

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055255.D
 Acq On : 25 Apr 2019 20:31
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Quant Time: Apr 26 05:25:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69608	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	380495	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325945	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	162127	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	146496	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	10.09	98	470074	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	71606	18.862	ug/l 100
3) Chloromethane	2.06	50	103476	19.490	ug/l 91
4) Vinyl Chloride	2.19	62	85000	19.644	ug/l 99
5) Bromomethane	2.56	94	51568	21.392	ug/l 98
6) Chloroethane	2.70	64	48191	19.993	ug/l 95
7) Trichlorofluoromethane	3.02	101	128536	20.207	ug/l 94
8) Diethyl Ether	3.41	74	51183	19.821	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79309	19.589	ug/l 99
10) 1,1-Dichloroethene	3.74	96	73206	19.422	ug/l 99
11) Methyl Iodide	3.95	142	108215	18.256	ug/l 96
12) Methyl Acetate	4.33	43	112026	20.477	ug/l 93
13) Acrolein	3.61	56	23714	97.440	ug/l 99
14) Acrylonitrile	4.99	53	196602	101.174	ug/l 99
15) Acetone	3.82	58	42917	91.676	ug/l 94
16) Carbon Disulfide	4.05	76	199998	19.522	ug/l 99
17) Allyl chloride	4.33	41	161642	19.914	ug/l 98
18) Methylene Chloride	4.55	84	89781	19.186	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	81190	19.771	ug/l 96
20) Diisopropyl ether	5.96	45	334847	20.234	ug/l 97
21) 1,1-Dichloroethane	5.85	63	168288	19.569	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	93174	19.585	ug/l 98
23) tert-Butyl Alcohol	4.80	59	40689	102.562	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	245747	20.007	ug/l 98
25) Chloroform	7.37	83	164740	20.387	ug/l 98
26) Cyclohexane	7.65	56	145682	19.506	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	119854	19.876	ug/l 99
30) 2-Butanone	6.84	43	233422	95.517	ug/l 99
31) 2,2-Dichloropropane	6.82	77	108374	18.975	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	131361	19.596	ug/l 99
33) Carbon Tetrachloride	7.78	117	108703	19.448	ug/l 96
34) Benzene	8.04	78	352555	19.529	ug/l 99
35) Methacrylonitrile	7.17	41	53742	19.068	ug/l 97
36) 1,2-Dichloroethane	8.12	62	127132	19.740	ug/l 100
37) Trichloroethene	8.84	130	90428	19.846	ug/l 98
38) Methylcyclohexane	9.08	83	123099	19.081	ug/l 99
39) 1,2-Dichloropropane	9.12	63	100176	19.384	ug/l 96
40) Dibromomethane	9.21	93	59182	19.764	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	118133	19.398	ug/l	95
42) Vinyl Acetate	5.90	43	1142366	97.616	ug/l	100
43) Ethyl Acetate	6.93	43	101825	20.105	ug/l	94
44) Isopropyl Acetate	8.17	43	184022	19.746	ug/l #	81
45) 1,4-Dioxane	9.20	88	19946	412.965	ug/l	96
46) Methyl methacrylate	9.20	41	86261	19.658	ug/l	99
47) n-amyl Acetate	12.07	43	120579	18.187	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	113210	18.893	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	133084	19.144	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81511	19.970	ug/l	97
51) Ethyl methacrylate	10.43	69	102849	18.535	ug/l	96
52) 1,3-Dichloropropane	10.71	76	140010	19.373	ug/l	99
53) Dibromochloromethane	10.90	129	80864	19.157	ug/l	99
54) 1,2-Dibromoethane	11.00	107	77361	19.535	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	155101	92.734	ug/l	99
56) Bromoform	12.13	173	49765	17.988	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	505336	99.308	ug/l	99
59) 2-Hexanone	10.75	43	316435	97.139	ug/l	100
61) Tetrachloroethene	10.63	164	84031	19.868	ug/l	97
62) Toluene	10.16	91	363705	19.722	ug/l	97
64) Chlorobenzene	11.43	112	216774	19.842	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	82653	20.281	ug/l	97
66) Ethyl Benzene	11.51	91	392769	20.038	ug/l	100
67) m/p-Xylenes	11.62	106	286793	39.956	ug/l	99
68) o-Xylene	11.95	106	144989	20.240	ug/l	96
69) Styrene	11.96	104	215007	19.374	ug/l	100
70) Isopropylbenzene	12.25	105	383955	20.361	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104854	20.175	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	119403	26.502	ug/l	61
73) Bromobenzene	12.53	156	87440	19.507	ug/l	98
74) n-propylbenzene	12.59	91	412425	19.598	ug/l	99
75) 2-Chlorotoluene	12.67	91	260117	20.151	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	302648	19.557	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	21564	17.983	ug/l	96
78) 4-Chlorotoluene	12.77	91	235820	19.217	ug/l	99
79) tert-butylbenzene	12.99	119	270165	20.268	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	294126	19.713	ug/l	100
81) sec-Butylbenzene	13.17	105	354174	20.100	ug/l	99
82) p-Isopropyltoluene	13.29	119	288032	19.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	136977	18.838	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	129233	18.830	ug/l	99
85) n-Butylbenzene	13.61	91	202684	18.187	ug/l	99
86) Hexachloroethane	13.87	117	48938	19.627	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	141770	19.485	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13607	17.886	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	49497	17.193	ug/l	97
90) Hexachlorobutadiene	15.01	225	50759	20.823	ug/l	95
91) Naphthalene	15.13	128	109957	16.529	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53607	17.848	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 05:19:18 2019
Response via : Initial Calibration

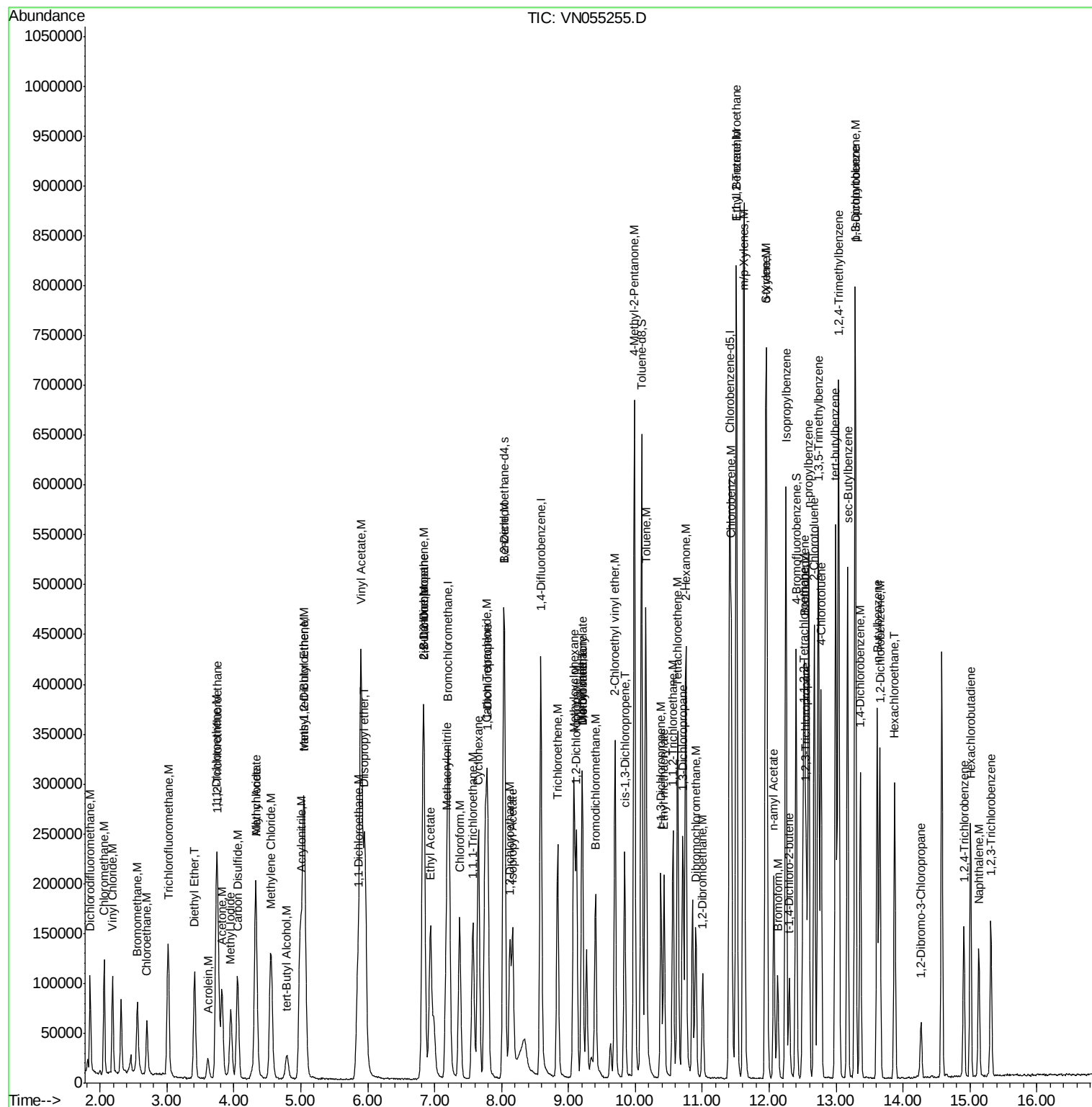
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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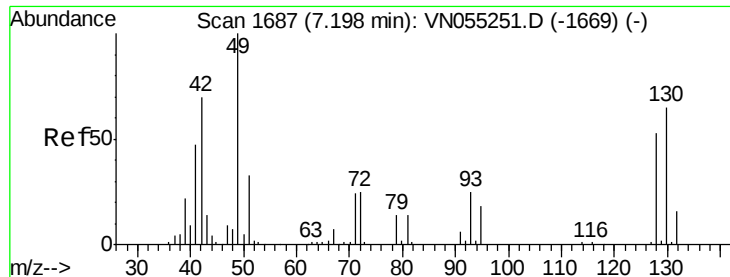
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 26 05:25:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

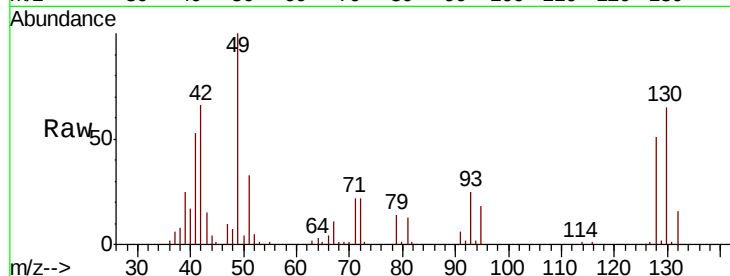
Tot Ion:128 Resp: 69608

Ion Ratio Lower Upper

128 100

49 197.0 0.0 485.0

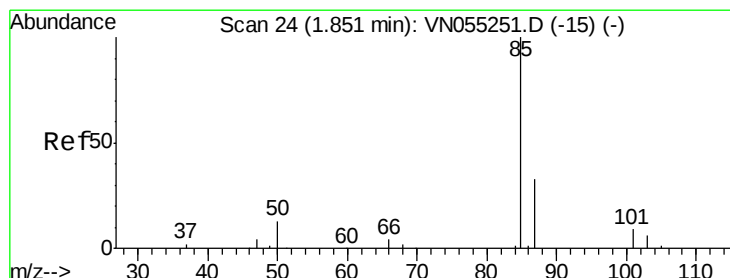
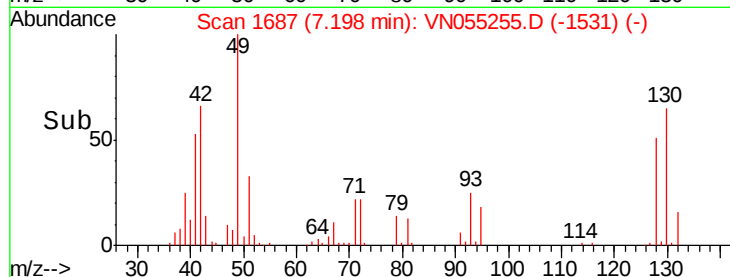
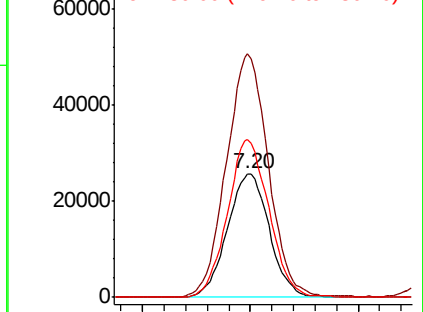
130 126.0 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.862 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055255.D

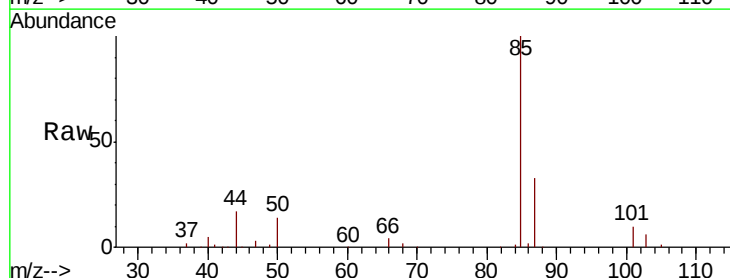
Acq: 25 Apr 2019 20:31

Tgt Ion: 85 Resp: 71606

Ion Ratio Lower Upper

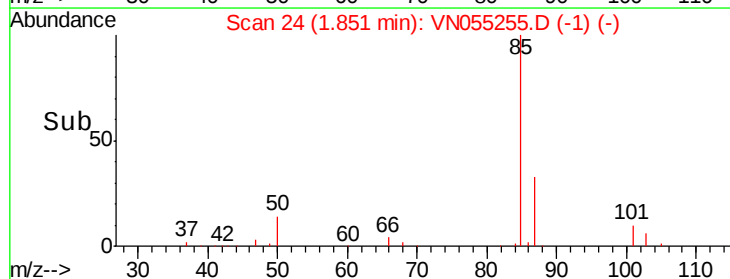
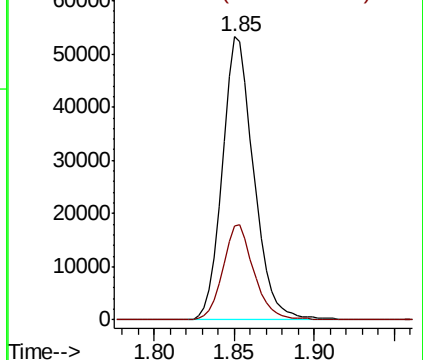
85 100

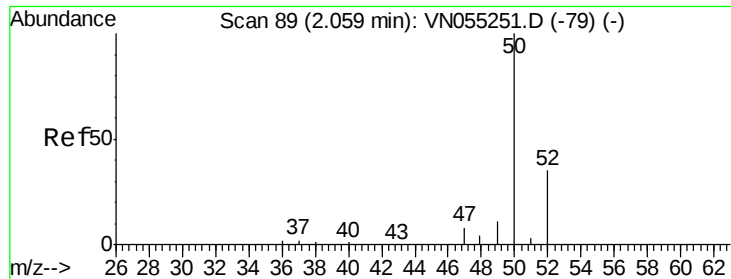
87 33.2 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.490 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

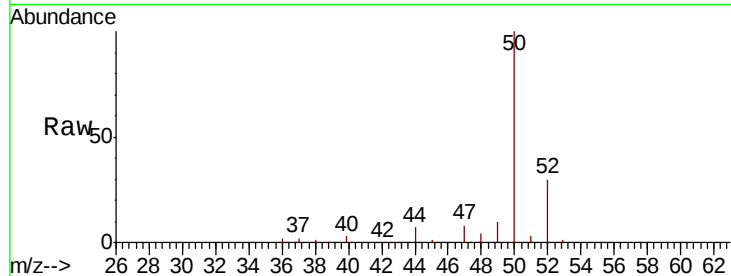
ICVVN042619

Tot Ion: 50 Resp: 103476

Ion Ratio Lower Upper

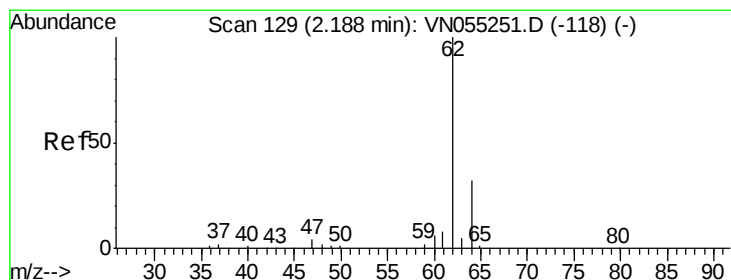
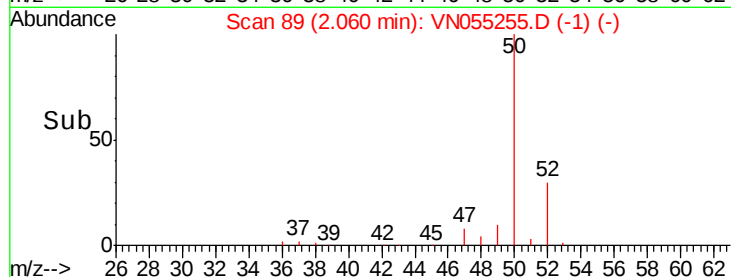
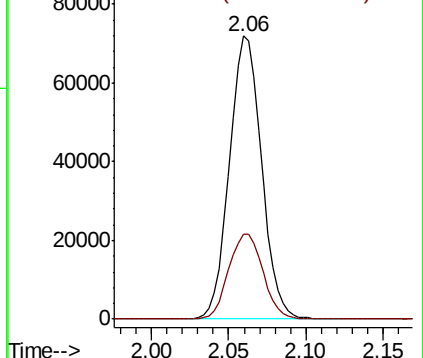
50 100

52 29.8 27.9 41.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055255.D

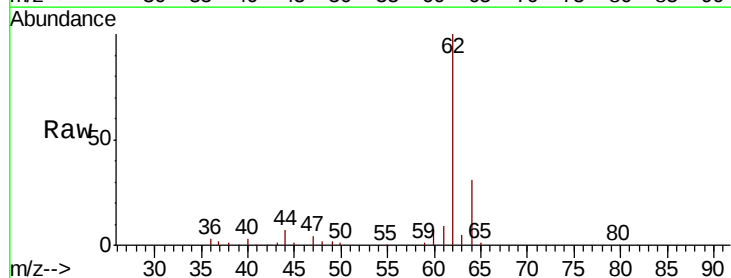
Acq: 25 Apr 2019 20:31

Tgt Ion: 62 Resp: 85000

Ion Ratio Lower Upper

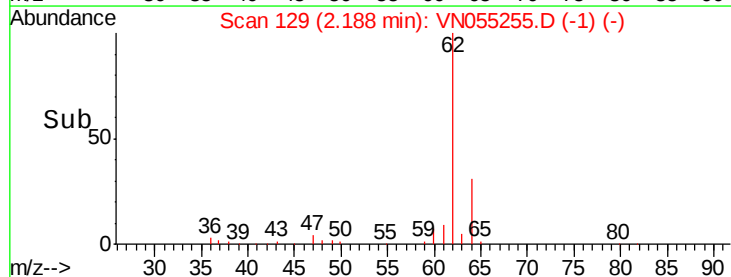
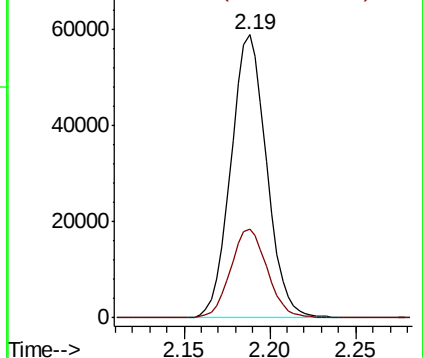
62 100

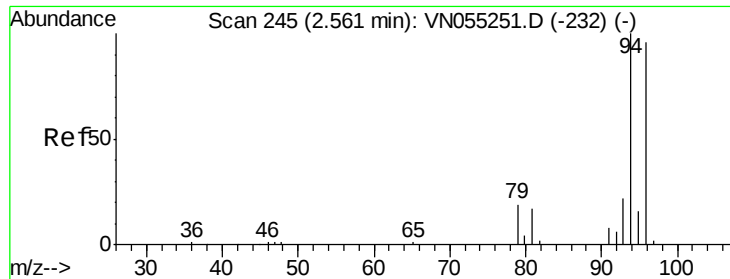
64 31.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

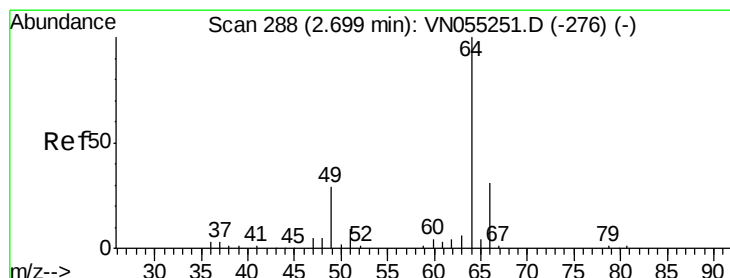
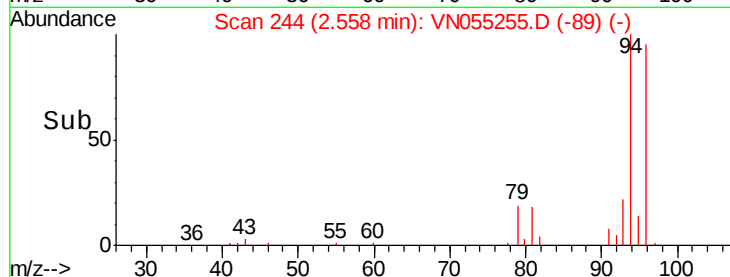
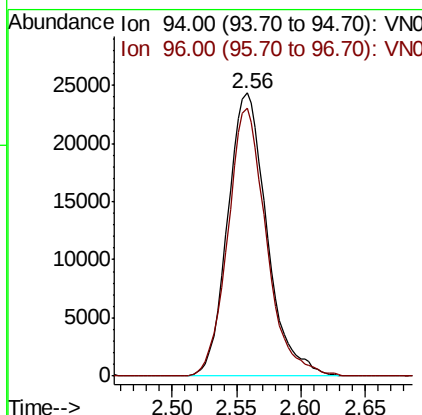
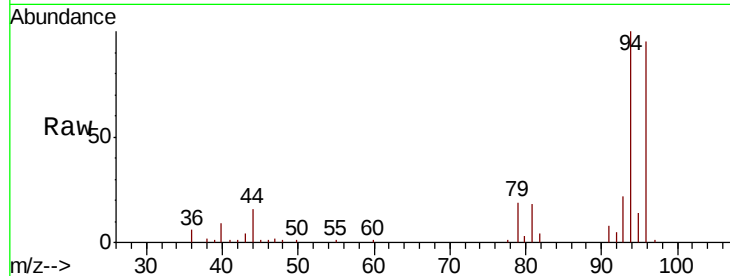




#5
Bromomethane
Concen: 21.392 ug/l
RT: 2.56 min Scan# 244
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

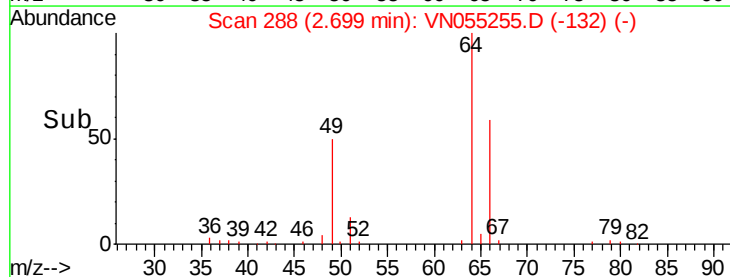
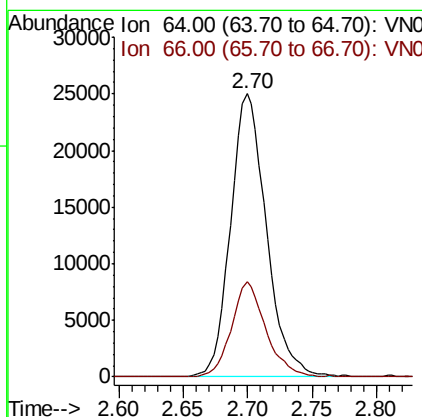
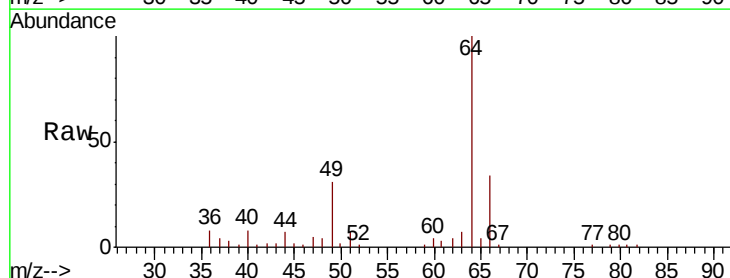
Instrument :
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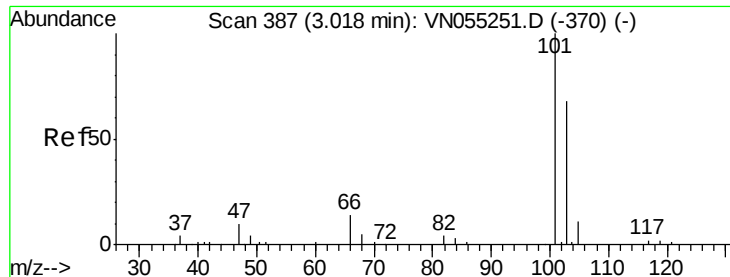
Tot Ion: 94 Resp: 51568
Ion Ratio Lower Upper
94 100
96 94.5 77.0 115.6



#6
Chloroethane
Concen: 19.993 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 64 Resp: 48191
Ion Ratio Lower Upper
64 100
66 33.6 24.6 36.8



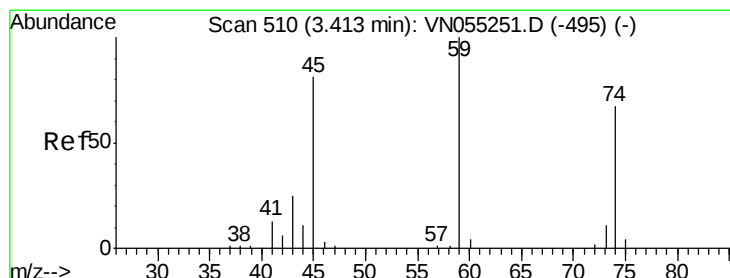
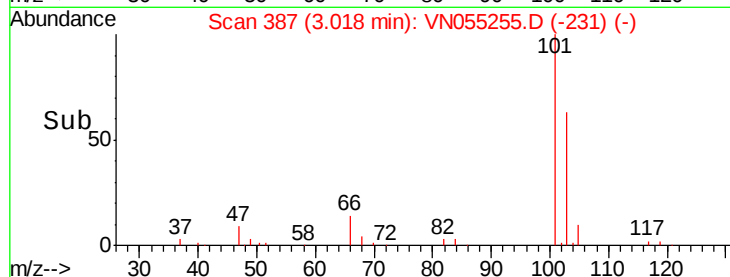
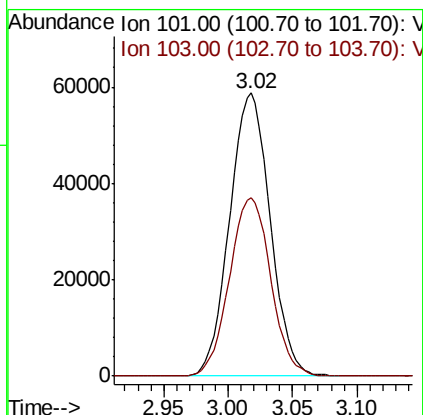
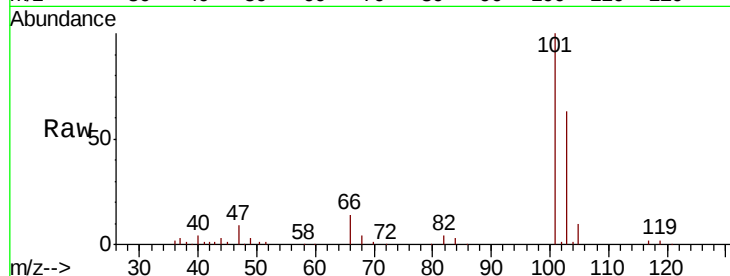


#7

Trichlorofluoromethane
Concen: 20.207 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
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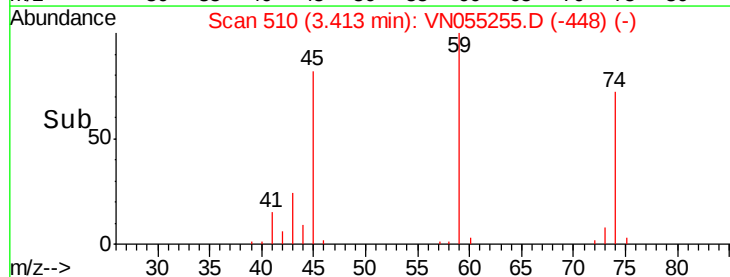
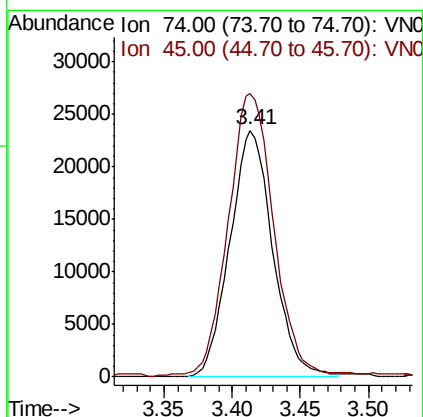
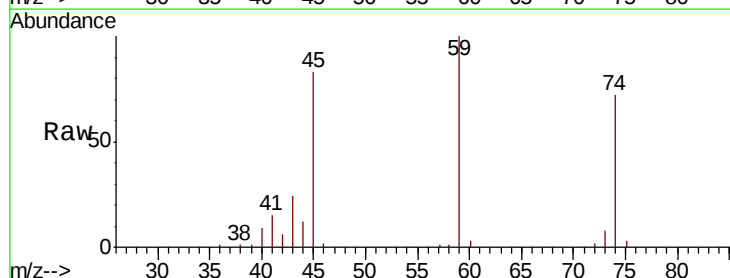
Tot Ion:101 Resp: 128536
Ion Ratio Lower Upper
101 100
103 63.2 54.6 81.8

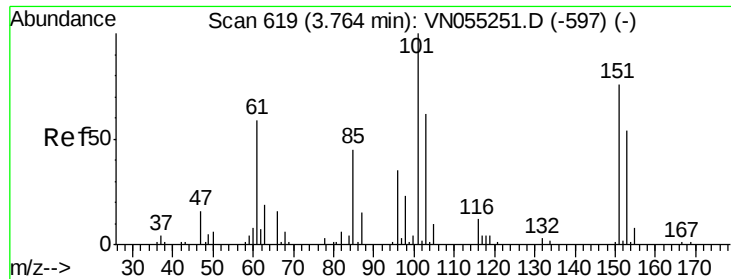


#8

Diethyl Ether
Concen: 19.821 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 74 Resp: 51183
Ion Ratio Lower Upper
74 100
45 119.2 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.589 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

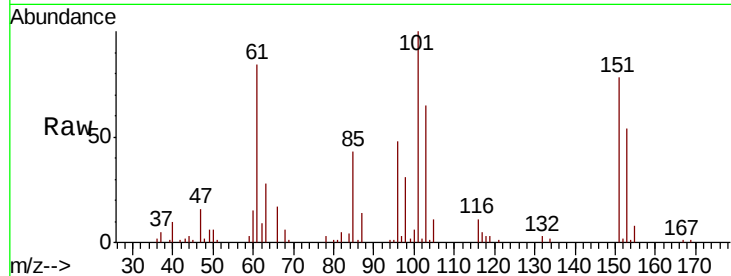
Tot Ion:101 Resp: 79309

Ion Ratio Lower Upper

101 100

85 45.0 0.0 89.0

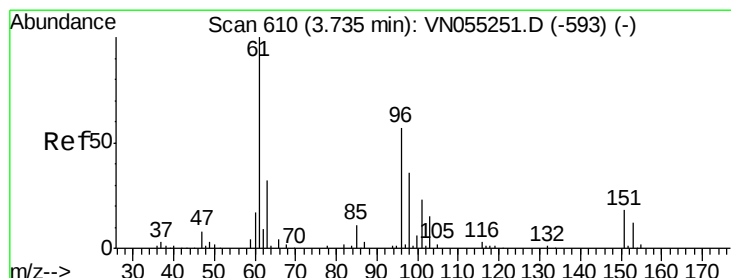
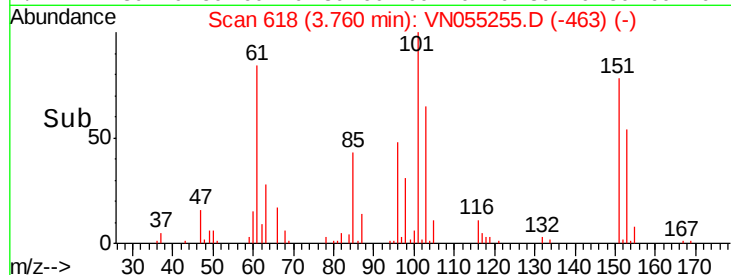
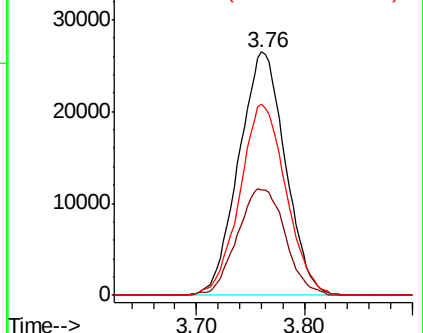
151 78.3 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.422 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

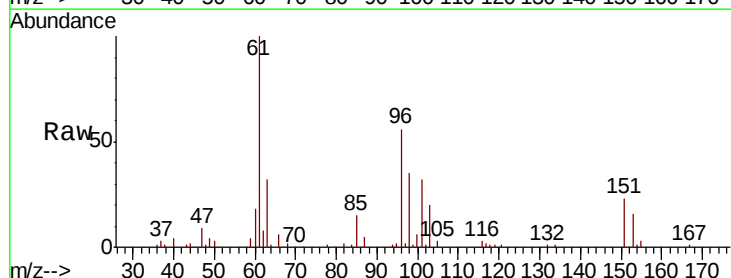
Tgt Ion: 96 Resp: 73206

Ion Ratio Lower Upper

96 100

61 176.3 139.9 209.9

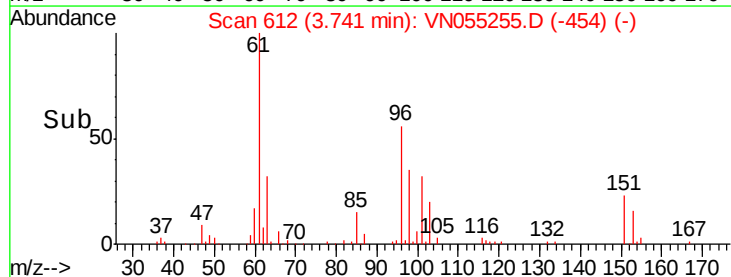
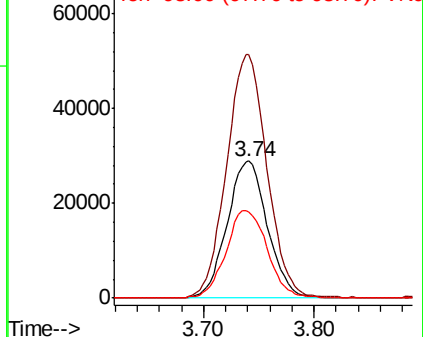
98 62.5 50.8 76.2

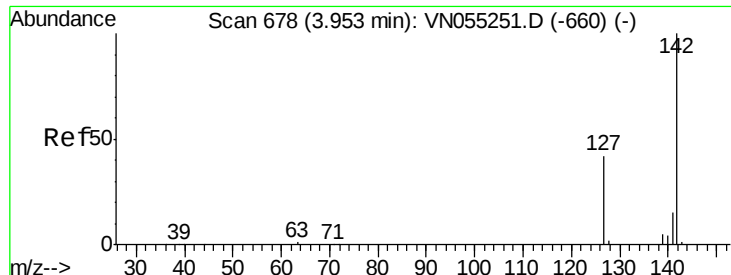


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

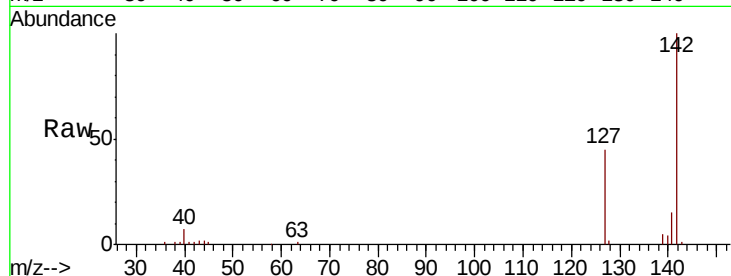




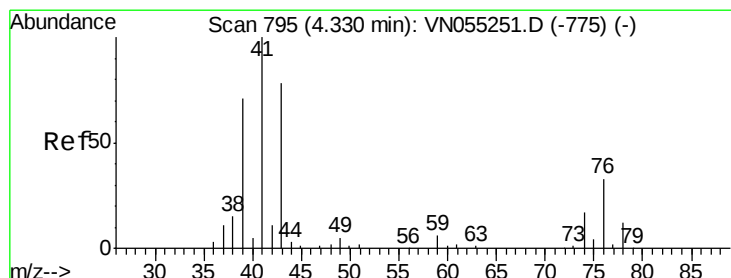
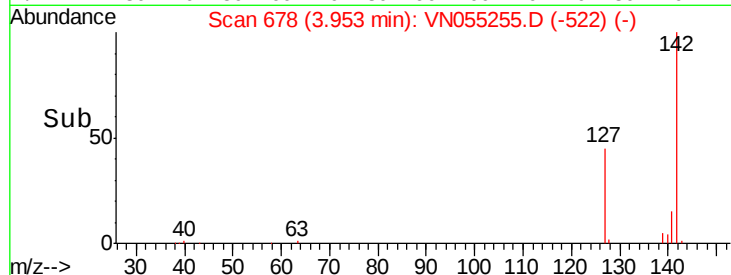
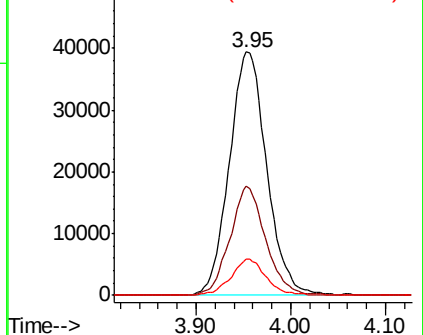
#11
Methyl Iodide
Concen: 18.256 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion:142 Resp: 108215
Ion Ratio Lower Upper
142 100
127 44.9 20.9 62.7
141 14.8 7.6 22.8

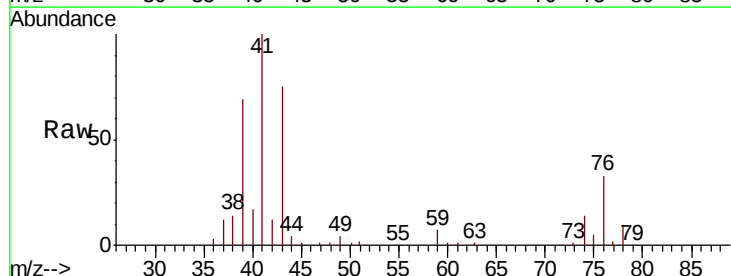


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

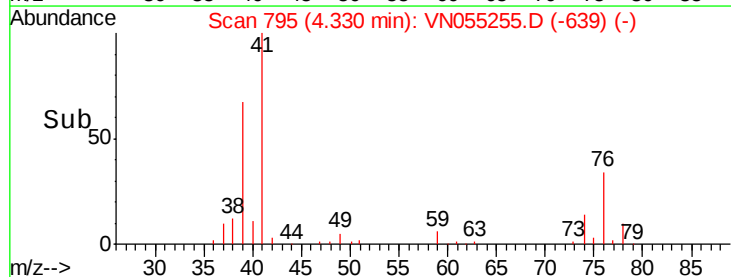
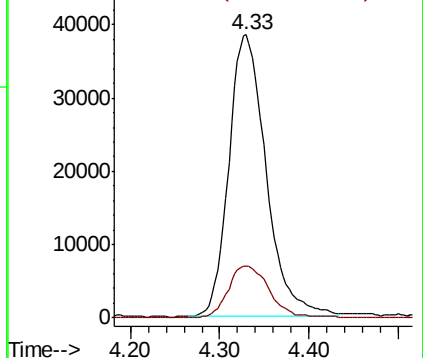


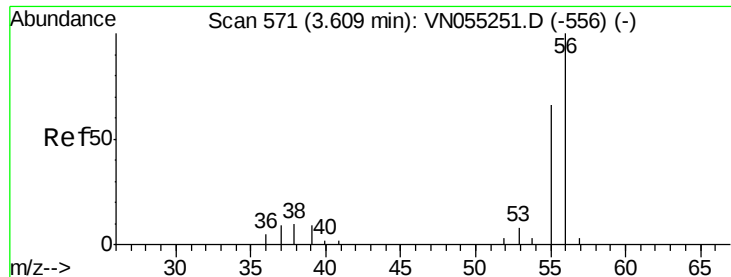
#12
Methyl Acetate
Concen: 20.477 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 43 Resp: 112026
Ion Ratio Lower Upper
43 100
74 18.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 97.440 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

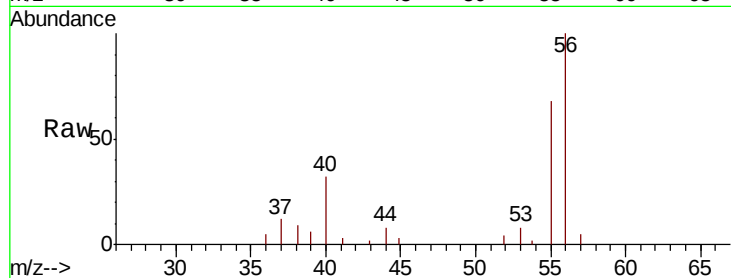
ICVVN042619

Tot Ion: 56 Resp: 23714

Ion Ratio Lower Upper

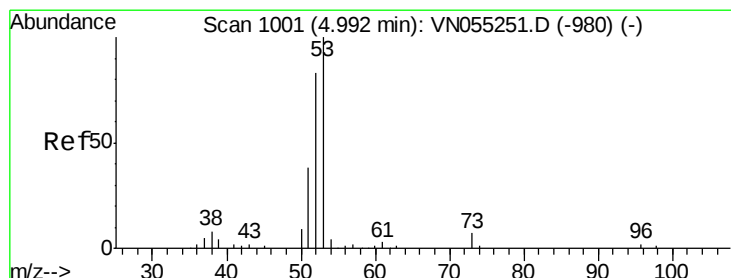
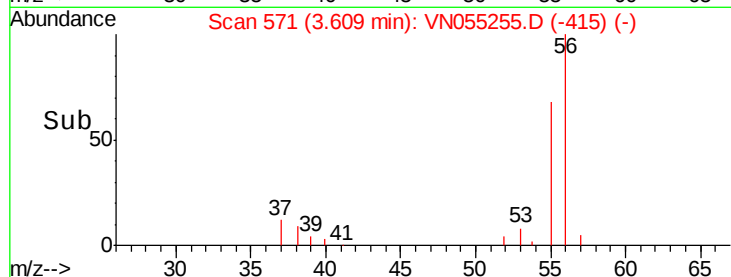
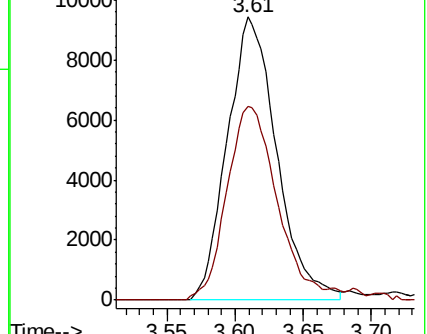
56 100

55 69.2 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.174 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

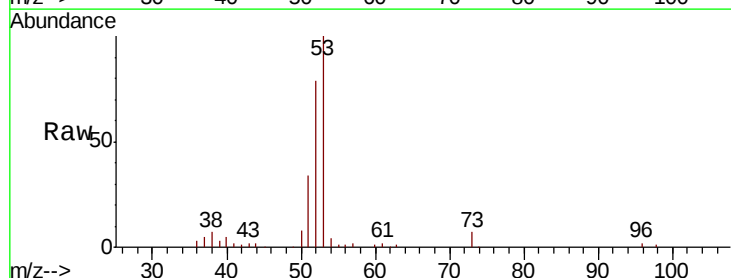
Tgt Ion: 53 Resp: 196602

Ion Ratio Lower Upper

53 100

52 82.9 41.0 123.2

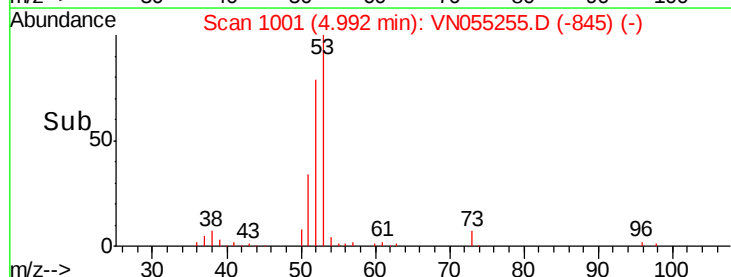
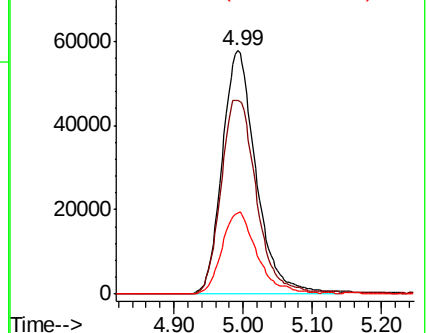
51 35.1 18.1 54.4

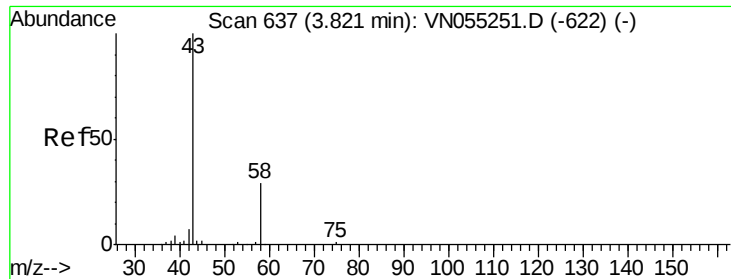


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.676 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

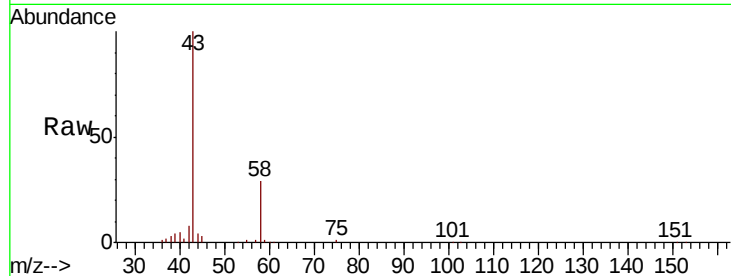
ICVVN042619

Tot Ion: 58 Resp: 42917

Ion Ratio Lower Upper

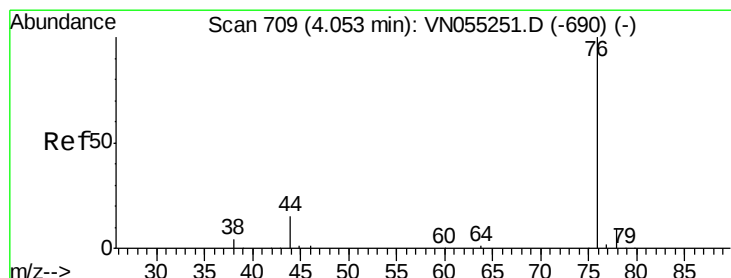
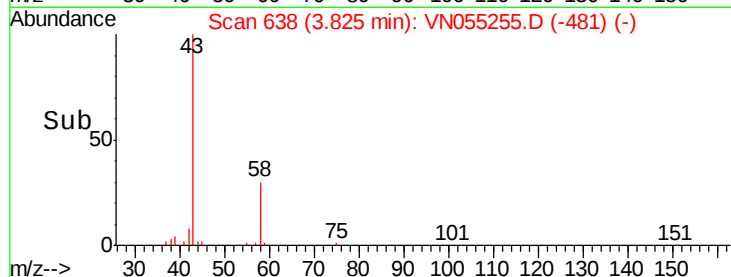
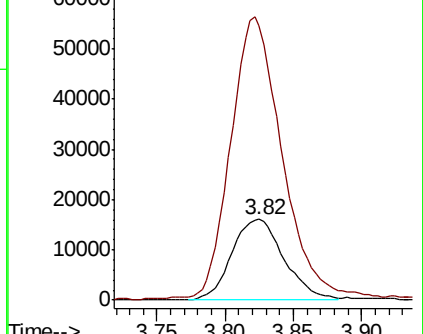
58 100

43 334.9 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.522 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055255.D

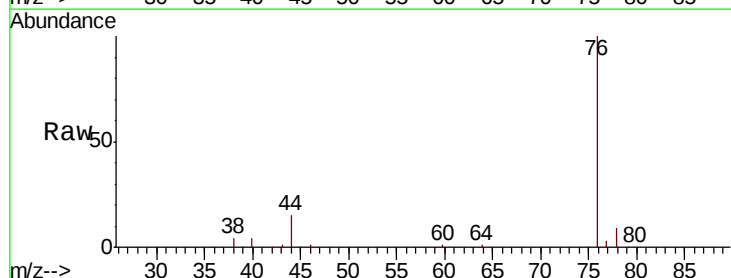
Acq: 25 Apr 2019 20:31

Tgt Ion: 76 Resp: 199998

Ion Ratio Lower Upper

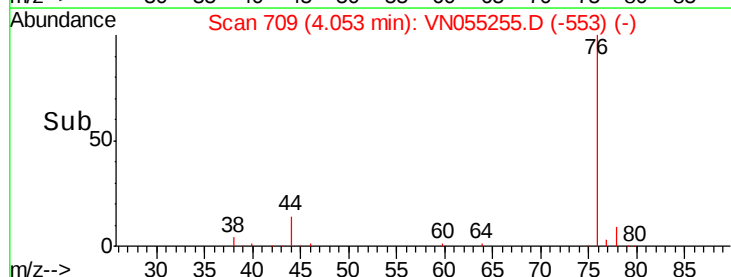
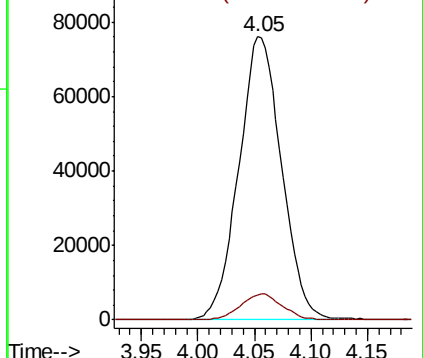
76 100

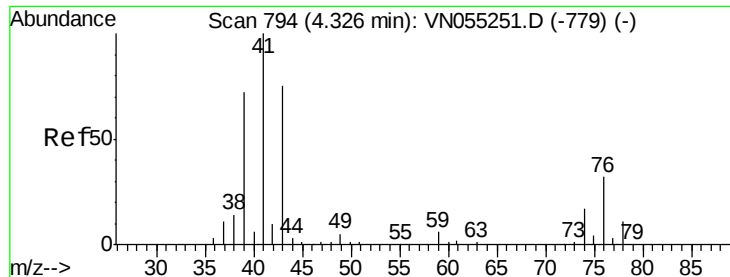
78 8.9 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.914 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVFN042619

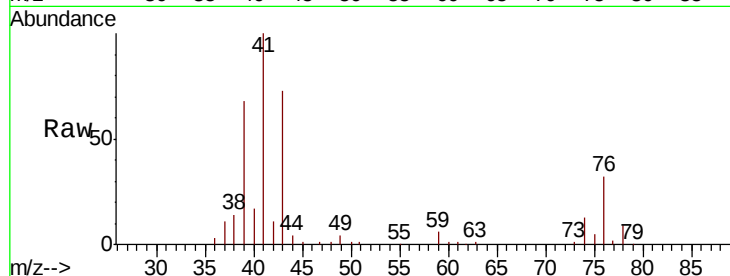
Tot Ion: 41 Resp: 161642

Ion Ratio Lower Upper

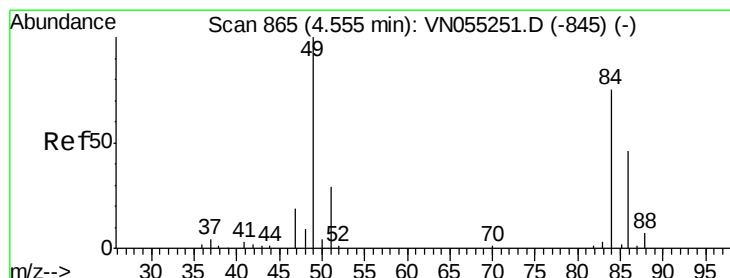
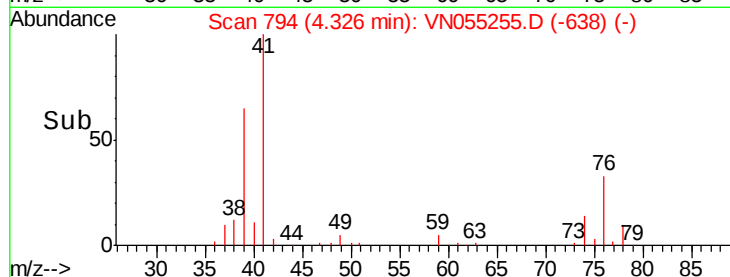
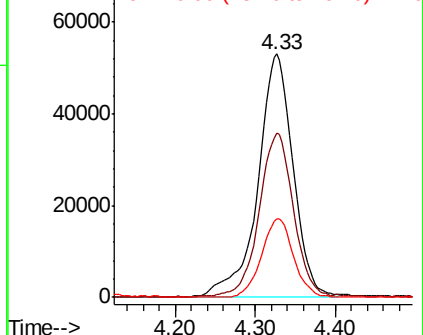
41 100

39 67.2 34.4 103.2

76 32.3 15.3 45.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 19.186 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion: 84 Resp: 89781

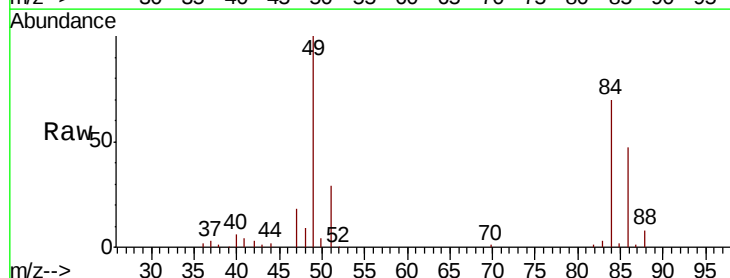
Ion Ratio Lower Upper

84 100

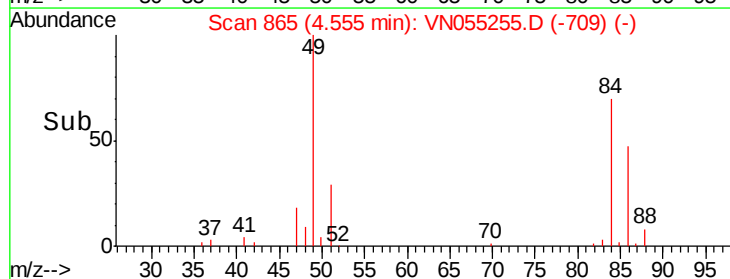
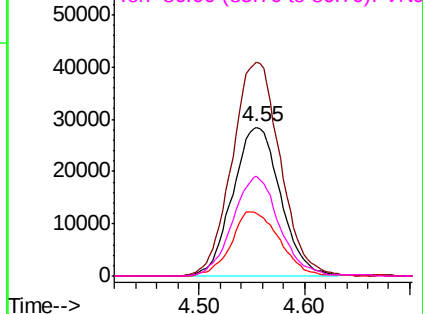
49 142.5 107.2 160.8

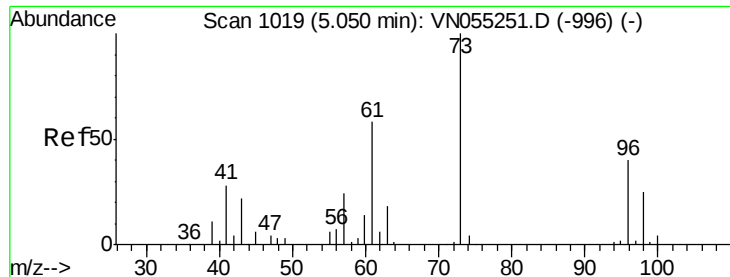
51 42.0 31.4 47.2

86 66.9 49.4 74.0



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

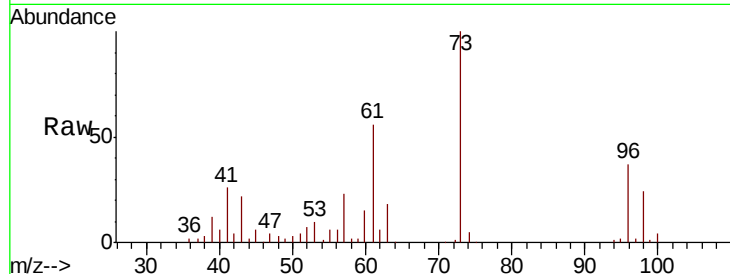




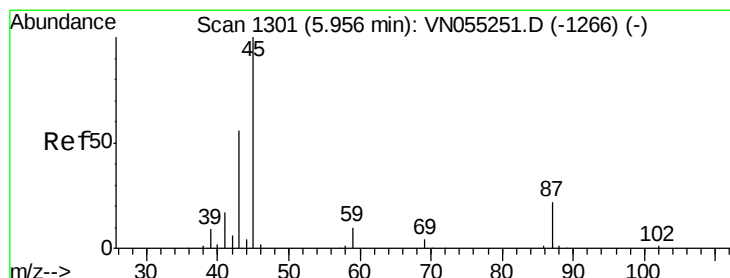
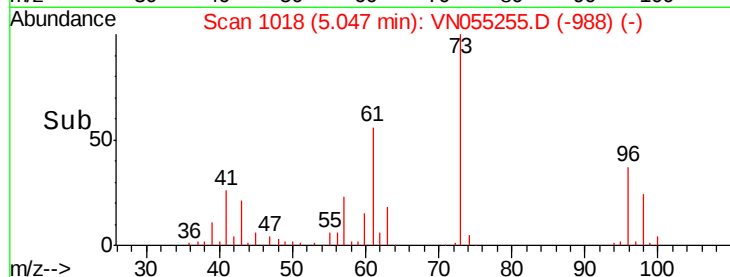
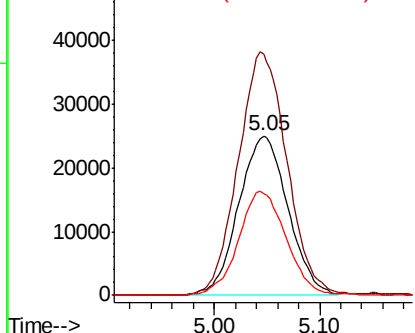
#19
trans-1,2-Dichloroethene
Concen: 19.771 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

Tot Ion: 96 Resp: 81190
Ion Ratio Lower Upper
96 100
61 150.2 116.3 174.5
98 63.9 49.4 74.2

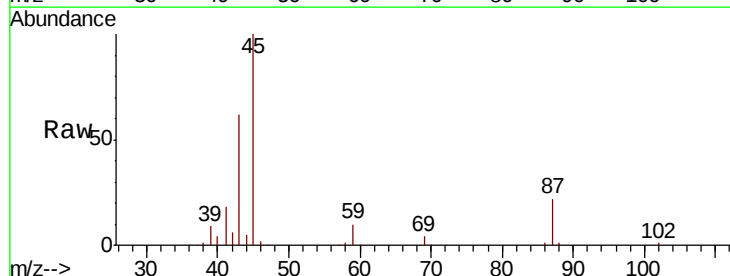


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

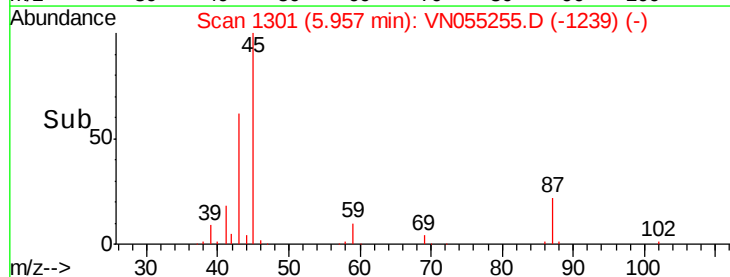
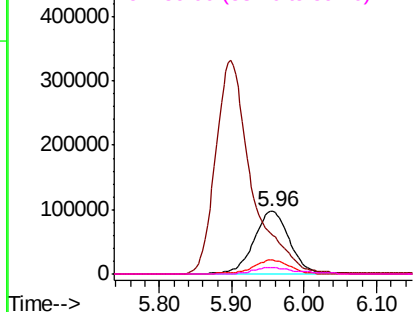


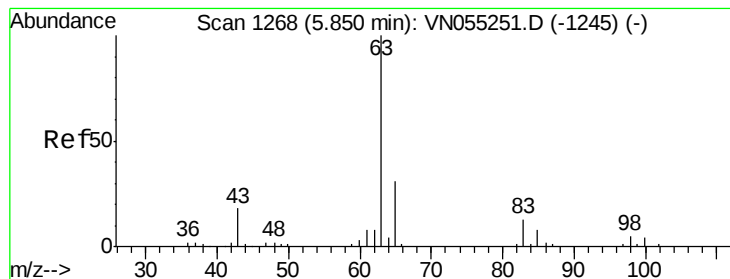
#20
Diisopropyl ether
Concen: 20.234 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 45 Resp: 334847
Ion Ratio Lower Upper
45 100
43 60.1 46.1 69.1
87 21.6 18.3 27.5
59 10.2 8.0 12.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.569 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

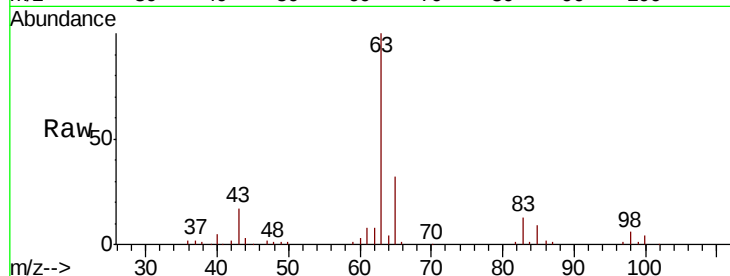
Tot Ion: 63 Resp: 168288

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

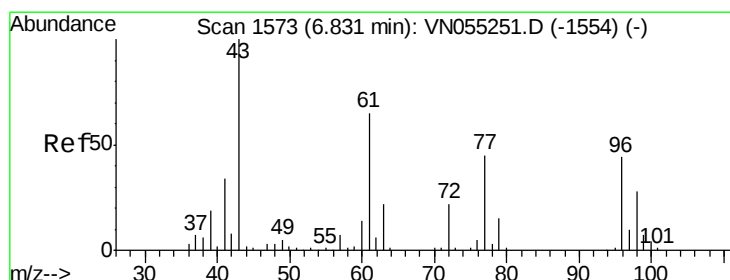
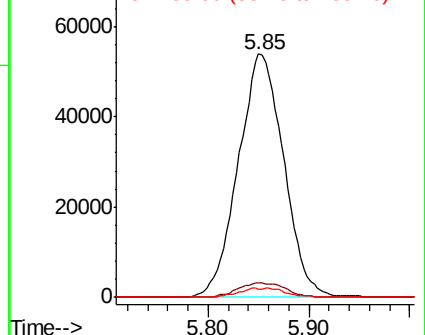
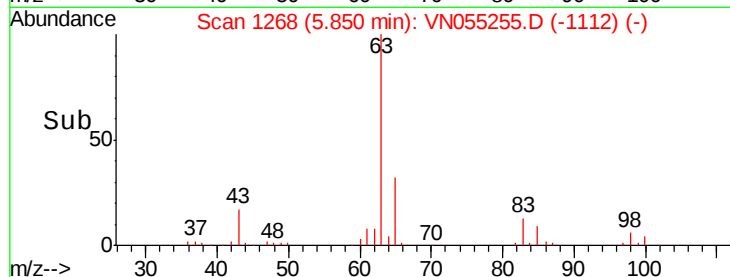
100 3.6 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.585 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

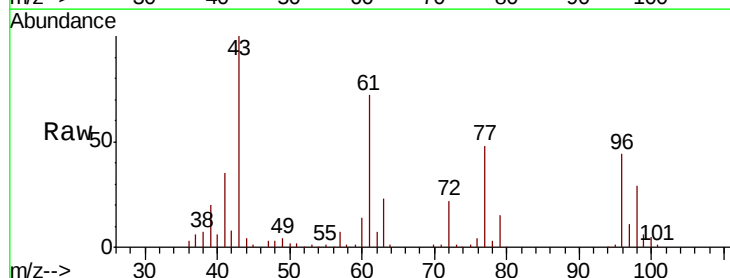
Tgt Ion: 96 Resp: 93174

Ion Ratio Lower Upper

96 100

61 158.7 129.1 193.7

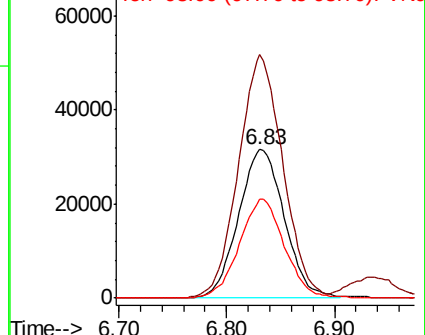
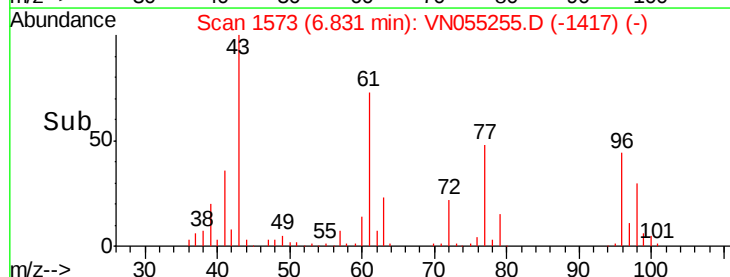
98 65.3 53.2 79.8

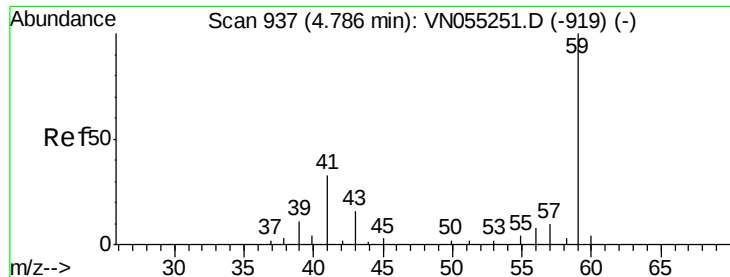


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



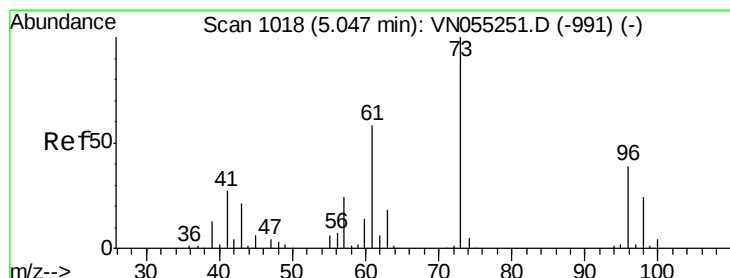
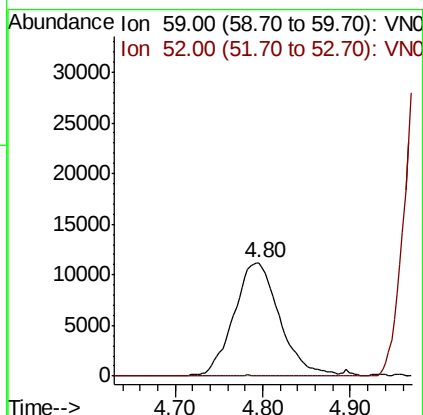
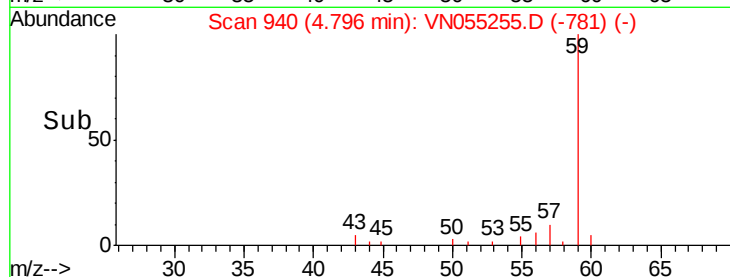
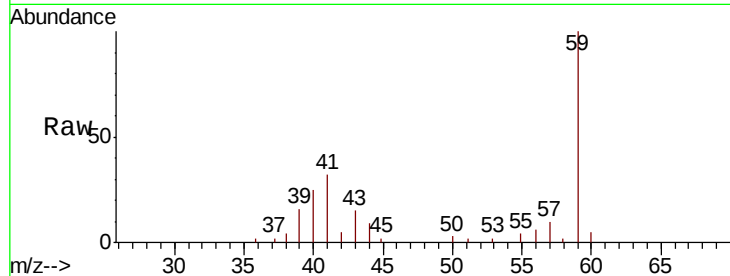


#23

tert-Butyl Alcohol
 Concen: 102.562 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

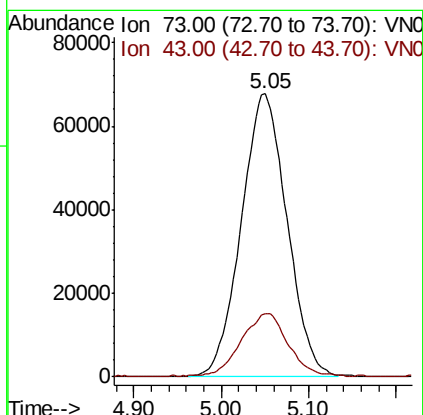
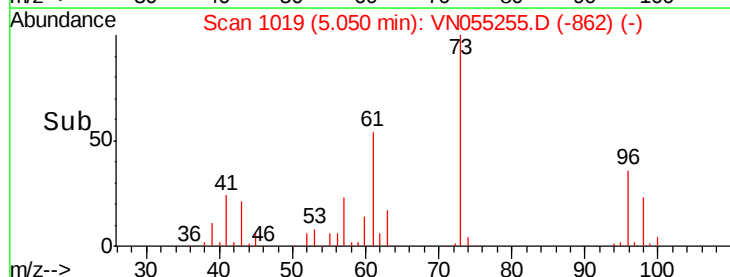
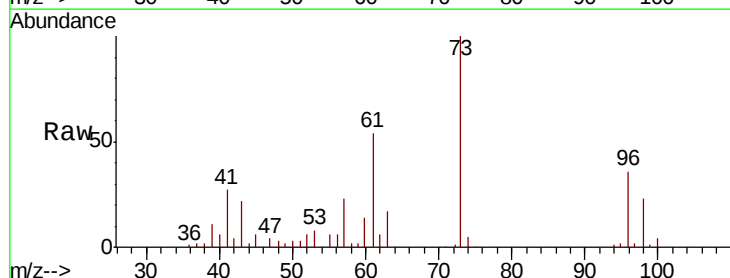
Tot Ion: 59 Resp: 40689
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

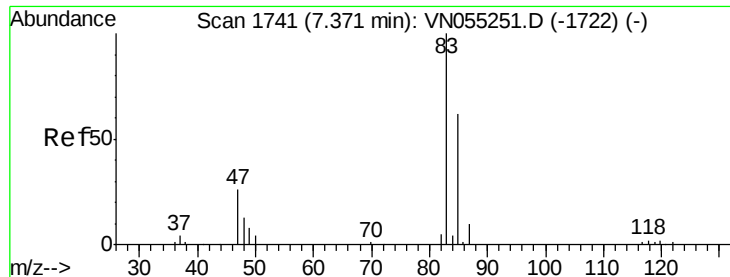


#24

Methyl tert-Butyl Ether
 Concen: 20.007 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 73 Resp: 245747
 Ion Ratio Lower Upper
 73 100
 43 23.2 17.9 26.9

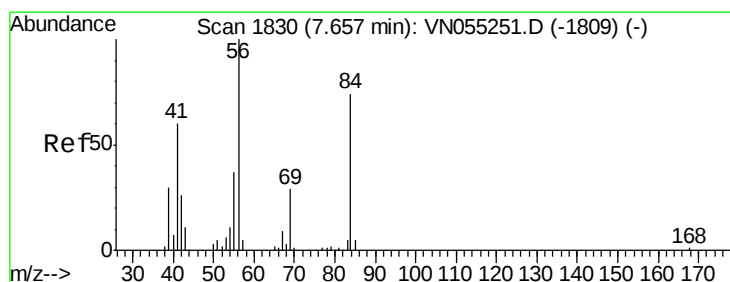
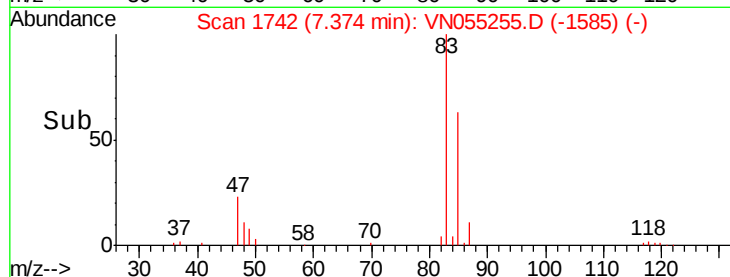
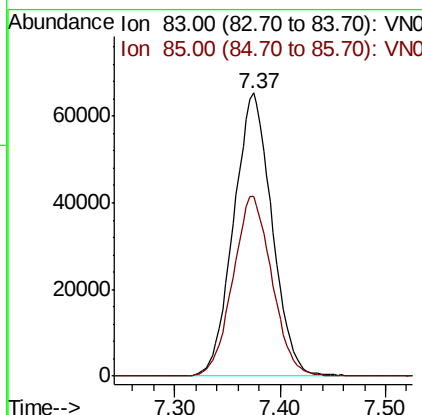
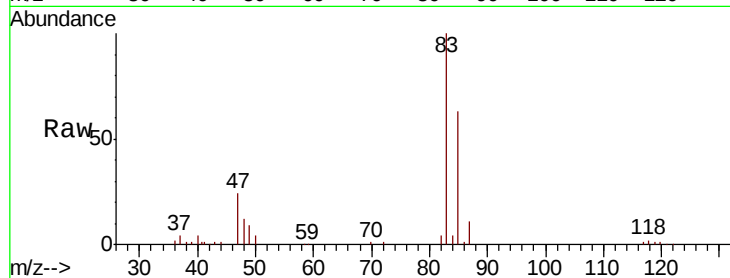




#25
Chloroform
Concen: 20.387 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

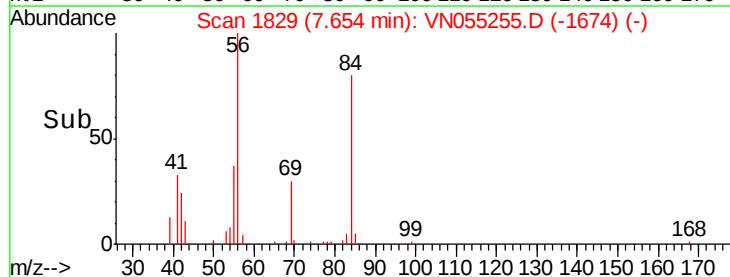
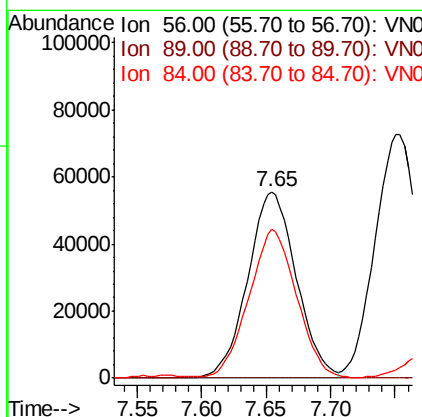
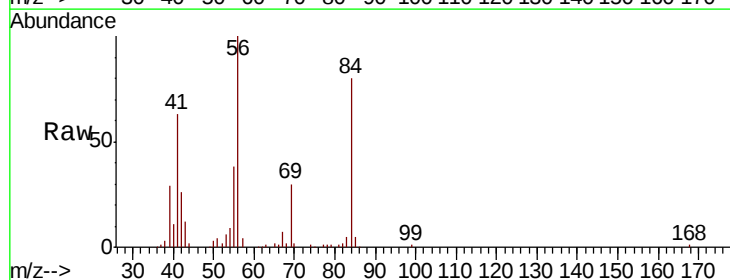
Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

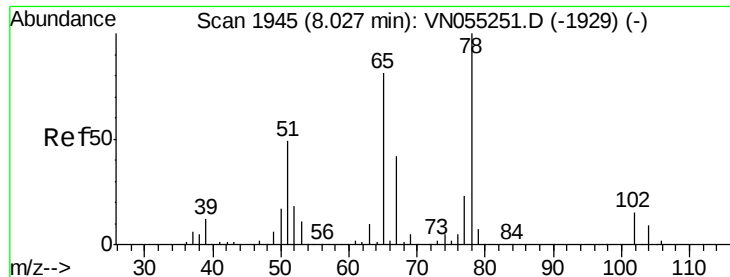
Tot Ion: 83 Resp: 164740
Ion Ratio Lower Upper
83 100
85 63.3 49.7 74.5



#26
Cyclohexane
Concen: 19.506 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 56 Resp: 145682
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.6 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 19.506 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

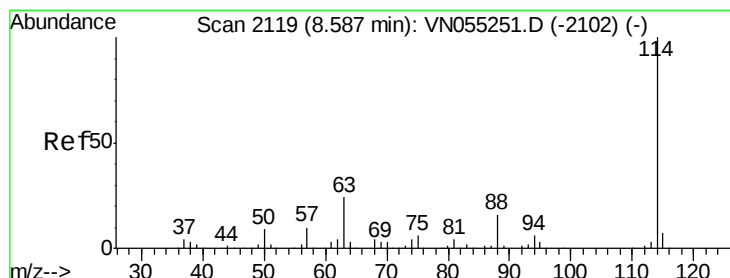
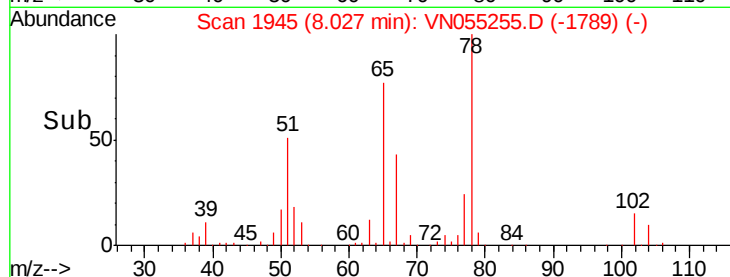
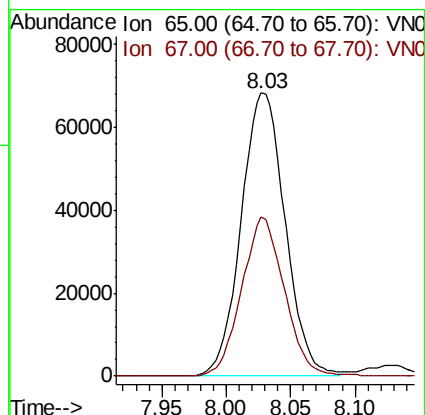
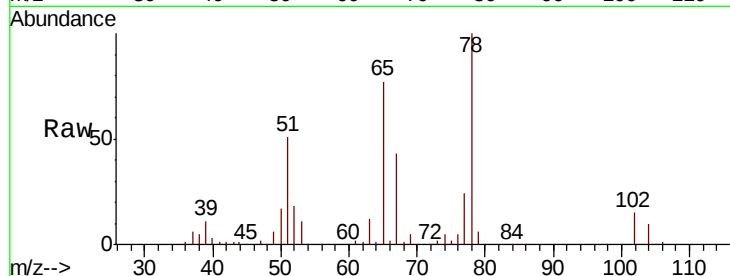
ICVFN042619

Tot Ion: 65 Resp: 162127

Ion Ratio Lower Upper

65 100

67 54.6 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

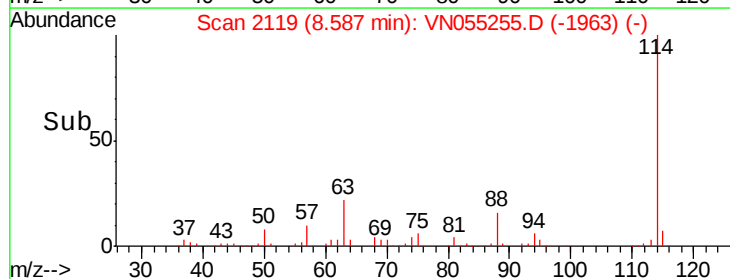
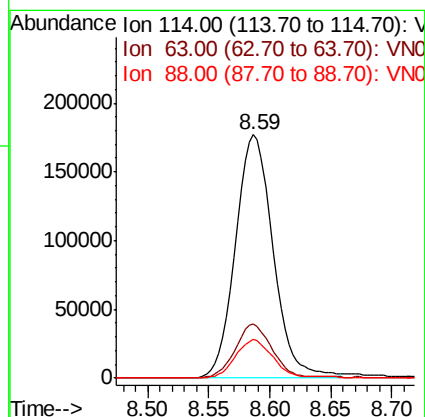
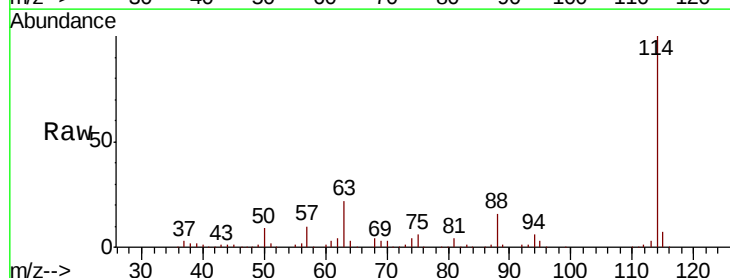
Tgt Ion: 114 Resp: 380495

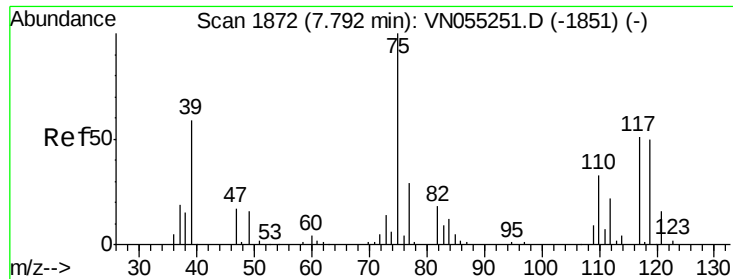
Ion Ratio Lower Upper

114 100

63 21.6 18.2 27.2

88 15.7 12.6 18.8

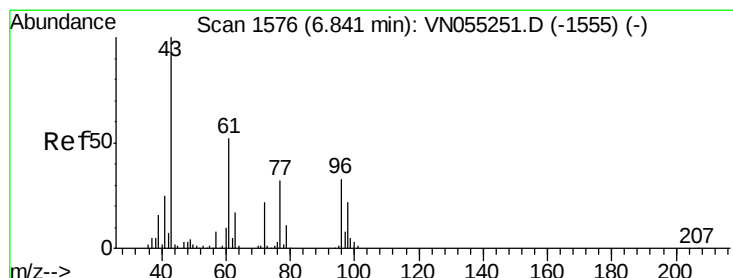
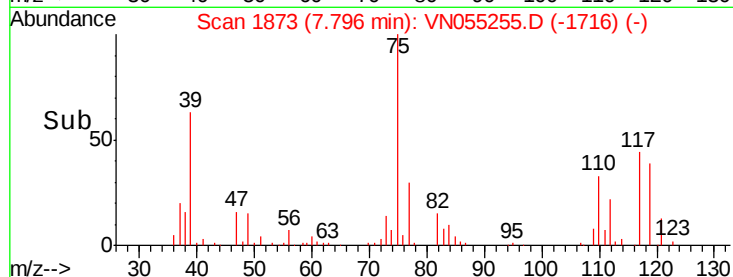
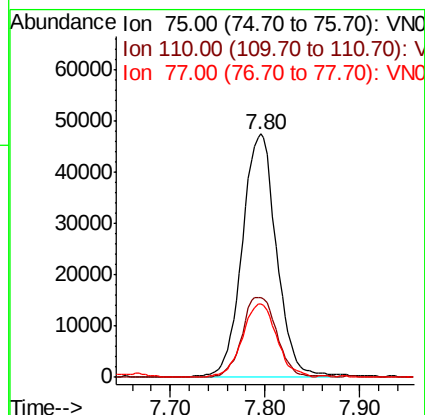
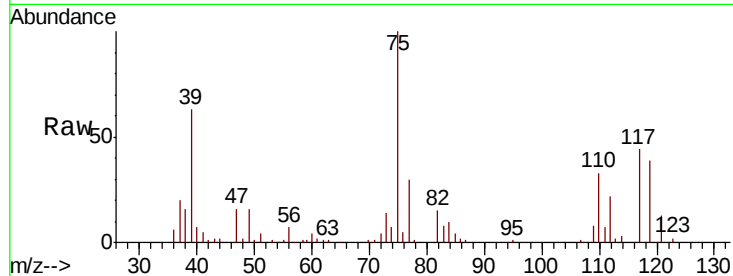




#29
 1,1-Dichloropropene
 Concen: 19.876 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

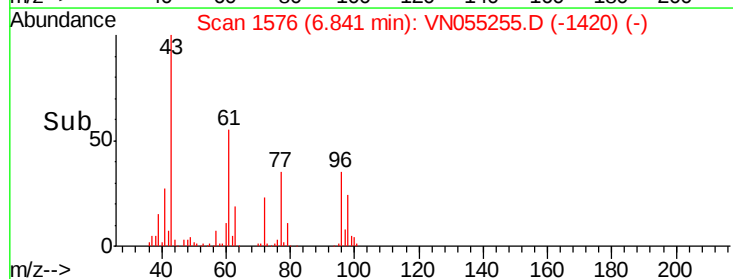
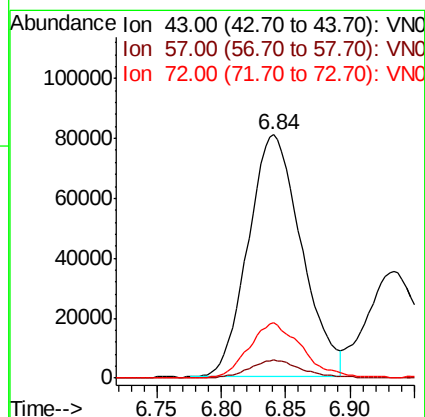
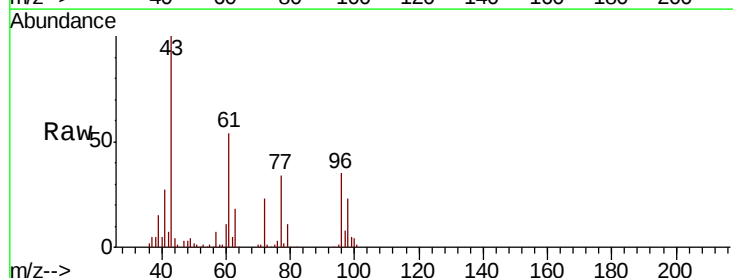
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

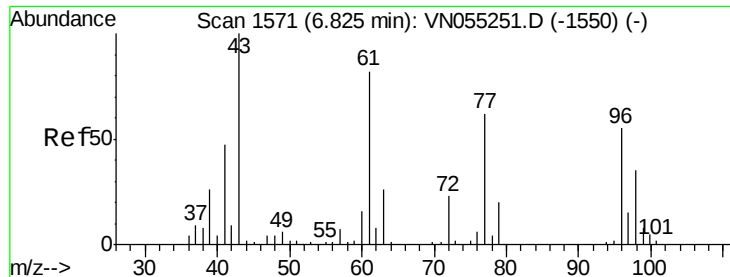
Tot Ion: 75 Resp: 119854
 Ion Ratio Lower Upper
 75 100
 110 33.1 0.0 68.6
 77 30.4 0.0 61.6



#30
 2-Butanone
 Concen: 95.517 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 43 Resp: 233422
 Ion Ratio Lower Upper
 43 100
 57 7.3 6.0 9.0
 72 22.7 17.9 26.9





#31

2,2-Dichloropropane

Concen: 18.975 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

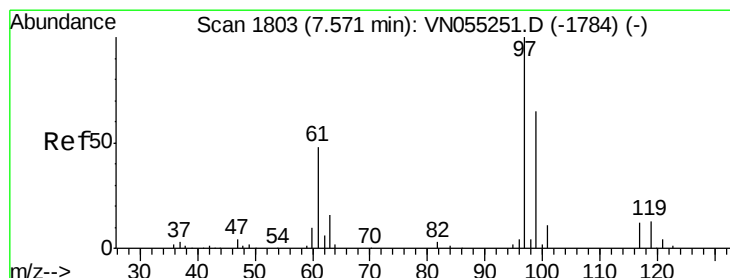
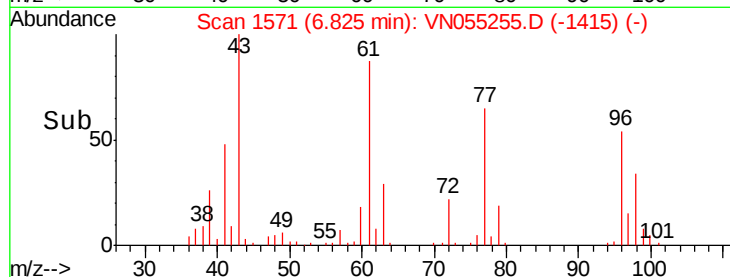
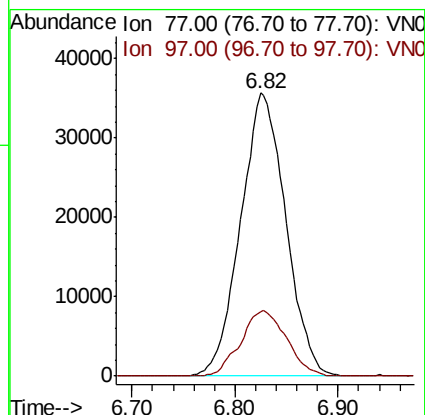
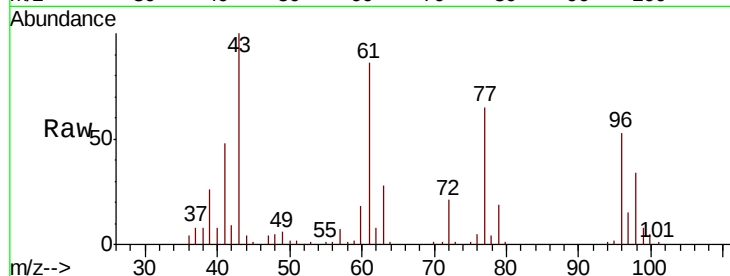
ICVVN042619

Tot Ion: 77 Resp: 108374

Ion Ratio Lower Upper

77 100

97 23.5 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 19.596 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

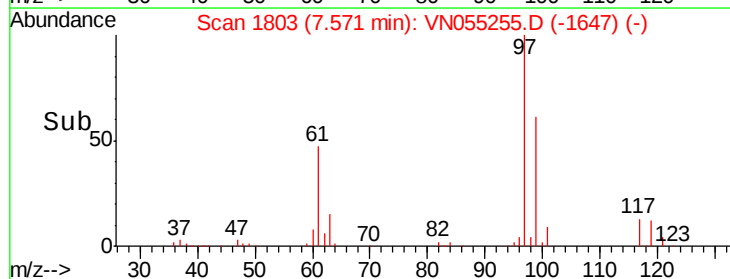
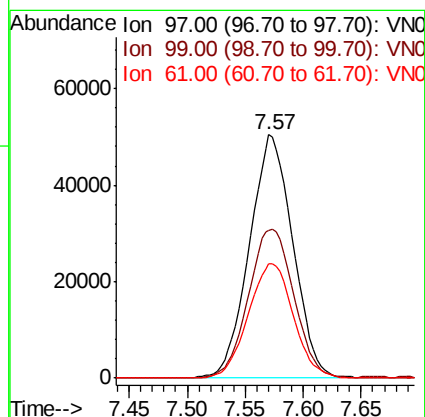
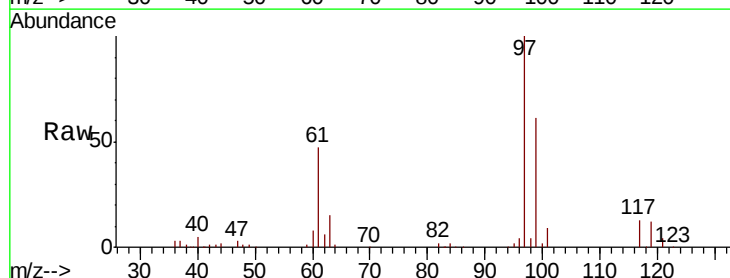
Tgt Ion: 97 Resp: 131361

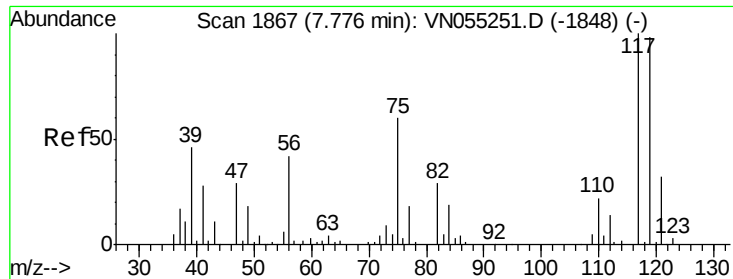
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 48.8 38.3 57.5

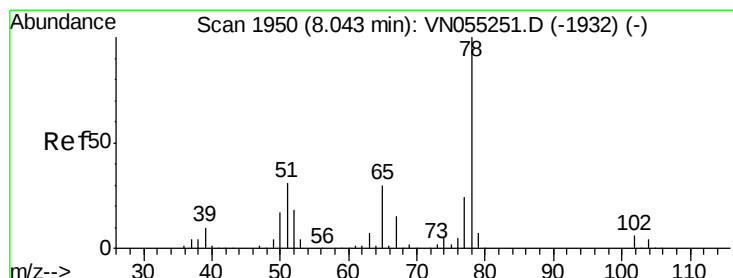
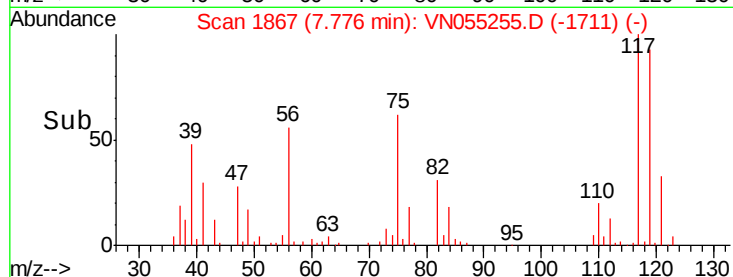
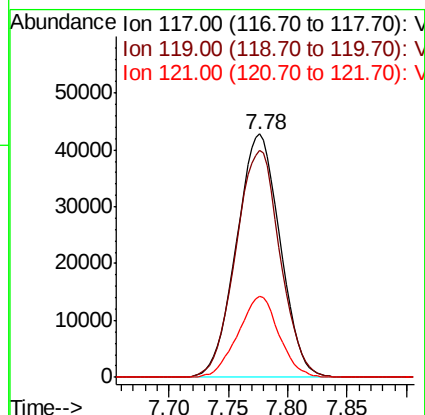
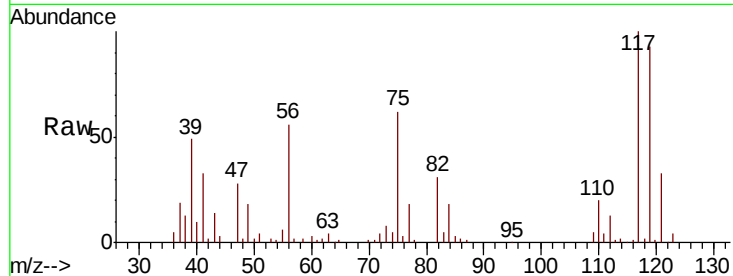




#33
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

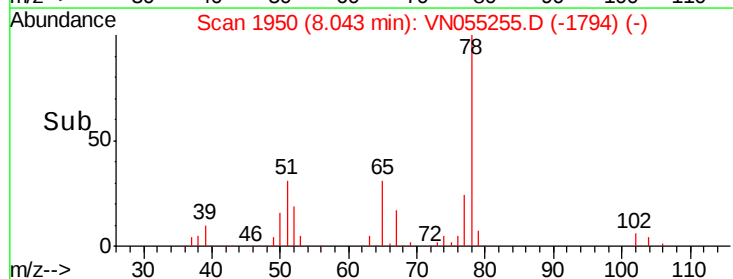
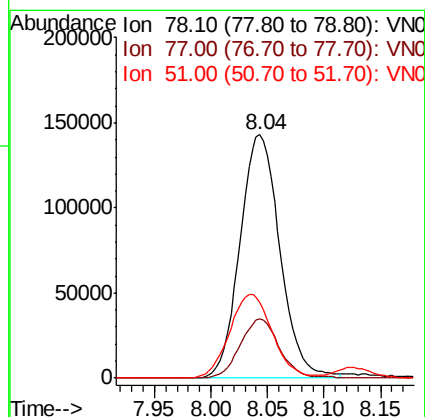
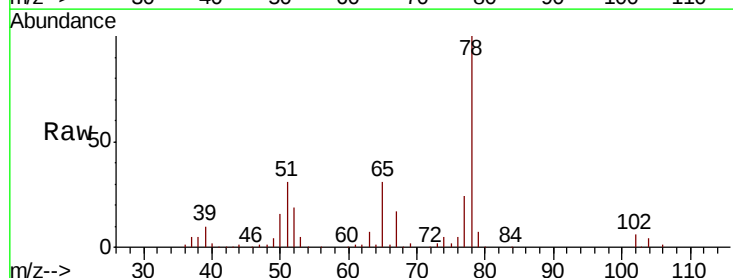
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

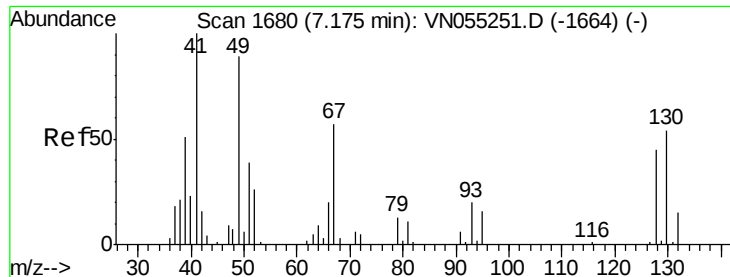
Tot Ion:117 Resp: 108703
Ion Ratio Lower Upper
117 100
119 93.4 78.7 118.1
121 33.1 25.8 38.6



#34
Benzene
Concen: 19.529 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 78 Resp: 352555
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7
51 30.9 24.5 36.7

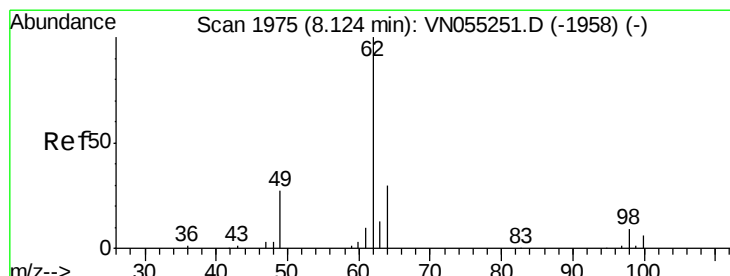
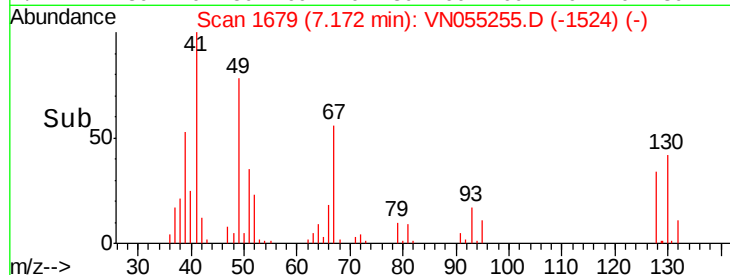
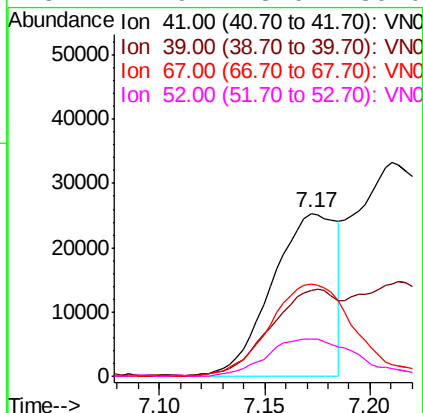
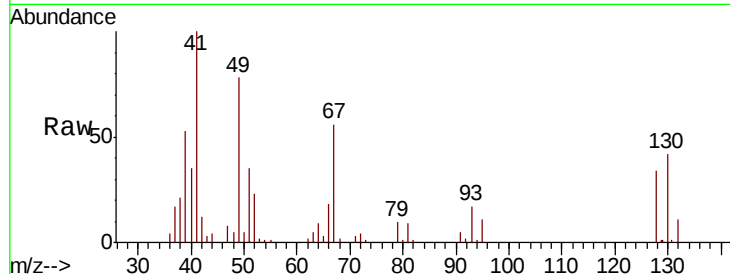




#35
Methacrylonitrile
Concen: 19.068 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

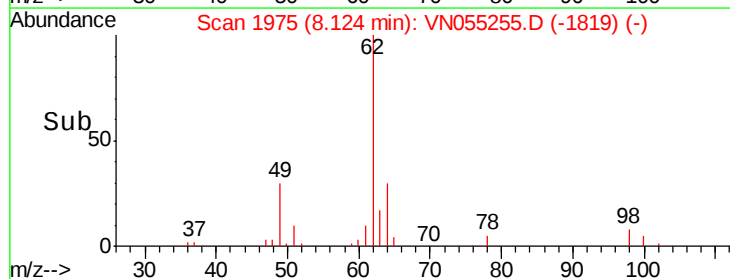
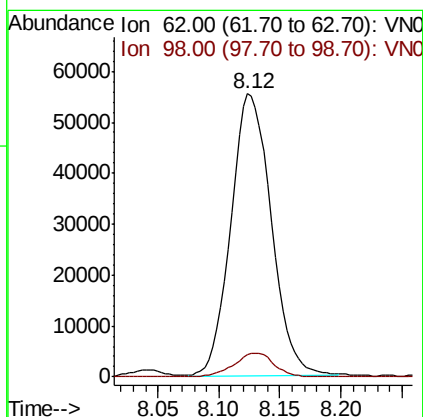
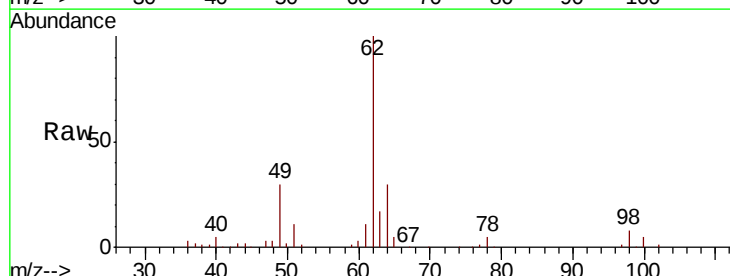
Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

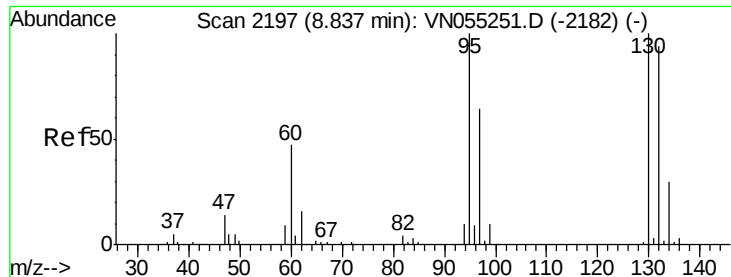
Tot Ion:	41	Resp:	53742
Ion	Ratio	Lower	Upper
41	100		
39	52.0	25.3	75.8
67	56.5	28.7	86.1
52	22.9	13.0	39.0



#36
1,2-Dichloroethane
Concen: 19.740 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:	62	Resp:	127132
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2

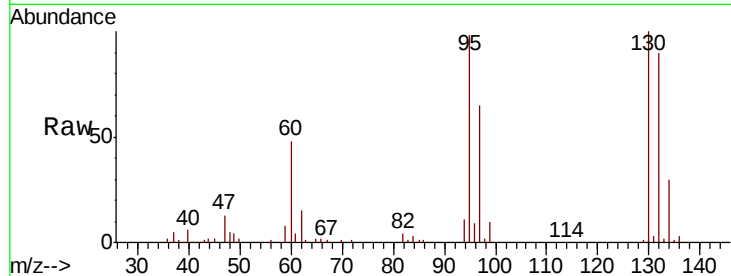




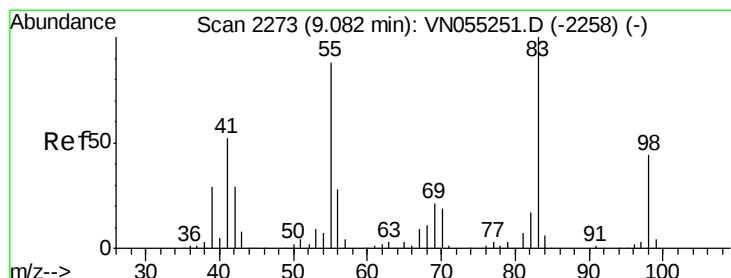
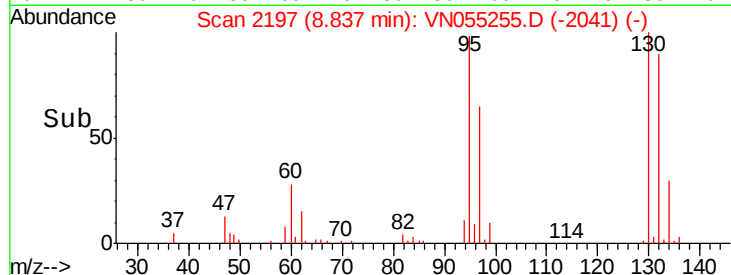
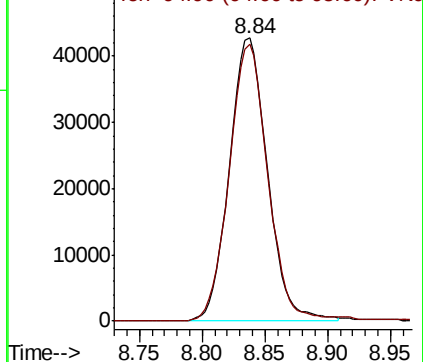
#37
 Trichloroethene
 Concen: 19.846 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion:130 Resp: 90428
 Ion Ratio Lower Upper
 130 100
 95 97.9 79.9 119.9

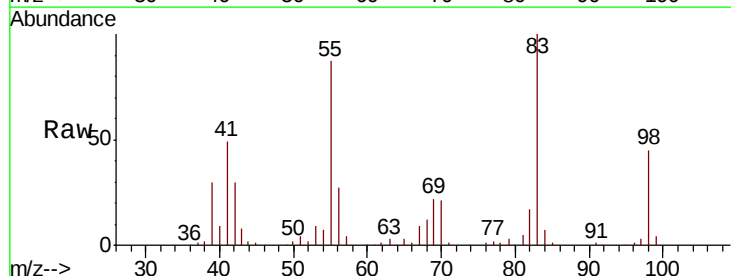


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

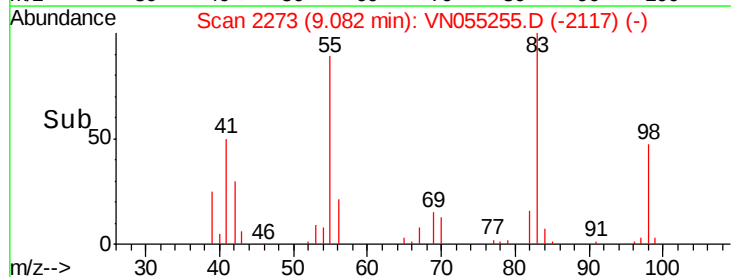
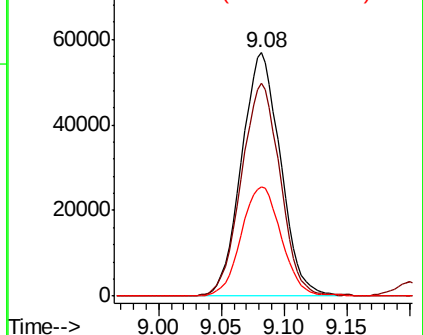


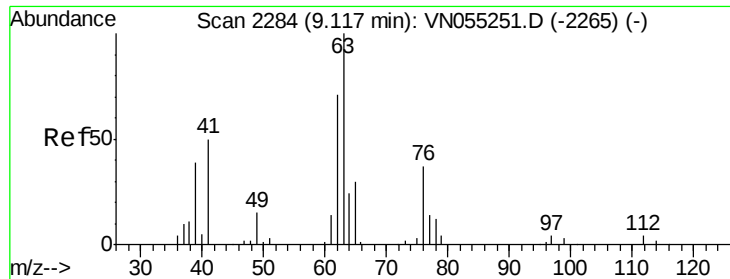
#38
 Methylcyclohexane
 Concen: 19.081 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 83 Resp: 123099
 Ion Ratio Lower Upper
 83 100
 55 86.8 43.8 131.4
 98 46.0 22.4 67.2



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

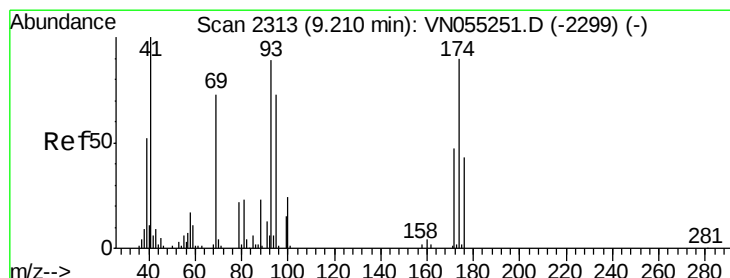
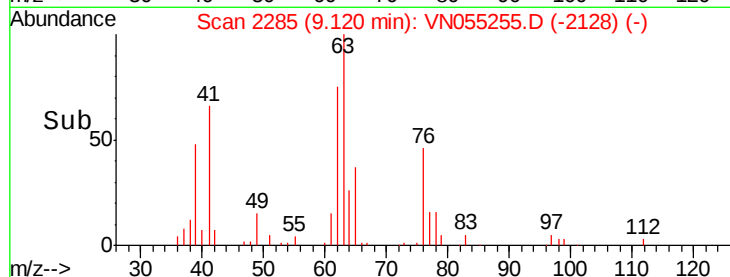
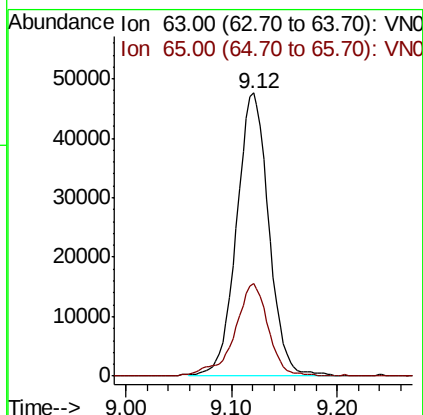
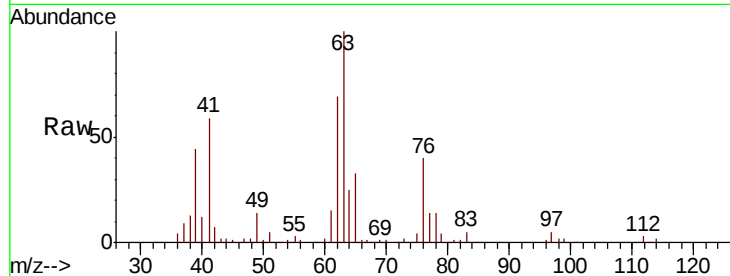




#39
 1,2-Dichloropropane
 Concen: 19.384 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

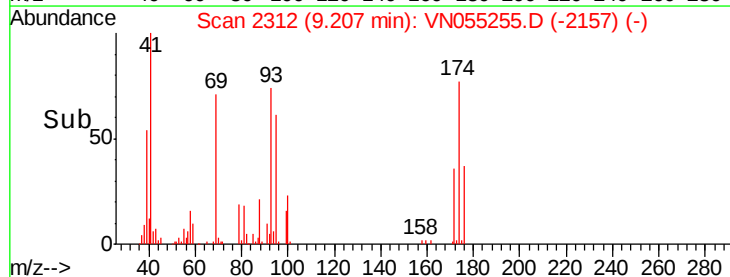
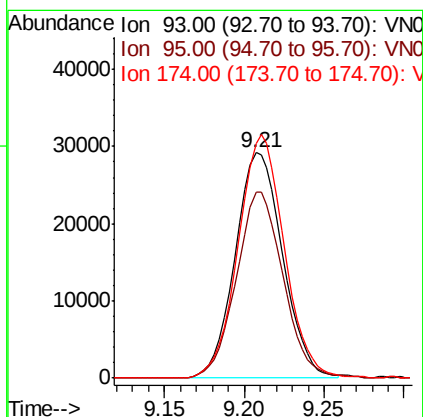
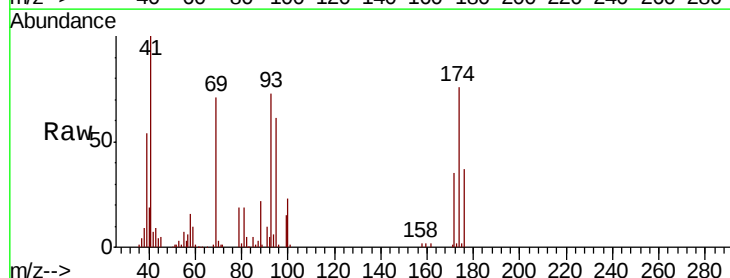
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

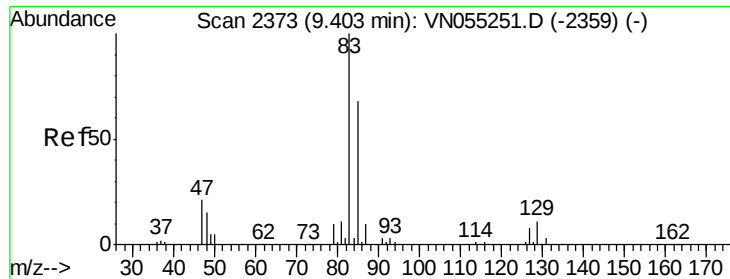
Tot Ion: 63 Resp: 100176
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.6 36.8



#40
 Dibromomethane
 Concen: 19.764 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 93 Resp: 59182
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 164.8
 174 104.6 0.0 203.4





#41

Bromodichloromethane

Concen: 19.398 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

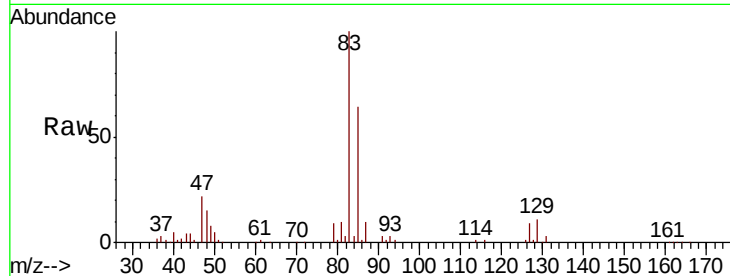
Tot Ion: 83 Resp: 118133

Ion Ratio Lower Upper

83 100

85 64.2 54.5 81.7

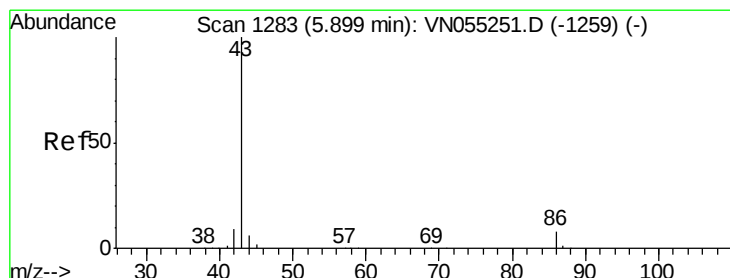
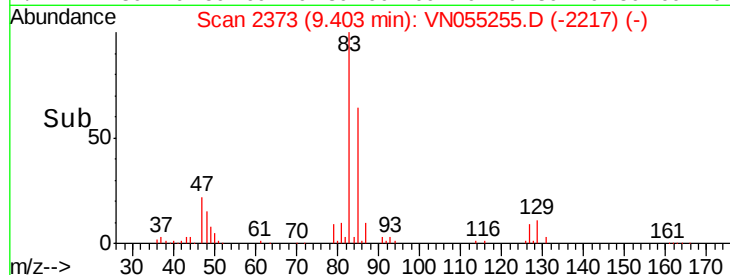
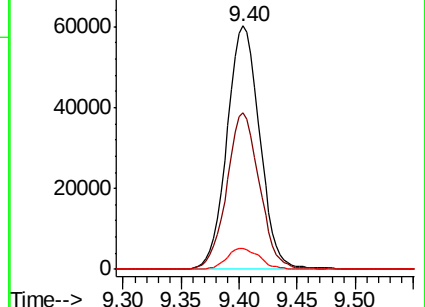
127 8.7 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.616 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055255.D

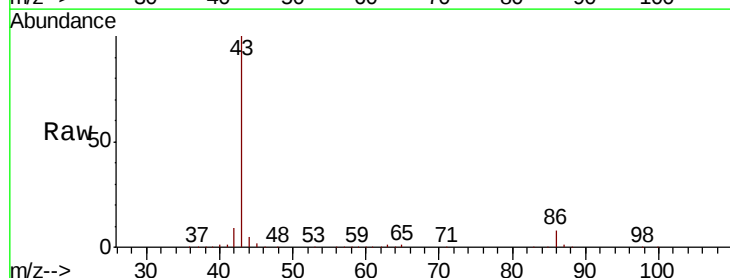
Acq: 25 Apr 2019 20:31

Tgt Ion: 43 Resp: 1142366

Ion Ratio Lower Upper

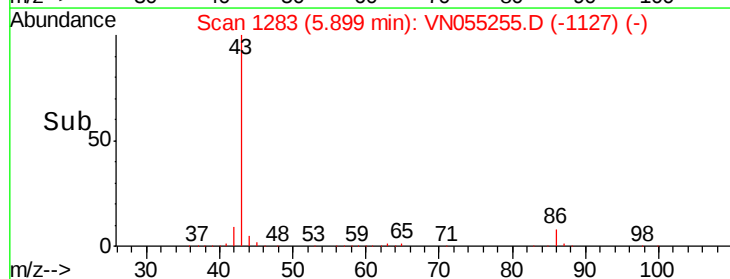
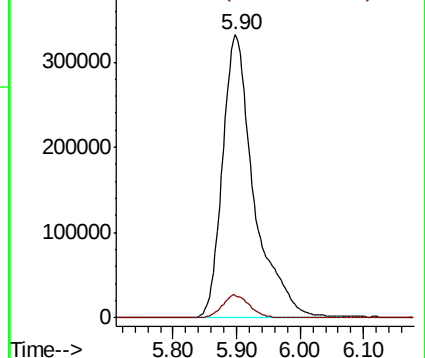
43 100

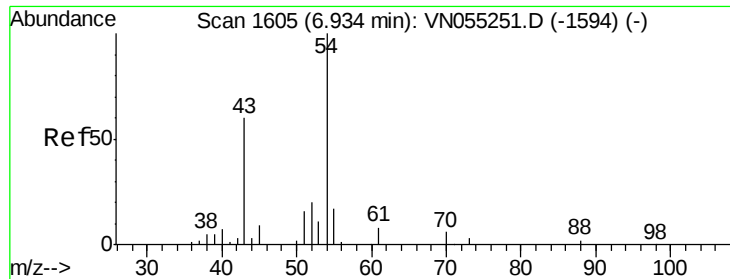
86 7.0 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.105 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

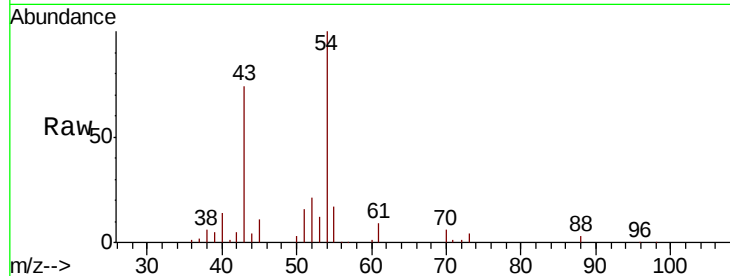
ICVVN042619

Tot Ion: 43 Resp: 101825

Ion Ratio Lower Upper

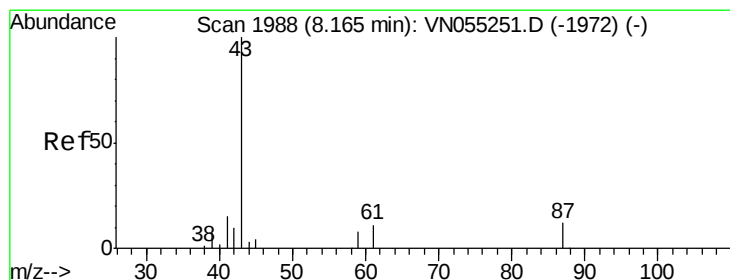
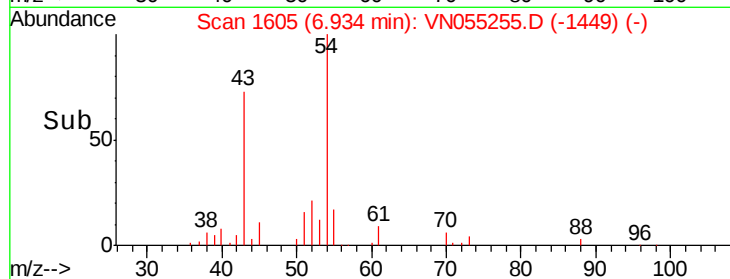
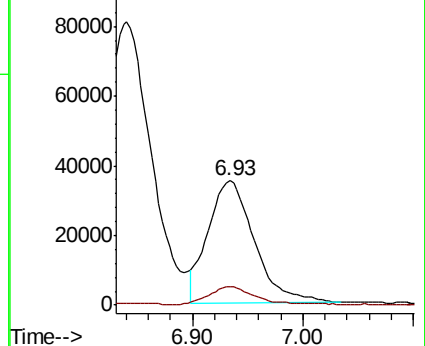
43 100

45 14.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.746 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055255.D

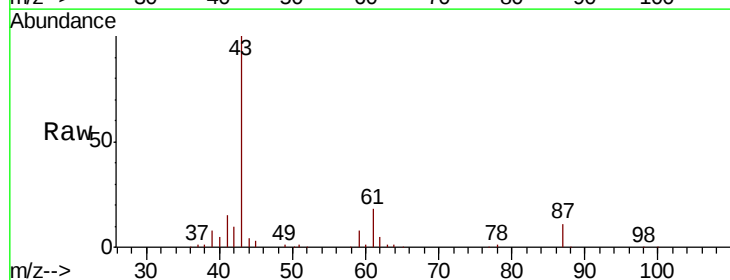
Acq: 25 Apr 2019 20:31

Tgt Ion: 43 Resp: 184022

Ion Ratio Lower Upper

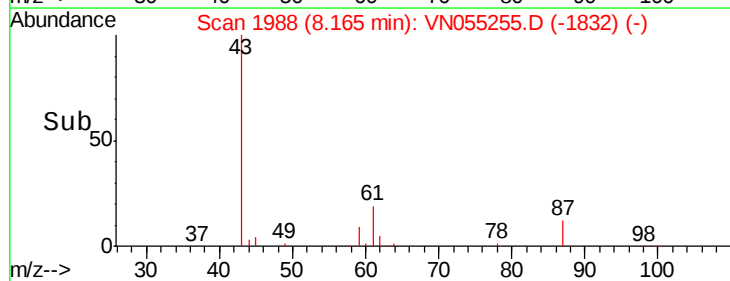
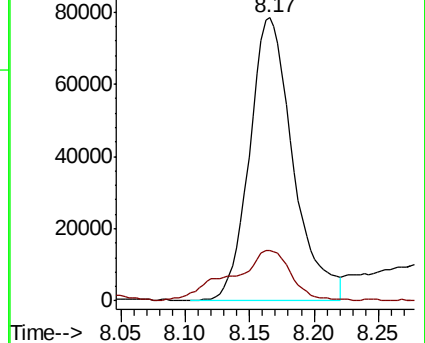
43 100

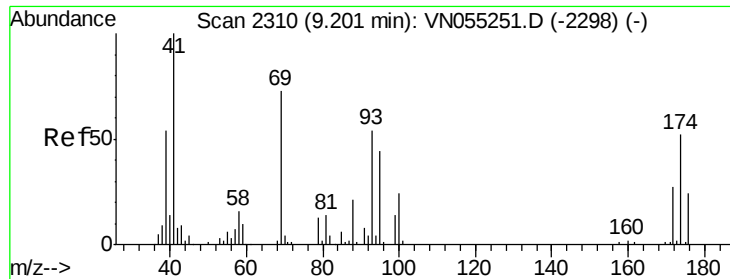
61 23.8 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

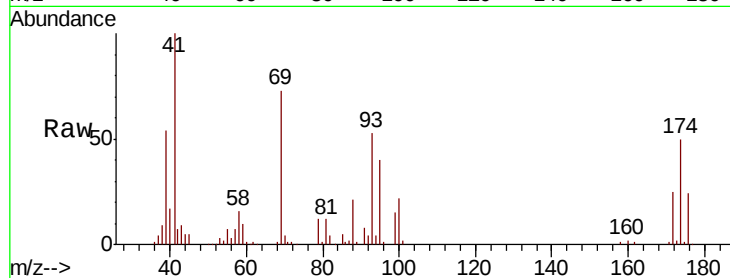




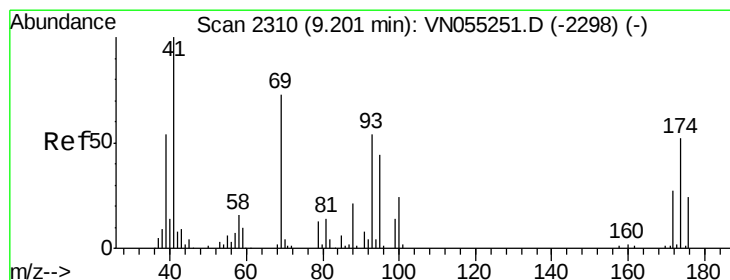
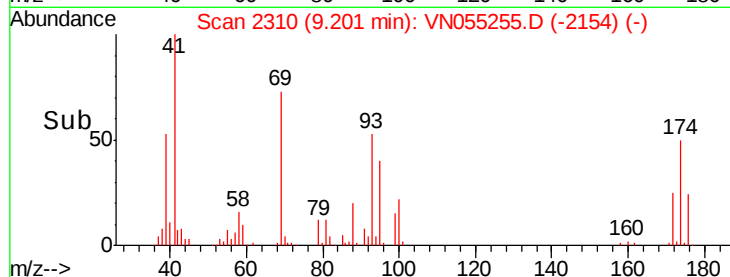
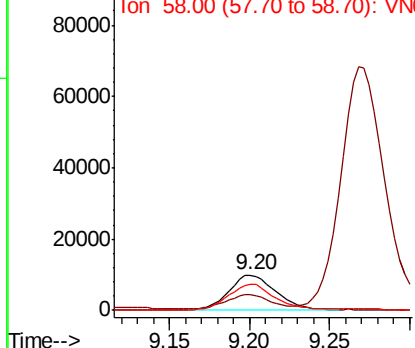
#45
 1,4-Dioxane
 Concen: 412.965 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion: 88 Resp: 19946
 Ion Ratio Lower Upper
 88 100
 43 36.7 29.4 44.0
 58 73.1 62.4 93.6

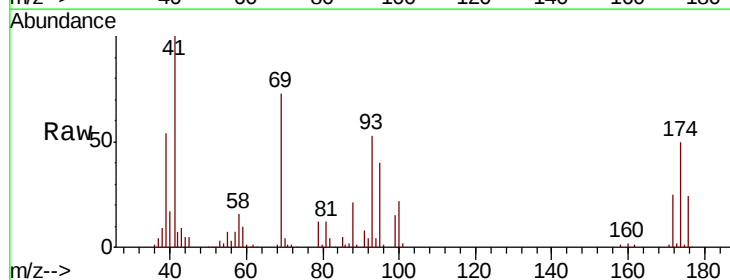


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

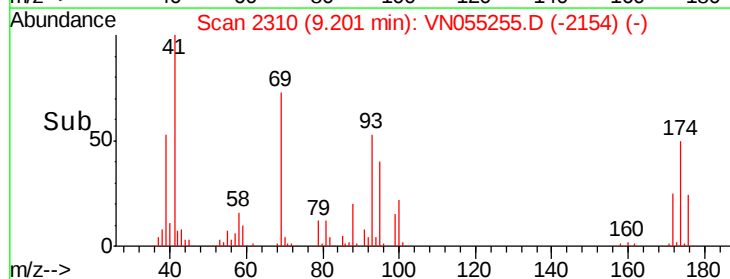
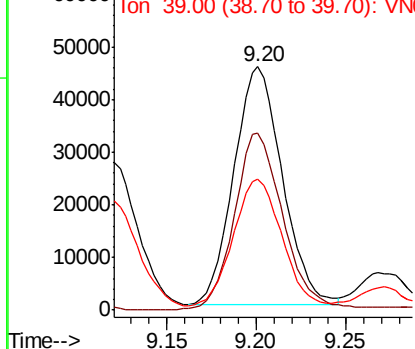


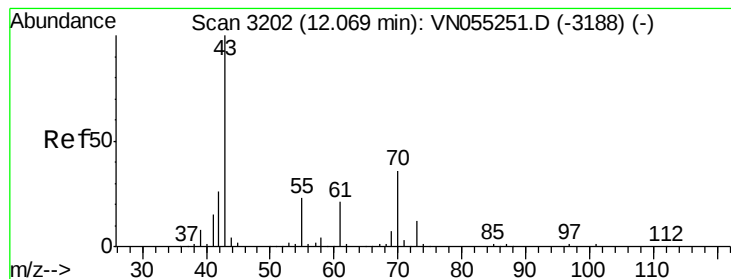
#46
 Methyl methacrylate
 Concen: 19.658 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 41 Resp: 86261
 Ion Ratio Lower Upper
 41 100
 69 73.9 36.4 109.3
 39 53.0 26.9 80.7



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





#47

n-amvl Acetate

Concen: 18.187 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

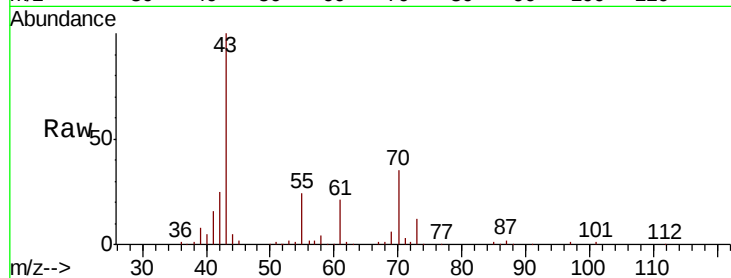
ICVFN042619

Tot Ion: 43 Resp: 120579

Ion Ratio Lower Upper

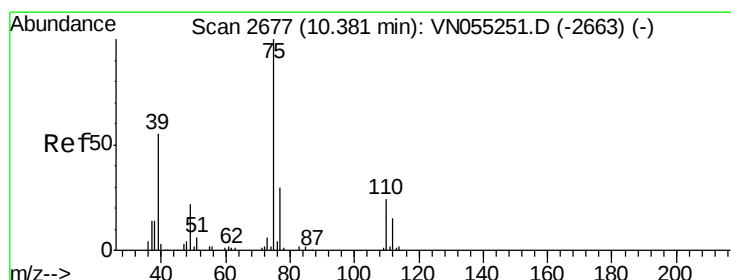
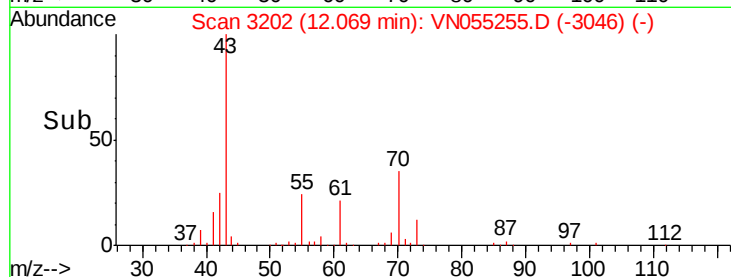
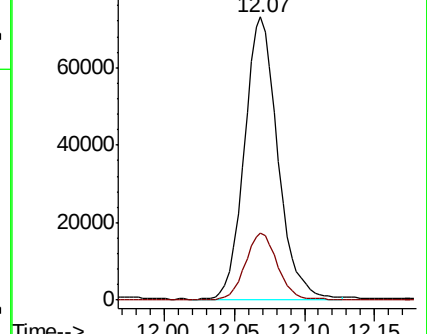
43 100

55 23.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.893 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055255.D

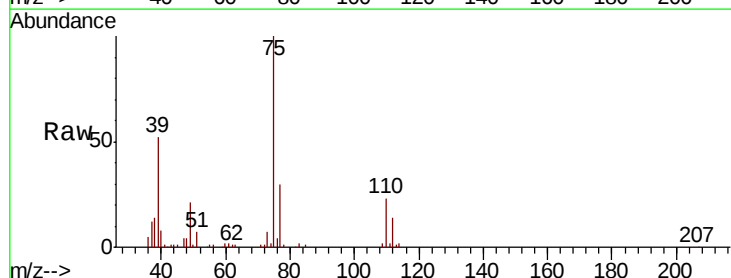
Acq: 25 Apr 2019 20:31

Tgt Ion: 75 Resp: 113210

Ion Ratio Lower Upper

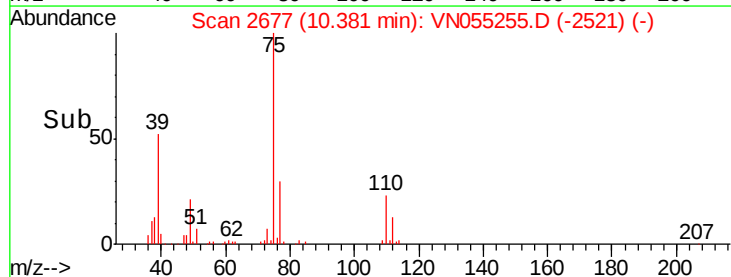
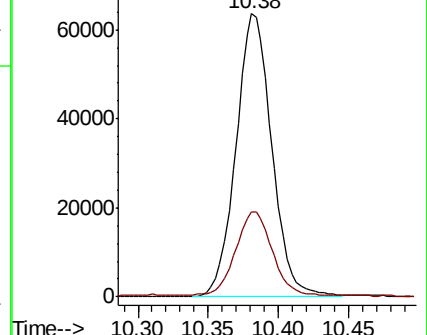
75 100

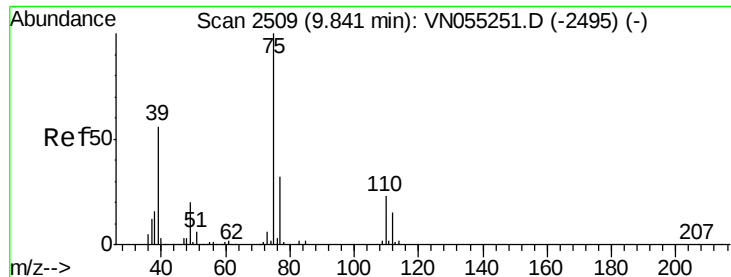
77 29.5 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 19.144 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

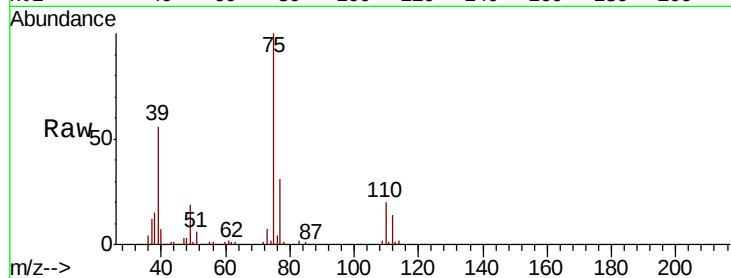
Tot Ion: 75 Resp: 133084

Ion Ratio Lower Upper

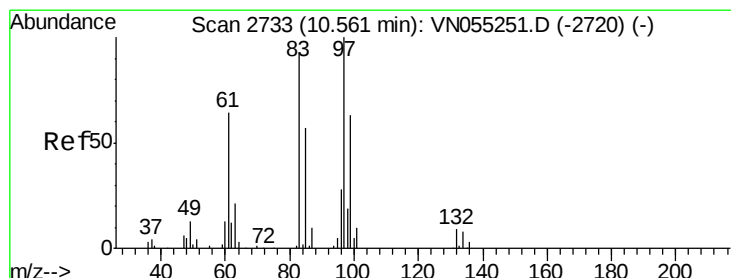
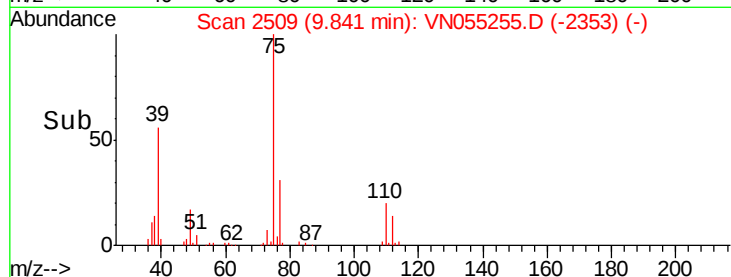
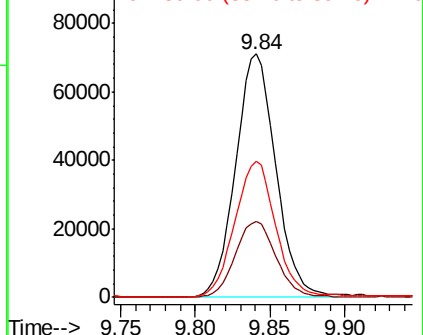
75 100

77 31.0 25.9 38.9

39 55.7 45.0 67.6



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.970 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion: 97 Resp: 81511

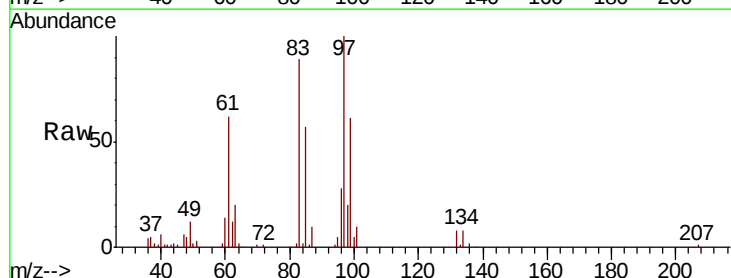
Ion Ratio Lower Upper

97 100

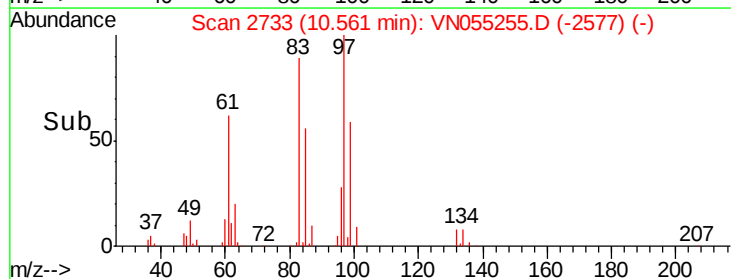
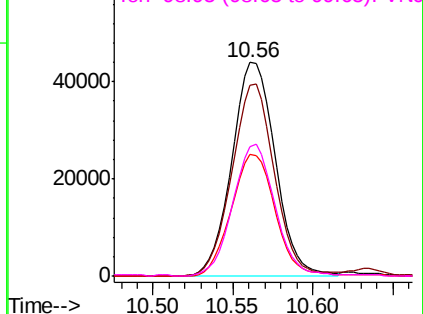
83 88.7 74.6 111.8

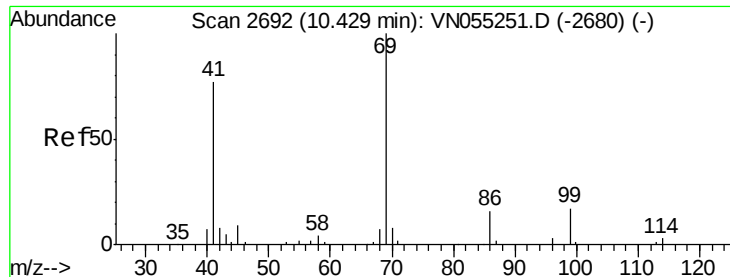
85 56.7 45.4 68.2

99 60.7 50.7 76.1



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.535 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

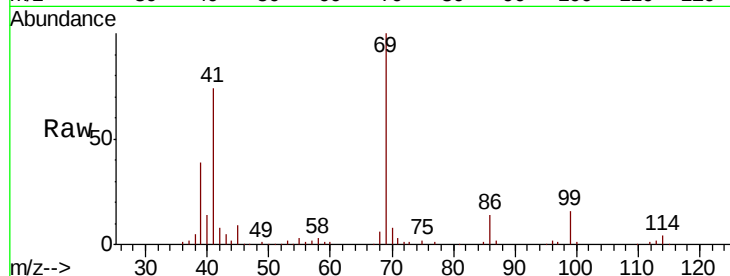
Tot Ion: 69 Resp: 102849

Ion Ratio Lower Upper

69 100

41 73.8 38.7 116.1

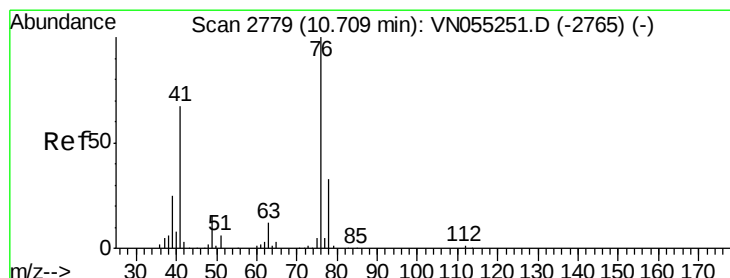
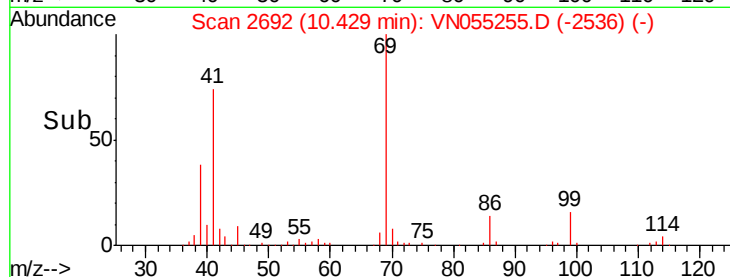
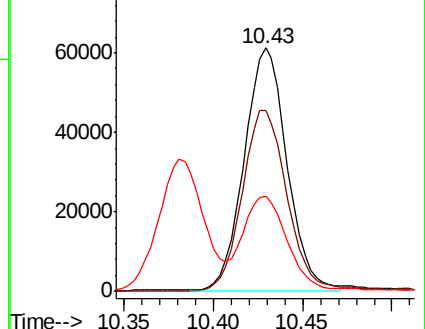
39 37.7 19.9 59.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.373 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055255.D

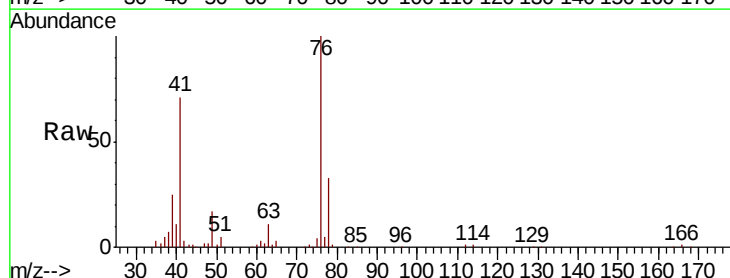
Acq: 25 Apr 2019 20:31

Tgt Ion: 76 Resp: 140010

Ion Ratio Lower Upper

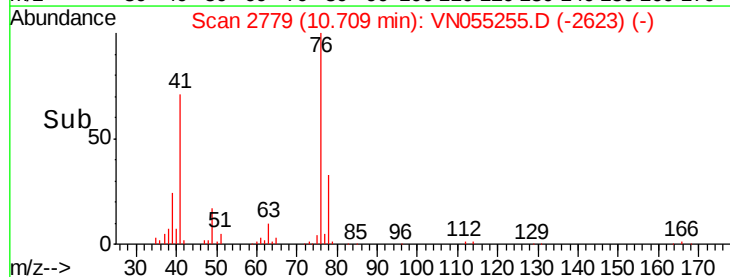
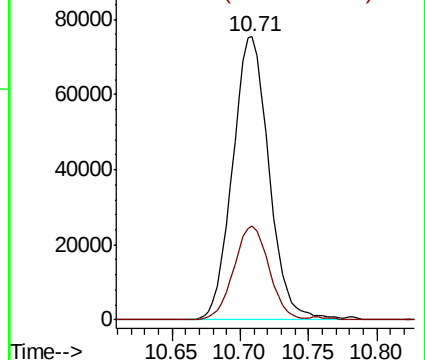
76 100

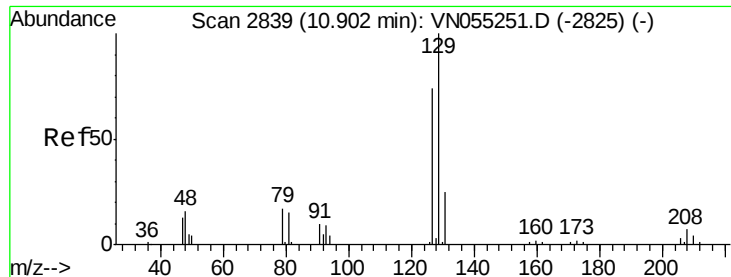
78 32.0 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

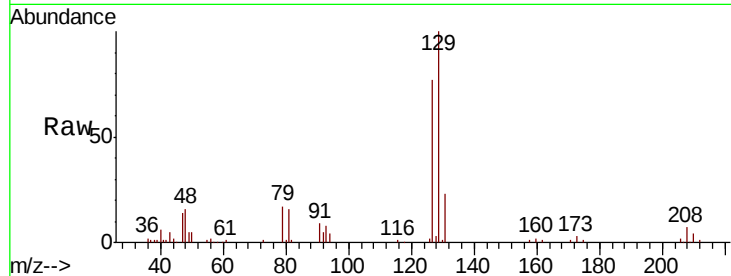




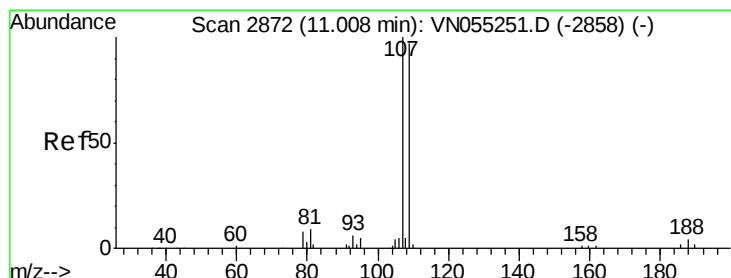
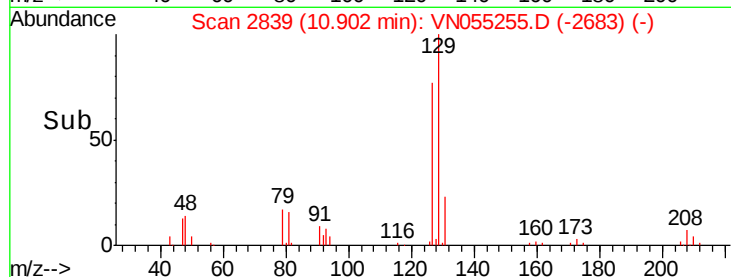
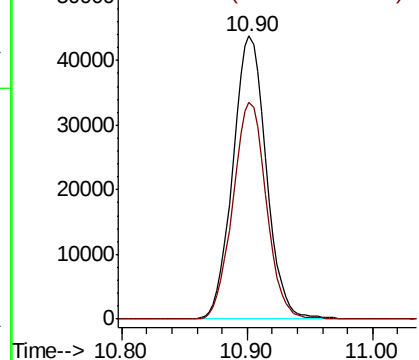
#53
 Dibromochloromethane
 Concen: 19.157 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion:129 Resp: 80864
 Ion Ratio Lower Upper
 129 100
 127 76.6 38.8 116.3

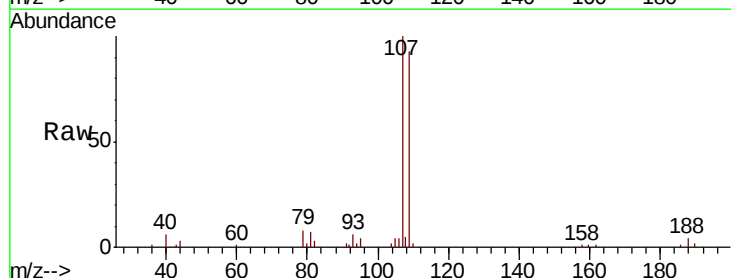


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

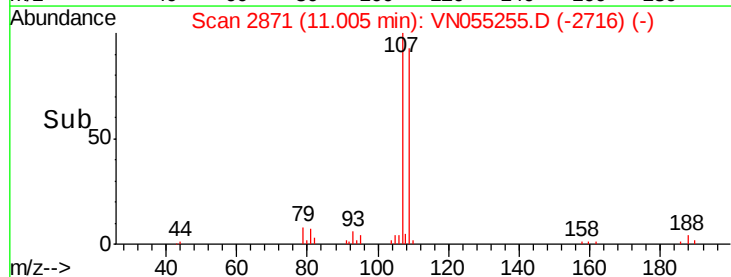
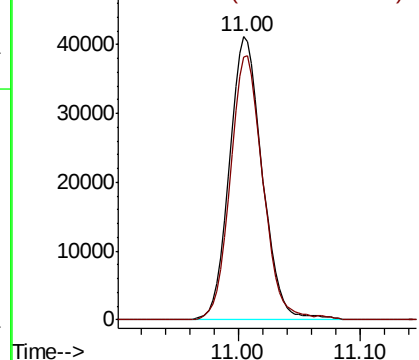


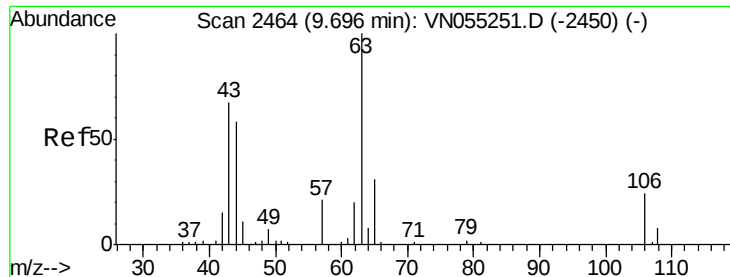
#54
 1,2-Dibromoethane
 Concen: 19.535 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion:107 Resp: 77361
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

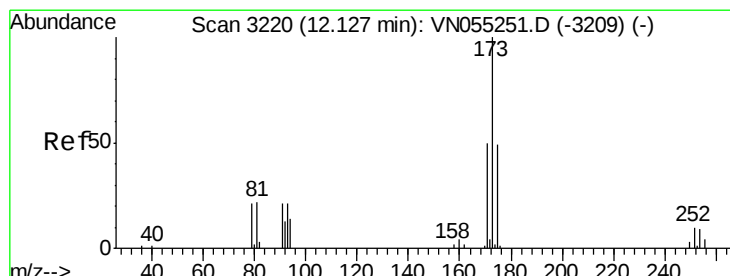
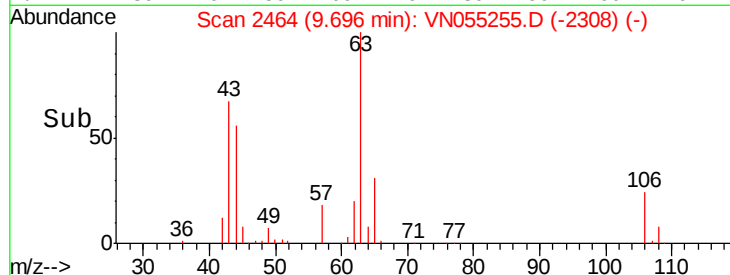
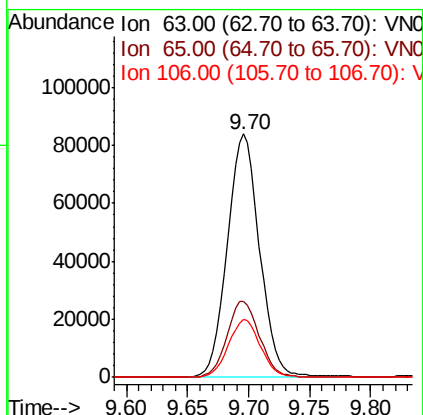
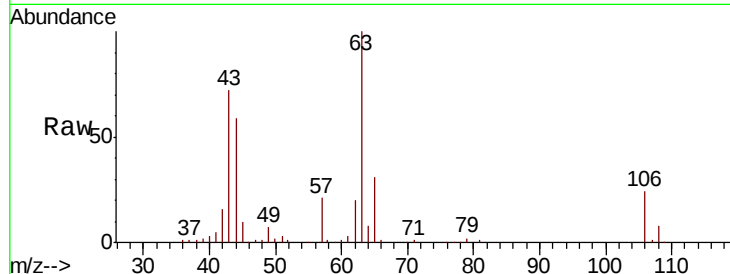




#55
2-Chloroethyl vinyl ether
Concen: 92.734 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

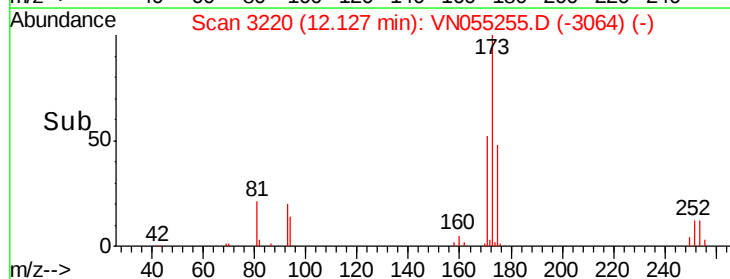
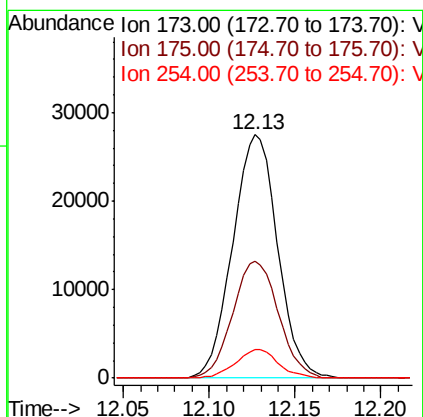
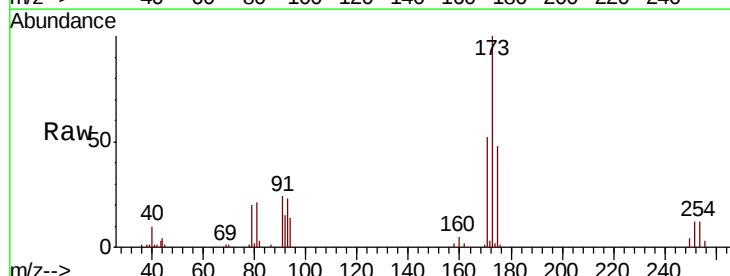
Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

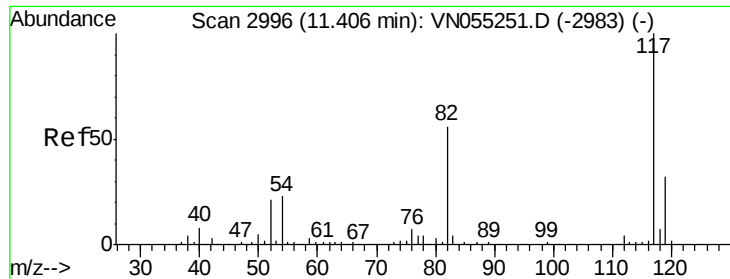
Tot Ion: 63 Resp: 155101
Ion Ratio Lower Upper
63 100
65 31.5 25.1 37.7
106 23.5 19.4 29.0



#56
Bromoform
Concen: 17.988 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 173 Resp: 49765
Ion Ratio Lower Upper
173 100
175 49.0 37.7 56.5
254 11.1 7.8 11.6

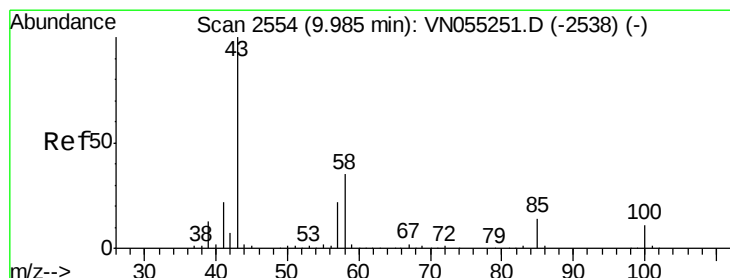
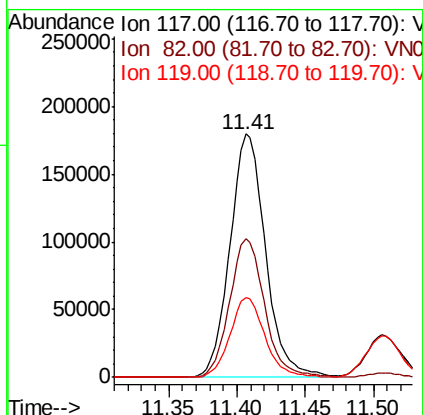
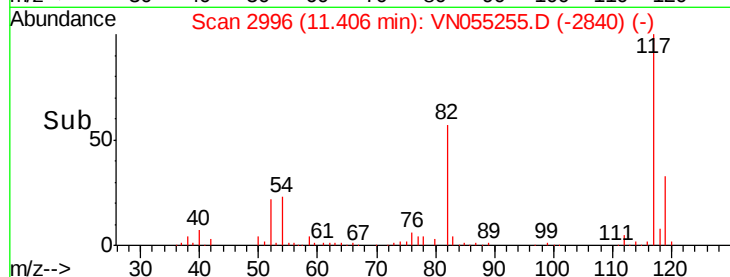
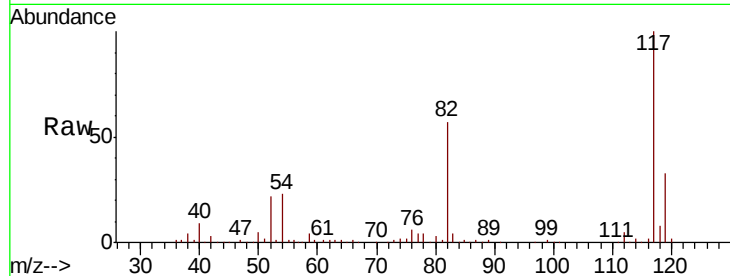




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

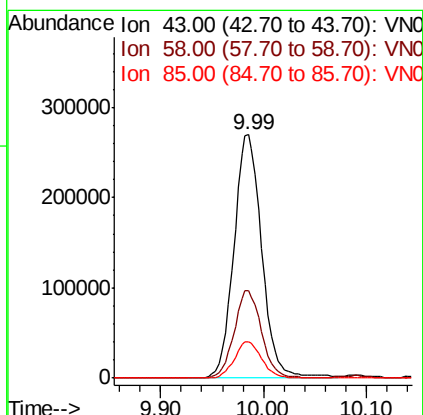
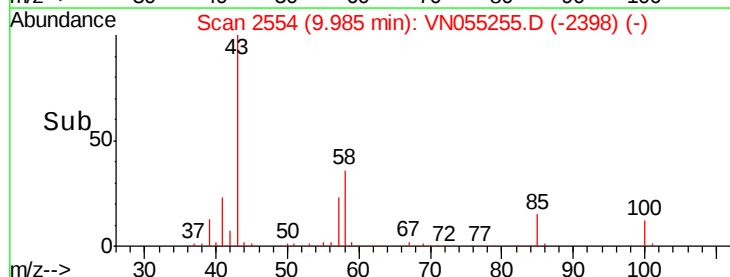
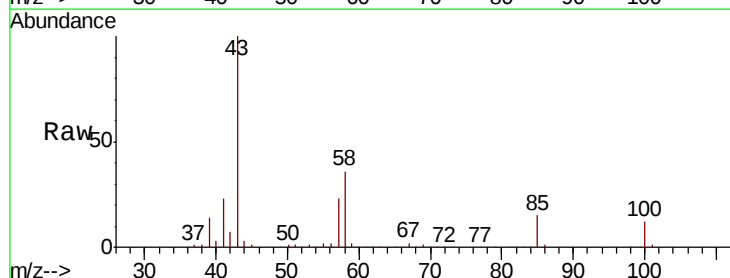
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

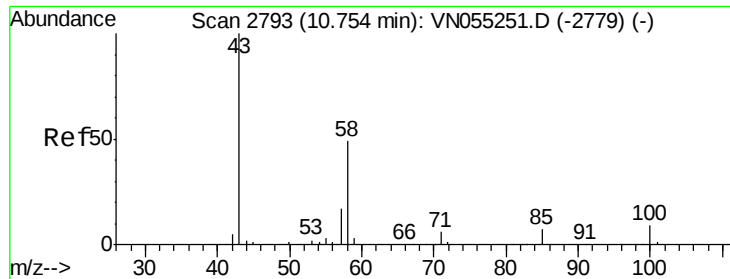
Tot Ion:117 Resp: 325945
 Ion Ratio Lower Upper
 117 100
 82 56.2 45.3 67.9
 119 32.1 25.4 38.0



#58
 4-Methyl-2-Pentanone
 Concen: 99.308 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 43 Resp: 505336
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.6 43.0
 85 14.7 11.4 17.2

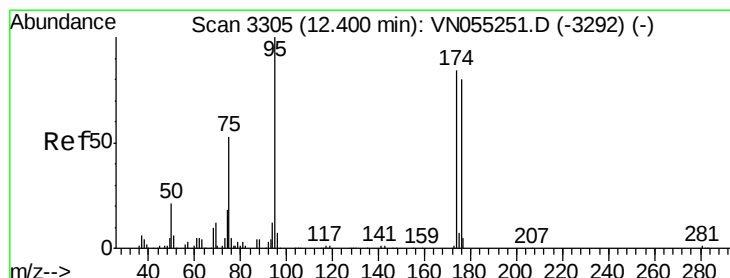
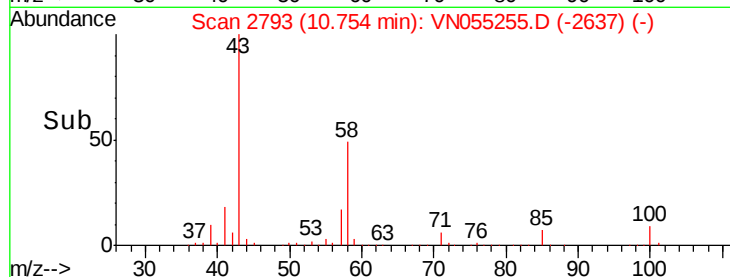
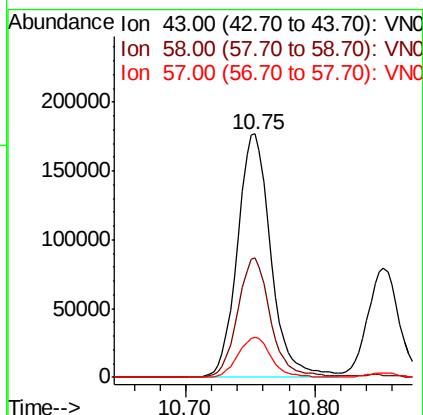
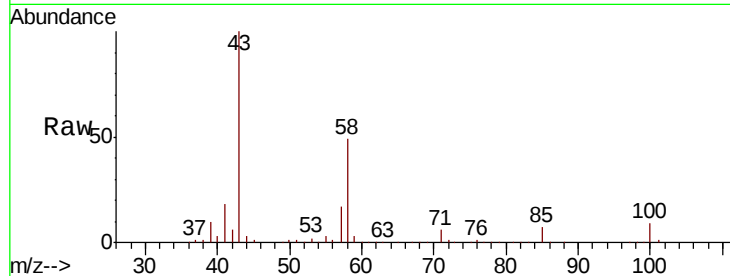




#59
2-Hexanone
Concen: 97.139 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

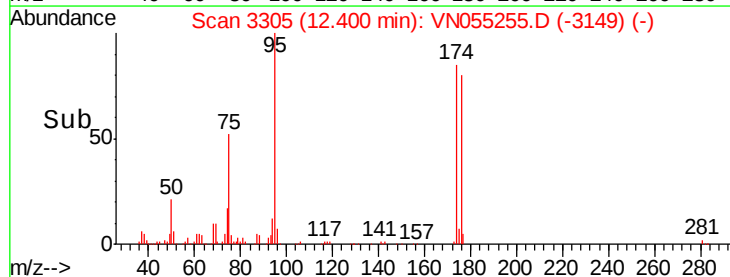
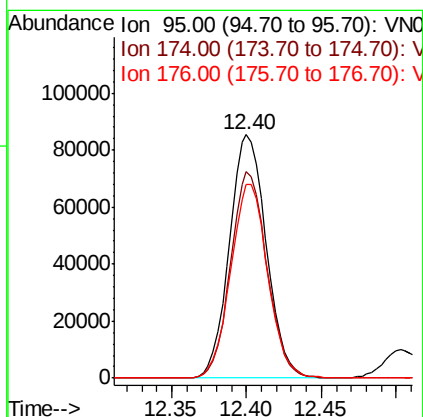
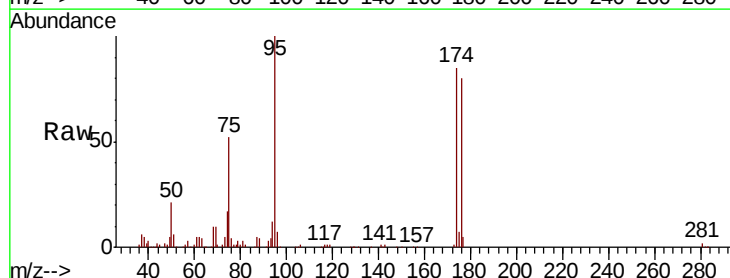
Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

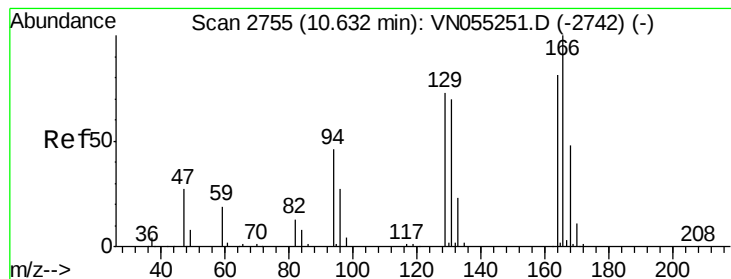
Tot Ion: 43 Resp: 316435
Ion Ratio Lower Upper
43 100
58 48.8 39.0 58.6
57 16.5 13.4 20.2



#60
4-Bromofluorobenzene
Concen: 97.139 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 95 Resp: 146496
Ion Ratio Lower Upper
95 100
174 83.5 68.1 102.1
176 80.1 65.8 98.6





#61

Tetrachloroethene

Concen: 19.868 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion:164 Resp: 84031

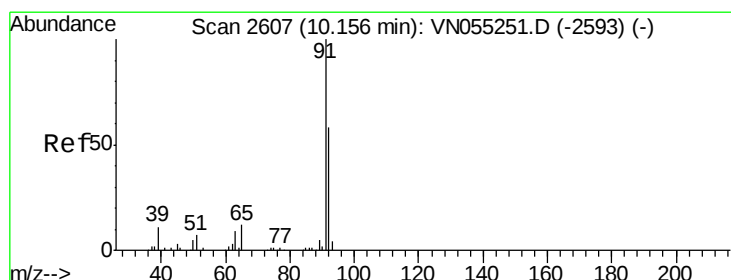
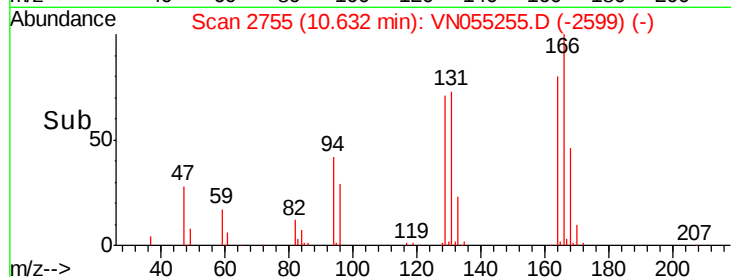
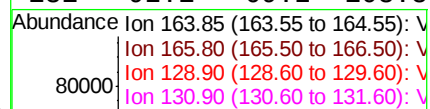
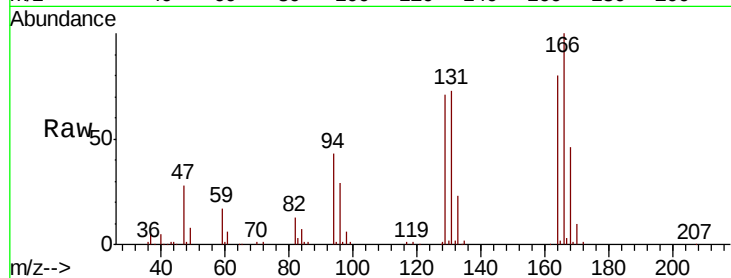
Ion Ratio Lower Upper

164 100

166 125.4 98.6 147.8

129 89.4 72.4 108.6

131 92.1 69.2 103.8



#62

Toluene

Concen: 19.722 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055255.D

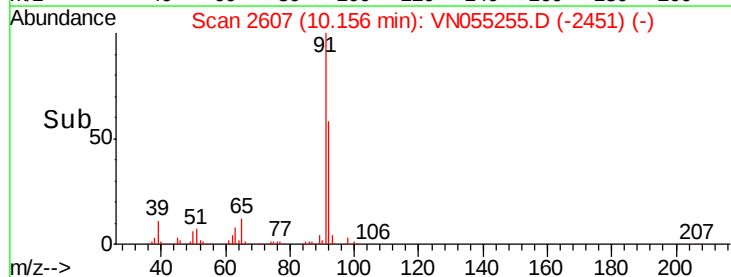
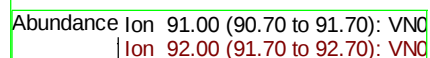
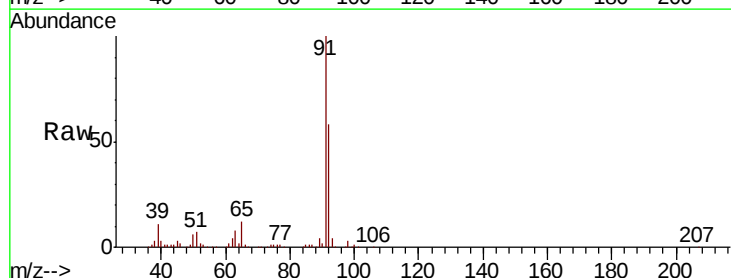
Acq: 25 Apr 2019 20:31

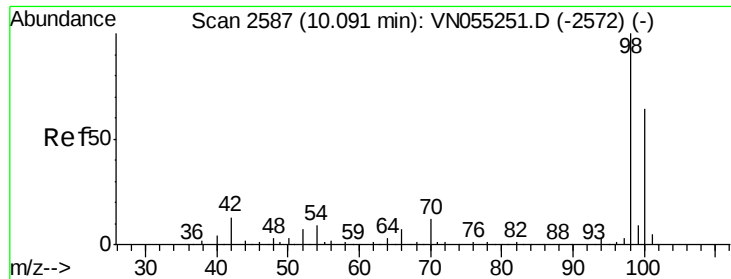
Tgt Ion: 91 Resp: 363705

Ion Ratio Lower Upper

91 100

92 57.4 44.3 66.5





#63

Toluene-d8

Concen: 19.722 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampled :

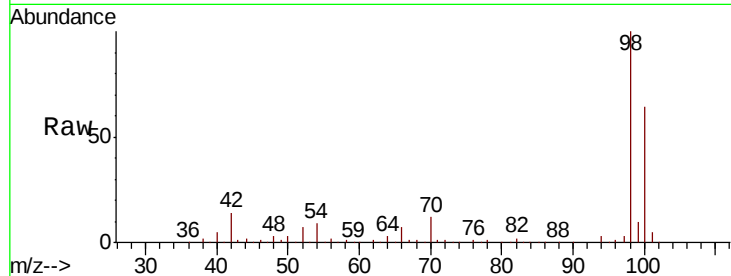
ICVVN042619

Tot Ion: 98 Resp: 470074

Ion Ratio Lower Upper

98 100

100 62.3 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN055255.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055255.D (-2572) (-)

10.09

250000

200000

150000

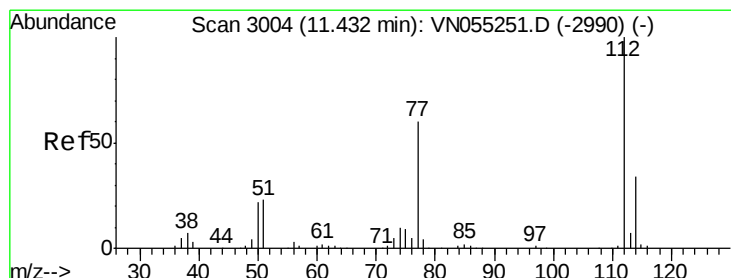
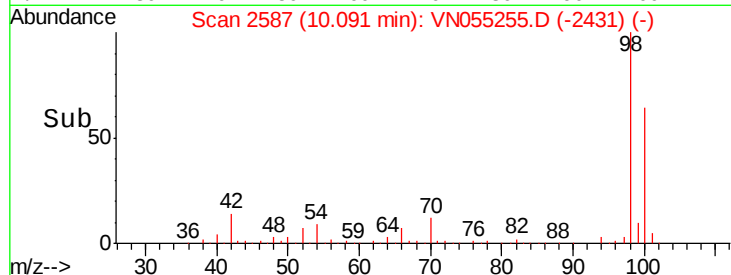
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 19.842 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055255.D

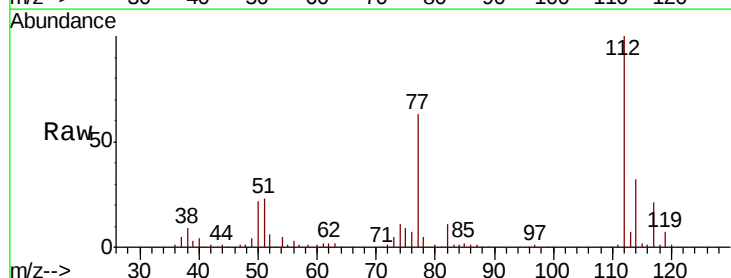
Acq: 25 Apr 2019 20:31

Tgt Ion: 112 Resp: 216774

Ion Ratio Lower Upper

112 100

114 32.4 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055255.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN055255.D (-2848) (-)

11.43

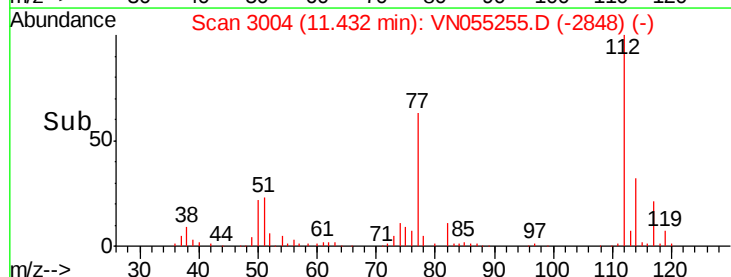
100000

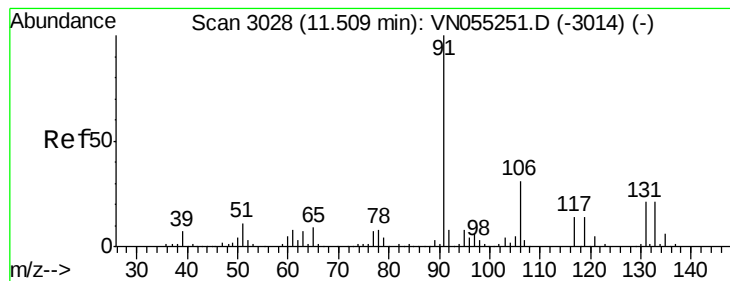
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.281 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVFN042619

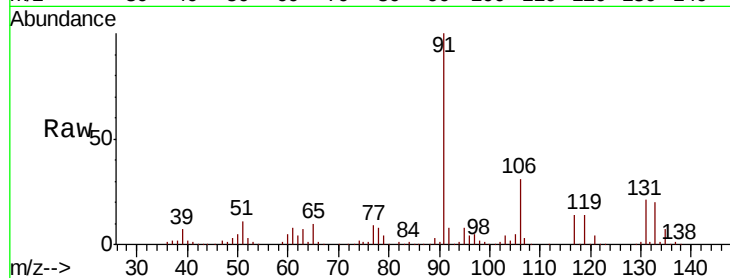
Tot Ion:131 Resp: 82653

Ion Ratio Lower Upper

131 100

133 93.9 0.0 195.6

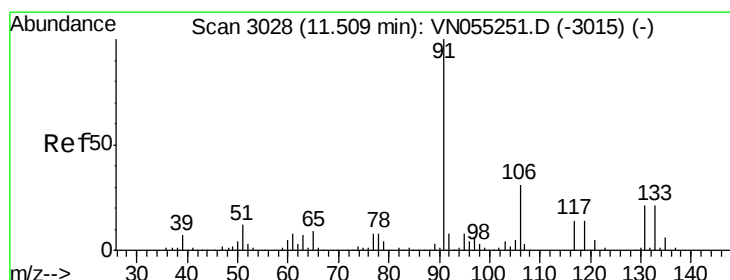
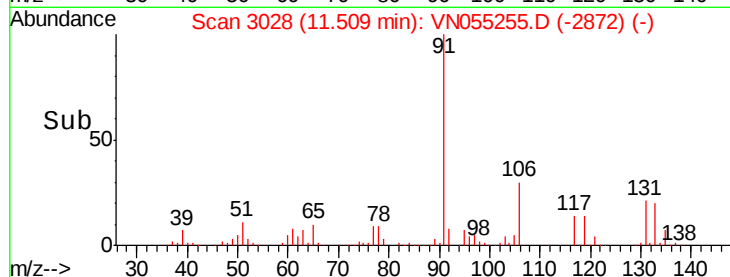
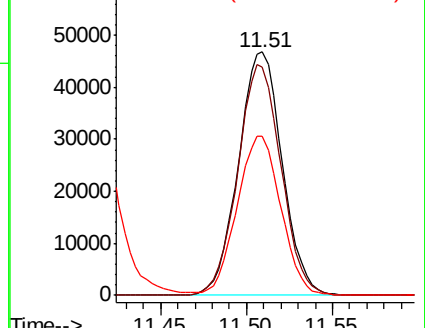
119 65.6 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.038 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055255.D

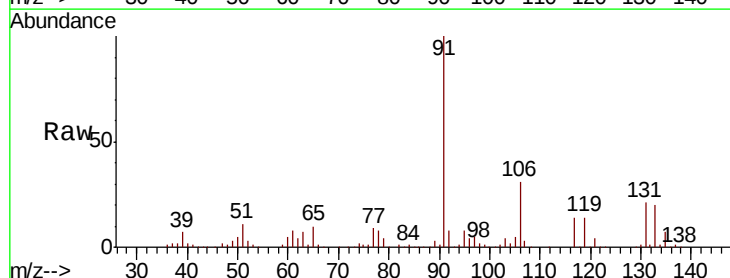
Acq: 25 Apr 2019 20:31

Tgt Ion: 91 Resp: 392769

Ion Ratio Lower Upper

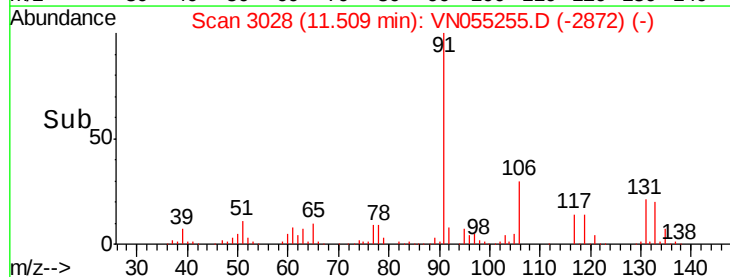
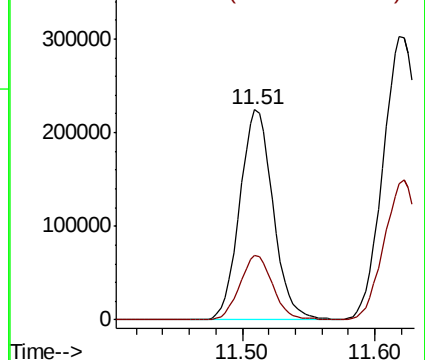
91 100

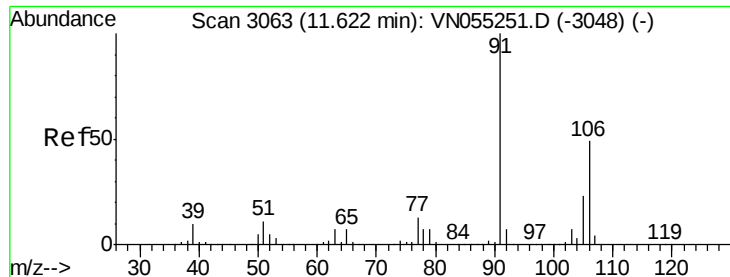
106 30.9 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

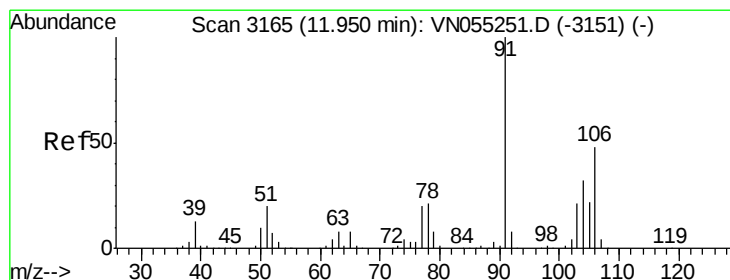
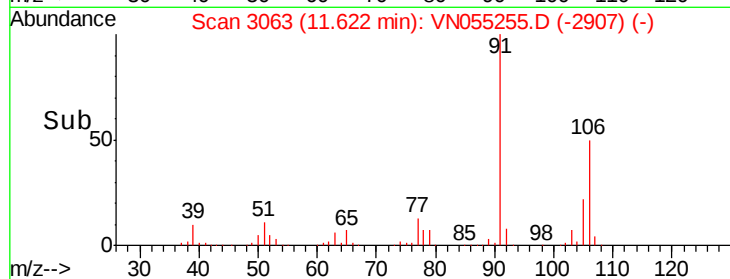
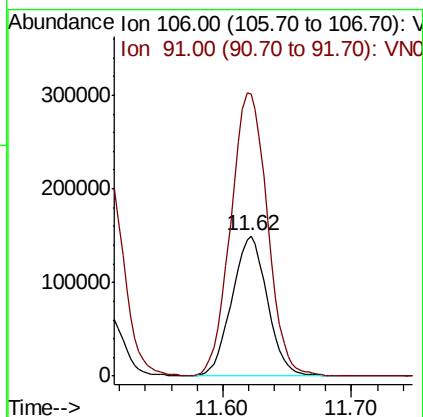
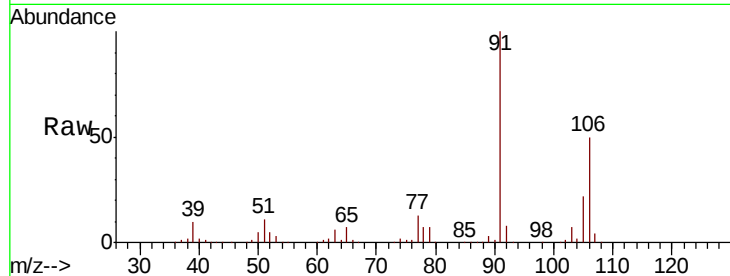




#67
m/p-Xvlenes
Concen: 39.956 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

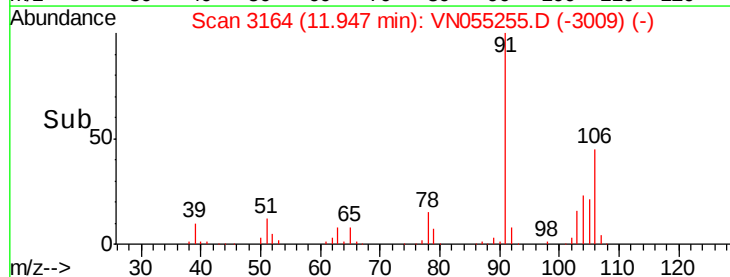
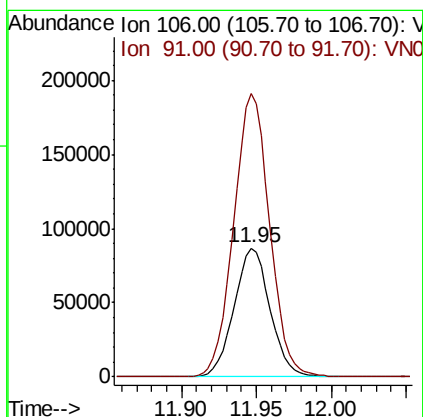
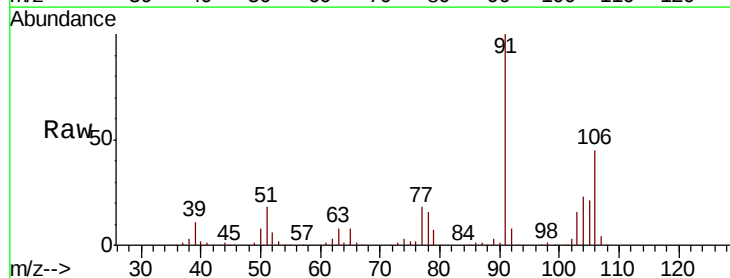
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

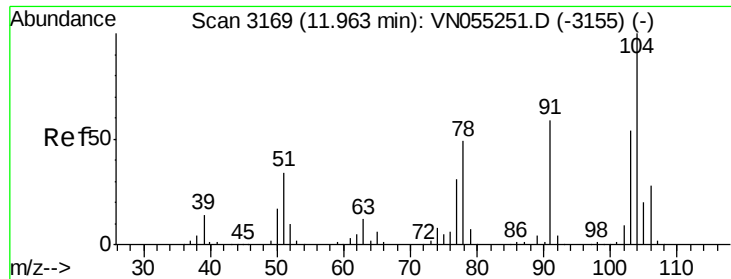
Tot Ion:106 Resp: 286793
Ion Ratio Lower Upper
106 100
91 209.0 165.4 248.2



#68
o-Xylene
Concen: 20.240 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:106 Resp: 144989
Ion Ratio Lower Upper
106 100
91 220.4 106.8 320.4

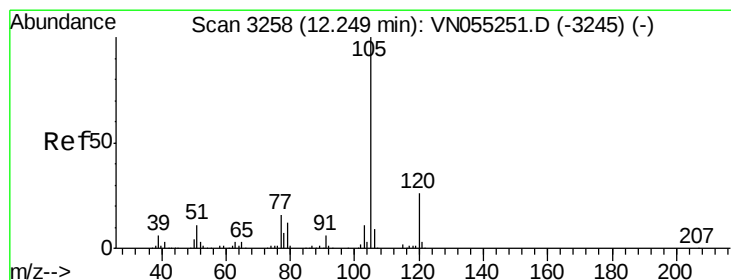
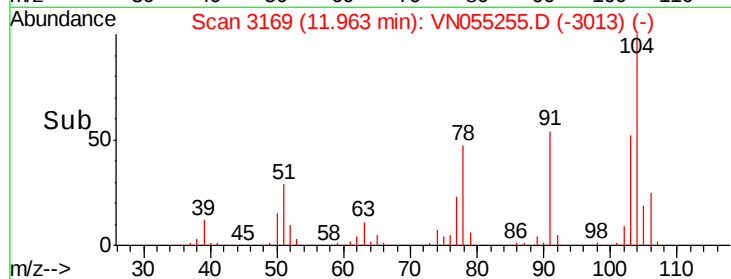
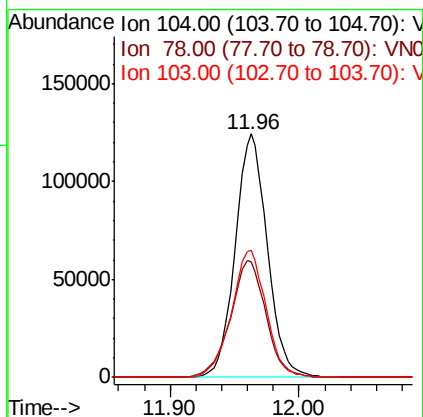
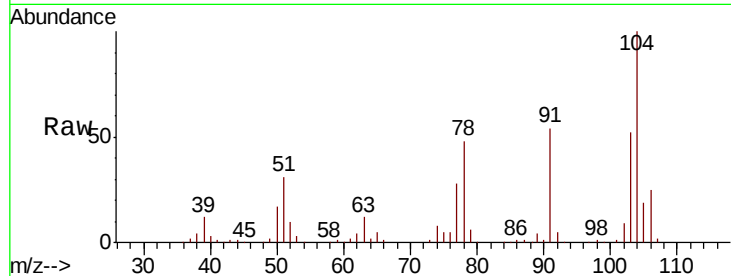




#69
Stvrene
Concen: 19.374 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

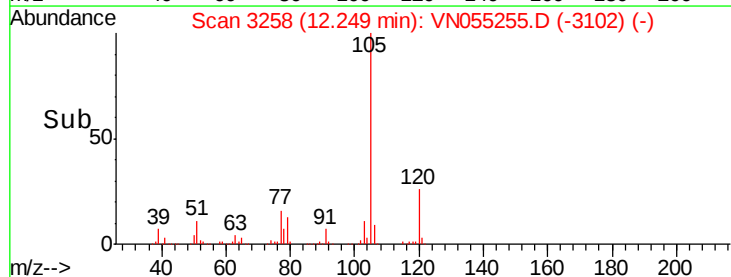
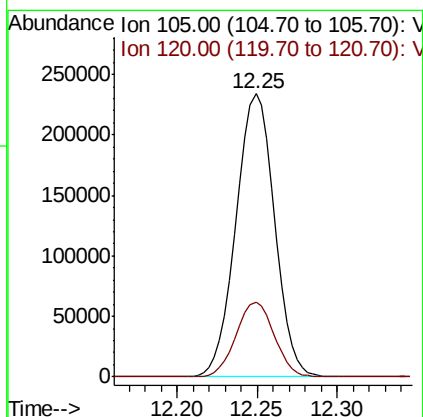
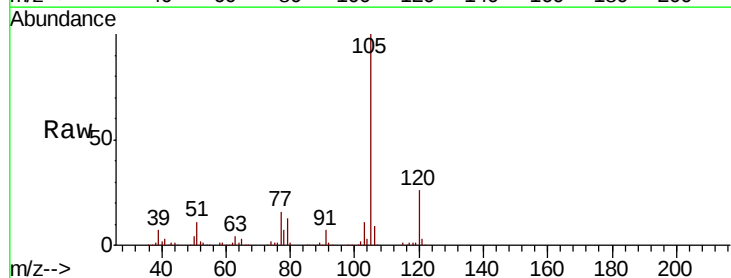
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

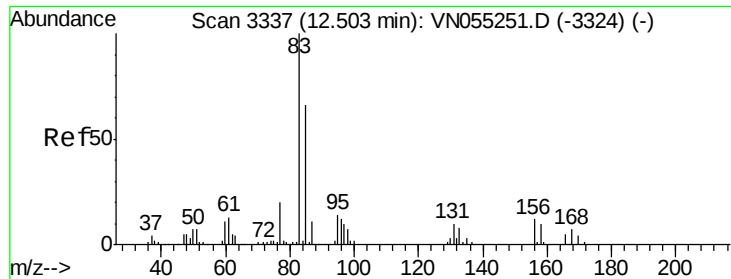
Tot Ion:104 Resp: 215007
Ion Ratio Lower Upper
104 100
78 53.0 42.4 63.6
103 56.2 45.3 67.9



#70
Isopropylbenzene
Concen: 20.361 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:105 Resp: 383955
Ion Ratio Lower Upper
105 100
120 26.2 18.1 33.7

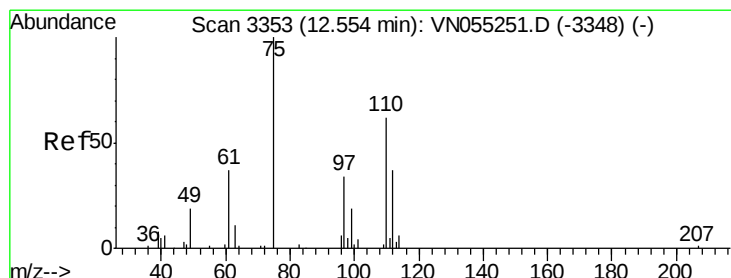
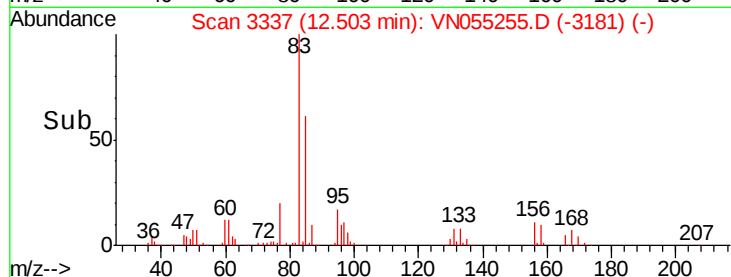
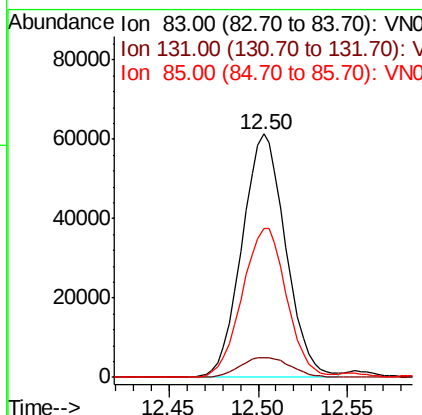
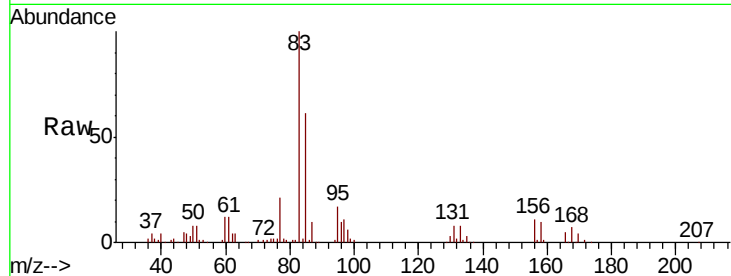




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.175 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

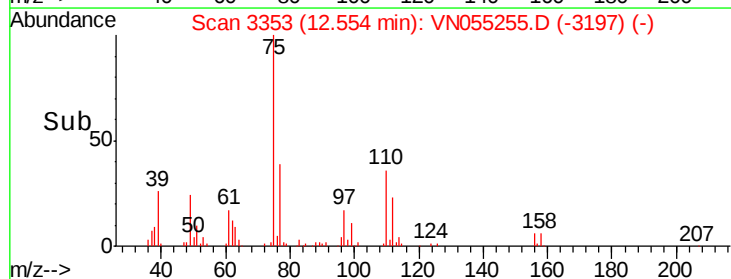
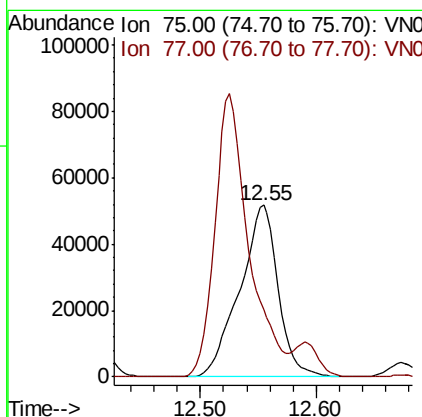
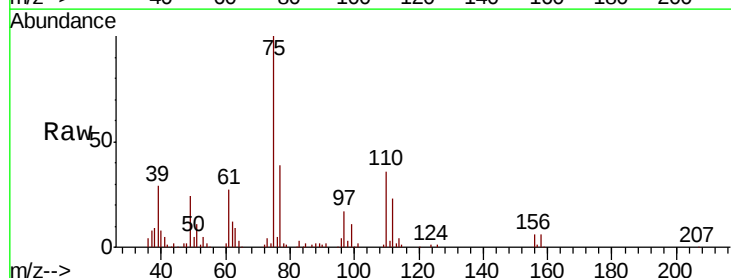
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

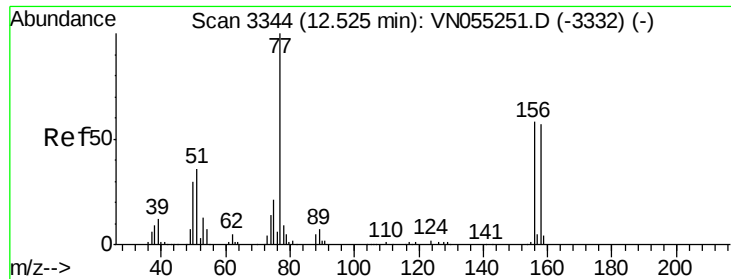
Tot Ion: 83 Resp: 104854
 Ion Ratio Lower Upper
 83 100
 131 9.4 5.0 14.9
 85 62.3 32.3 96.8



#72
 1,2,3-Trichloropropane
 Concen: 26.502 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 75 Resp: 119403
 Ion Ratio Lower Upper
 75 100
 77 144.7 0.0 410.2





#73

Bromobenzene

Concen: 19.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

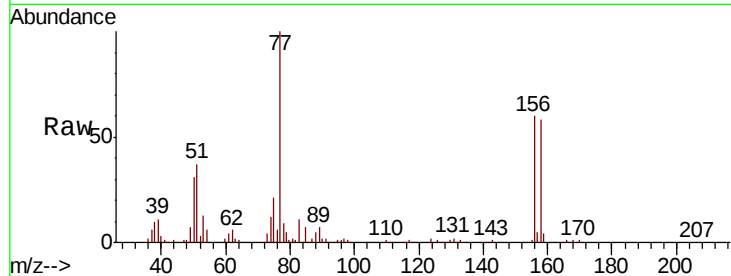
Tot Ion:156 Resp: 87440

Ion Ratio Lower Upper

156 100

77 197.6 0.0 403.2

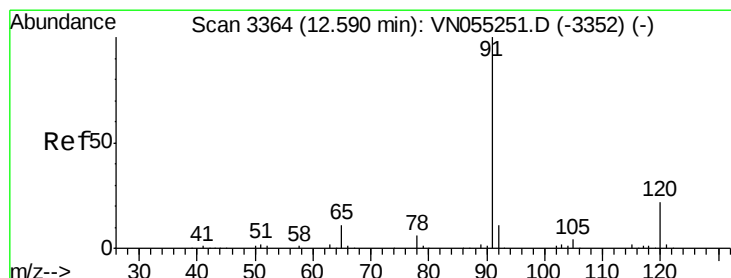
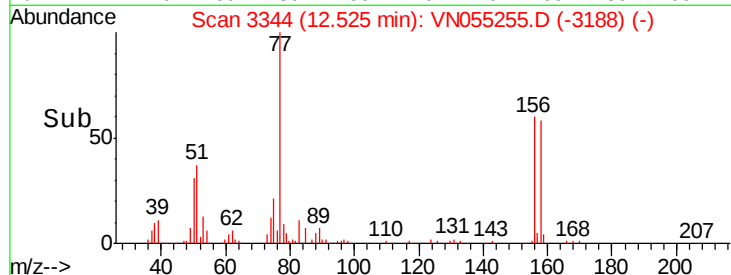
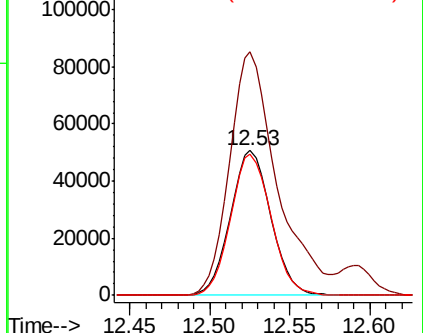
158 97.1 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.598 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055255.D

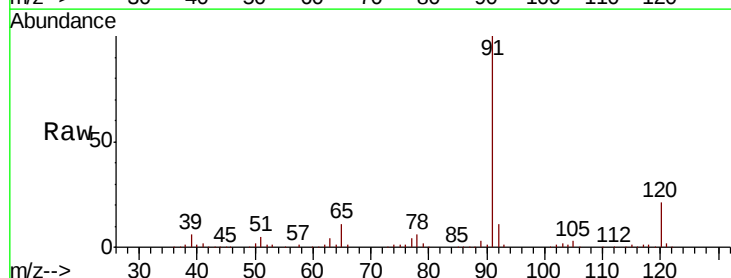
Acq: 25 Apr 2019 20:31

Tgt Ion: 91 Resp: 412425

Ion Ratio Lower Upper

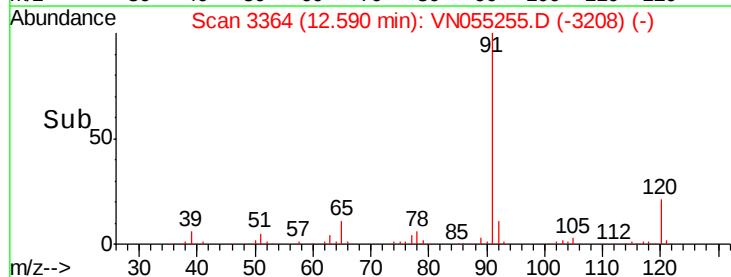
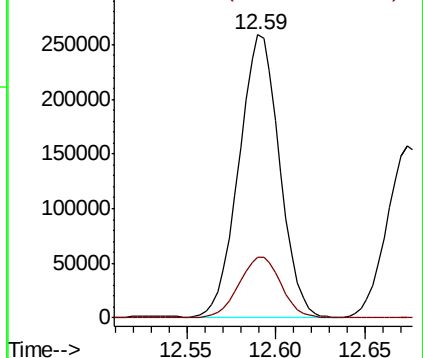
91 100

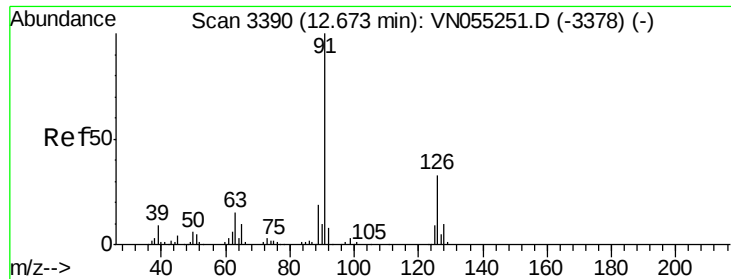
120 22.1 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.151 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampled :

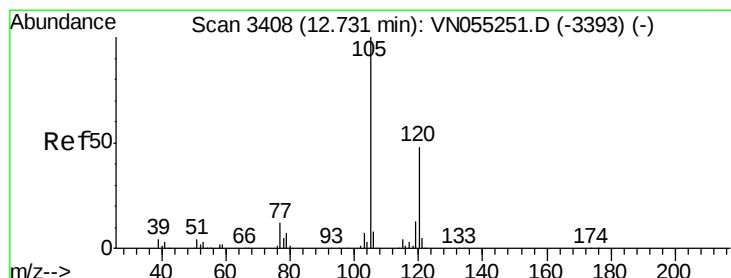
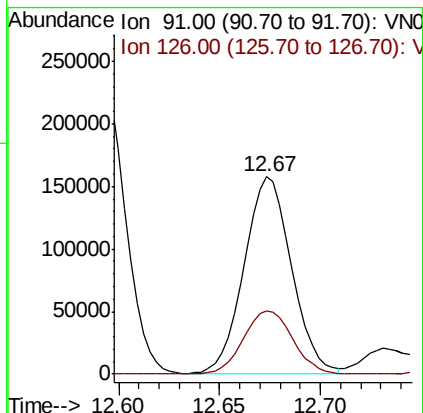
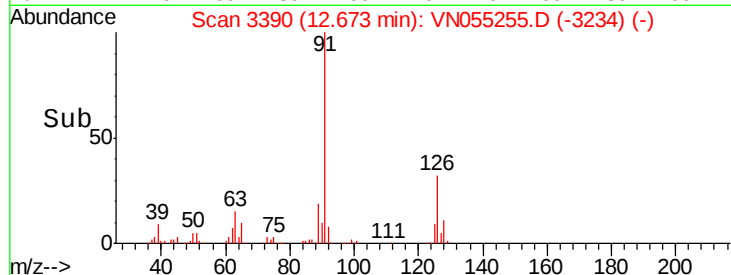
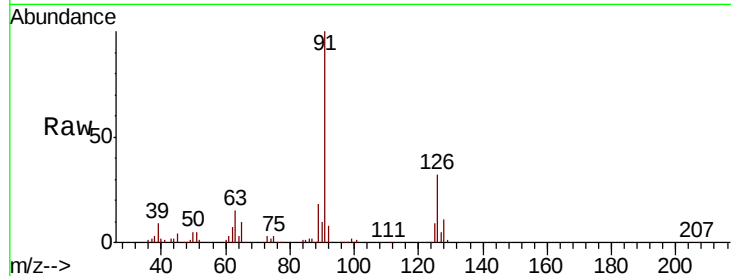
ICVVN042619

Tot Ion: 91 Resp: 260117

Ion Ratio Lower Upper

91 100

126 33.4 0.0 65.8



#76

1,3,5-Trimethylbenzene

Concen: 19.557 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055255.D

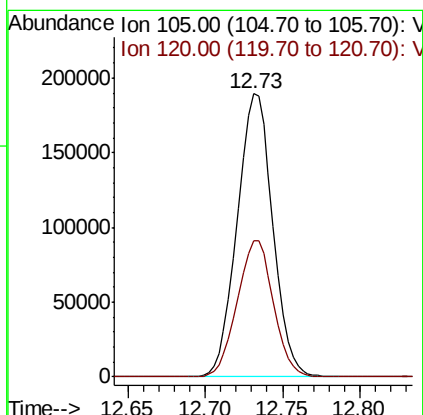
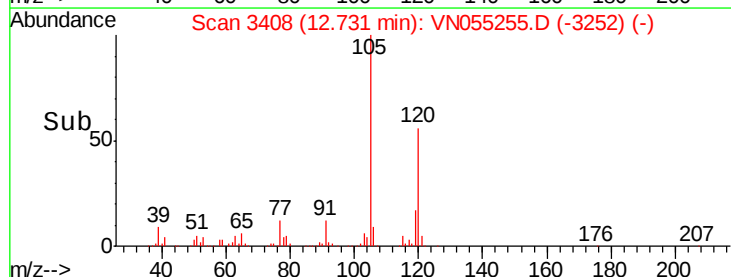
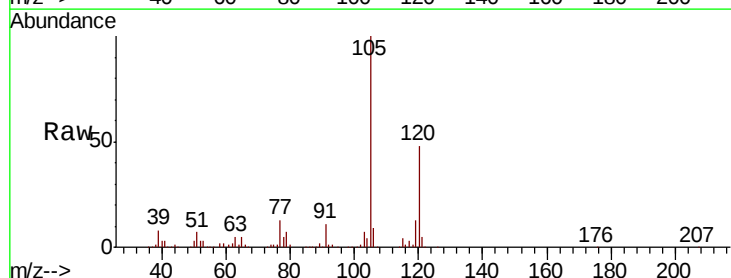
Acq: 25 Apr 2019 20:31

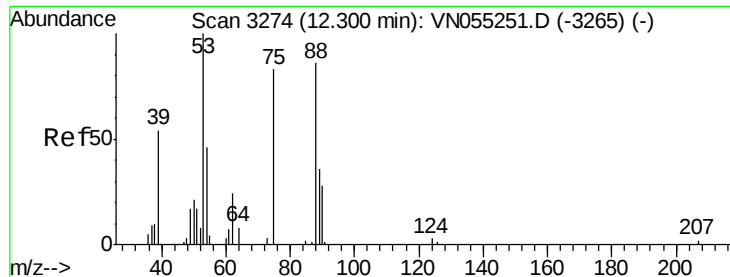
Tgt Ion:105 Resp: 302648

Ion Ratio Lower Upper

105 100

120 48.9 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.983 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

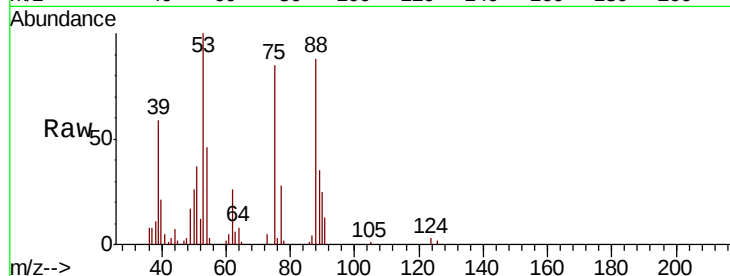
Tot Ion: 75 Resp: 21564

Ion Ratio Lower Upper

75 100

53 116.3 59.5 178.5

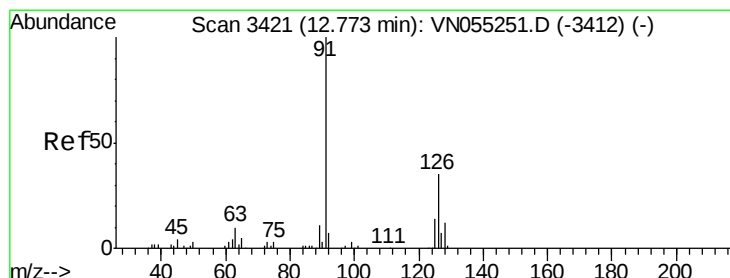
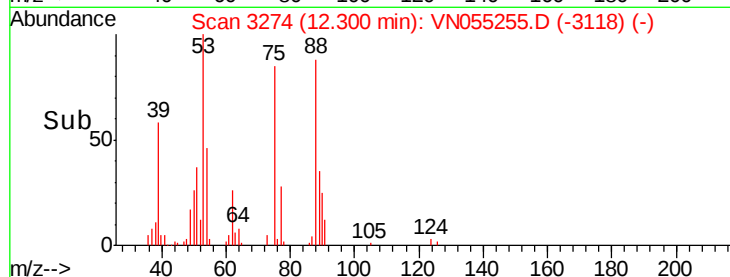
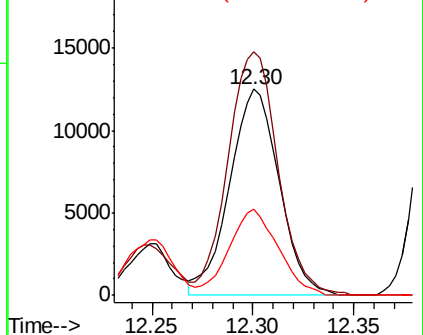
89 41.5 23.1 69.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.217 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055255.D

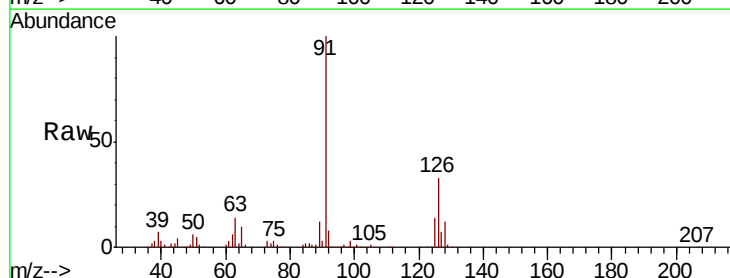
Acq: 25 Apr 2019 20:31

Tgt Ion: 91 Resp: 235820

Ion Ratio Lower Upper

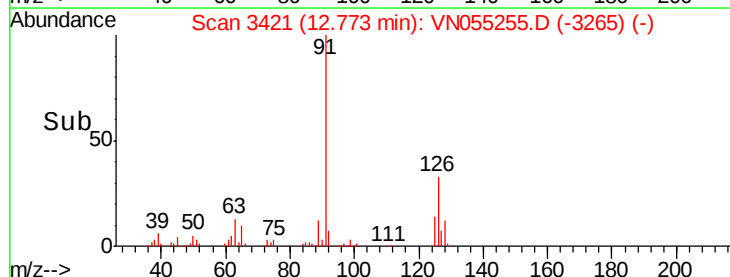
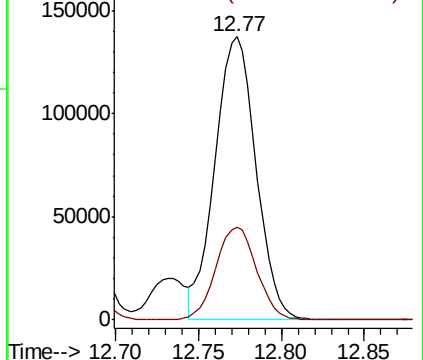
91 100

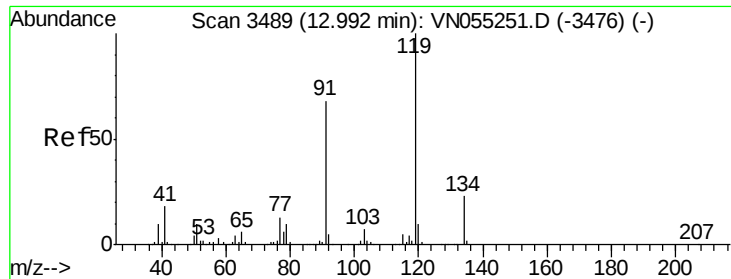
126 32.7 0.0 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

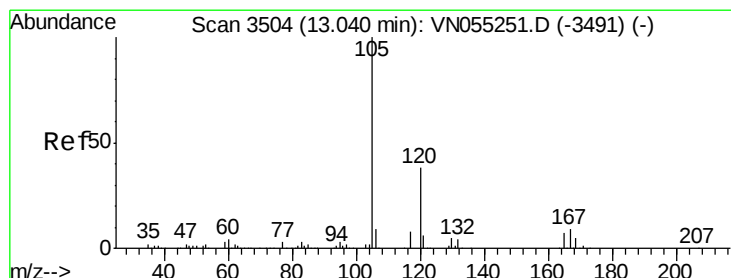
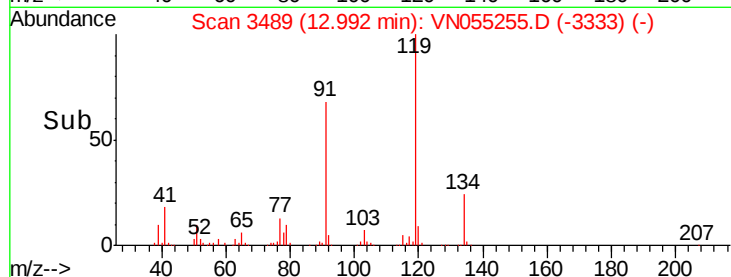
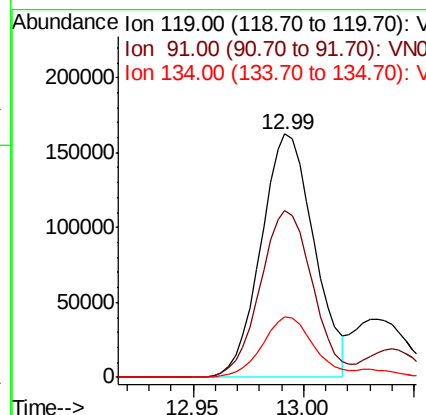
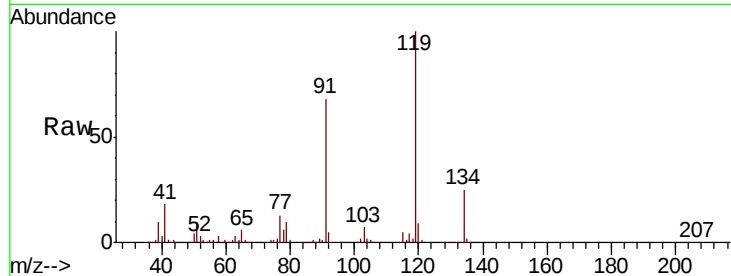




#79
tert-butylbenzene
Concen: 20.268 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

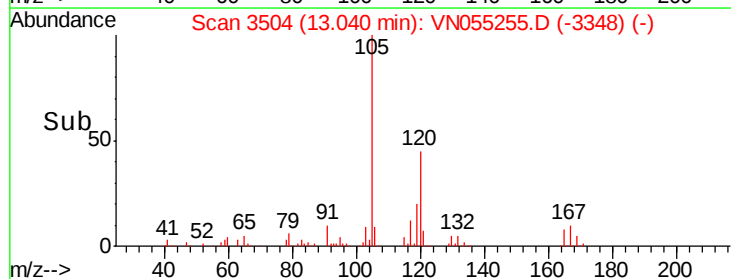
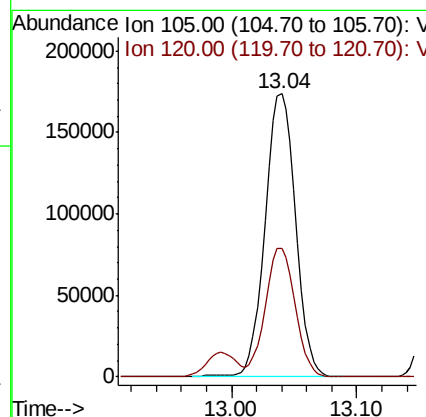
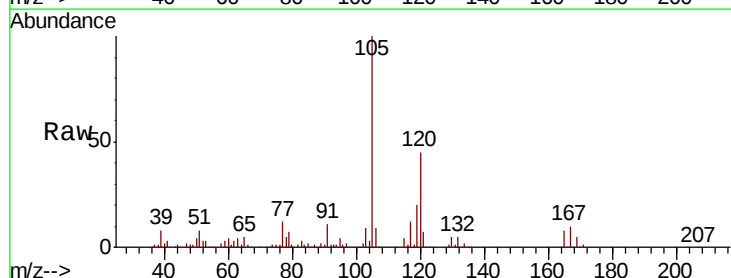
Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

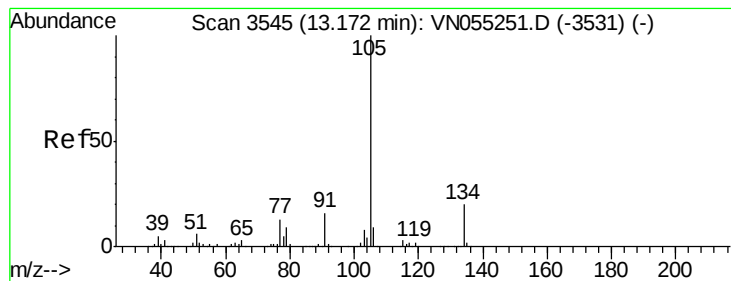
Tot Ion:119 Resp: 270165
Ion Ratio Lower Upper
119 100
91 67.9 0.0 135.6
134 24.1 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 19.713 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:105 Resp: 294126
Ion Ratio Lower Upper
105 100
120 44.3 0.0 88.6





#81

sec-Butylbenzene

Concen: 20.100 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

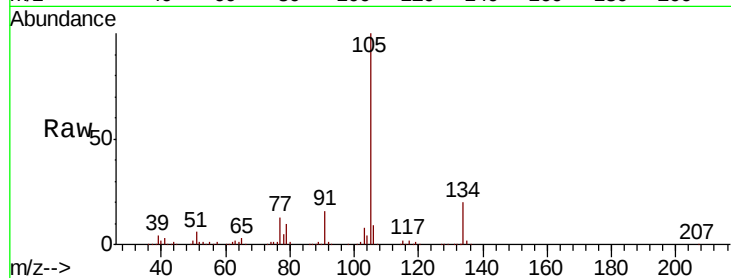
ICVVN042619

Tot Ion:105 Resp: 354174

Ion Ratio Lower Upper

105 100

134 19.4 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

150000

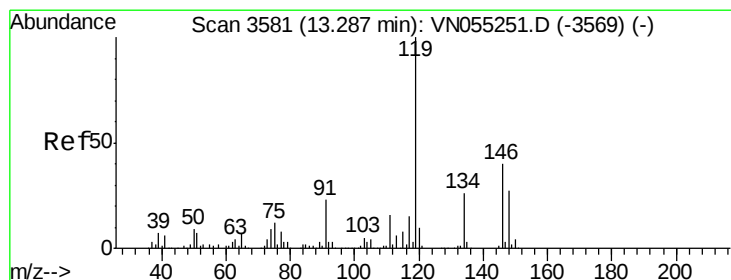
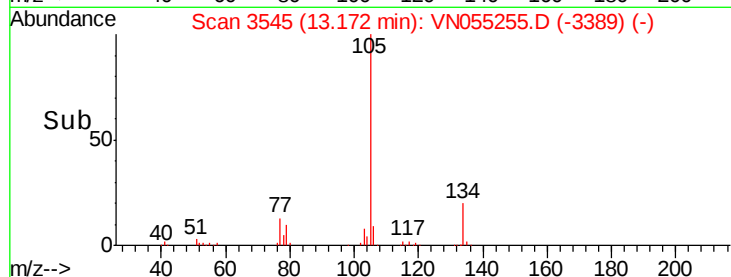
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 19.706 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

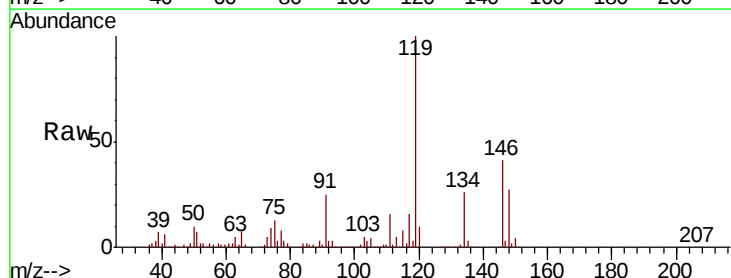
Tgt Ion:119 Resp: 288032

Ion Ratio Lower Upper

119 100

134 25.7 0.0 53.2

91 24.3 0.0 47.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

150000

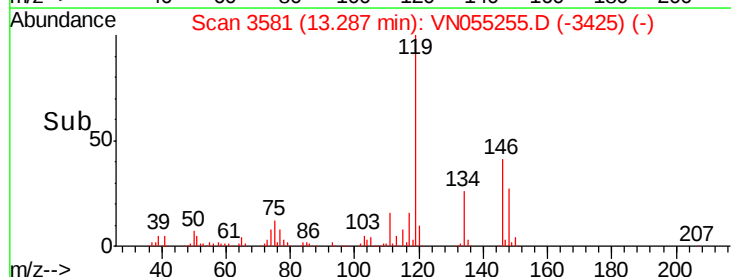
100000

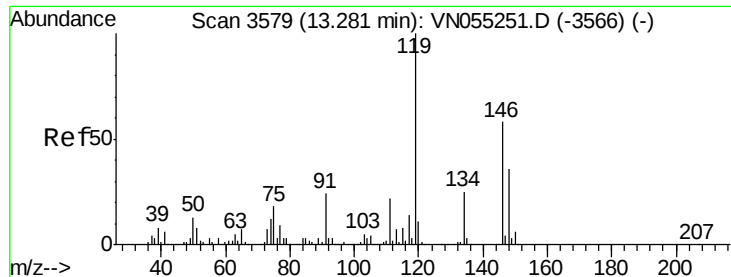
50000

0

Time-->

13.25 13.30 13.35

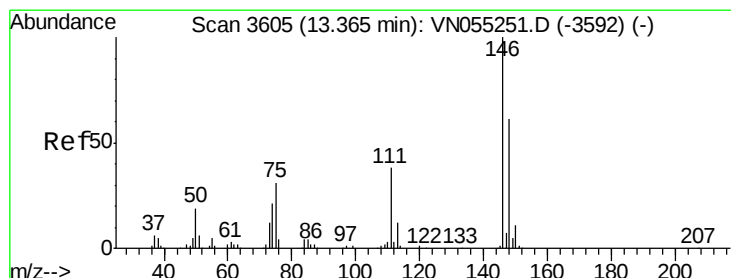
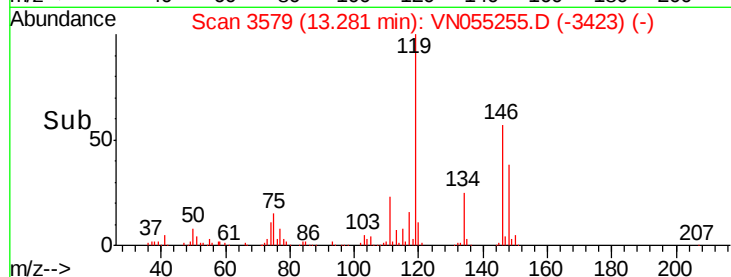
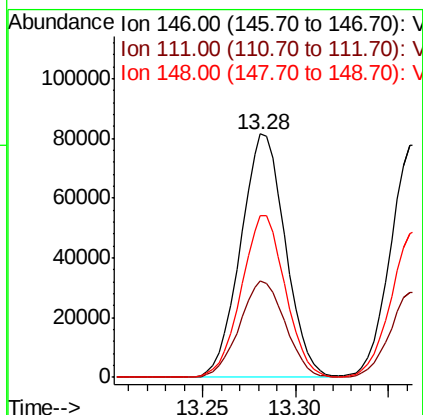
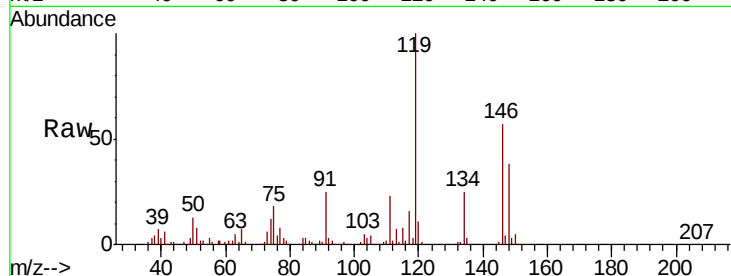




#83
 1,3-Dichlorobenzene
 Concen: 18.838 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

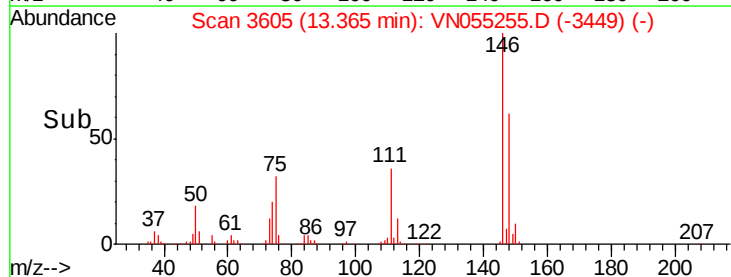
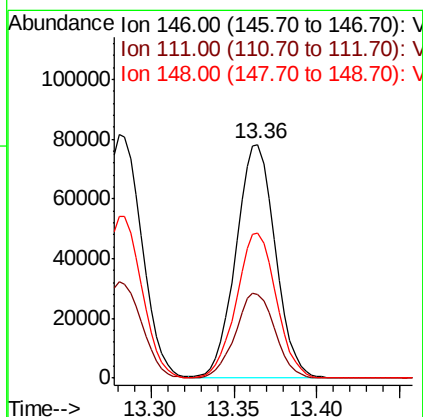
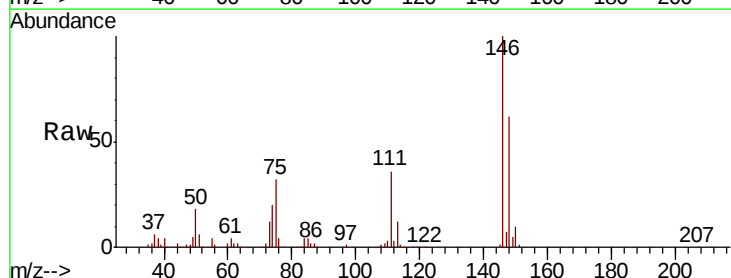
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042619

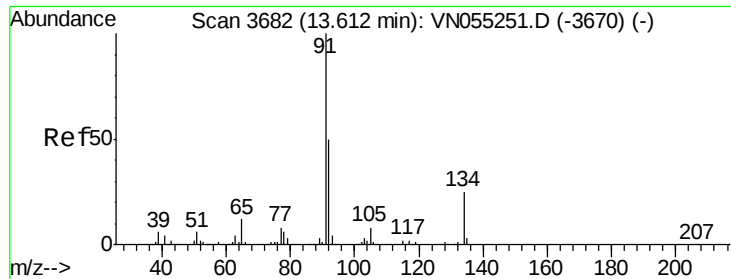
Tot Ion:146 Resp: 136977
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.7
 148 65.2 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 18.830 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion:146 Resp: 129233
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.5
 148 62.8 31.4 94.3

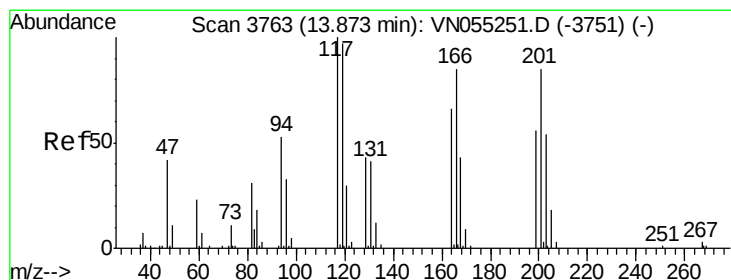
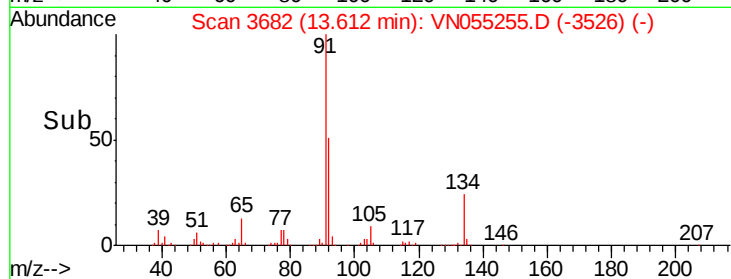
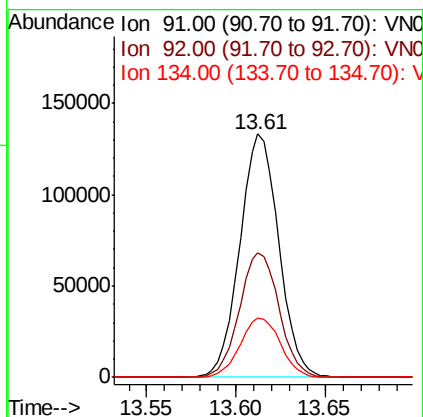
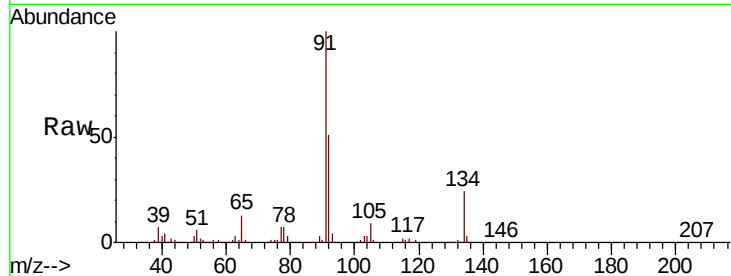




#85
n-Butylbenzene
Concen: 18.187 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

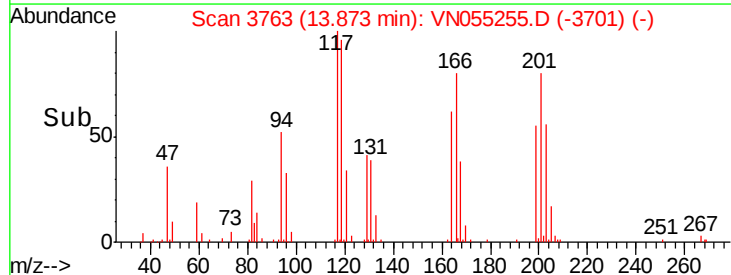
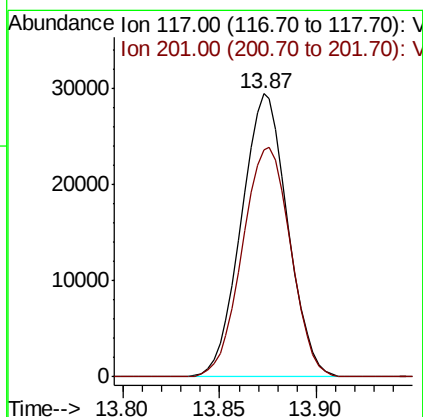
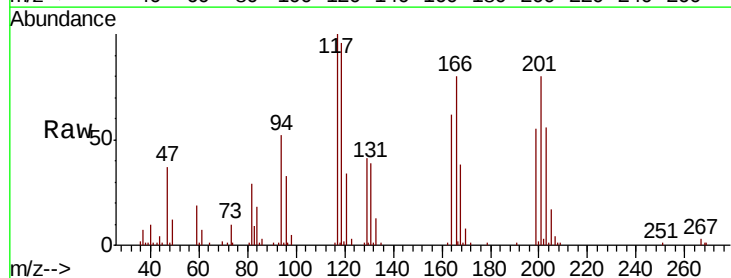
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

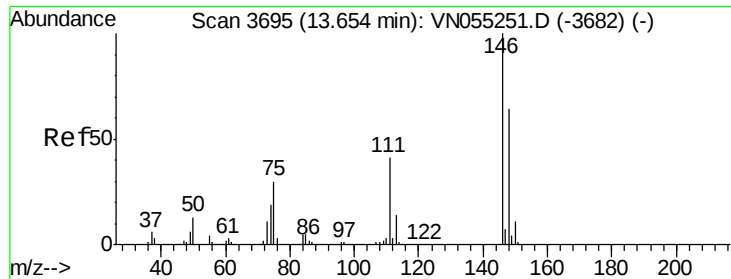
Tot Ion: 91 Resp: 202684
Ion Ratio Lower Upper
91 100
92 52.0 0.0 102.8
134 25.2 0.0 50.0



#86
Hexachloroethane
Concen: 19.627 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion: 117 Resp: 48938
Ion Ratio Lower Upper
117 100
201 84.2 44.5 133.7

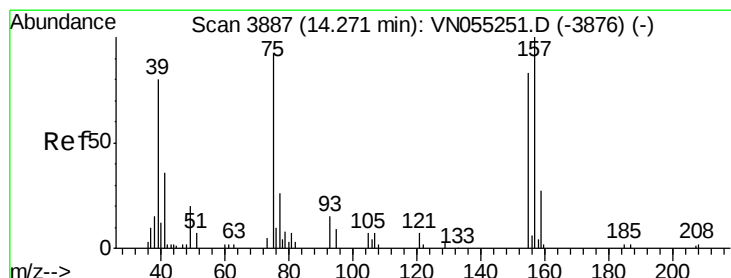
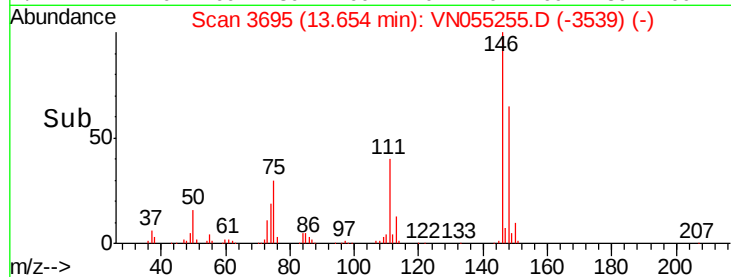
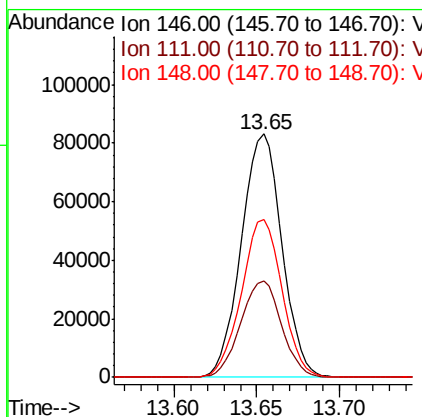
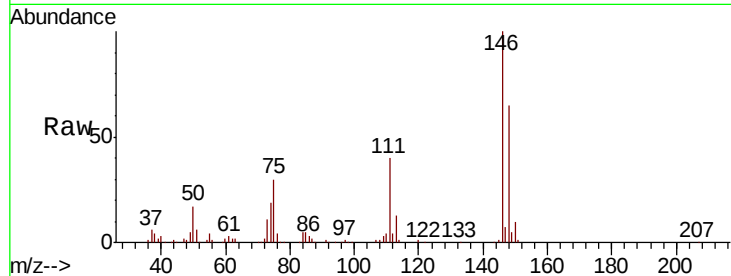




#87
 1,2-Dichlorobenzene
 Concen: 19.485 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

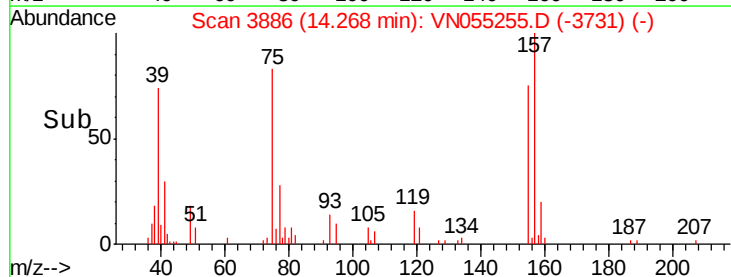
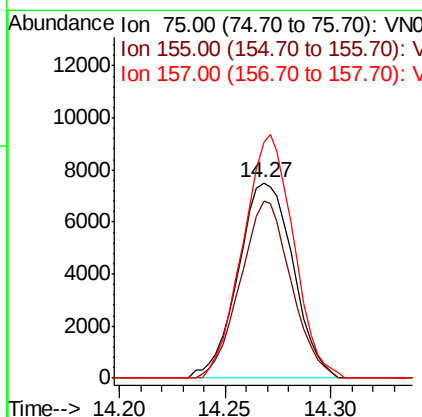
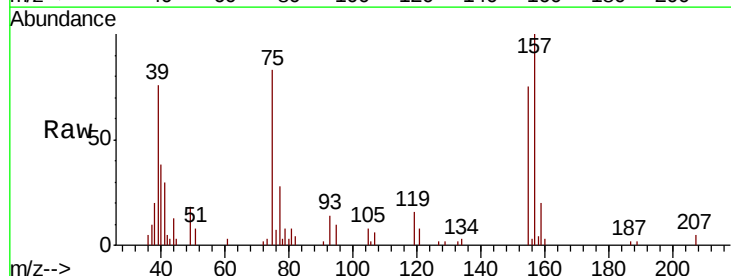
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042619

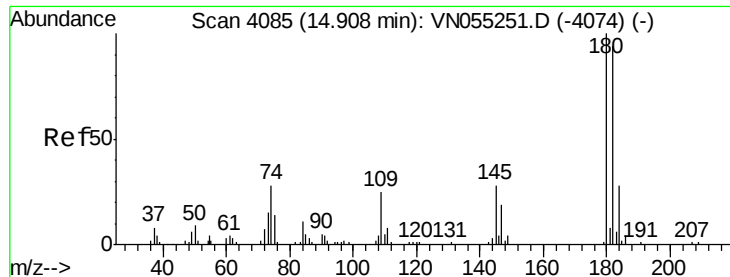
Tot Ion:146 Resp: 141770
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.8 62.2
 148 64.6 31.9 95.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.886 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 75 Resp: 13607
 Ion Ratio Lower Upper
 75 100
 155 83.6 70.4 105.6
 157 114.4 88.5 132.7

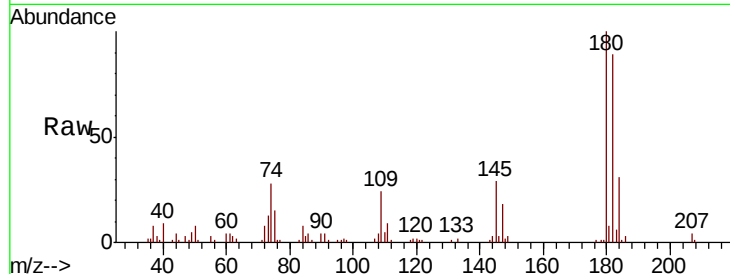




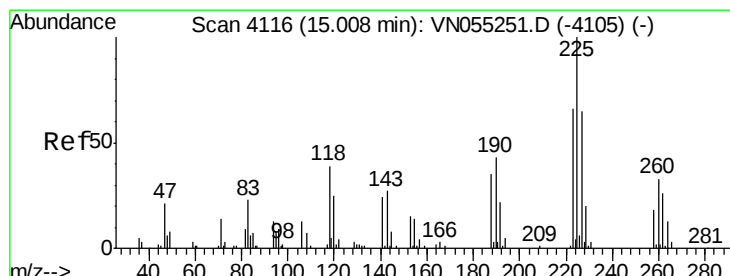
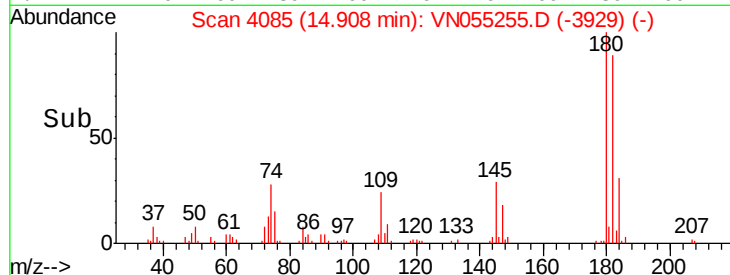
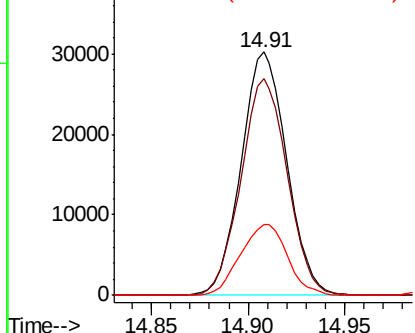
#89
1,2,4-Trichlorobenzene
Concen: 17.193 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion:180 Resp: 49497
Ion Ratio Lower Upper
180 100
182 90.7 74.8 112.2
145 30.0 23.2 34.8

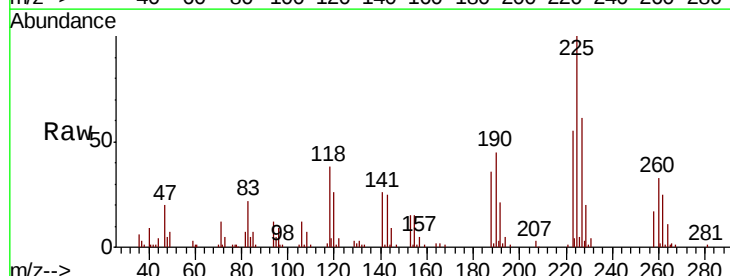


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

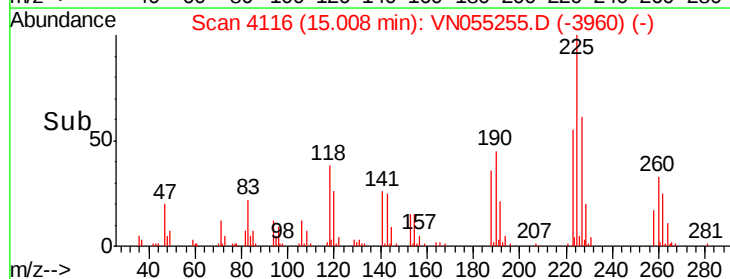
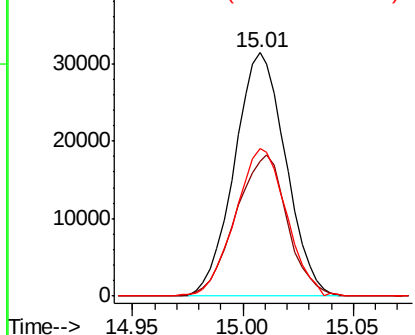


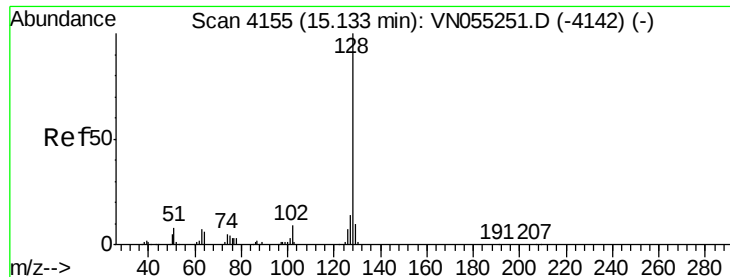
#90
Hexachlorobutadiene
Concen: 20.823 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:225 Resp: 50759
Ion Ratio Lower Upper
225 100
223 58.5 0.0 125.2
227 60.5 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.529 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

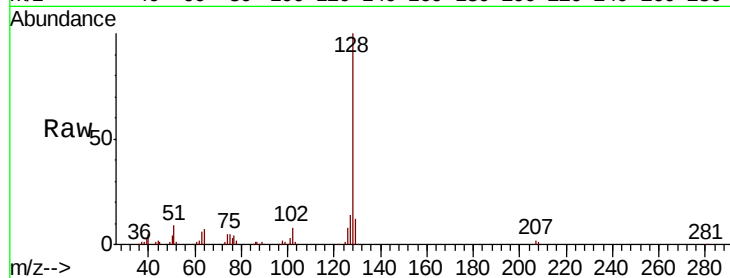
Tot Ion:128 Resp: 109957

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.0 12.0

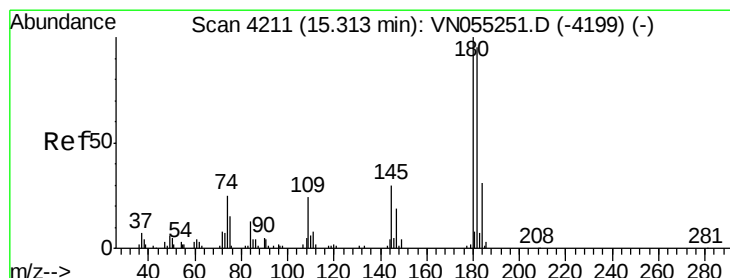
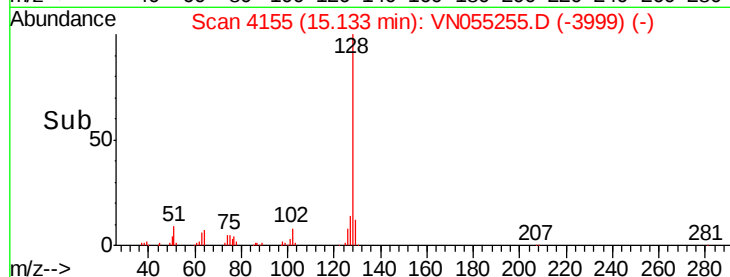
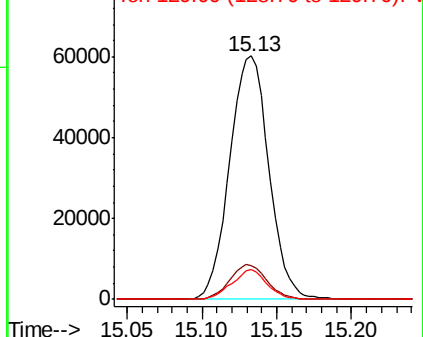


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.848 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

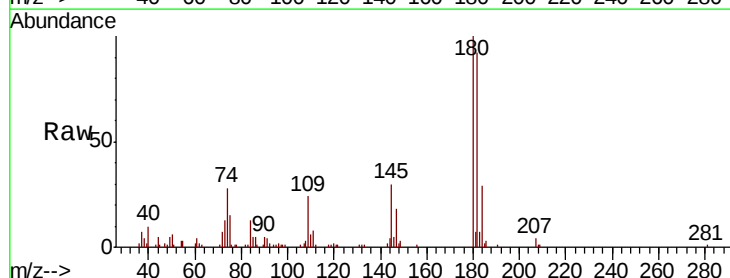
Tgt Ion:180 Resp: 53607

Ion Ratio Lower Upper

180 100

182 95.4 0.0 188.0

145 29.8 0.0 60.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

