

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055154.D
 Acq On : 19 Apr 2019 22:03
 Operator : JC/SP
 Sample : VN0419WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

Quant Time: Apr 20 04:26:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	370004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	614980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	260375	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	7.59	113	203590	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.09	98	726901	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	233532	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	74506	17.719	ug/l	98
3) Chloromethane	2.06	50	98193	17.904	ug/l	97
4) Vinyl Chloride	2.19	62	79912	17.335	ug/l	100
5) Bromomethane	2.55	94	43458	16.664	ug/l	99
6) Chloroethane	2.70	64	43972	17.688	ug/l	100
7) Trichlorofluoromethane	3.01	101	117893	20.449	ug/l	98
8) Diethyl Ether	3.41	74	46288	25.153	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72292	23.961	ug/l	98
10) Methyl Iodide	3.95	142	103167	22.035	ug/l	92
11) Tert butyl alcohol	4.79	59	38833	144.046	ug/l	99
12) 1,1-Dichloroethene	3.74	96	70465	23.994	ug/l	89
13) Acrolein	3.61	56	24769	74.331	ug/l	96
14) Allyl chloride	4.33	41	144726	20.133	ug/l	98
15) Acrylonitrile	4.99	53	189140	117.264	ug/l	98
16) Acetone	3.82	43	145601	109.072	ug/l	96
17) Carbon Disulfide	4.05	76	155356	16.388	ug/l	99
18) Methyl Acetate	4.33	43	96145	24.769	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	230697	21.960	ug/l	97
20) Methylene Chloride	4.55	84	90423	19.269	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	75799	19.084	ug/l	99
22) Diisopropyl ether	5.95	45	307348	20.798	ug/l	91
23) Vinyl Acetate	5.90	43	1100238	112.640	ug/l	99
24) 1,1-Dichloroethane	5.85	63	160849	20.440	ug/l	98
25) 2-Butanone	6.84	43	233488	117.193	ug/l	98
26) 2,2-Dichloropropane	6.83	77	92696	18.663	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	90205	20.074	ug/l	98
28) Bromochloromethane	7.20	49	78888	20.796	ug/l	99
29) Tetrahydrofuran	7.22	42	160039	122.494	ug/l	99
30) Chloroform	7.37	83	155154	20.298	ug/l	98
31) Cyclohexane	7.65	56	139150	19.231	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	122124	20.166	ug/l	100
36) 1,1-Dichloropropene	7.80	75	107380	18.522	ug/l	98
37) Ethyl Acetate	6.93	43	102632	21.746	ug/l	97
38) Carbon Tetrachloride	7.77	117	100927	18.298	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105606	16.810	ug/l	98
40) Benzene	8.04	78	333535	19.089	ug/l	99
41) Methacrylonitrile	7.18	41	54781	20.910	ug/l	98
42) 1,2-Dichloroethane	8.13	62	119134	19.638	ug/l	99
43) Isopropyl Acetate	8.17	43	173886	23.910	ug/l	100
44) Trichloroethene	8.84	130	83753	19.137	ug/l	100
45) 1,2-Dichloropropane	9.12	63	97911	20.093	ug/l	99
46) Dibromomethane	9.21	93	57031	20.562	ug/l	100
47) Bromodichloromethane	9.40	83	114659	20.051	ug/l	97
48) Methyl methacrylate	9.20	41	79020	21.922	ug/l	99
49) 1,4-Dioxane	9.20	88	18783	556.187	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	495150	117.852	ug/l	98
52) Toluene	10.16	92	194711	19.457	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	100929	20.197	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	123816	19.963	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80222	20.807	ug/l	100
56) Ethyl methacrylate	10.43	69	101520	21.940	ug/l	99
57) 1,3-Dichloropropane	10.71	76	136047	20.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	175365	93.318	ug/l	99
59) 2-Hexanone	10.75	43	308700	116.980	ug/l	98
60) Dibromochloromethane	10.90	129	76947	20.438	ug/l	98
61) 1,2-Dibromoethane	11.01	107	75328	21.227	ug/l	99
64) Tetrachloroethene	10.63	164	81017	19.379	ug/l	93
65) Chlorobenzene	11.43	112	199951	19.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	79293	20.832	ug/l	99
67) Ethyl Benzene	11.51	91	360169	19.488	ug/l	100
68) m/p-Xylenes	11.62	106	260965	38.995	ug/l	100
69) o-Xylene	11.95	106	131867	20.344	ug/l	100
70) Styrene	11.96	104	214502	20.444	ug/l	99
71) Bromoform	12.13	173	47757	21.890	ug/l #	99
73) Isopropylbenzene	12.25	105	347925	19.701	ug/l	99
74) N-amyl acetate	12.07	43	116338	23.401	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102884	21.771	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	115045	32.145	ug/l #	100
77) Bromobenzene	12.53	156	84783	19.256	ug/l	97
78) n-propylbenzene	12.59	91	364443	19.100	ug/l	100
79) 2-Chlorotoluene	12.67	91	234736	19.723	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	285298	20.018	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19495	21.783	ug/l	94
82) 4-Chlorotoluene	12.77	91	218863	19.711	ug/l	100
83) tert-Butylbenzene	12.99	119	239887	19.931	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	264298	19.568	ug/l	100
85) sec-Butylbenzene	13.17	105	300220	19.575	ug/l	99
86) p-Isopropyltoluene	13.29	119	257122	19.541	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131463	19.644	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124741	19.547	ug/l	99
89) n-Butylbenzene	13.61	91	174889	17.905	ug/l	98
90) Hexachloroethane	13.87	117	42053	19.642	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	135429	20.113	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14139	24.297	ug/l	97

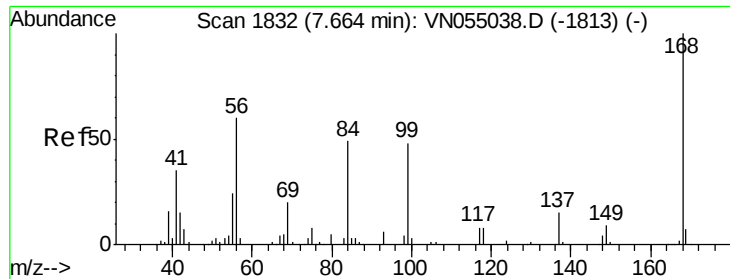
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43997	16.320	ug/l	97
94) Hexachlorobutadiene	15.01	225	42085	20.236	ug/l	96
95) Naphthalene	15.13	128	107019	17.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48497	18.670	ug/l	97

(#) = 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: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

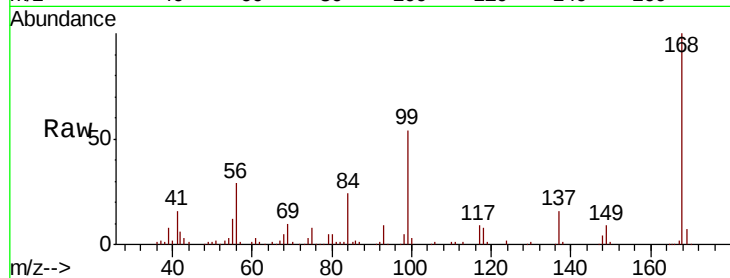
VN0419WBSD02

Tot Ion:168 Resp: 370004

Ion Ratio Lower Upper

168 100

99 53.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

100000

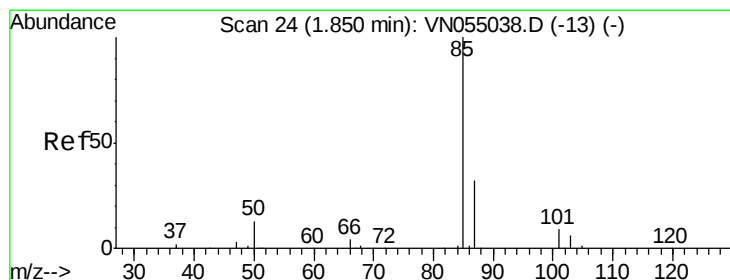
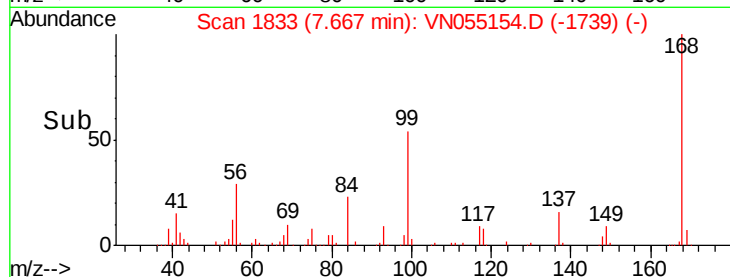
50000

0

7.60 7.65 7.70 7.75

7.67

Time-->



#2

Dichlorodifluoromethane

Concen: 17.719 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055154.D

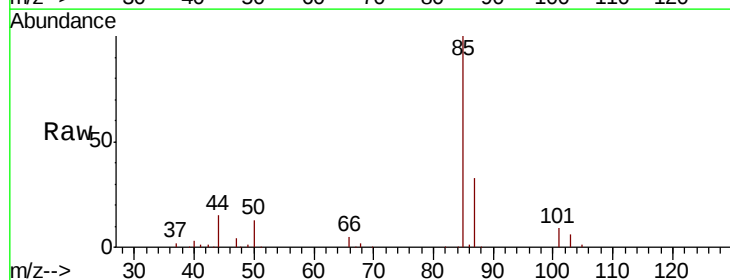
Acq: 19 Apr 2019 22:03

Tgt Ion: 85 Resp: 74506

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

50000

40000

30000

20000

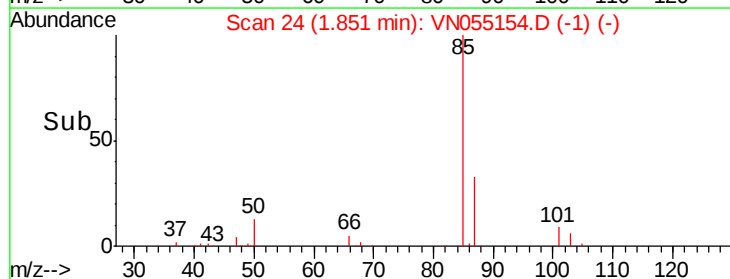
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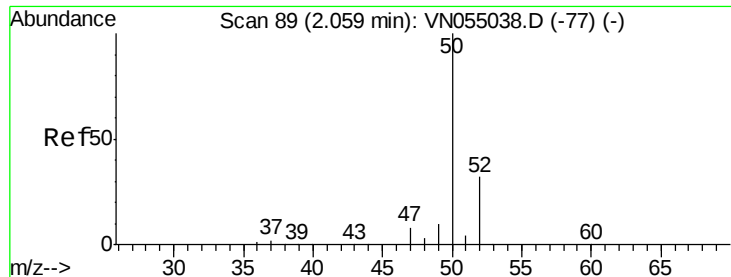
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1.80 1.85 1.90 1.95

1.85

Time-->





#3

Chloromethane

Concen: 17.904 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

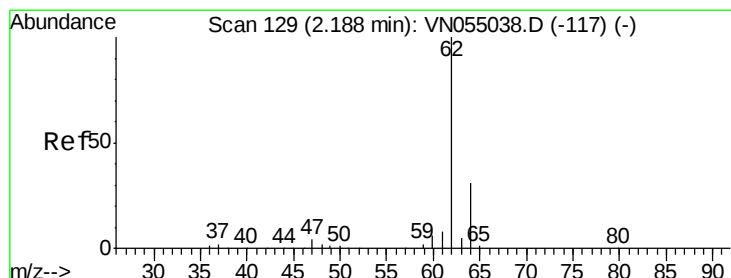
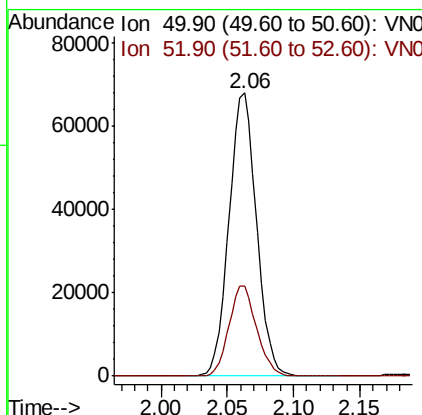
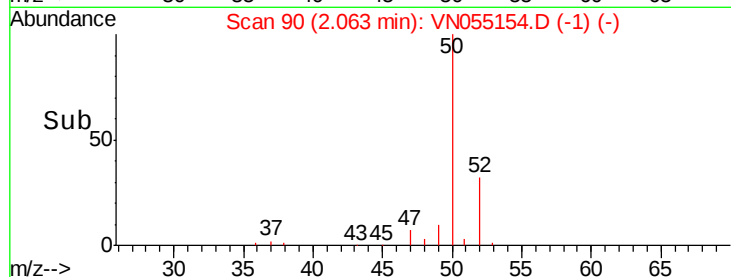
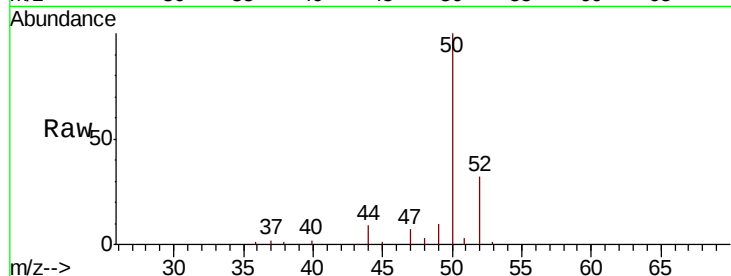
VN0419WBSD02

Tot Ion: 50 Resp: 98193

Ion Ratio Lower Upper

50 100

52 31.6 26.6 40.0



#4

Vinyl Chloride

Concen: 17.335 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055154.D

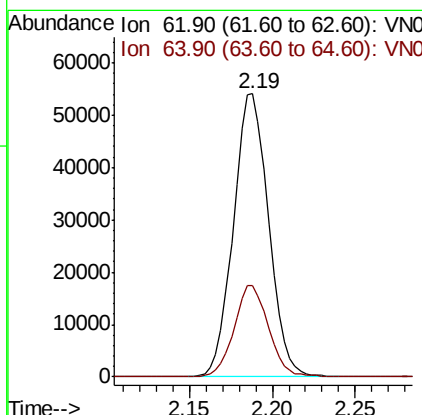
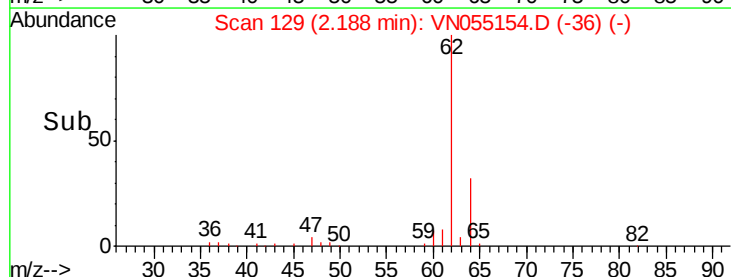
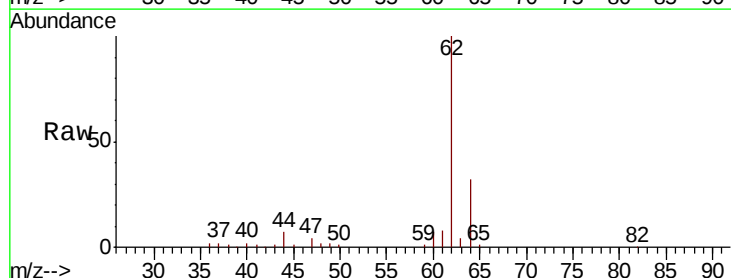
Acq: 19 Apr 2019 22:03

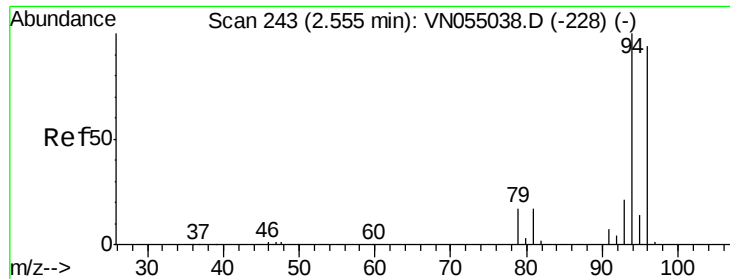
Tgt Ion: 62 Resp: 79912

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.6





#5

Bromomethane

Concen: 16.664 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

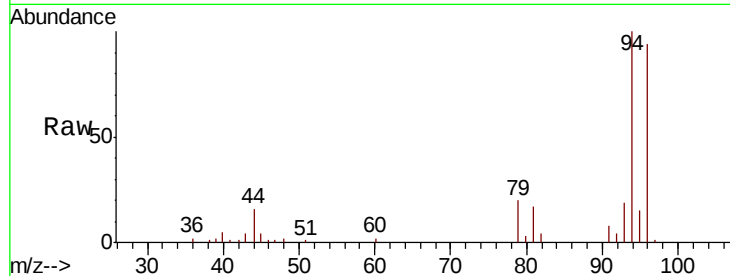
VN0419WBSD02

Tot Ion: 94 Resp: 43458

Ion Ratio Lower Upper

94 100

96 94.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

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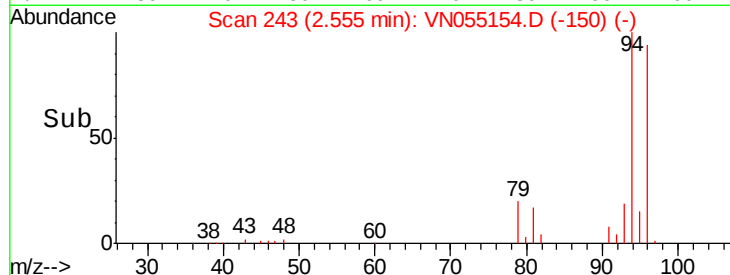
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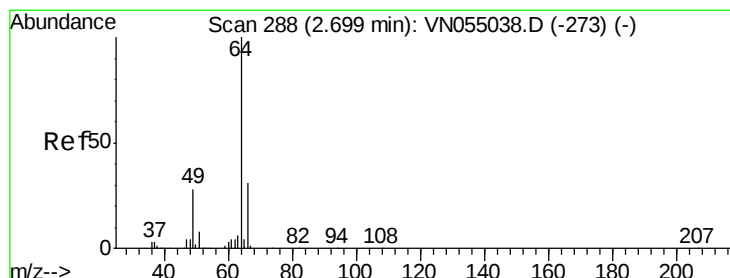
2.55

2.55

2.55



Time-->



#6

Chloroethane

Concen: 17.688 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055154.D

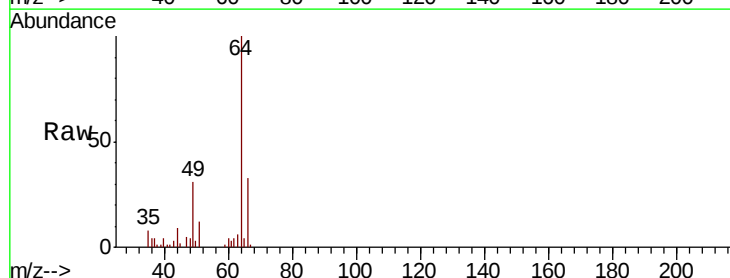
Acq: 19 Apr 2019 22:03

Tgt Ion: 64 Resp: 43972

Ion Ratio Lower Upper

64 100

66 33.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

2.70

2.70

2.70

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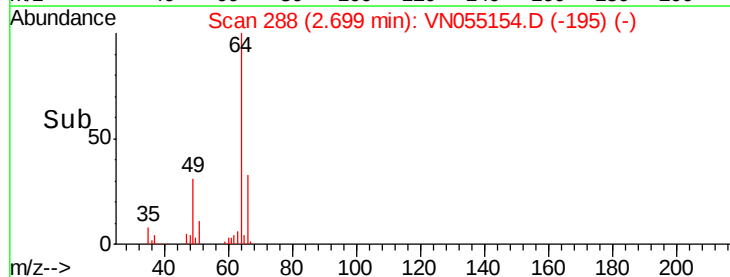
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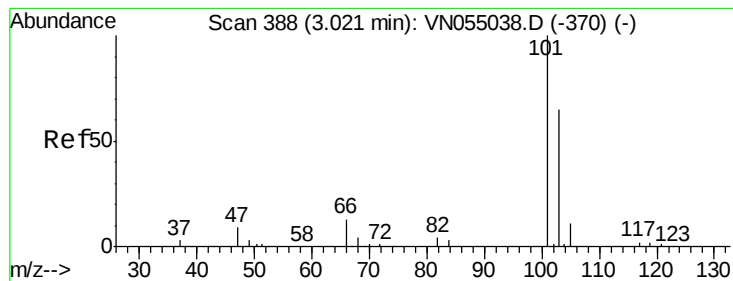
2.70

2.70

2.70



Time-->

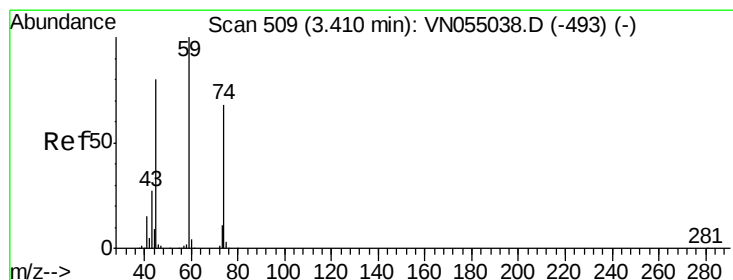
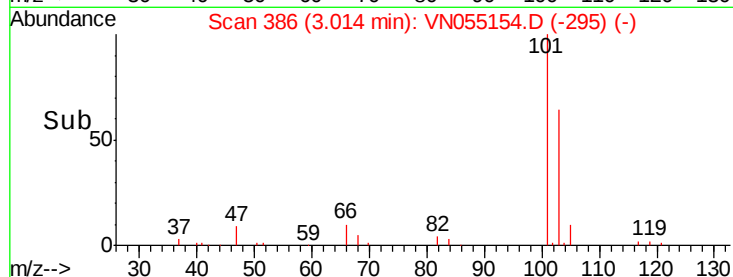
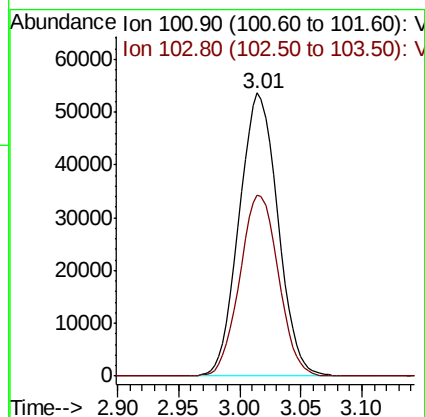
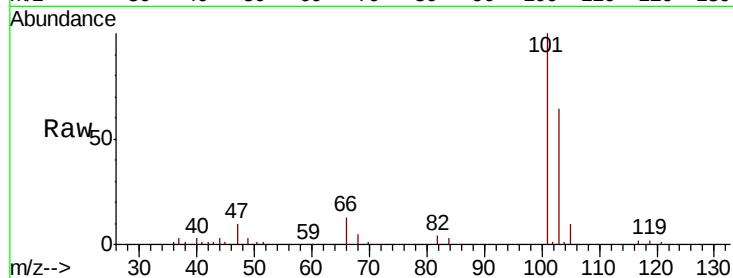


#7

Trichlorofluoromethane
Concen: 20.449 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
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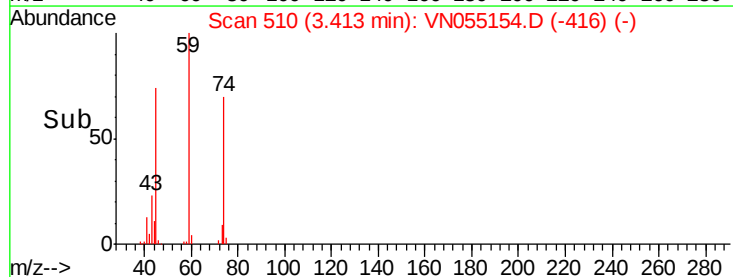
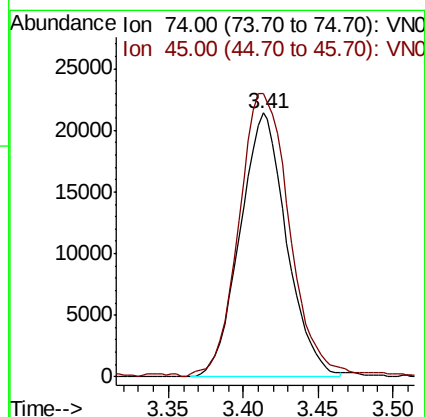
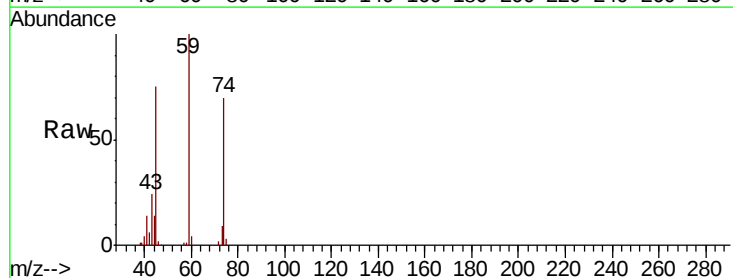
Tot Ion:101 Resp: 117893
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7

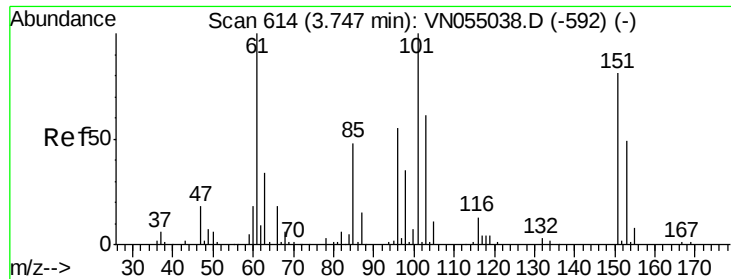


#8

Diethyl Ether
Concen: 25.153 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 74 Resp: 46288
Ion Ratio Lower Upper
74 100
45 116.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.961 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

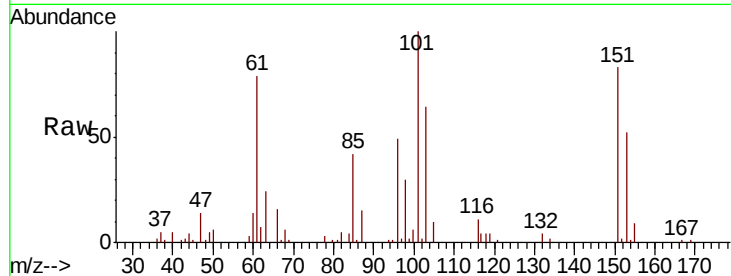
Tot Ion:101 Resp: 72292

Ion Ratio Lower Upper

101 100

85 43.9 36.9 55.3

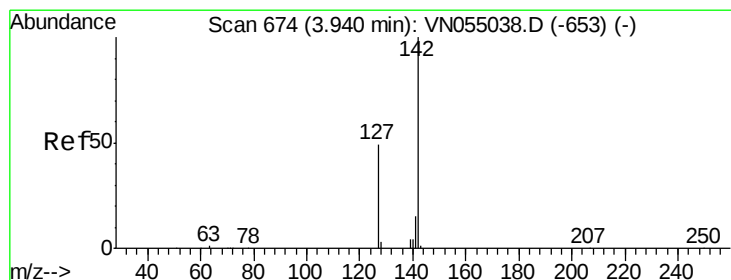
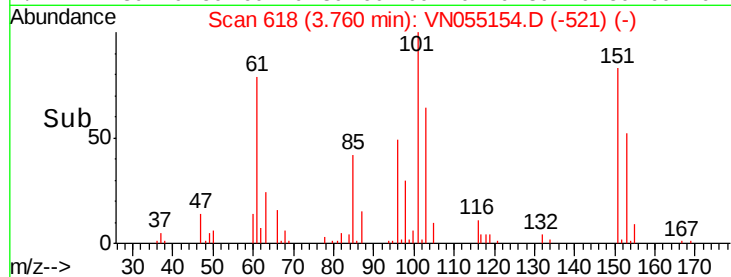
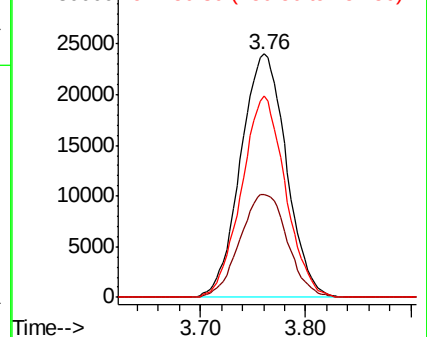
151 79.4 64.4 96.6



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: 22.035 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

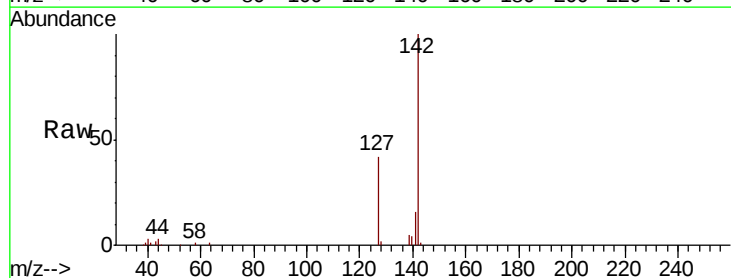
Tgt Ion:142 Resp: 103167

Ion Ratio Lower Upper

142 100

127 40.7 37.9 56.9

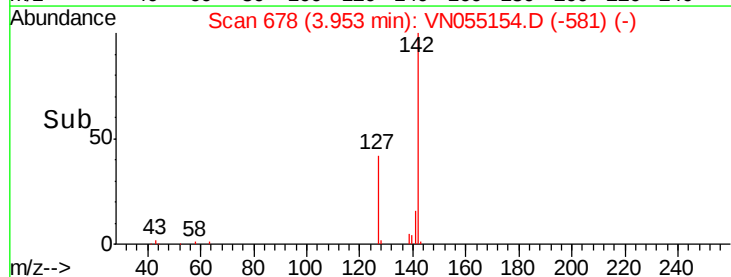
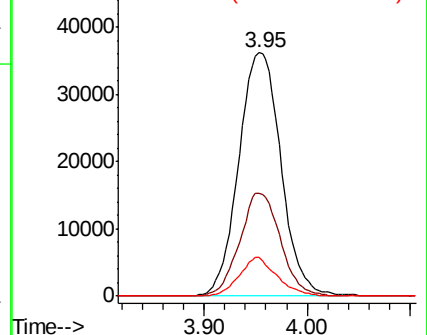
141 14.1 11.8 17.8

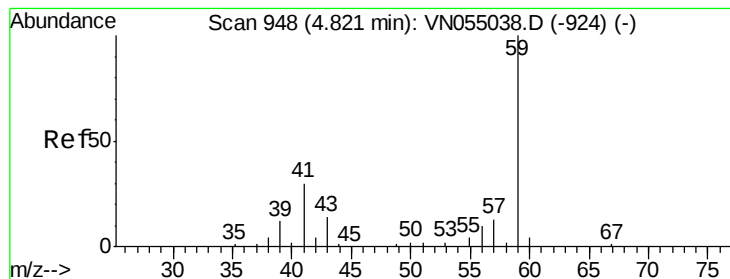


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



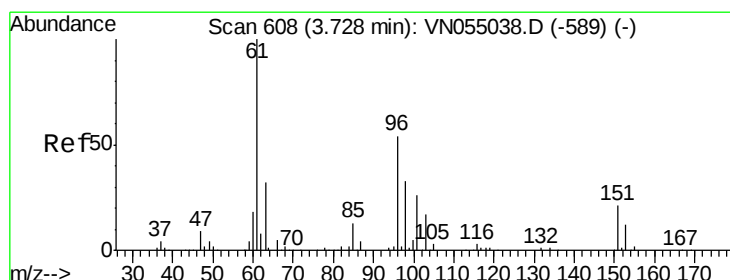
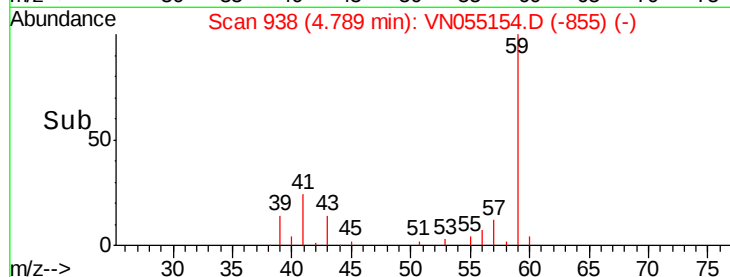
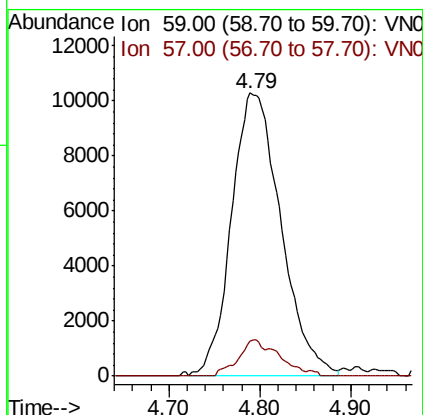
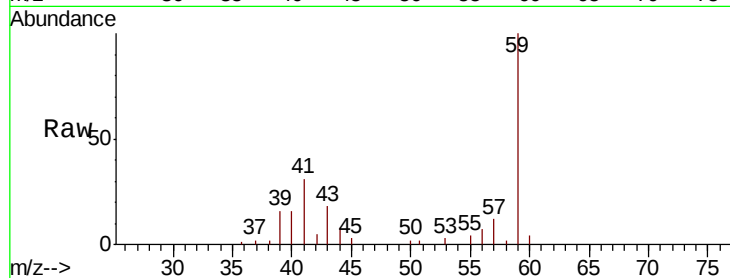


#11

Tert butyl alcohol
 Concen: 144.046 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

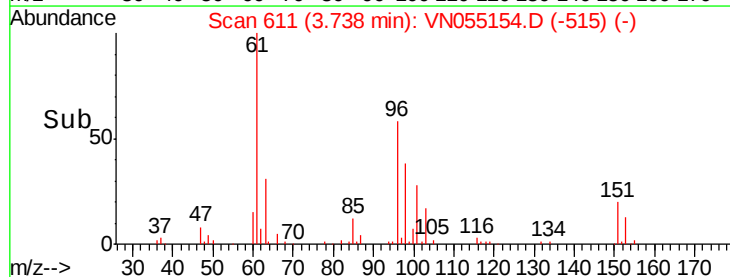
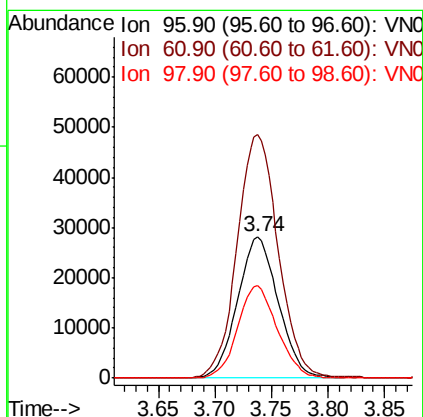
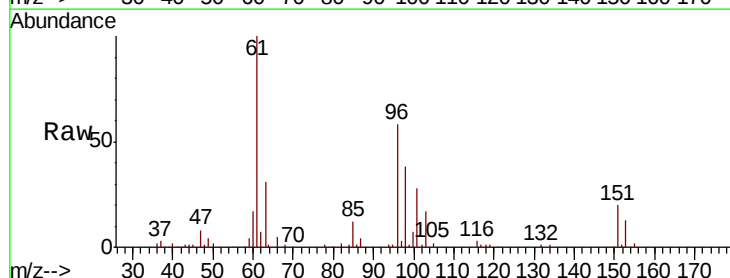
Tot Ion: 59 Resp: 38833
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

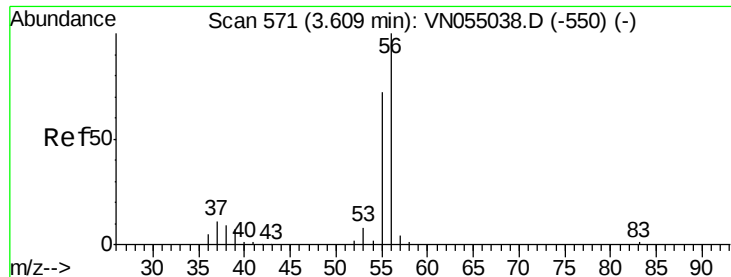


#12

1,1-Dichloroethene
 Concen: 23.994 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 96 Resp: 70465
 Ion Ratio Lower Upper
 96 100
 61 172.0 154.2 231.4
 98 65.8 52.9 79.3





#13

Acrolein

Concen: 74.331 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

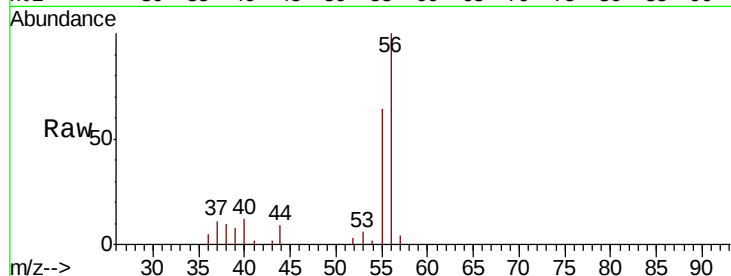
VN0419WBSD02

Tot Ion: 56 Resp: 24769

Ion Ratio Lower Upper

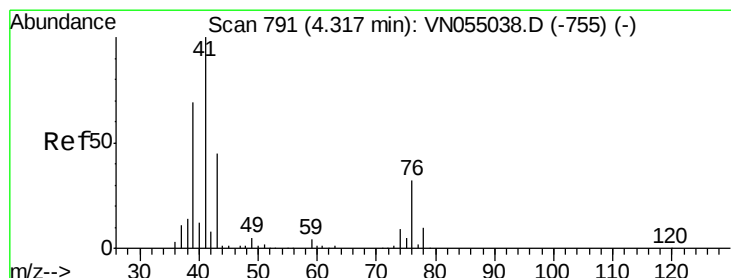
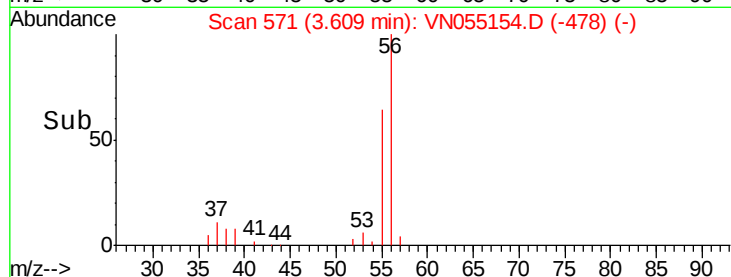
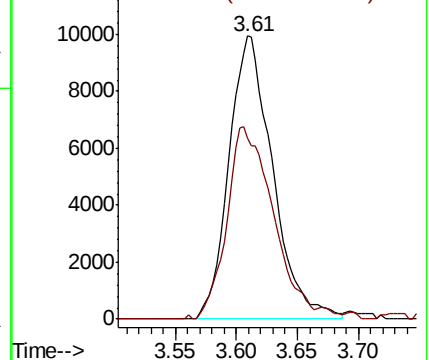
56 100

55 71.3 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.133 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

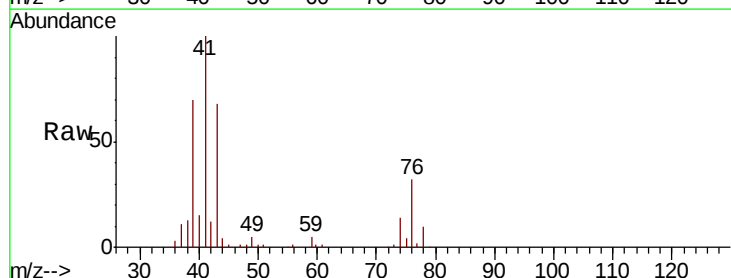
Tgt Ion: 41 Resp: 144726

Ion Ratio Lower Upper

41 100

39 64.0 52.7 79.1

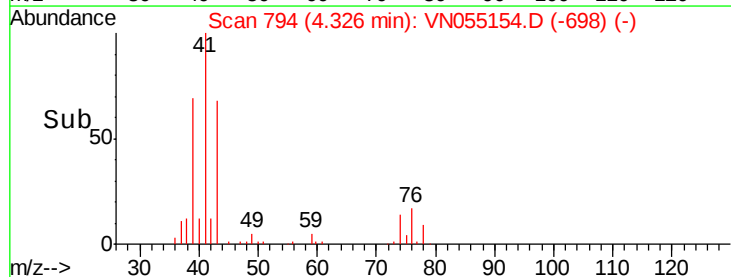
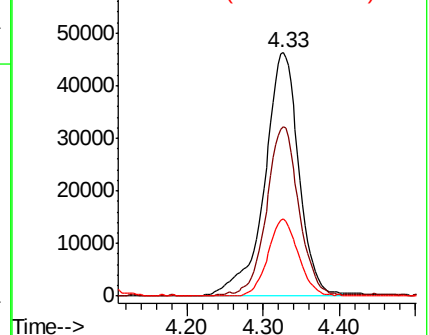
76 28.0 23.2 34.8

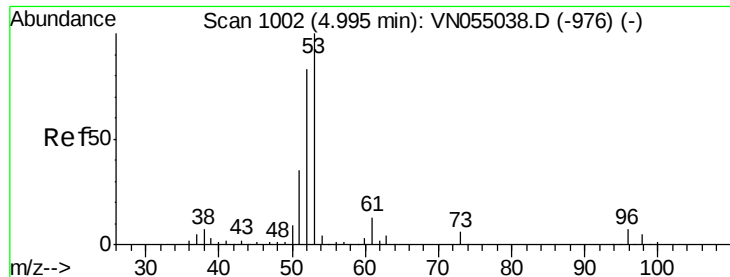


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 117.264 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampled :

VN0419WBSD02

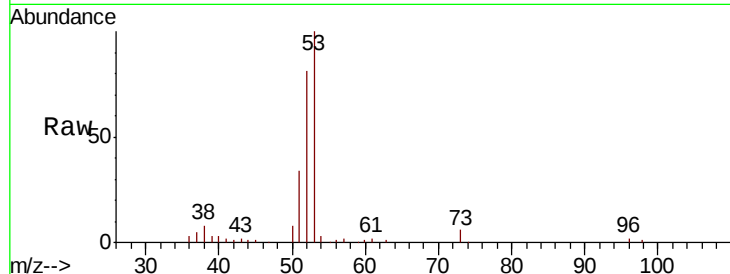
Tot Ion: 53 Resp: 189140

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

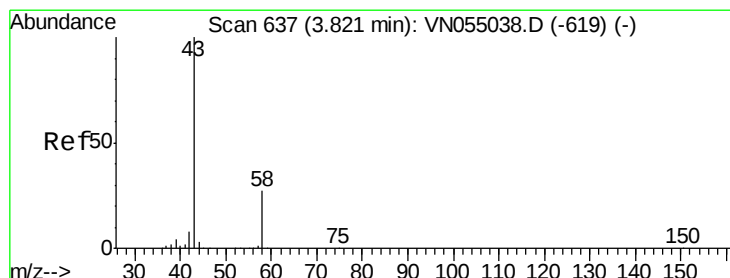
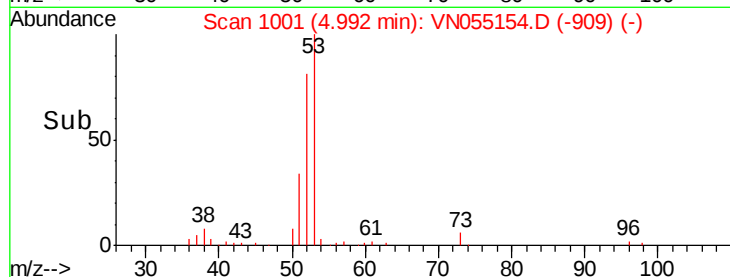
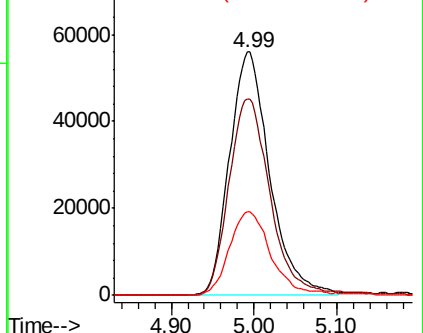
51 35.3 29.7 44.5



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: 109.072 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055154.D

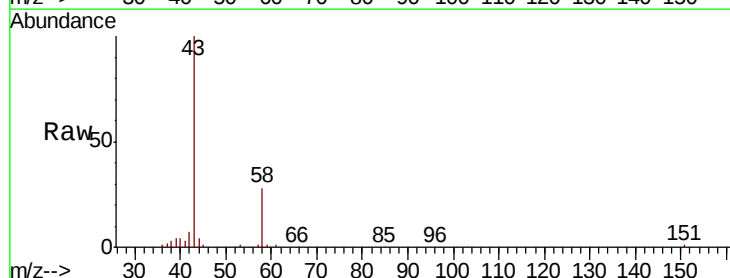
Acq: 19 Apr 2019 22:03

Tgt Ion: 43 Resp: 145601

Ion Ratio Lower Upper

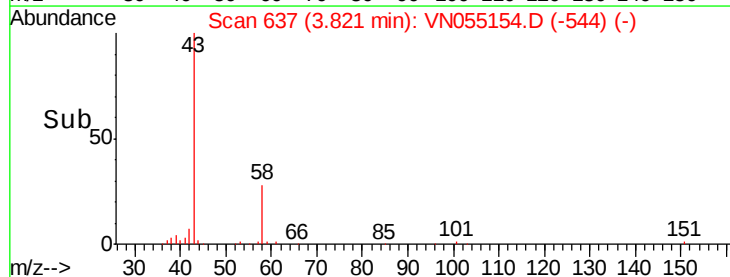
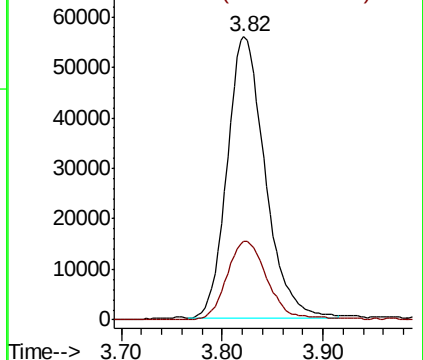
43 100

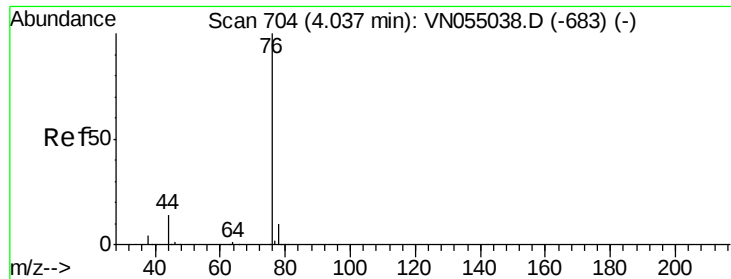
58 28.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.388 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.02 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

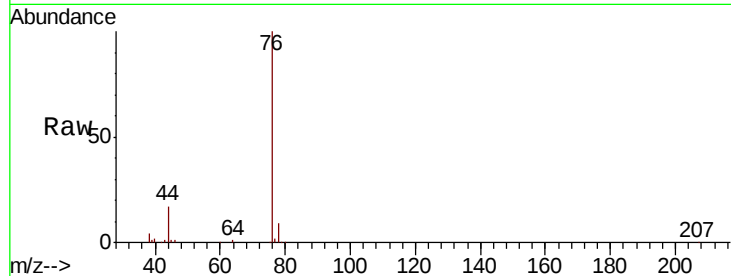
VN0419WBSD02

Tot Ion: 76 Resp: 155356

Ion Ratio Lower Upper

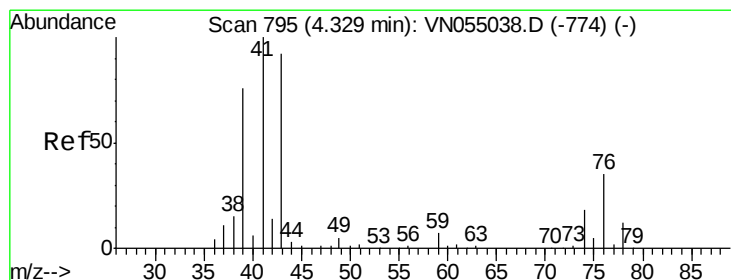
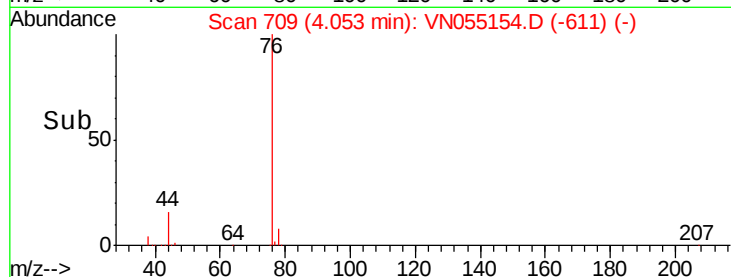
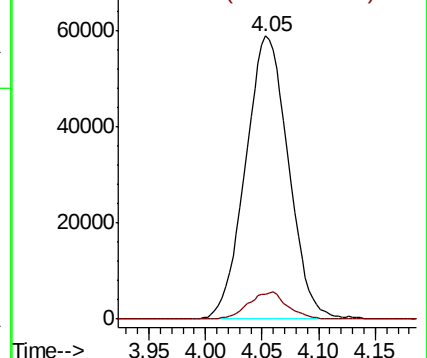
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.769 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055154.D

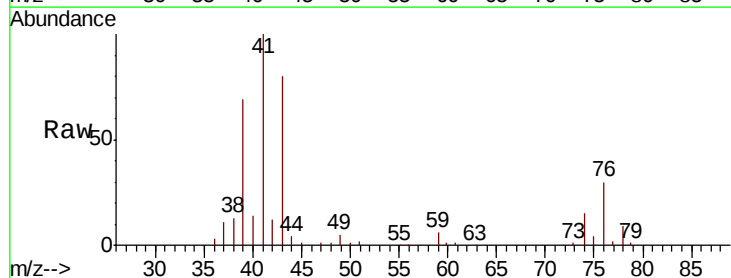
Acq: 19 Apr 2019 22:03

Tgt Ion: 43 Resp: 96145

Ion Ratio Lower Upper

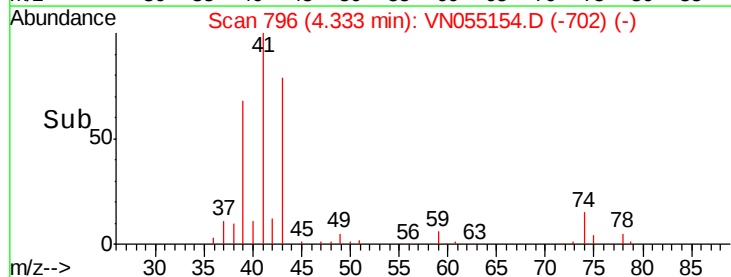
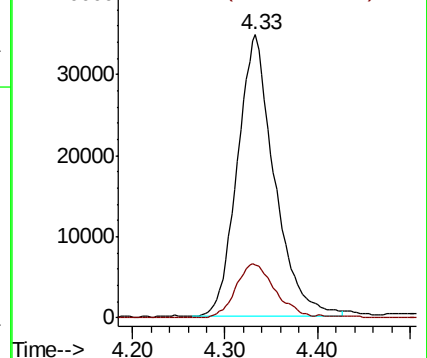
43 100

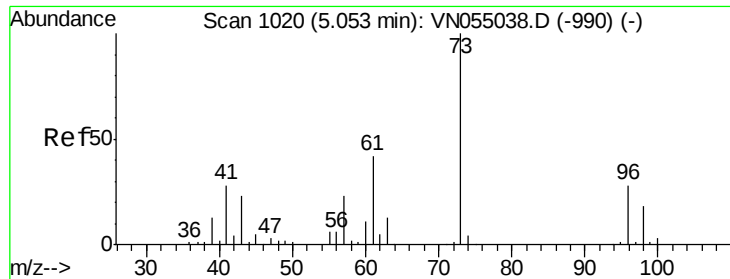
74 20.4 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

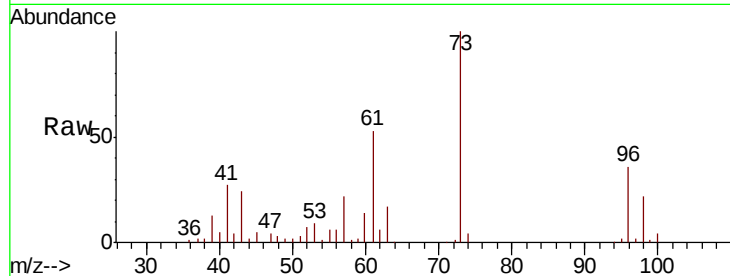




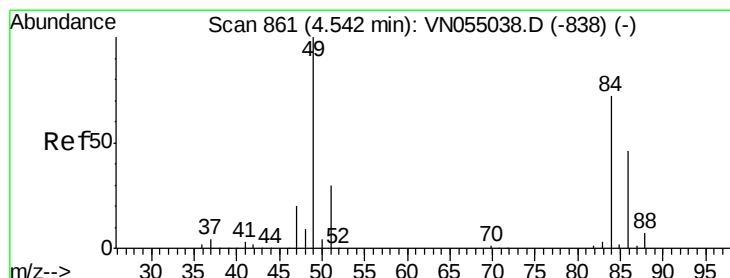
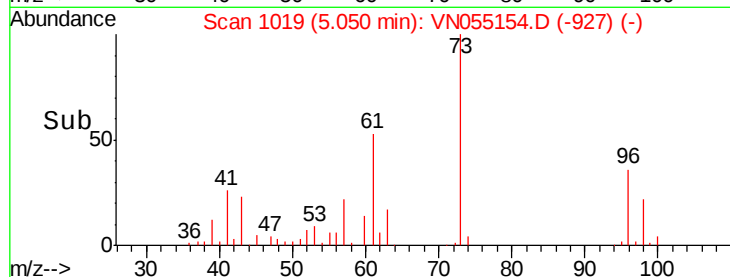
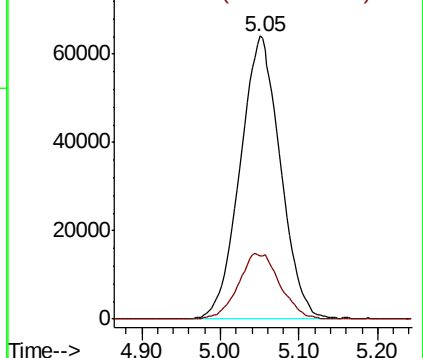
#19
Methyl tert-butyl Ether
Concen: 21.960 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
MSVOA_N
ClientSampleID :
VN0419WBSD02

Tot Ion: 73 Resp: 230697
Ion Ratio Lower Upper
73 100
57 22.2 19.0 28.4

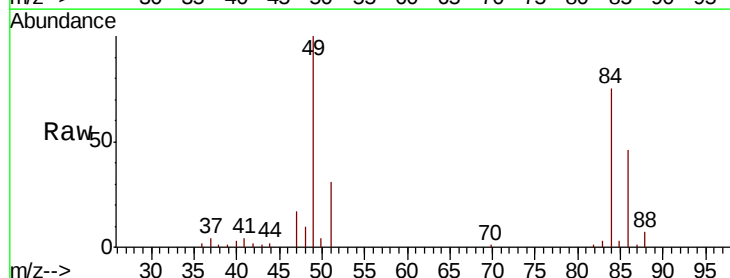


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

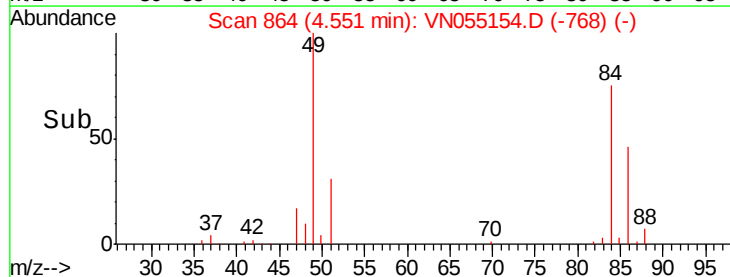
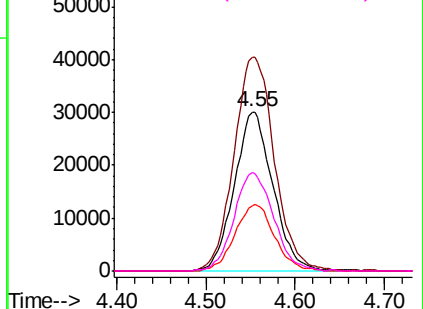


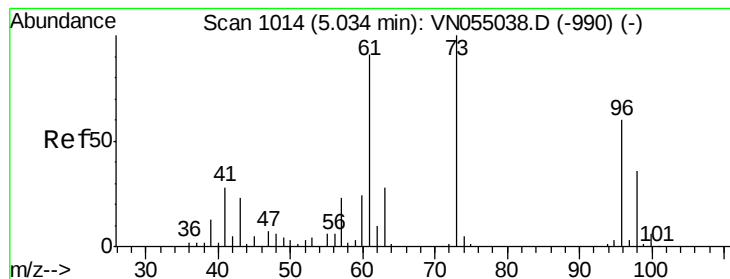
#20
Methylene Chloride
Concen: 19.269 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 84 Resp: 90423
Ion Ratio Lower Upper
84 100
49 134.1 109.4 164.2
51 41.4 32.2 48.4
86 61.9 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.084 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

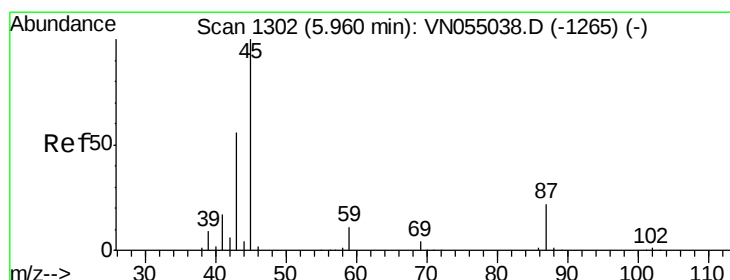
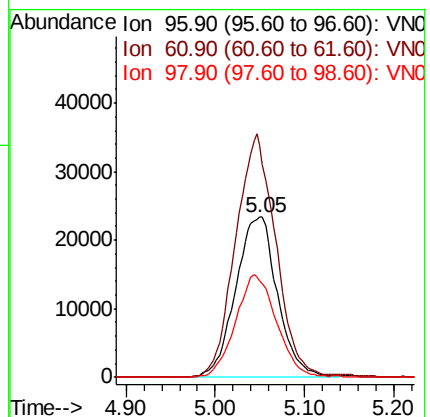
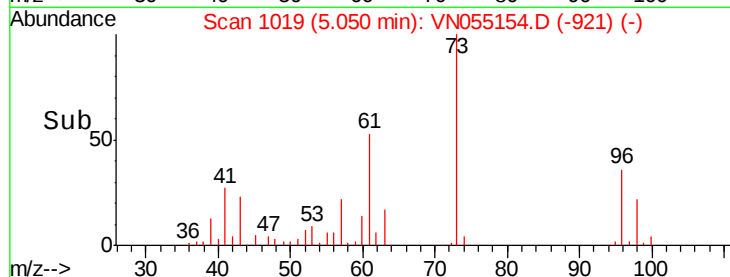
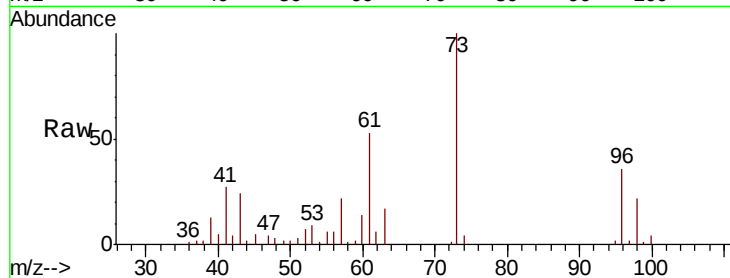
Tot Ion: 96 Resp: 75799

Ion Ratio Lower Upper

96 100

61 145.6 114.9 172.3

98 60.3 48.4 72.6



#22

Diisopropyl ether

Concen: 20.798 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Tgt Ion: 45 Resp: 307348

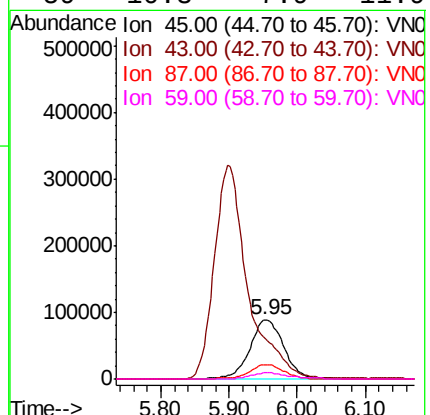
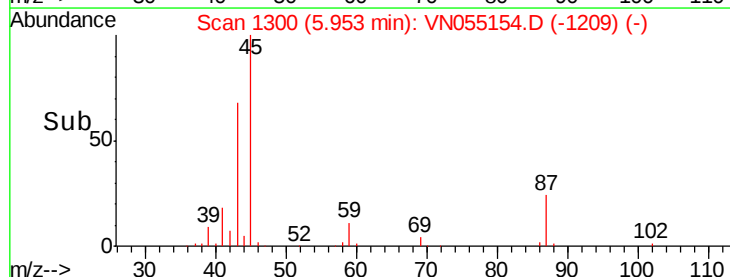
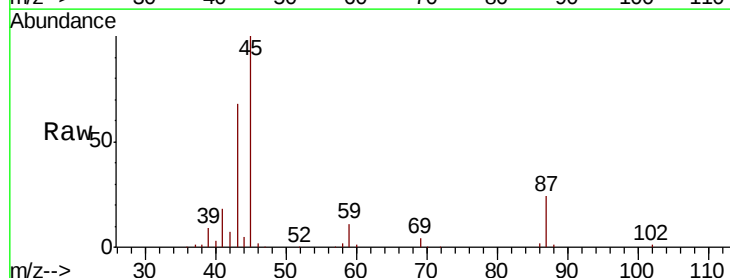
Ion Ratio Lower Upper

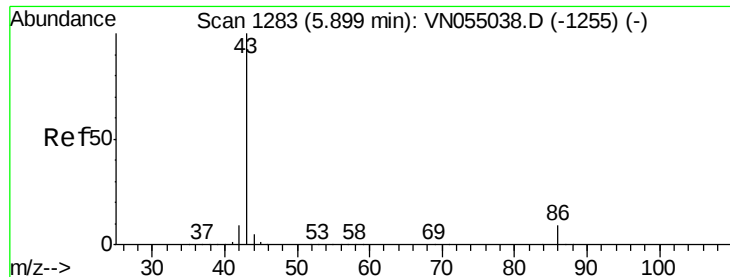
45 100

43 65.7 44.8 67.2

87 23.7 18.9 28.3

59 10.3 7.9 11.9





#23

Vinyl Acetate

Concen: 112.640 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

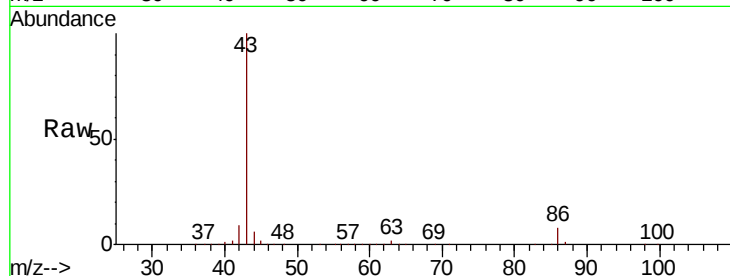
VN0419WBSD02

Tot Ion: 43 Resp: 1100238

Ion Ratio Lower Upper

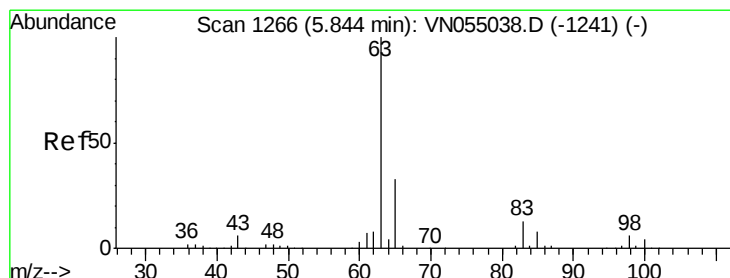
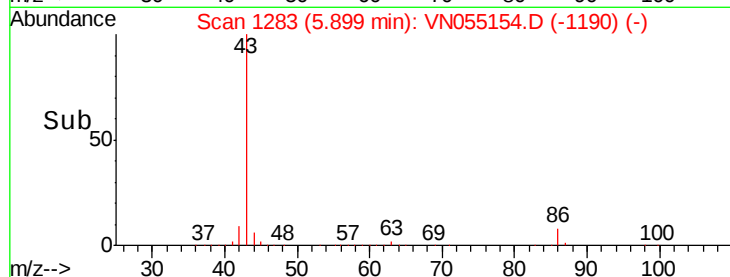
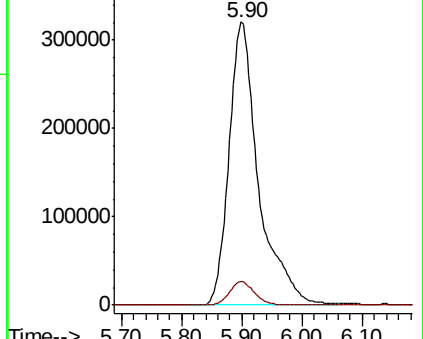
43 100

86 8.5 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055154.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN055154.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 20.440 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

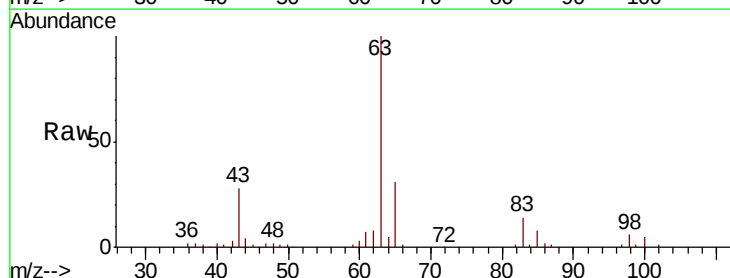
Tgt Ion: 63 Resp: 160849

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

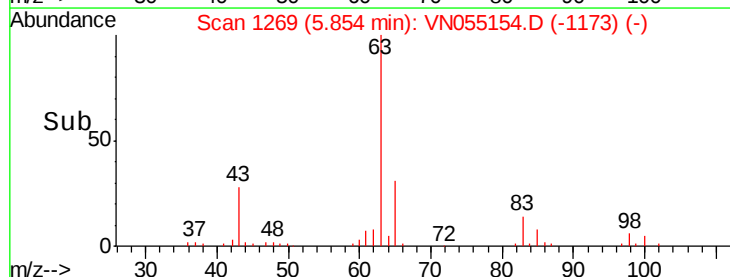
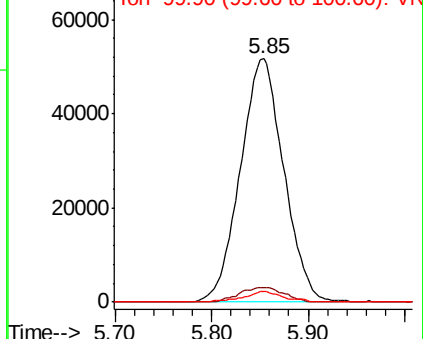
100 4.5 2.0 5.8

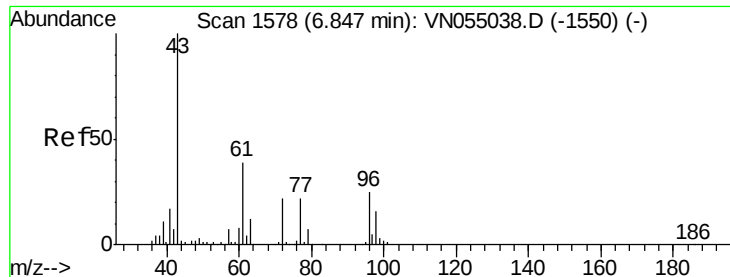


Abundance Ion 62.90 (62.60 to 63.60): VN055154.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055154.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055154.D (-1173) (-)





#25

2-Butanone

Concen: 117.193 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

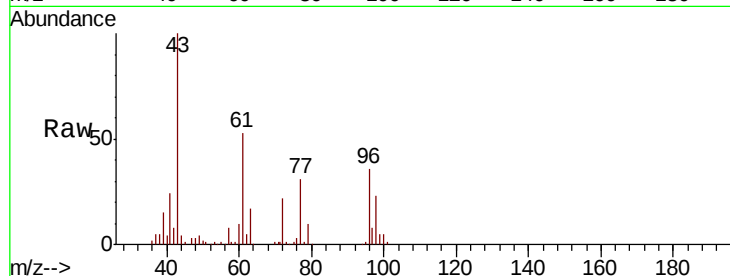
VN0419WBSD02

Tot Ion: 43 Resp: 233488

Ion Ratio Lower Upper

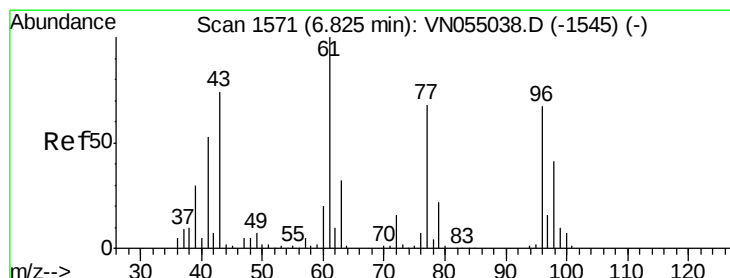
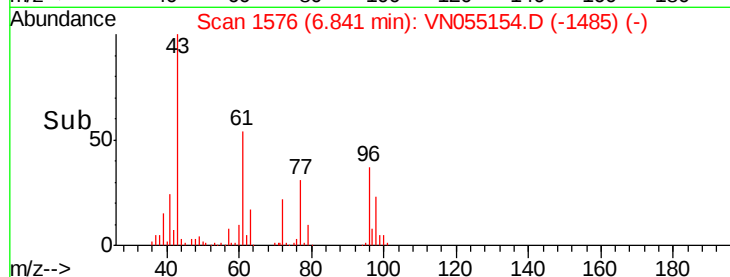
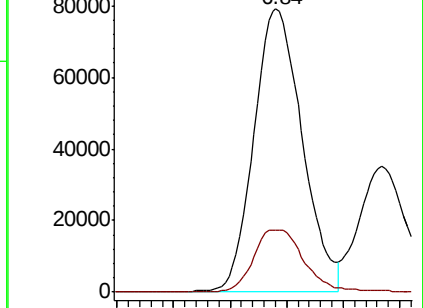
43 100

72 21.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN055038.D (-1550) (-)



#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN055154.D

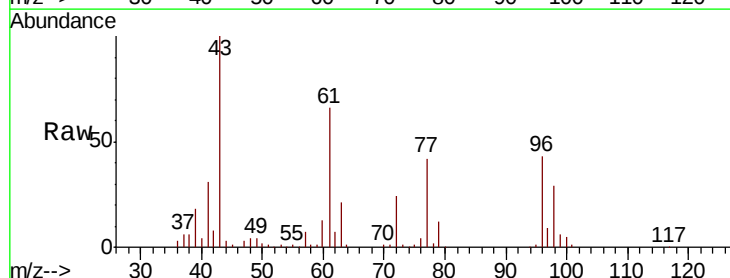
Acq: 19 Apr 2019 22:03

Tgt Ion: 77 Resp: 92696

Ion Ratio Lower Upper

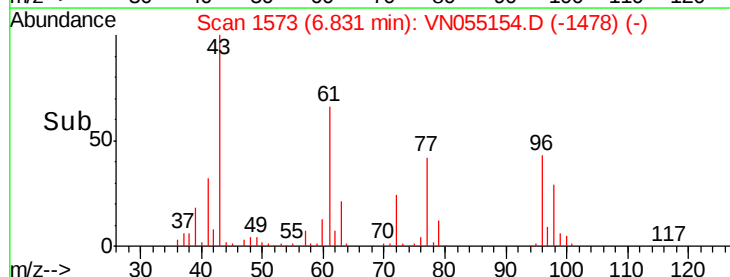
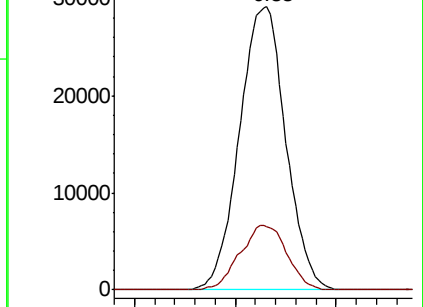
77 100

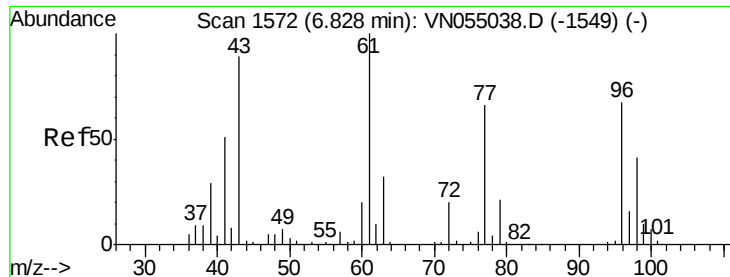
97 23.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN055038.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055038.D (-1545) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.074 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

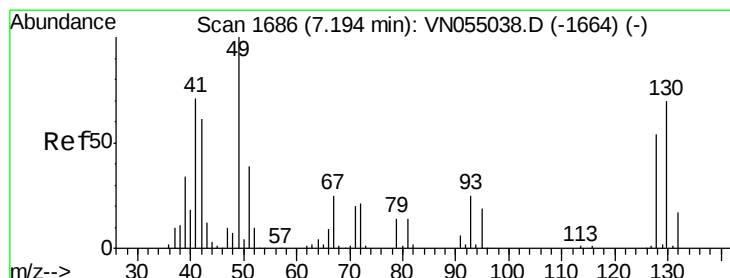
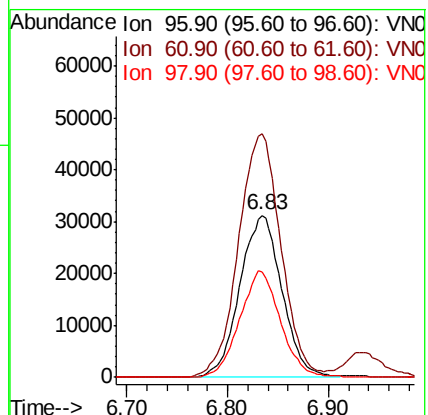
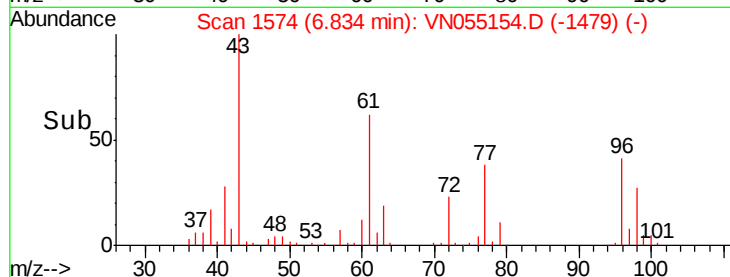
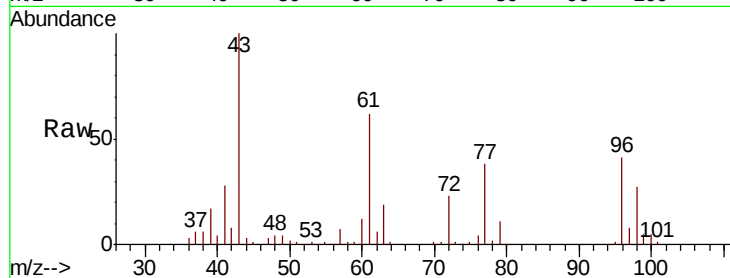
Tot Ion: 96 Resp: 90205

Ion Ratio Lower Upper

96 100

61 151.6 0.0 311.0

98 63.4 0.0 127.4



#28

Bromochloromethane

Concen: 20.796 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

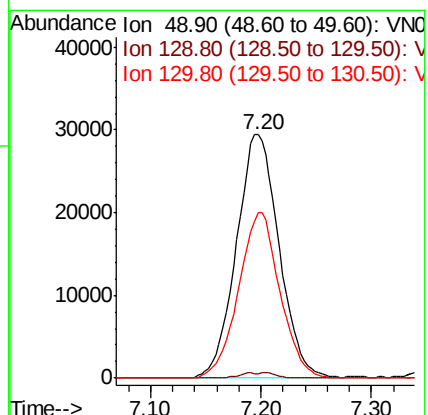
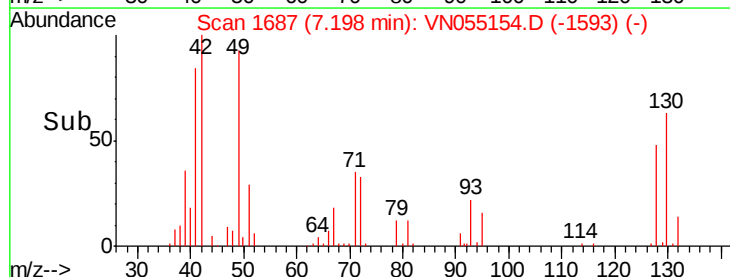
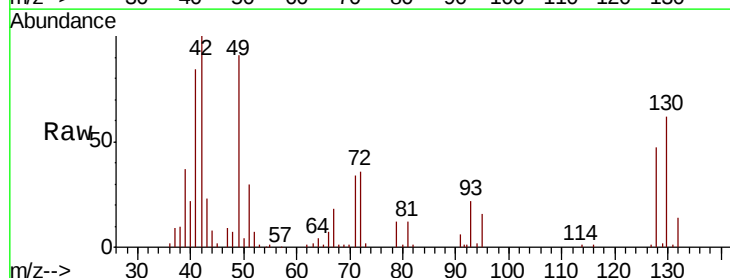
Tgt Ion: 49 Resp: 78888

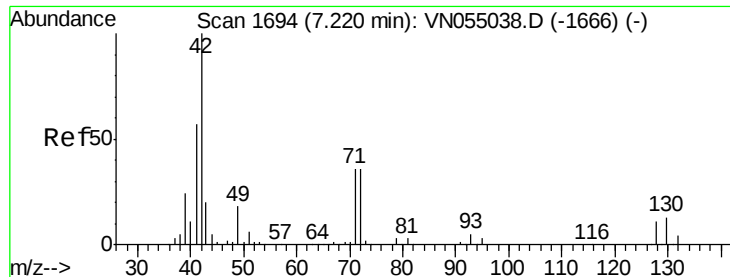
Ion Ratio Lower Upper

49 100

129 0.8 0.0 2.0

130 65.7 53.4 80.2

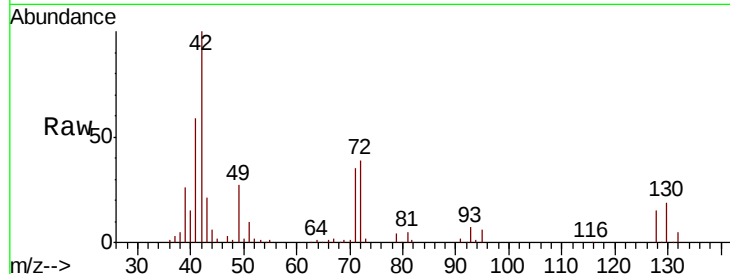




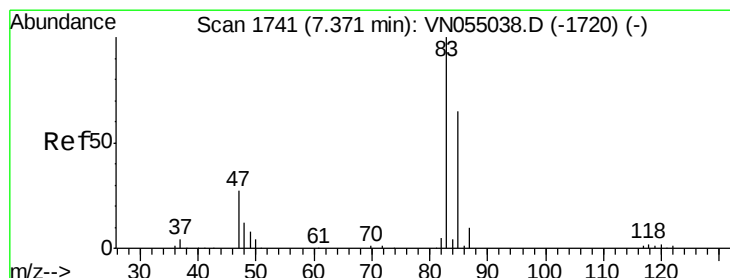
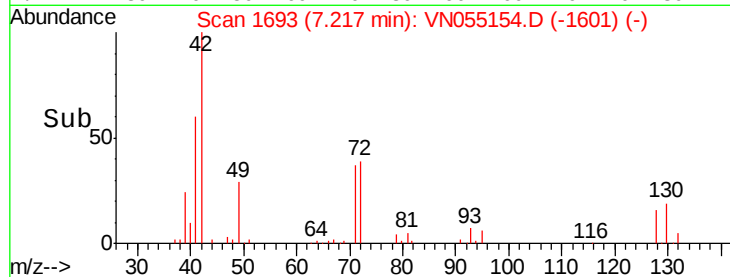
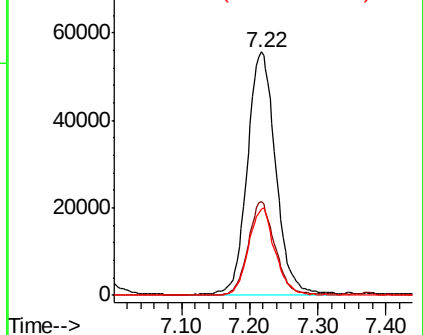
#29
Tetrahydrofuran
Concen: 122.494 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

Tot Ion: 42 Resp: 160039
Ion Ratio Lower Upper
42 100
72 36.6 29.4 44.0
71 33.6 27.8 41.6

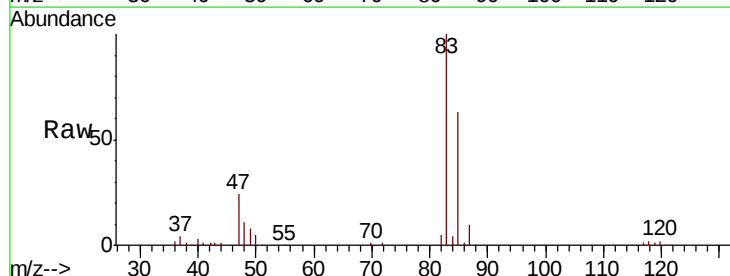


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

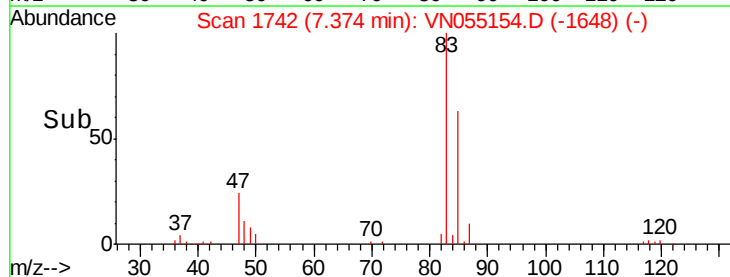
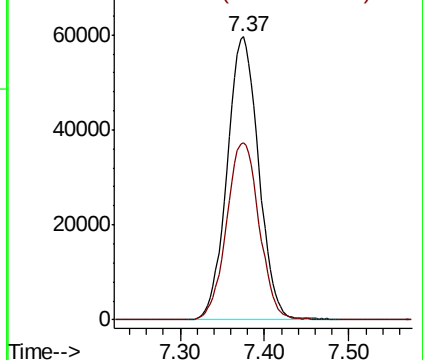


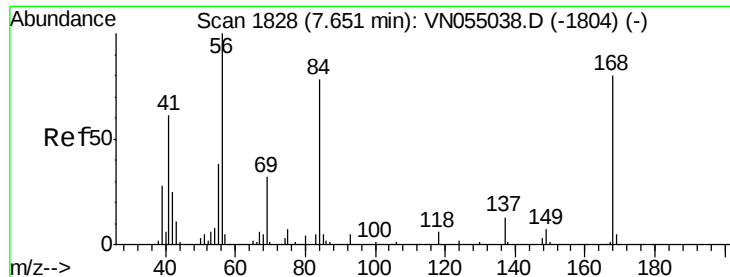
#30
Chloroform
Concen: 20.298 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 83 Resp: 155154
Ion Ratio Lower Upper
83 100
85 62.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

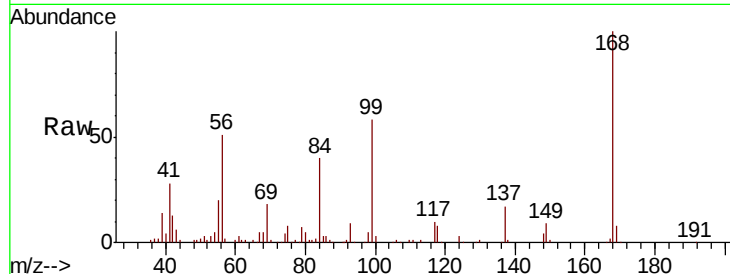




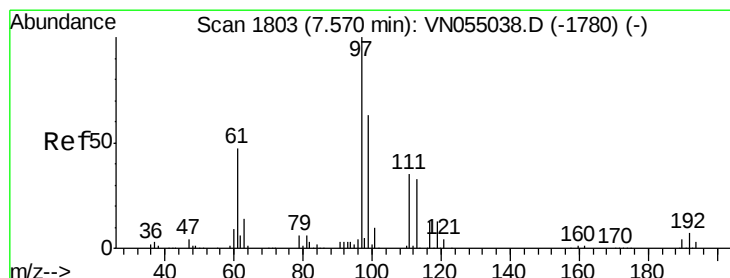
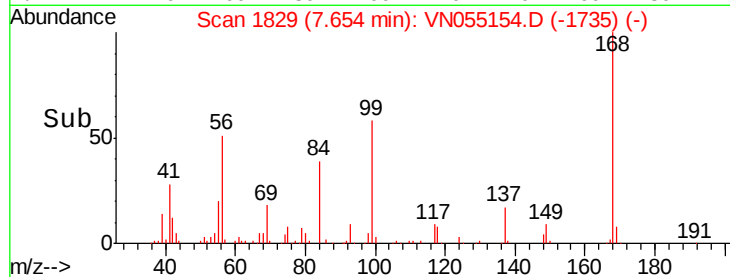
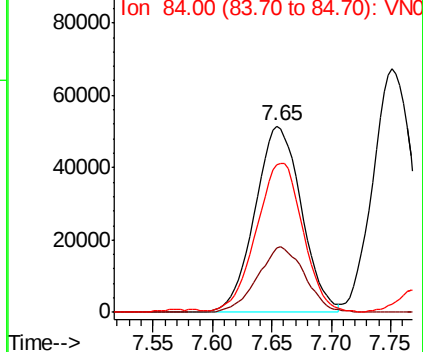
#31
Cyclohexane
Concen: 19.231 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

Tot Ion: 56 Resp: 139150
Ion Ratio Lower Upper
56 100
69 34.7 24.5 36.7
84 77.7 62.9 94.3

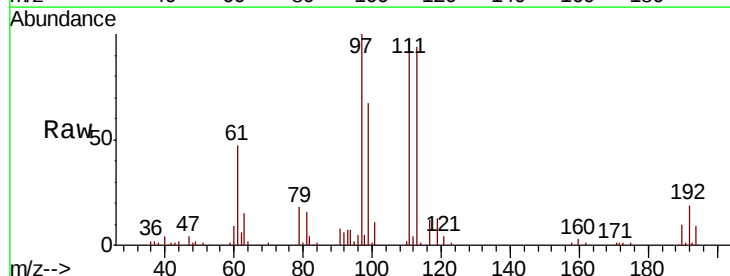


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

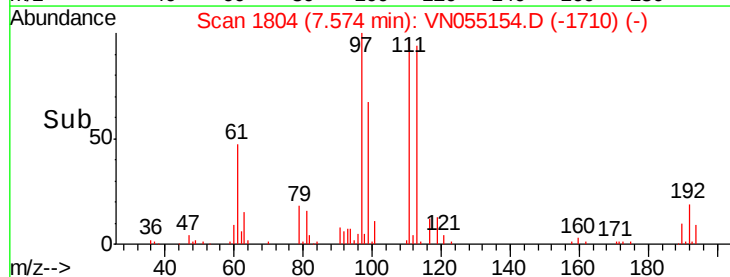
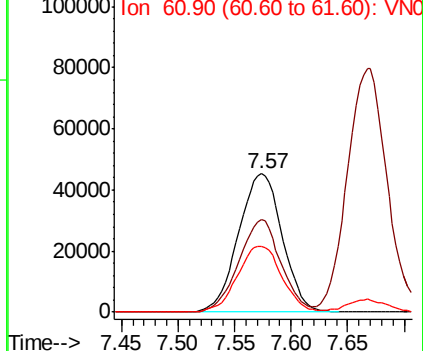


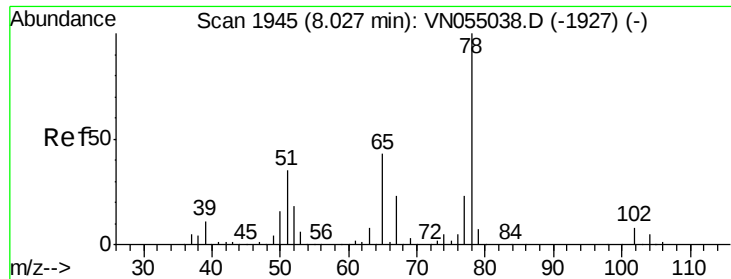
#32
1,1,1-Trichloroethane
Concen: 20.166 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 97 Resp: 122124
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 48.0 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

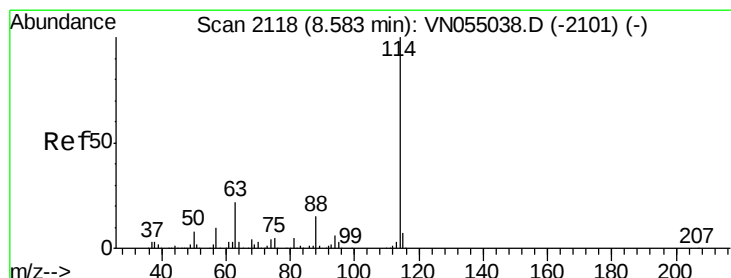
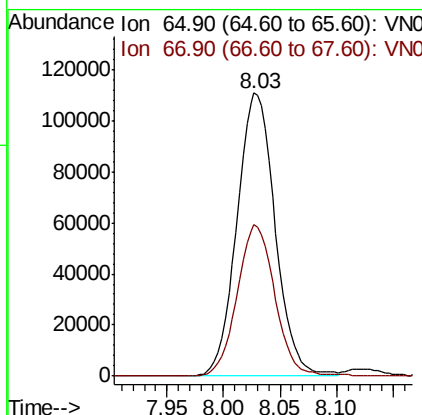
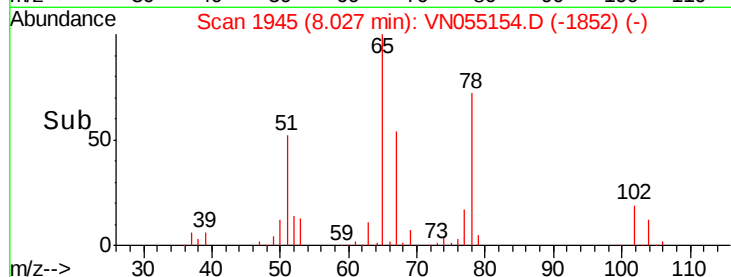
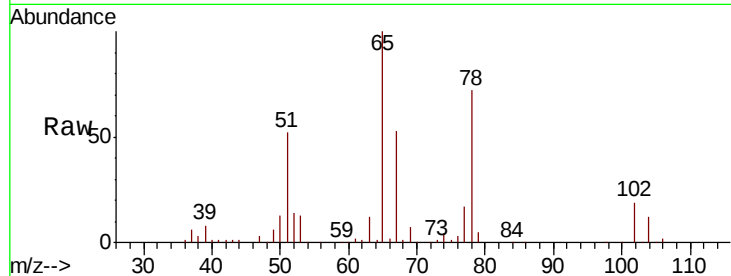




#33
 1,2-Dichloroethane-d4
 Concen: 52.940 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

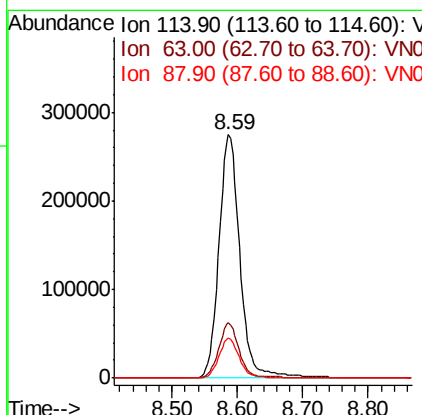
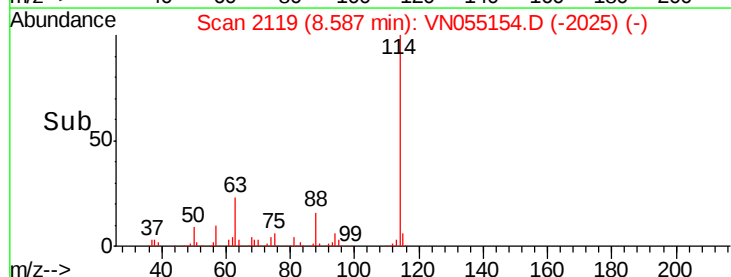
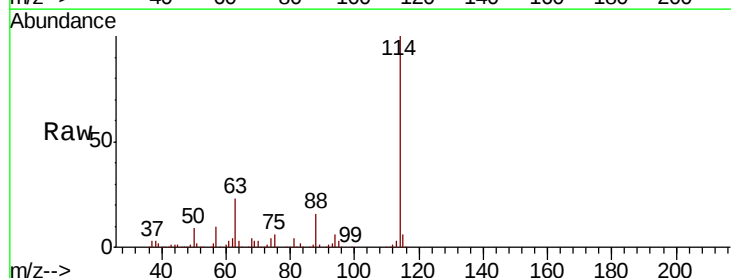
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

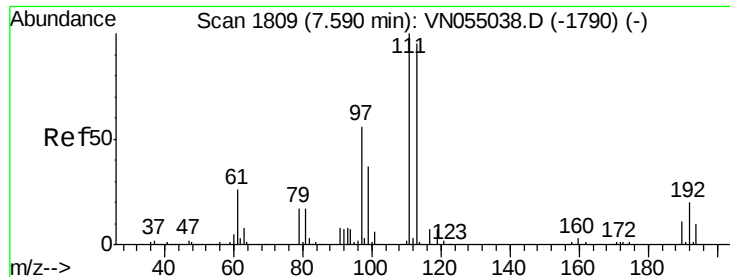
Tot Ion: 65 Resp: 260375
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 114 Resp: 614980
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 16.3 0.0 31.8

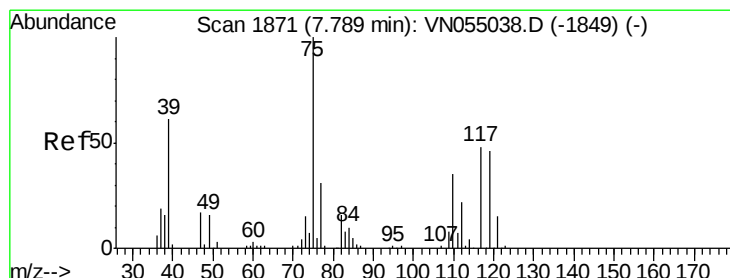
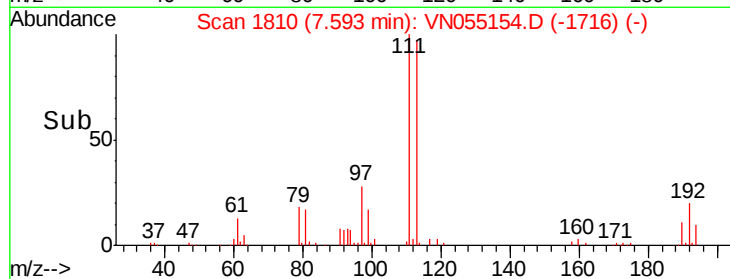
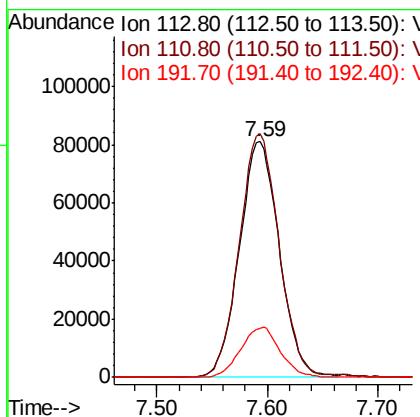
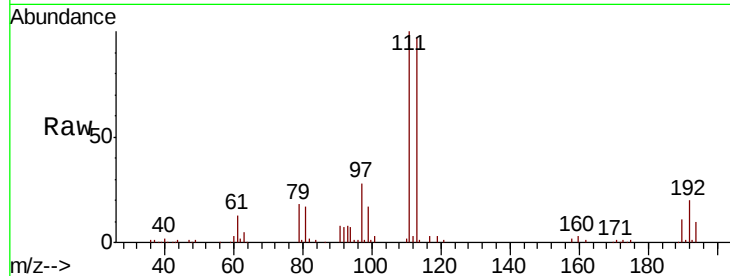




#35
 Dibromofluoromethane
 Concen: 49.536 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

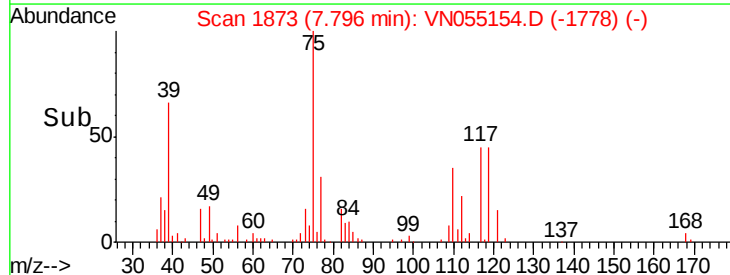
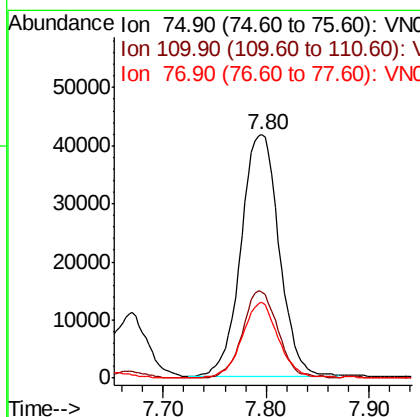
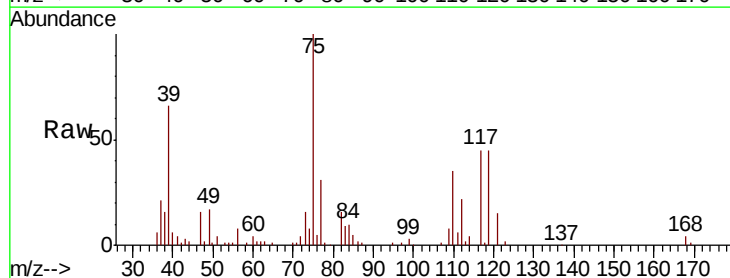
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

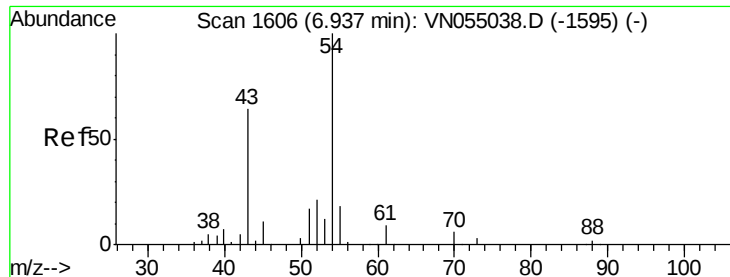
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	21.1	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 18.522 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.5
77	29.8	24.9	37.3

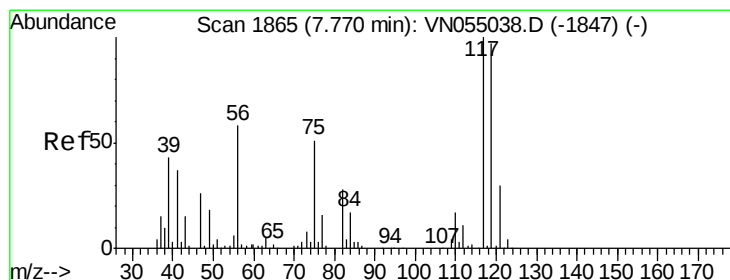
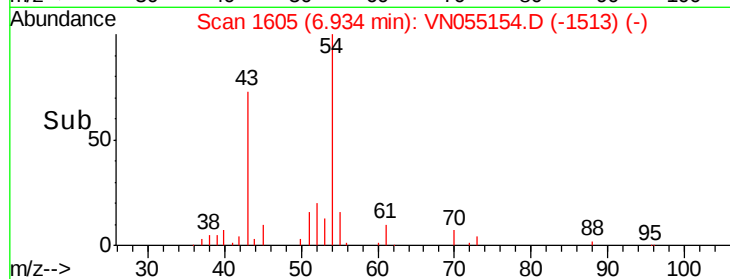
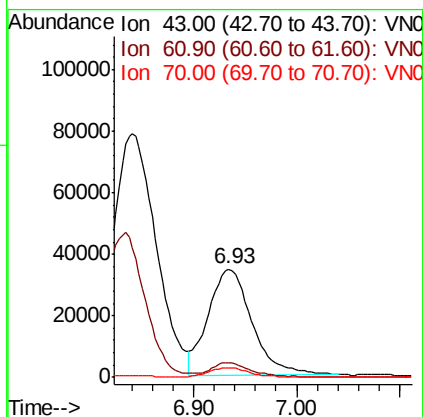
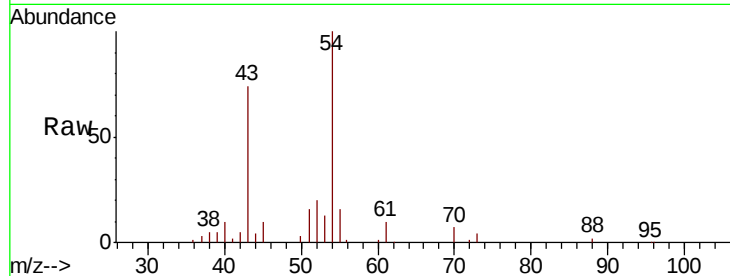




#37
Ethyl Acetate
Concen: 21.746 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

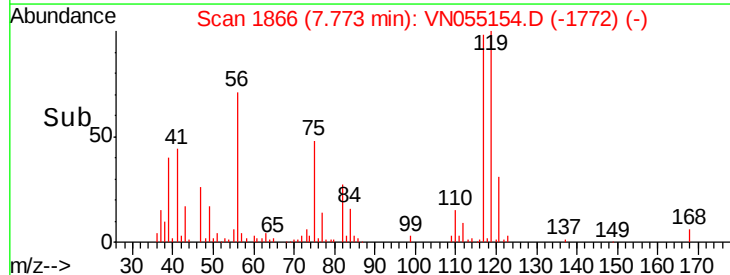
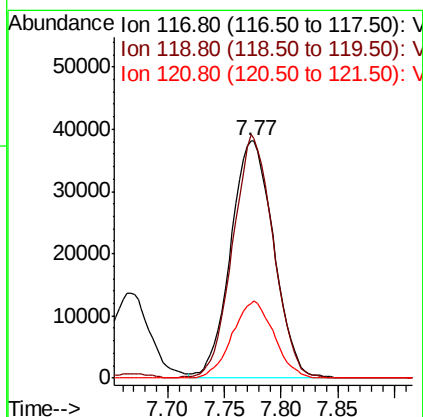
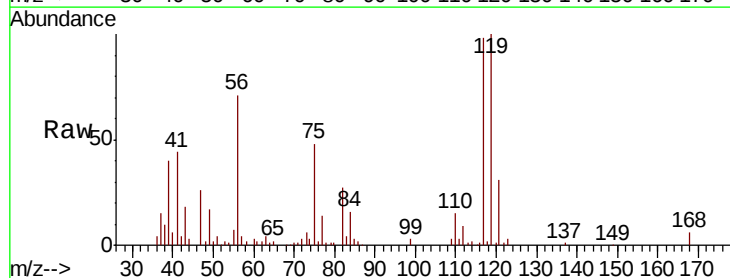
Instrument :
MSVOA_N
ClientSampleID :
VN0419WBSD02

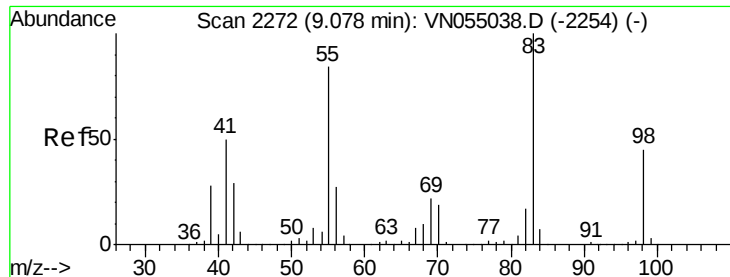
Tot Ion: 43 Resp: 102632
Ion Ratio Lower Upper
43 100
61 10.8 10.0 15.0
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.298 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 117 Resp: 100927
Ion Ratio Lower Upper
117 100
119 102.4 76.3 114.5
121 31.6 23.9 35.9

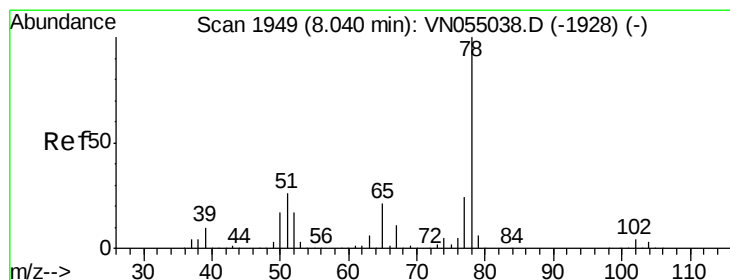
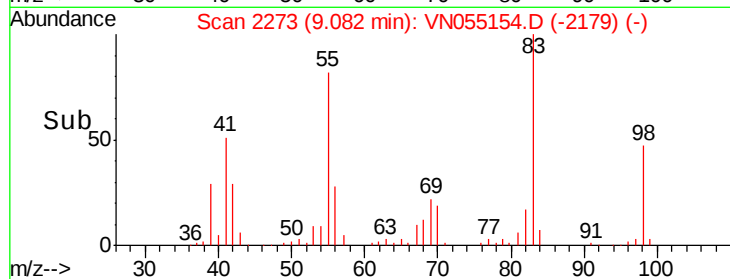
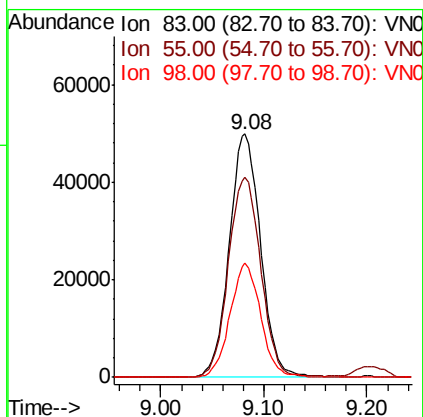
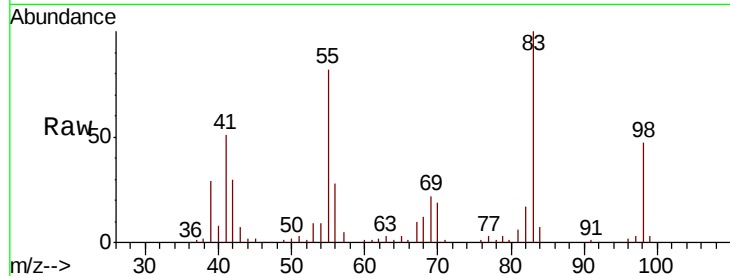




#39
Methvlcvclohexane
Concen: 16.810 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

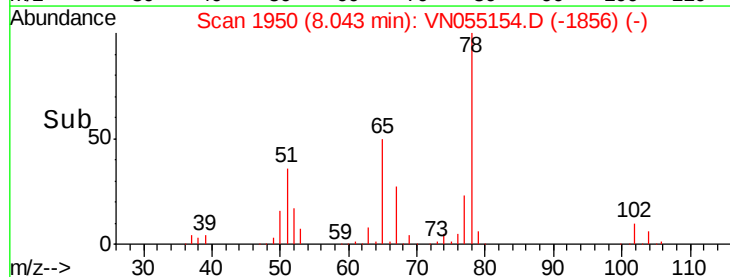
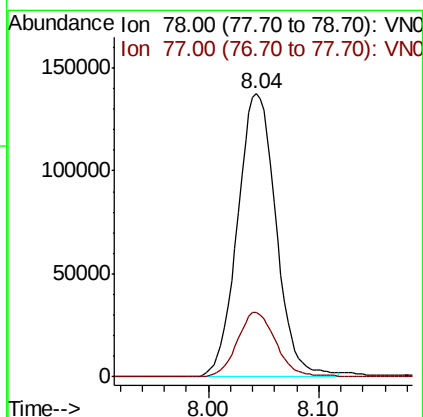
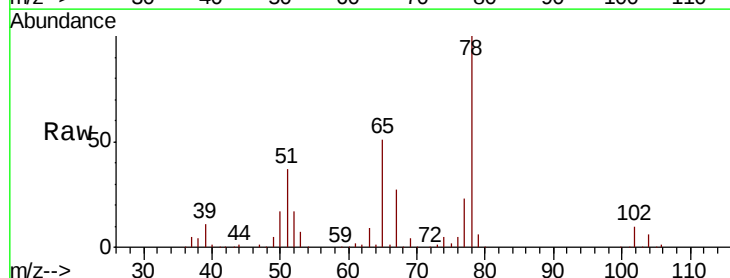
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

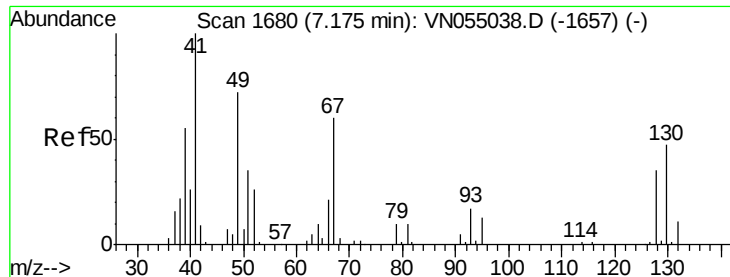
Tot Ion: 83 Resp: 105606
Ion Ratio Lower Upper
83 100
55 82.2 67.0 100.4
98 46.8 35.6 53.4



#40
Benzene
Concen: 19.089 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 78 Resp: 333535
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

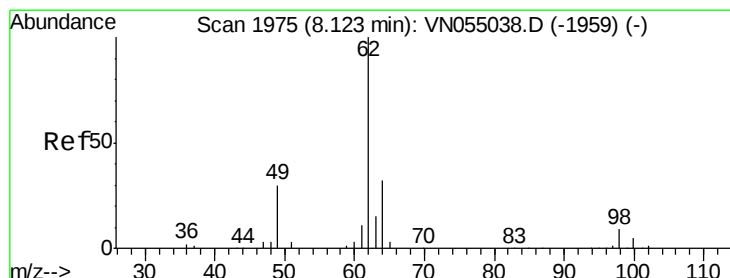
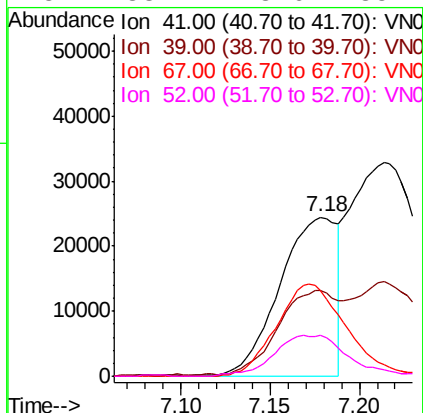
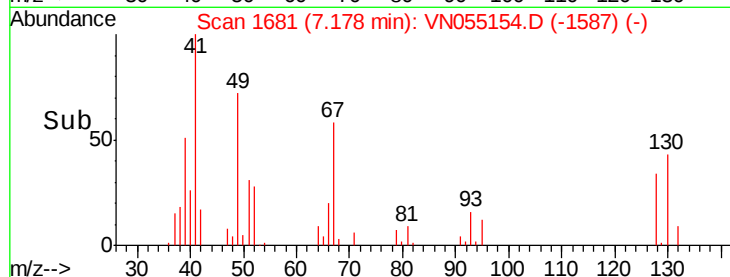
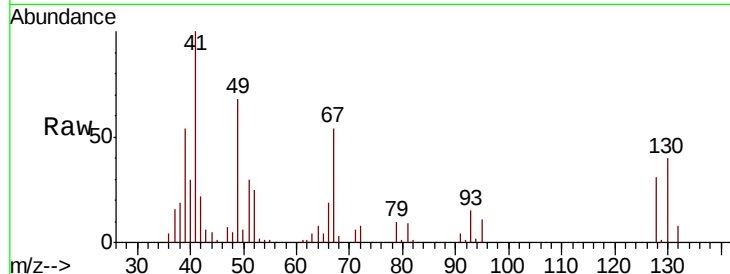




#41
Methacrylonitrile
Concen: 20.910 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

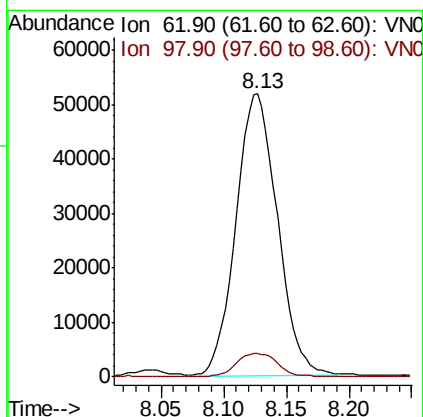
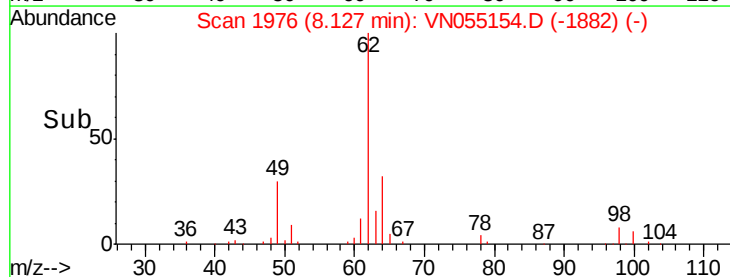
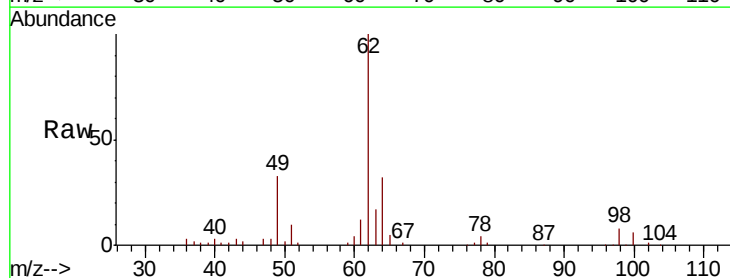
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

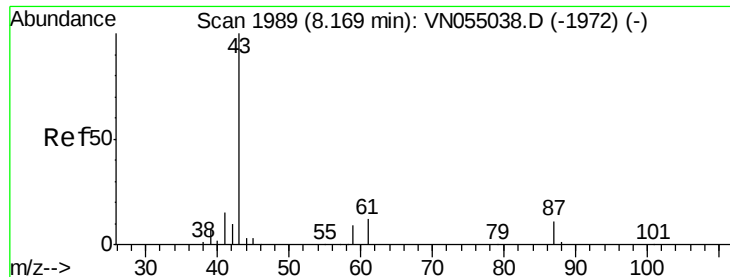
Tot Ion:	41	Resp:	54781
Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.6	68.4
67	71.6	57.0	85.6
52	33.2	23.6	35.4



#42
1,2-Dichloroethane
Concen: 19.638 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:	62	Resp:	119134
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 23.910 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

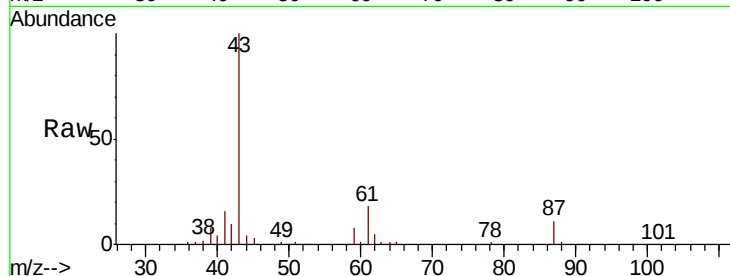
Tot Ion: 43 Resp: 173886

Ion Ratio Lower Upper

43 100

61 17.8 14.3 21.5

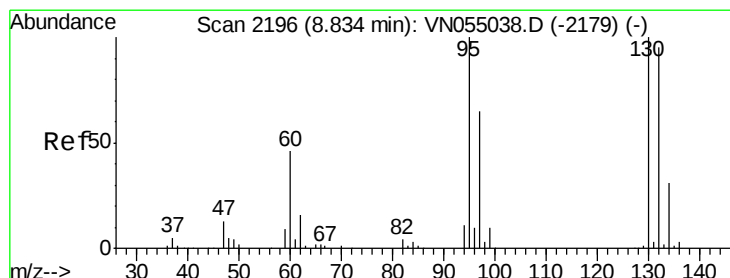
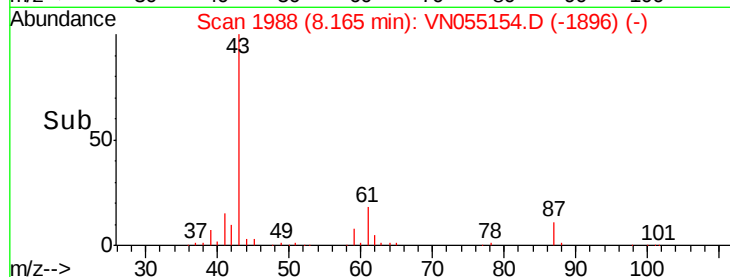
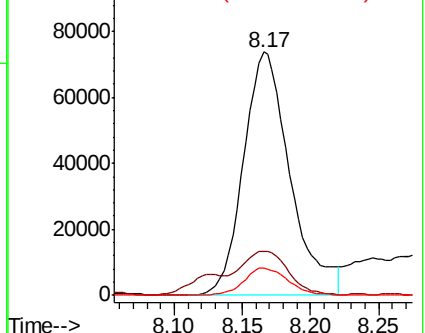
87 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055038.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1972) (-)



#44

Trichloroethene

Concen: 19.137 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055154.D

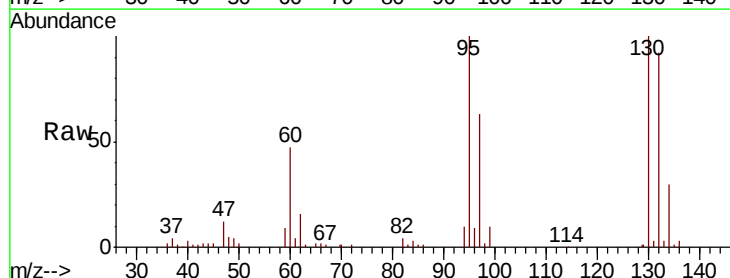
Acq: 19 Apr 2019 22:03

Tgt Ion:130 Resp: 83753

Ion Ratio Lower Upper

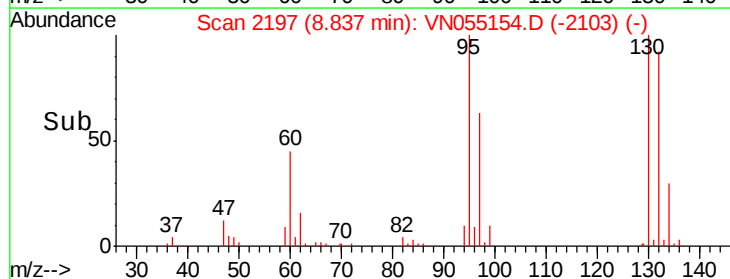
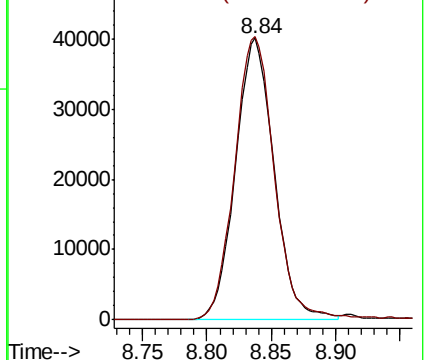
130 100

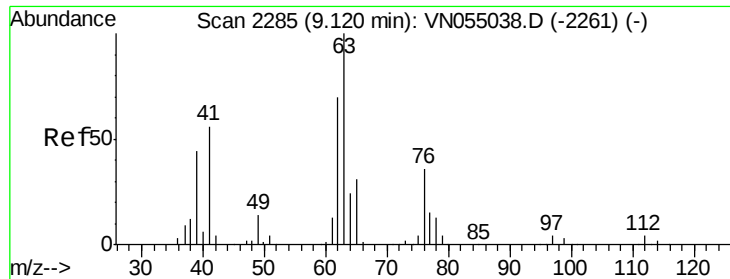
95 100.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055038.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055038.D (-2179) (-)

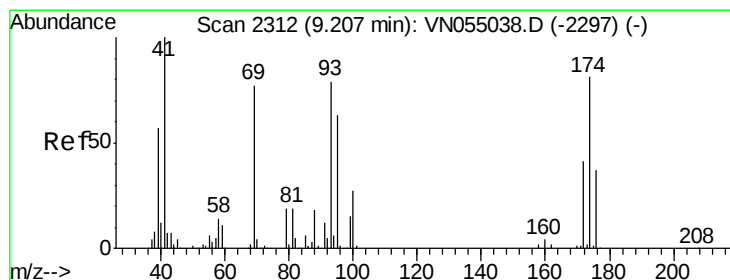
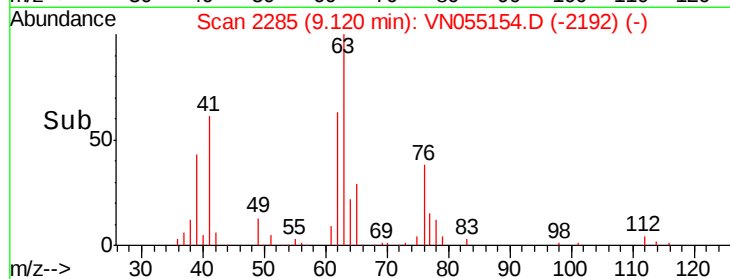
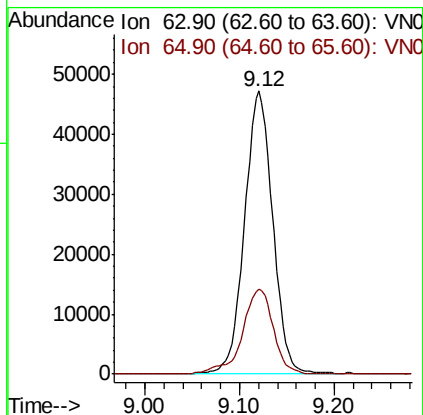
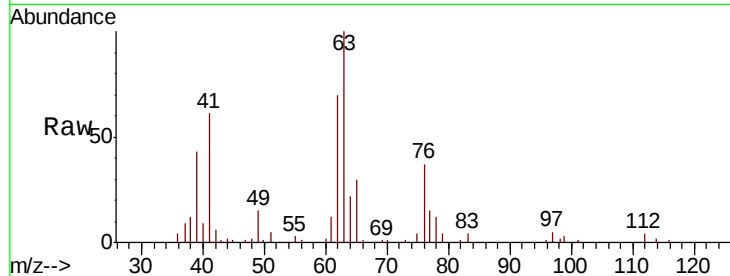




#45
 1,2-Dichloropropane
 Concen: 20.093 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

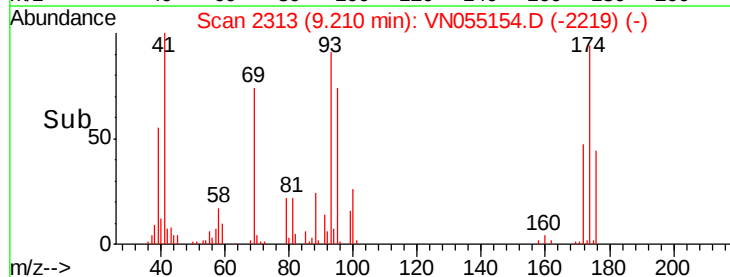
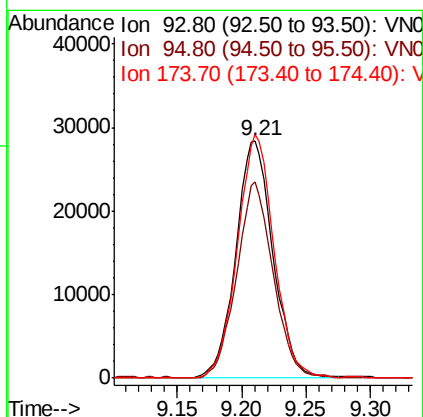
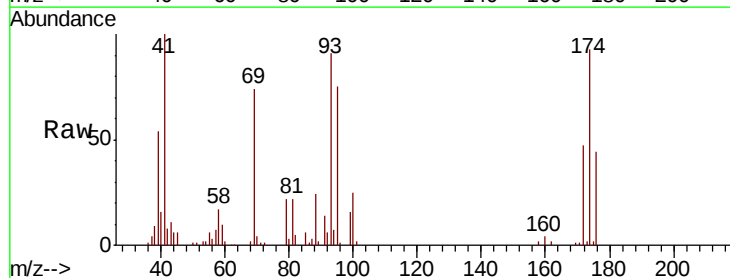
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0419WBSD02

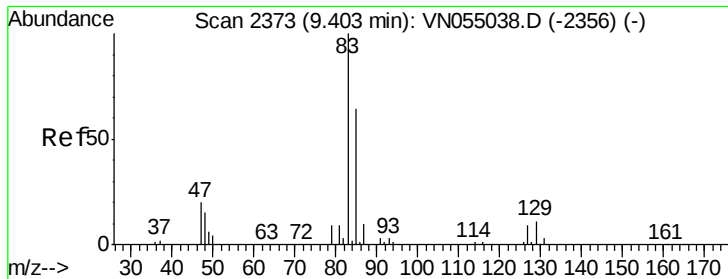
Tot Ion: 63 Resp: 97911
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6



#46
 Dibromomethane
 Concen: 20.562 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 93 Resp: 57031
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.0 97.6
 174 101.0 81.0 121.6





#47

Bromodichloromethane

Concen: 20.051 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

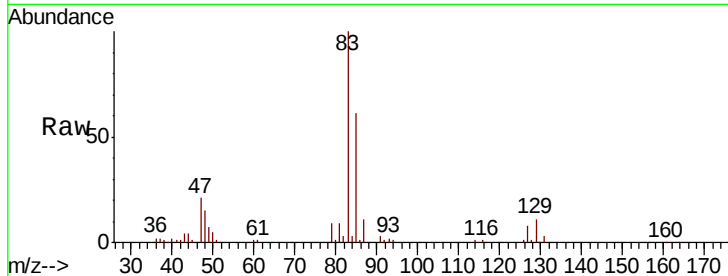
Tot Ion: 83 Resp: 114659

Ion Ratio Lower Upper

83 100

85 61.3 51.2 76.8

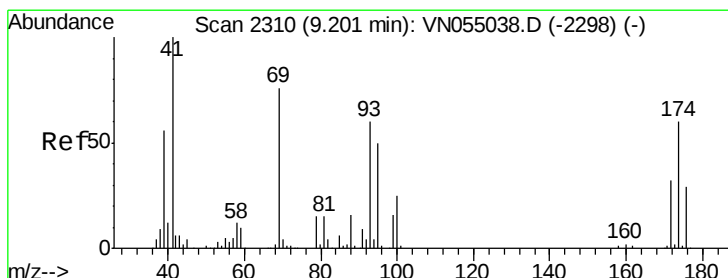
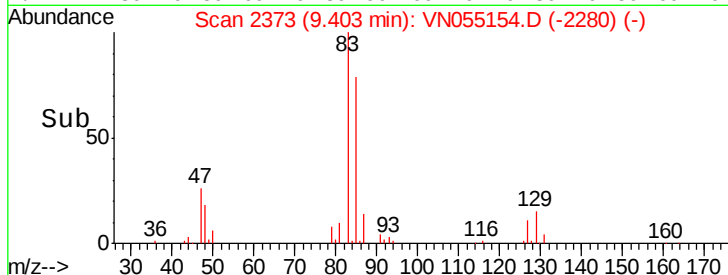
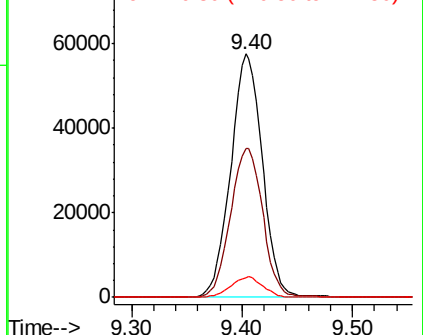
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.922 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

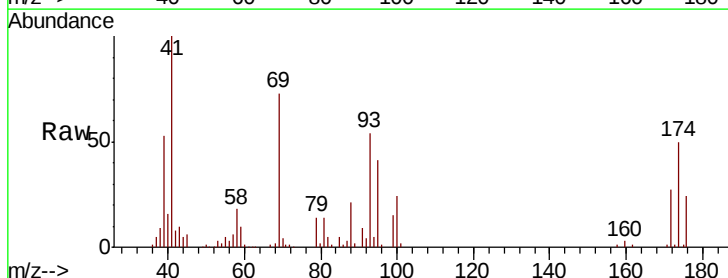
Tgt Ion: 41 Resp: 79020

Ion Ratio Lower Upper

41 100

69 75.4 60.5 90.7

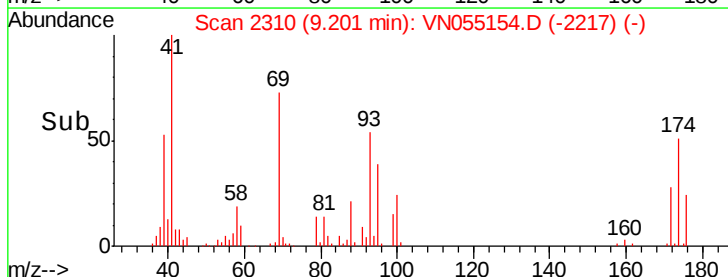
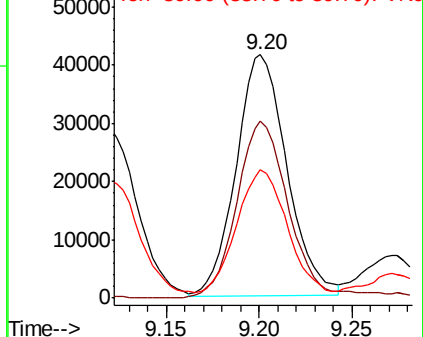
39 52.8 43.9 65.9

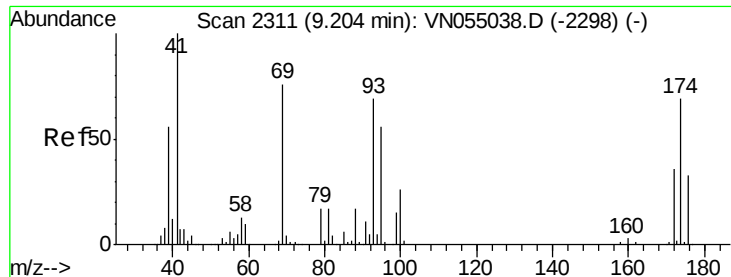


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 556.187 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

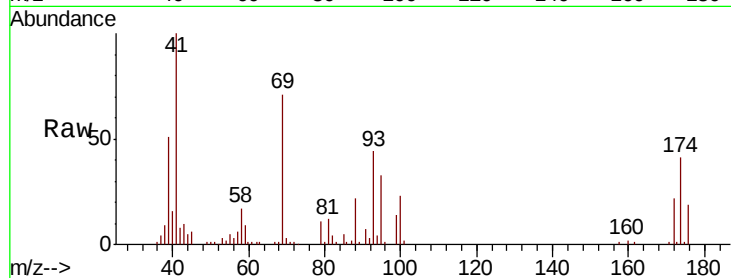
Tot Ion: 88 Resp: 18783

Ion Ratio Lower Upper

88 100

43 39.4 31.8 47.8

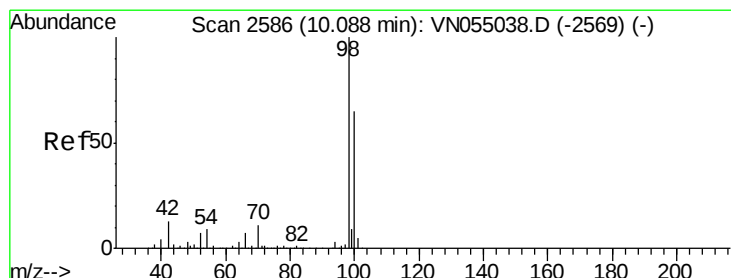
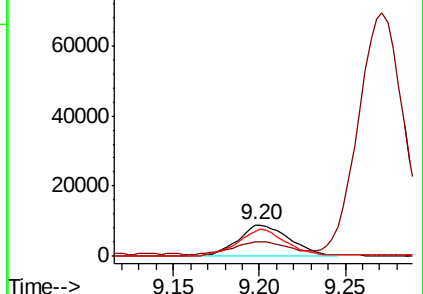
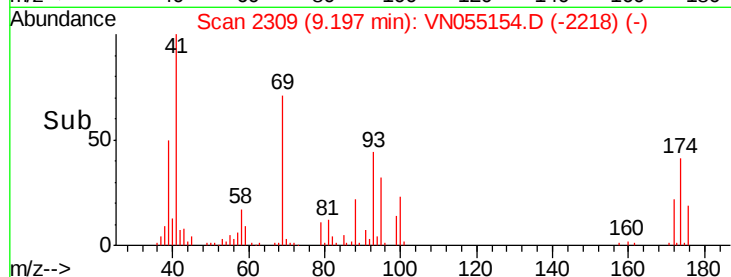
58 80.1 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.416 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055154.D

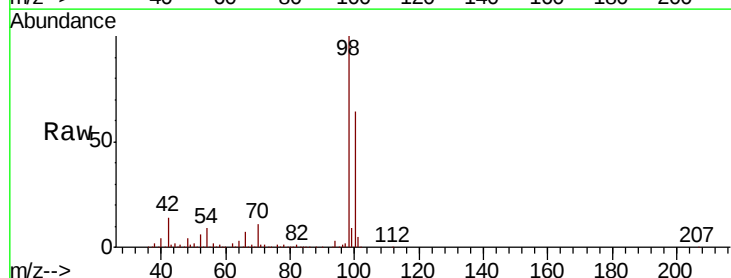
Acq: 19 Apr 2019 22:03

Tgt Ion: 98 Resp: 726901

Ion Ratio Lower Upper

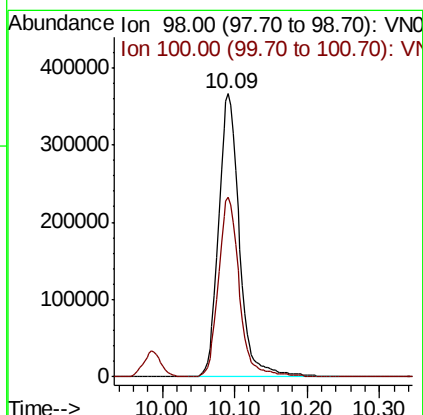
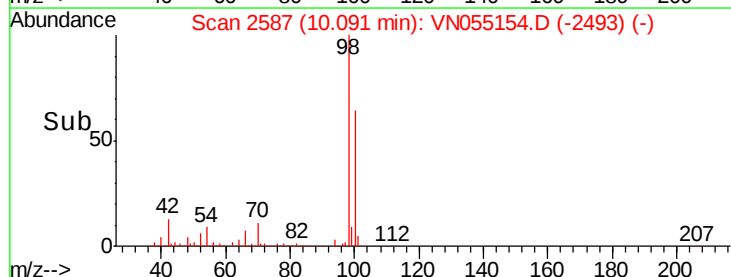
98 100

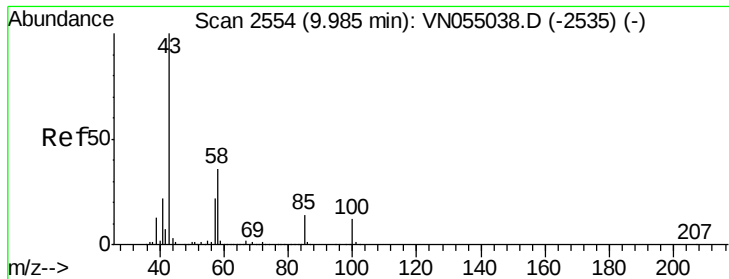
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 117.852 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

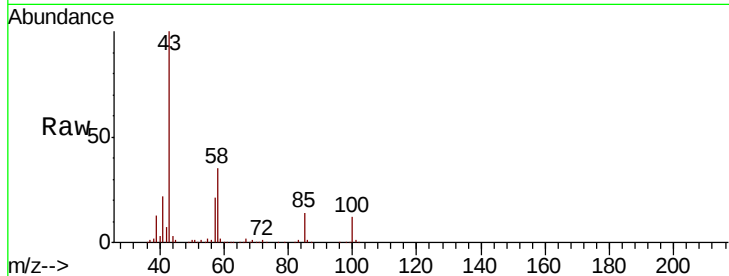
VN0419WBSD02

Tot Ion: 43 Resp: 495150

Ion Ratio Lower Upper

43 100

58 35.0 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)

9.99

250000

200000

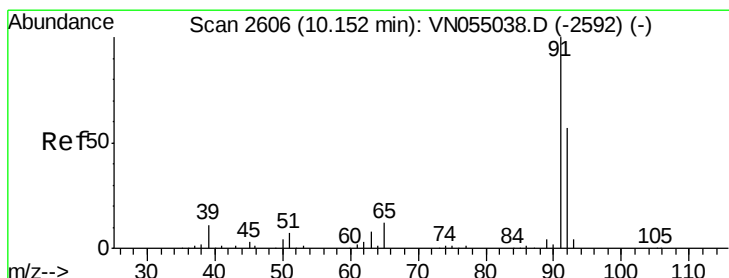
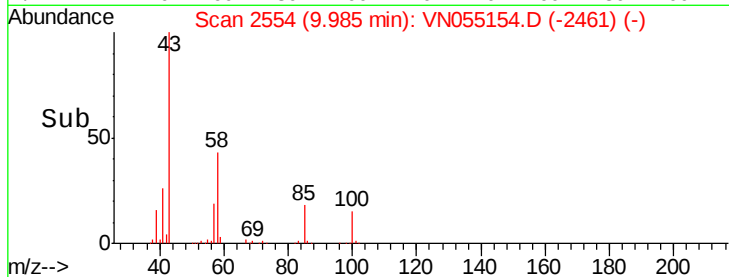
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.457 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055154.D

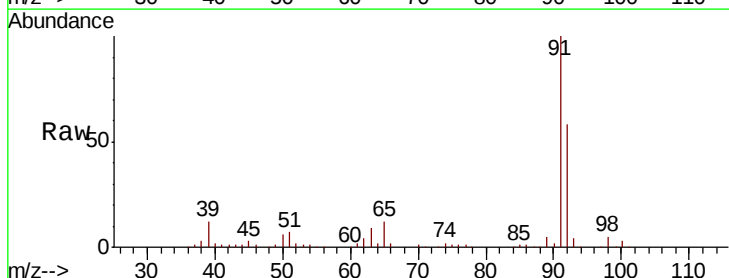
Acq: 19 Apr 2019 22:03

Tgt Ion: 92 Resp: 194711

Ion Ratio Lower Upper

92 100

91 176.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055038.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN055038.D (-2592) (-)

200000

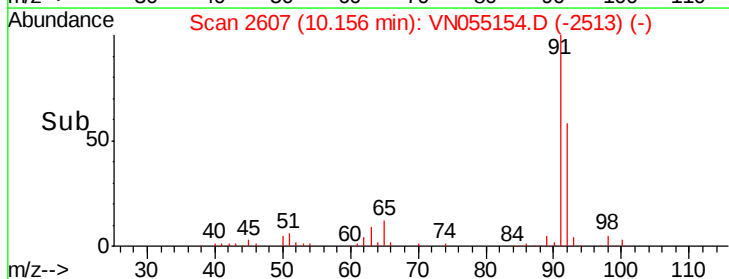
150000

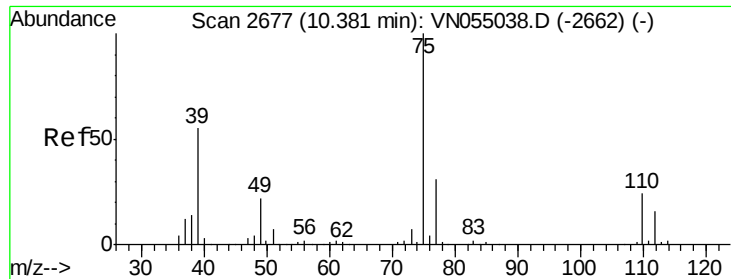
100000

50000

0

Time-->

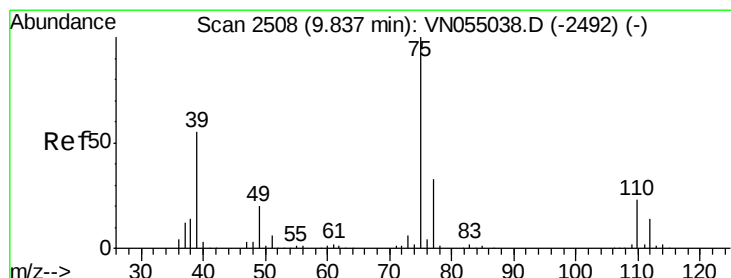
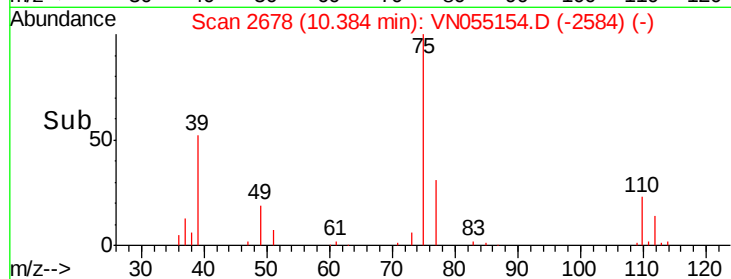
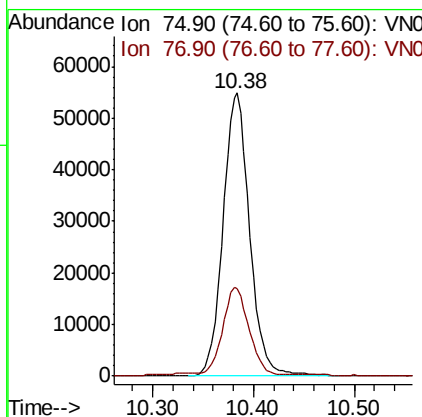
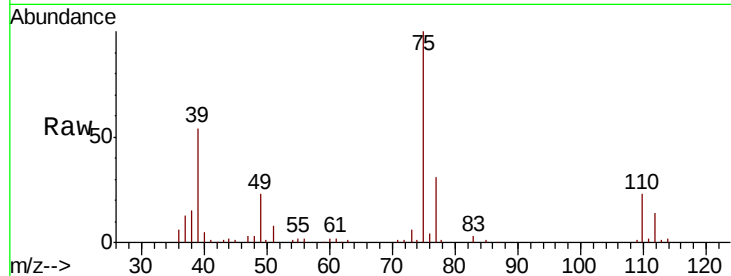




#53
 t-1,3-Dichloropropene
 Concen: 20.197 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

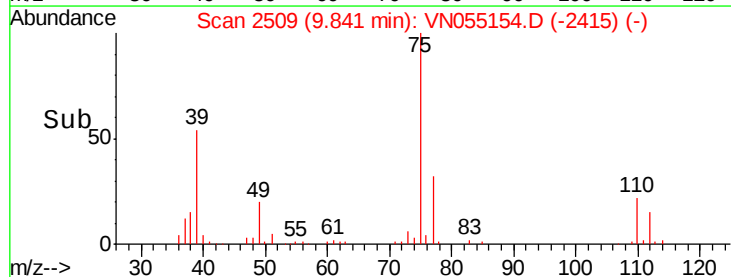
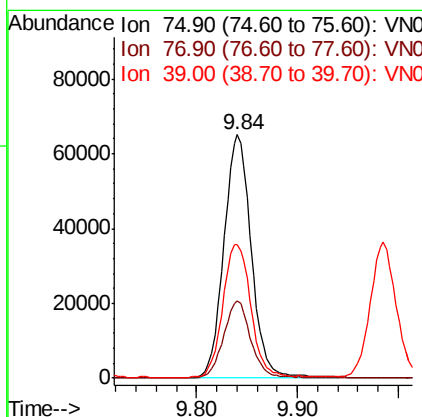
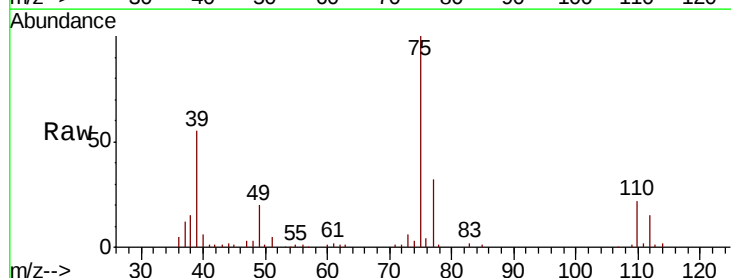
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

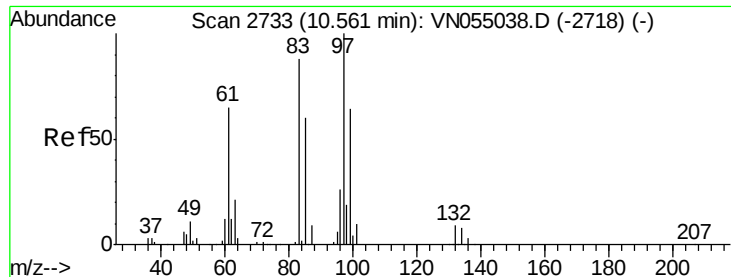
Tot Ion: 75 Resp: 100929
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.963 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 75 Resp: 123816
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6
 39 54.3 43.8 65.8



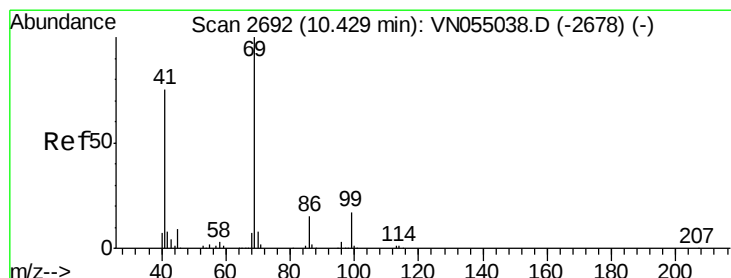
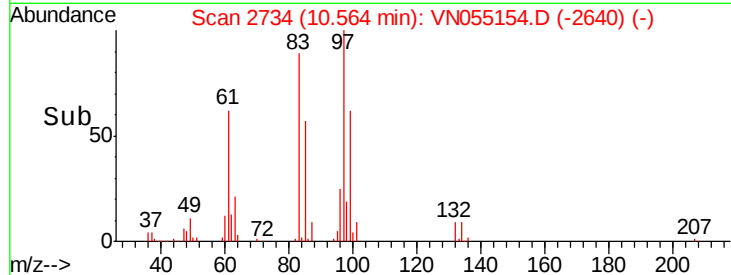
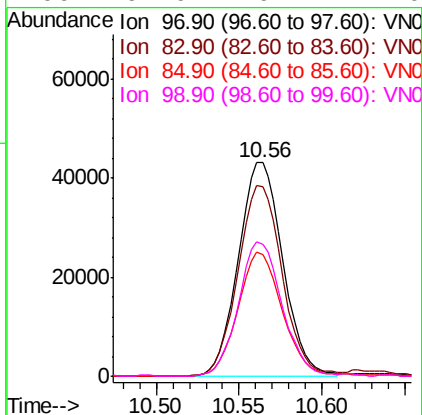
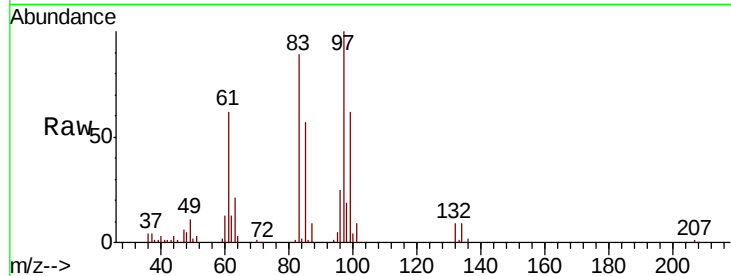


#55
 1,1,2-Trichloroethane
 Concen: 20.807 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

Tot Ion: 97 Resp: 80222

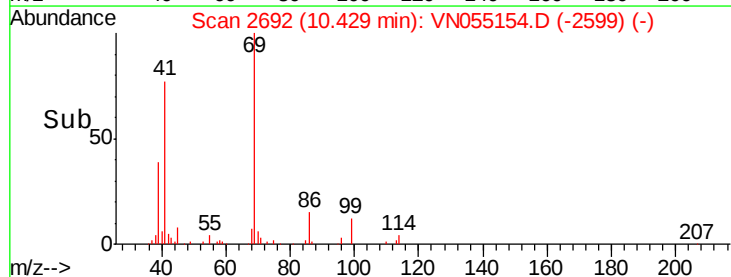
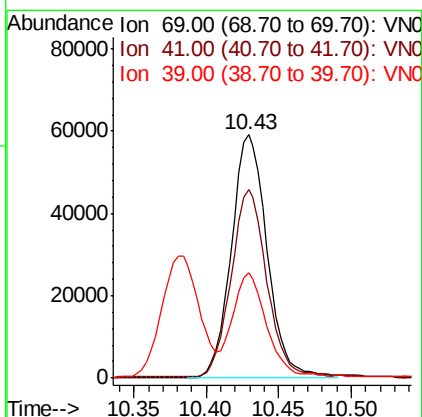
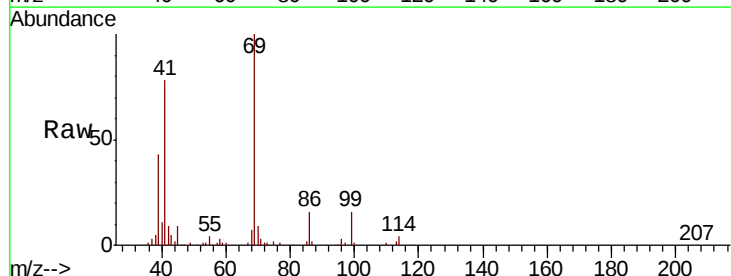
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.5	105.7
85	56.9	45.5	68.3
99	61.9	49.4	74.0

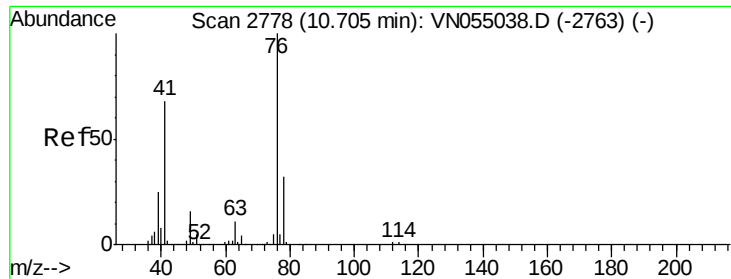


#56
 Ethyl methacrylate
 Concen: 21.940 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 69 Resp: 101520

Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.4	92.0
39	40.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.725 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

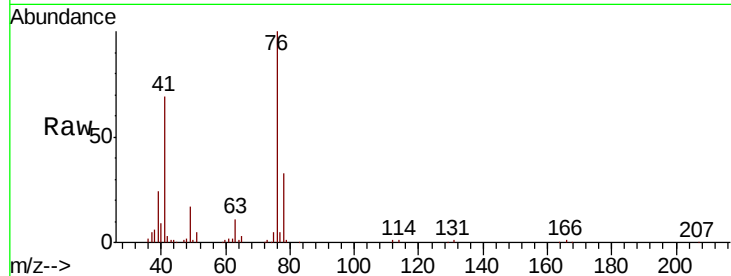
VN0419WBSD02

Tot Ion: 76 Resp: 136047

Ion Ratio Lower Upper

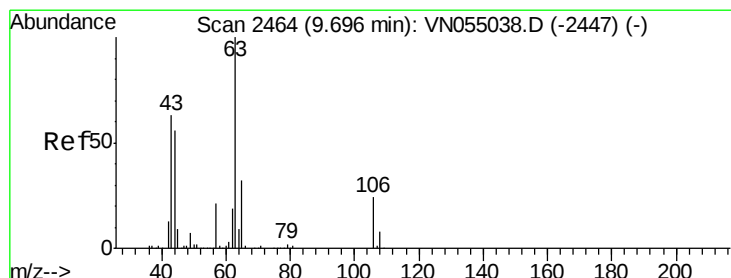
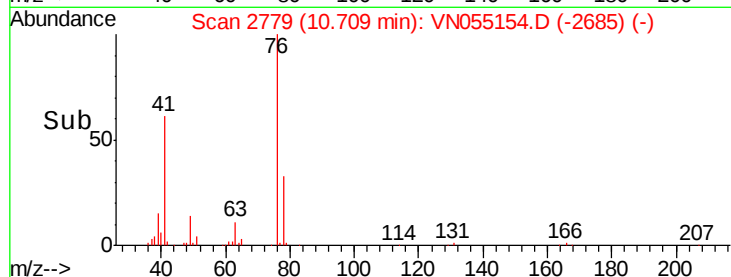
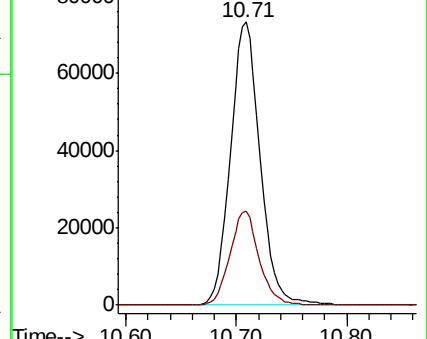
76 100

78 32.6 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: 93.318 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055154.D

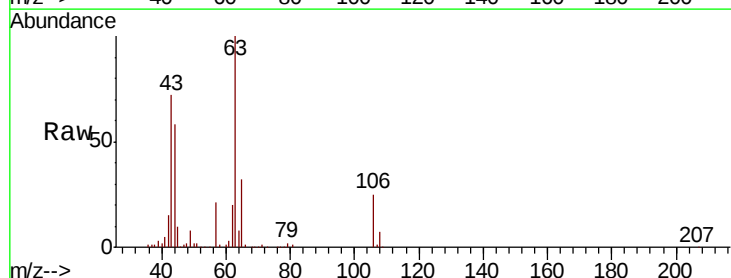
Acq: 19 Apr 2019 22:03

Tgt Ion: 63 Resp: 175365

Ion Ratio Lower Upper

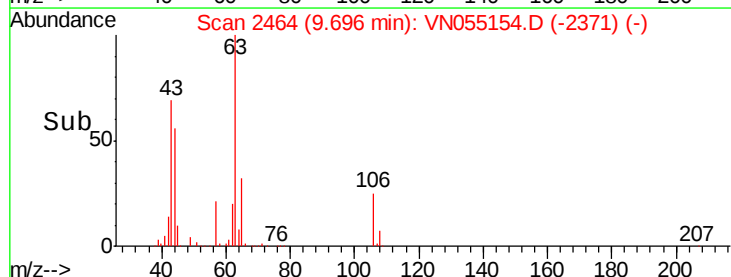
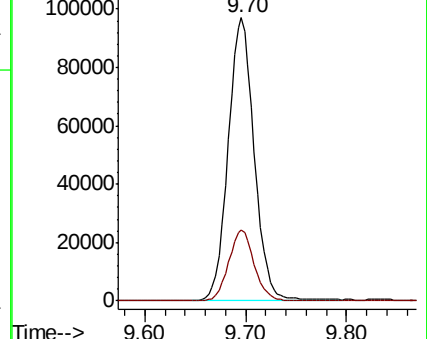
63 100

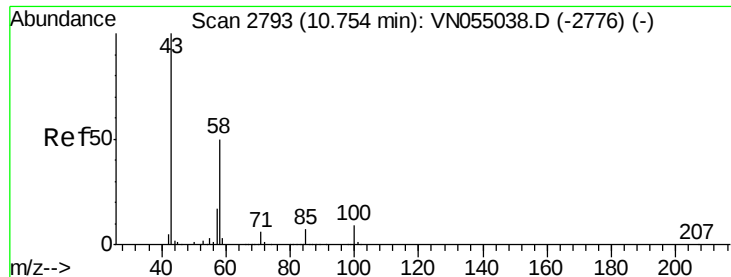
106 24.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

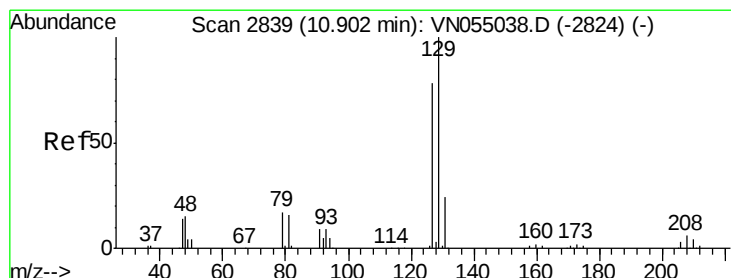
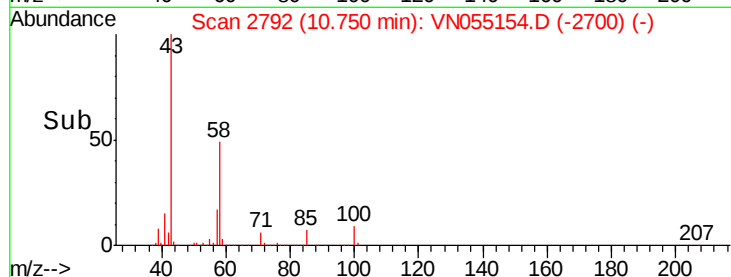
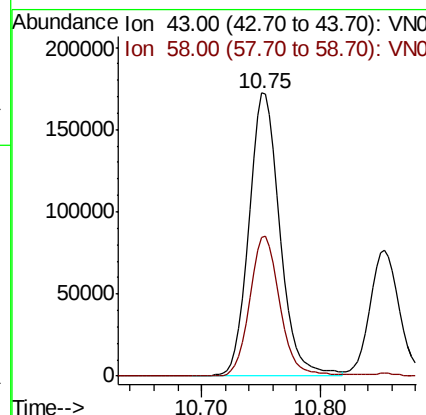
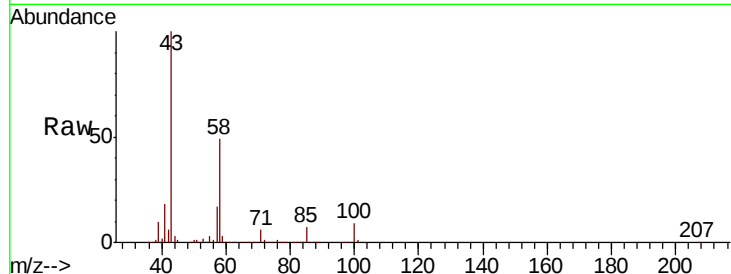




#59
2-Hexanone
Concen: 116.980 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

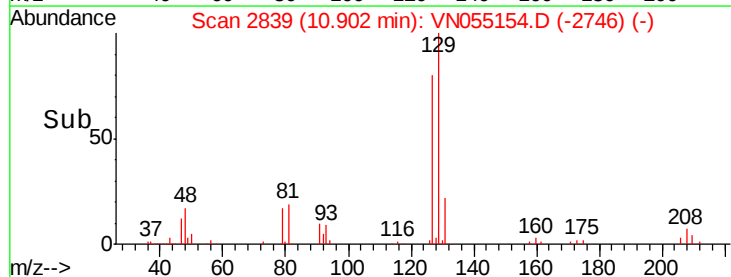
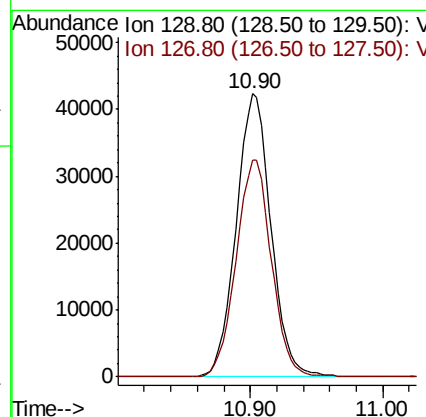
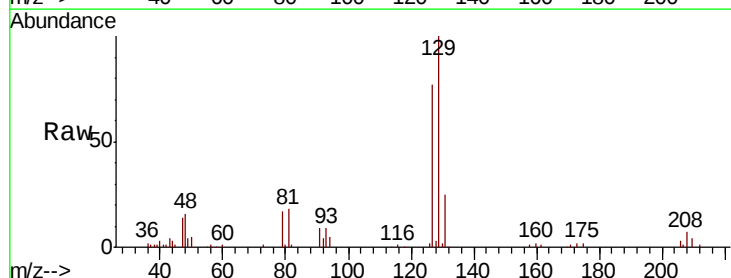
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

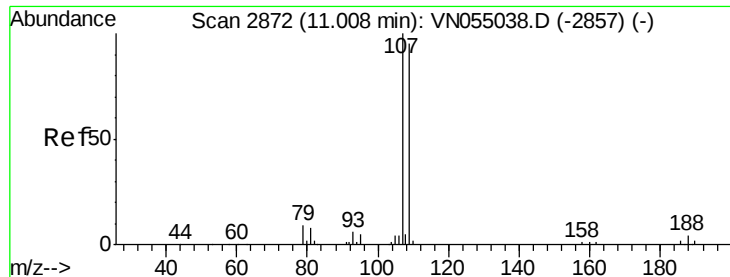
Tot Ion: 43 Resp: 308700
Ion Ratio Lower Upper
43 100
58 48.5 25.1 75.2



#60
Dibromochloromethane
Concen: 20.438 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:129 Resp: 76947
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.227 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

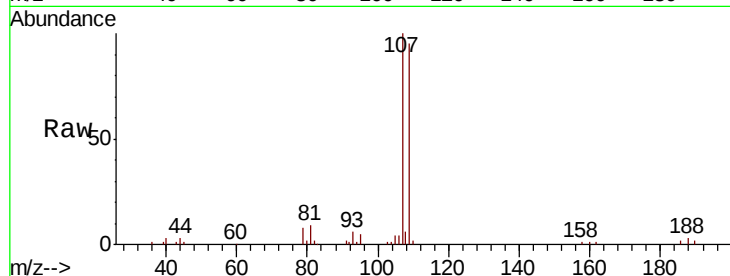
VN0419WBSD02

Tot Ion:107 Resp: 75328

Ion Ratio Lower Upper

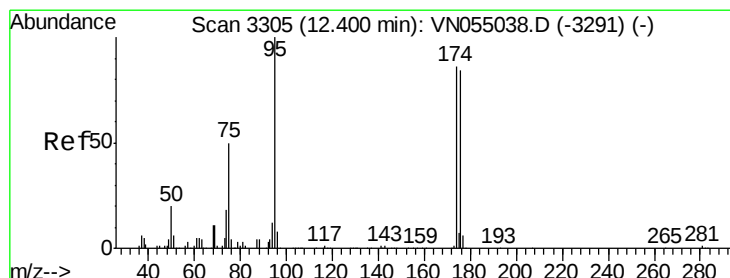
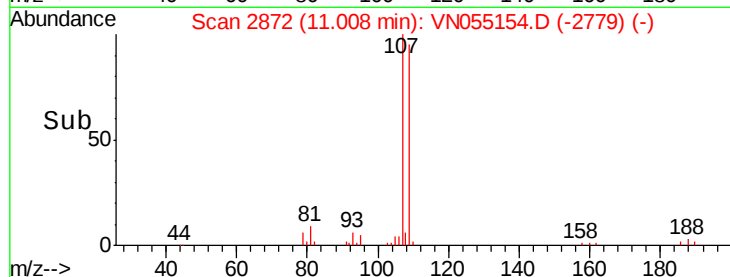
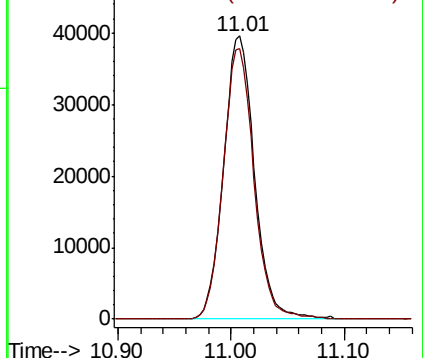
107 100

109 95.0 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.834 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

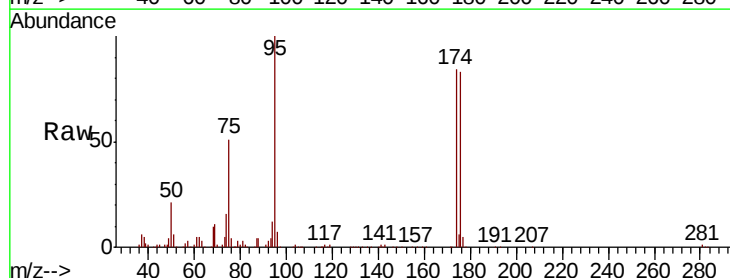
Tgt Ion: 95 Resp: 233532

Ion Ratio Lower Upper

95 100

174 84.0 0.0 174.4

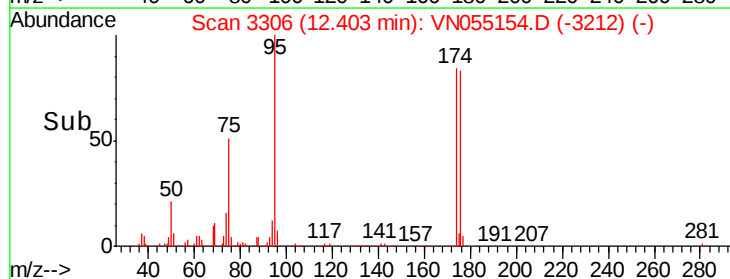
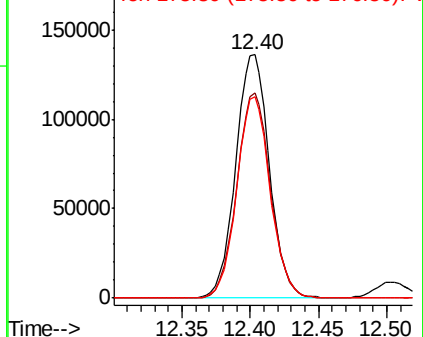
176 82.0 0.0 166.8

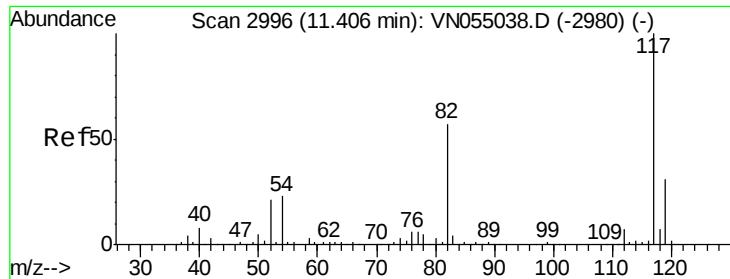


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

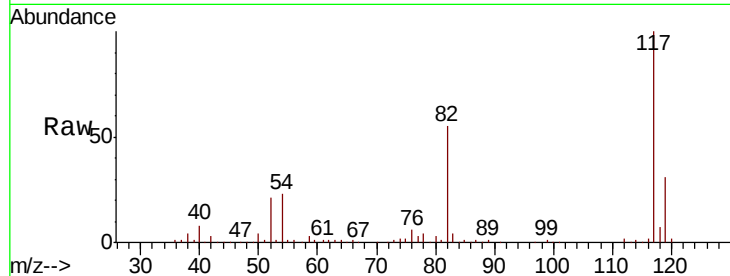




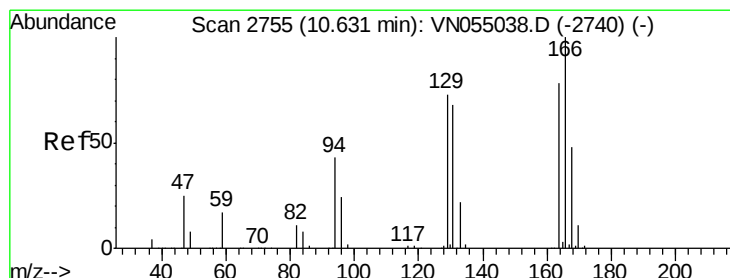
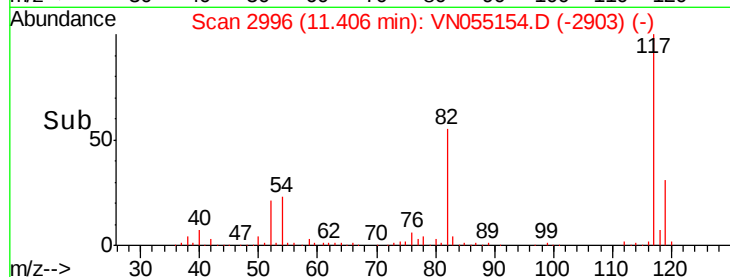
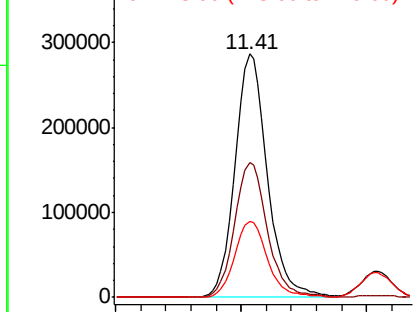
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

Tot Ion:117 Resp: 514126
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.1 25.5 38.3

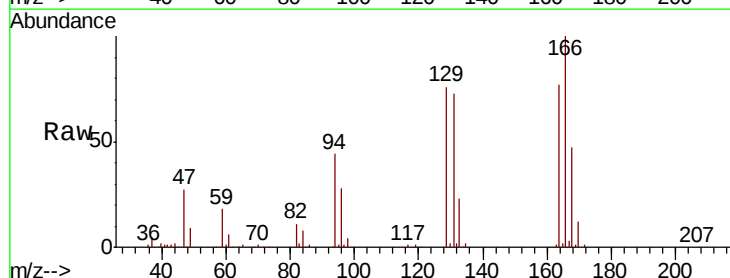


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

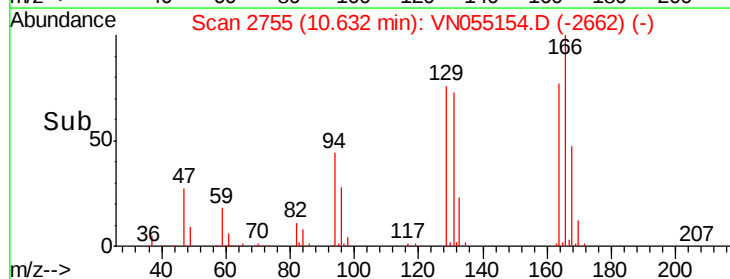
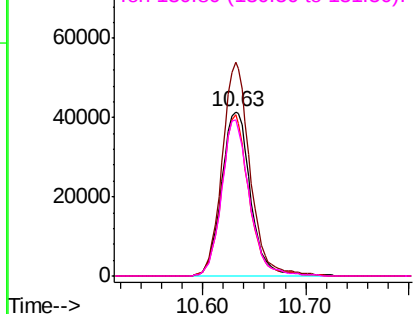


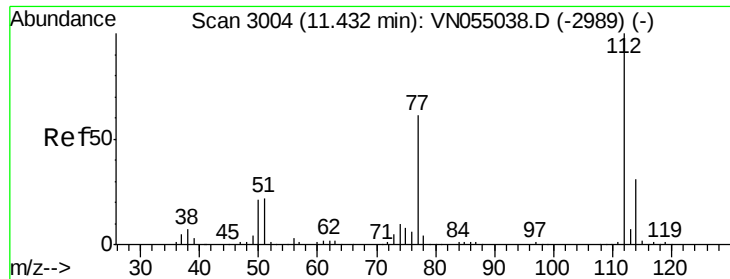
#64
Tetrachloroethene
Concen: 19.379 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:164 Resp: 81017
Ion Ratio Lower Upper
164 100
166 129.8 100.0 150.0
129 98.3 72.0 108.0
131 94.9 69.7 104.5



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

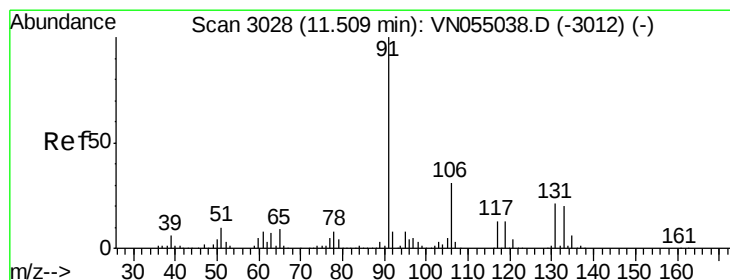
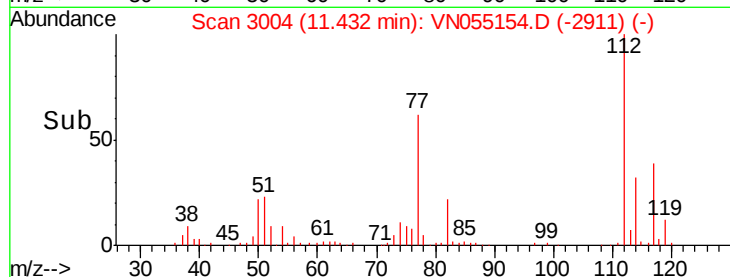
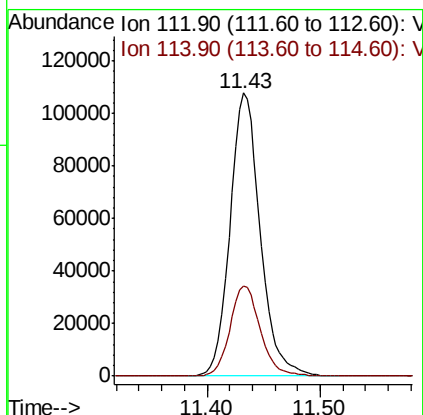
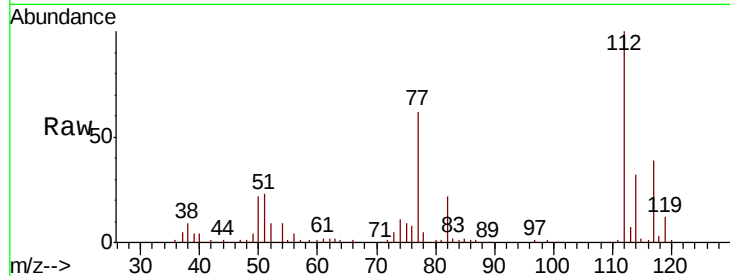




#65
Chlorobenzene
Concen: 19.321 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

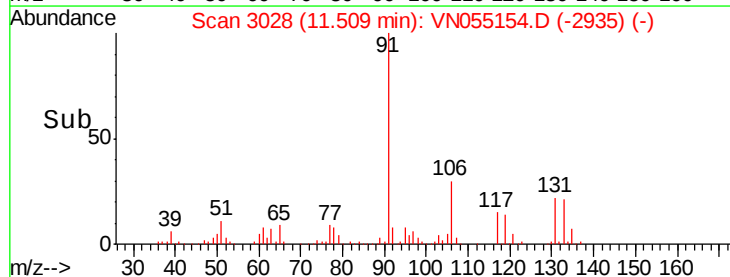
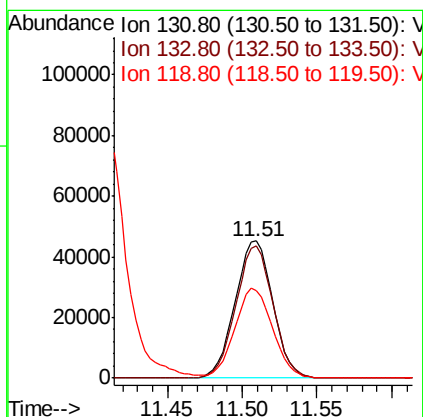
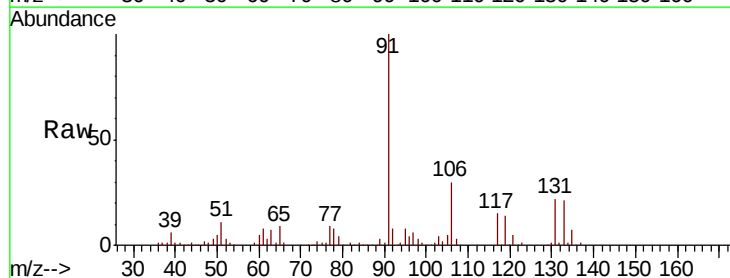
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

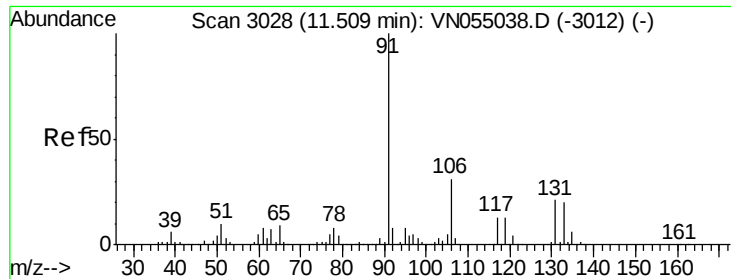
Tot Ion:112 Resp: 199951
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.832 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:131 Resp: 79293
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 65.8 33.6 100.6

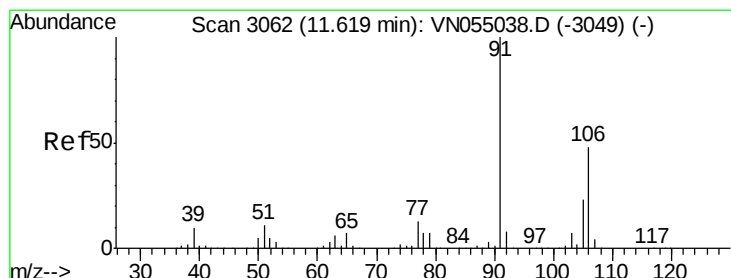
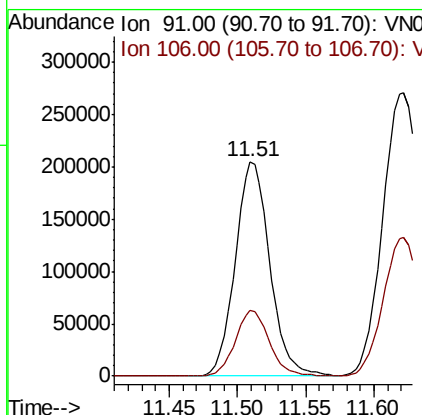
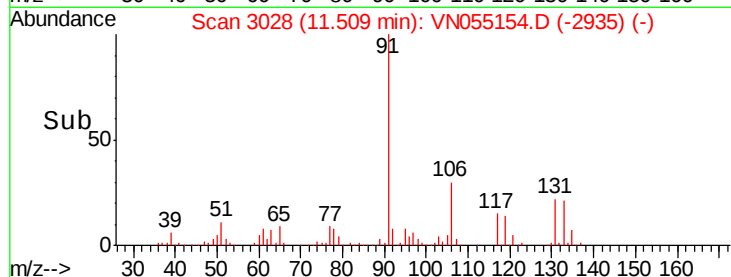
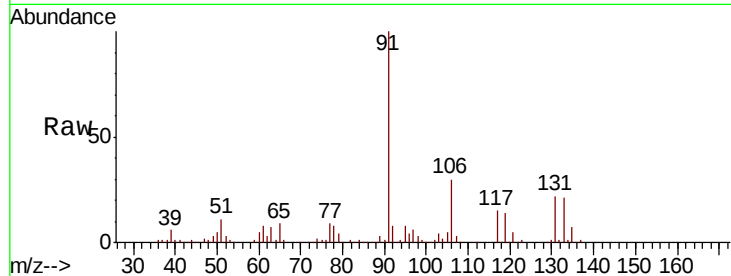




#67
Ethyl Benzene
Concen: 19.488 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

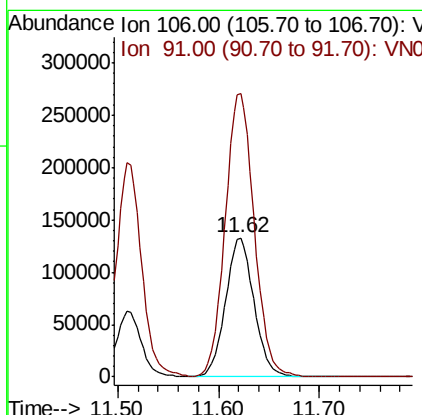
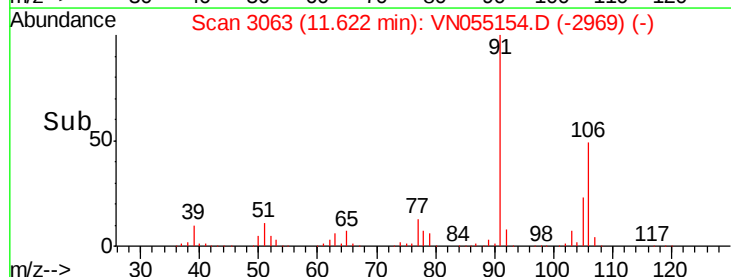
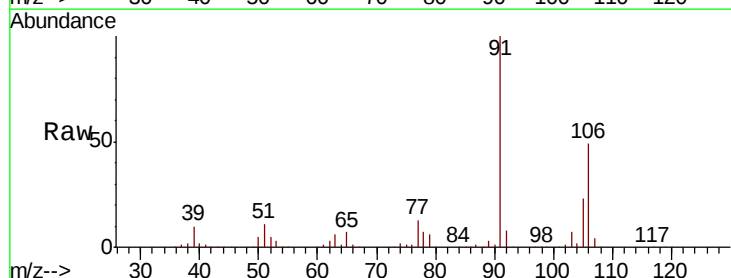
Instrument :
MSVOA_N
ClientSampleID :
VN0419WBSD02

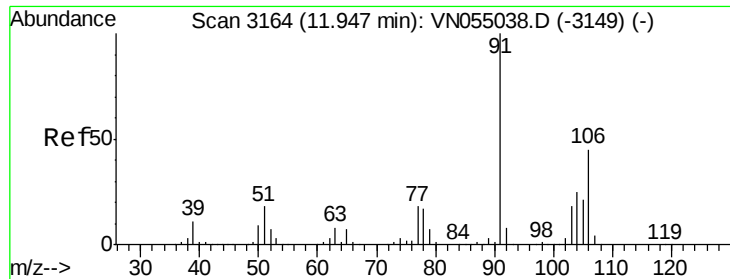
Tot Ion: 91 Resp: 360169
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 38.995 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 106 Resp: 260965
Ion Ratio Lower Upper
106 100
91 207.8 165.9 248.9

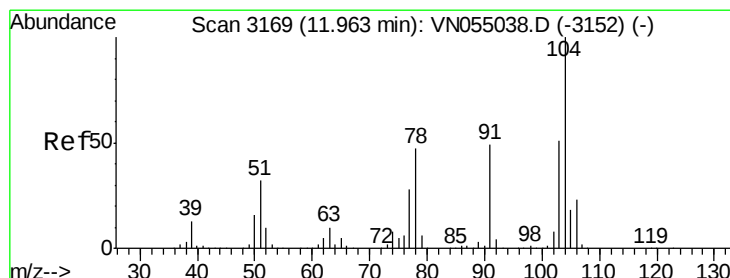
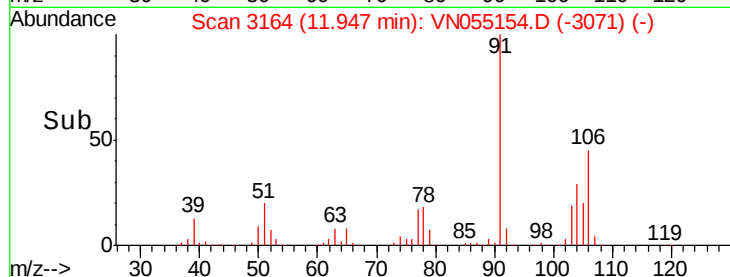
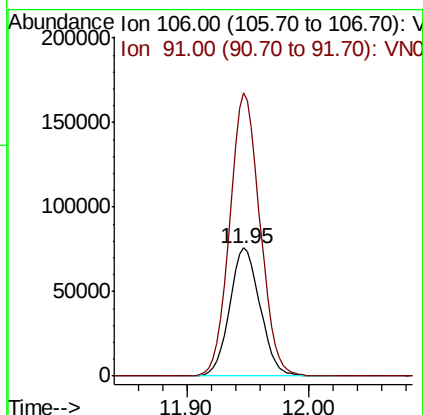
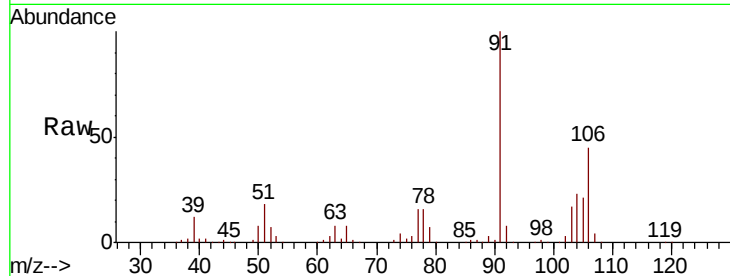




#69
o-Xylene
Concen: 20.344 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

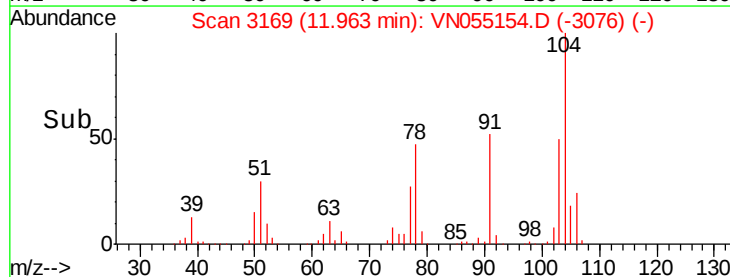
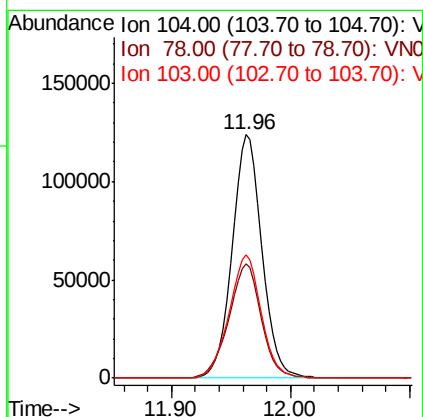
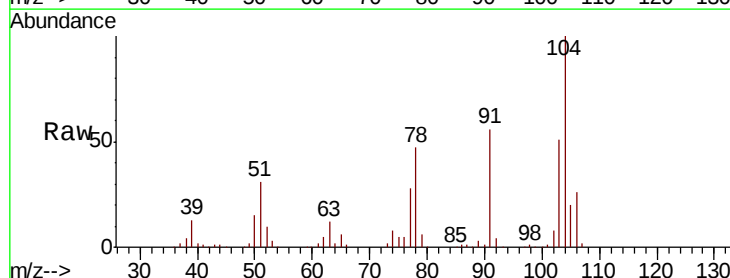
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

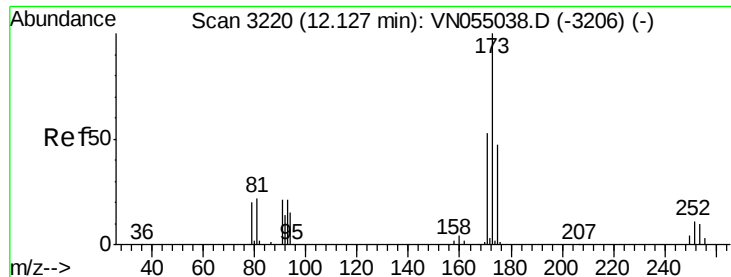
Tot Ion:106 Resp: 131867
Ion Ratio Lower Upper
106 100
91 219.4 109.9 329.8



#70
Styrene
Concen: 20.444 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:104 Resp: 214502
Ion Ratio Lower Upper
104 100
78 51.2 40.3 60.5
103 54.5 44.3 66.5

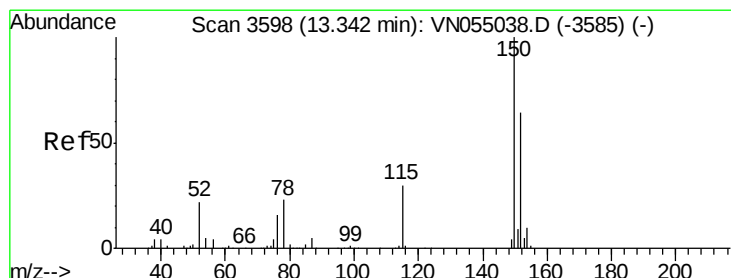
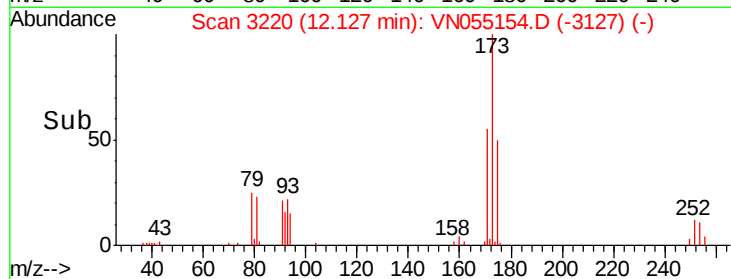
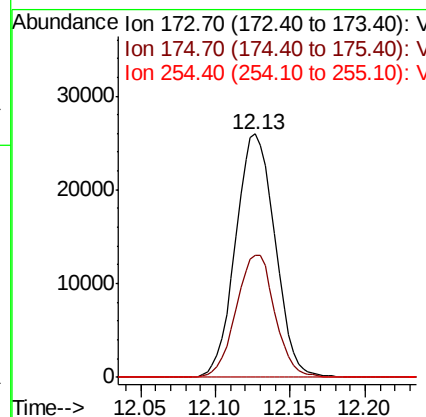
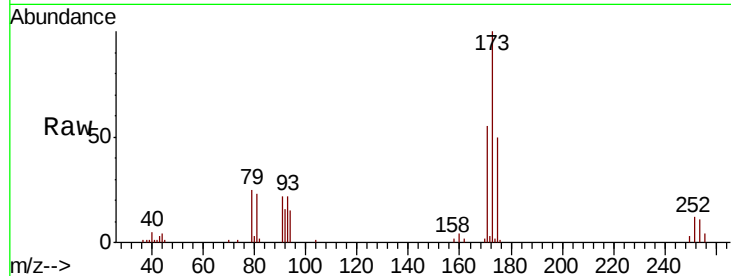




#71
Bromoform
Concen: 21.890 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

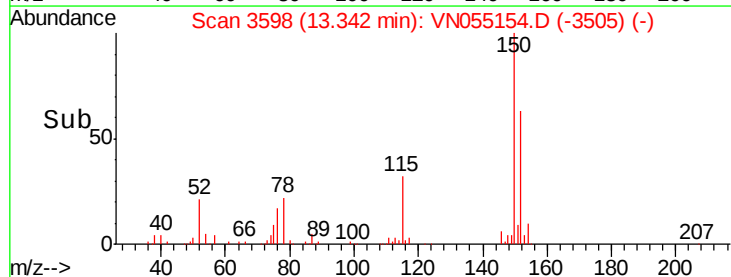
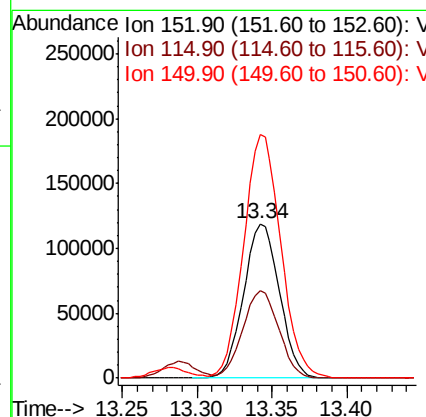
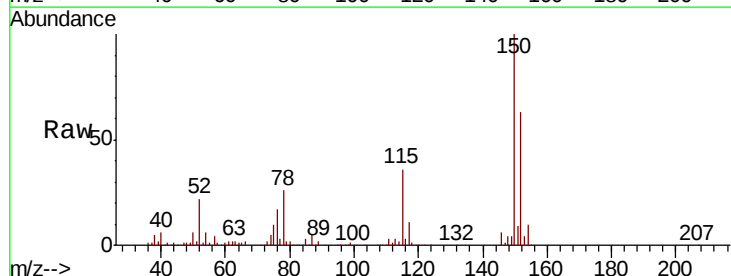
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

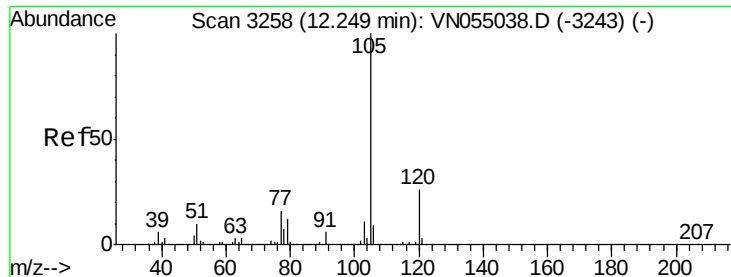
Tot Ion:173 Resp: 47757
Ion Ratio Lower Upper
173 100
175 49.2 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:152 Resp: 199021
Ion Ratio Lower Upper
152 100
115 56.9 28.5 85.6
150 163.4 0.0 347.2





#73

Isopropylbenzene

Concen: 19.701 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

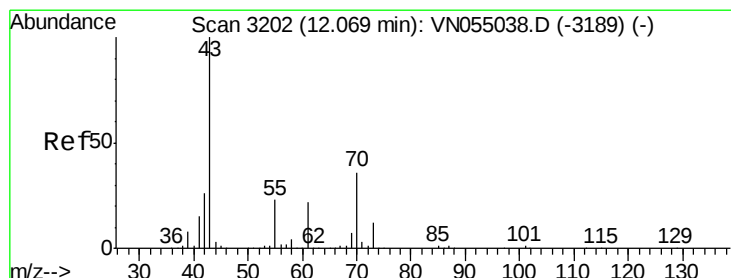
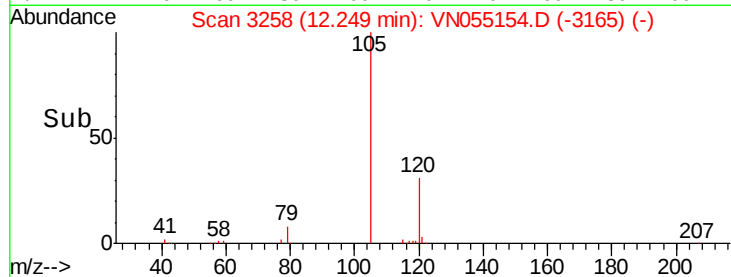
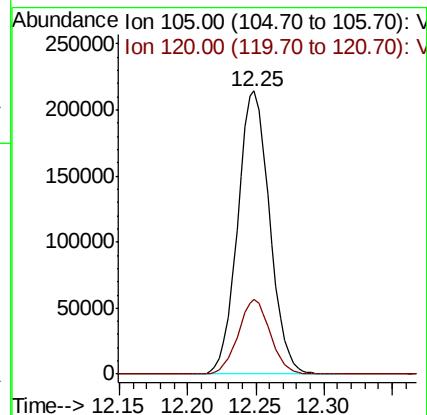
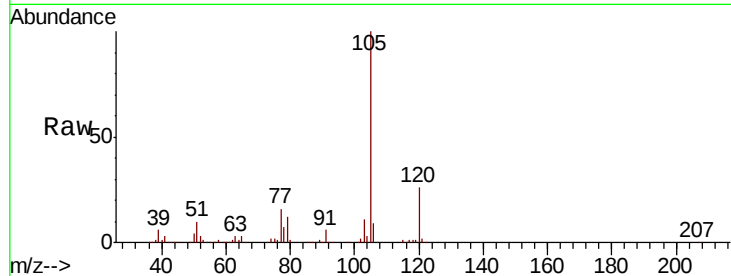
VN0419WBSD02

Tot Ion:105 Resp: 347925

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 23.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Tgt Ion: 43 Resp: 116338

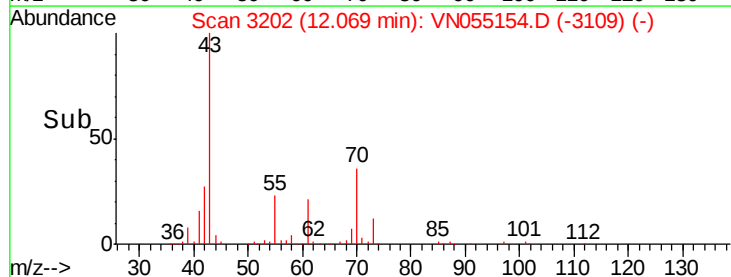
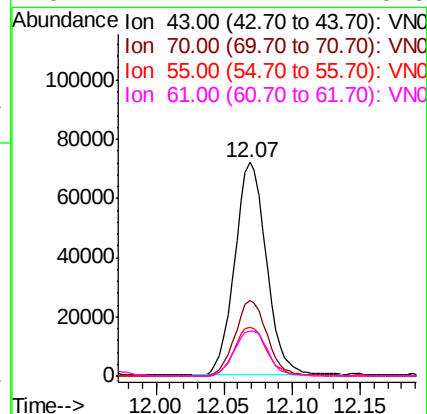
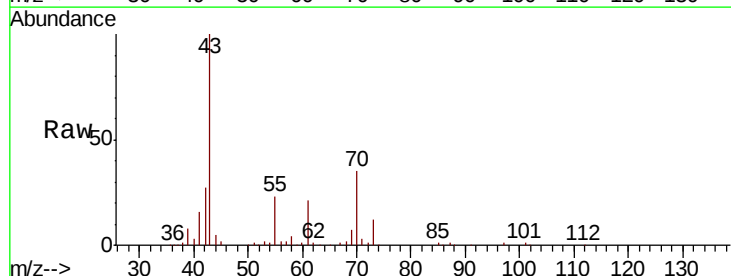
Ion Ratio Lower Upper

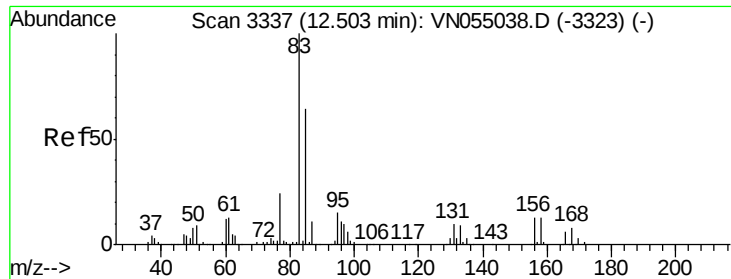
43 100

70 35.9 29.4 44.0

55 23.4 19.0 28.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.771 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

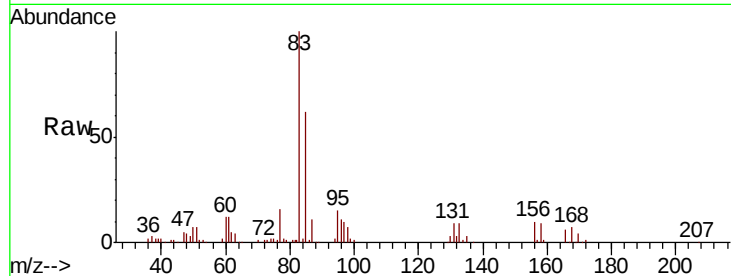
Tot Ion: 83 Resp: 102884

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

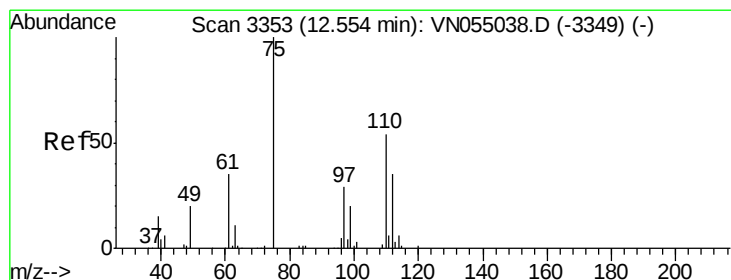
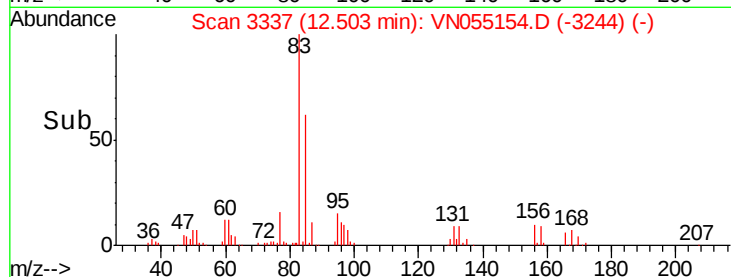
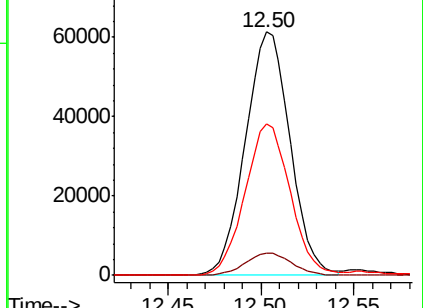
85 62.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.145 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055154.D

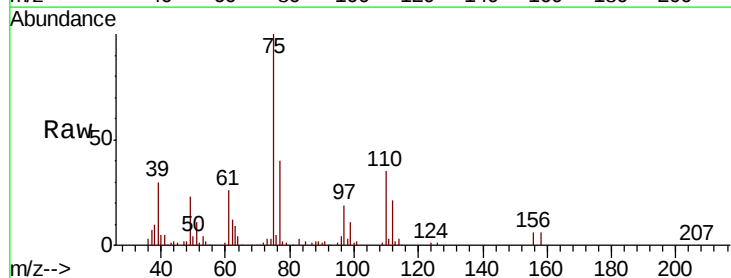
Acq: 19 Apr 2019 22:03

Tgt Ion: 75 Resp: 115045

Ion Ratio Lower Upper

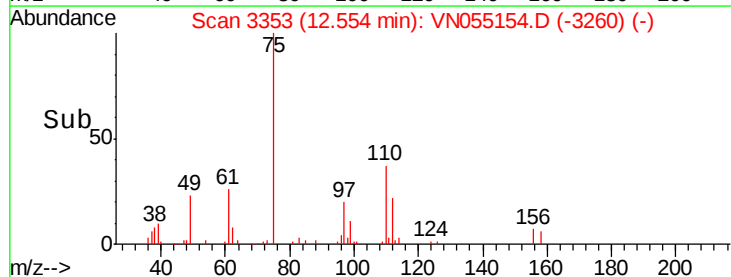
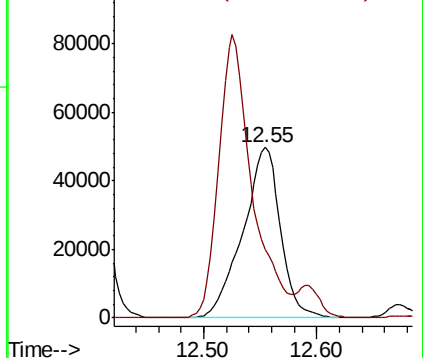
75 100

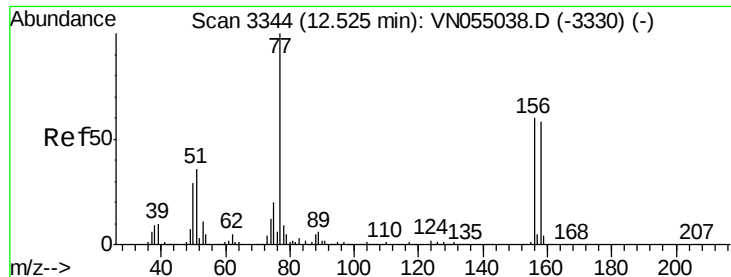
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.256 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampled :

VN0419WBSD02

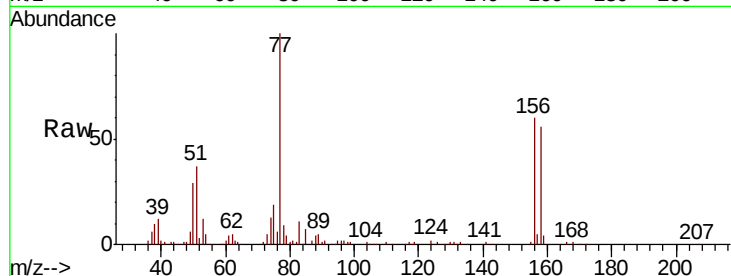
Tot Ion:156 Resp: 84783

Ion Ratio Lower Upper

156 100

77 199.6 97.2 291.5

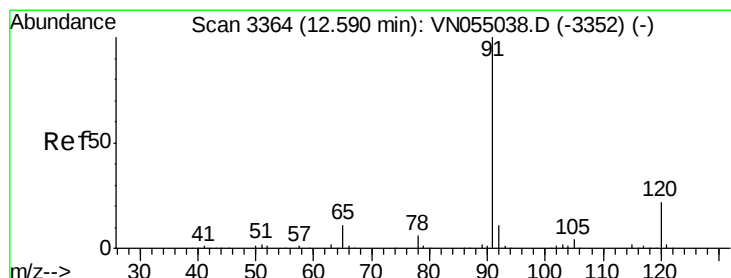
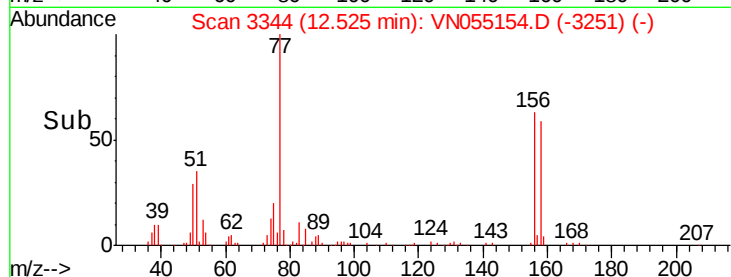
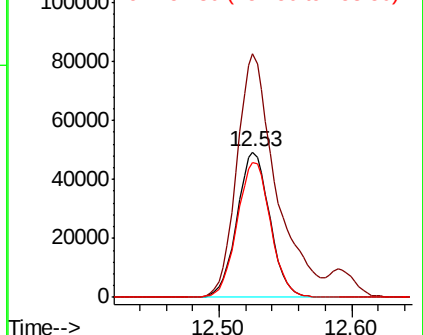
158 94.8 48.6 145.9



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: 19.100 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055154.D

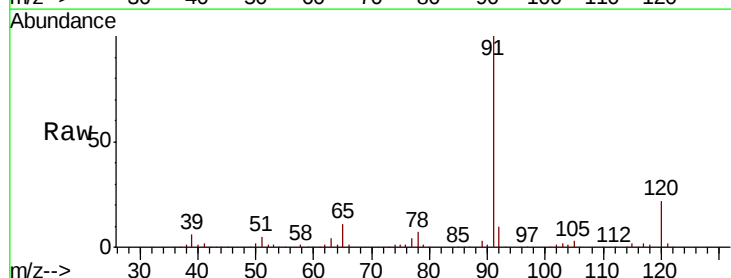
Acq: 19 Apr 2019 22:03

Tgt Ion: 91 Resp: 364443

Ion Ratio Lower Upper

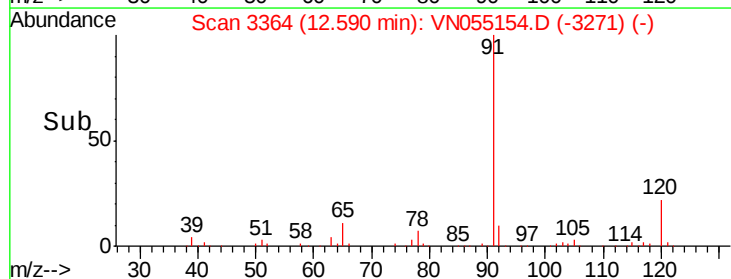
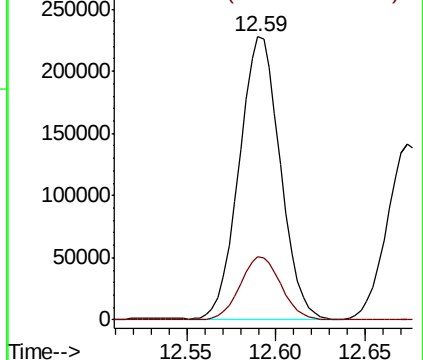
91 100

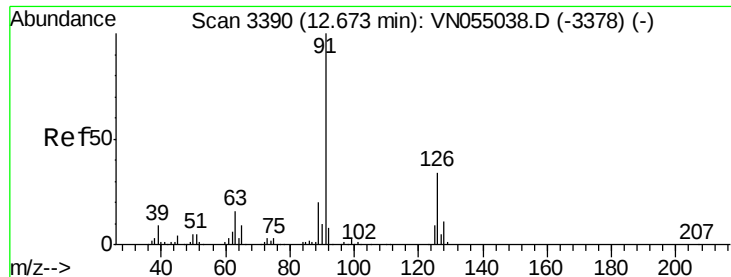
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.723 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

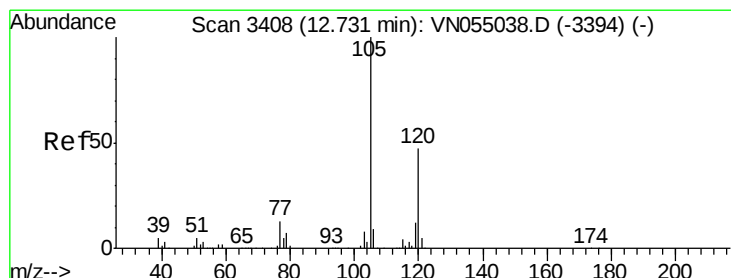
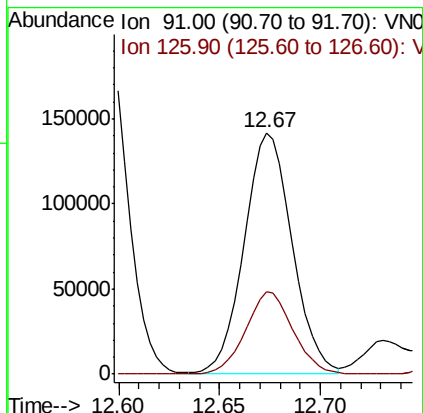
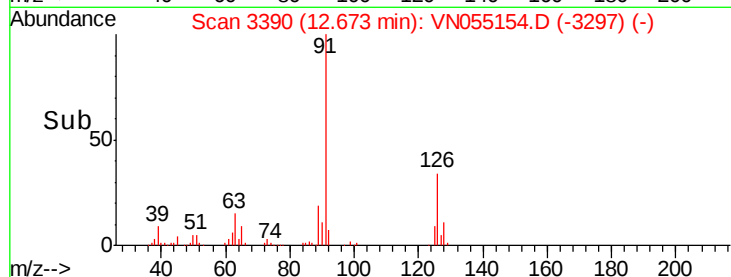
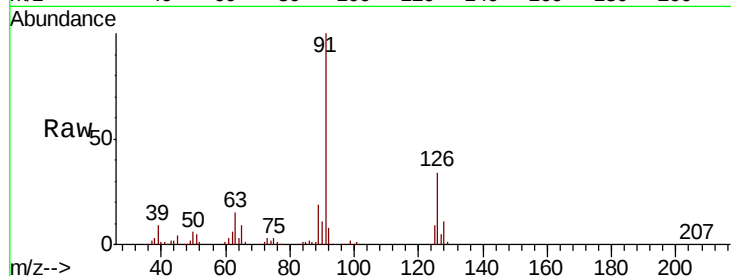
VN0419WBSD02

Tot Ion: 91 Resp: 234736

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.018 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055154.D

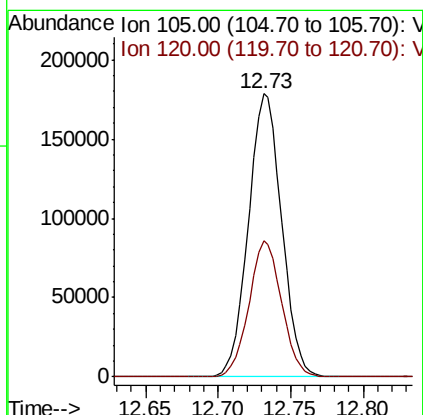
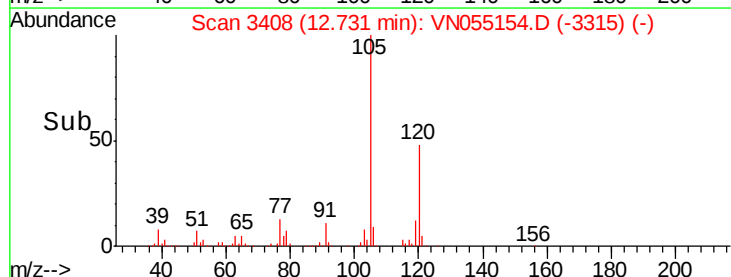
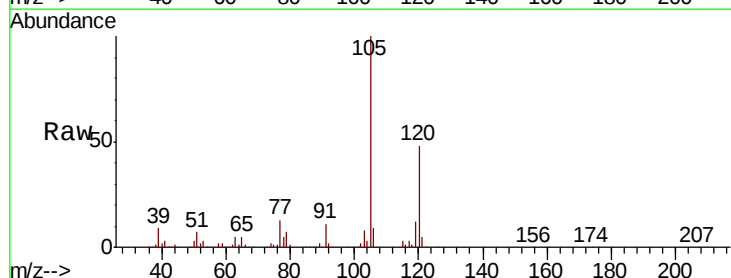
Acq: 19 Apr 2019 22:03

Tgt Ion: 105 Resp: 285298

Ion Ratio Lower Upper

105 100

120 47.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.783 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

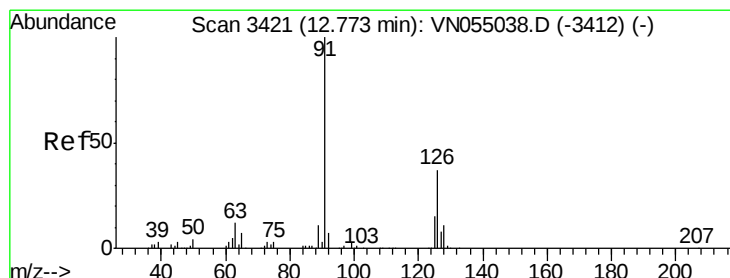
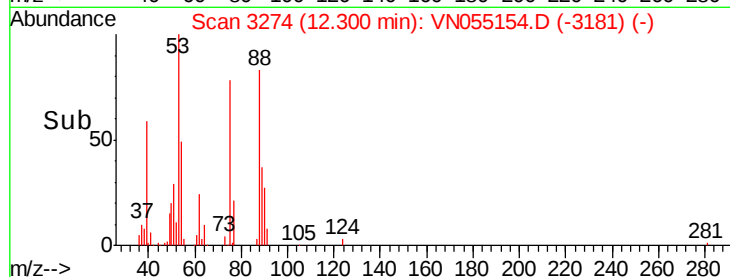
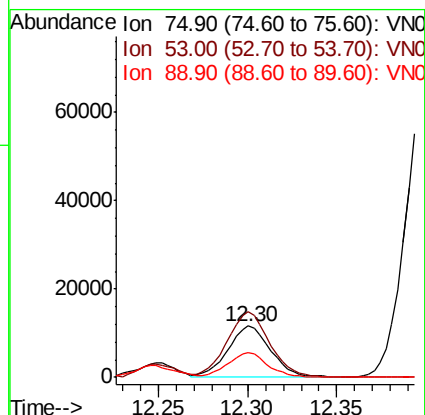
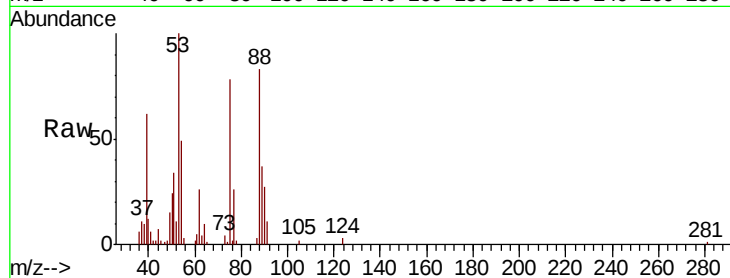
Tot Ion: 75 Resp: 19495

Ion Ratio Lower Upper

75 100

53 126.6 96.3 144.5

89 44.0 38.6 57.8



#82

4-Chlorotoluene

Concen: 19.711 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055154.D

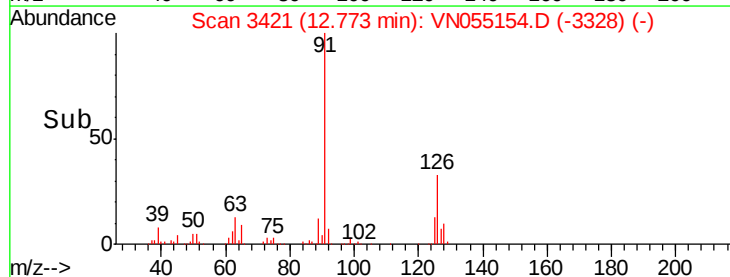
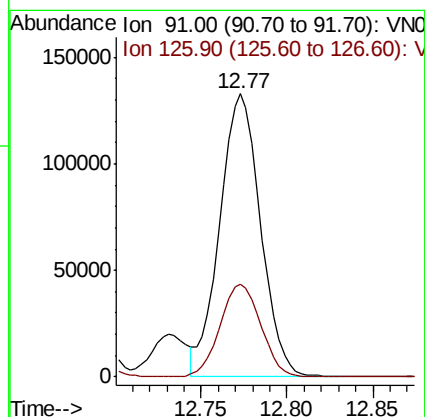
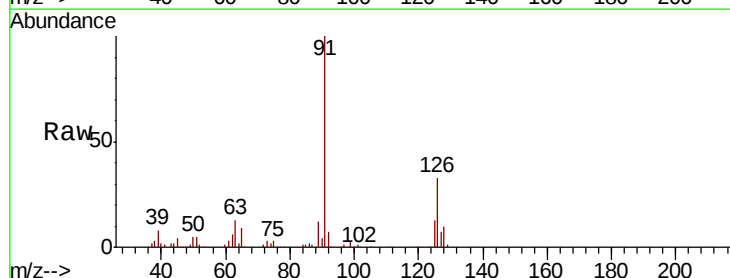
Acq: 19 Apr 2019 22:03

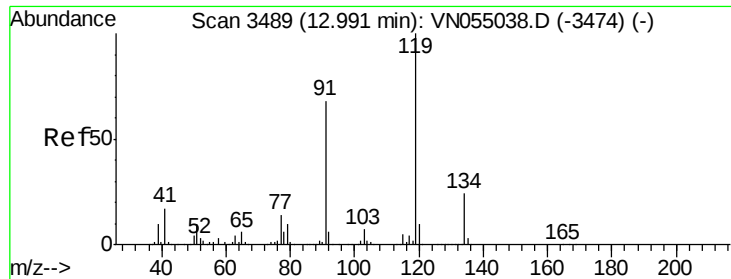
Tgt Ion: 91 Resp: 218863

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2





#83

tert-Butylbenzene

Concen: 19.931 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD02

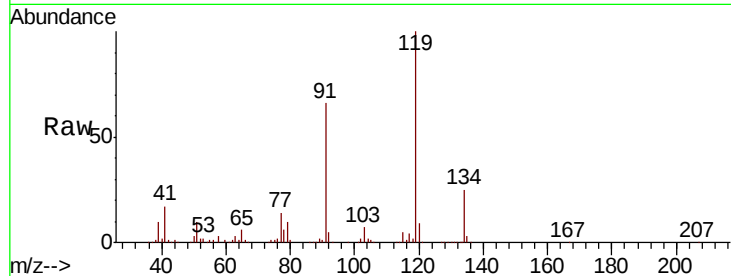
Tot Ion:119 Resp: 239887

Ion Ratio Lower Upper

119 100

91 66.9 33.3 99.8

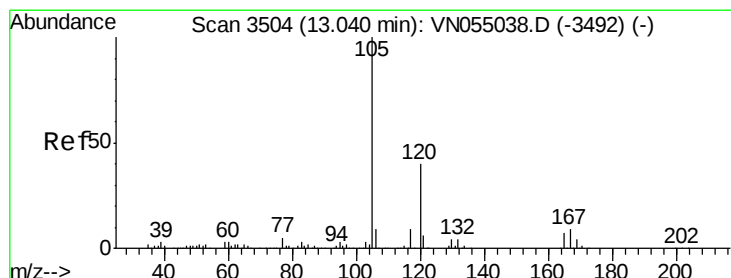
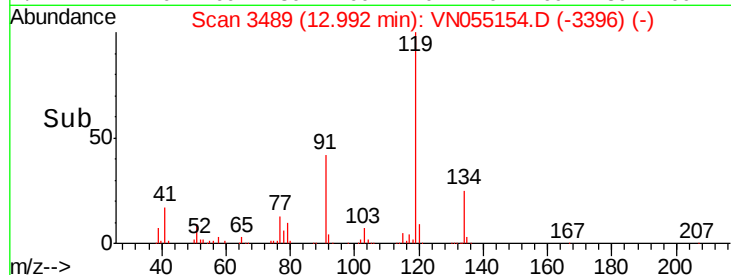
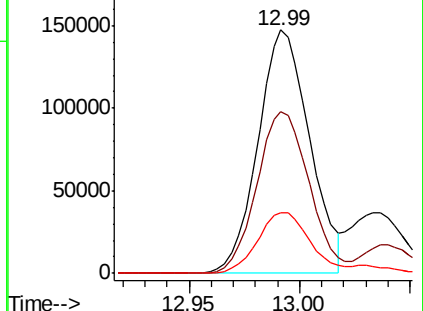
134 25.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.568 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055154.D

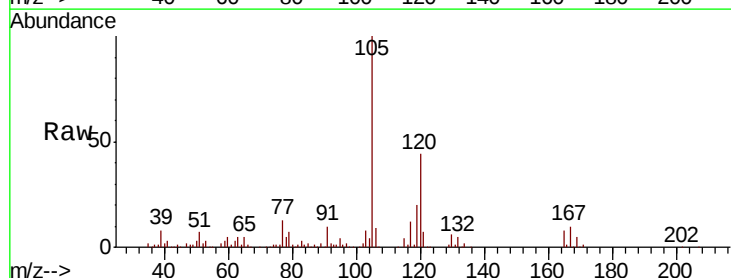
Acq: 19 Apr 2019 22:03

Tgt Ion:105 Resp: 264298

Ion Ratio Lower Upper

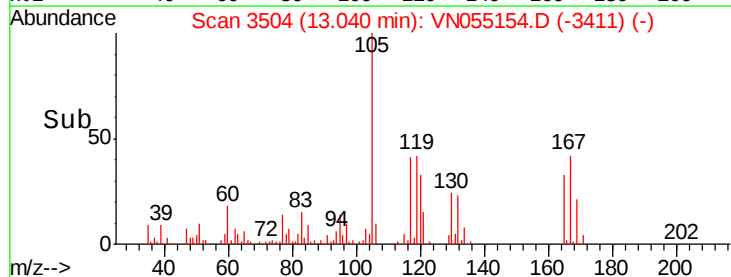
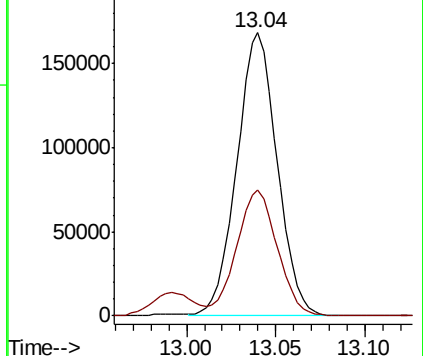
105 100

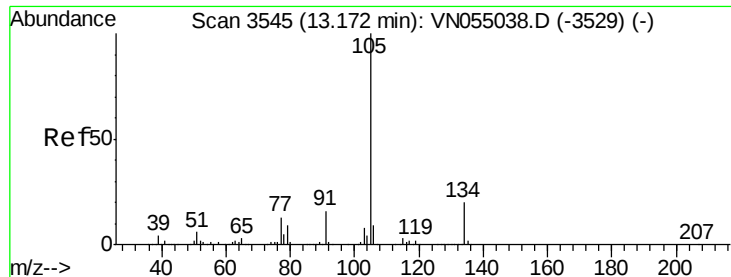
120 45.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.575 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

Instrument :

MSVOA_N

ClientSampleId :

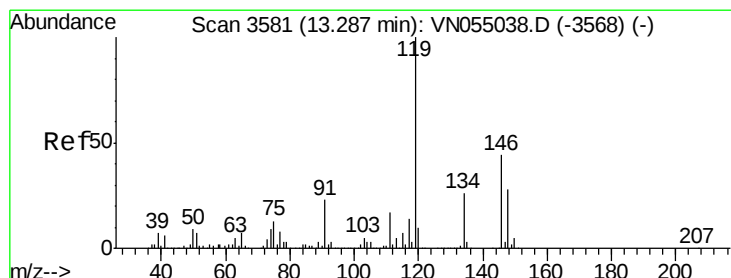
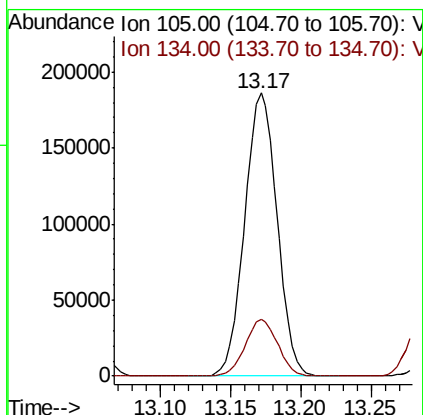
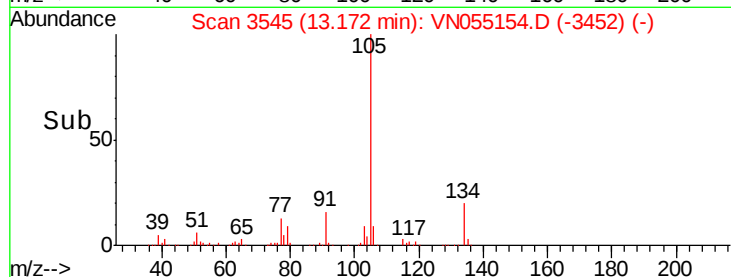
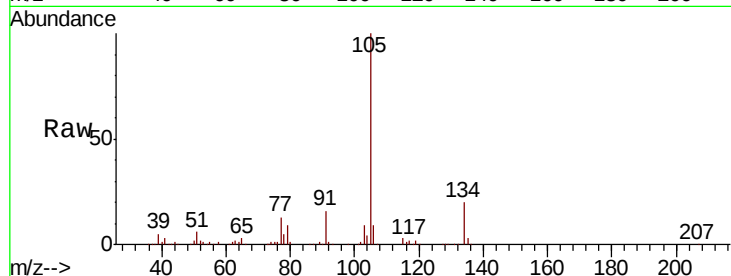
VN0419WBSD02

Tot Ion:105 Resp: 300220

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.541 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055154.D

Acq: 19 Apr 2019 22:03

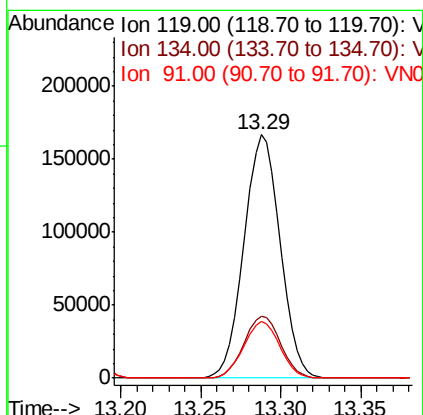
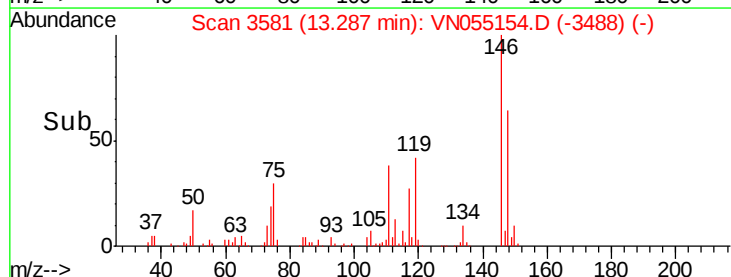
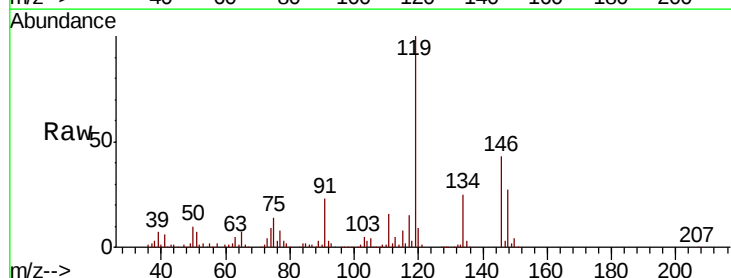
Tgt Ion:119 Resp: 257122

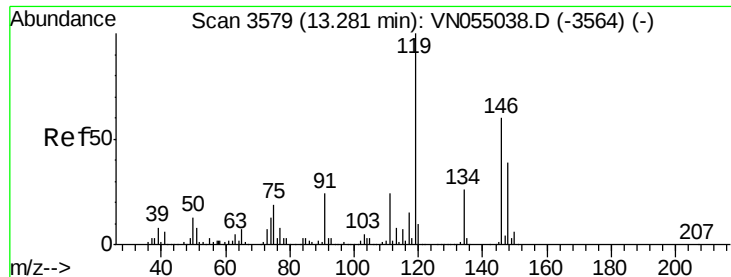
Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

91 23.4 11.7 35.1

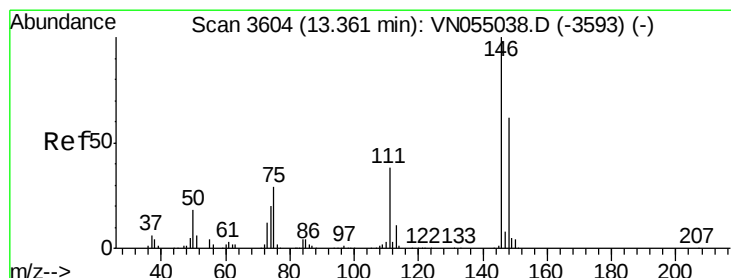
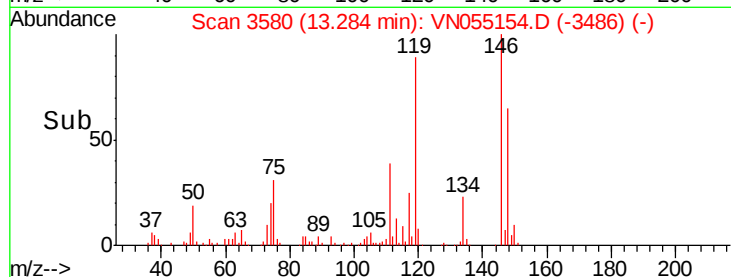
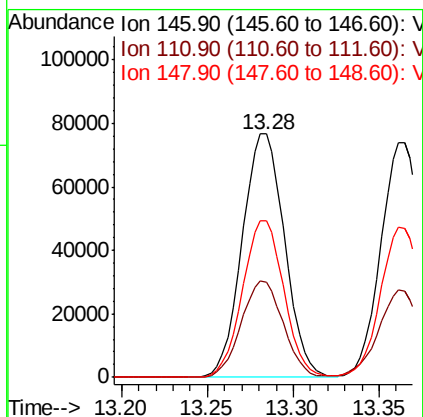
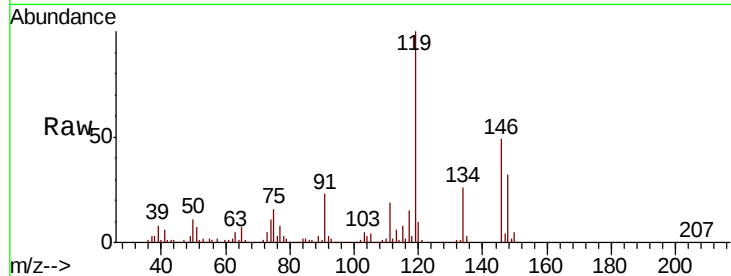




#87
 1,3-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

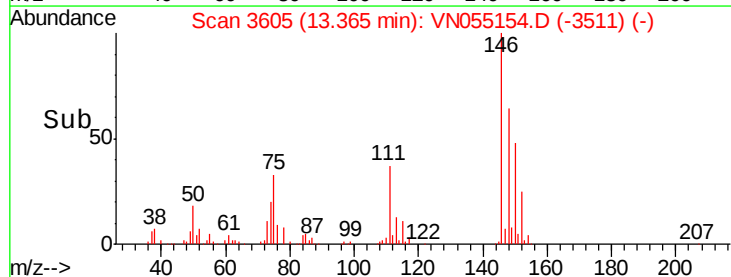
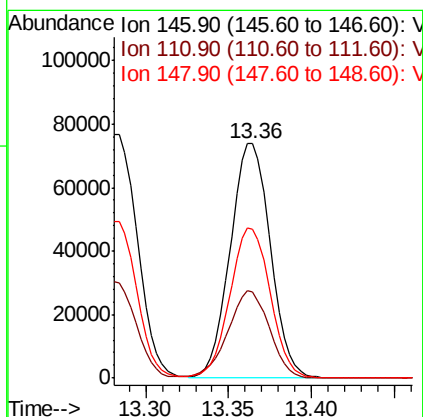
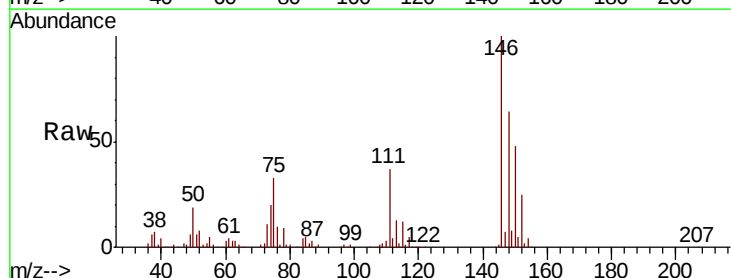
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

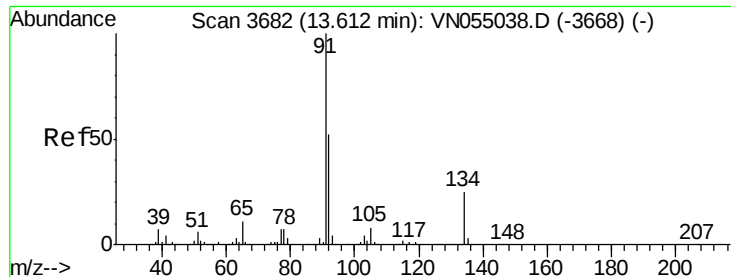
Tot Ion:146 Resp: 131463
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 62.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.547 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion:146 Resp: 124741
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.8 56.4
 148 64.5 32.4 97.2

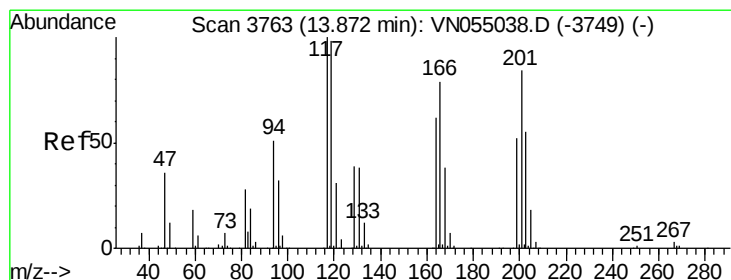
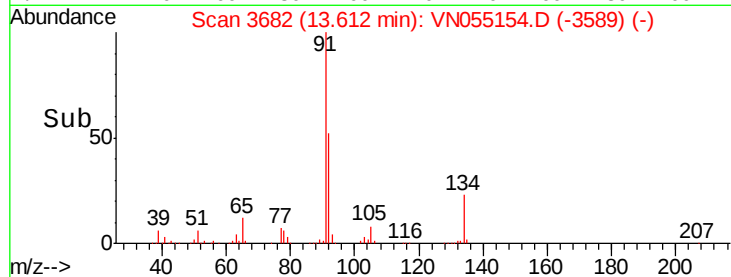
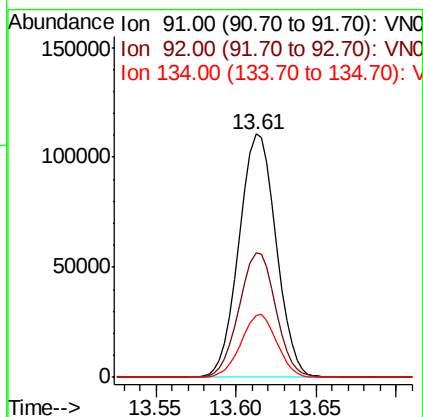
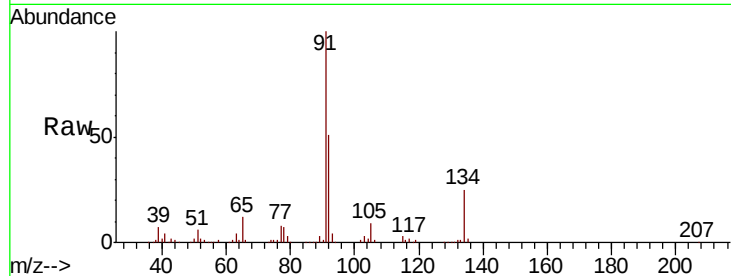




#89
n-Butylbenzene
Concen: 17.905 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

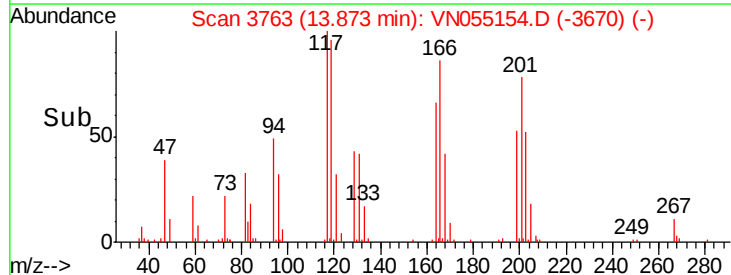
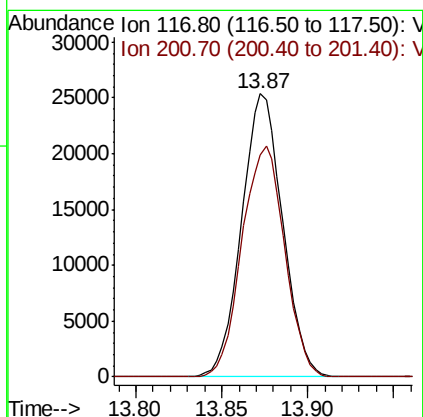
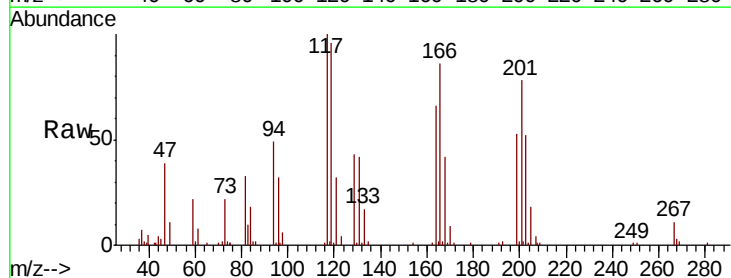
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

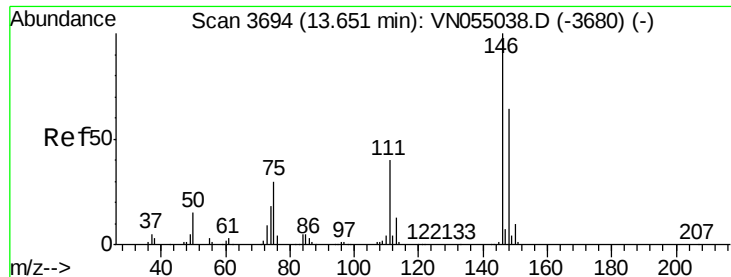
Tot Ion: 91 Resp: 174889
Ion Ratio Lower Upper
91 100
92 50.6 25.9 77.7
134 24.8 12.8 38.3



#90
Hexachloroethane
Concen: 19.642 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion: 117 Resp: 42053
Ion Ratio Lower Upper
117 100
201 84.8 43.4 130.2

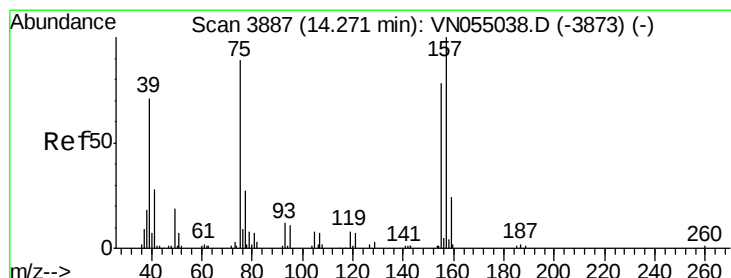
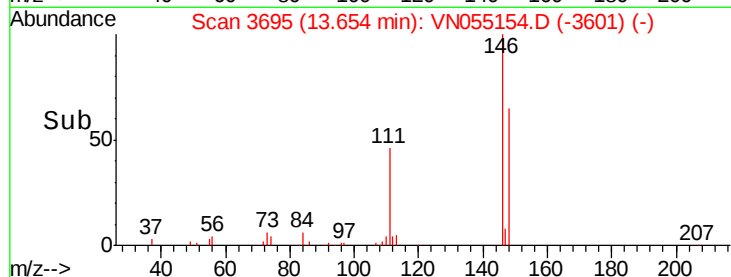
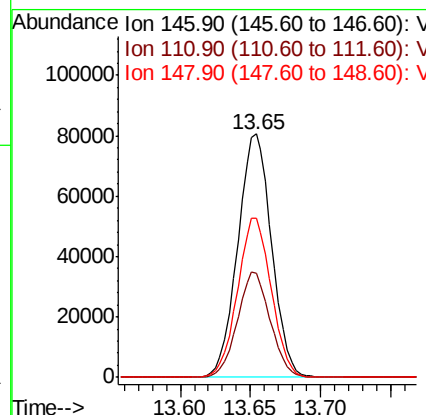
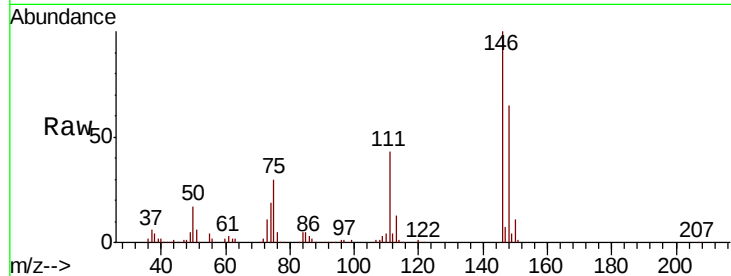




#91
 1,2-Dichlorobenzene
 Concen: 20.113 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

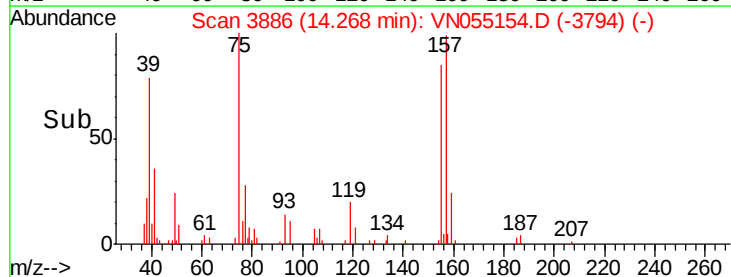
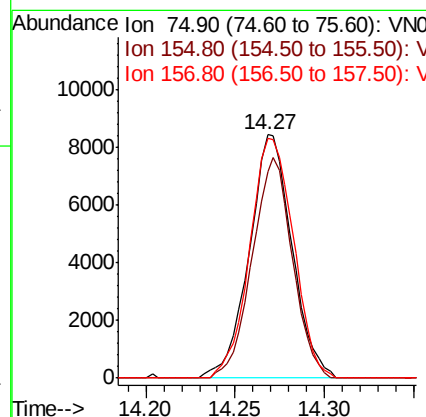
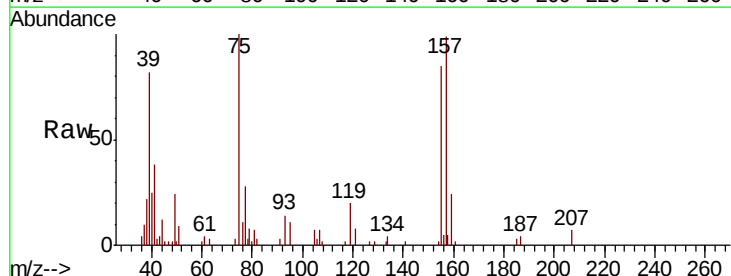
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

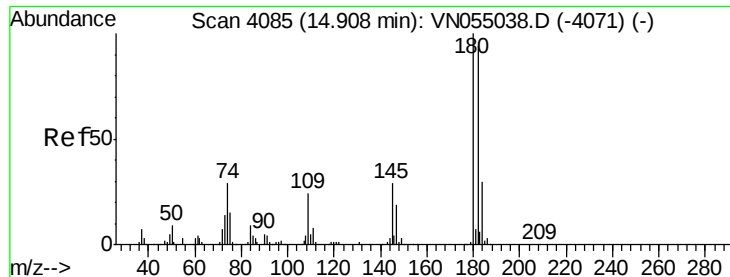
Tot Ion:146 Resp: 135429
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 60.9
 148 65.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.297 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion: 75 Resp: 14139
 Ion Ratio Lower Upper
 75 100
 155 85.4 42.0 126.0
 157 100.7 52.1 156.4

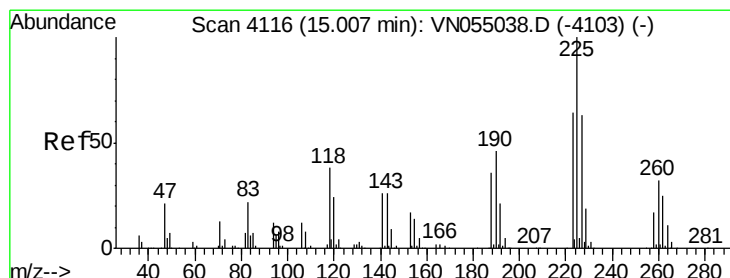
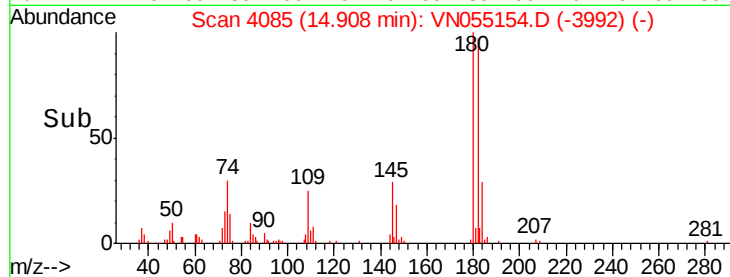
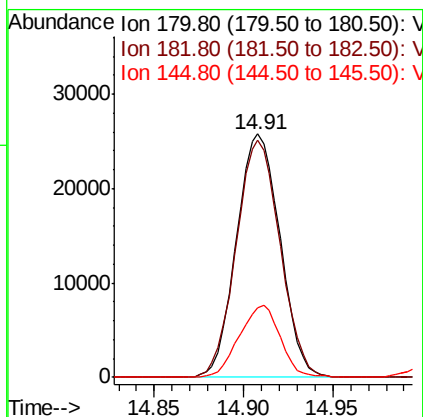
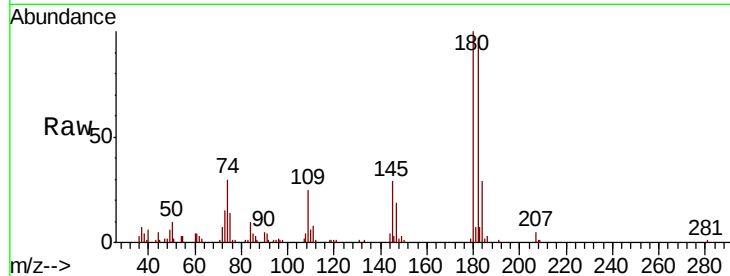




#93
 1,2,4-Trichlorobenzene
 Concen: 16.320 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

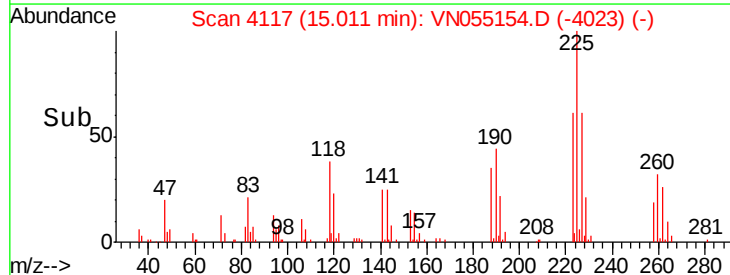
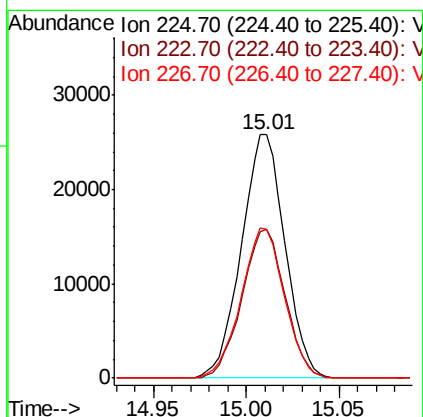
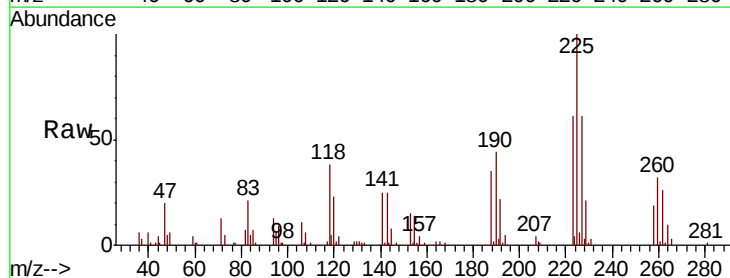
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD02

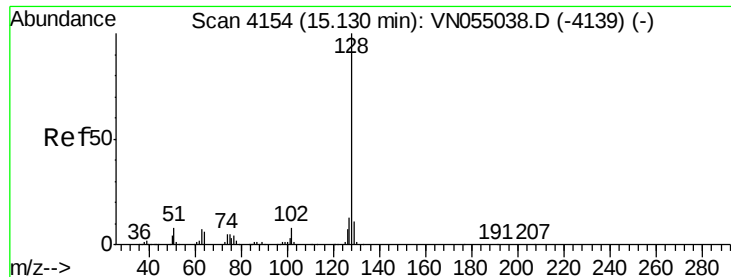
Tot Ion:180 Resp: 43997
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.5 142.6
 145 27.9 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.236 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055154.D
 Acq: 19 Apr 2019 22:03

Tgt Ion:225 Resp: 42085
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.4 94.0
 227 61.1 32.6 97.7

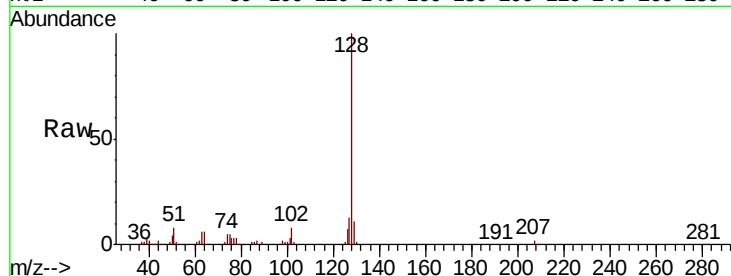




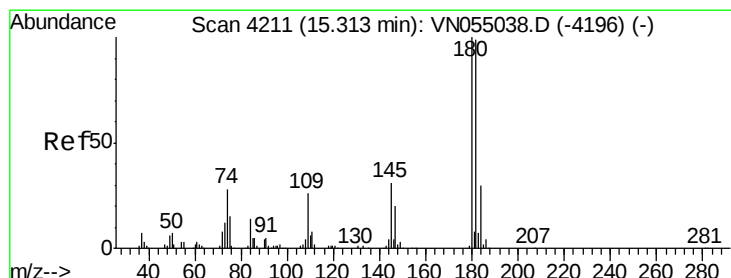
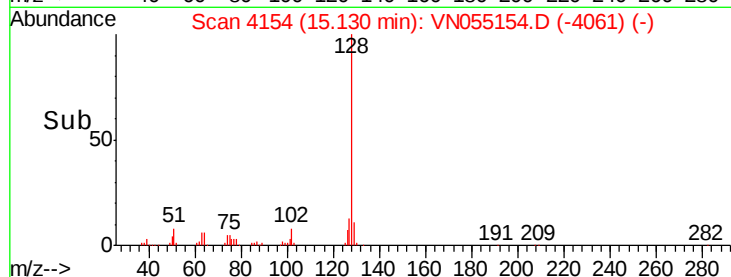
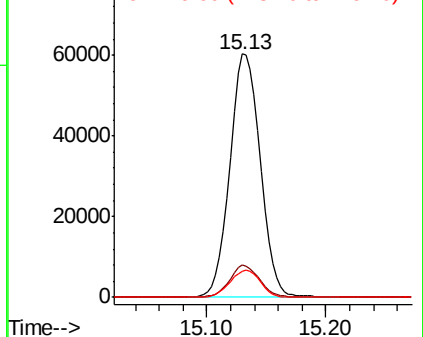
#95
Naphthalene
Concen: 17.144 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD02

Tot Ion:128 Resp: 107019
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.0 8.8 13.2

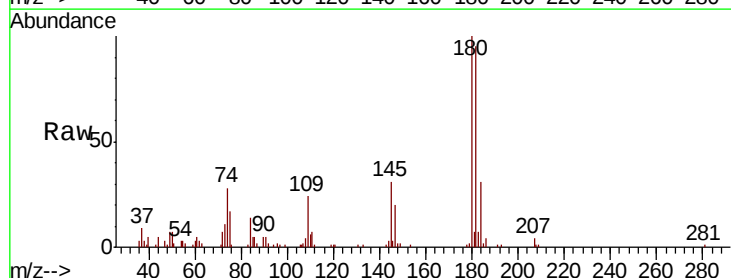


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.670 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055154.D
Acq: 19 Apr 2019 22:03

Tgt Ion:180 Resp: 48497
Ion Ratio Lower Upper
180 100
182 92.4 48.0 144.0
145 29.8 15.3 45.9



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

