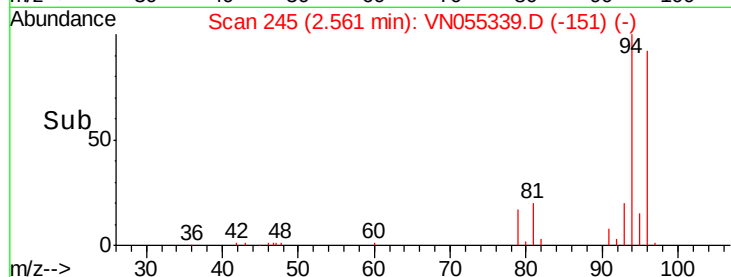
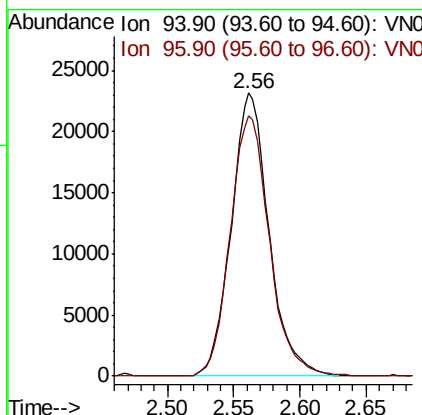
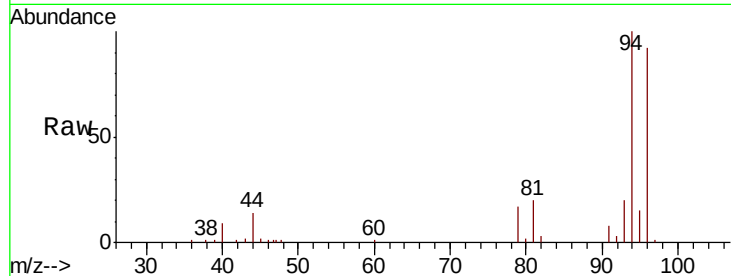




#5
Bromomethane
Concen: 19.069 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

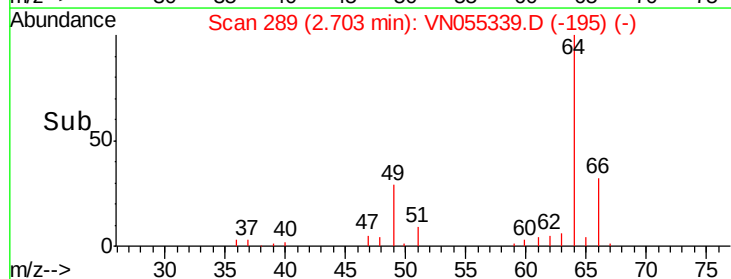
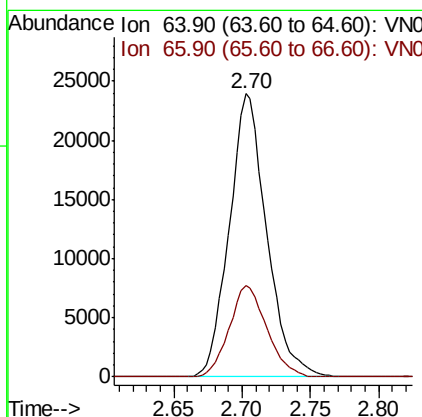
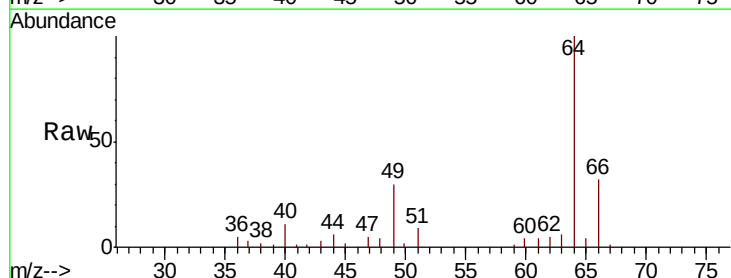
Instrument :
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VN0502WBS01

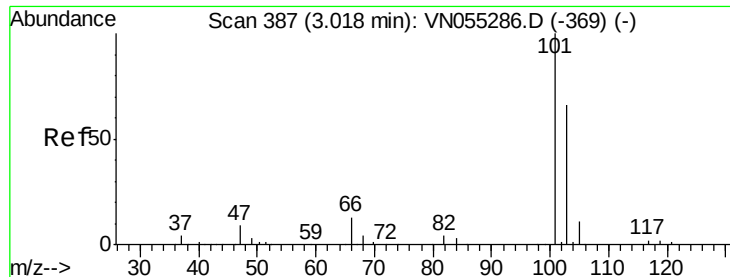
Tot Ion: 94 Resp: 45654
Ion Ratio Lower Upper
94 100
96 91.8 76.0 114.0



#6
Chloroethane
Concen: 18.555 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 64 Resp: 45433
Ion Ratio Lower Upper
64 100
66 32.4 25.0 37.4



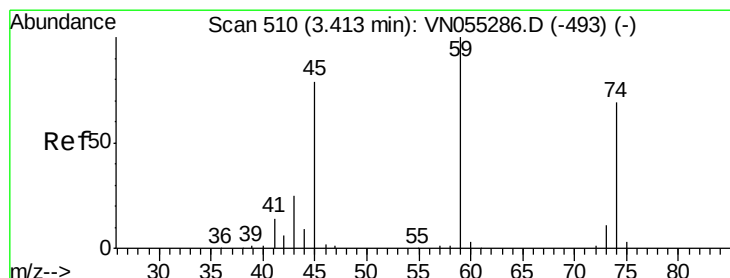
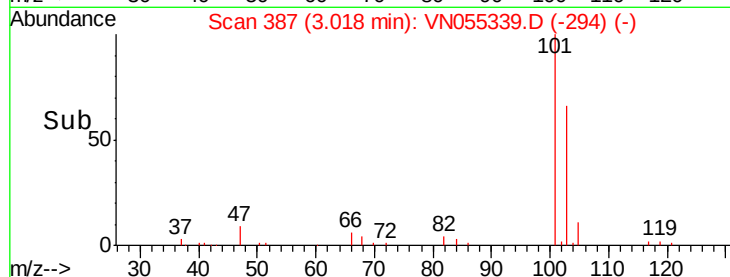
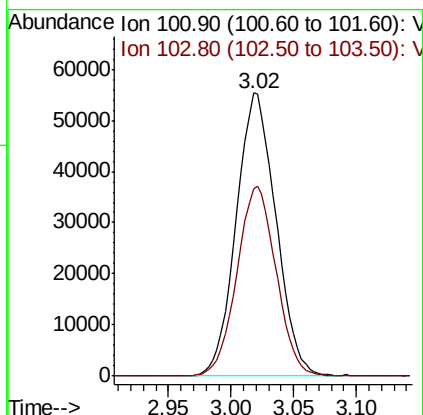
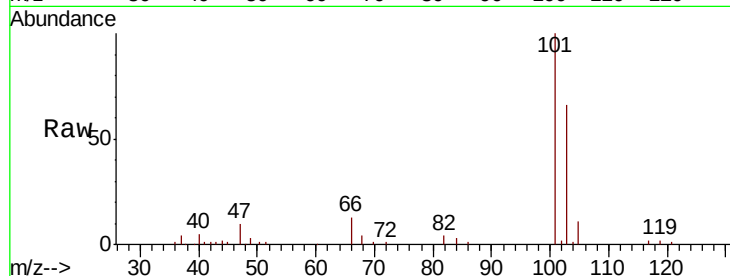


#7

Trichlorofluoromethane
Concen: 18.965 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

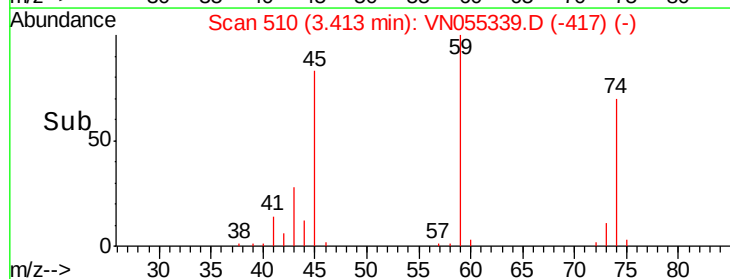
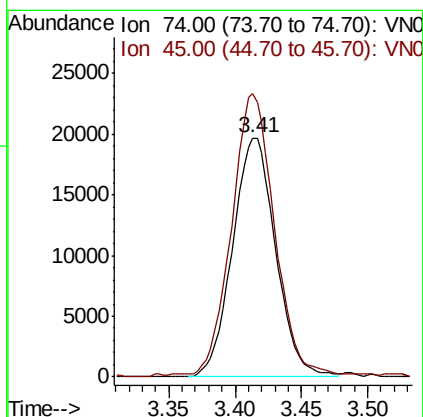
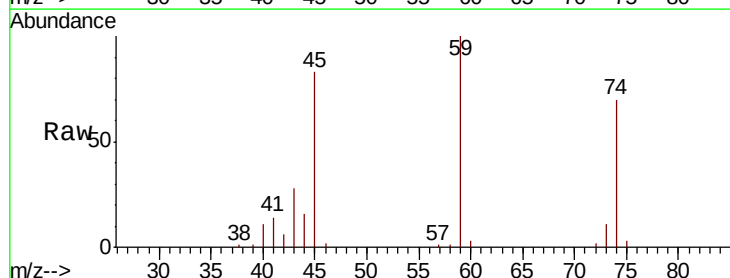
Tot Ion:101 Resp: 121895
Ion Ratio Lower Upper
101 100
103 66.2 52.6 79.0

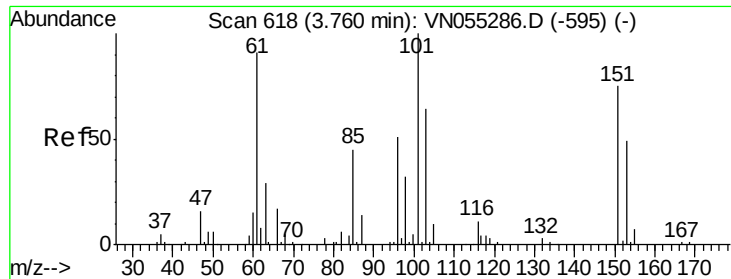


#8

Diethyl Ether
Concen: 19.771 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 74 Resp: 44459
Ion Ratio Lower Upper
74 100
45 115.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.698 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

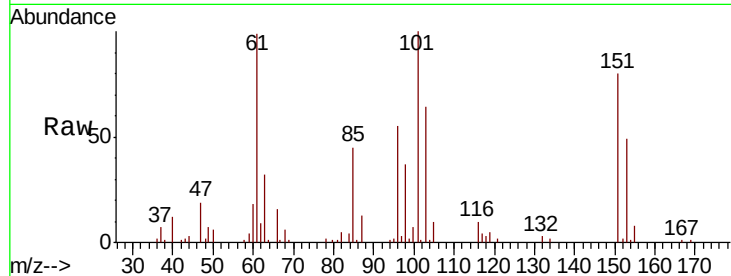
Tot Ion:101 Resp: 75391

Ion Ratio Lower Upper

101 100

85 45.6 35.7 53.5

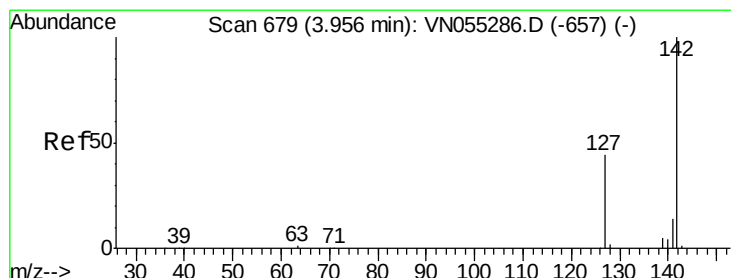
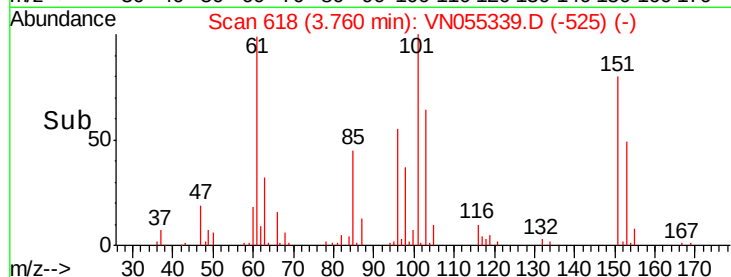
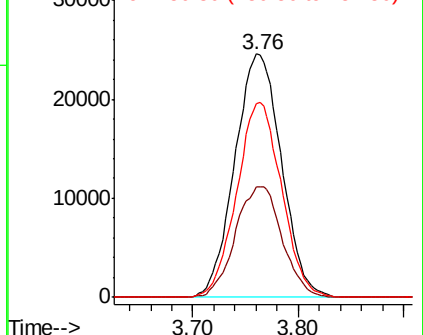
151 77.1 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.072 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

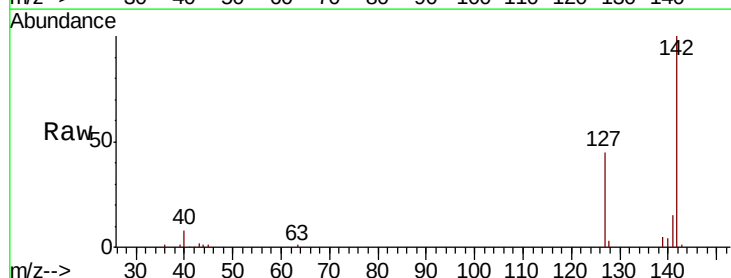
Tgt Ion:142 Resp: 102726

Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

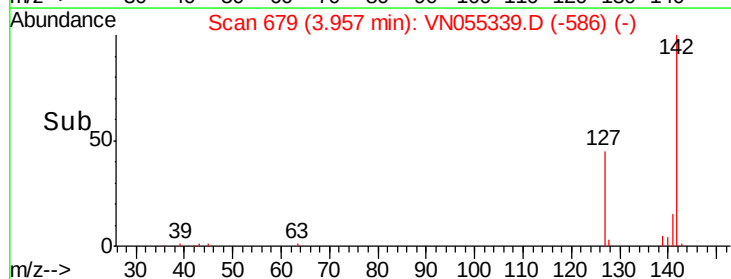
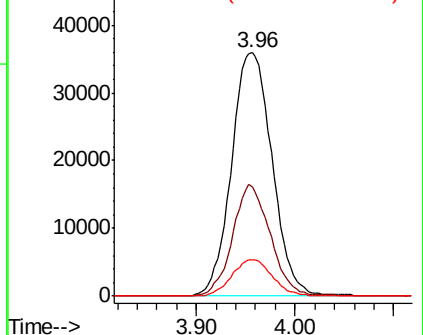
141 14.8 11.5 17.3

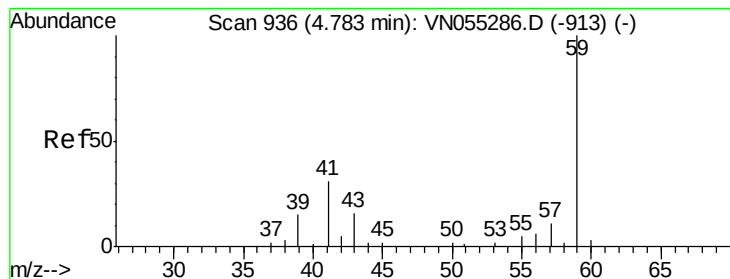


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



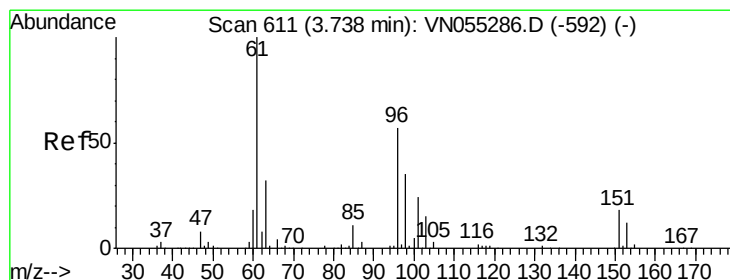
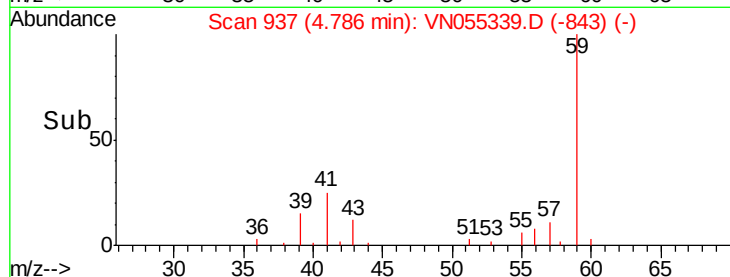
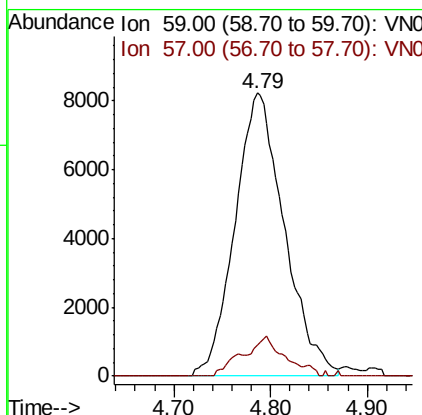
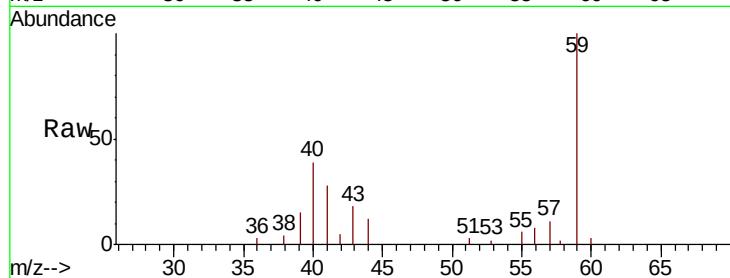


#11

Tert butyl alcohol
 Concen: 105.147 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

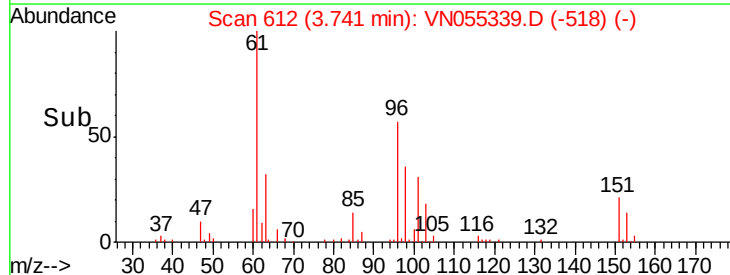
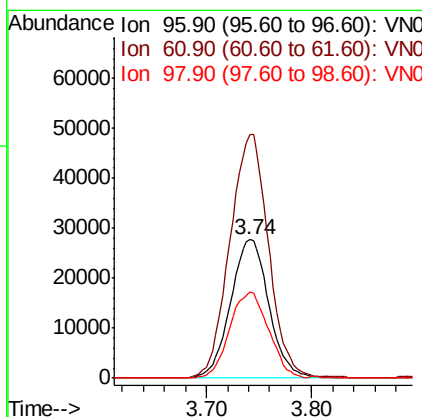
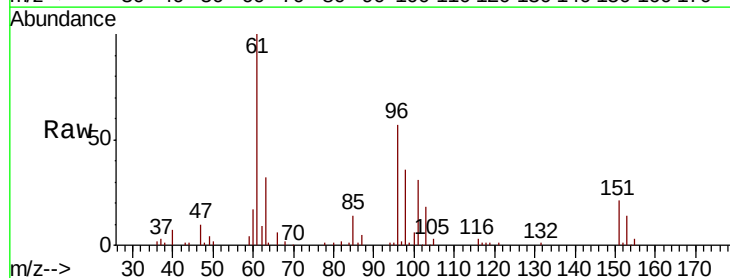
Tot Ion: 59 Resp: 29108
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.2 12.2#

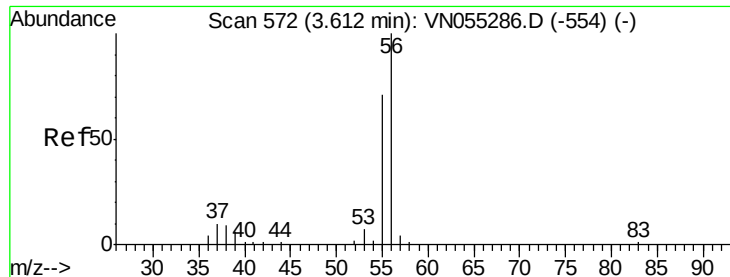


#12

1,1-Dichloroethene
 Concen: 19.153 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion: 96 Resp: 69928
 Ion Ratio Lower Upper
 96 100
 61 175.2 140.9 211.3
 98 62.4 50.0 75.0





#13

Acrolein

Concen: 83.059 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

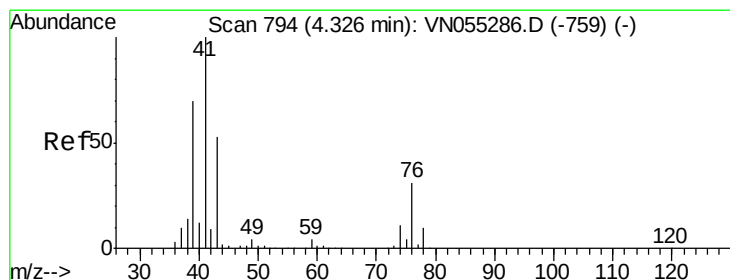
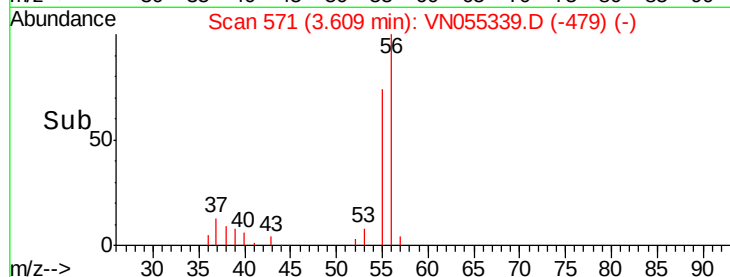
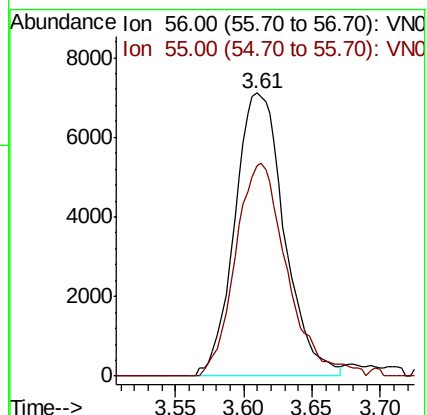
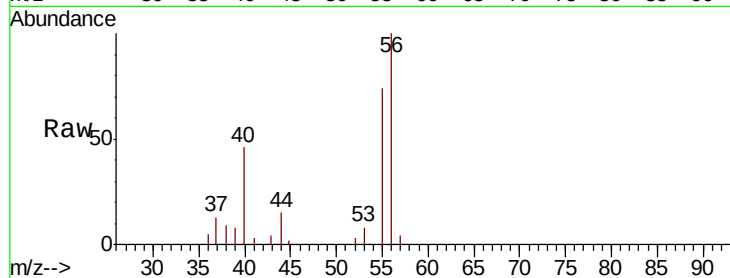
VN0502WBS01

Tot Ion: 56 Resp: 17957

Ion Ratio Lower Upper

56 100

55 78.1 57.4 86.2



#14

Allyl chloride

Concen: 19.314 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

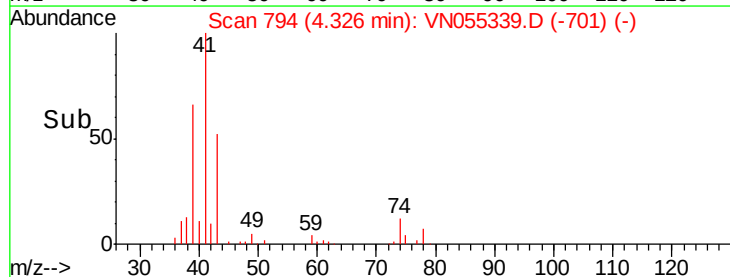
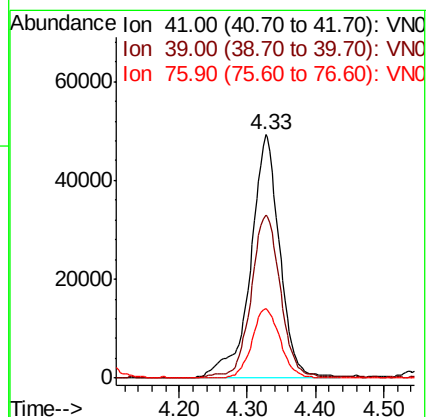
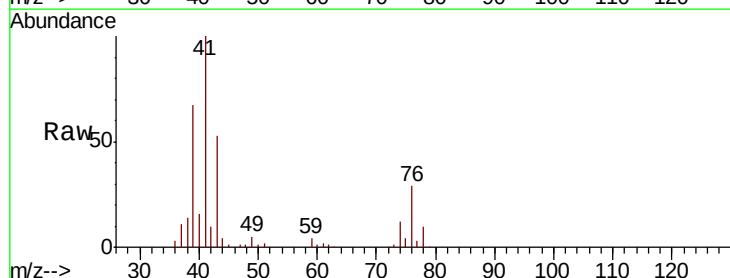
Tgt Ion: 41 Resp: 146047

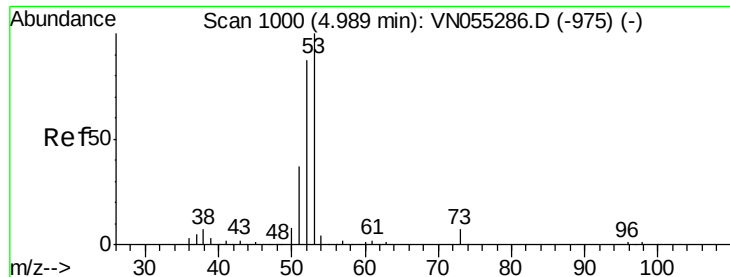
Ion Ratio Lower Upper

41 100

39 65.3 53.0 79.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 103.774 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

VN0502WBS01

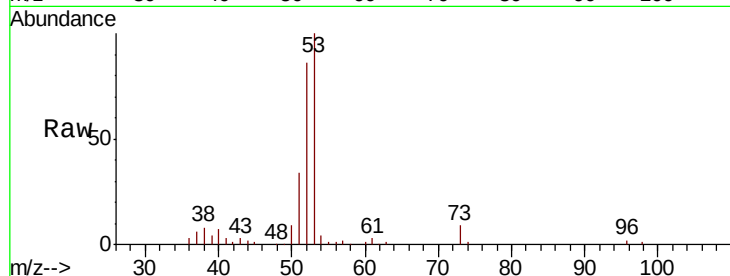
Tot Ion: 53 Resp: 161477

Ion Ratio Lower Upper

53 100

52 83.8 66.5 99.7

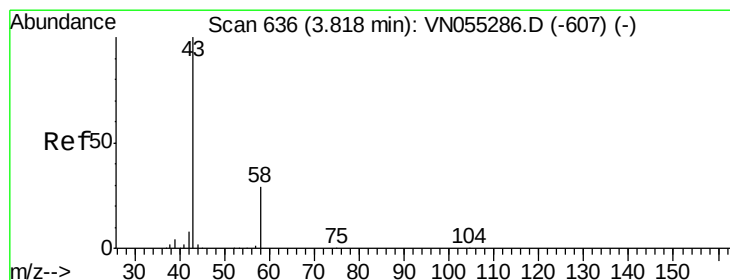
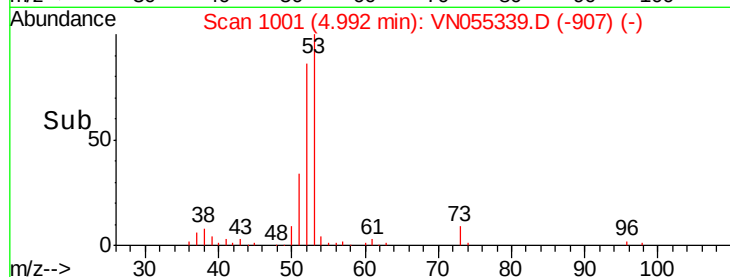
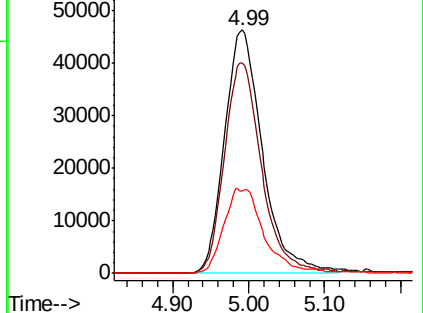
51 17.6 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 102.211 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055339.D

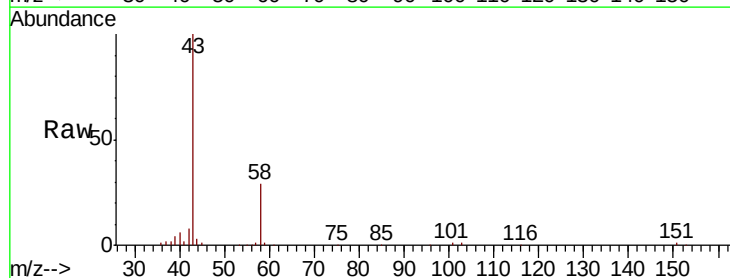
Acq: 2 May 2019 10:21

Tgt Ion: 43 Resp: 153991

Ion Ratio Lower Upper

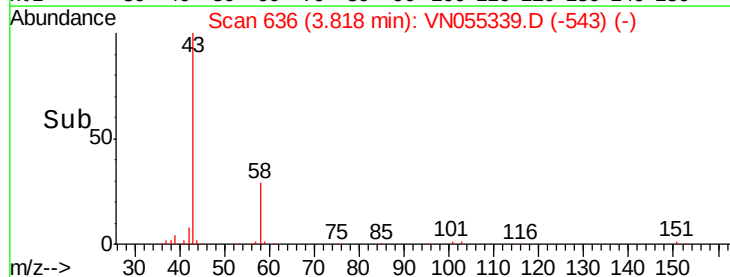
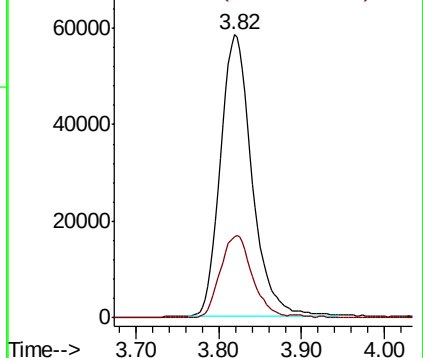
43 100

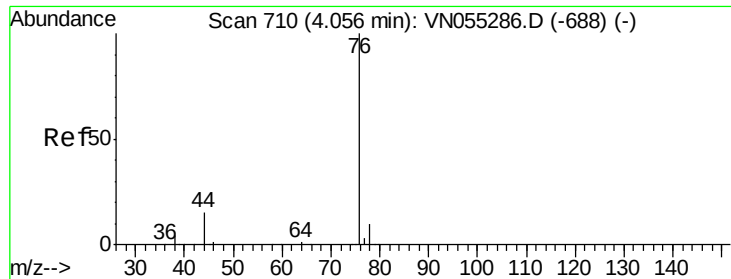
58 28.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.004 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

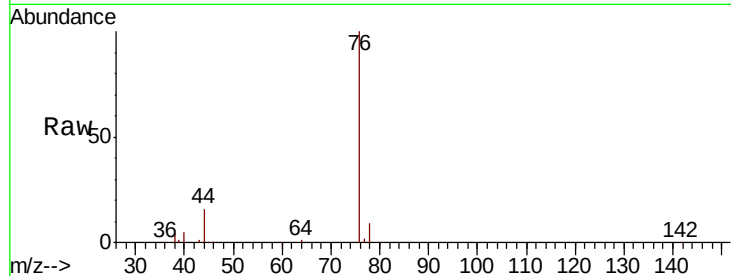
VN0502WBS01

Tot Ion: 76 Resp: 171548

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN055339.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN055339.D (-617) (-)

4.06

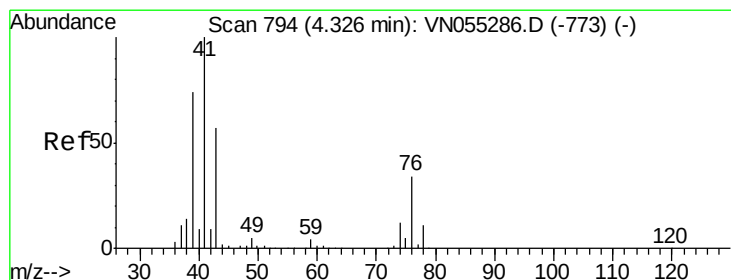
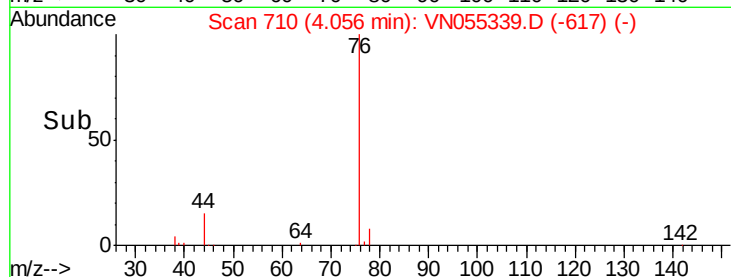
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.395 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055339.D

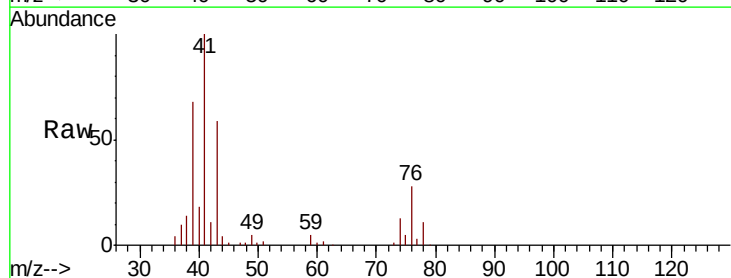
Acq: 2 May 2019 10:21

Tgt Ion: 43 Resp: 84291

Ion Ratio Lower Upper

43 100

74 19.2 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN055339.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055339.D (-701) (-)

4.33

30000

25000

20000

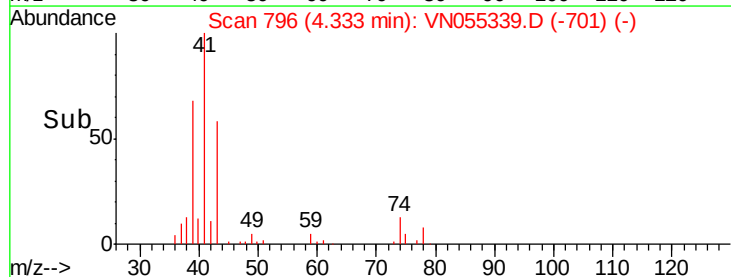
15000

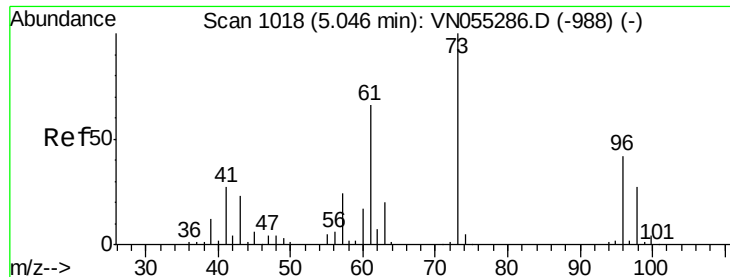
10000

5000

0

Time-->

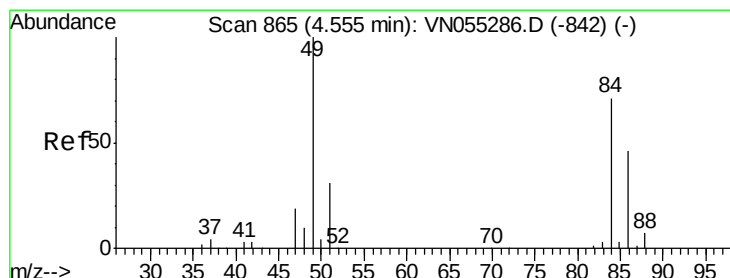
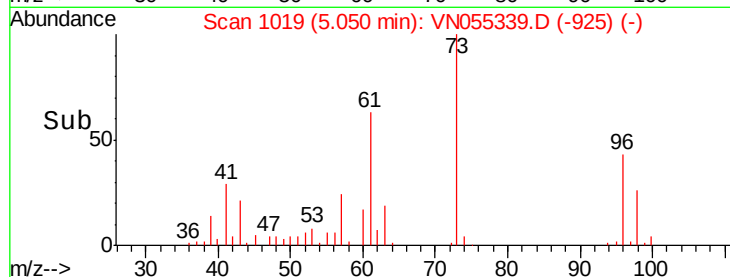
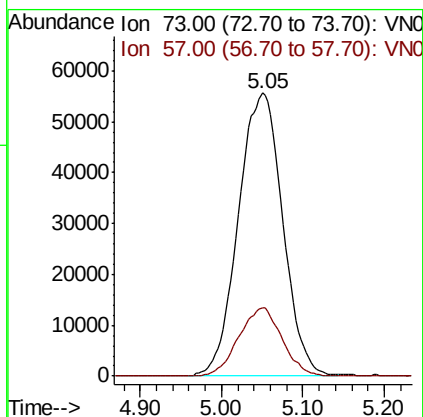
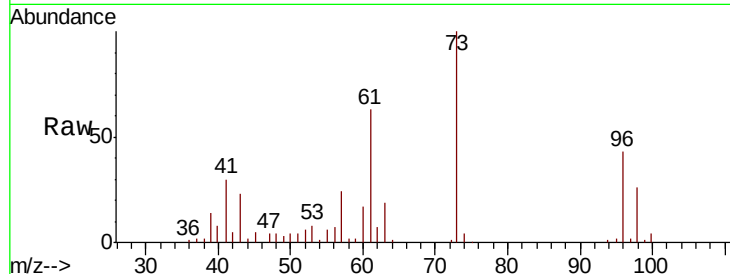




#19
Methyl tert-butyl Ether
Concen: 20.433 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

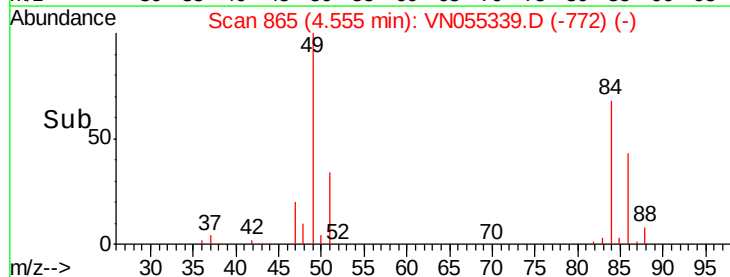
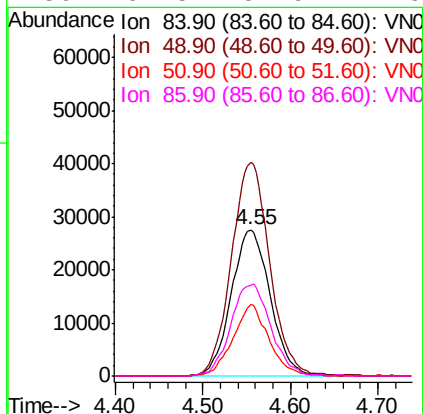
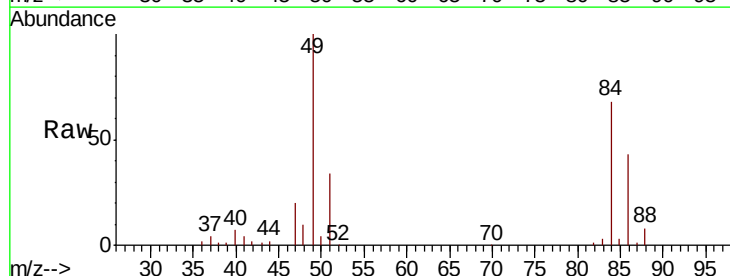
Instrument :
MSVOA_N
ClientSampled :
VN0502WBS01

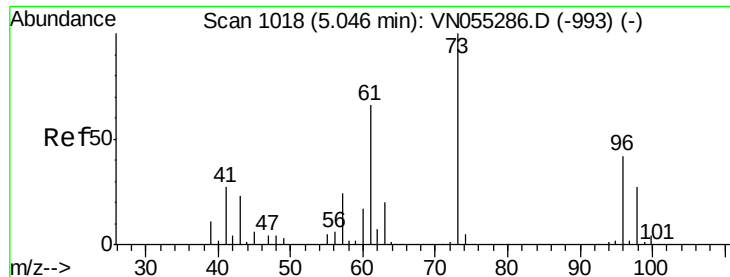
Tot Ion: 73 Resp: 209725
Ion Ratio Lower Upper
73 100
57 24.2 19.1 28.7



#20
Methylene Chloride
Concen: 18.524 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 84 Resp: 85183
Ion Ratio Lower Upper
84 100
49 146.2 112.4 168.6
51 49.0 34.6 51.8
86 62.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.125 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

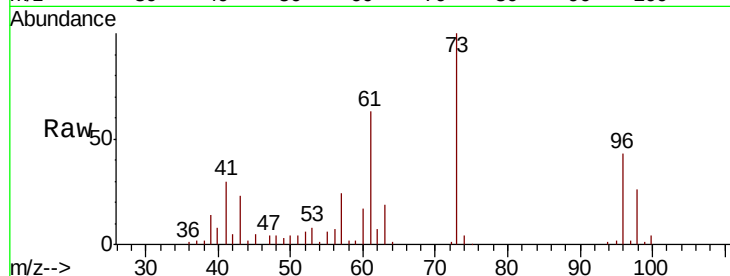
Tot Ion: 96 Resp: 73950

Ion Ratio Lower Upper

96 100

61 146.7 126.2 189.4

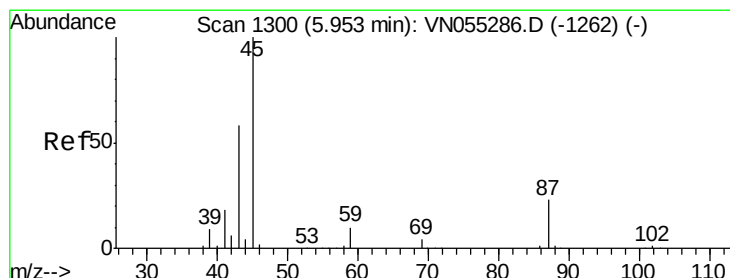
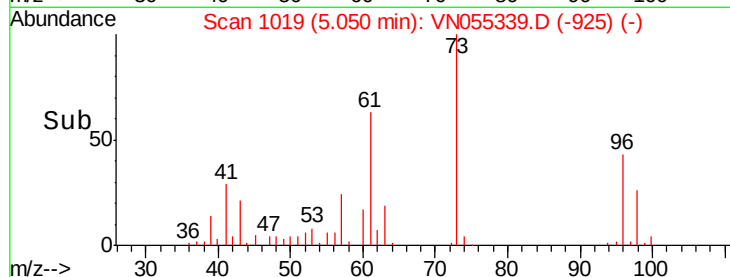
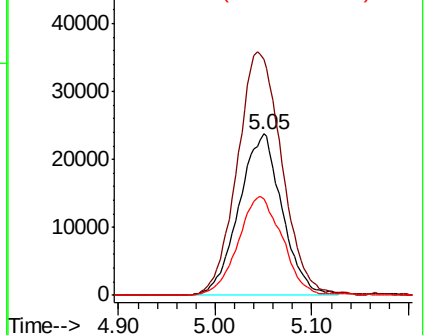
98 59.9 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VN055339.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055339.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055339.D (-1207) (-)



#22

Diisopropyl ether

Concen: 20.682 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Tgt Ion: 45 Resp: 310731

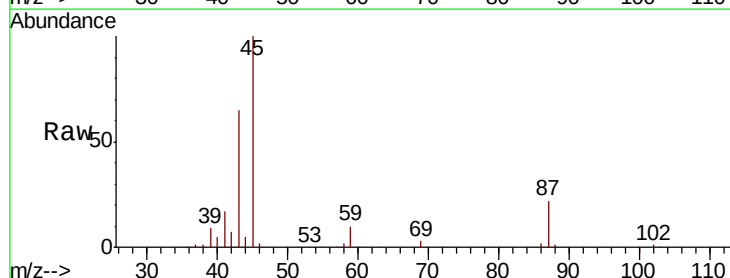
Ion Ratio Lower Upper

45 100

43 62.6 46.6 70.0

87 22.2 18.1 27.1

59 9.6 8.2 12.2

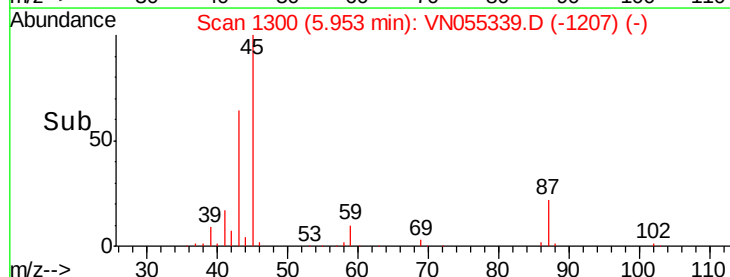
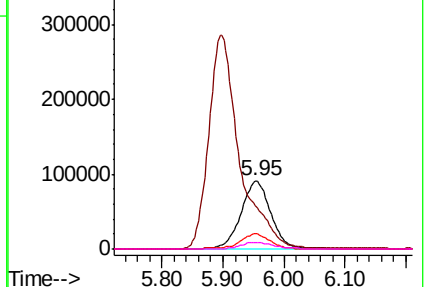


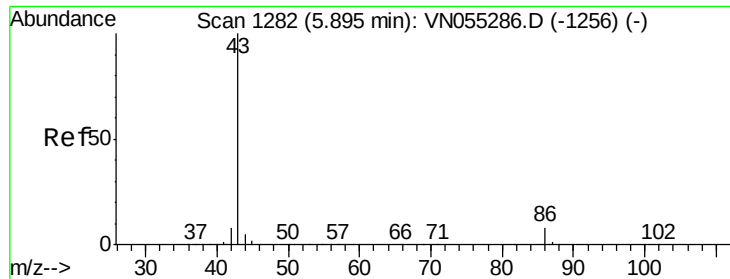
Abundance Ion 45.00 (44.70 to 45.70): VN055339.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055339.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055339.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055339.D (-1207) (-)

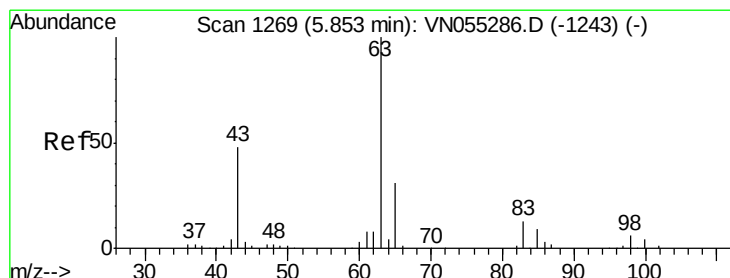
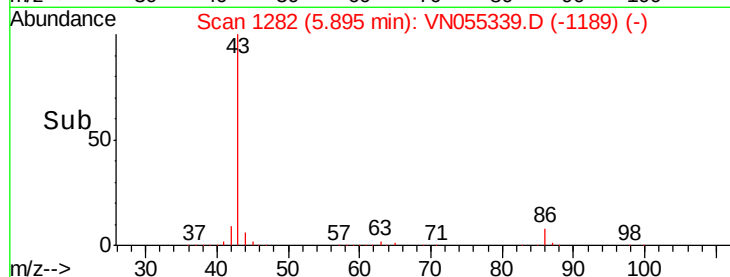
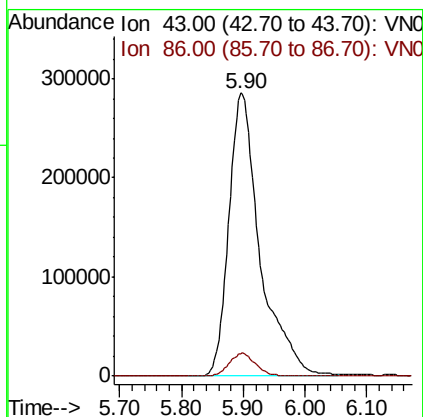
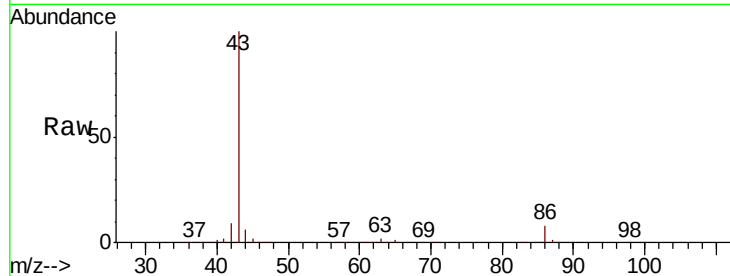




#23
 Vinyl Acetate
 Concen: 101.969 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

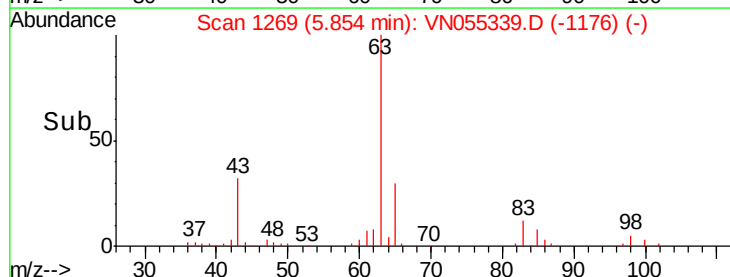
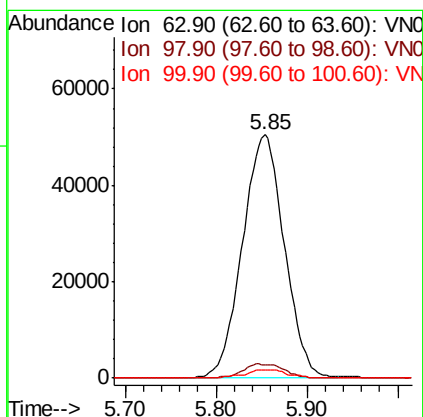
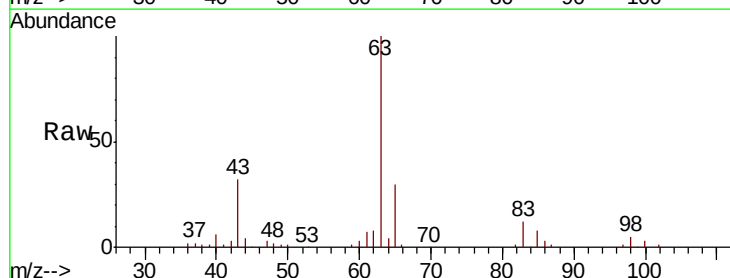
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

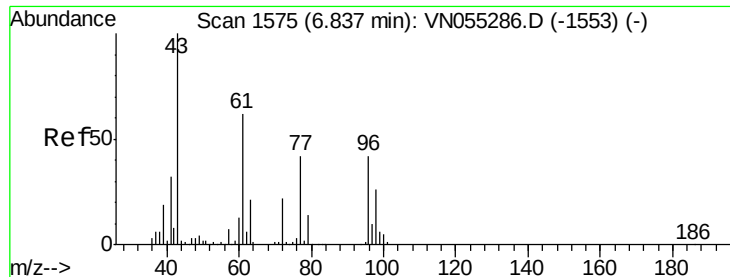
Tot Ion: 43 Resp: 1004084
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 20.142 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion: 63 Resp: 161244
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.0 9.0
 100 3.4 1.8 5.4





#25

2-Butanone

Concen: 106.664 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

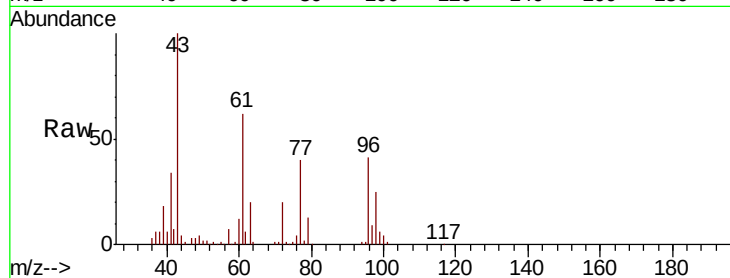
VN0502WBS01

Tot Ion: 43 Resp: 205515

Ion Ratio Lower Upper

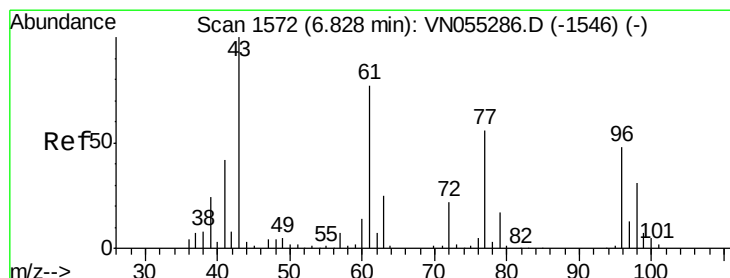
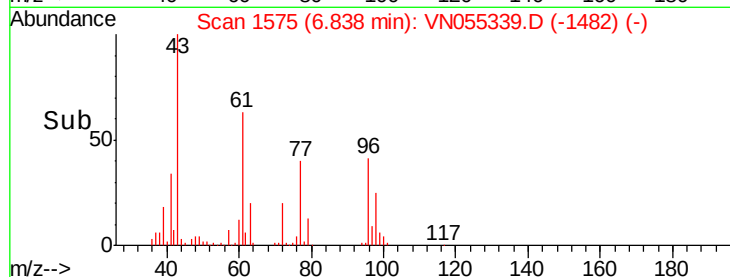
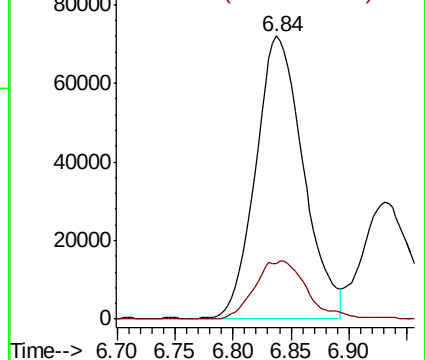
43 100

72 19.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.025 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055339.D

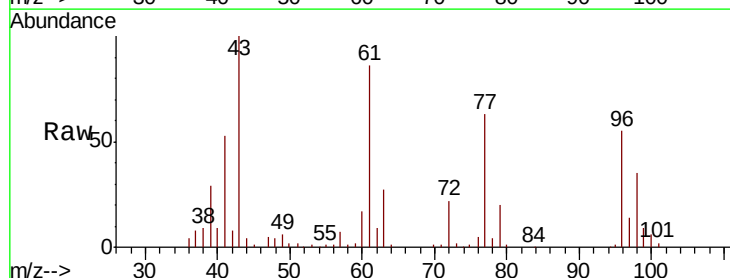
Acq: 2 May 2019 10:21

Tgt Ion: 77 Resp: 105171

Ion Ratio Lower Upper

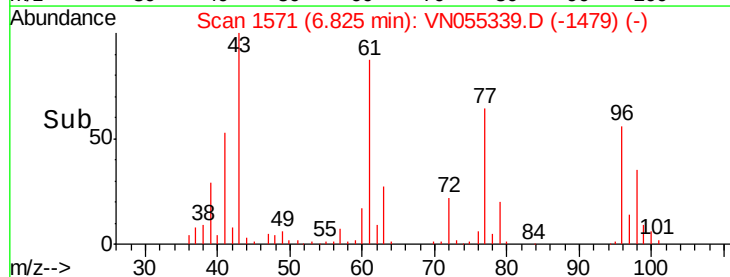
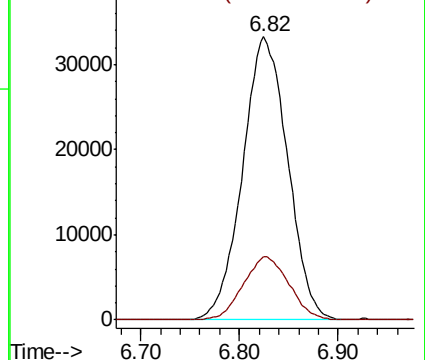
77 100

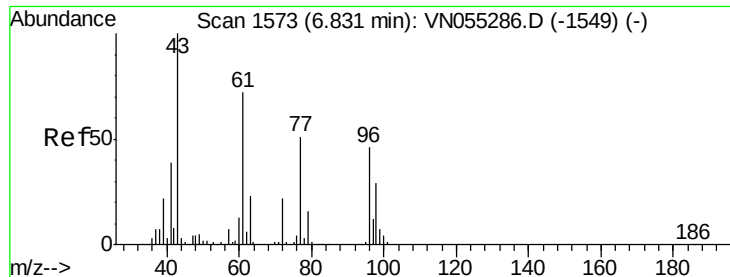
97 22.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.449 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

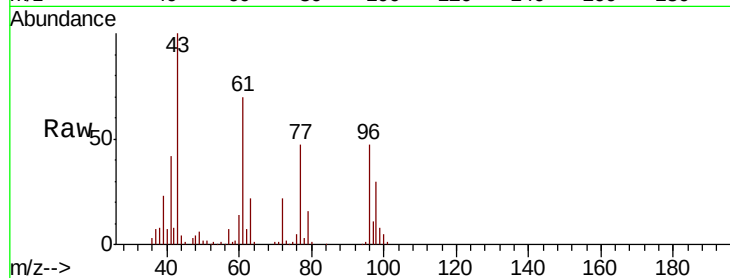
Tot Ion: 96 Resp: 89918

Ion Ratio Lower Upper

96 100

61 157.6 0.0 316.2

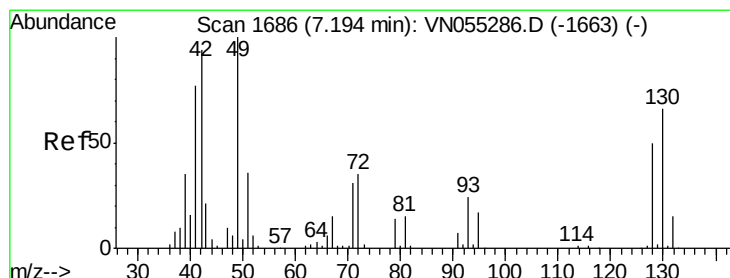
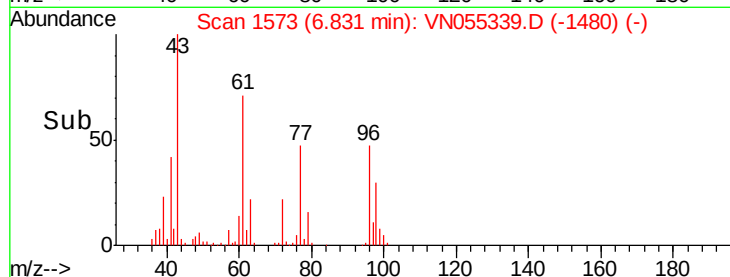
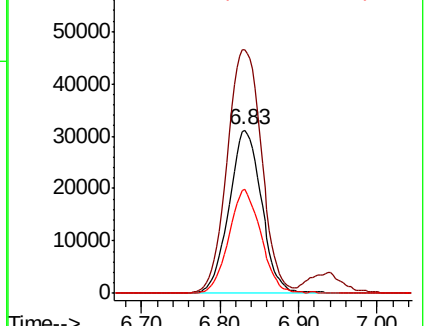
98 62.8 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN055339.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN055339.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN055339.D (-1480) (-)



#28

Bromochloromethane

Concen: 20.317 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

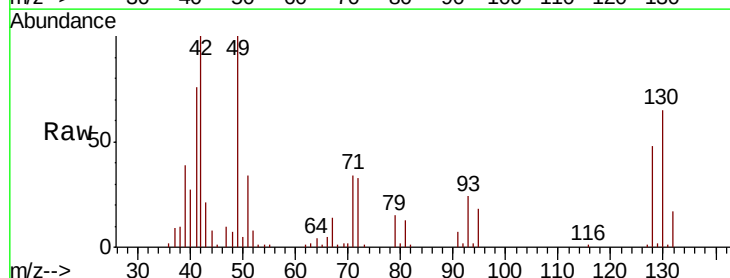
Tgt Ion: 49 Resp: 81981

Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.4

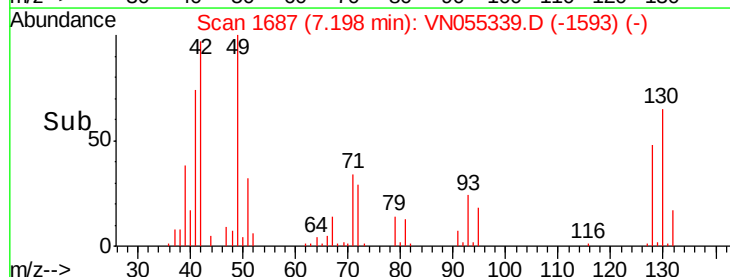
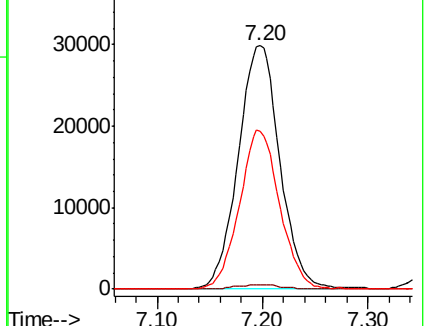
130 62.9 52.0 78.0

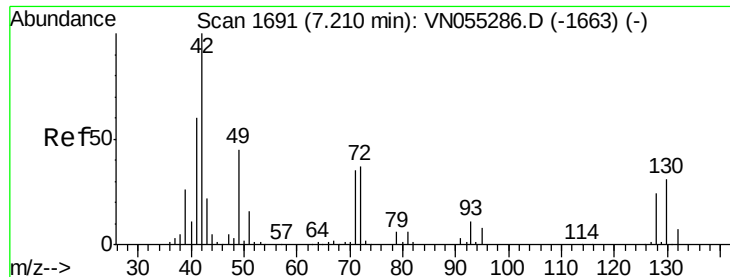


Abundance Ion 48.90 (48.60 to 49.60): VN055339.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055339.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055339.D (-1593) (-)

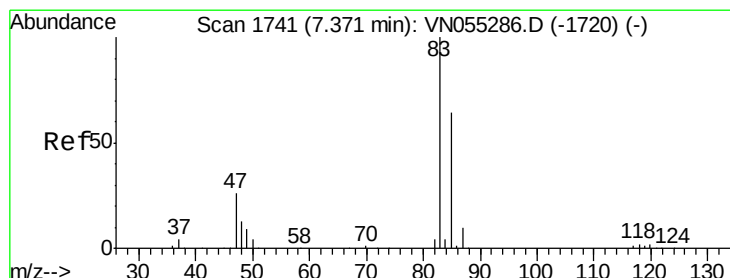
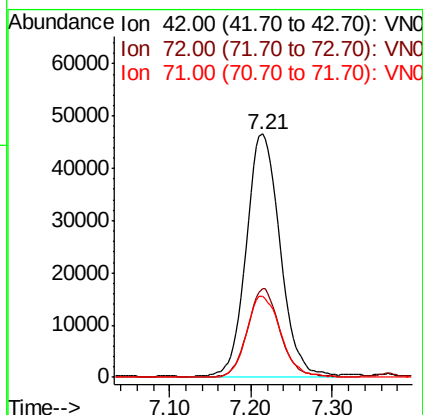
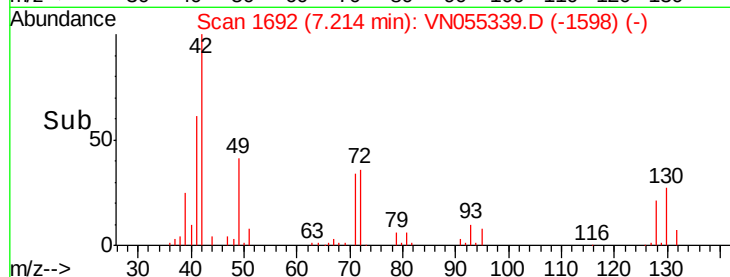
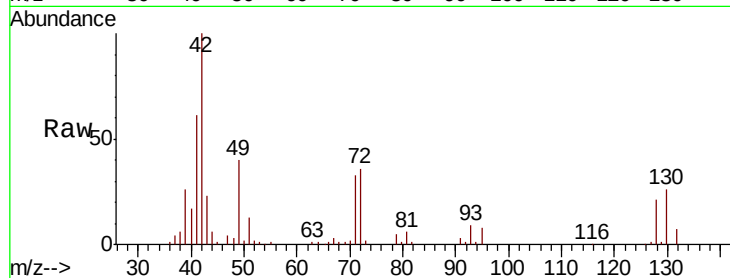




#29
Tetrahydrofuran
Concen: 108.809 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

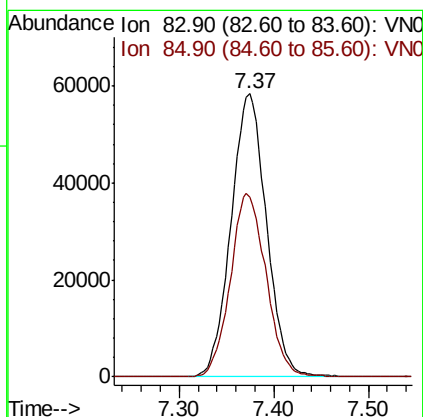
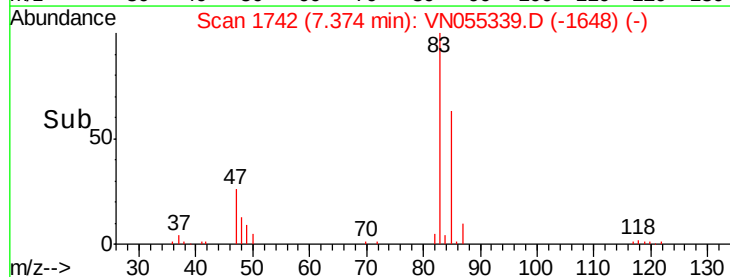
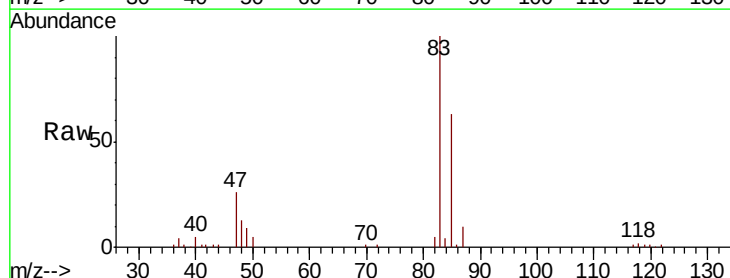
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

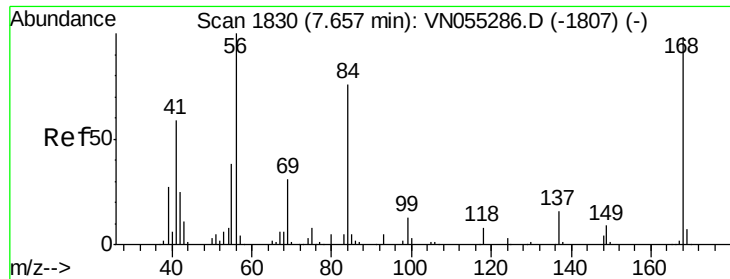
Tot Ion: 42 Resp: 134243
Ion Ratio Lower Upper
42 100
72 34.9 29.0 43.6
71 33.6 27.1 40.7



#30
Chloroform
Concen: 20.050 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 83 Resp: 152149
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2

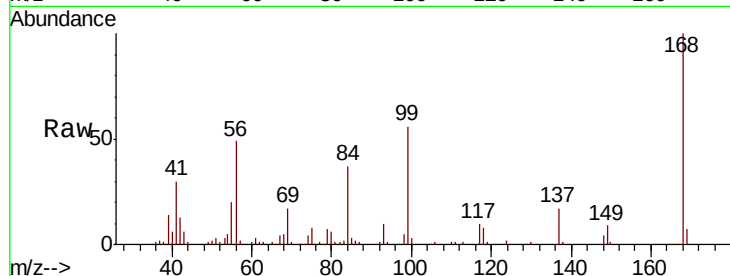




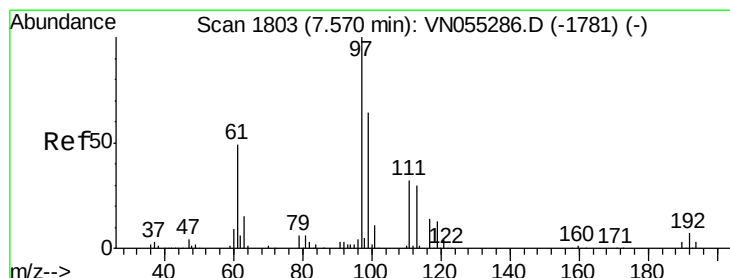
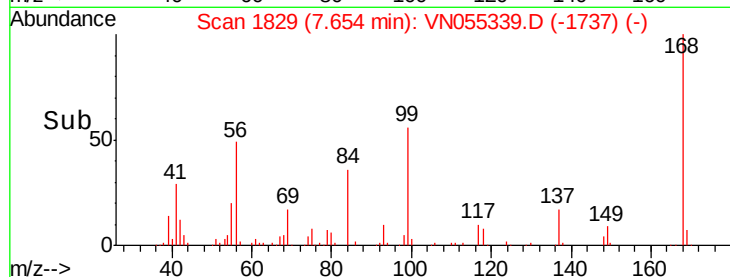
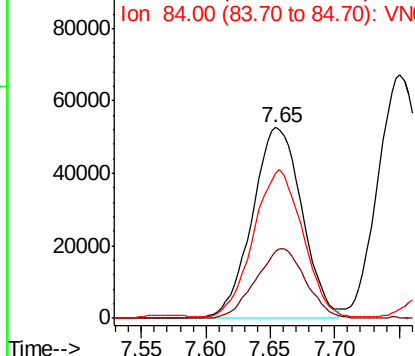
#31
Cyclohexane
Concen: 18.593 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tot Ion: 56 Resp: 141412
Ion Ratio Lower Upper
56 100
69 35.0 25.2 37.8
84 75.2 61.1 91.7

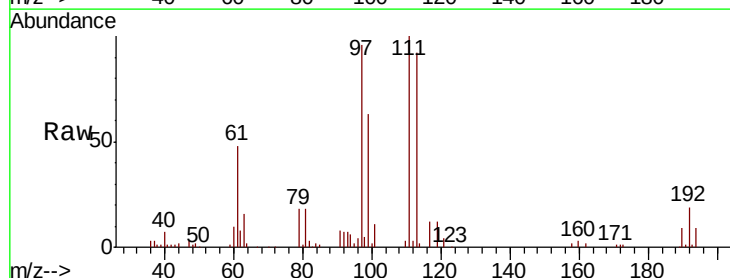


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

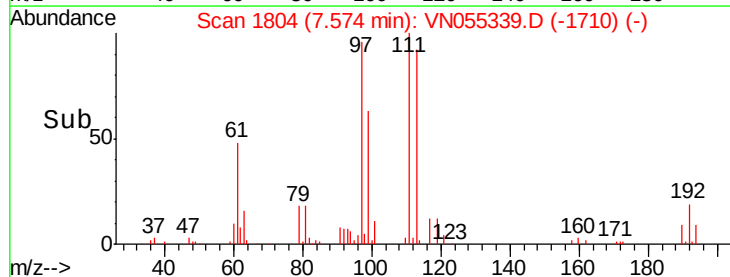
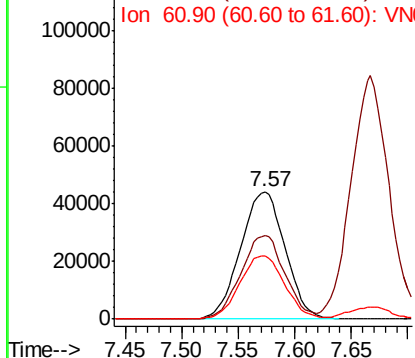


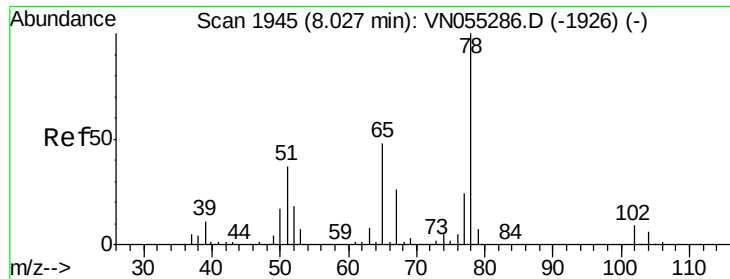
#32
1,1,1-Trichloroethane
Concen: 19.605 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 97 Resp: 120743
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.8
61 50.0 39.0 58.6



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: 51.540 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

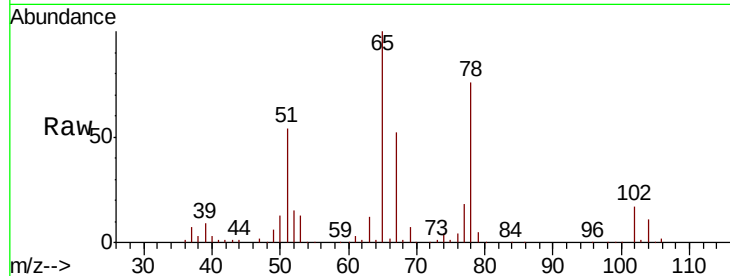
VN0502WBS01

Tot Ion: 65 Resp: 249207

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055339.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055339.D (-1852) (-)

8.03

120000

100000

80000

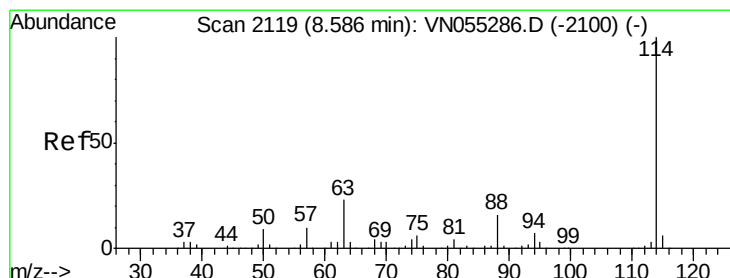
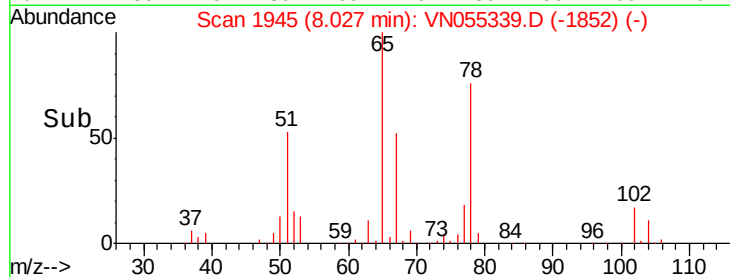
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

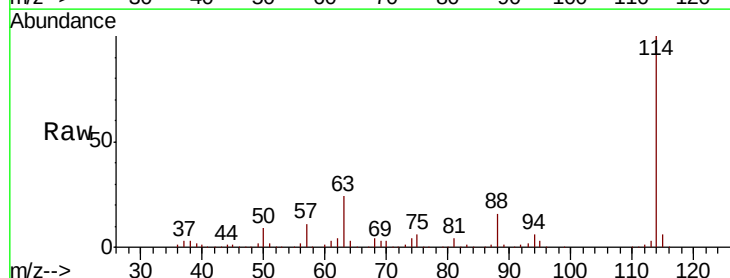
Tgt Ion: 114 Resp: 593226

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055339.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055339.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055339.D (-2026) (-)

8.59

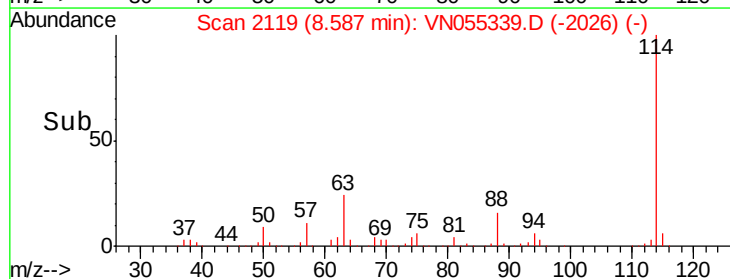
300000

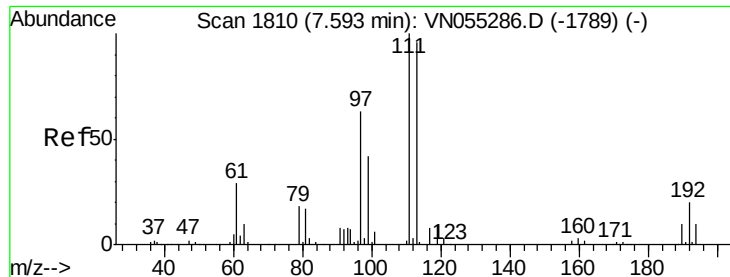
200000

100000

0

Time-->

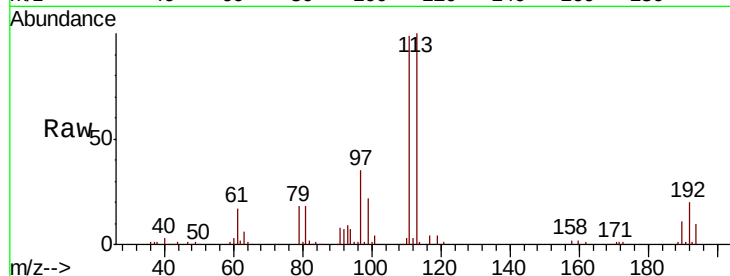




#35
 Dibromofluoromethane
 Concen: 49.666 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.3	123.5
192	20.9	17.0	25.6

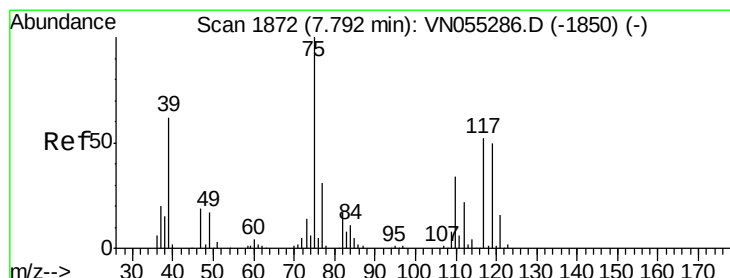
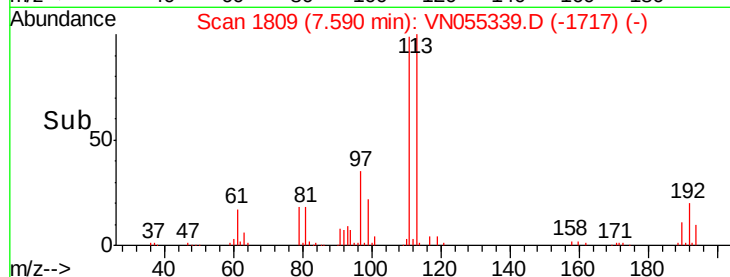
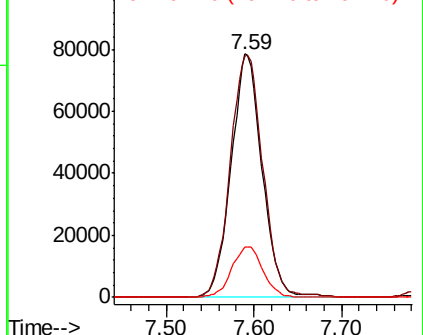


Abundance

Ion 112.80 (112.50 to 113.50): V

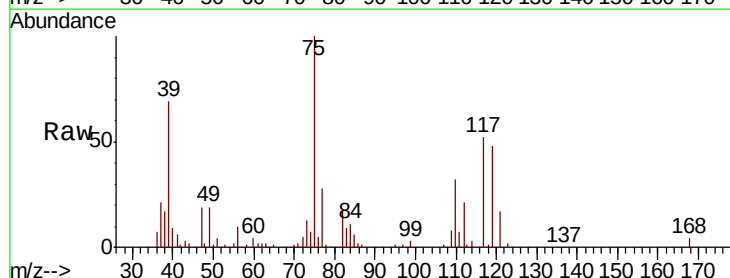
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.488 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.8	50.4
77	29.9	25.0	37.6

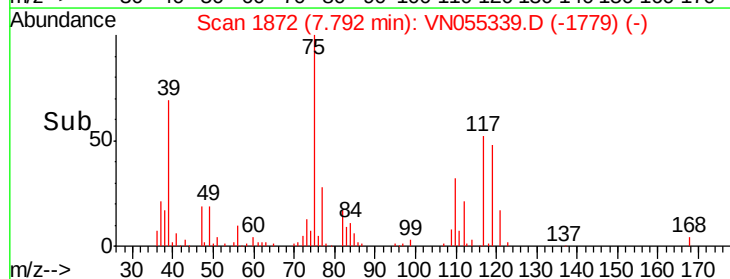
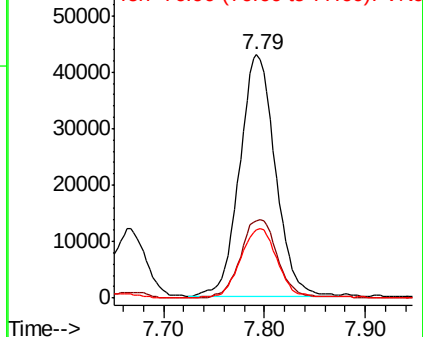


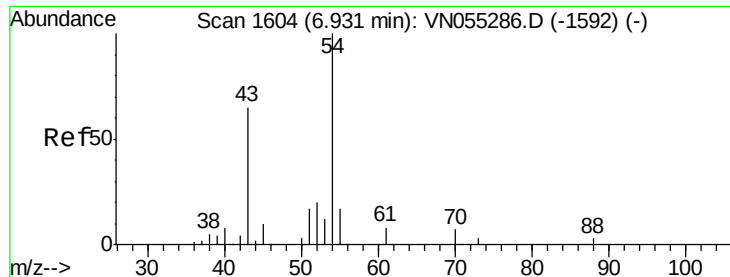
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

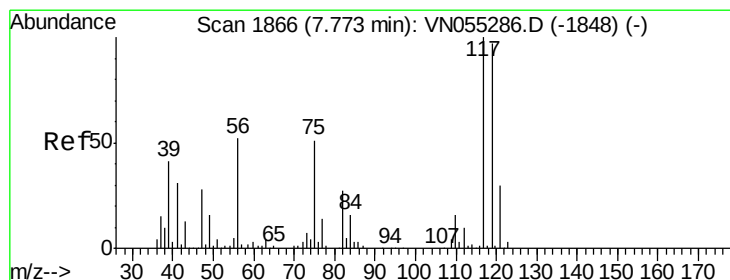
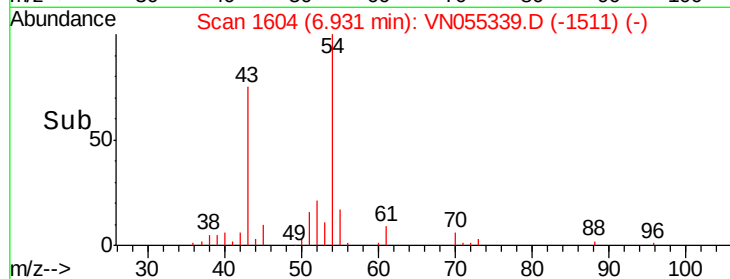
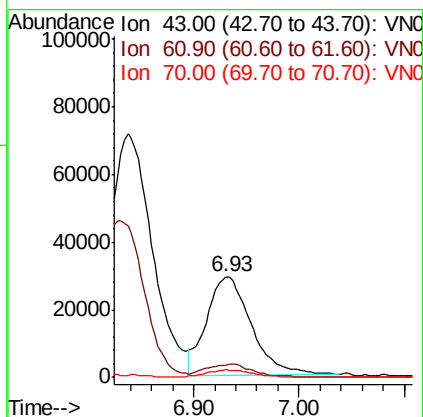
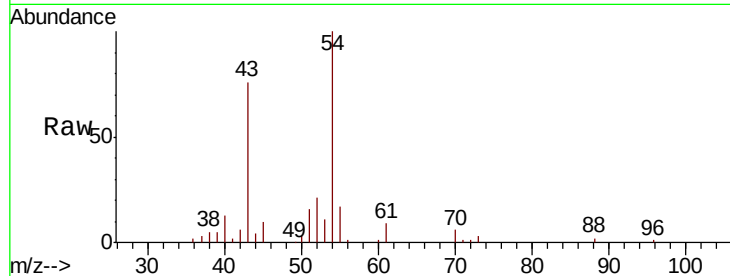




#37
Ethyl Acetate
Concen: 19.590 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

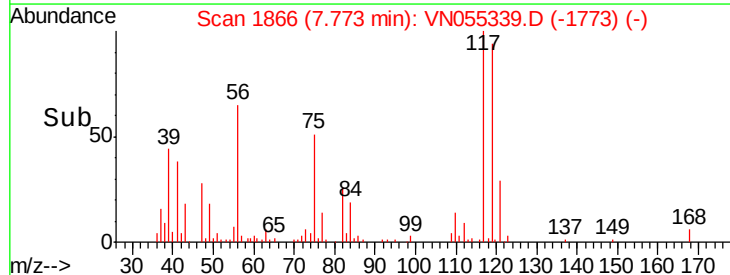
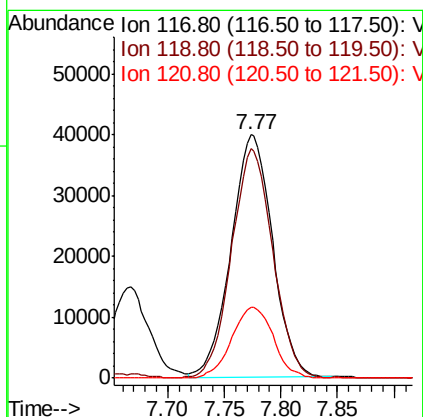
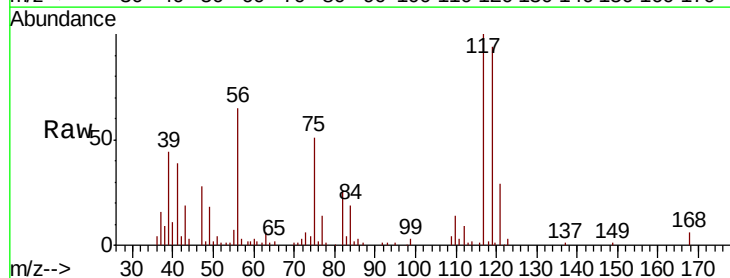
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

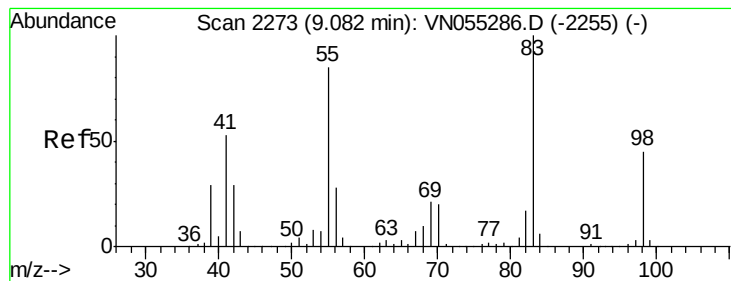
Tot Ion: 43 Resp: 85312
Ion Ratio Lower Upper
43 100
61 14.4 10.4 15.6
70 7.9 6.6 10.0



#38
Carbon Tetrachloride
Concen: 18.499 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 117 Resp: 101400
Ion Ratio Lower Upper
117 100
119 94.2 77.0 115.6
121 29.1 23.8 35.8





#39

Methylvlcyclohexane

Concen: 18.714 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

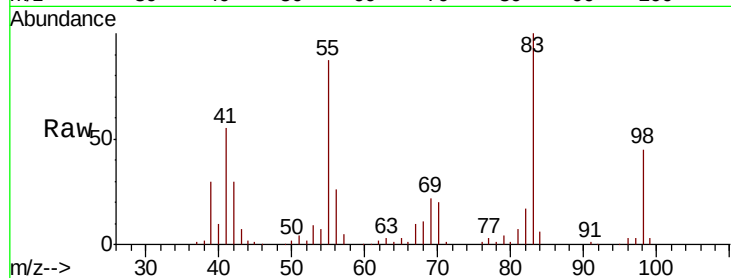
Tot Ion: 83 Resp: 113061

Ion Ratio Lower Upper

83 100

55 87.3 67.8 101.6

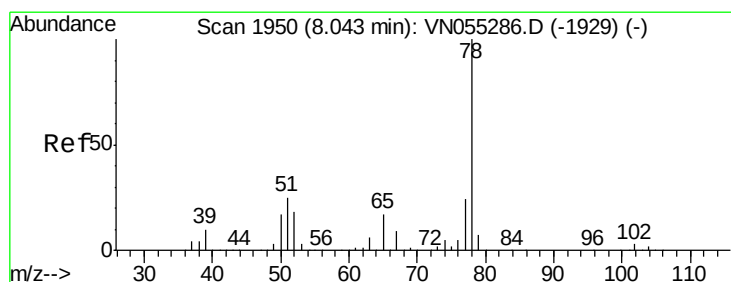
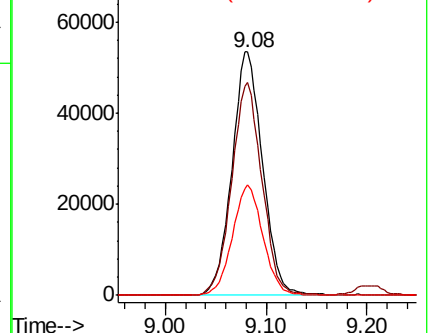
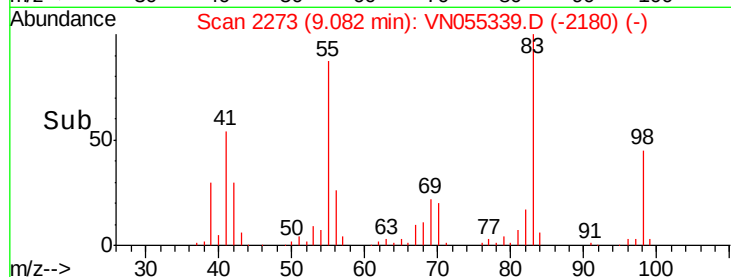
98 45.2 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.508 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055339.D

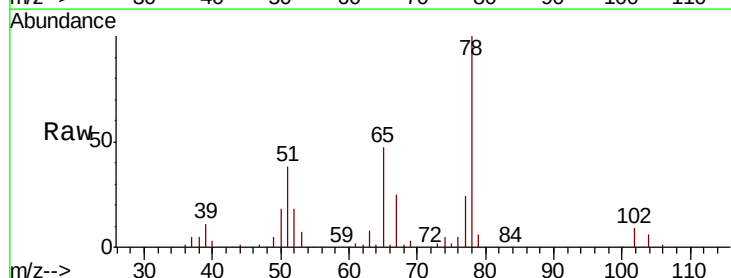
Acq: 2 May 2019 10:21

Tgt Ion: 78 Resp: 326771

Ion Ratio Lower Upper

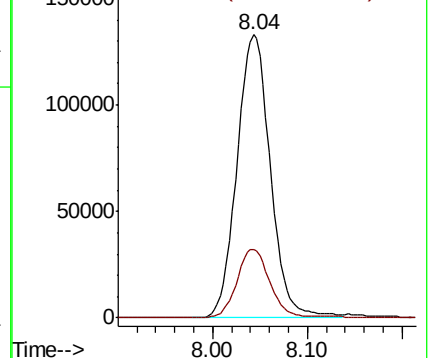
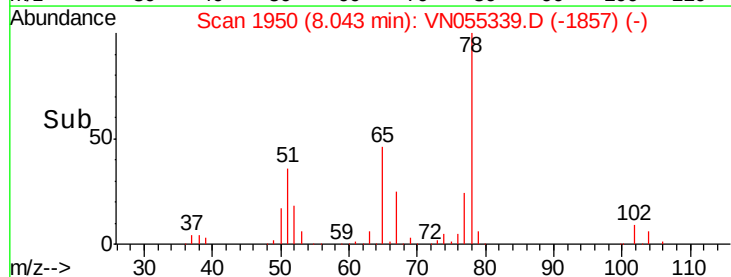
78 100

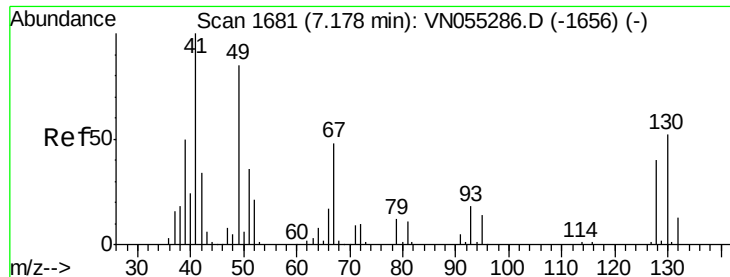
77 24.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

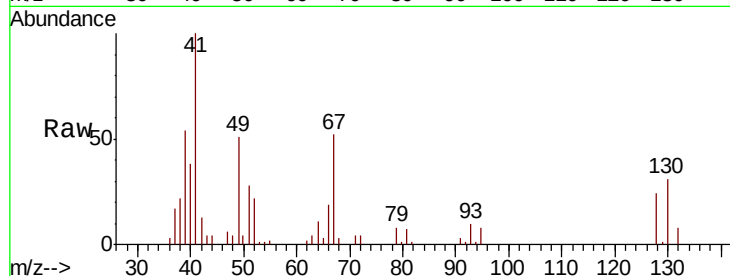




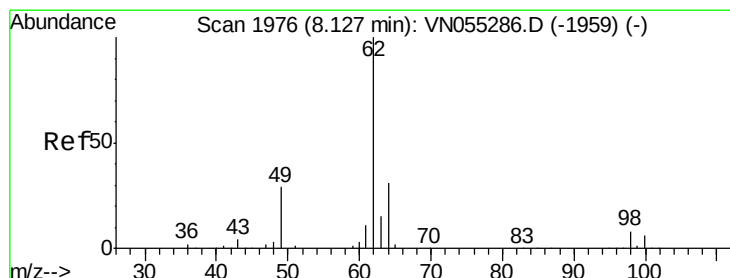
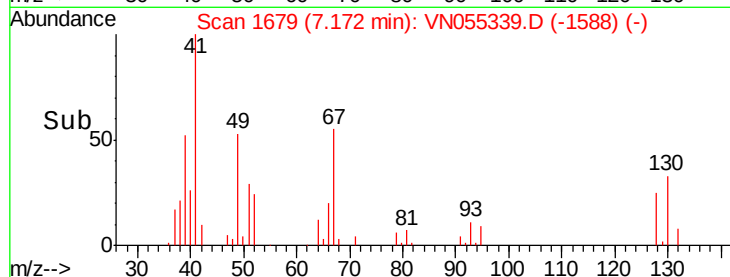
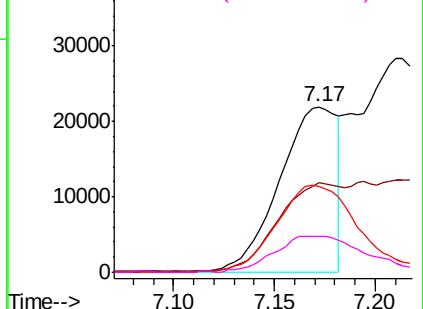
#41
Methacrylonitrile
Concen: 18.947 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tot Ion:	41	Resp:	43558
Ion	Ratio	Lower	Upper
41	100		
39	58.9	48.5	72.7
67	75.8	54.9	82.3
52	34.5	24.9	37.3

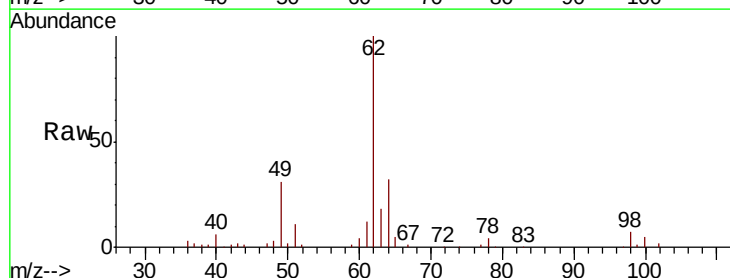


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

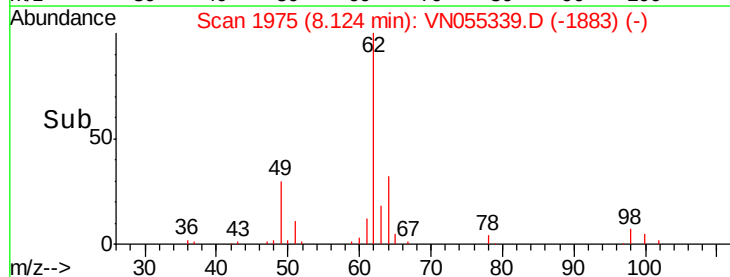
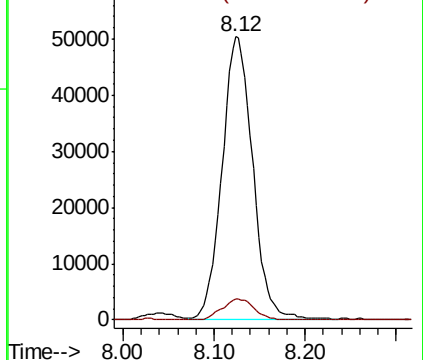


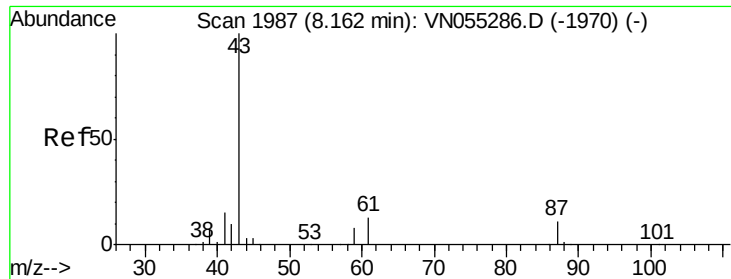
#42
1,2-Dichloroethane
Concen: 19.768 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion:	62	Resp:	117278
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 20.313 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

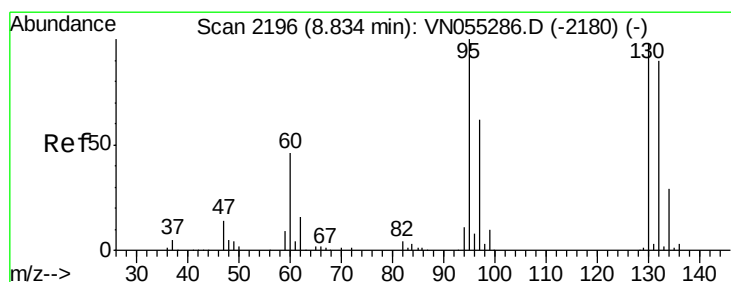
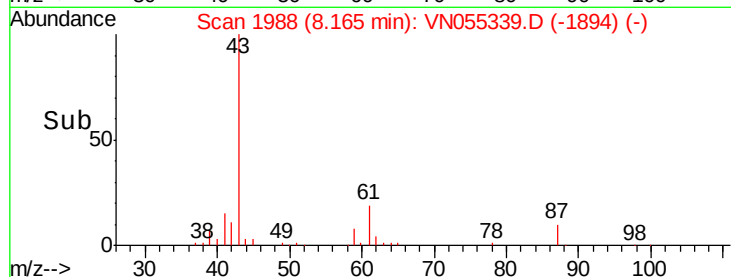
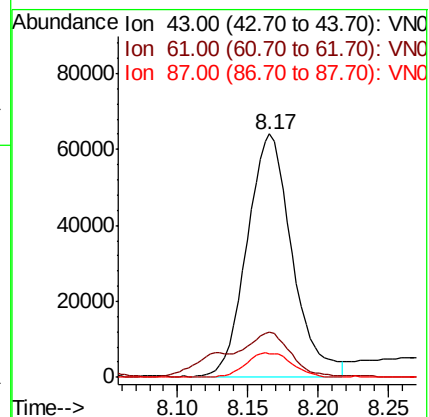
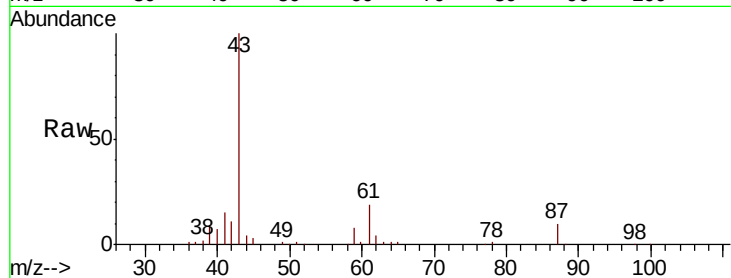
Tot Ion: 43 Resp: 142162

Ion Ratio Lower Upper

43 100

61 16.8 20.8 31.2#

87 10.6 8.5 12.7



#44

Trichloroethene

Concen: 19.117 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055339.D

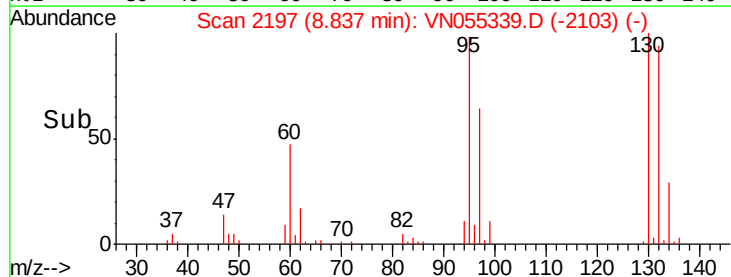
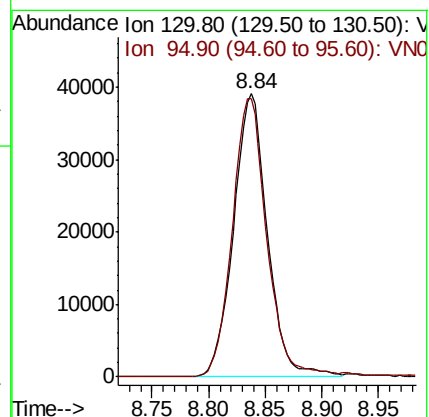
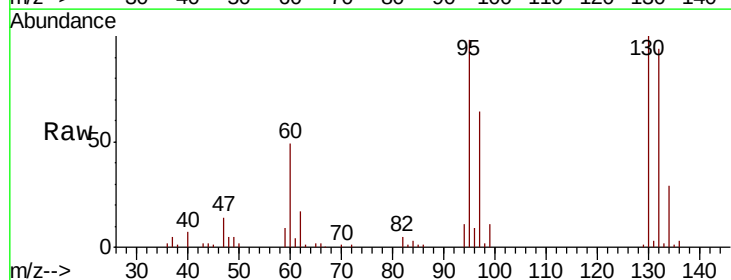
Acq: 2 May 2019 10:21

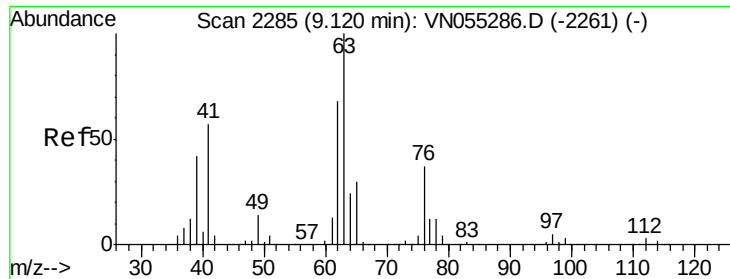
Tgt Ion:130 Resp: 81635

Ion Ratio Lower Upper

130 100

95 98.4 0.0 203.4

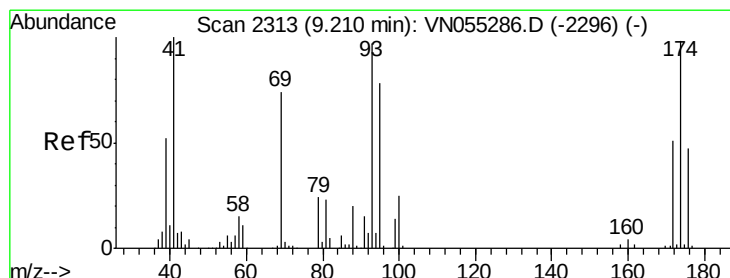
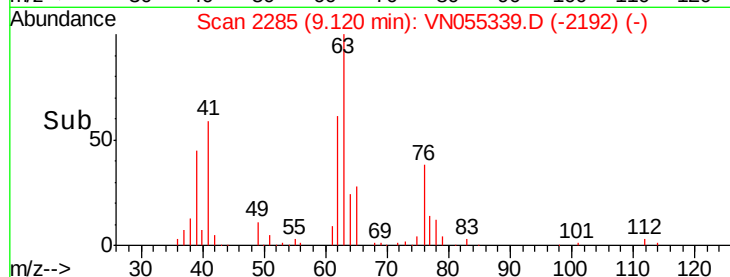
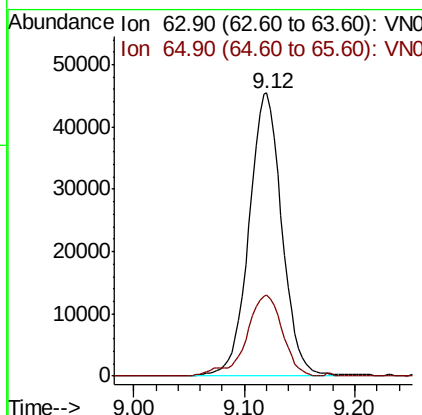
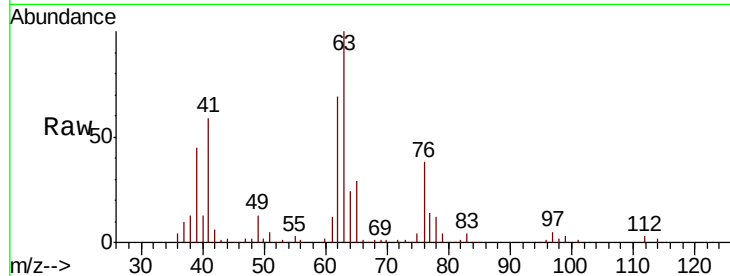




#45
 1,2-Dichloropropane
 Concen: 19.442 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

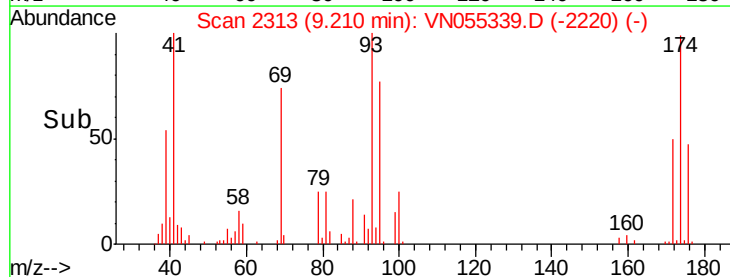
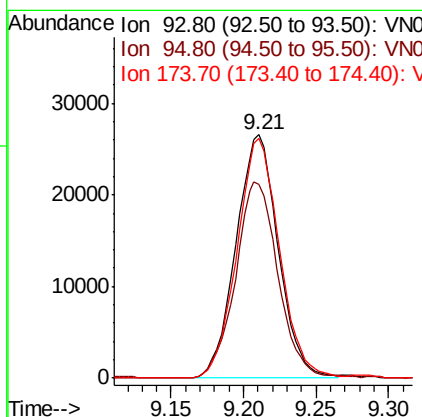
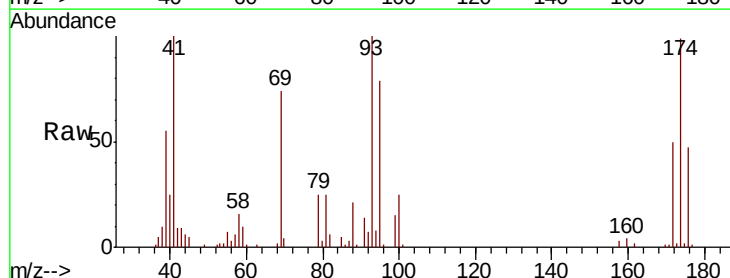
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

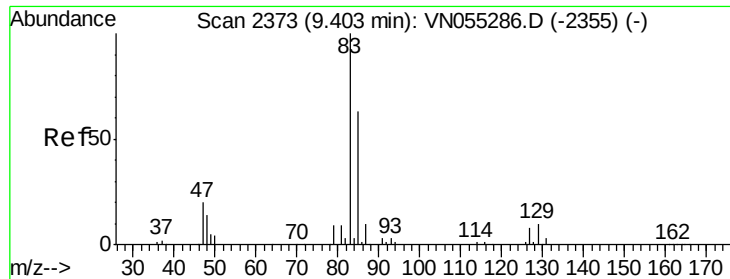
Tot Ion: 63 Resp: 93930
 Ion Ratio Lower Upper
 63 100
 65 28.7 23.9 35.9



#46
 Dibromomethane
 Concen: 20.356 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion: 93 Resp: 53755
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.7 98.5
 174 98.8 81.5 122.3





#47

Bromodichloromethane

Concen: 20.080 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

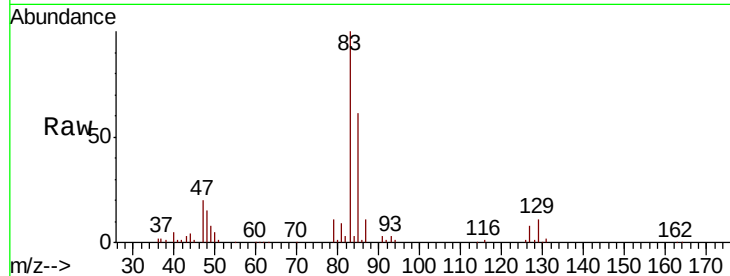
Tot Ion: 83 Resp: 113759

Ion Ratio Lower Upper

83 100

85 61.1 50.1 75.1

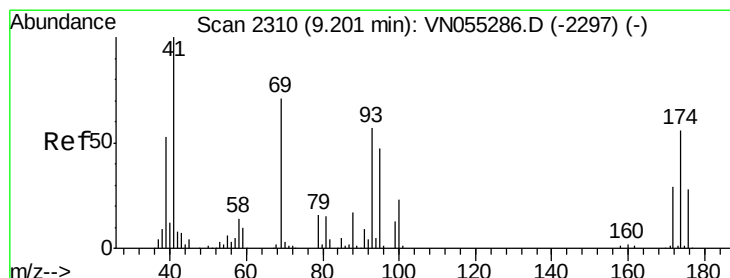
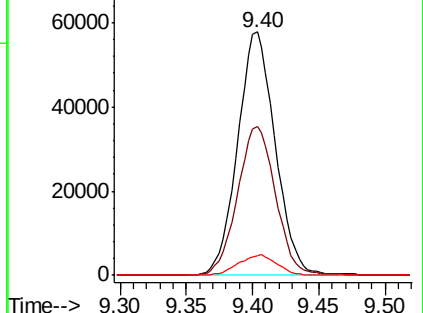
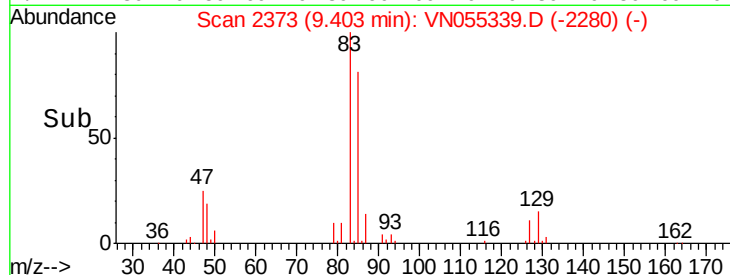
127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055339.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055339.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055339.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.781 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

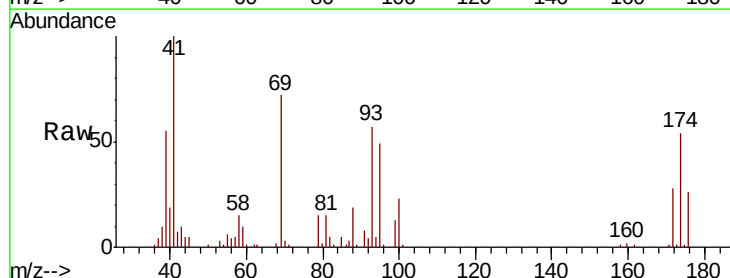
Tgt Ion: 41 Resp: 68057

Ion Ratio Lower Upper

41 100

69 75.0 58.6 87.8

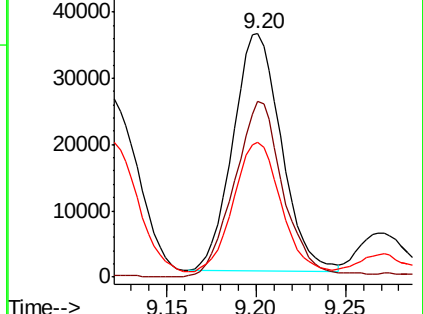
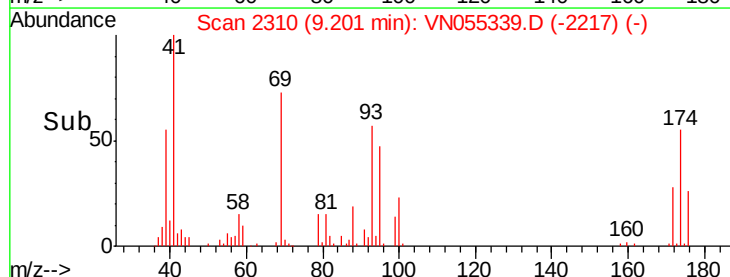
39 57.3 43.8 65.6

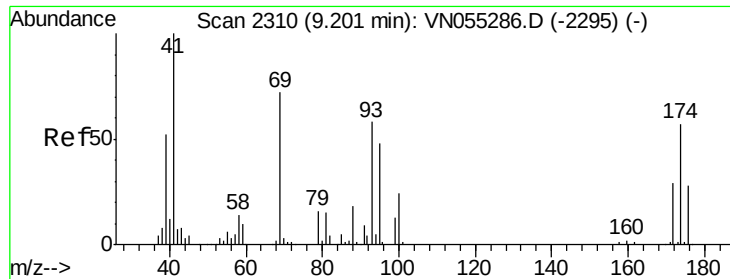


Abundance Ion 41.00 (40.70 to 41.70): VN055339.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055339.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055339.D (-2217) (-)





#49

1,4-Dioxane

Concen: 416.831 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

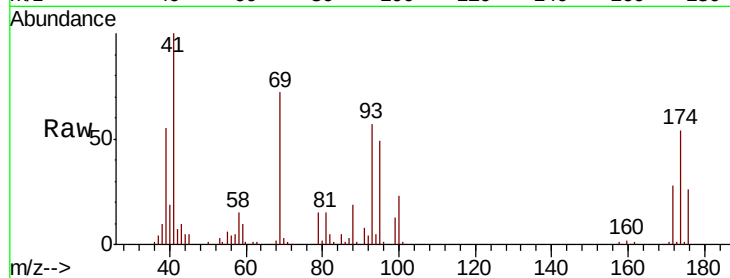
Tot Ion: 88 Resp: 14825

Ion Ratio Lower Upper

88 100

43 41.8 33.3 49.9

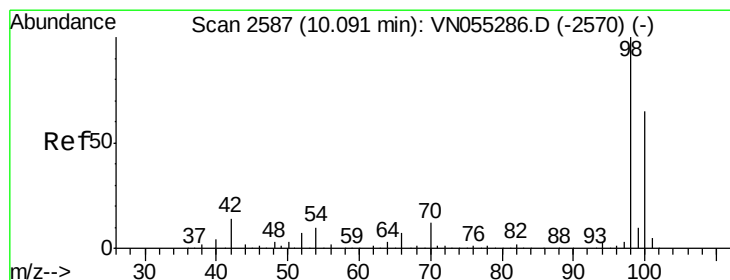
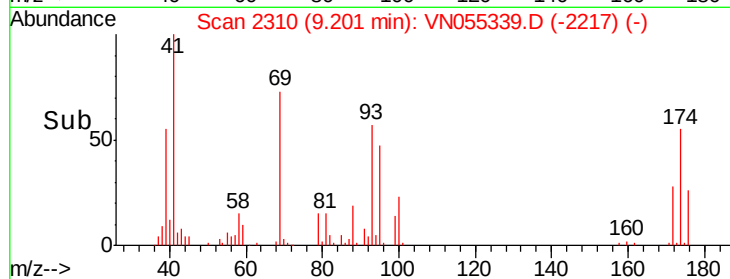
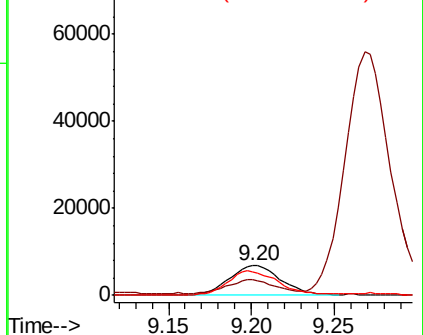
58 83.2 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055339.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055339.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055339.D (-2217) (-)



#50

Toluene-d8

Concen: 50.392 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055339.D

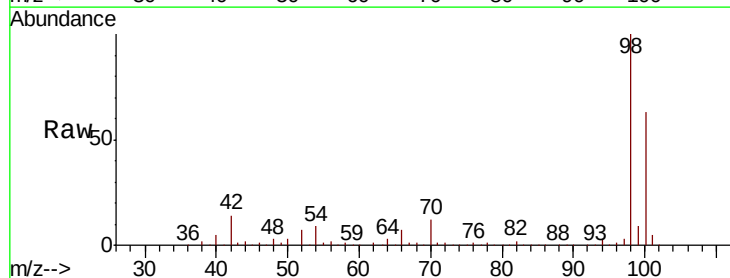
Acq: 2 May 2019 10:21

Tgt Ion: 98 Resp: 708504

Ion Ratio Lower Upper

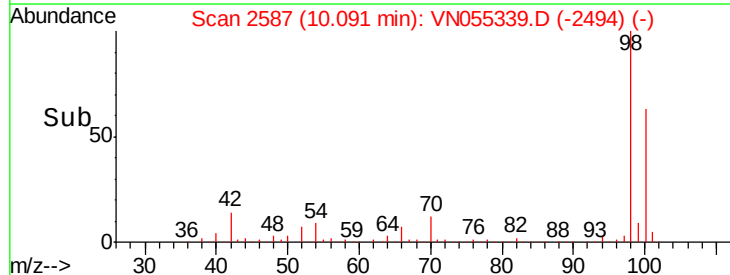
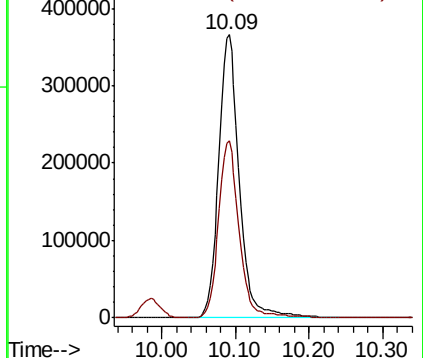
98 100

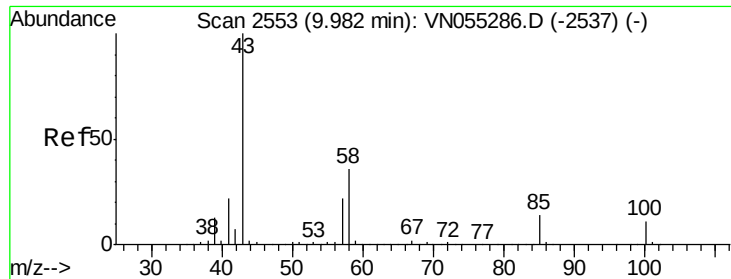
100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055339.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055339.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 106.283 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

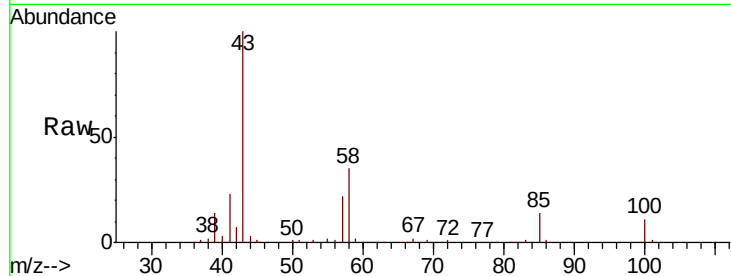
VN0502WBS01

Tot Ion: 43 Resp: 418791

Ion Ratio Lower Upper

43 100

58 34.5 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

250000

200000

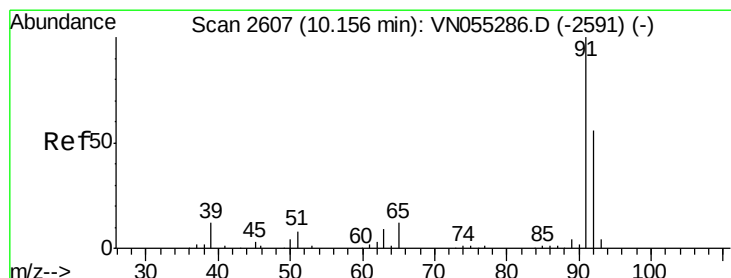
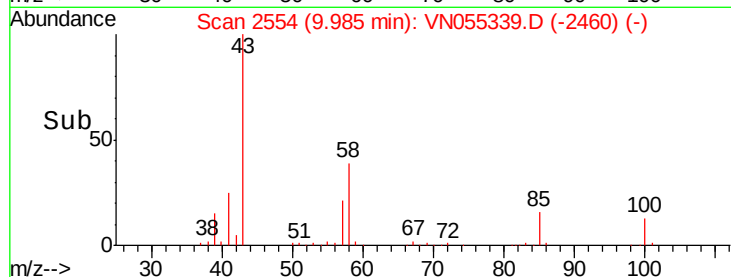
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.328 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055339.D

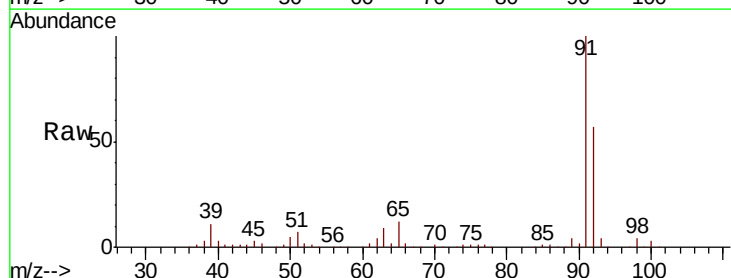
Acq: 2 May 2019 10:21

Tgt Ion: 92 Resp: 195376

Ion Ratio Lower Upper

92 100

91 174.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

200000

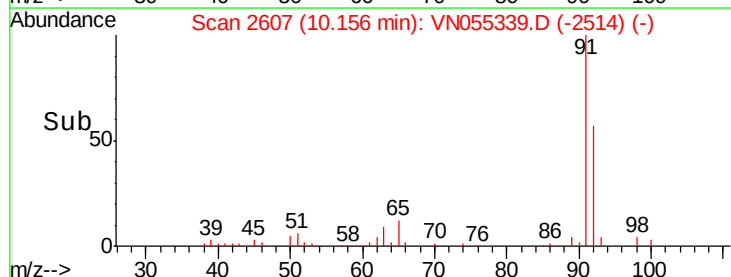
150000

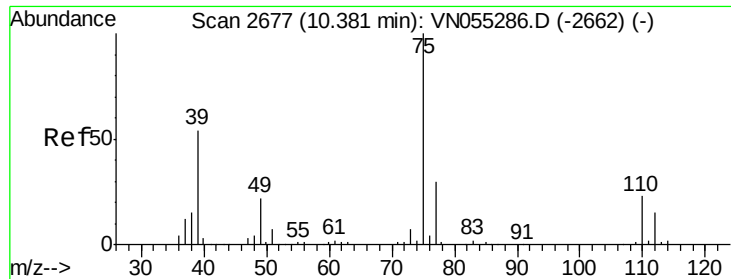
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.438 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

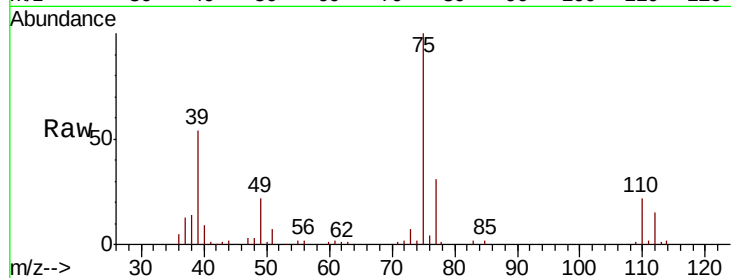
VN0502WBS01

Tot Ion: 75 Resp: 100516

Ion Ratio Lower Upper

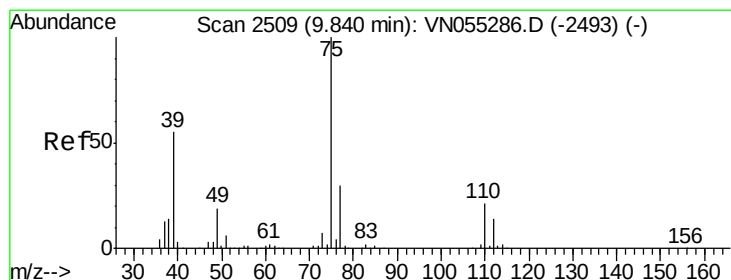
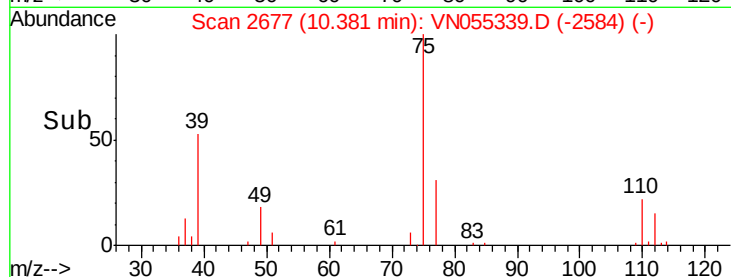
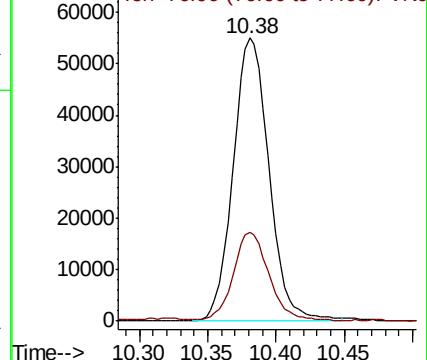
75 100

77 31.0 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.354 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

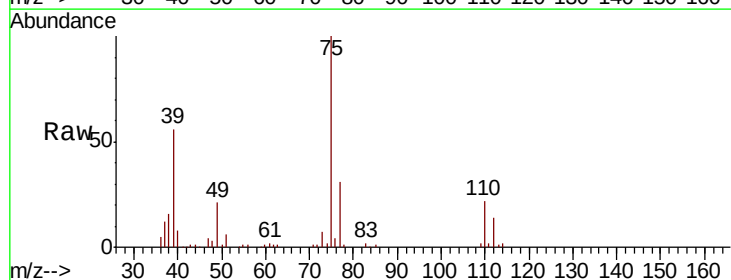
Tgt Ion: 75 Resp: 124803

Ion Ratio Lower Upper

75 100

77 31.3 24.2 36.2

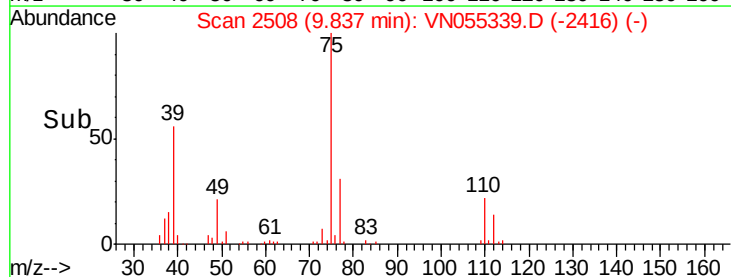
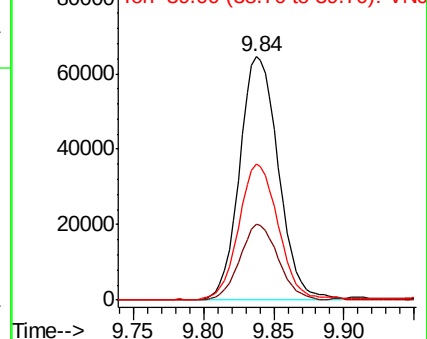
39 55.6 44.2 66.2

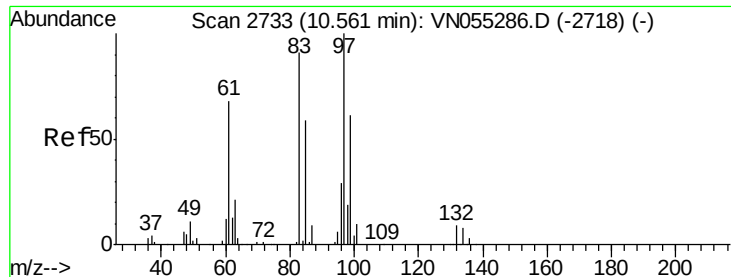


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



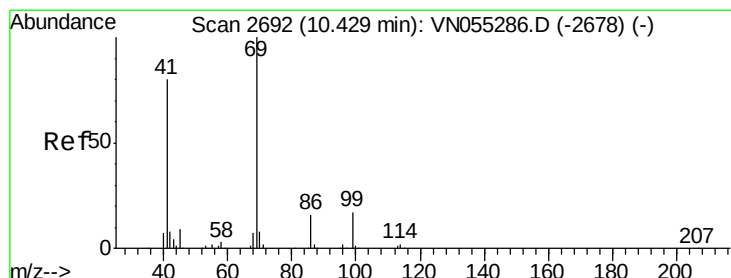
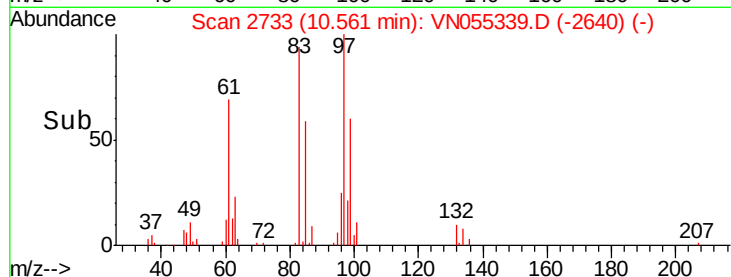
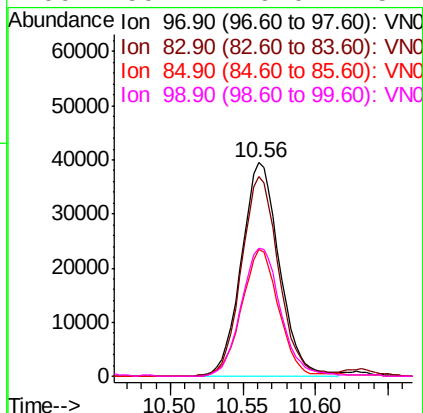
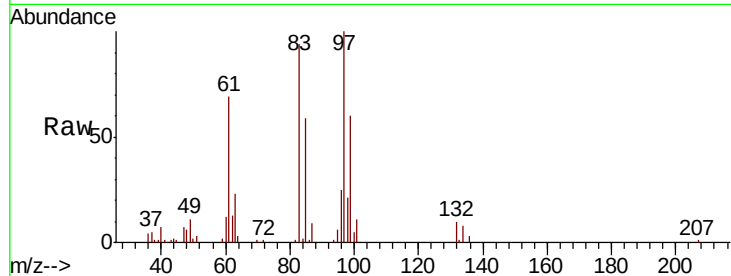


#55
 1,1,2-Trichloroethane
 Concen: 20.226 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Tot Ion: 97 Resp: 72185

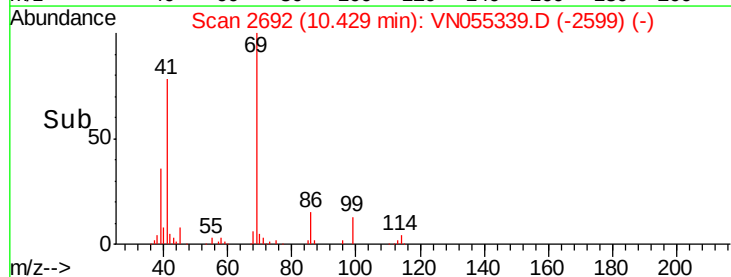
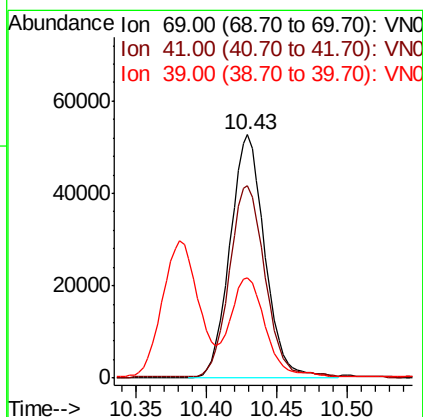
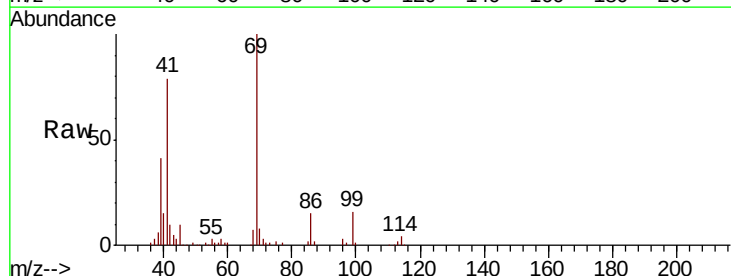
Ion	Ratio	Lower	Upper
97	100		
83	93.6	72.8	109.2
85	59.1	47.0	70.6
99	59.7	49.0	73.4

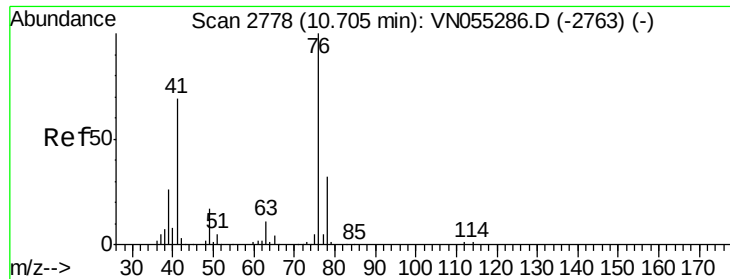


#56
 Ethyl methacrylate
 Concen: 20.808 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion: 69 Resp: 91407

Ion	Ratio	Lower	Upper
69	100		
41	80.3	62.7	94.1
39	41.4	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.294 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

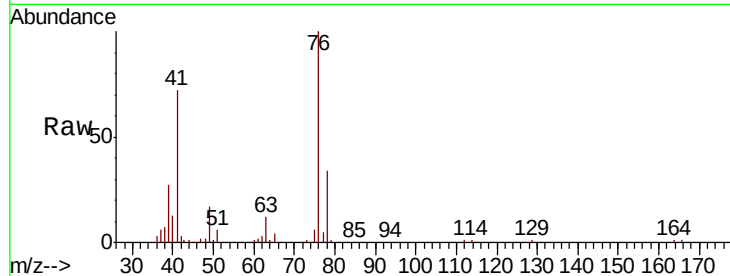
VN0502WBS01

Tot Ion: 76 Resp: 127058

Ion Ratio Lower Upper

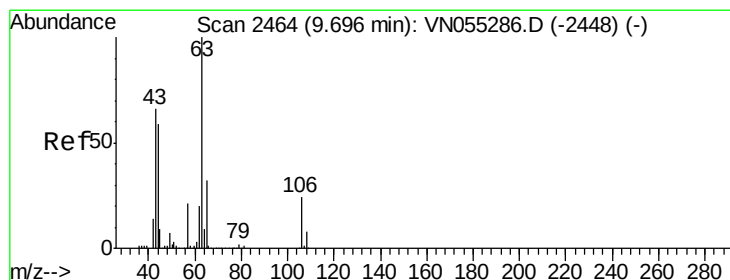
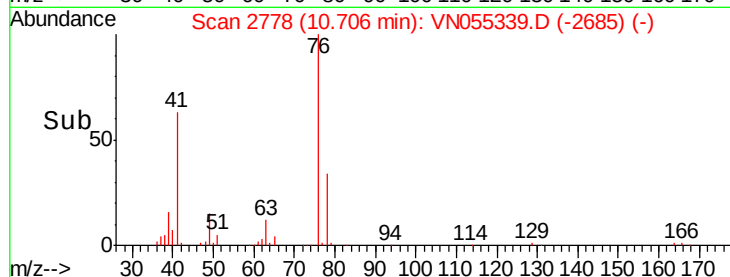
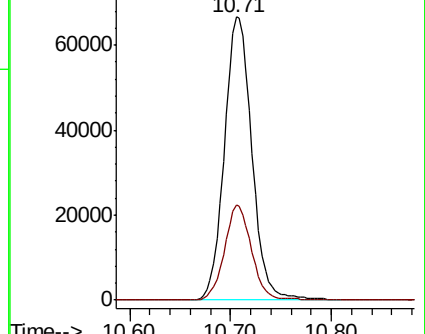
76 100

78 32.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.706 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055339.D

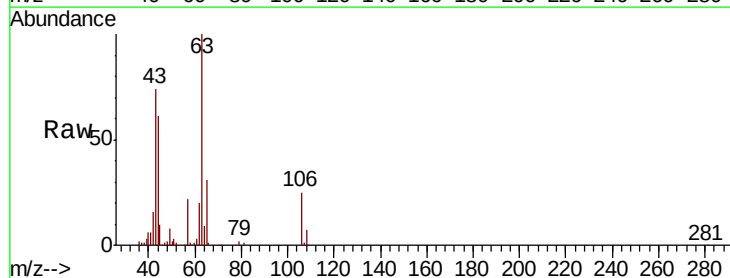
Acq: 2 May 2019 10:21

Tgt Ion: 63 Resp: 109453

Ion Ratio Lower Upper

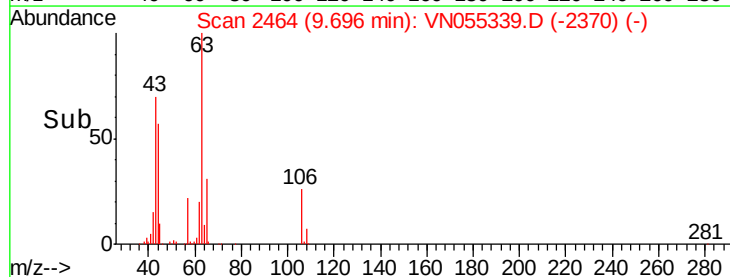
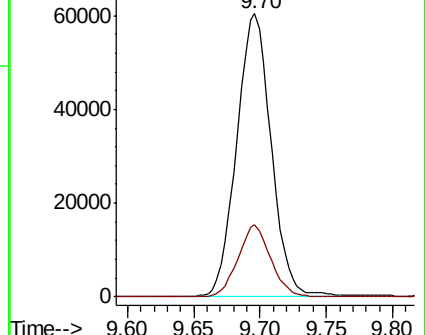
63 100

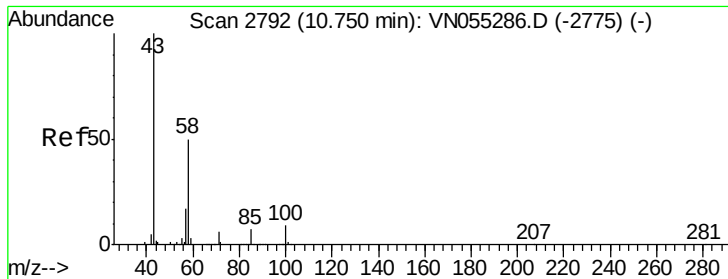
106 24.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

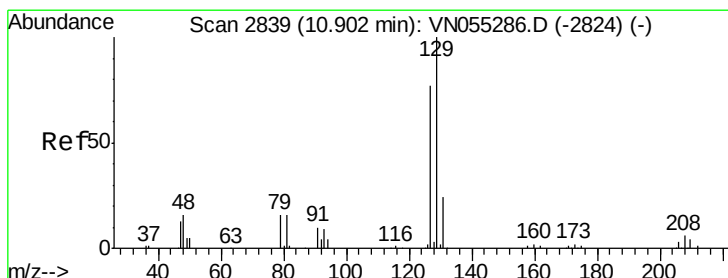
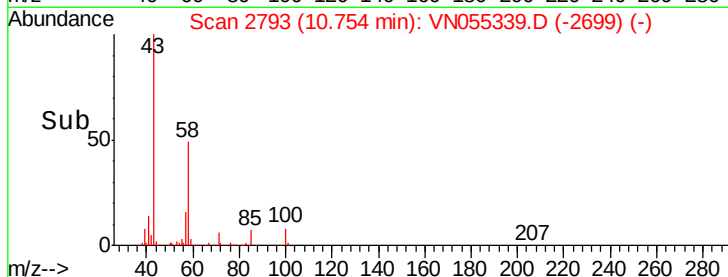
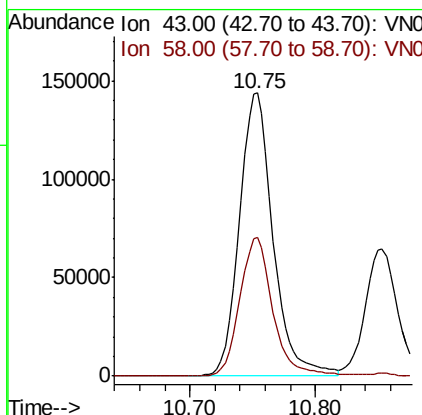
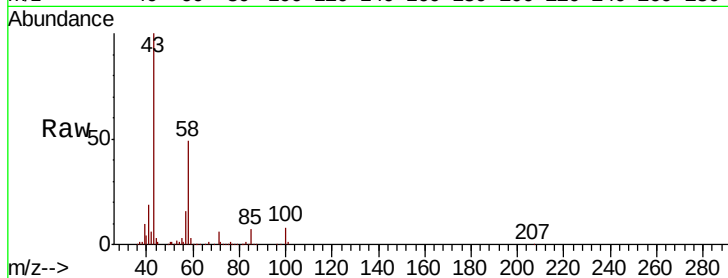




#59
2-Hexanone
Concen: 108.618 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

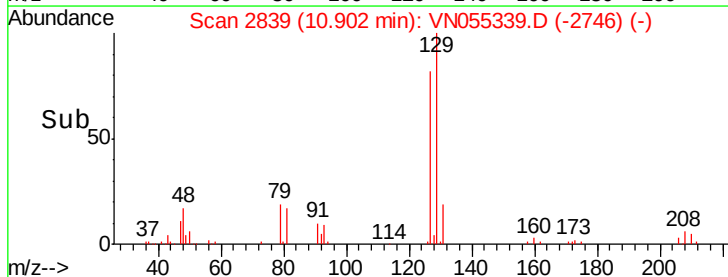
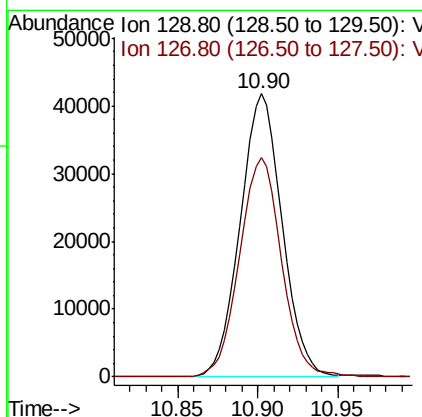
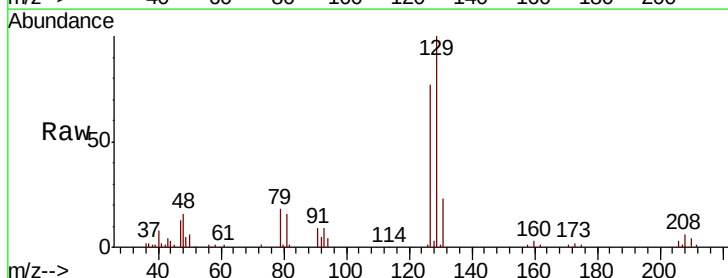
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

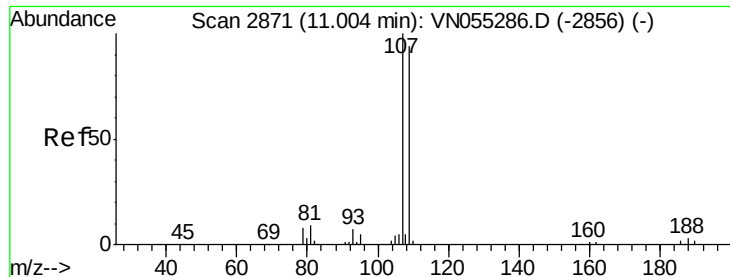
Tot Ion: 43 Resp: 267787
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6



#60
Dibromochloromethane
Concen: 20.469 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 129 Resp: 74664
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.264 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

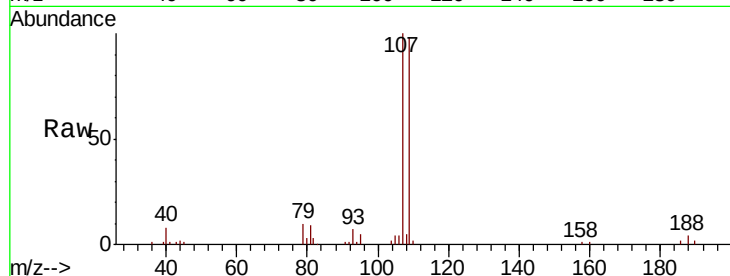
VN0502WBS01

Tot Ion:107 Resp: 66845

Ion Ratio Lower Upper

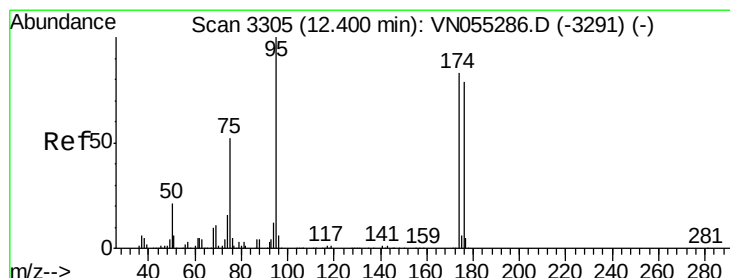
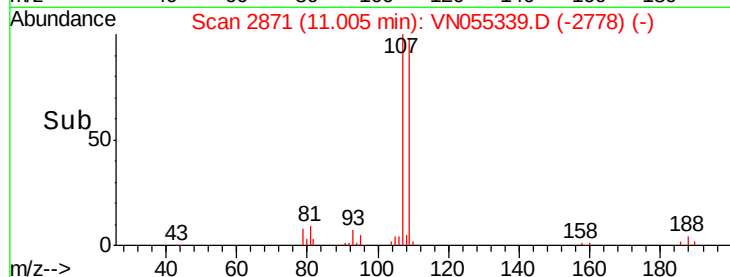
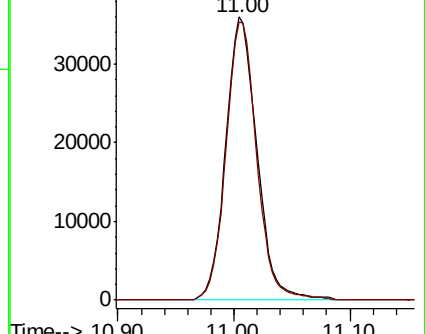
107 100

109 96.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.891 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

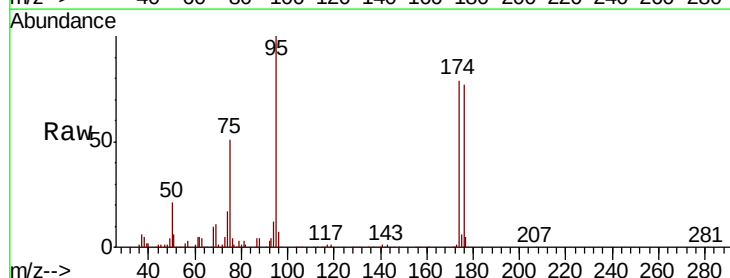
Tgt Ion: 95 Resp: 228021

Ion Ratio Lower Upper

95 100

174 81.5 0.0 166.6

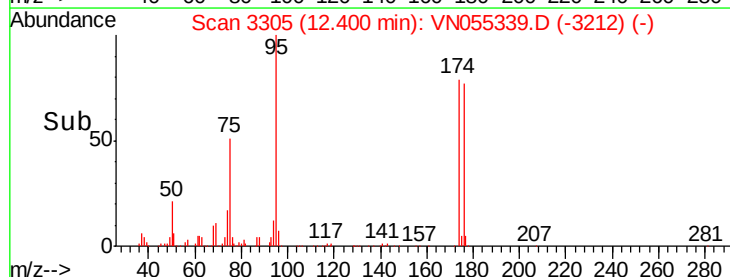
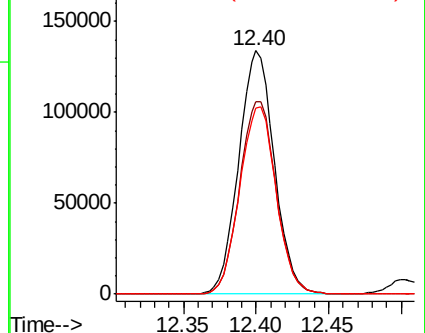
176 79.2 0.0 157.8

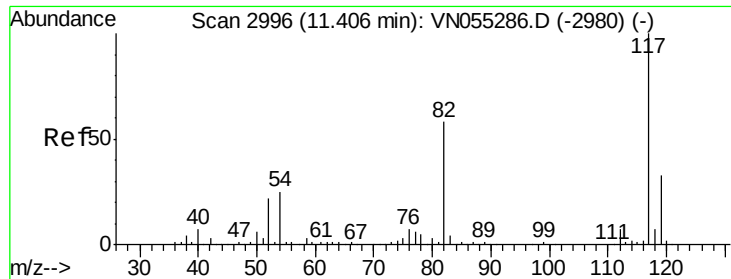


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

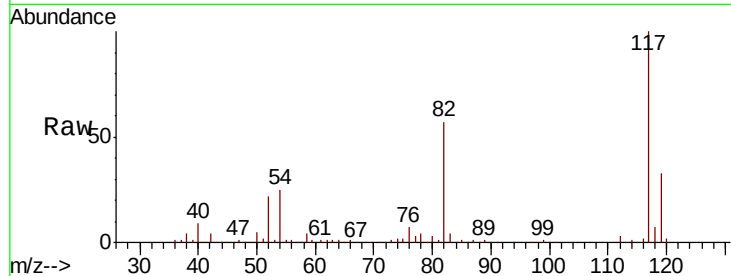




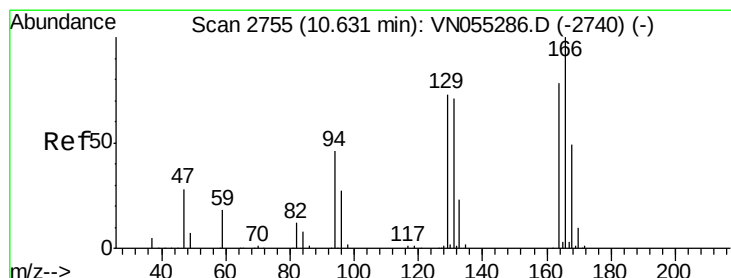
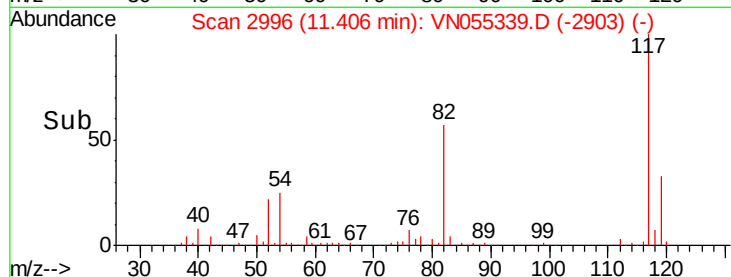
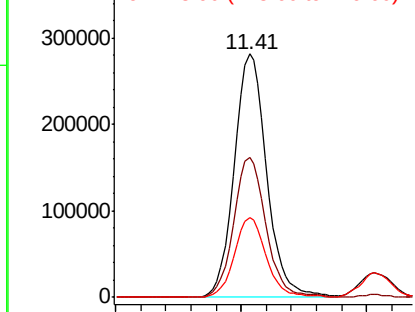
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

Tot Ion:117 Resp: 506177
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.8 26.6 40.0

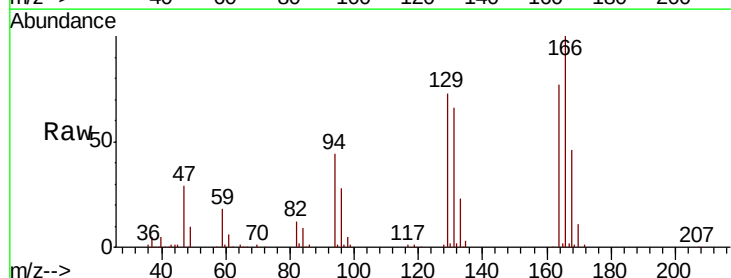


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

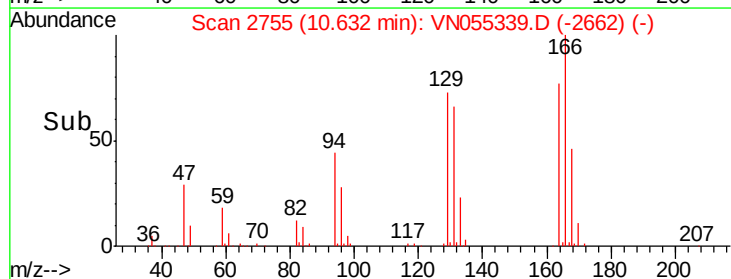
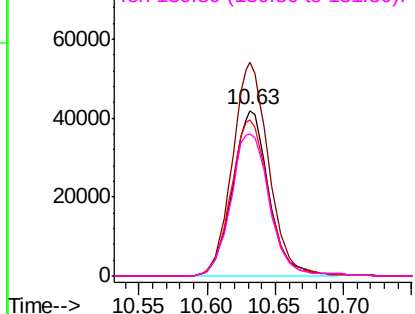


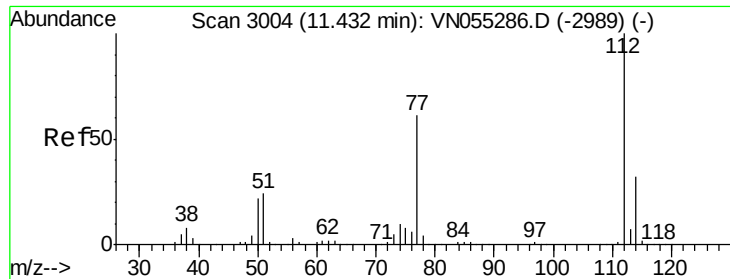
#64
Tetrachloroethene
Concen: 18.670 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion:164 Resp: 77284
Ion Ratio Lower Upper
164 100
166 129.1 102.3 153.5
129 94.5 75.0 112.6
131 85.7 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

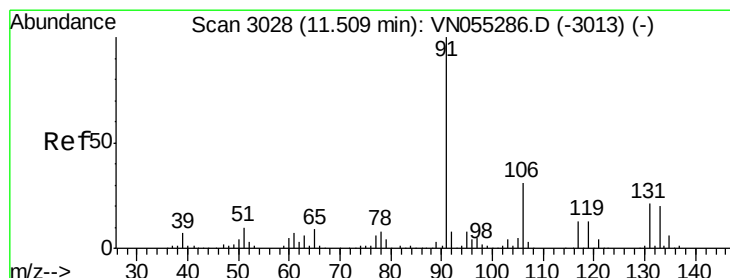
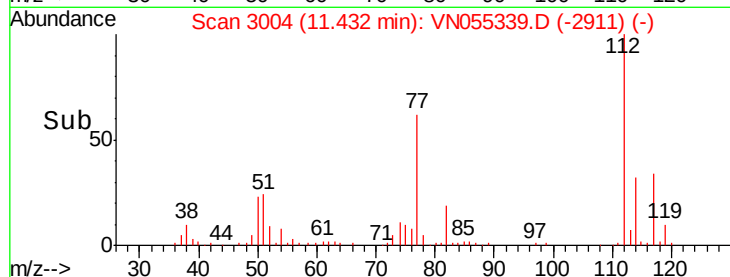
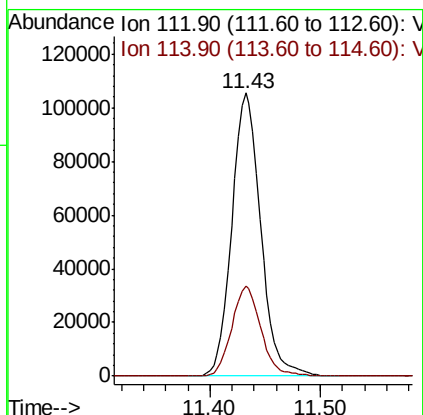
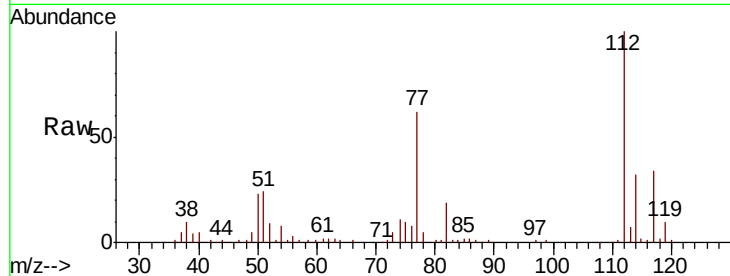




#65
Chlorobenzene
Concen: 19.361 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

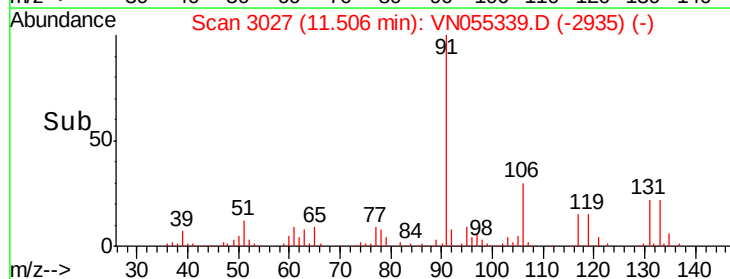
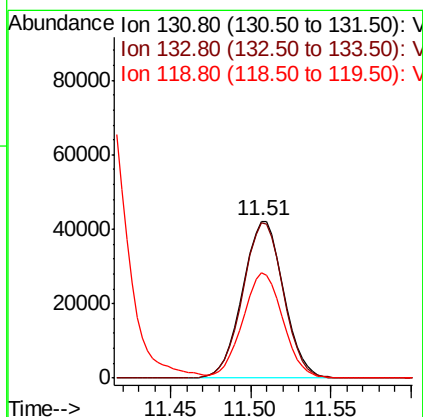
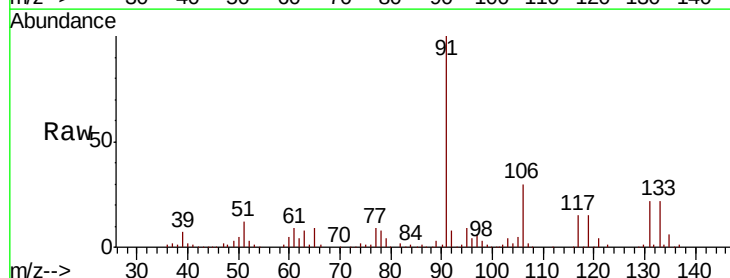
Instrument :
MSVOA_N
ClientSampled :
VN0502WBS01

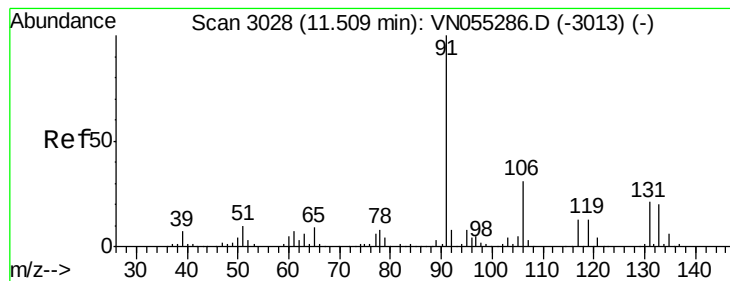
Tot Ion:112 Resp: 191603
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.106 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion:131 Resp: 74037
Ion Ratio Lower Upper
131 100
133 97.9 47.5 142.6
119 65.7 32.7 98.1





#67

Ethyl Benzene

Concen: 19.924 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

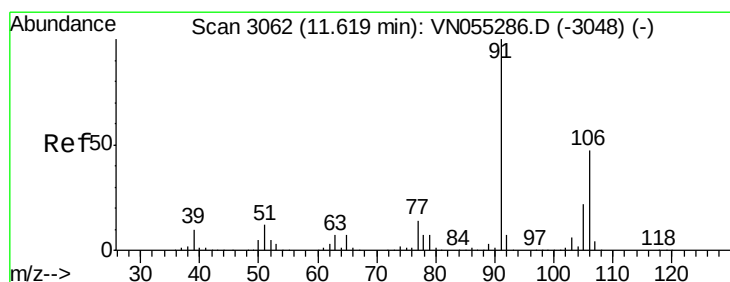
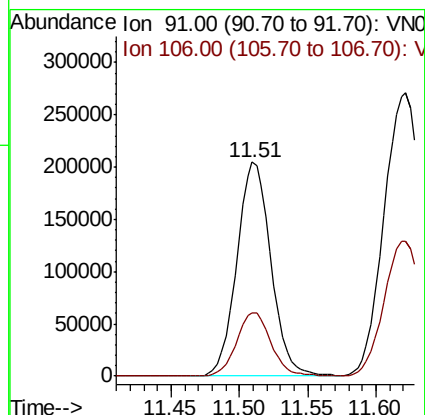
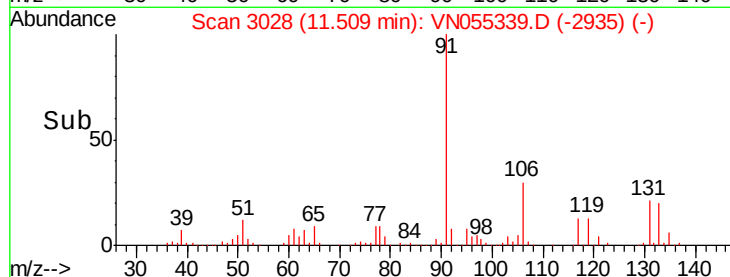
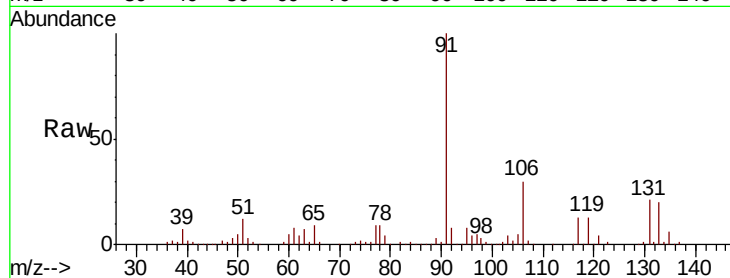
VN0502WBS01

Tot Ion: 91 Resp: 356061

Ion Ratio Lower Upper

91 100

106 29.9 24.6 36.8



#68

m/p-Xylenes

Concen: 40.140 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055339.D

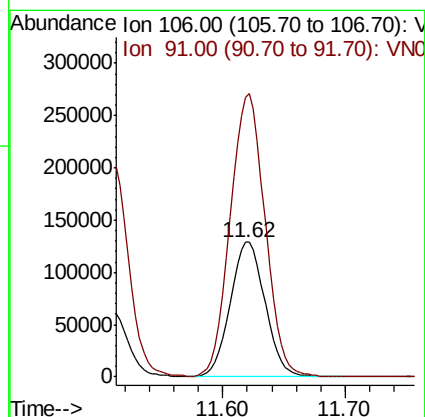
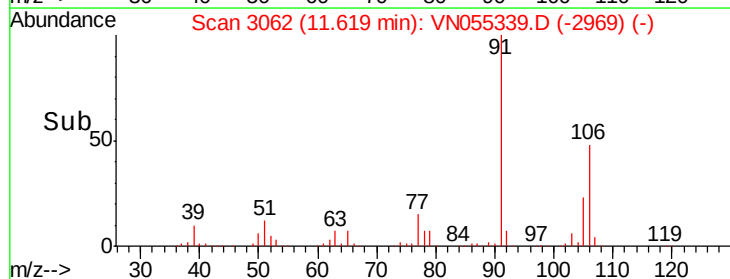
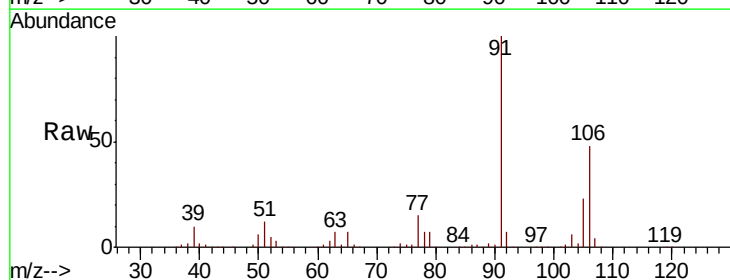
Acq: 2 May 2019 10:21

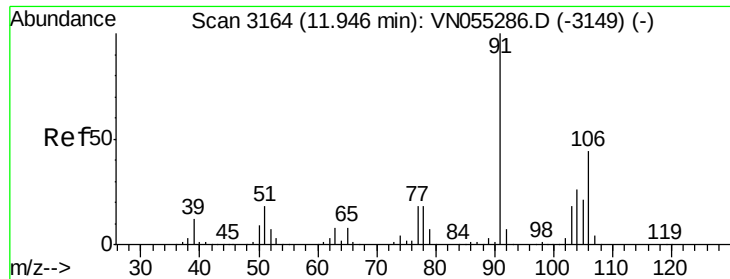
Tgt Ion: 106 Resp: 256050

Ion Ratio Lower Upper

106 100

91 209.8 169.5 254.3

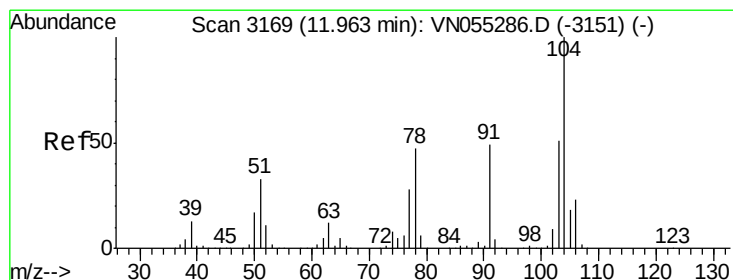
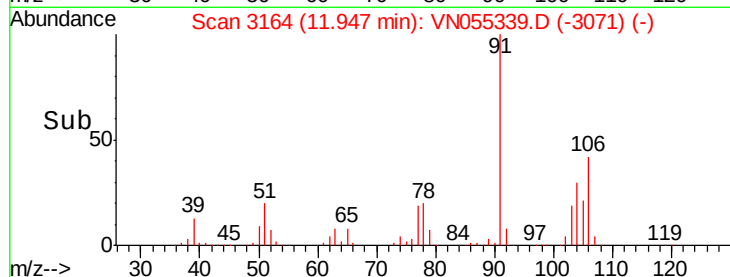
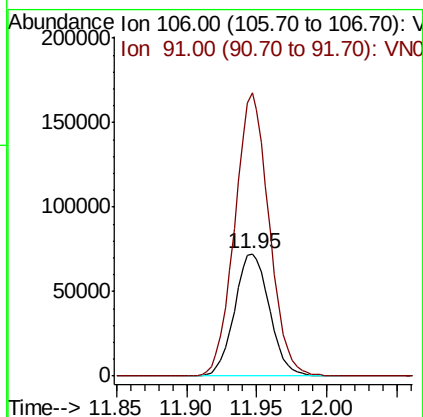
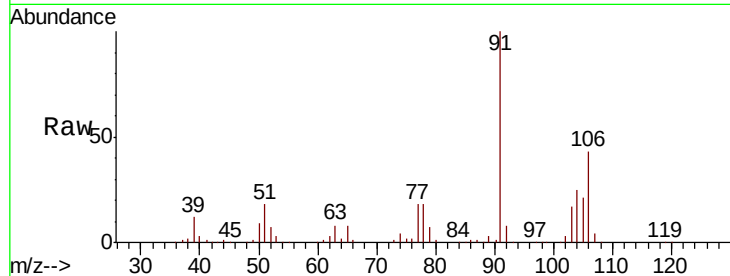




#69
o-Xylene
Concen: 19.865 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

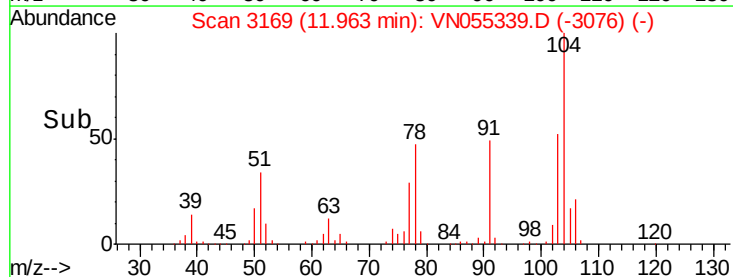
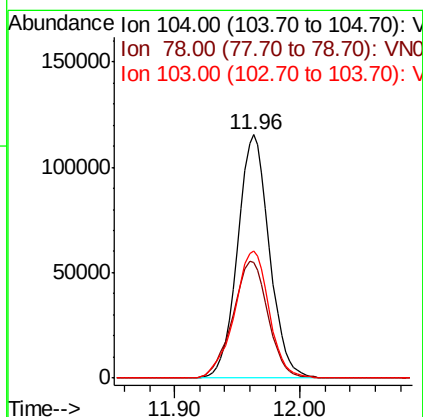
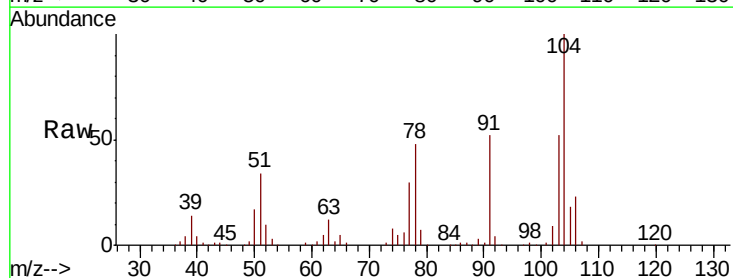
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

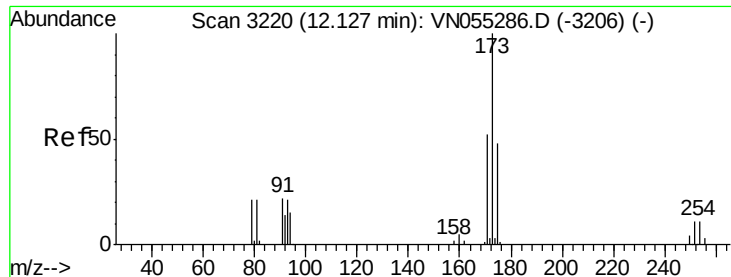
Tot Ion:106 Resp: 125600
Ion Ratio Lower Upper
106 100
91 227.7 111.5 334.5



#70
Styrene
Concen: 20.960 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion:104 Resp: 203476
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 57.0 44.6 67.0





#71

Bromoform

Concen: 21.161 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

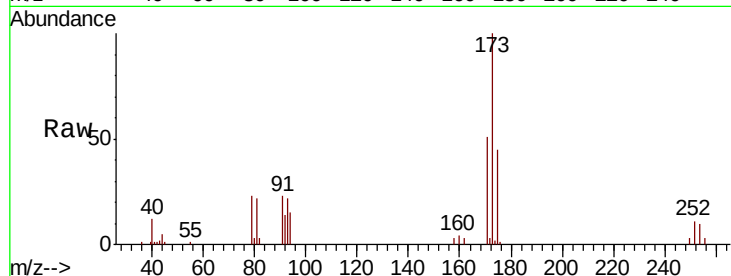
Tot Ion:173 Resp: 45501

Ion Ratio Lower Upper

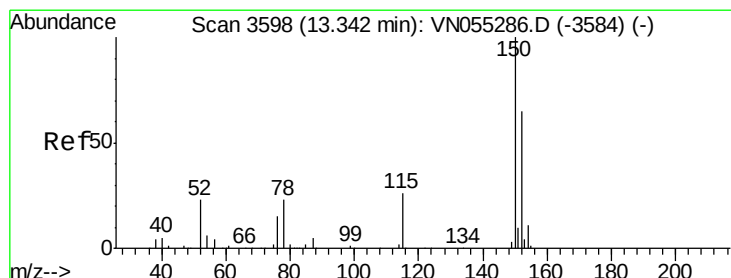
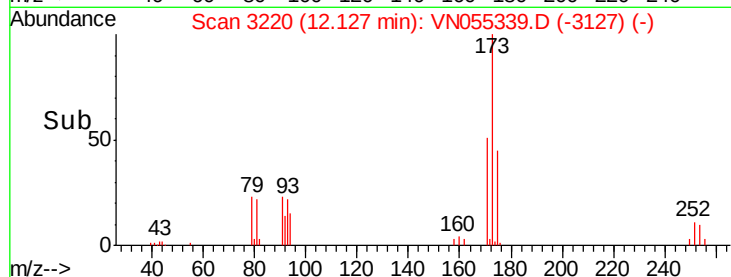
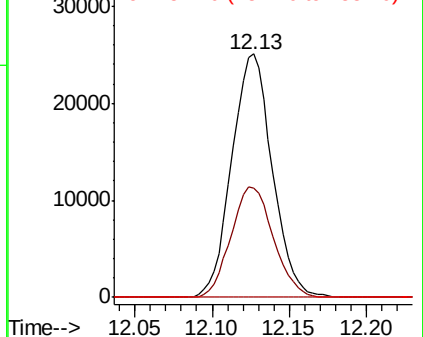
173 100

175 47.4 23.6 71.0

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: VN055339.D

Acq: 2 May 2019 10:21

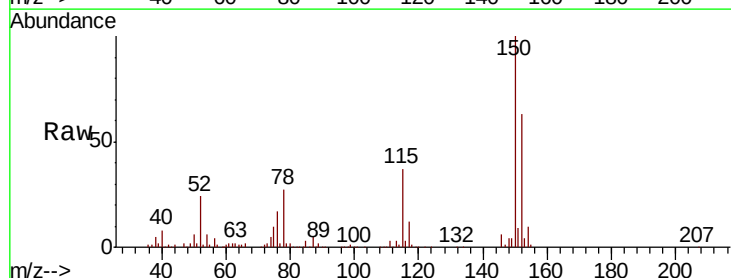
Tgt Ion:152 Resp: 186783

Ion Ratio Lower Upper

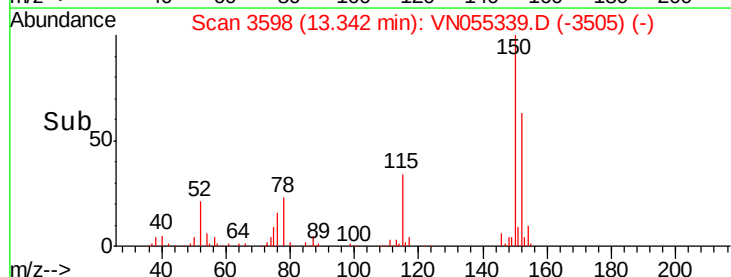
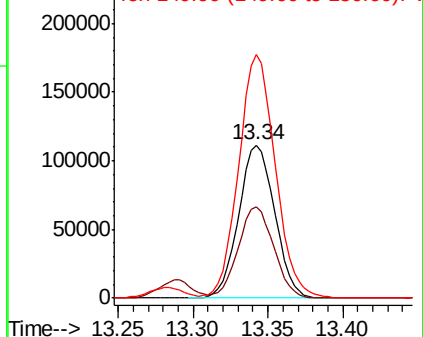
152 100

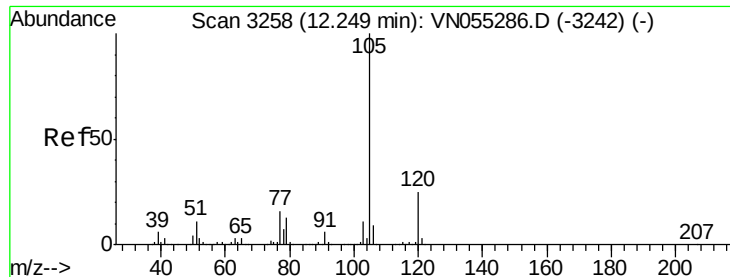
115 58.6 29.0 87.0

150 162.1 0.0 345.6



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: 21.467 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

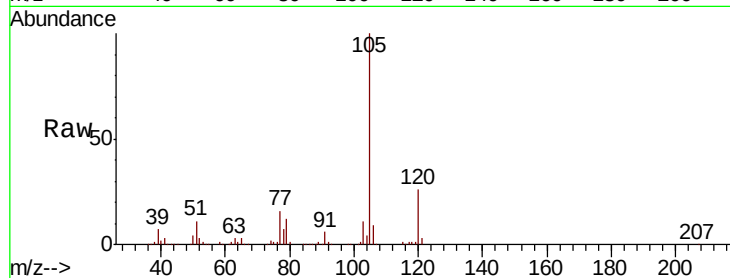
VN0502WBS01

Tot Ion:105 Resp: 345865

Ion Ratio Lower Upper

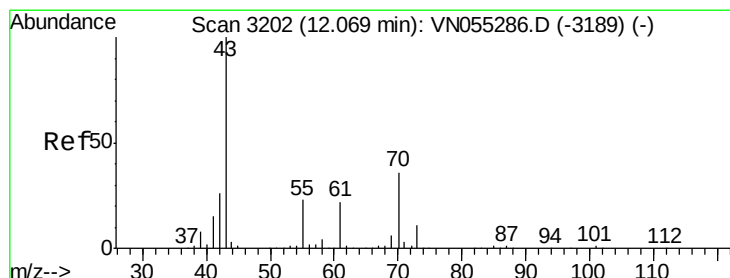
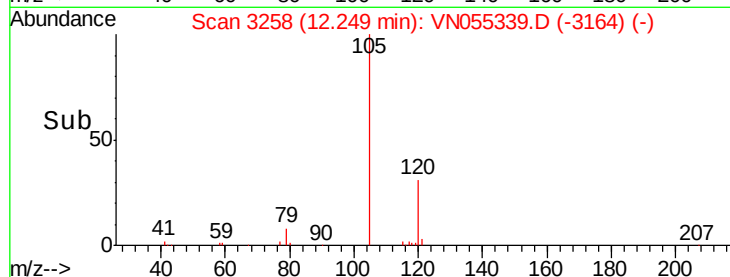
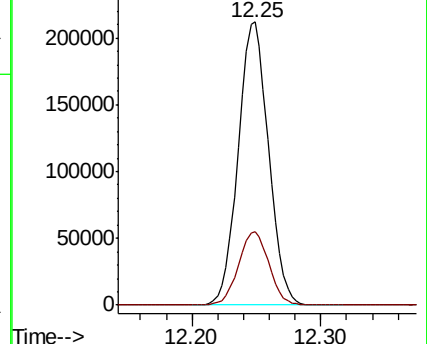
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.379 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Tgt Ion: 43 Resp: 97686

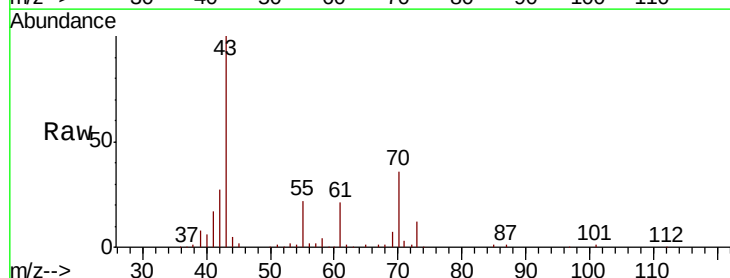
Ion Ratio Lower Upper

43 100

70 34.8 27.9 41.9

55 23.2 18.2 27.2

61 20.6 16.9 25.3

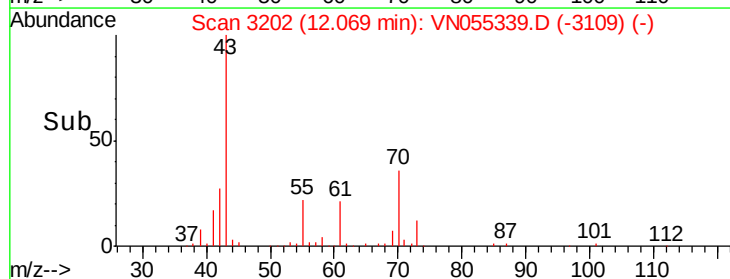
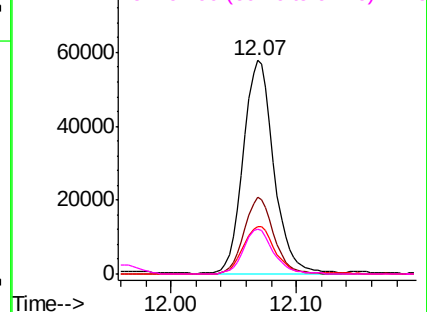


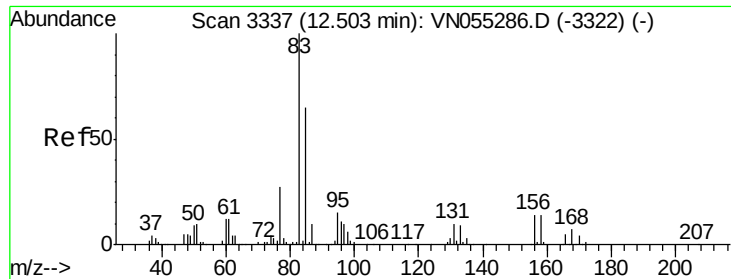
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.834 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

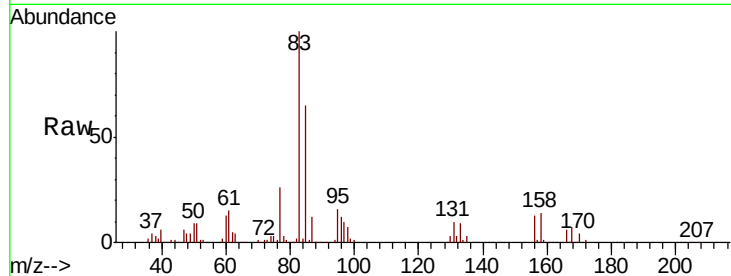
Tot Ion: 83 Resp: 87434

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

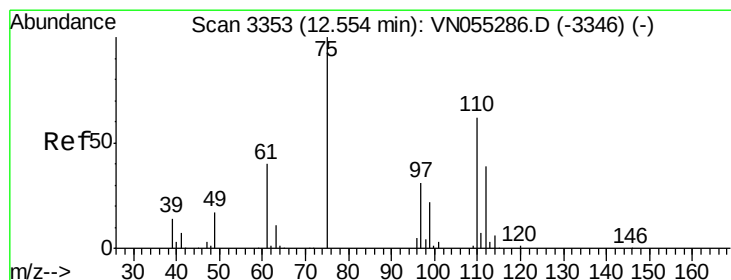
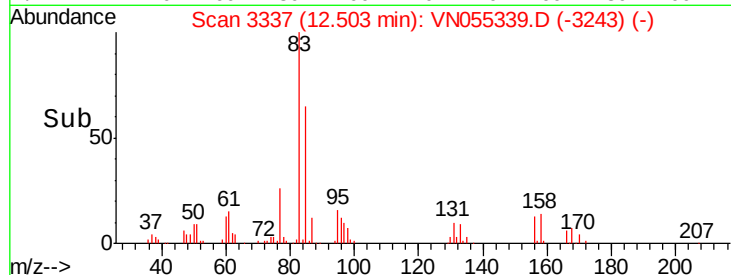
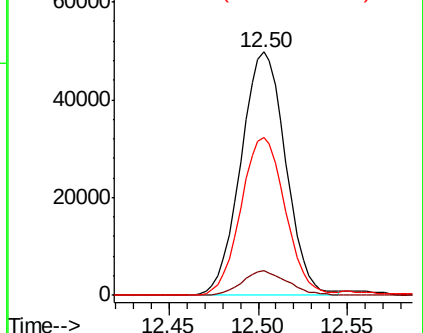
85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055339.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055339.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055339.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.667 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055339.D

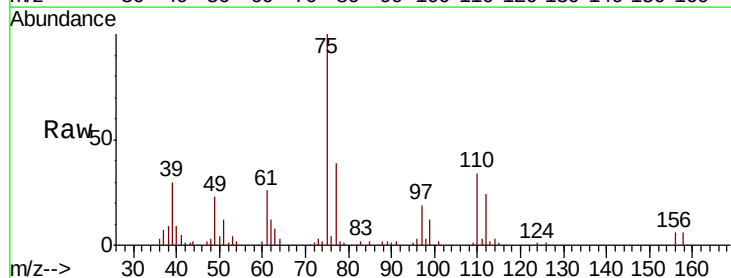
Acq: 2 May 2019 10:21

Tgt Ion: 75 Resp: 103258

Ion Ratio Lower Upper

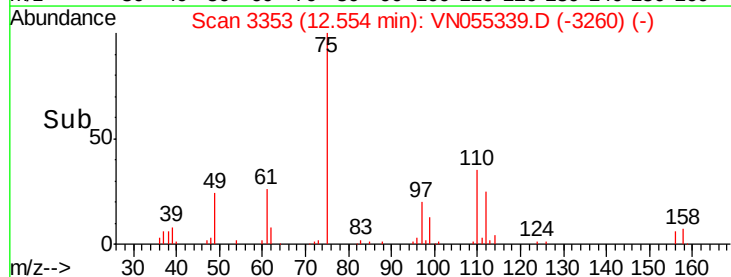
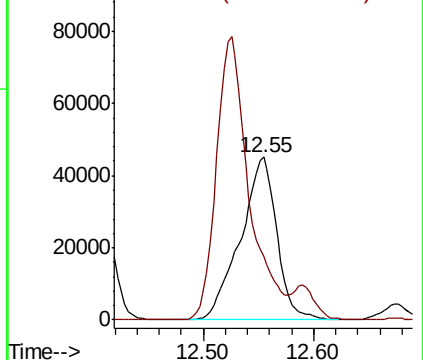
75 100

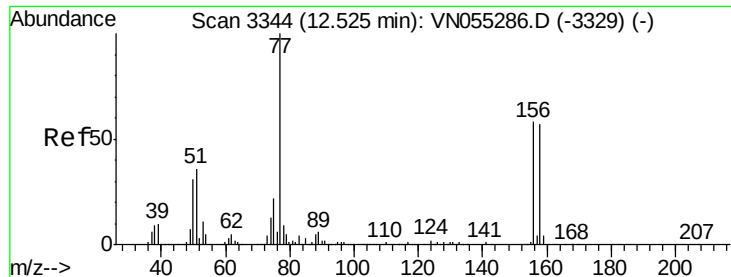
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055339.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055339.D (-3260) (-)





#77

Bromobenzene

Concen: 21.250 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

VN0502WBS01

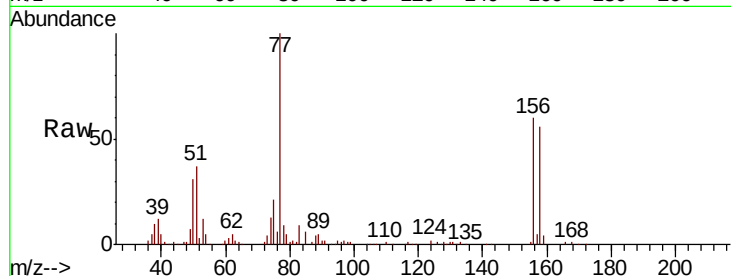
Tot Ion:156 Resp: 80236

Ion Ratio Lower Upper

156 100

77 200.4 99.6 298.8

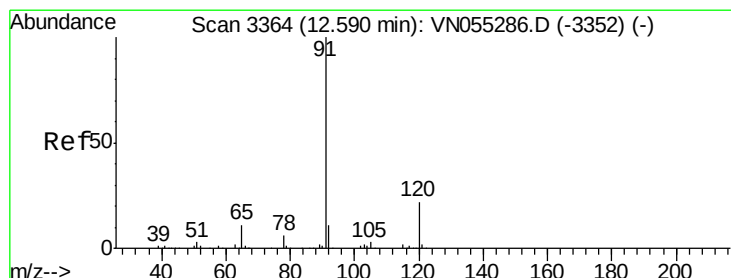
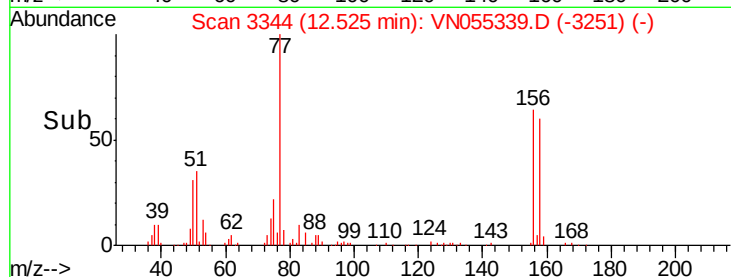
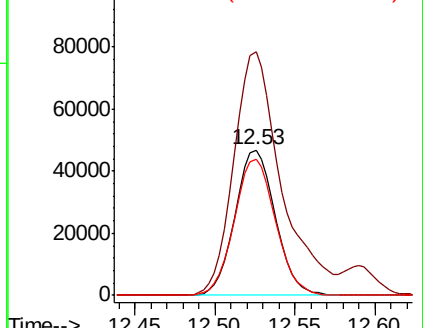
158 96.1 49.3 147.8



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: 19.016 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055339.D

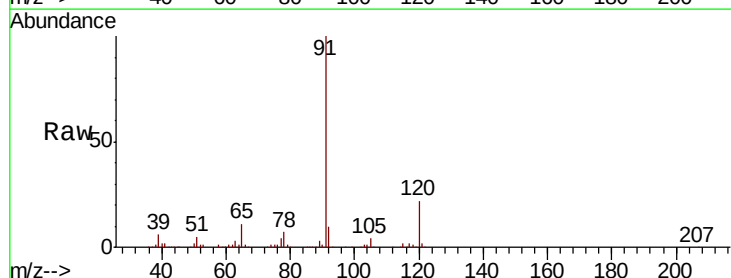
Acq: 2 May 2019 10:21

Tgt Ion: 91 Resp: 364854

Ion Ratio Lower Upper

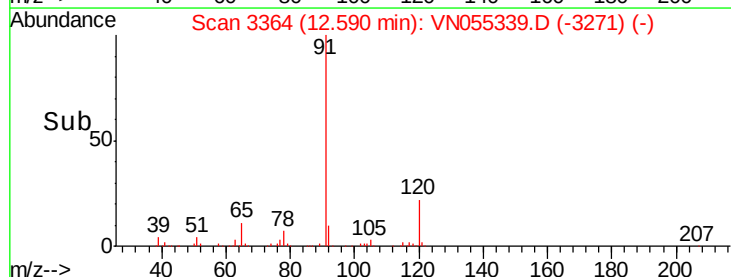
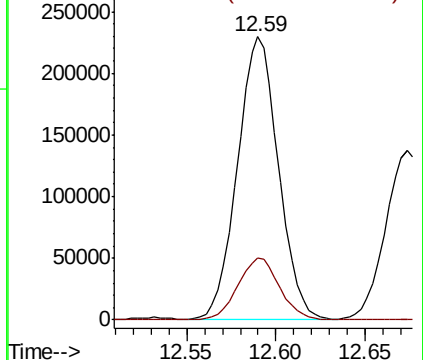
91 100

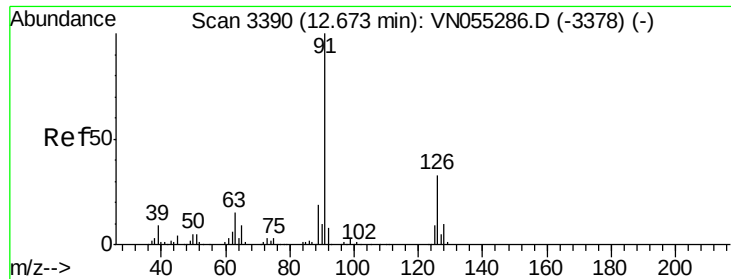
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.219 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

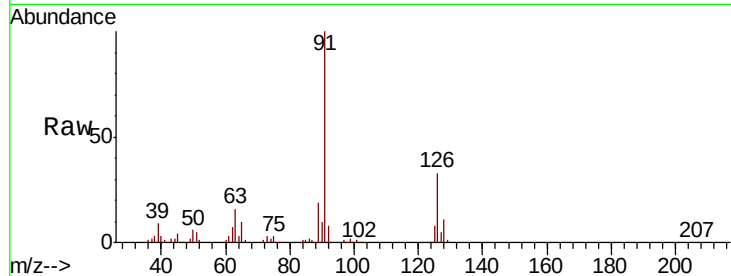
VN0502WBS01

Tot Ion: 91 Resp: 230309

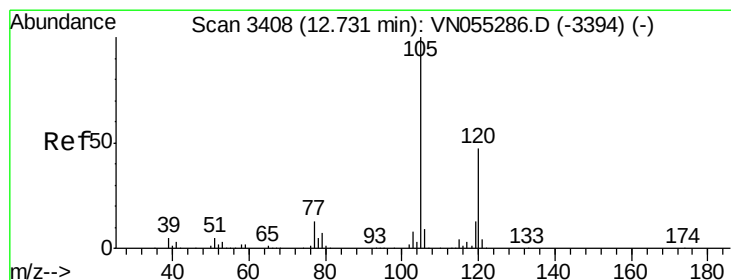
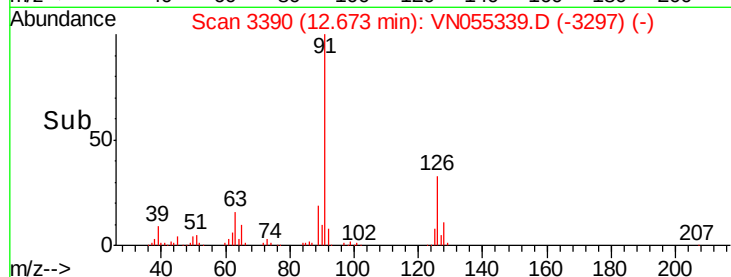
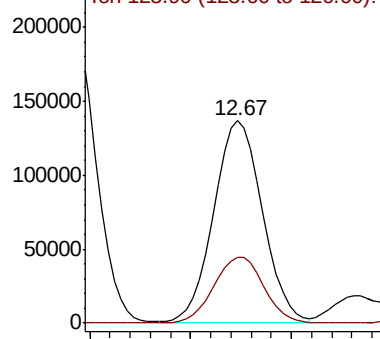
Ion Ratio Lower Upper

91 100

126 33.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.218 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055339.D

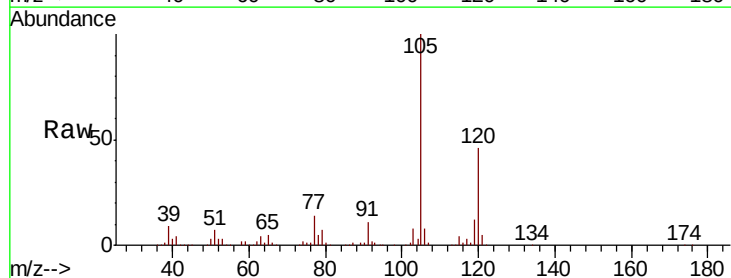
Acq: 2 May 2019 10:21

Tgt Ion:105 Resp: 281417

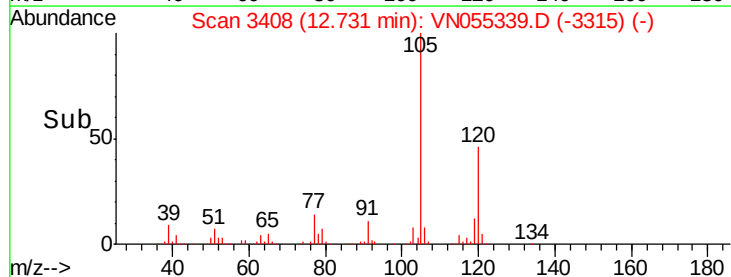
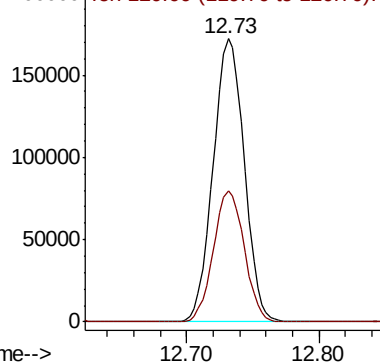
Ion Ratio Lower Upper

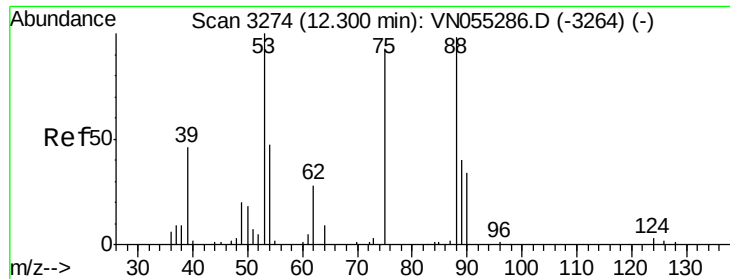
105 100

120 46.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.562 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBS01

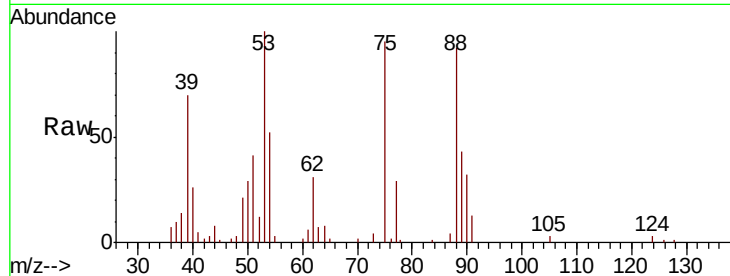
Tot Ion: 75 Resp: 20266

Ion Ratio Lower Upper

75 100

53 109.5 86.3 129.5

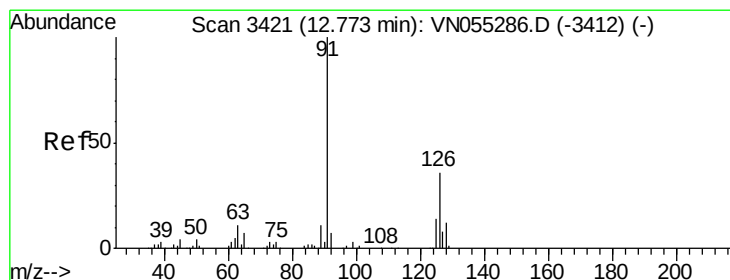
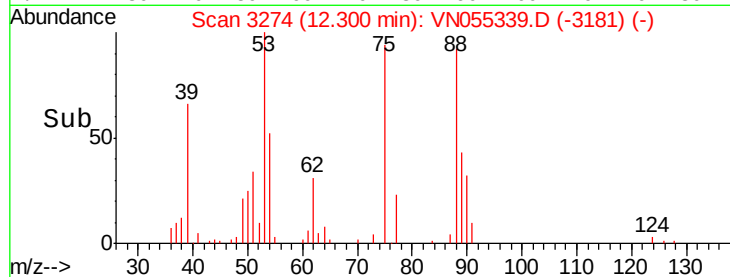
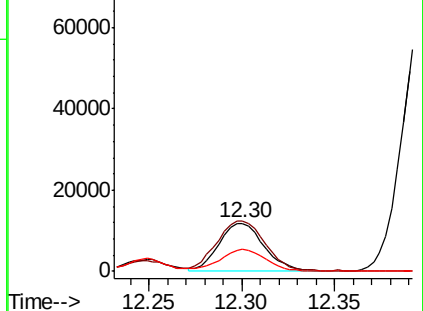
89 45.0 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055286.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055286.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.447 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055339.D

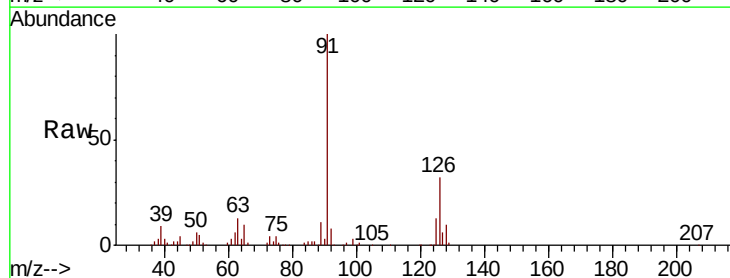
Acq: 2 May 2019 10:21

Tgt Ion: 91 Resp: 216942

Ion Ratio Lower Upper

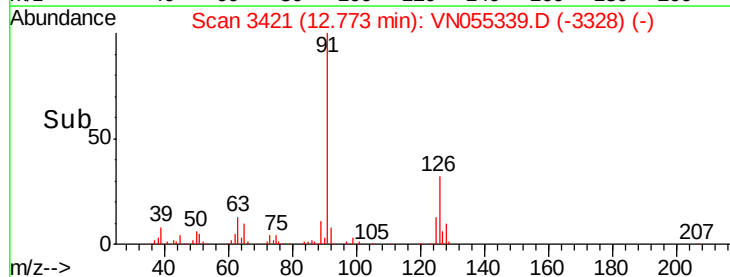
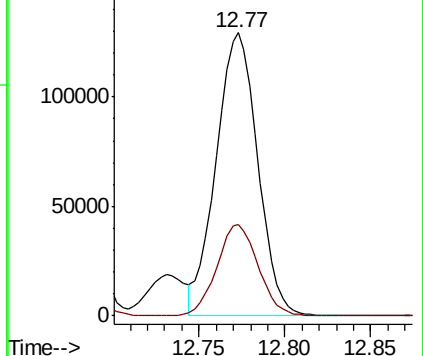
91 100

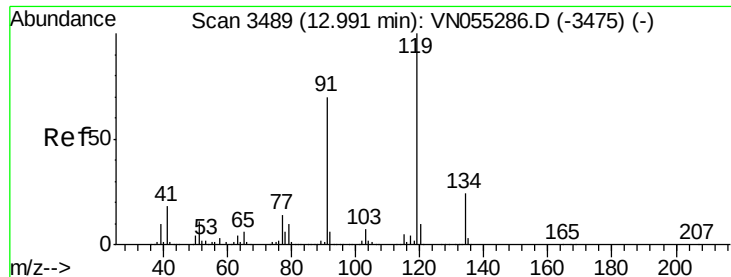
126 32.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3412) (-)

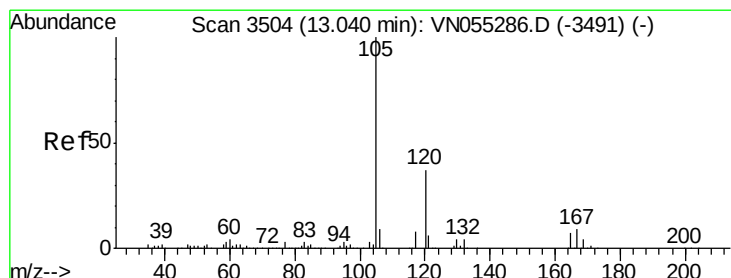
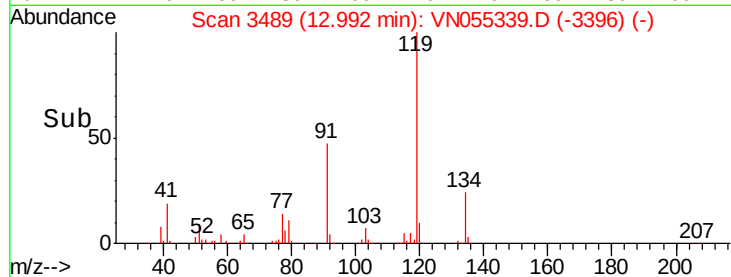
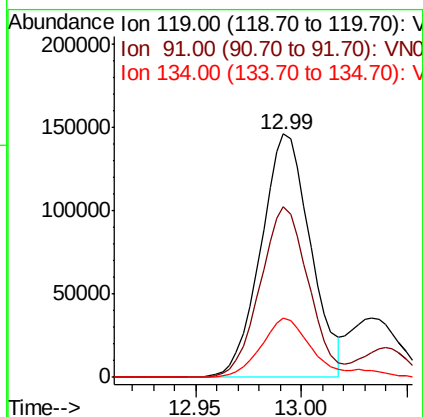
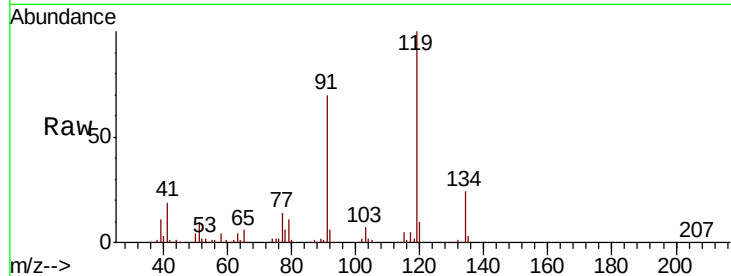




#83
tert-Butylbenzene
Concen: 21.374 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

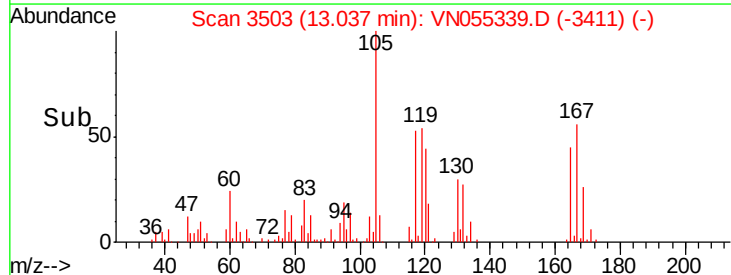
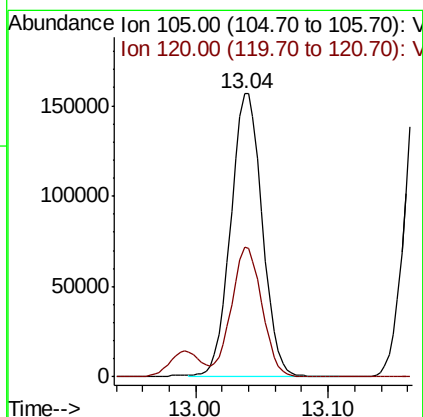
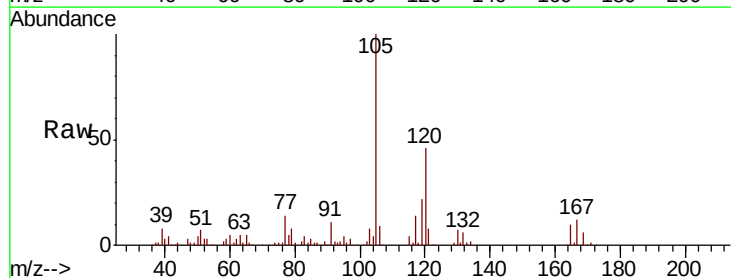
Instrument :
MSVOA_N
ClientSampleId :
VN0502WBS01

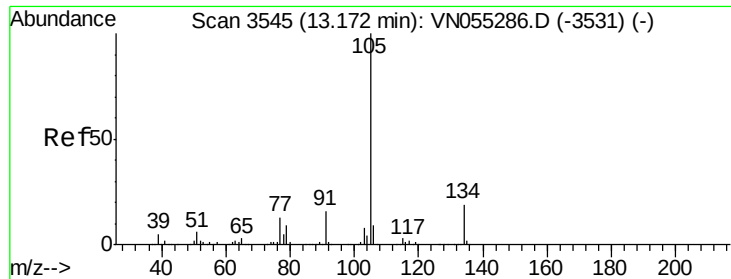
Tot Ion:119 Resp: 238805
Ion Ratio Lower Upper
119 100
91 68.4 34.3 102.9
134 24.0 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 19.747 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion:105 Resp: 258613
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.432 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampleId :

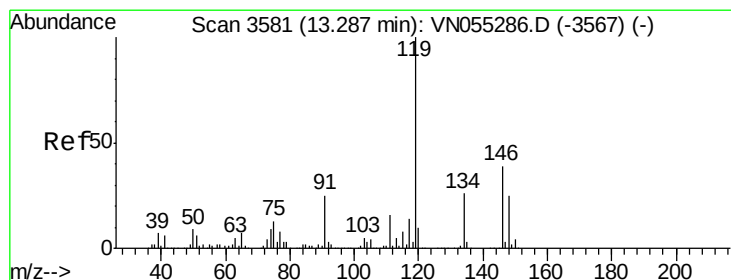
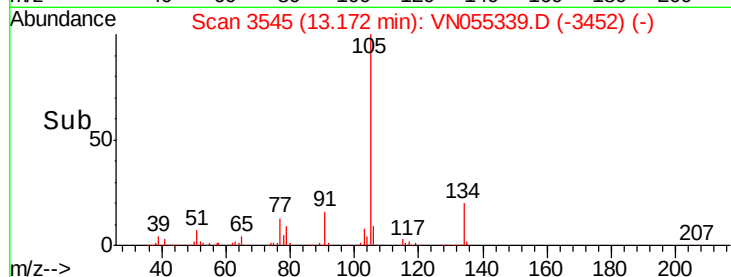
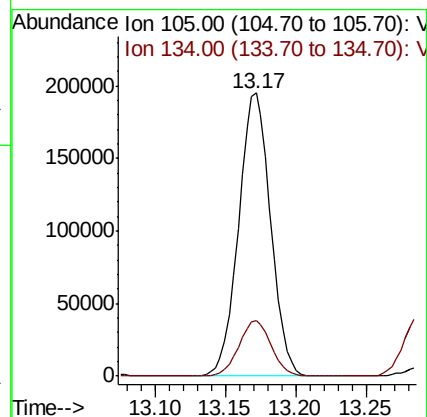
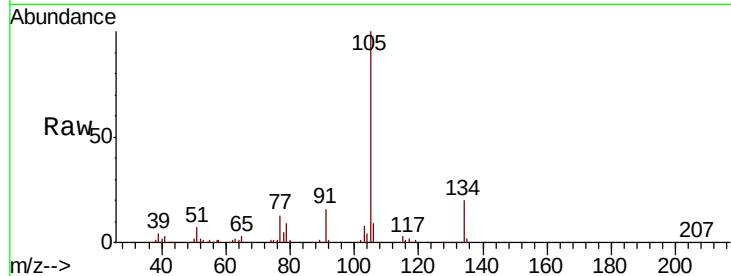
VN0502WBS01

Tot Ion:105 Resp: 309282

Ion Ratio Lower Upper

105 100

134 19.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.552 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

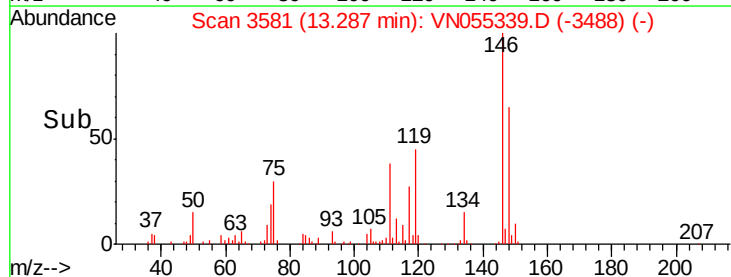
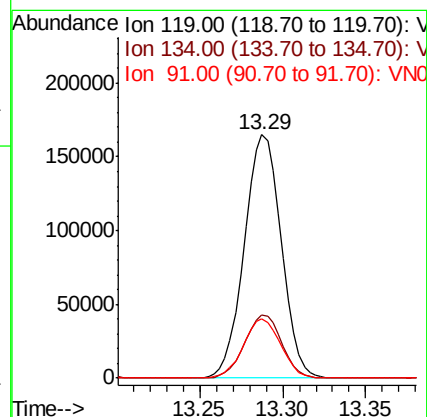
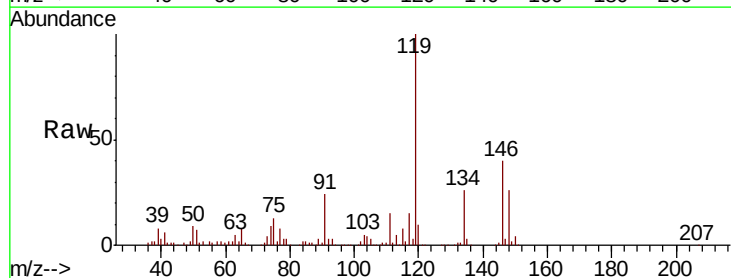
Tgt Ion:119 Resp: 255771

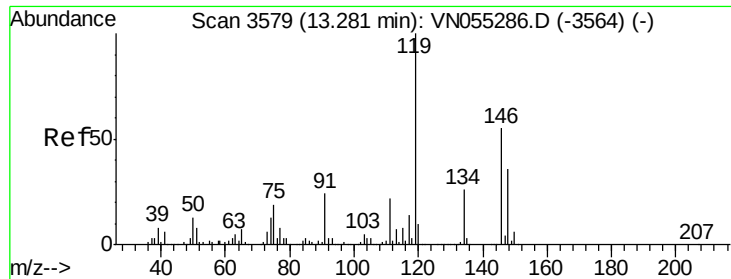
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 24.8 12.2 36.6

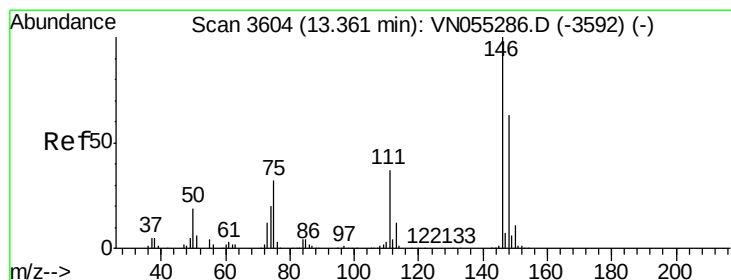
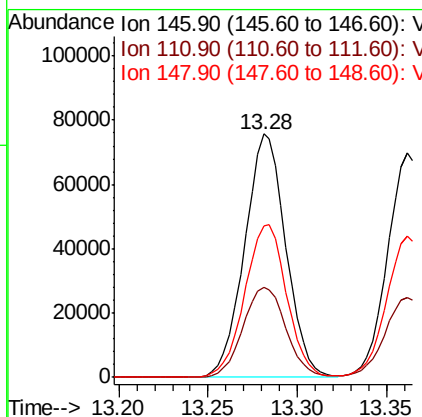
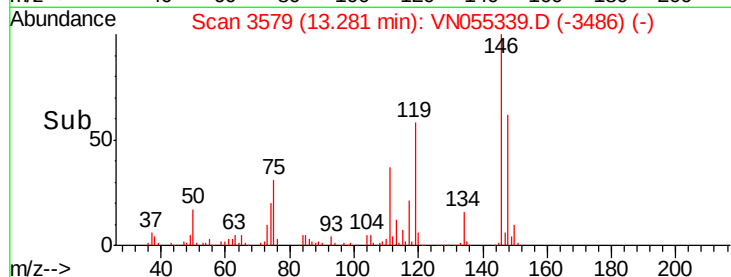
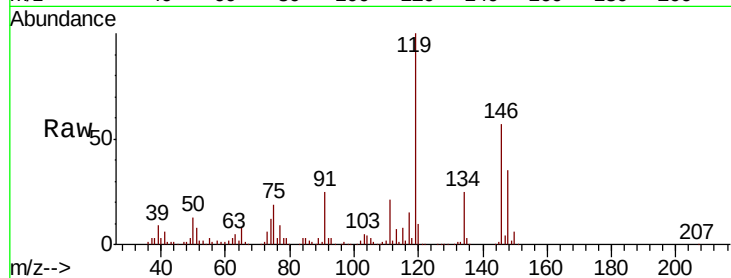




#87
 1,3-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

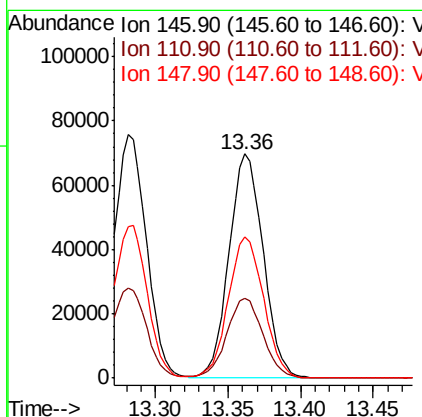
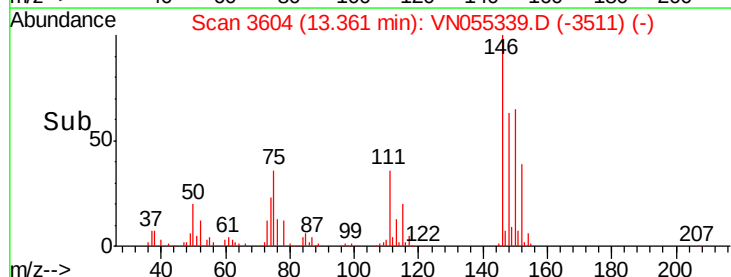
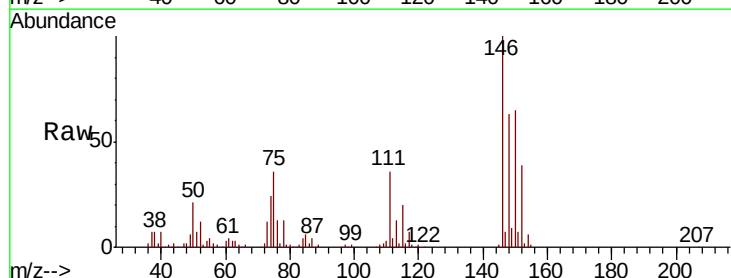
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

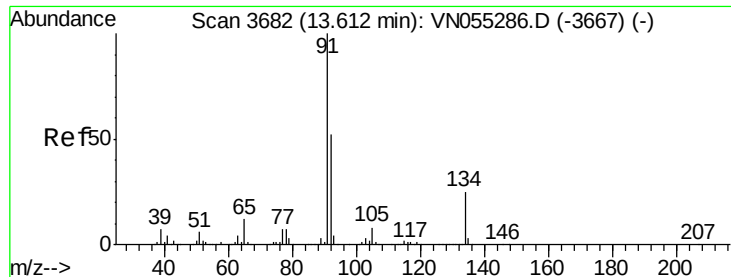
Tot Ion:146 Resp: 122068
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.3 60.8
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion:146 Resp: 114607
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.5 58.5
 148 65.0 32.5 97.4

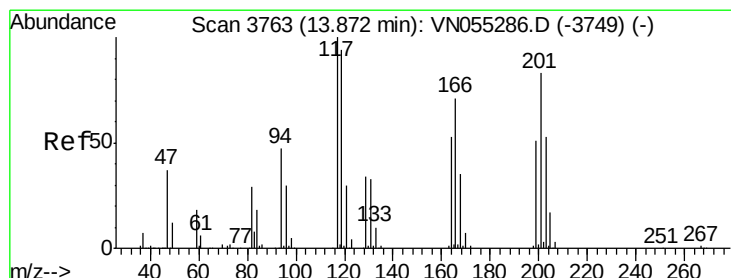
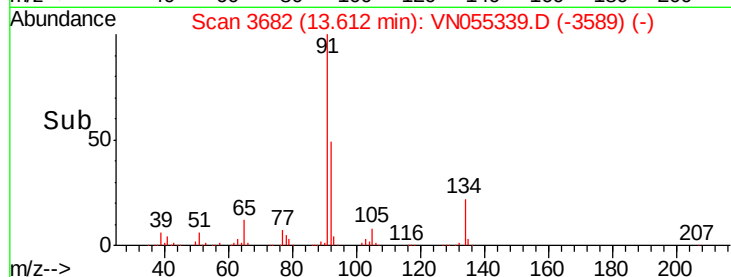
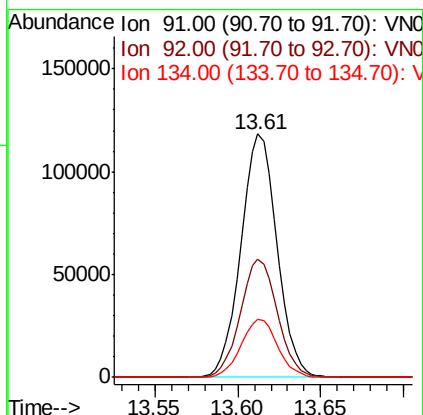
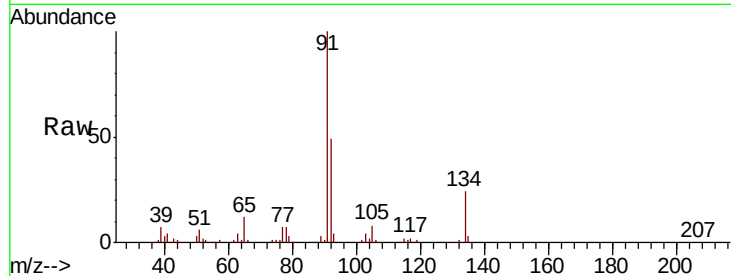




#89
n-Butylbenzene
Concen: 19.262 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

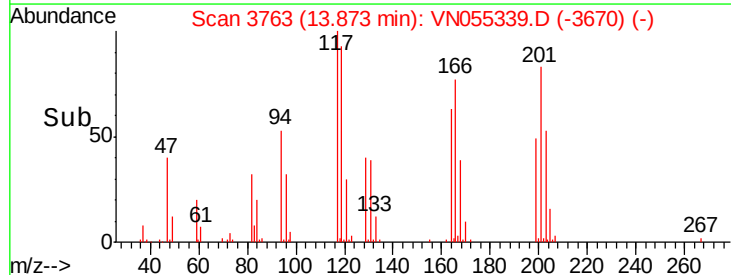
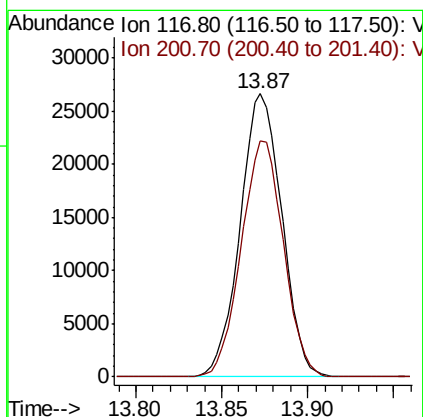
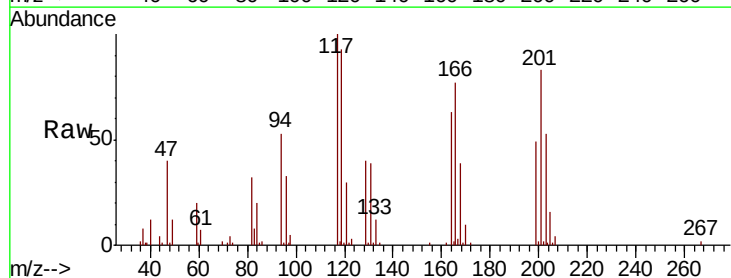
Instrument :
MSVOA_N
ClientSampled :
VN0502WBS01

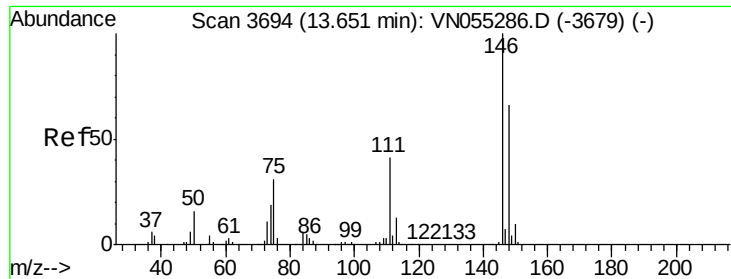
Tot Ion: 91 Resp: 179045
Ion Ratio Lower Upper
91 100
92 49.9 26.1 78.3
134 24.2 12.4 37.4



#90
Hexachloroethane
Concen: 20.713 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055339.D
Acq: 2 May 2019 10:21

Tgt Ion: 117 Resp: 44814
Ion Ratio Lower Upper
117 100
201 84.4 41.9 125.8

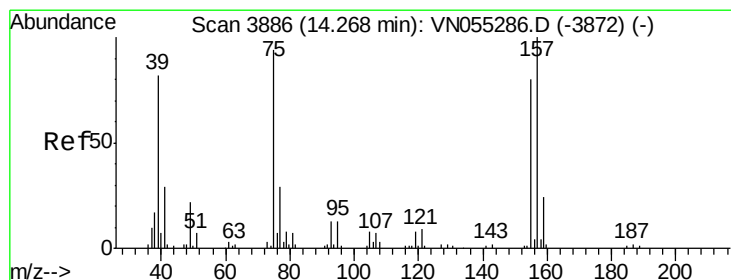
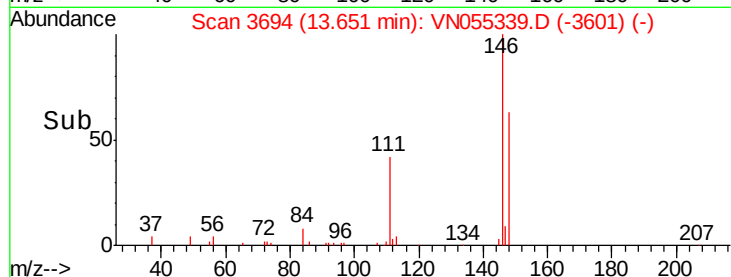
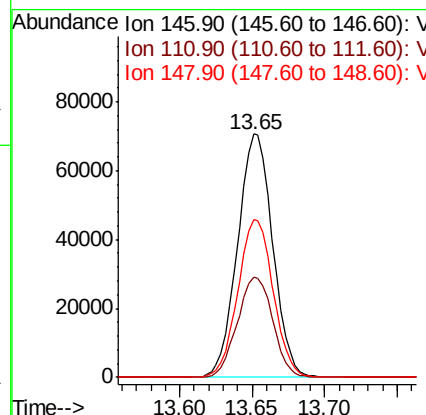
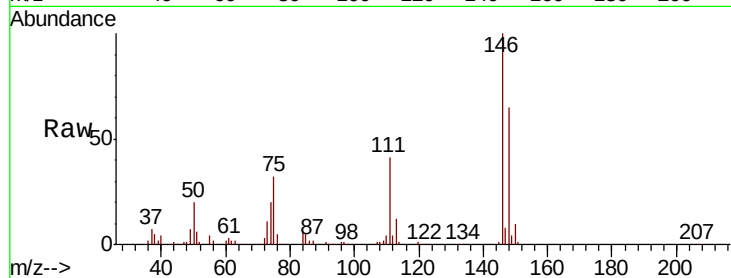




#91
 1,2-Dichlorobenzene
 Concen: 19.168 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

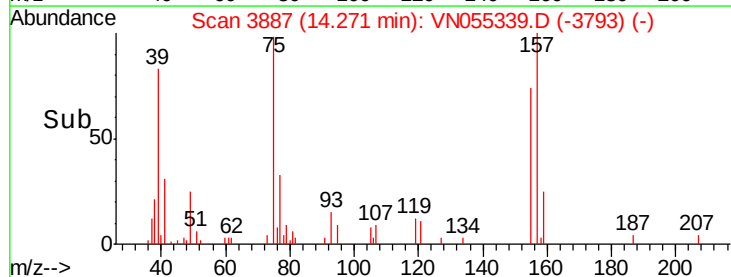
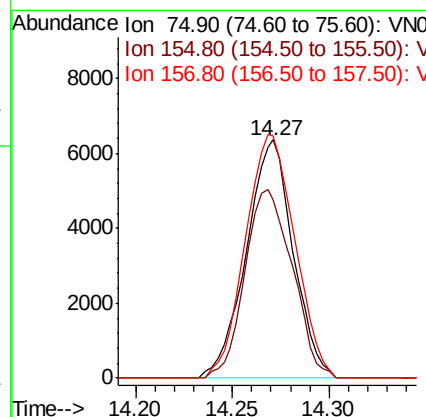
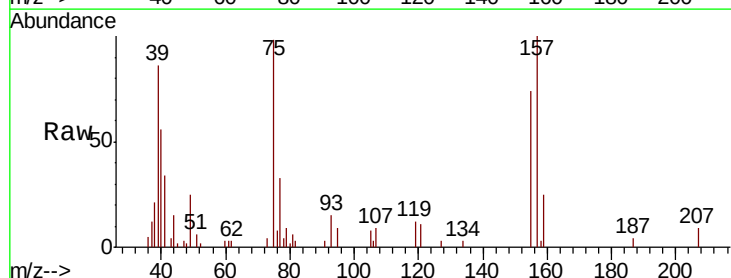
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

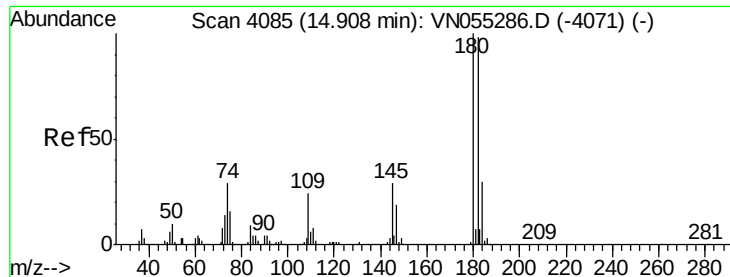
Tot Ion:146 Resp: 118739
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 61.0
 148 65.0 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.809 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion: 75 Resp: 10717
 Ion Ratio Lower Upper
 75 100
 155 80.1 41.5 124.6
 157 108.1 54.0 162.2

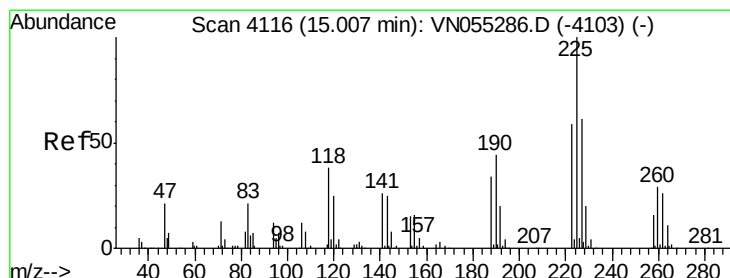
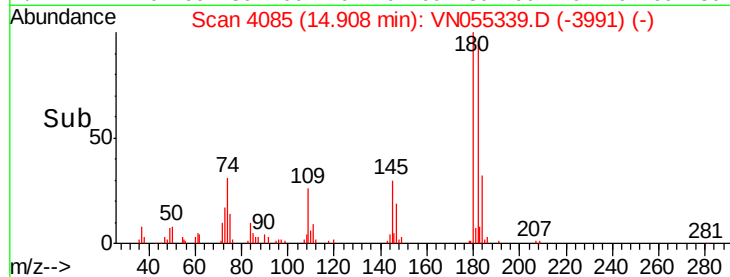
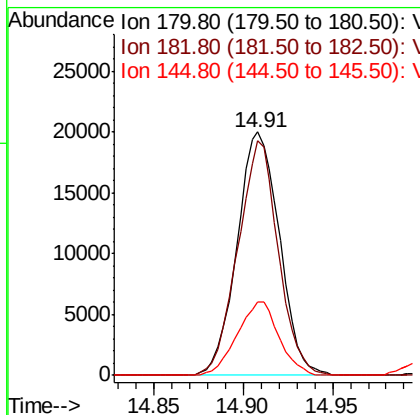
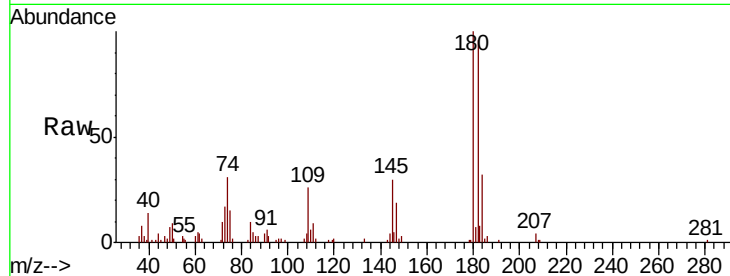




#93
 1,2,4-Trichlorobenzene
 Concen: 16.003 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

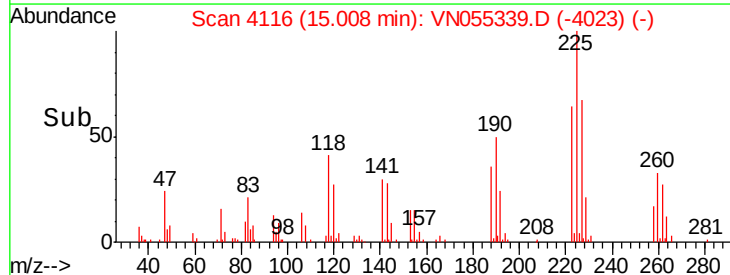
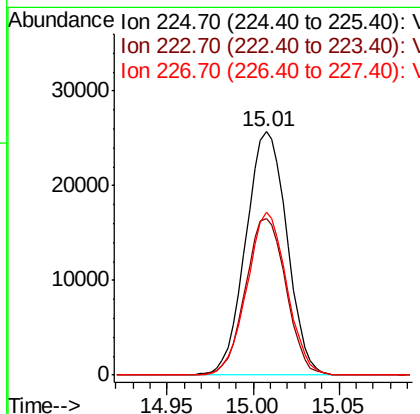
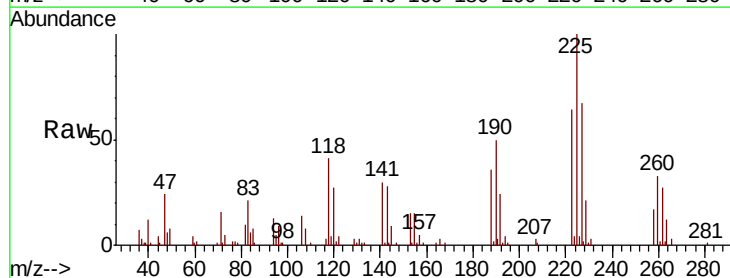
Instrument :
 MSVOA_N
 ClientSampled :
 VN0502WBS01

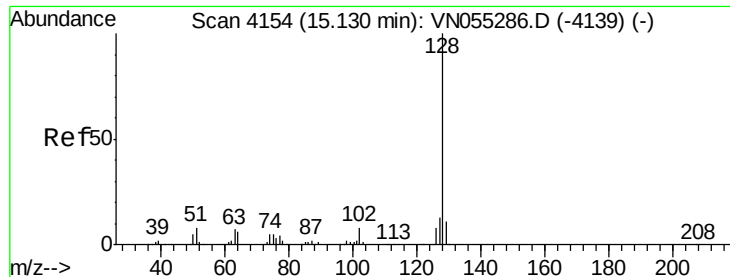
Tot Ion:180 Resp: 33194
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.3 144.9
 145 29.7 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.342 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055339.D
 Acq: 2 May 2019 10:21

Tgt Ion:225 Resp: 42773
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.3 90.8
 227 64.5 30.9 92.7





#95

Naphthalene

Concen: 16.200 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

Instrument :

MSVOA_N

ClientSampled :

VN0502WBS01

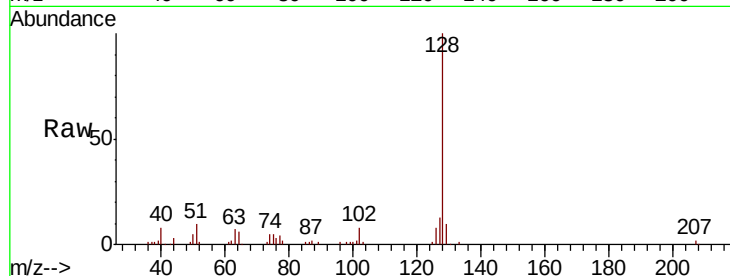
Tot Ion:128 Resp: 71590

Ion Ratio Lower Upper

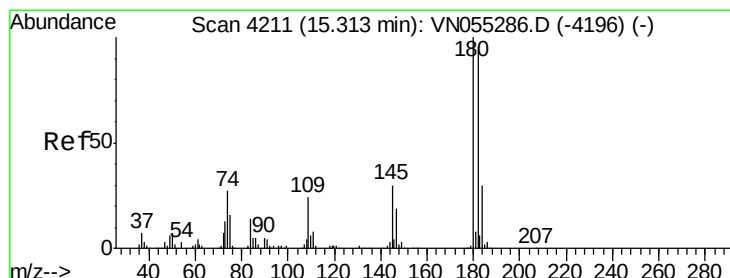
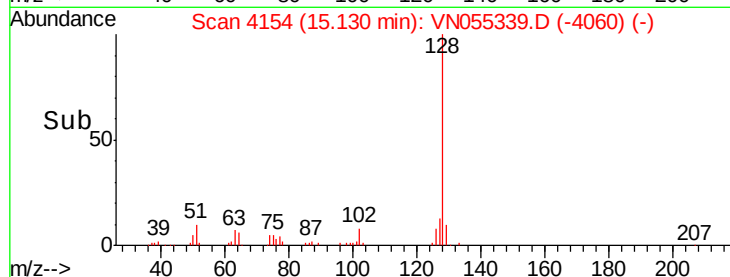
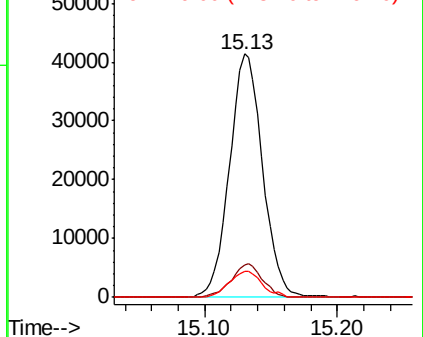
128 100

127 13.0 10.7 16.1

129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.043 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055339.D

Acq: 2 May 2019 10:21

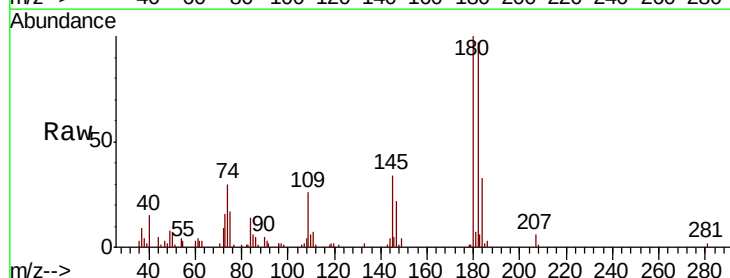
Tgt Ion:180 Resp: 36619

Ion Ratio Lower Upper

180 100

182 95.6 48.3 144.9

145 32.3 15.2 45.6



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

