

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055288.D
 Acq On : 29 Apr 2019 12:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Quant Time: Apr 30 04:28:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	717606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260523	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	287638	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	231102	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	856808	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	287518	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	285776	51.567	ug/l	100
3) Chloromethane	2.06	50	335689	48.919	ug/l	100
4) Vinyl Chloride	2.19	62	265274	47.957	ug/l	100
5) Bromomethane	2.56	94	149729	51.102	ug/l	96
6) Chloroethane	2.70	64	142203	47.456	ug/l	95
7) Trichlorofluoromethane	3.02	101	374002	47.549	ug/l	99
8) Diethyl Ether	3.41	74	135392	49.200	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228403	48.764	ug/l	99
10) Methyl Iodide	3.96	142	336400	51.034	ug/l	99
11) Tert butyl alcohol	4.79	59	85528	252.458	ug/l	97
12) 1,1-Dichloroethene	3.74	96	221467	49.566	ug/l	98
13) Acrolein	3.61	56	62256	235.305	ug/l	98
14) Allyl chloride	4.33	41	463775	50.117	ug/l	99
15) Acrylonitrile	4.99	53	473459	248.632	ug/l	99
16) Acetone	3.82	43	460003	249.493	ug/l	100
17) Carbon Disulfide	4.06	76	590212	50.616	ug/l	99
18) Methyl Acetate	4.33	43	228370	50.864	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	632551	50.358	ug/l	99
20) Methylene Chloride	4.55	84	257659	45.784	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	231500	48.922	ug/l	95
22) Diisopropyl ether	5.95	45	926338	50.381	ug/l	99
23) Vinyl Acetate	5.90	43	3254712	270.088	ug/l	100
24) 1,1-Dichloroethane	5.85	63	477806	48.773	ug/l	99
25) 2-Butanone	6.84	43	612568	259.792	ug/l	99
26) 2,2-Dichloropropane	6.82	77	349284	51.632	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	270446	50.257	ug/l	99
28) Bromochloromethane	7.20	49	240414	48.685	ug/l	100
29) Tetrahydrofuran	7.21	42	383300	253.868	ug/l	99
30) Chloroform	7.37	83	452429	48.718	ug/l	99
31) Cyclohexane	7.65	56	446404	47.961	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	376277	49.924	ug/l	98
36) 1,1-Dichloropropene	7.79	75	337713	49.132	ug/l	99
37) Ethyl Acetate	6.93	43	260164	49.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	321104	48.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	375559	51.390	ug/l	98
40) Benzene	8.04	78	1005889	49.642	ug/l	99
41) Methacrylonitrile	7.17	41	132251	46.439	ug/l	93
42) 1,2-Dichloroethane	8.12	62	349021	48.633	ug/l	100
43) Isopropyl Acetate	8.16	43	441330	52.130	ug/l #	88
44) Trichloroethene	8.83	130	252490	48.879	ug/l	100
45) 1,2-Dichloropropane	9.12	63	287179	49.140	ug/l	99
46) Dibromomethane	9.21	93	156258	48.916	ug/l	99
47) Bromodichloromethane	9.40	83	342140	49.926	ug/l	99
48) Methyl methacrylate	9.20	41	211769	50.883	ug/l	97
49) 1,4-Dioxane	9.20	88	45759	1063.595	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1230884	258.237	ug/l	99
52) Toluene	10.16	92	595248	51.199	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	332592	55.906	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	401593	54.142	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	215603	49.940	ug/l	99
56) Ethyl methacrylate	10.43	69	297291	55.946	ug/l	98
57) 1,3-Dichloropropane	10.71	76	383121	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	409544	248.418	ug/l	99
59) 2-Hexanone	10.75	43	799763	268.168	ug/l	99
60) Dibromochloromethane	10.90	129	238179	53.979	ug/l	100
61) 1,2-Dibromoethane	11.00	107	207703	52.050	ug/l	99
64) Tetrachloroethene	10.63	164	231774	45.252	ug/l	99
65) Chlorobenzene	11.43	112	608191	49.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233548	48.708	ug/l	100
67) Ethyl Benzene	11.51	91	1123389	50.804	ug/l	99
68) m/p-Xylenes	11.62	106	815673	103.343	ug/l	100
69) o-Xylene	11.95	106	395923	50.609	ug/l	99
70) Styrene	11.96	104	662456	55.151	ug/l	100
71) Bromoform	12.13	173	144973	54.489	ug/l #	99
73) Isopropylbenzene	12.25	105	1068940	51.671	ug/l	100
74) N-amyl acetate	12.07	43	341720	51.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	265289	51.489	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	317042	66.291	ug/l #	100
77) Bromobenzene	12.53	156	257474	51.891	ug/l	98
78) n-propylbenzene	12.59	91	1209447	45.194	ug/l	100
79) 2-Chlorotoluene	12.67	91	732140	51.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	887608	43.459	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63063	45.873	ug/l	95
82) 4-Chlorotoluene	12.77	91	711631	45.735	ug/l	100
83) tert-Butylbenzene	12.99	119	755518	52.401	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	862538	47.220	ug/l	99
85) sec-Butylbenzene	13.17	105	982710	44.268	ug/l	99
86) p-Isopropyltoluene	13.29	119	867682	47.555	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	427069	48.988	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	406223	49.480	ug/l	99
89) n-Butylbenzene	13.61	91	702876	54.213	ug/l	99
90) Hexachloroethane	13.87	117	147101	50.948	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	415663	48.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37587	54.840	ug/l	98

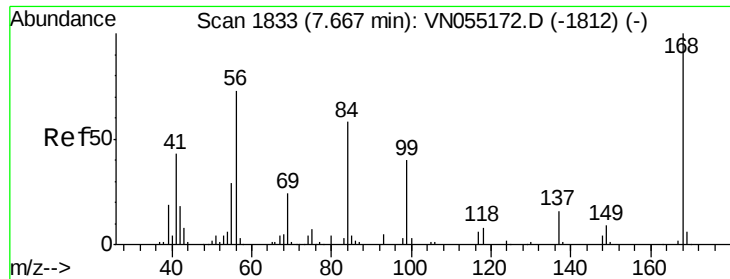
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175764	51.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	143595	55.539	ug/l	99
95) Naphthalene	15.13	128	373471	51.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174812	52.001	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

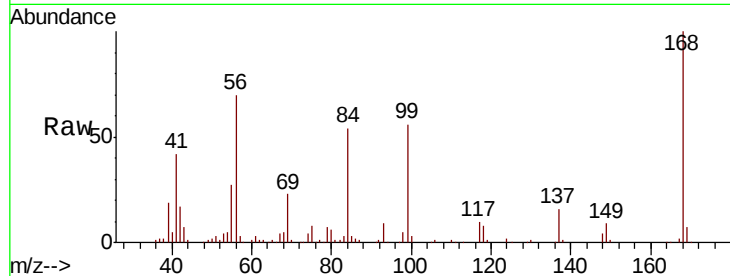
ICVVN042919

Tgt Ion:168 Resp: 452314

Ion Ratio Lower Upper

168 100

99 54.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

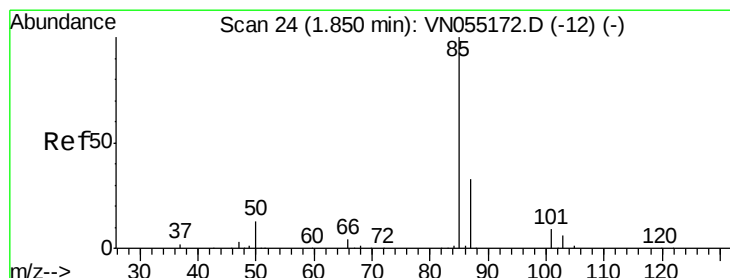
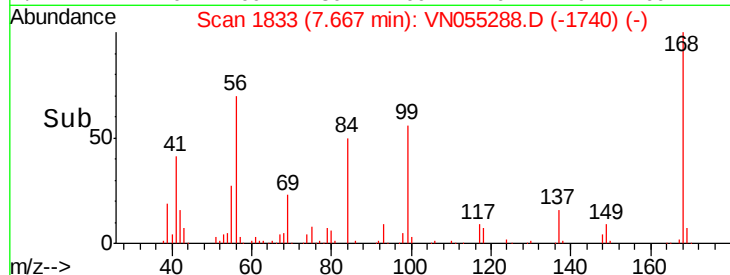
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 51.567 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055288.D

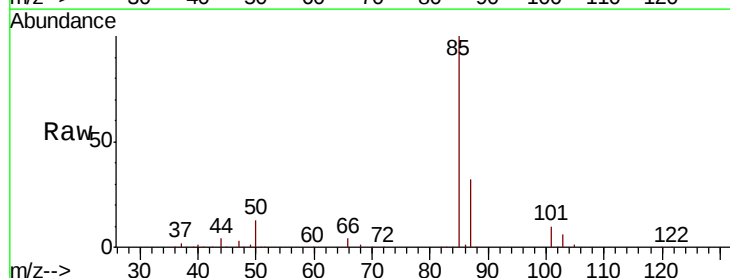
Acq: 29 Apr 2019 12:23

Tgt Ion: 85 Resp: 285776

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

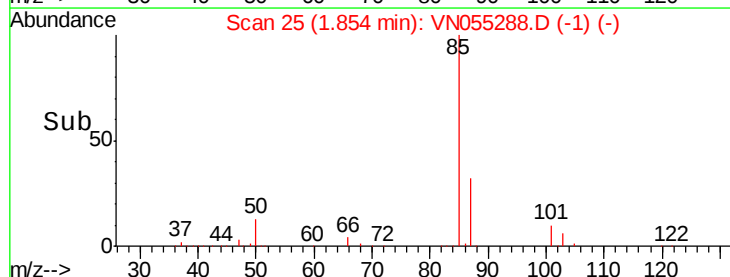
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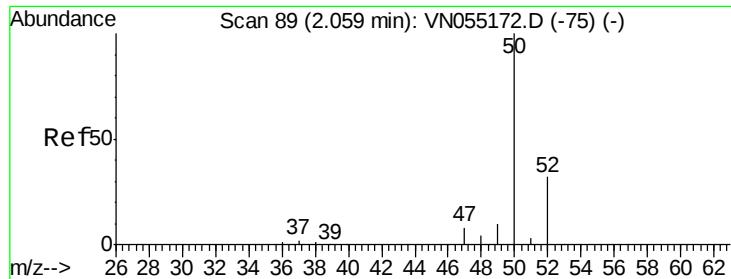
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.919 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

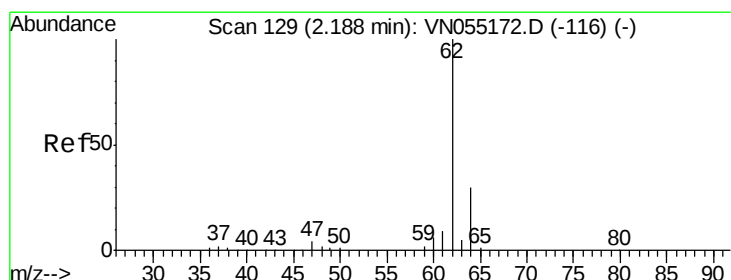
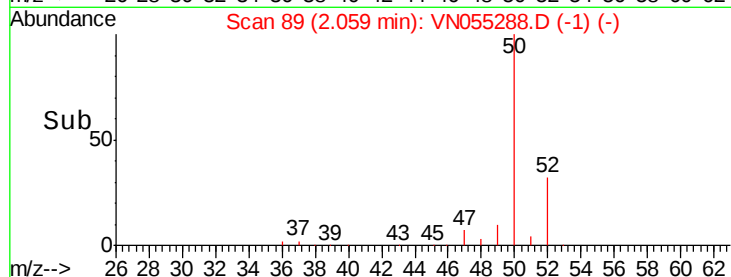
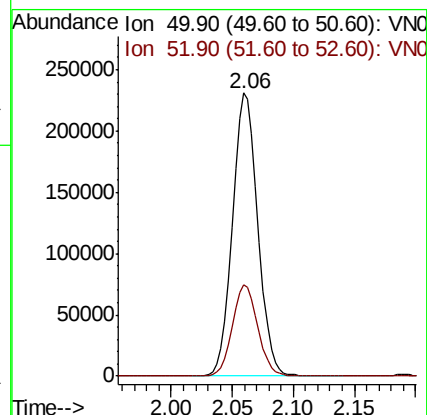
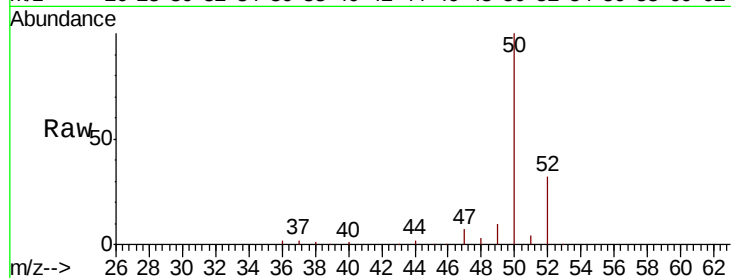
ICVFN042919

Tgt Ion: 50 Resp: 335689

Ion Ratio Lower Upper

50 100

52 32.4 25.7 38.5



#4

Vinyl Chloride

Concen: 47.957 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055288.D

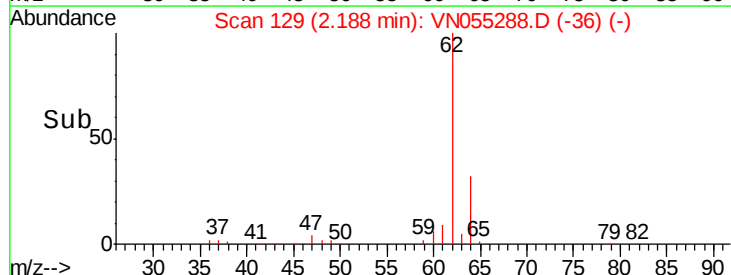
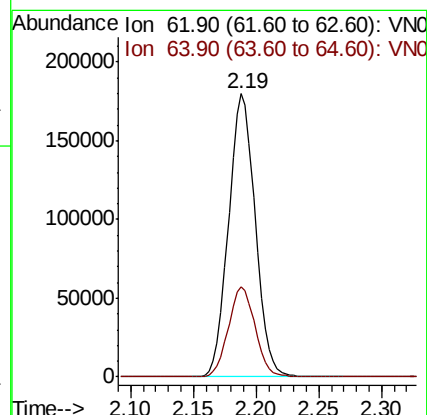
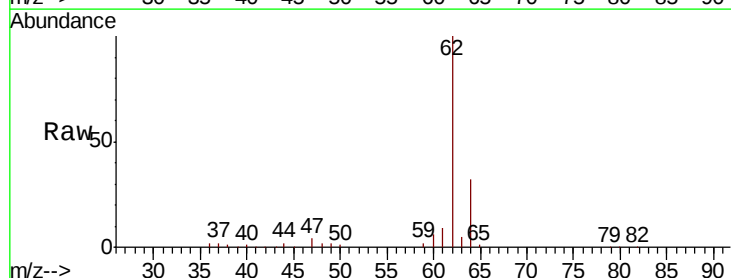
Acq: 29 Apr 2019 12:23

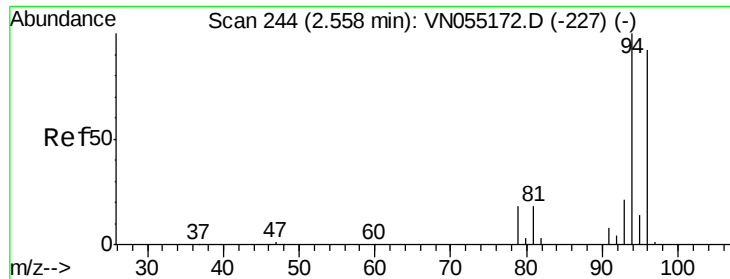
Tgt Ion: 62 Resp: 265274

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 51.102 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

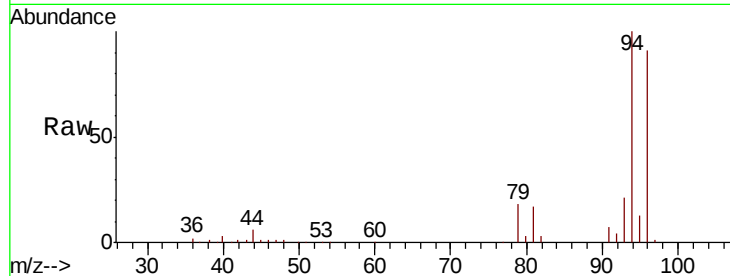
ICVFN042919

Tgt Ion: 94 Resp: 149729

Ion Ratio Lower Upper

94 100

96 91.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

80000

60000

40000

20000

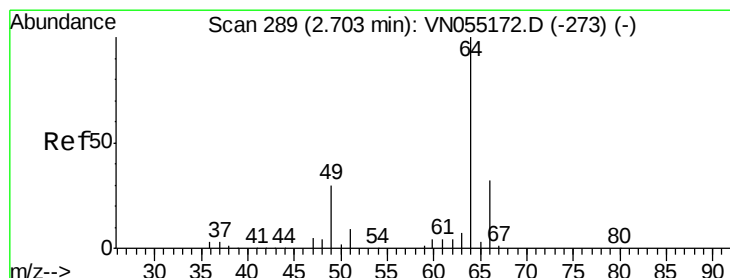
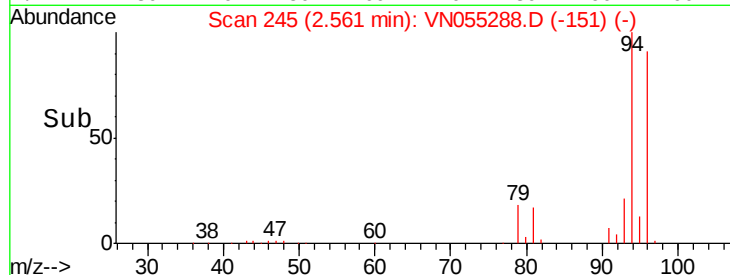
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 47.456 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055288.D

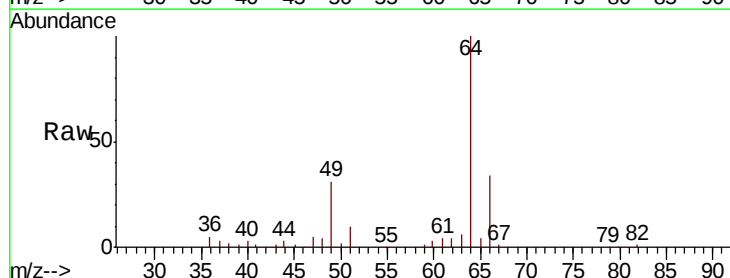
Acq: 29 Apr 2019 12:23

Tgt Ion: 64 Resp: 142203

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

60000

40000

20000

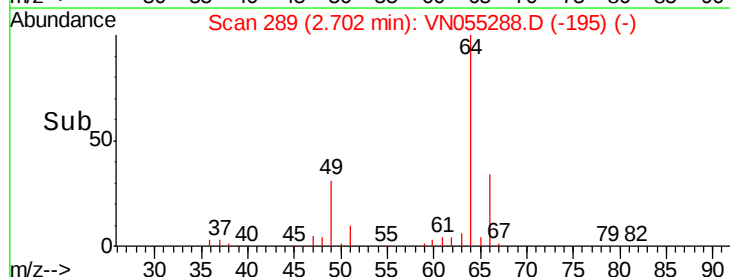
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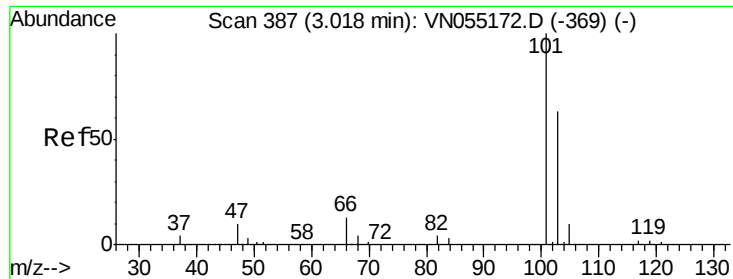
Time-->

2.60

2.70

2.80



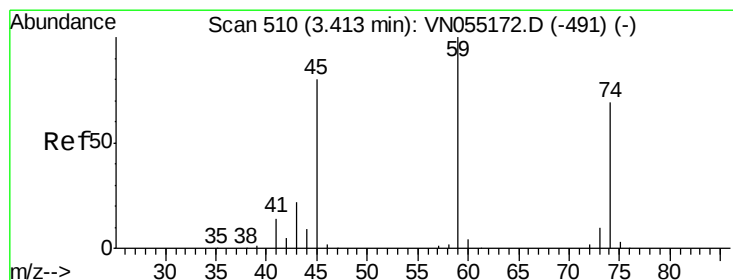
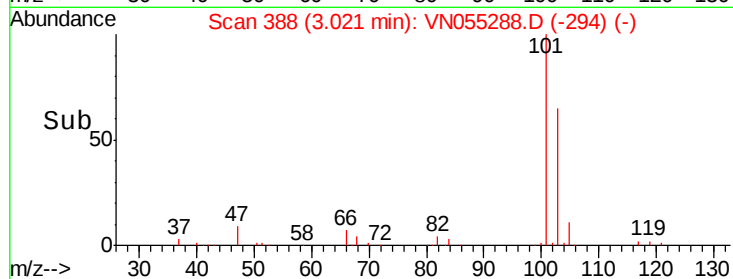
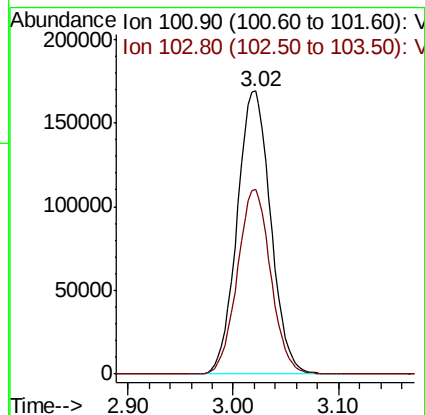
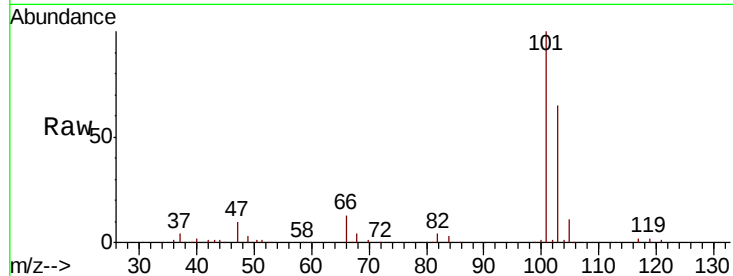


#7

Trichlorofluoromethane
 Concen: 47.549 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
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 ClientSampleId :
 ICVVN042919

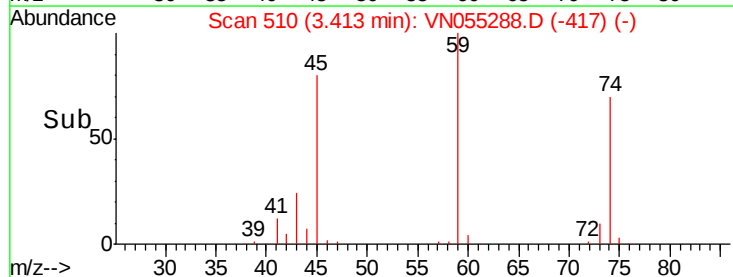
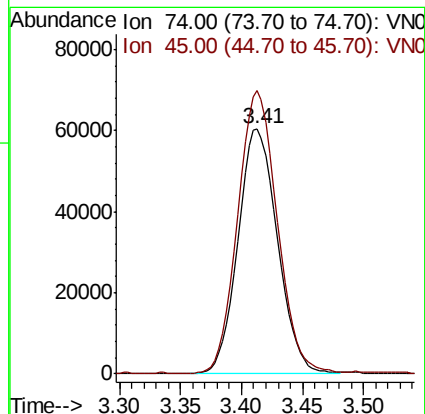
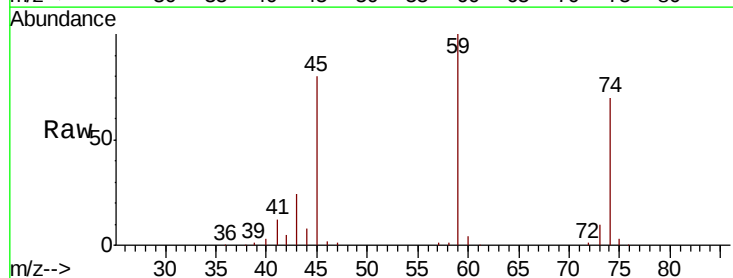
Tgt Ion: 101 Resp: 374002
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

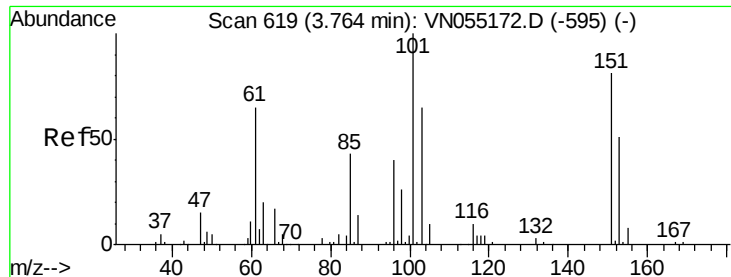


#8

Diethyl Ether
 Concen: 49.200 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 74 Resp: 135392
 Ion Ratio Lower Upper
 74 100
 45 115.1 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.764 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN042919

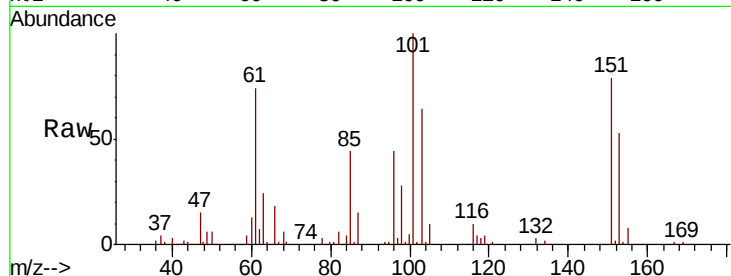
Tgt Ion:101 Resp: 228403

Ion Ratio Lower Upper

101 100

85 43.9 35.7 53.5

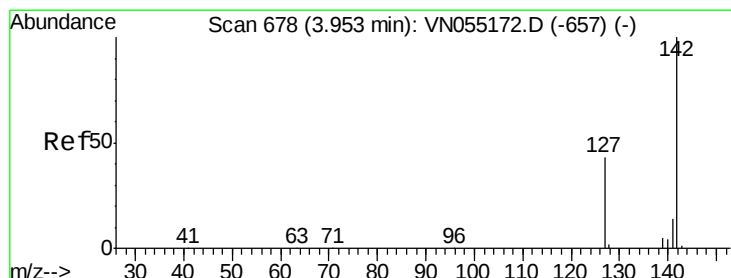
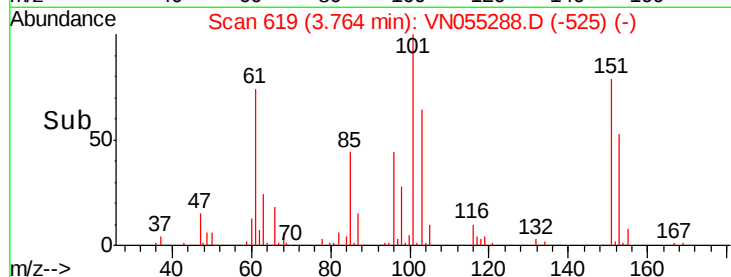
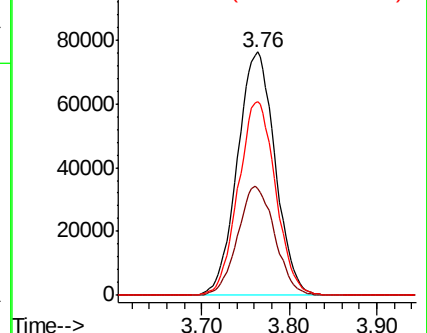
151 78.8 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.034 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

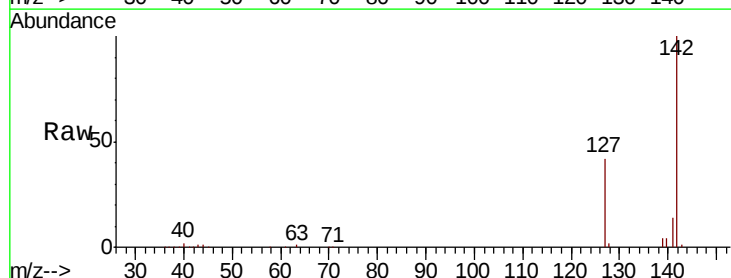
Tgt Ion:142 Resp: 336400

Ion Ratio Lower Upper

142 100

127 42.3 34.4 51.6

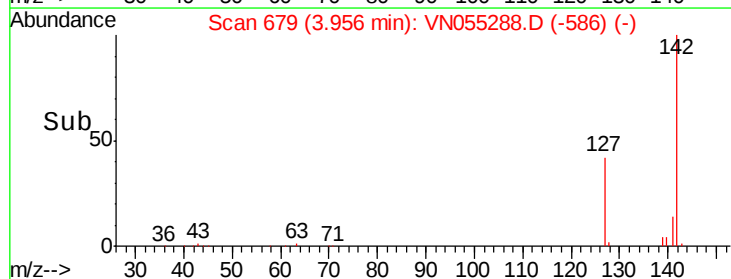
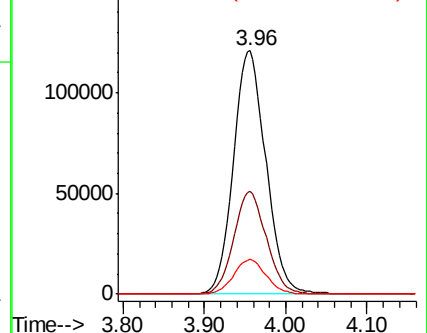
141 14.2 11.5 17.3

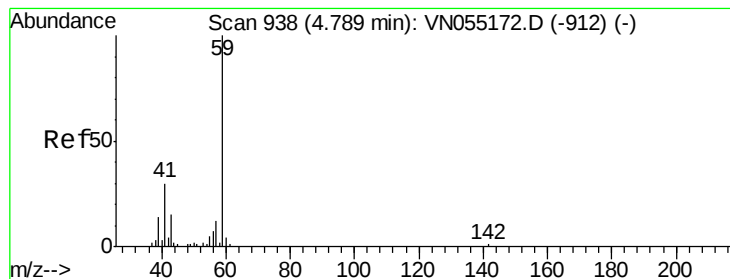


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



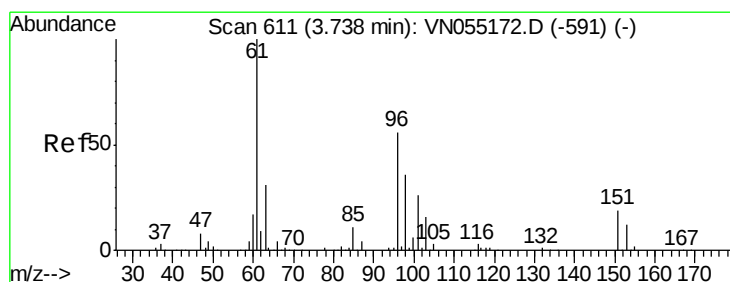
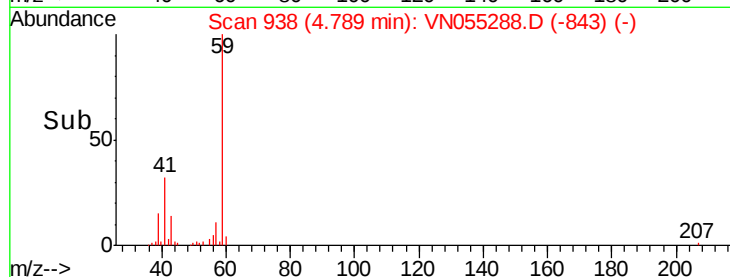
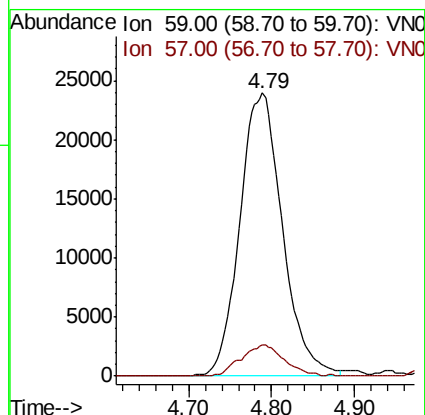
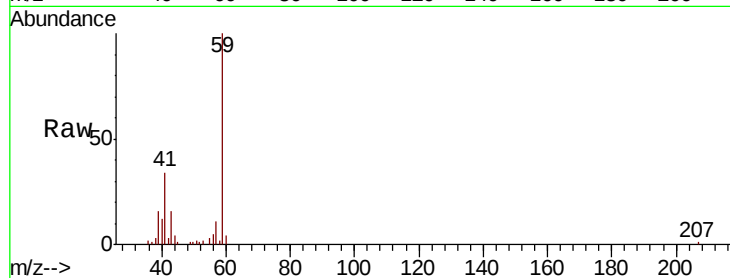


#11

Tert butyl alcohol
 Concen: 252.458 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

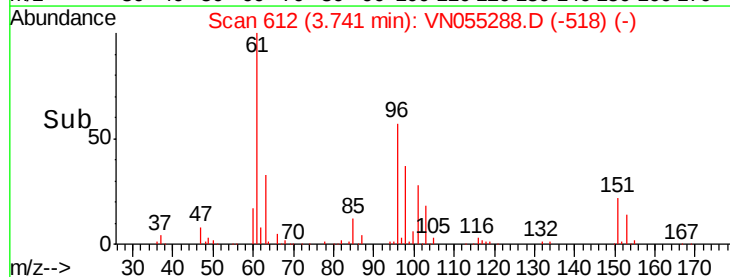
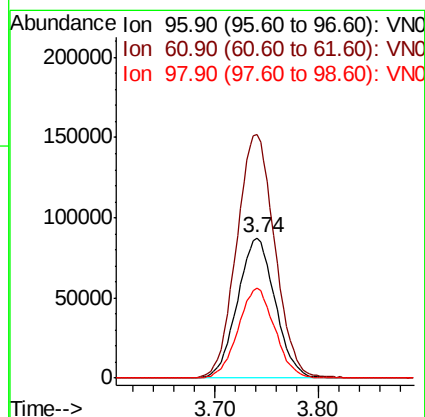
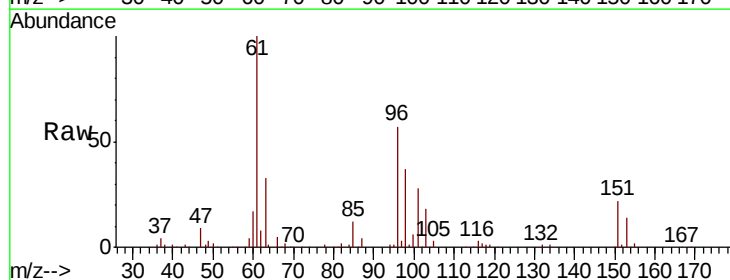
Tgt Ion: 59 Resp: 85528
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.2

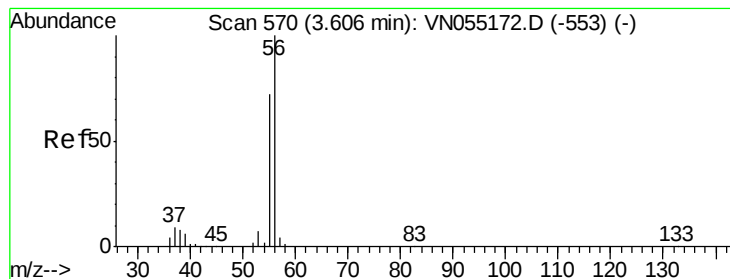


#12

1,1-Dichloroethene
 Concen: 49.566 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 96 Resp: 221467
 Ion Ratio Lower Upper
 96 100
 61 173.9 140.9 211.3
 98 64.3 50.0 75.0





#13

Acrolein

Concen: 235.305 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

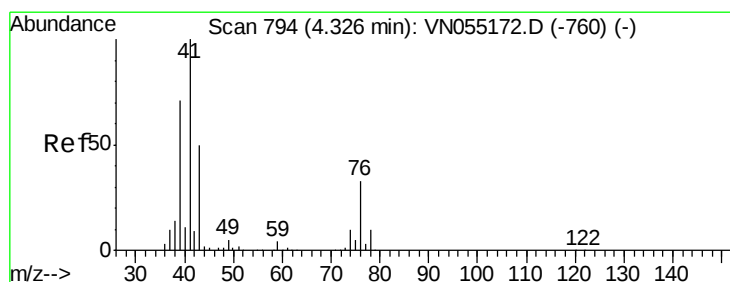
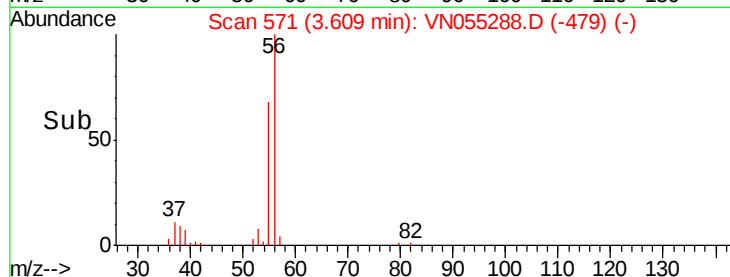
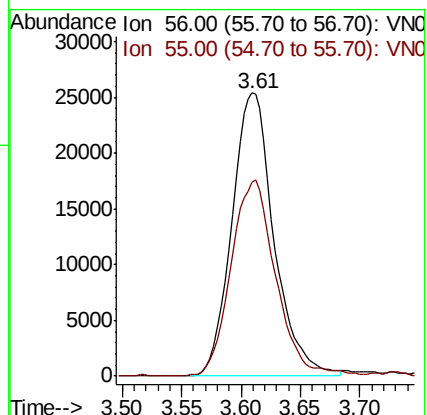
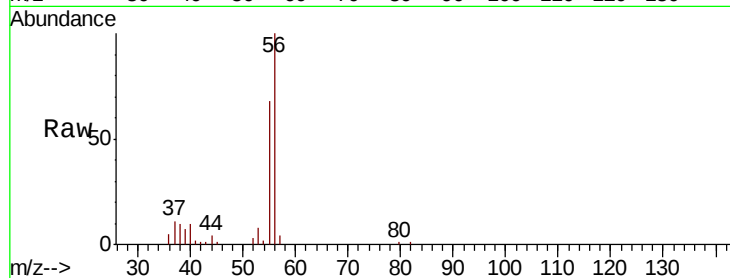
ICVVN042919

Tgt Ion: 56 Resp: 62256

Ion Ratio Lower Upper

56 100

55 73.7 57.4 86.2



#14

Allyl chloride

Concen: 50.117 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

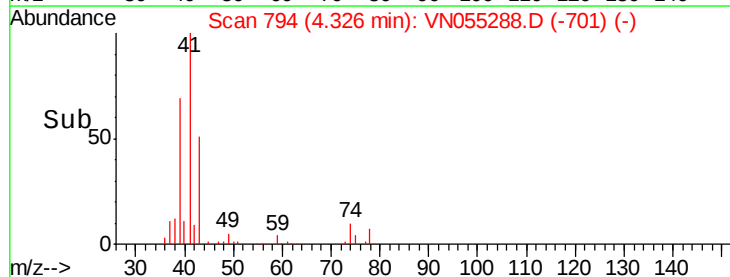
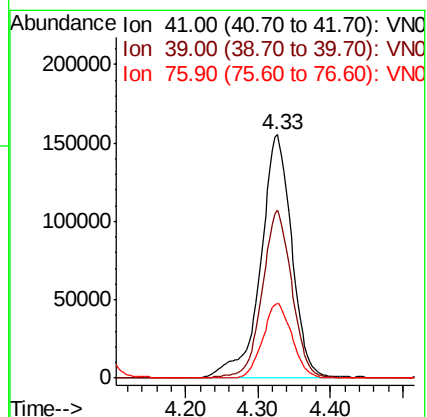
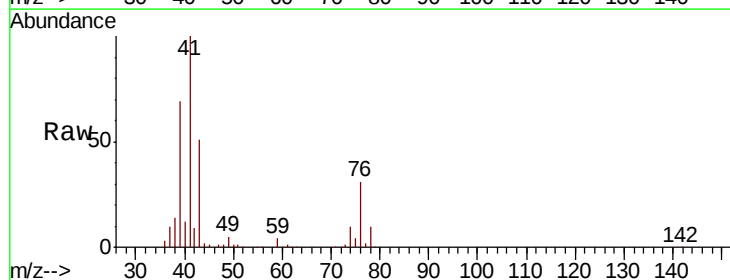
Tgt Ion: 41 Resp: 463775

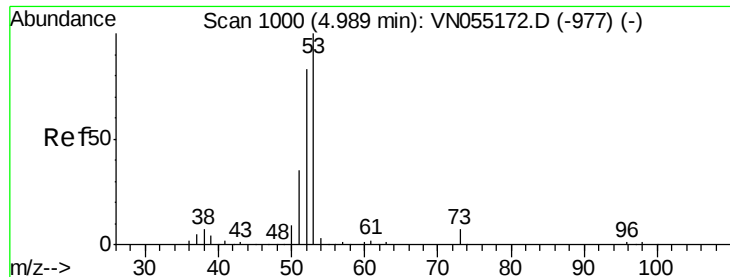
Ion Ratio Lower Upper

41 100

39 65.6 53.0 79.6

76 28.9 22.7 34.1





#15

Acrylonitrile

Concen: 248.632 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVFN042919

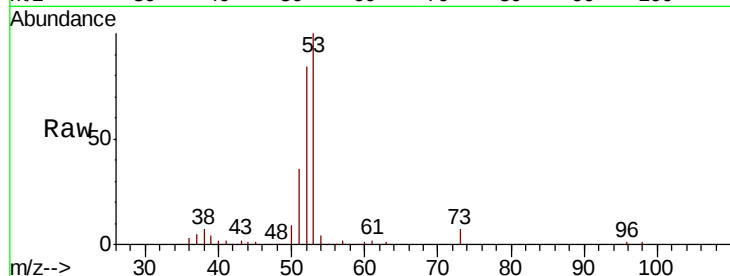
Tgt Ion: 53 Resp: 473459

Ion Ratio Lower Upper

53 100

52 83.4 66.5 99.7

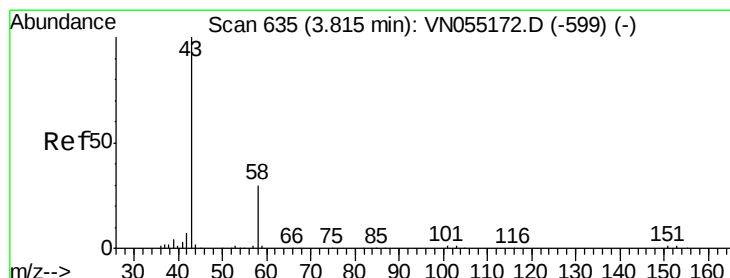
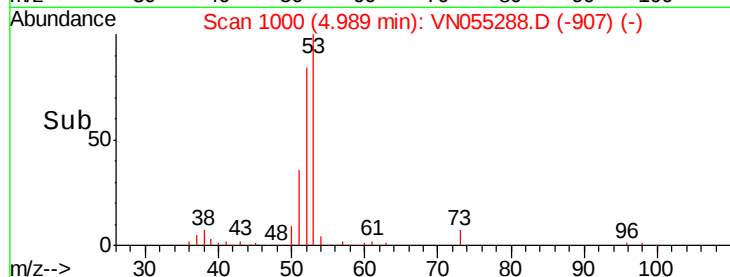
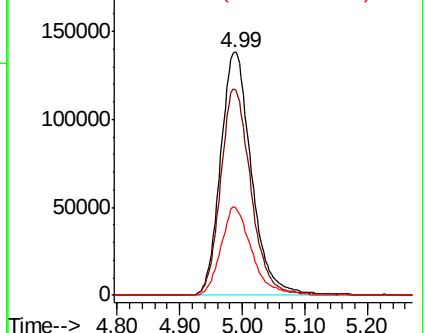
51 36.1 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 249.493 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055288.D

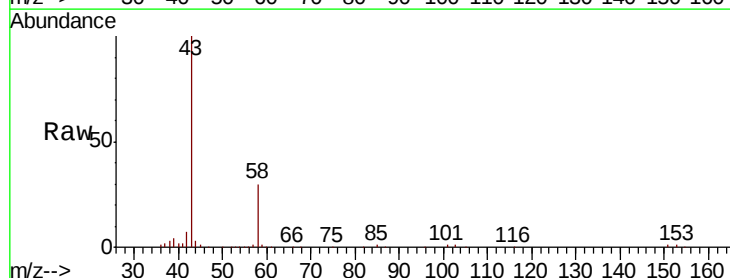
Acq: 29 Apr 2019 12:23

Tgt Ion: 43 Resp: 460003

Ion Ratio Lower Upper

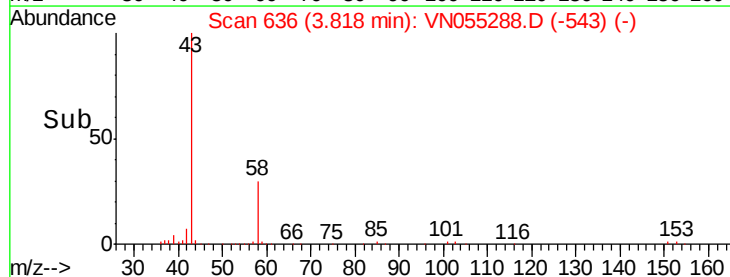
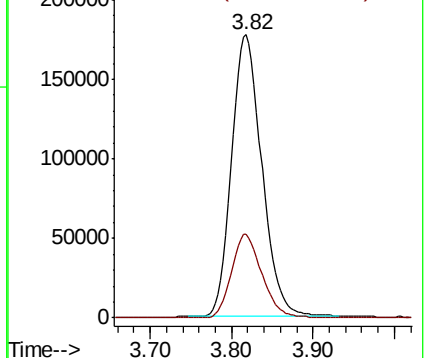
43 100

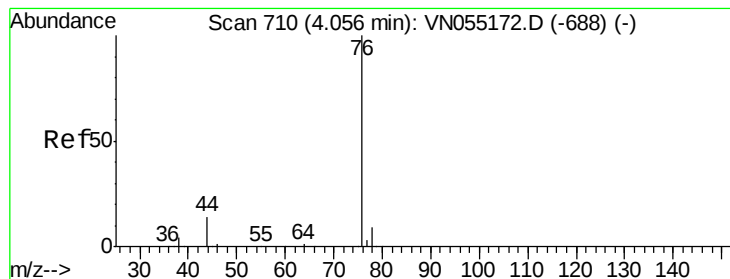
58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 50.616 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

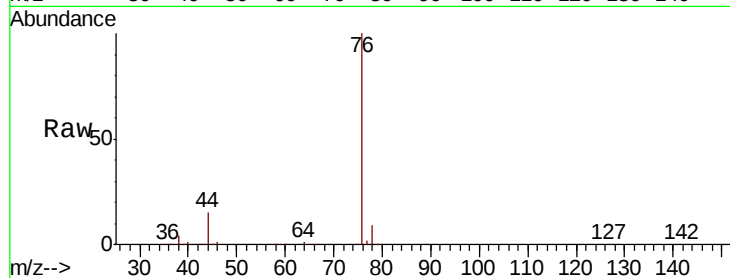
ICVVN042919

Tgt Ion: 76 Resp: 590212

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

250000

200000

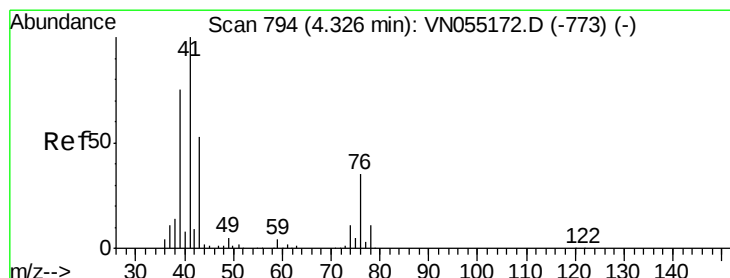
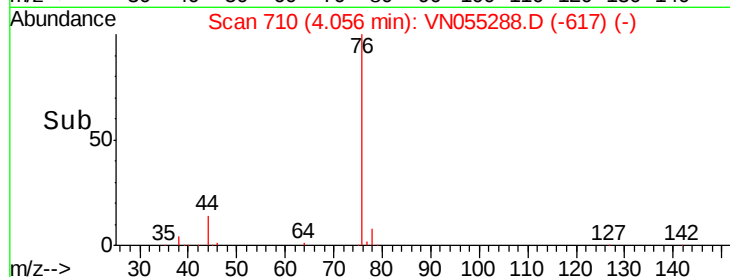
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 50.864 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055288.D

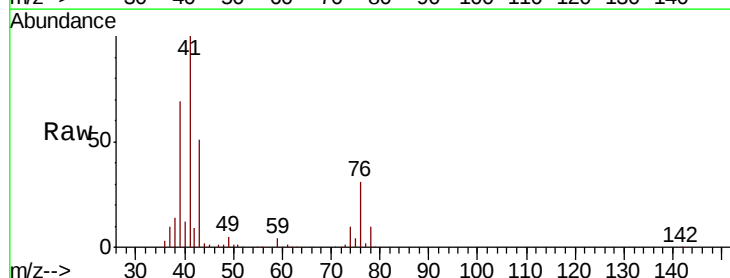
Acq: 29 Apr 2019 12:23

Tgt Ion: 43 Resp: 228370

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

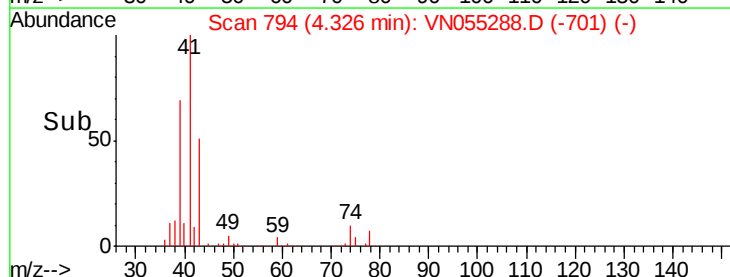
60000

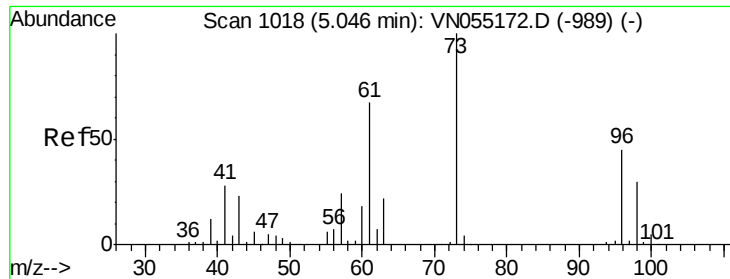
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

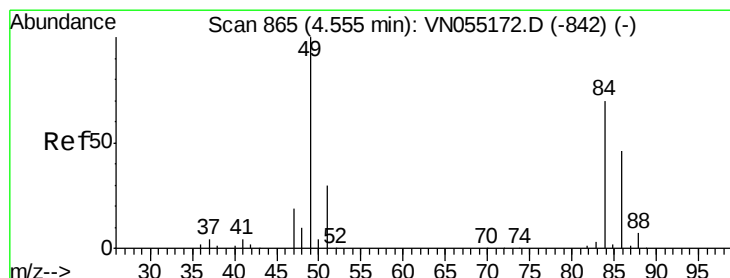
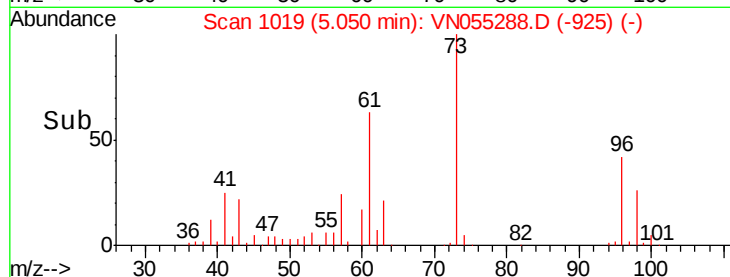
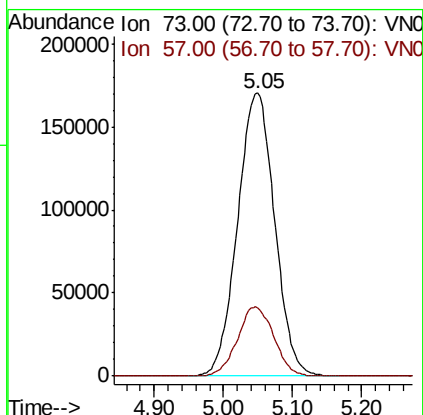
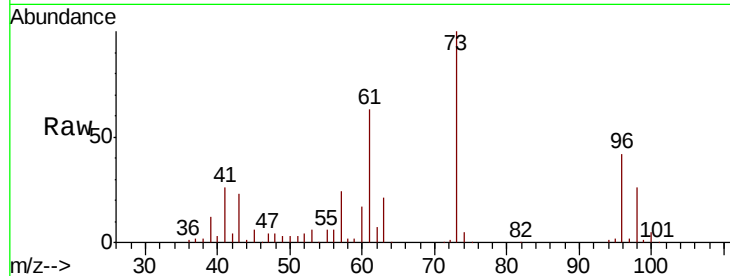




#19
Methyl tert-butyl Ether
Concen: 50.358 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

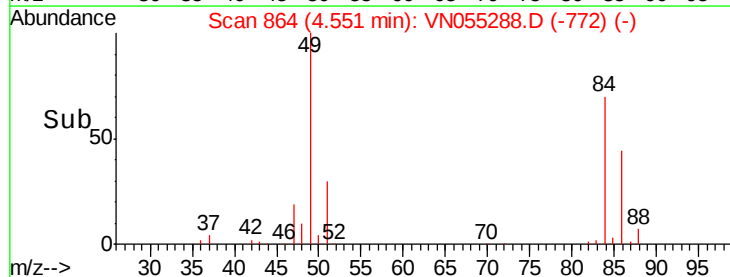
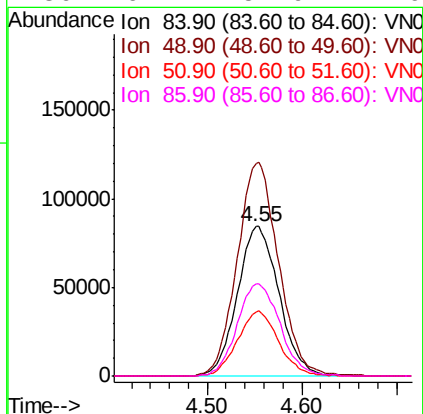
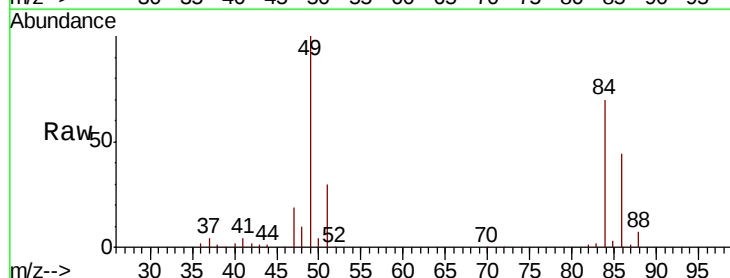
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

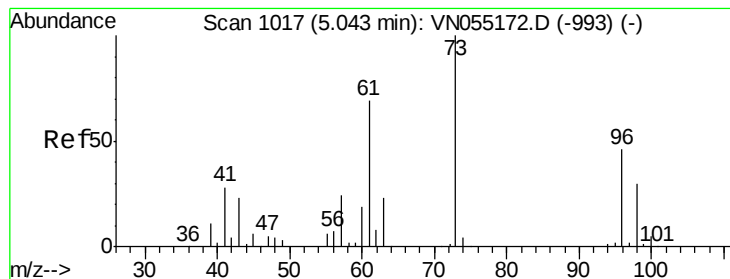
Tgt Ion: 73 Resp: 632551
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7



#20
Methylene Chloride
Concen: 45.784 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 84 Resp: 257659
Ion Ratio Lower Upper
84 100
49 141.9 112.4 168.6
51 42.9 34.6 51.8
86 61.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.922 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

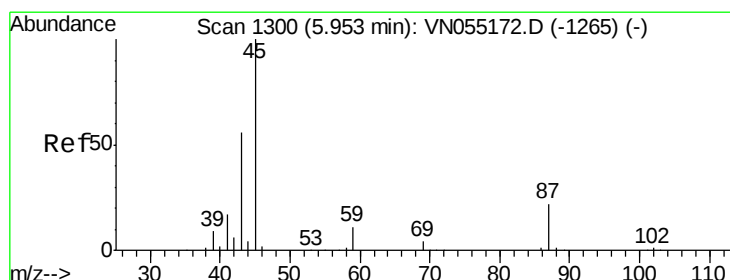
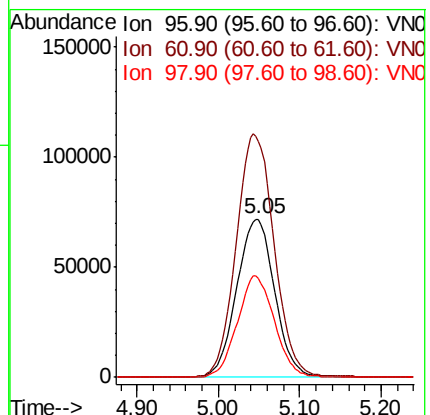
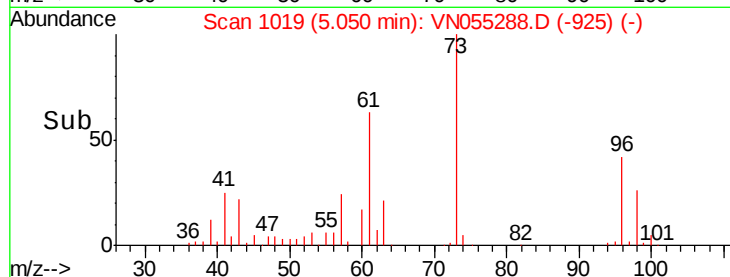
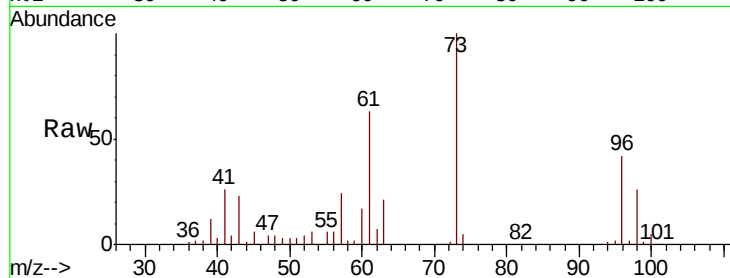
Tgt Ion: 96 Resp: 231500

Ion Ratio Lower Upper

96 100

61 149.4 126.2 189.4

98 62.7 52.2 78.2



#22

Diisopropyl ether

Concen: 50.381 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion: 45 Resp: 926338

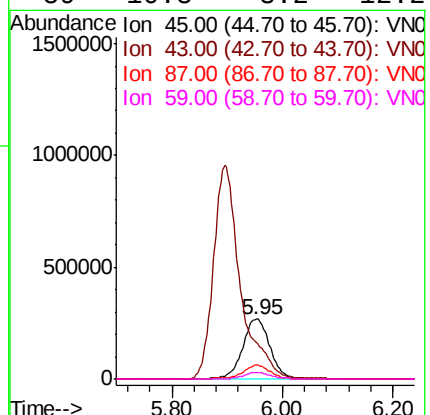
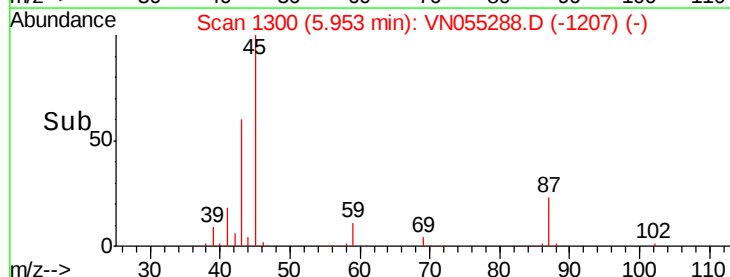
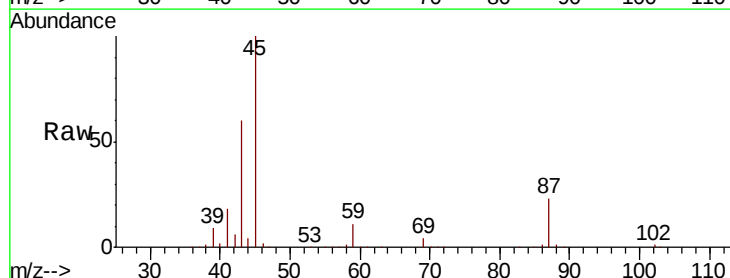
Ion Ratio Lower Upper

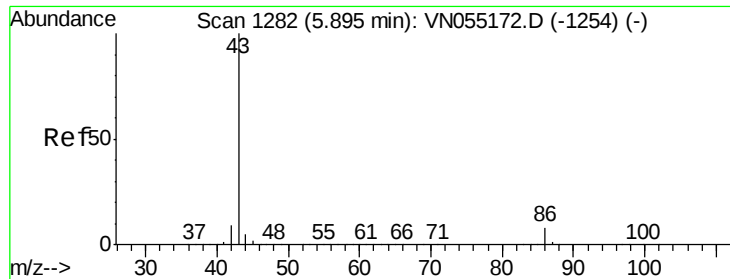
45 100

43 59.5 46.6 70.0

87 22.7 18.1 27.1

59 10.8 8.2 12.2

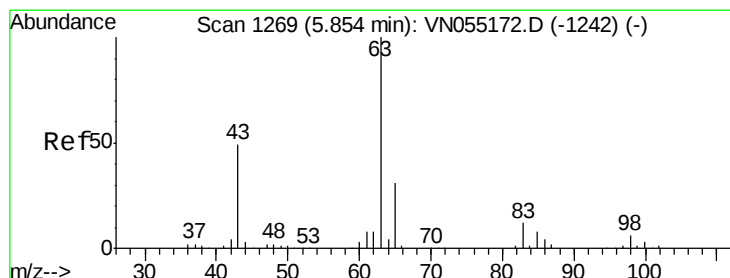
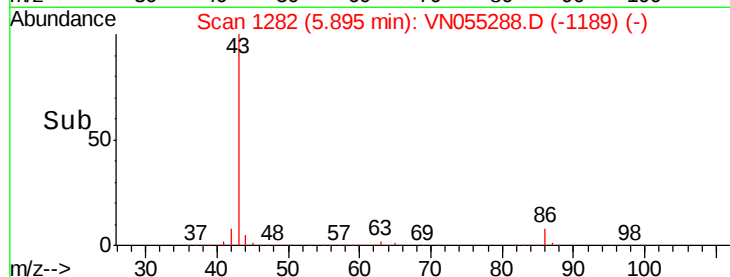
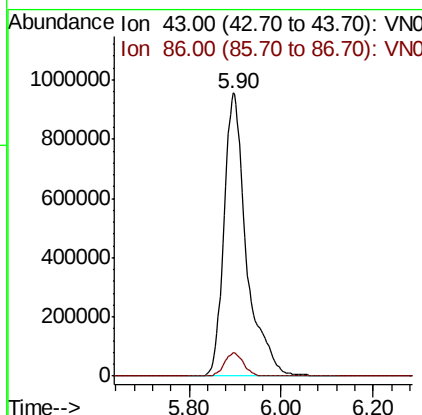
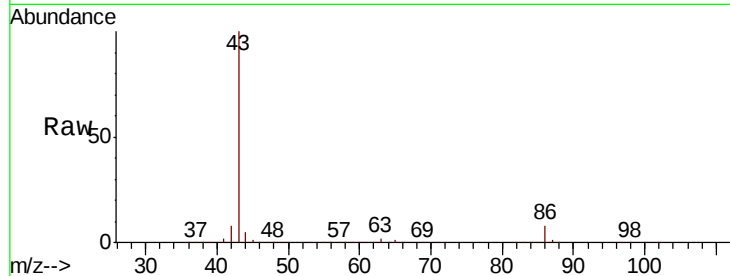




#23
 Vinyl Acetate
 Concen: 270.088 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

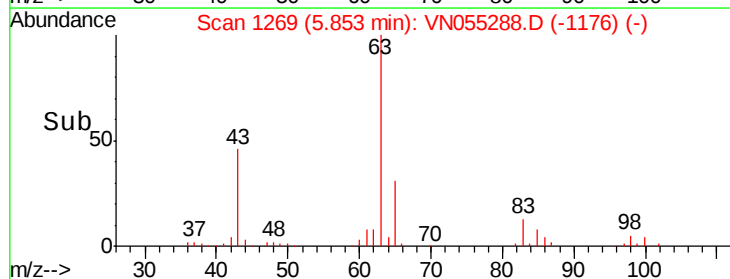
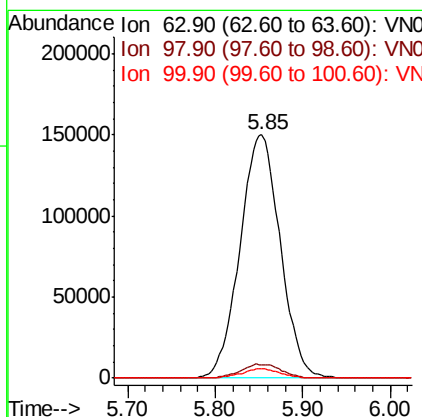
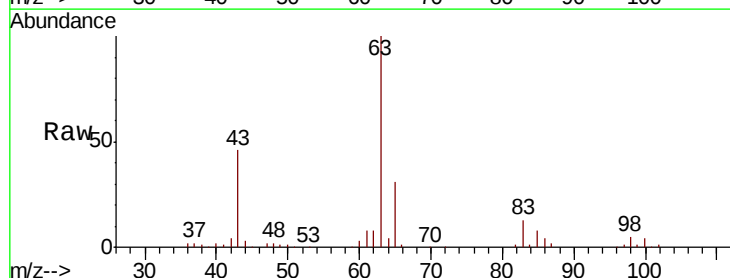
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

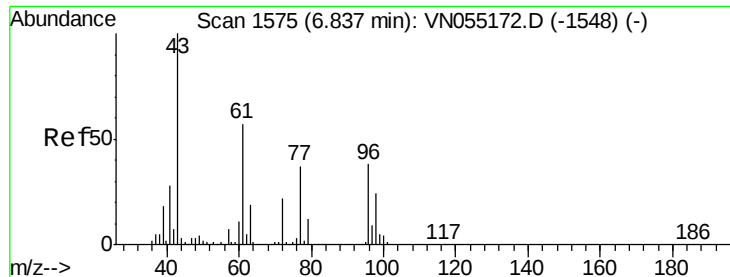
Tgt Ion: 43 Resp: 3254712
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 48.773 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 63 Resp: 477806
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 3.7 1.8 5.4

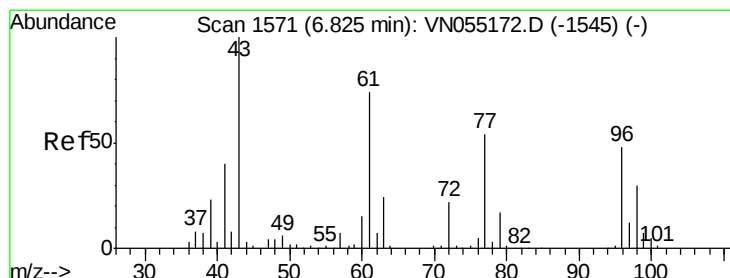
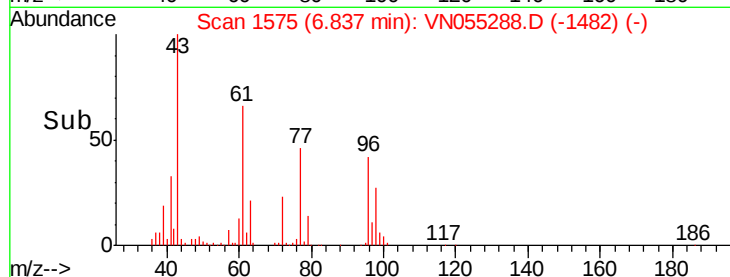
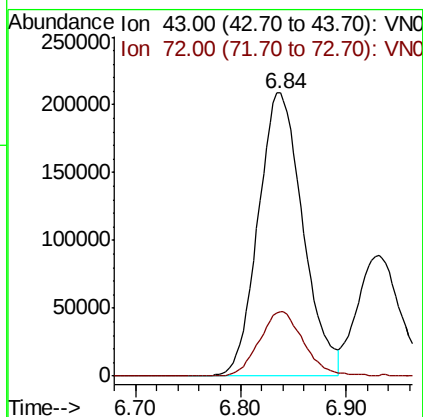
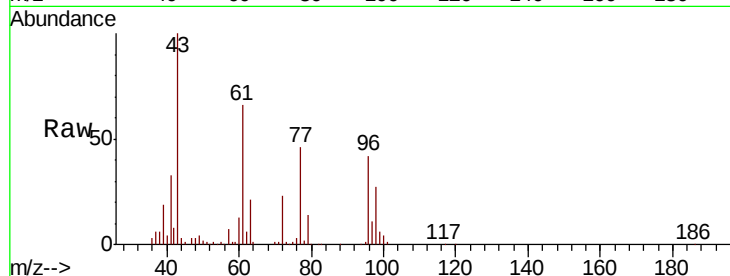




#25
2-Butanone
Concen: 259.792 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

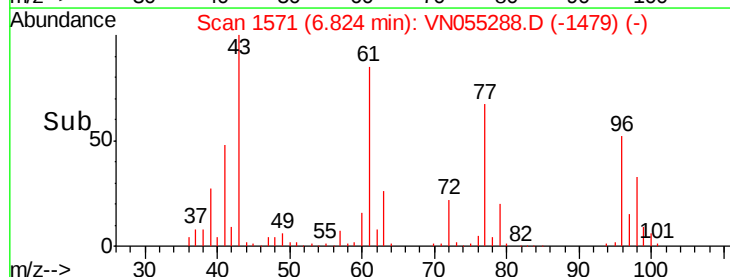
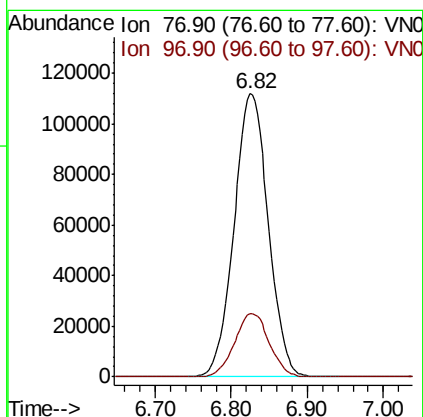
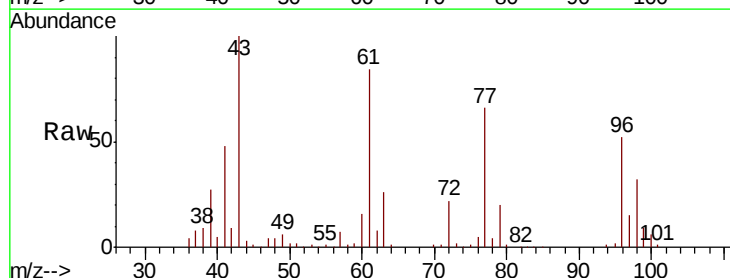
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

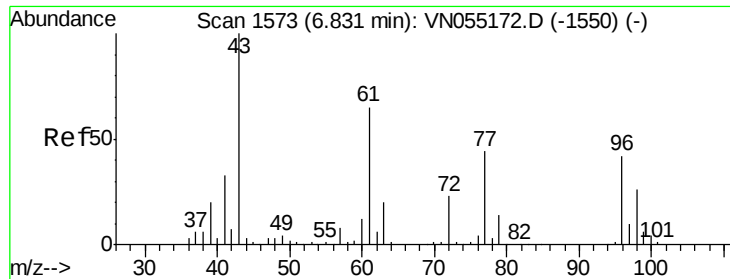
Tgt Ion: 43 Resp: 612568
Ion Ratio Lower Upper
43 100
72 22.9 18.0 27.0



#26
2,2-Dichloropropane
Concen: 51.632 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 77 Resp: 349284
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

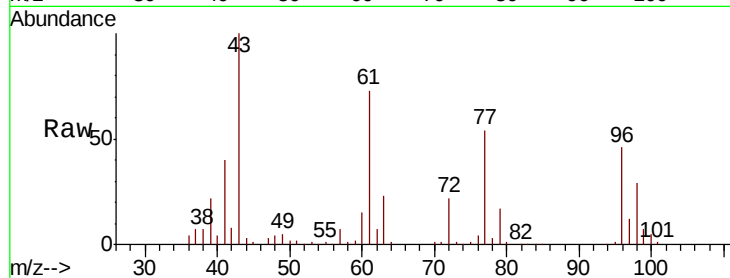
Tgt Ion: 96 Resp: 270446

Ion Ratio Lower Upper

96 100

61 159.9 0.0 316.2

98 63.3 0.0 126.6

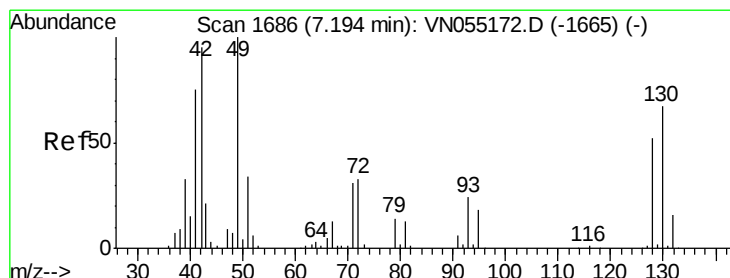
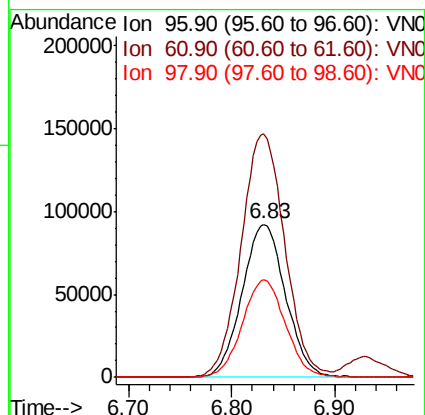
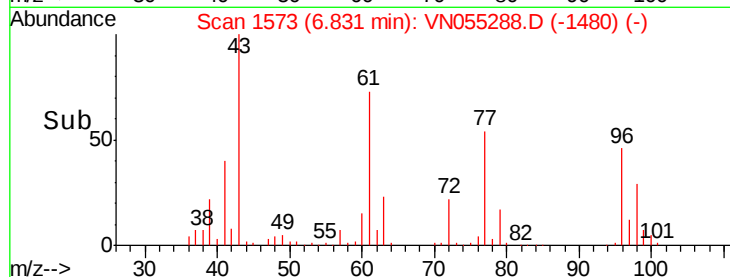


Abundance Ion 95.90 (95.60 to 96.60): VN055172.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055172.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055172.D (-1550) (-)

Time-->



#28

Bromochloromethane

Concen: 48.685 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

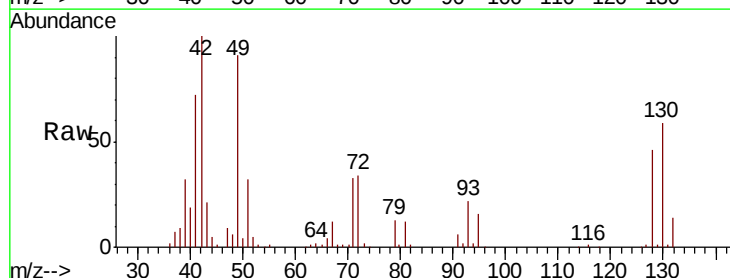
Tgt Ion: 49 Resp: 240414

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.4

130 64.7 52.0 78.0

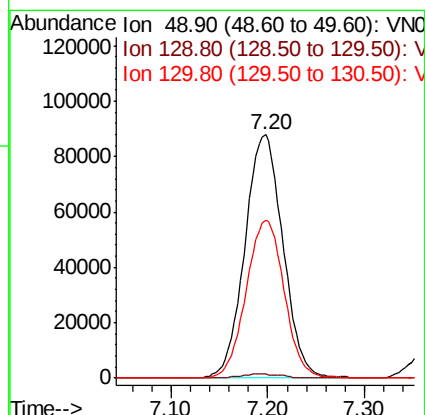
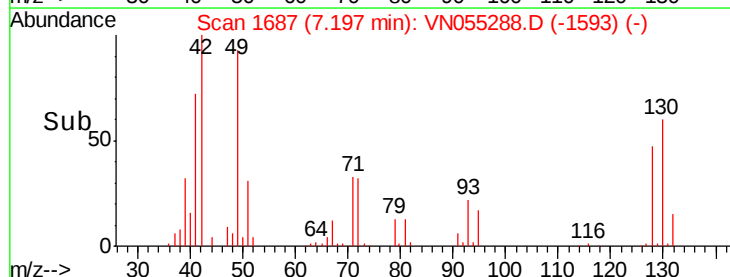


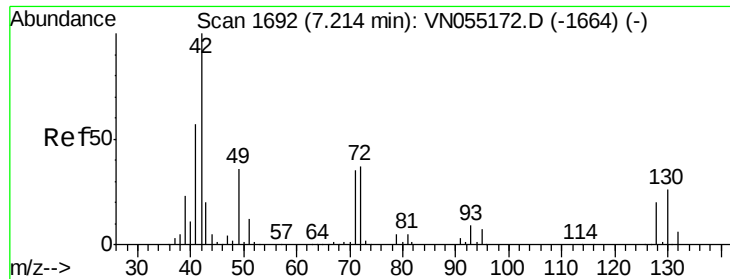
Abundance Ion 48.90 (48.60 to 49.60): VN055172.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055172.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055172.D (-1665) (-)

Time-->

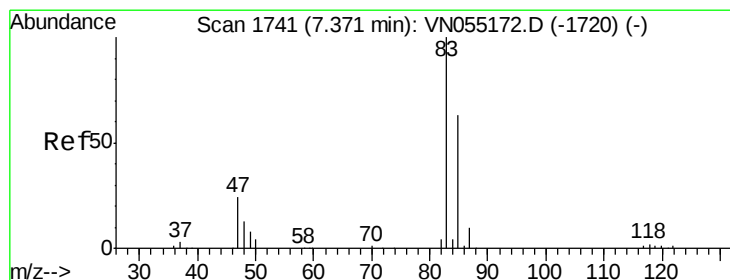
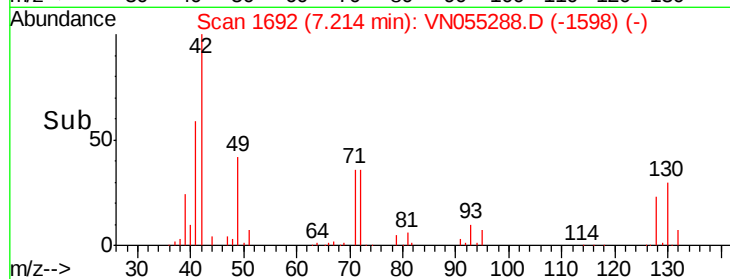
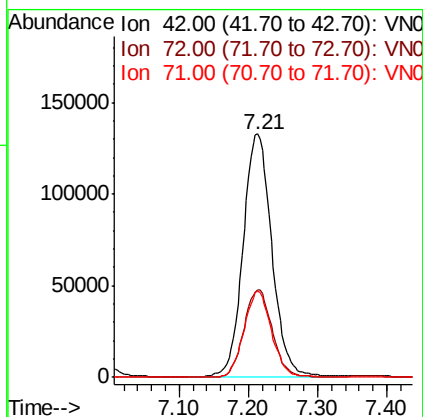
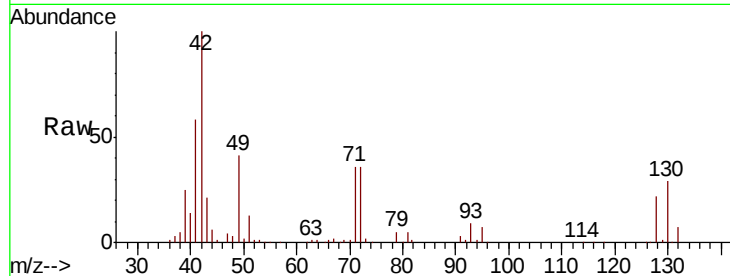




#29
Tetrahydrofuran
Concen: 253.868 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

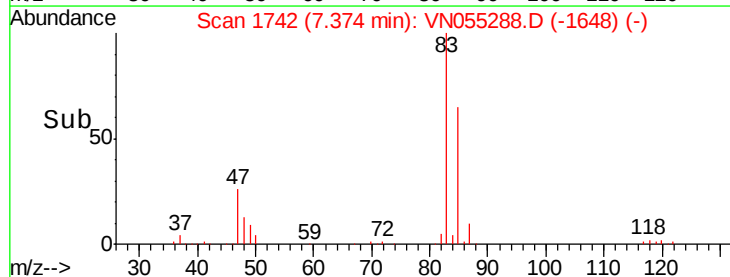
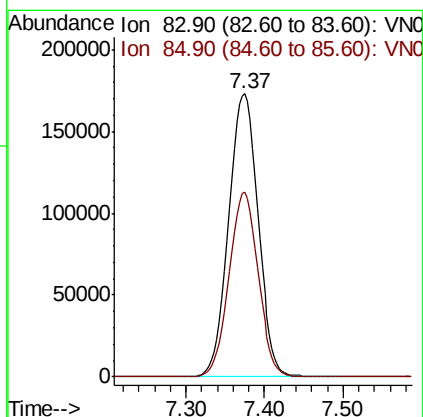
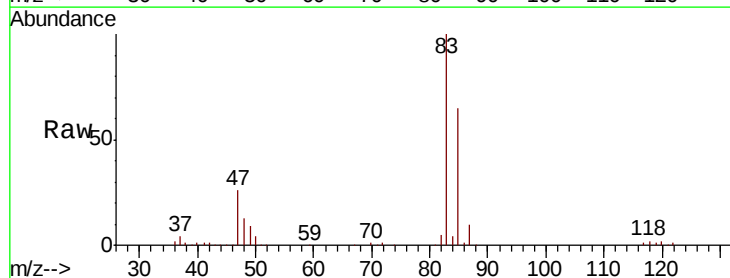
Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

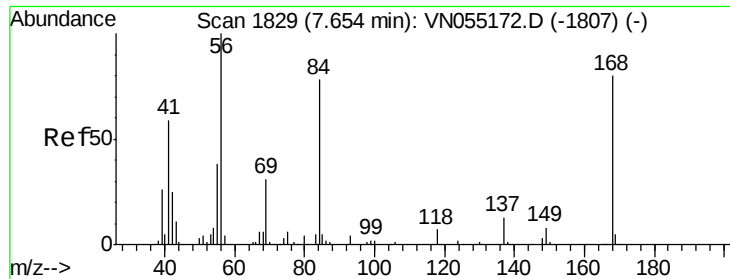
Tgt Ion: 42 Resp: 383300
Ion Ratio Lower Upper
42 100
72 35.5 29.0 43.6
71 33.7 27.1 40.7



#30
Chloroform
Concen: 48.718 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 83 Resp: 452429
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2

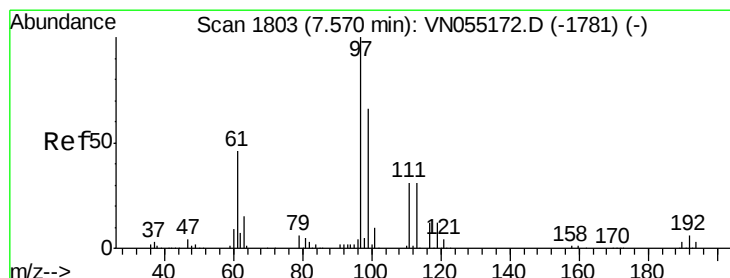
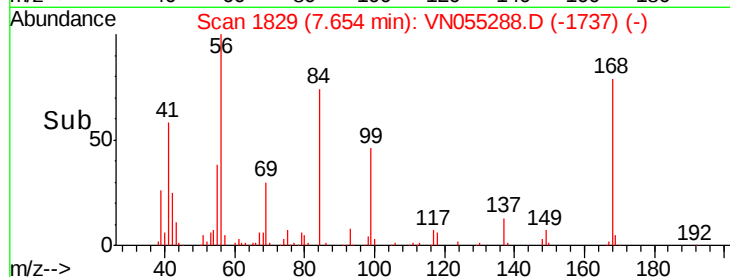
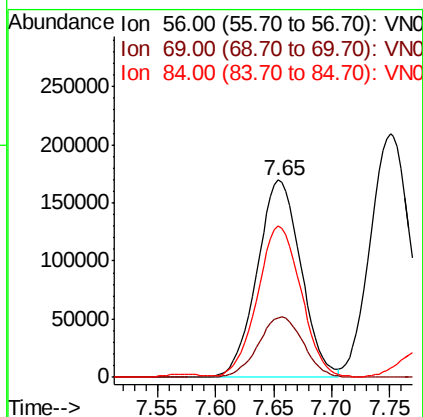
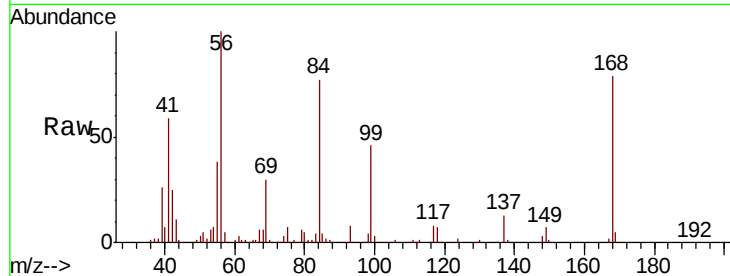




#31
Cyclohexane
Concen: 47.961 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

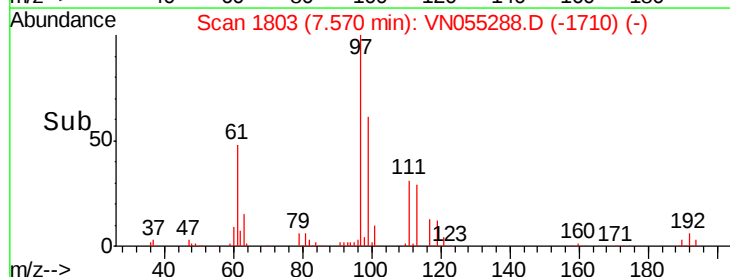
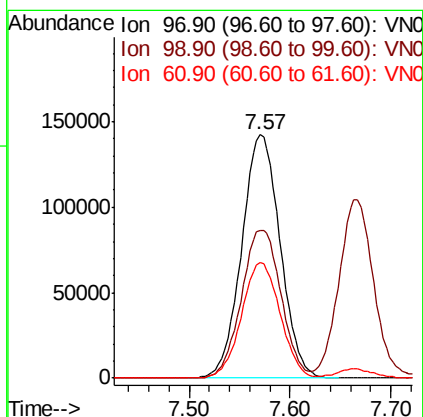
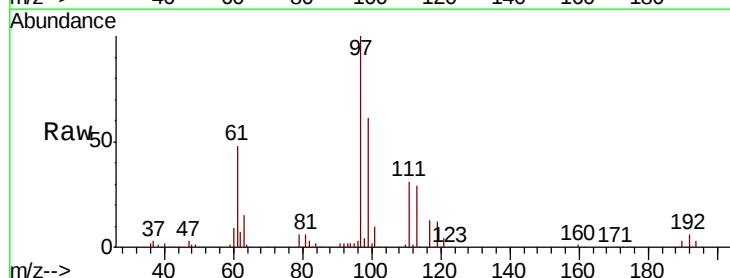
Instrument :
MSVOA_N
ClientSampled :
ICVVN042919

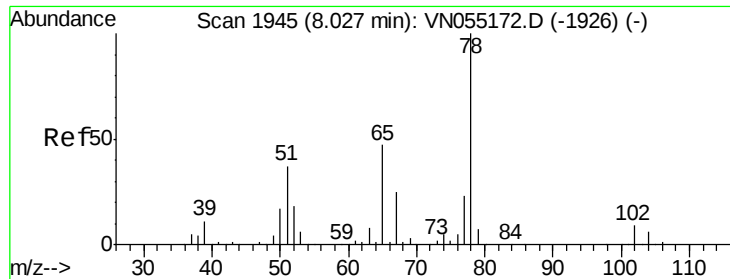
Tgt Ion: 56 Resp: 446404
Ion Ratio Lower Upper
56 100
69 30.2 25.2 37.8
84 75.5 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 49.924 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 97 Resp: 376277
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.8
61 47.8 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 48.610 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

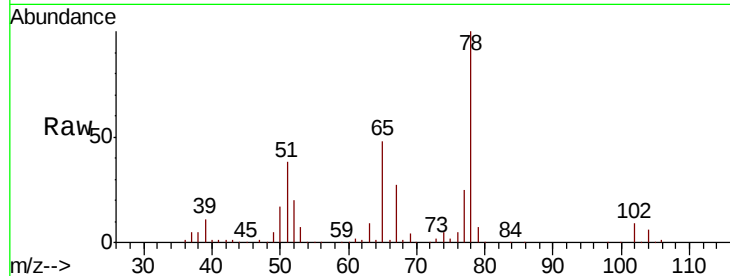
ICVFN042919

Tgt Ion: 65 Resp: 287638

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055288.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055288.D (-1926) (-)

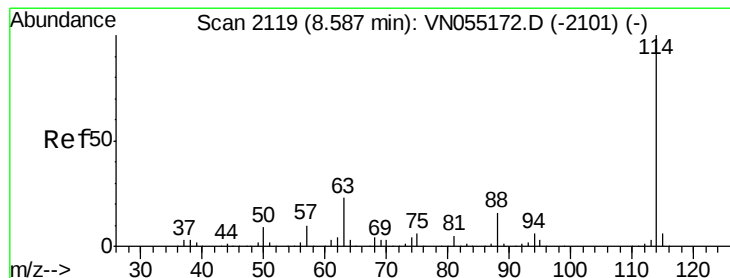
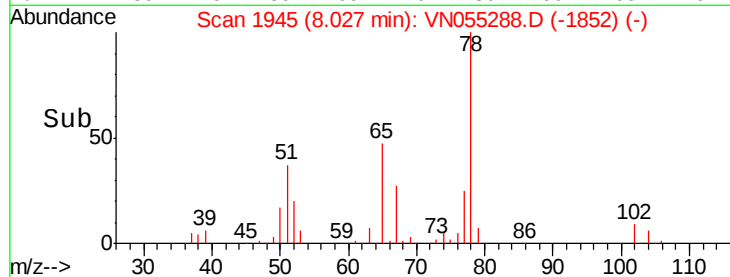
8.03

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

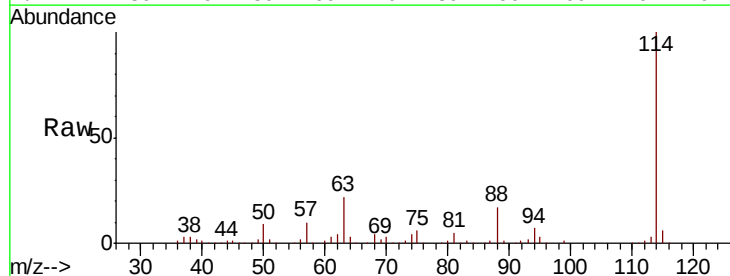
Tgt Ion: 114 Resp: 717606

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 16.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055288.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055288.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055288.D (-2101) (-)

8.59

400000

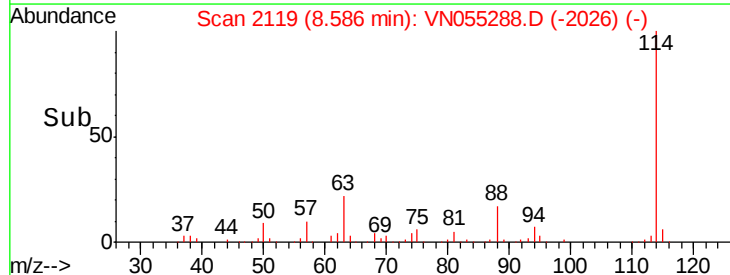
300000

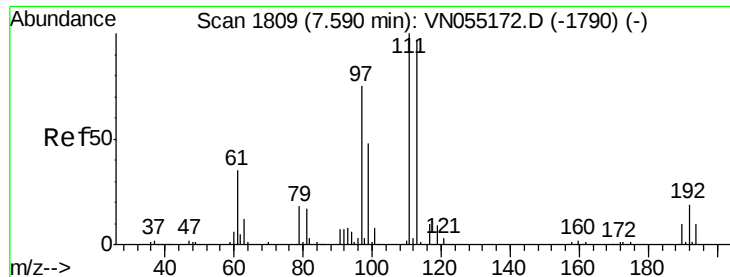
200000

100000

0

Time-->

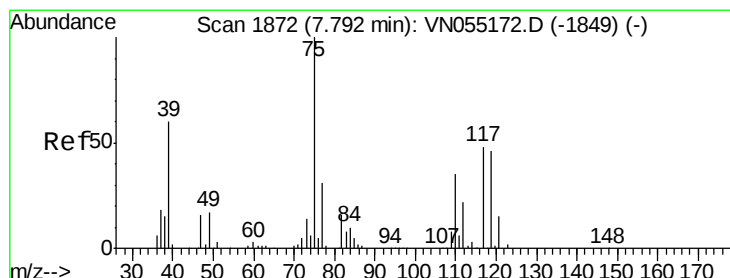
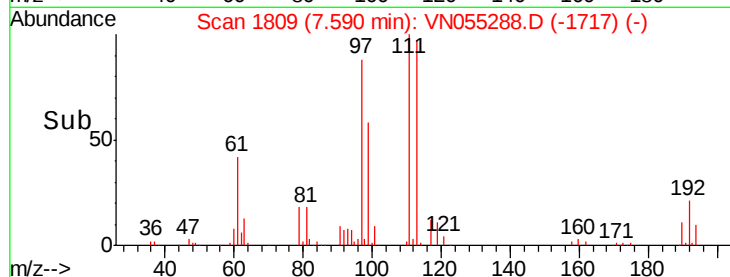
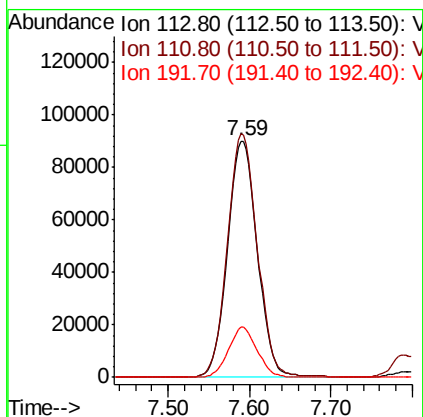
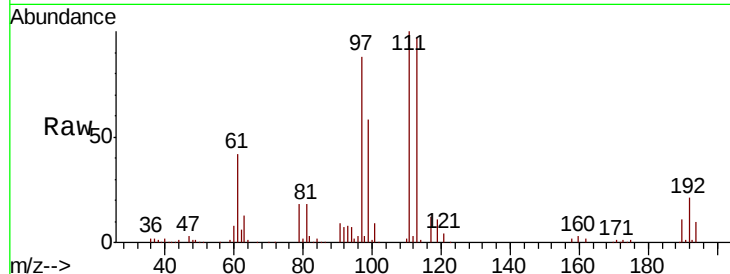




#35
 Dibromofluoromethane
 Concen: 49.065 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

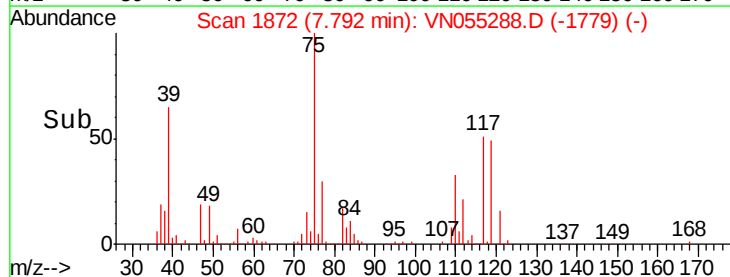
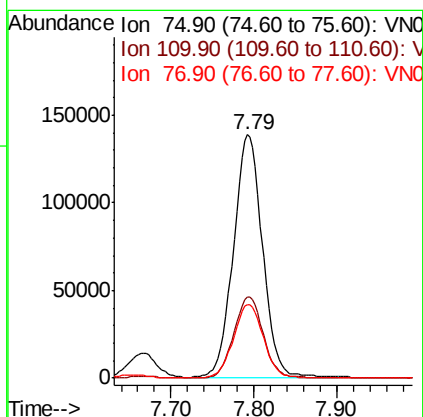
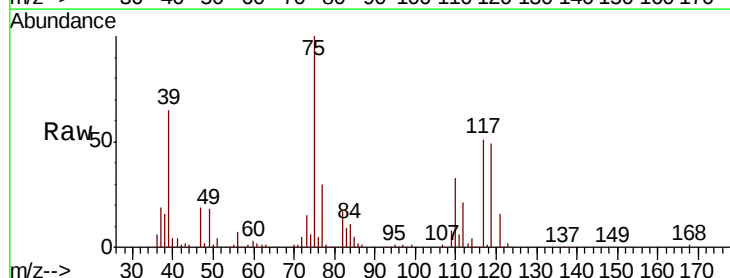
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

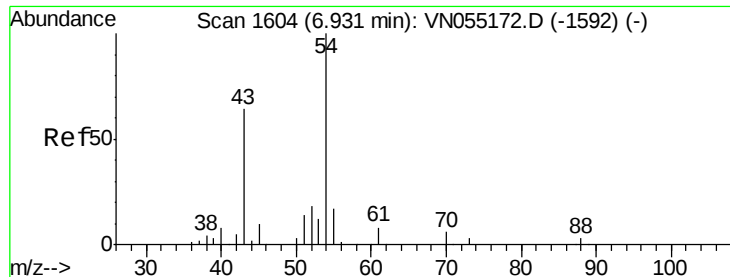
Tgt Ion: 113 Resp: 231102
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.3 123.5
 192 20.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 49.132 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 75 Resp: 337713
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.8 50.4
 77 31.5 25.0 37.6

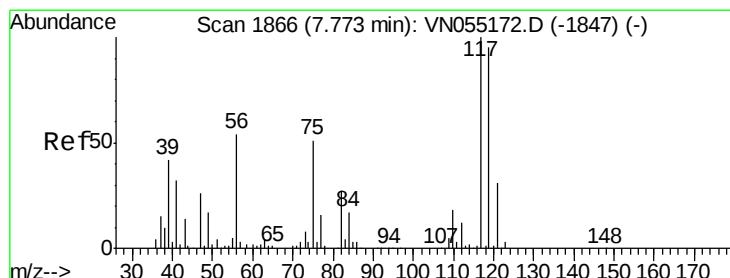
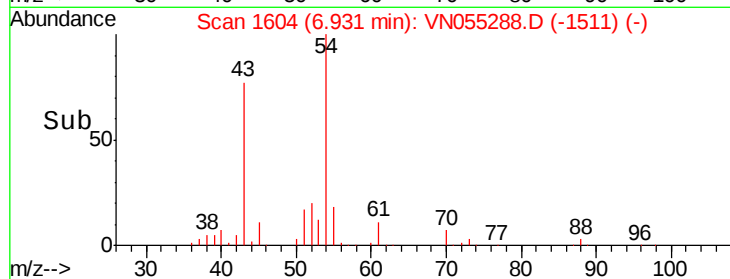
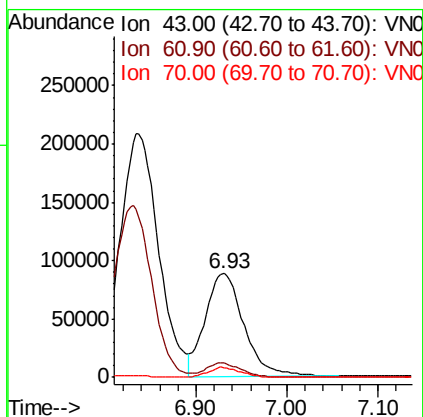
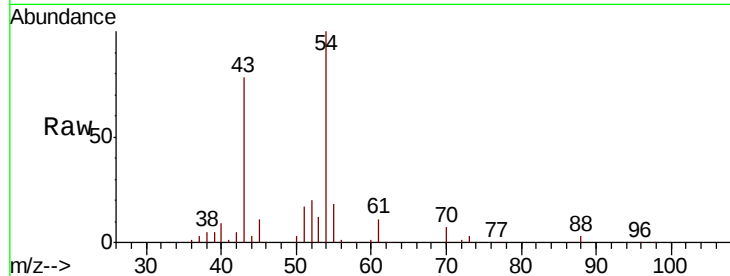




#37
 Ethyl Acetate
 Concen: 49.386 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

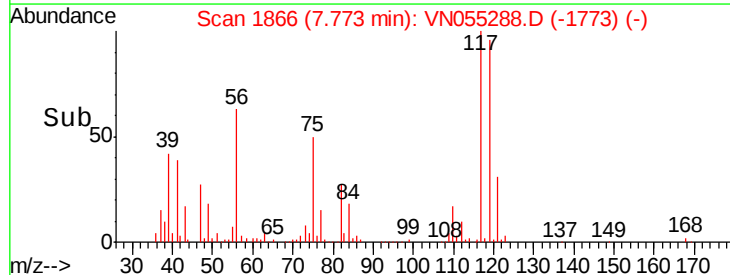
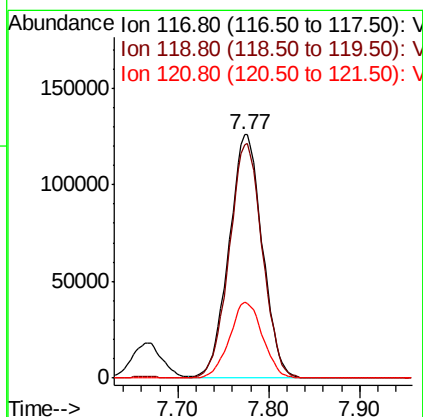
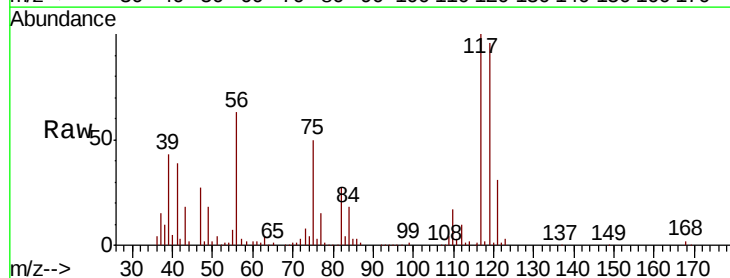
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

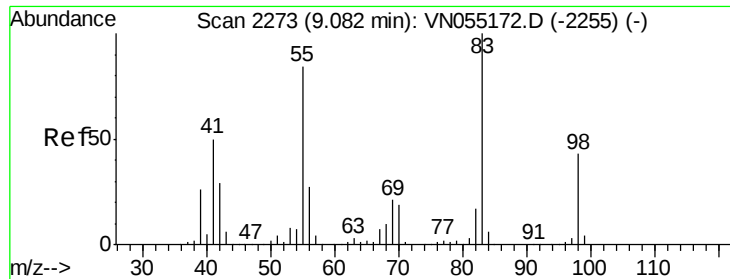
Tgt Ion: 43 Resp: 260164
 Ion Ratio Lower Upper
 43 100
 61 12.4 10.4 15.6
 70 8.1 6.6 10.0



#38
 Carbon Tetrachloride
 Concen: 48.428 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 117 Resp: 321104
 Ion Ratio Lower Upper
 117 100
 119 96.1 77.0 115.6
 121 31.0 23.8 35.8

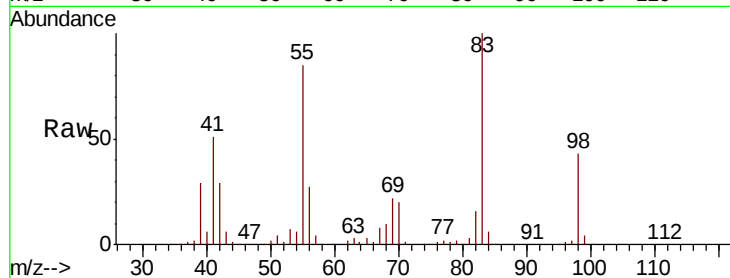




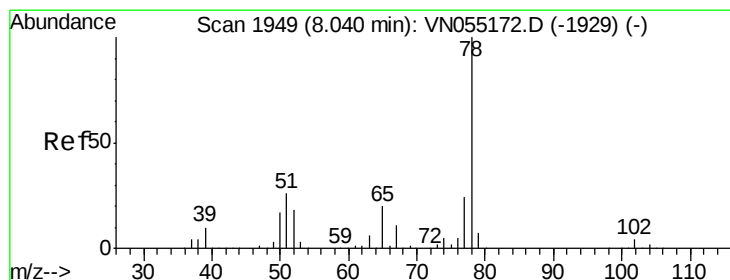
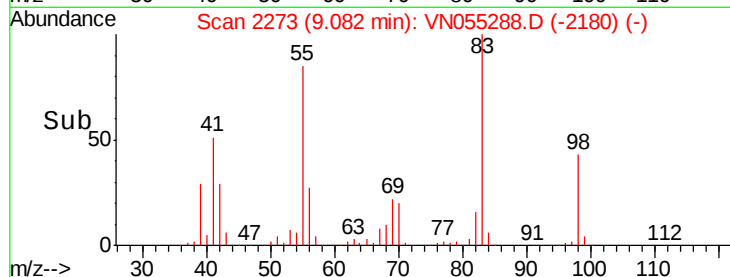
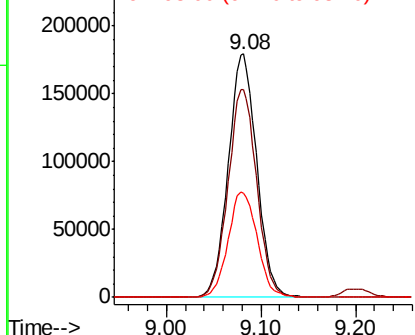
#39
Methylcyclohexane
Concen: 51.390 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

Tgt Ion: 83 Resp: 375559
Ion Ratio Lower Upper
83 100
55 85.5 67.8 101.6
98 42.9 36.2 54.4

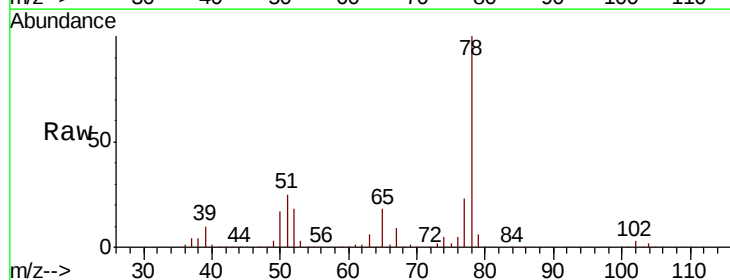


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

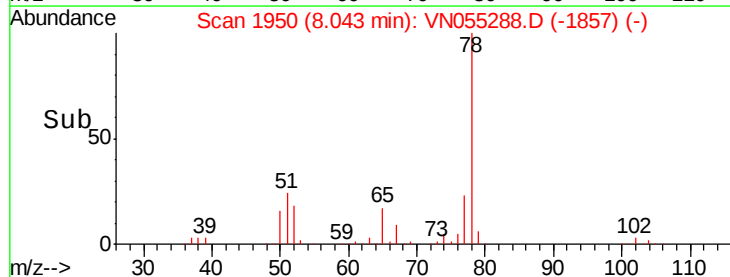
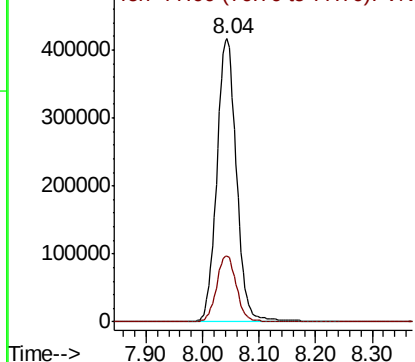


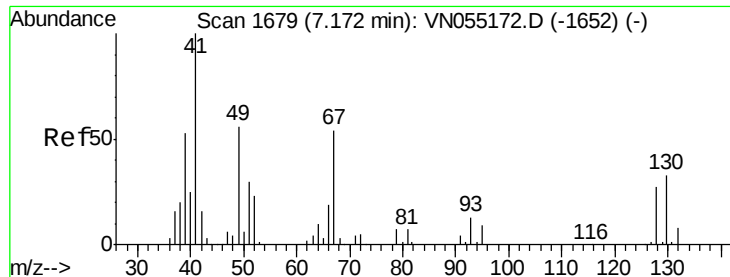
#40
Benzene
Concen: 49.642 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 78 Resp: 1005889
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

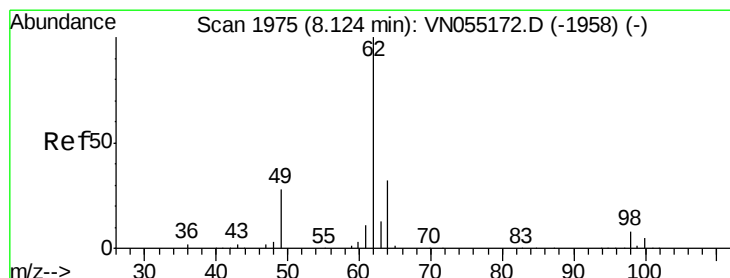
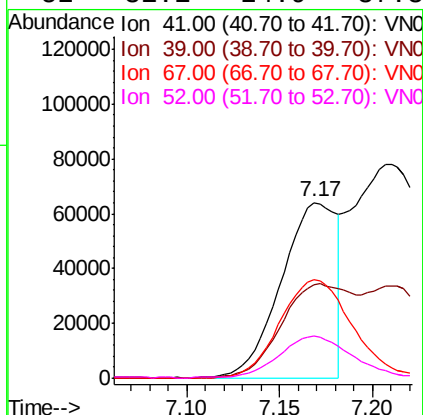
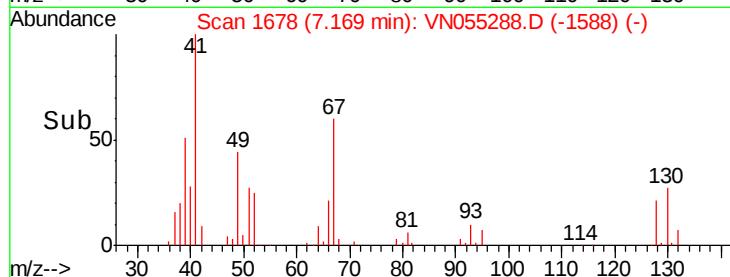
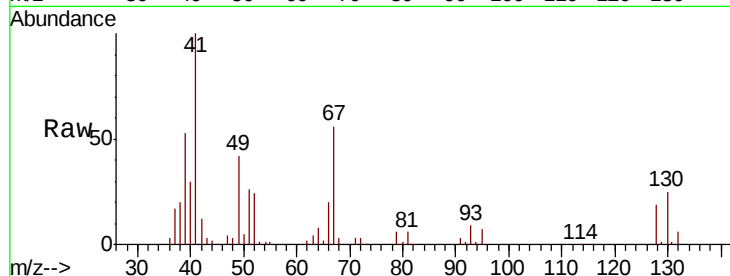




#41
Methacrylonitrile
Concen: 46.439 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

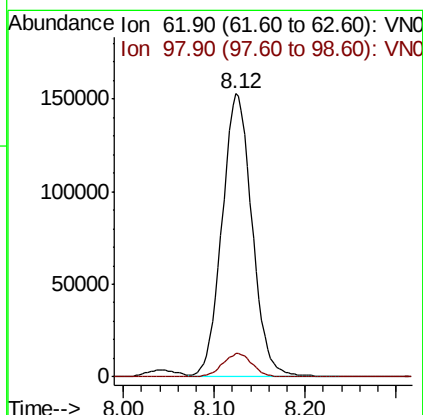
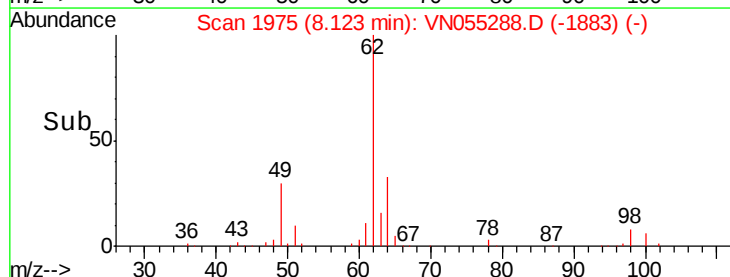
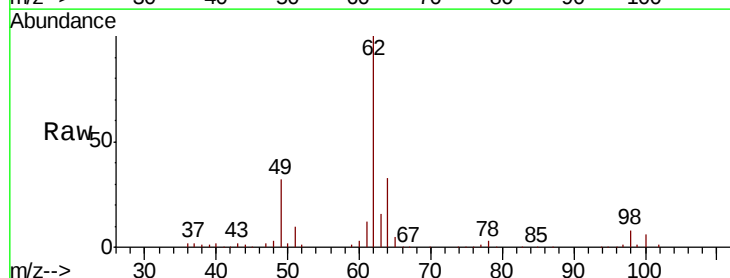
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

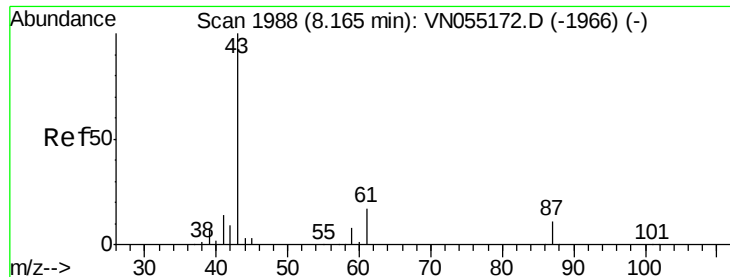
Tgt Ion:	41	Resp:	132251
Ion	Ratio	Lower	Upper
41	100		
39	67.5	48.5	72.7
67	74.7	54.9	82.3
52	31.1	24.9	37.3



#42
1,2-Dichloroethane
Concen: 48.633 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion:	62	Resp:	349021
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 52.130 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

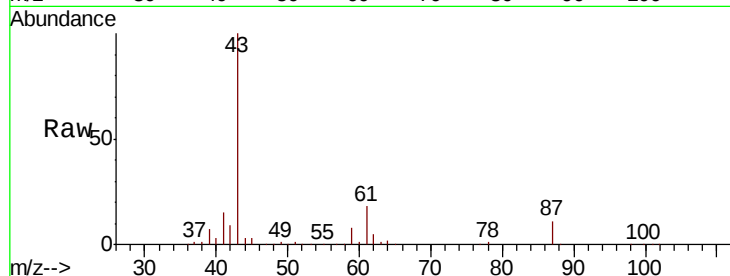
Tgt Ion: 43 Resp: 441330

Ion Ratio Lower Upper

43 100

61 17.7 20.8 31.2#

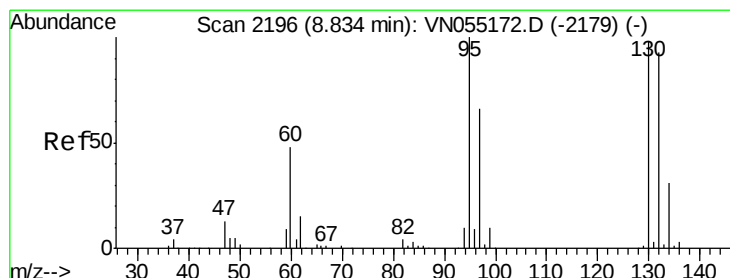
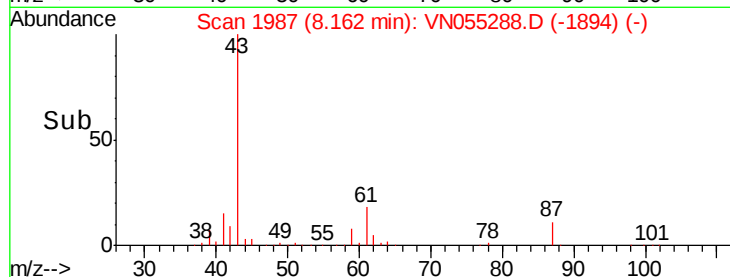
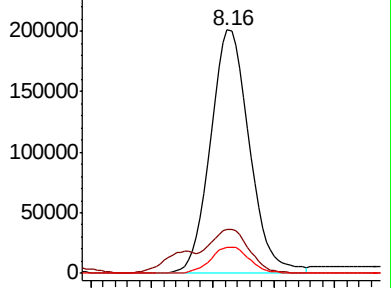
87 10.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)



#44

Trichloroethene

Concen: 48.879 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055288.D

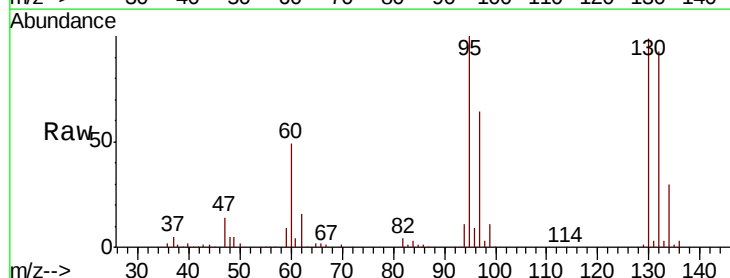
Acq: 29 Apr 2019 12:23

Tgt Ion: 130 Resp: 252490

Ion Ratio Lower Upper

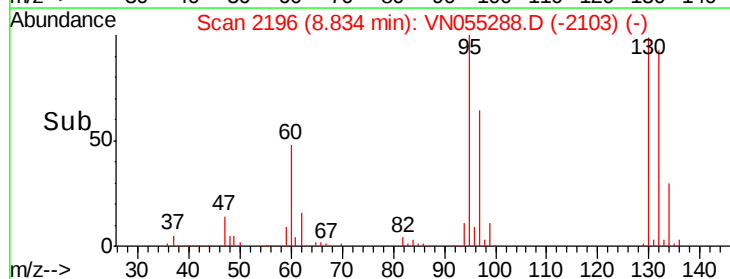
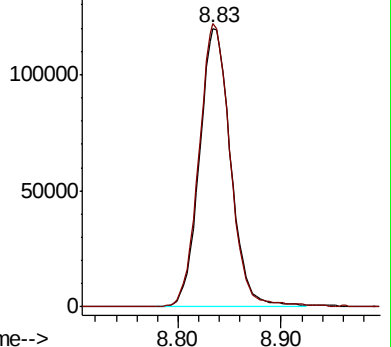
130 100

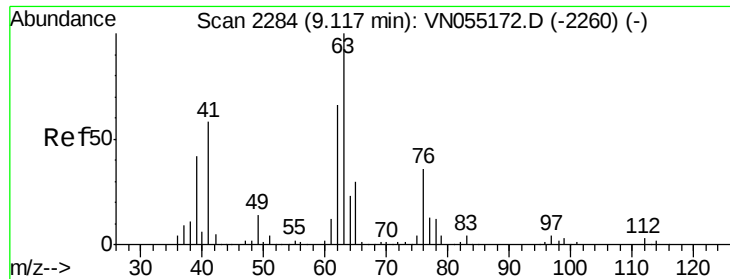
95 101.5 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)

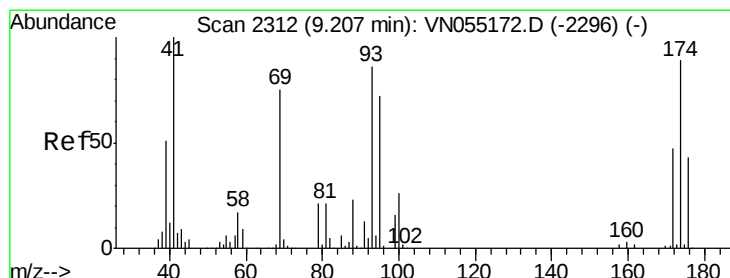
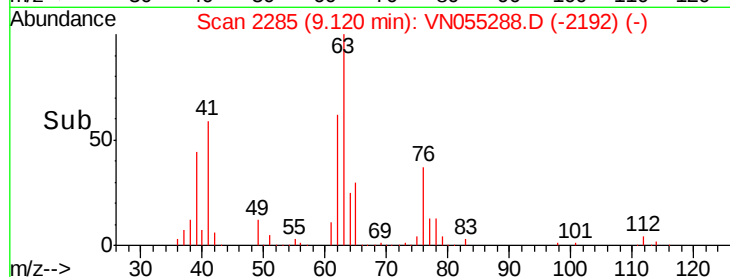
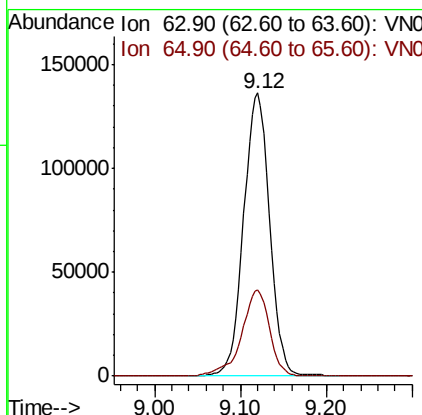
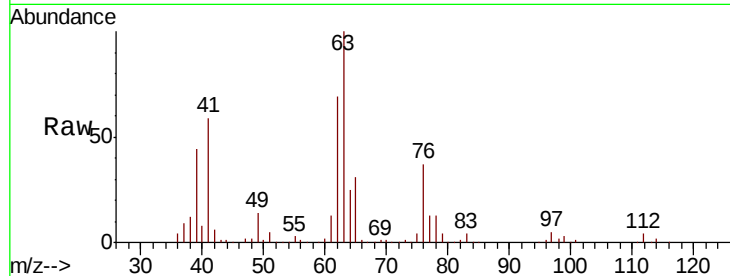




#45
 1,2-Dichloropropane
 Concen: 49.140 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

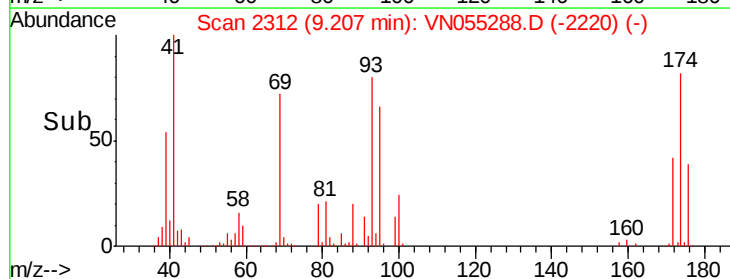
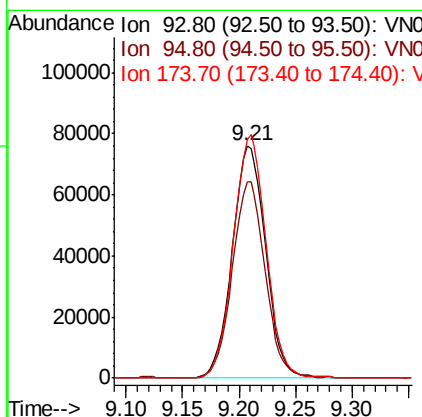
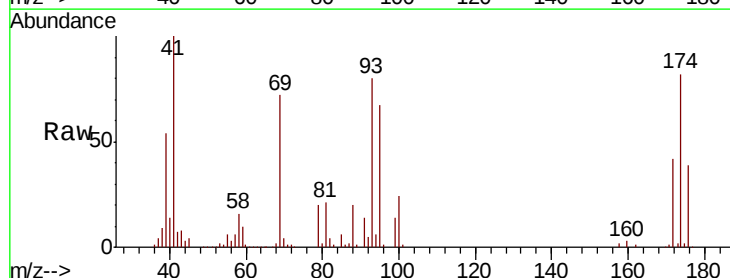
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

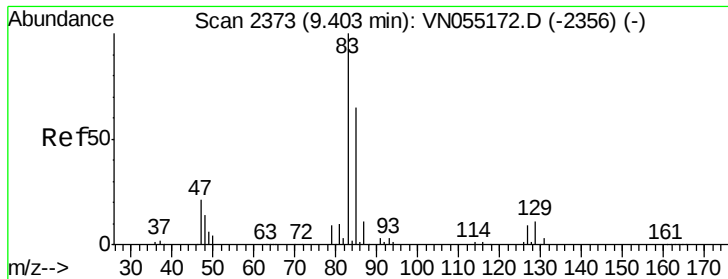
Tgt Ion: 63 Resp: 287179
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9



#46
 Dibromomethane
 Concen: 48.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 93 Resp: 156258
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 102.9 81.5 122.3





#47

Bromodichloromethane

Concen: 49.926 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

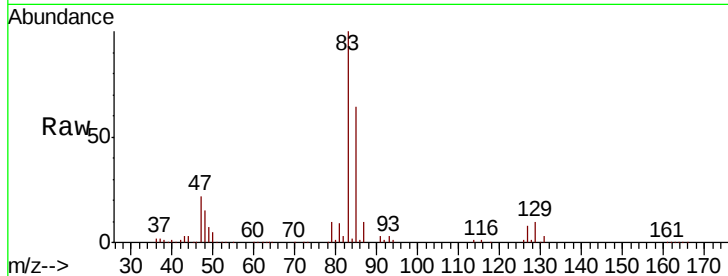
Tgt Ion: 83 Resp: 342140

Ion Ratio Lower Upper

83 100

85 63.6 50.1 75.1

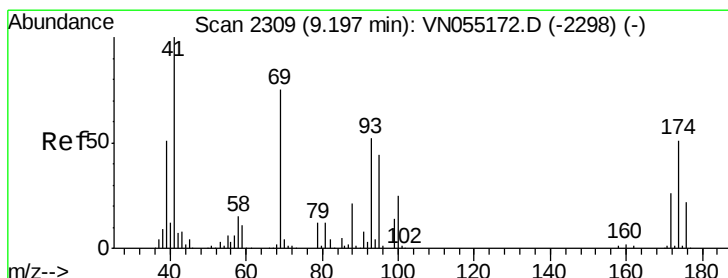
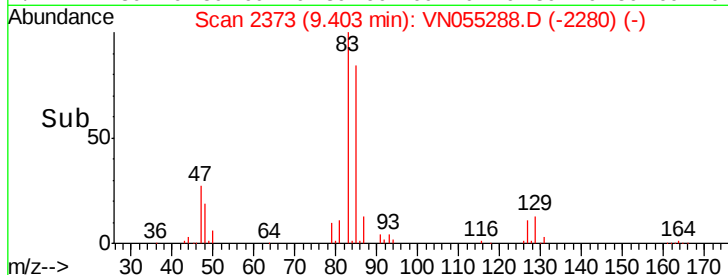
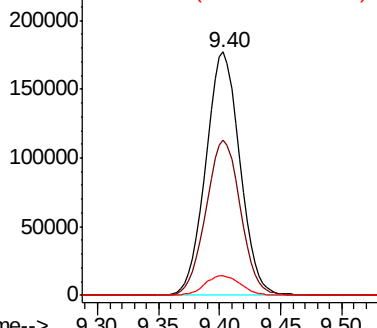
127 8.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.883 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

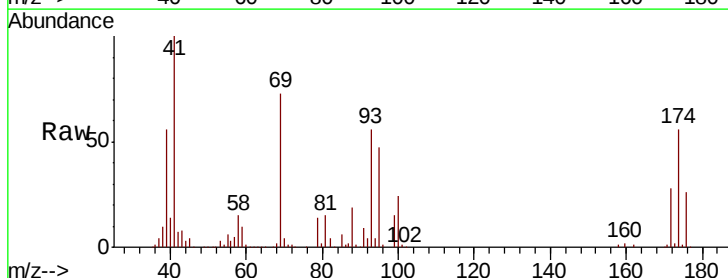
Tgt Ion: 41 Resp: 211769

Ion Ratio Lower Upper

41 100

69 76.3 58.6 87.8

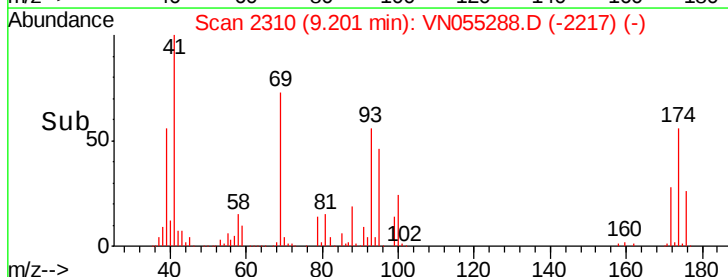
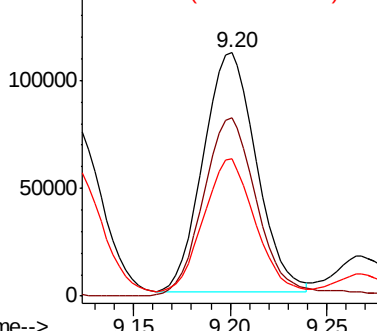
39 56.6 43.8 65.6

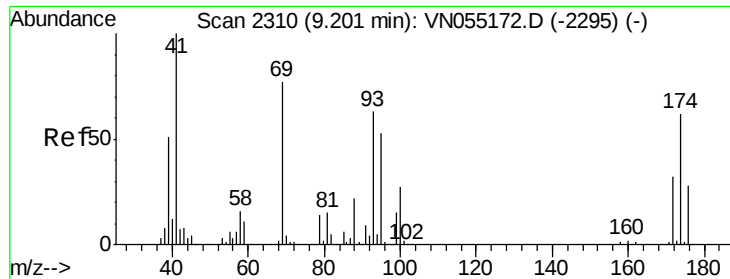


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1063.595 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

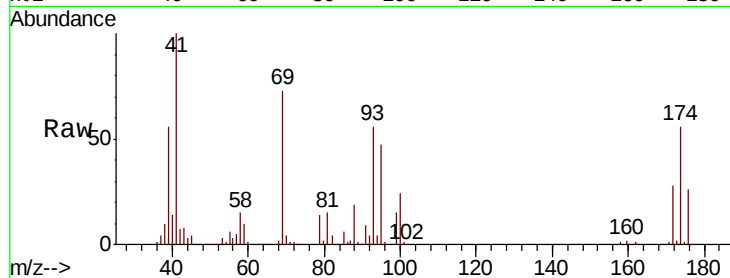
Tgt Ion: 88 Resp: 45759

Ion Ratio Lower Upper

88 100

43 37.8 33.3 49.9

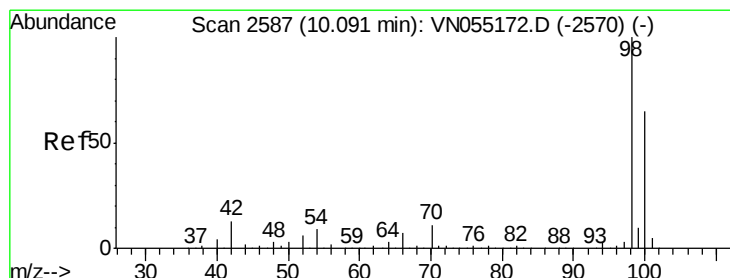
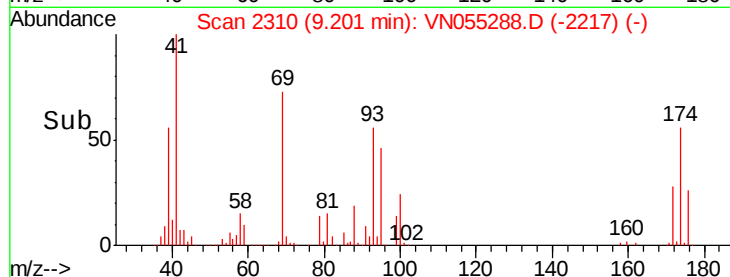
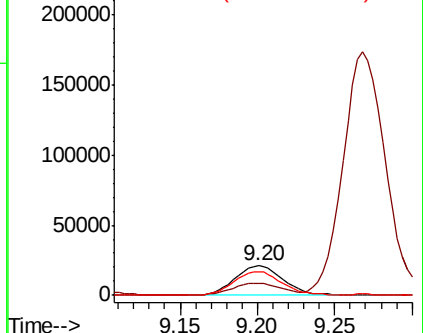
58 79.1 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055288.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055288.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055288.D (-2217) (-)



#50

Toluene-d8

Concen: 50.378 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055288.D

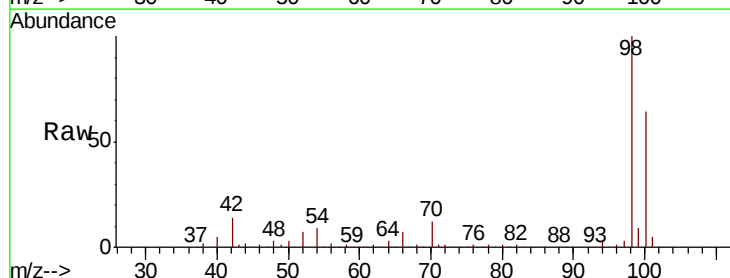
Acq: 29 Apr 2019 12:23

Tgt Ion: 98 Resp: 856808

Ion Ratio Lower Upper

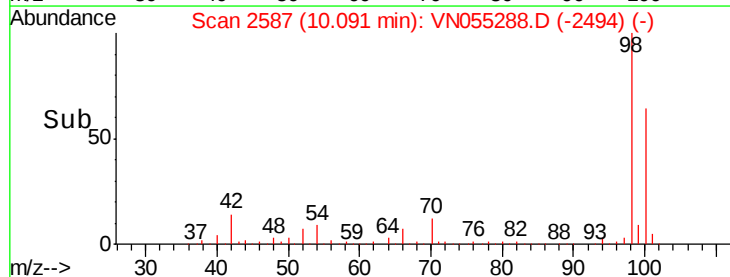
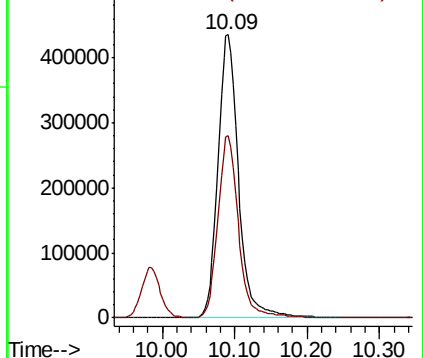
98 100

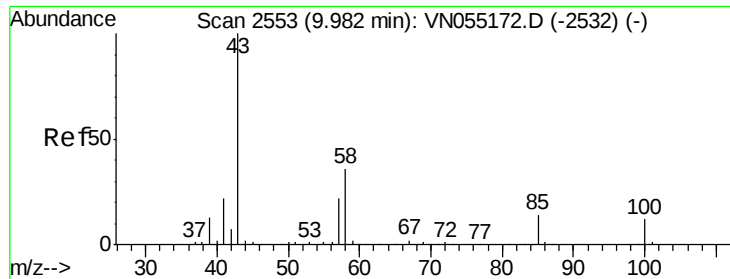
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055288.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055288.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 258.237 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

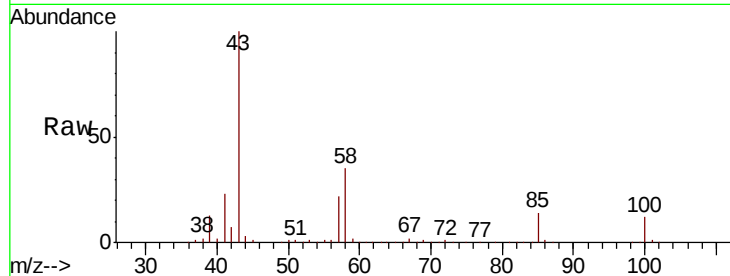
ICVVN042919

Tgt Ion: 43 Resp: 1230884

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

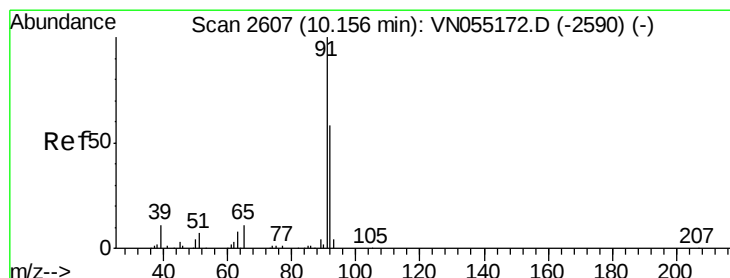
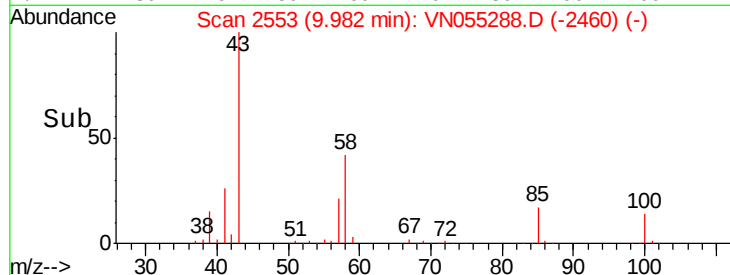
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.199 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055288.D

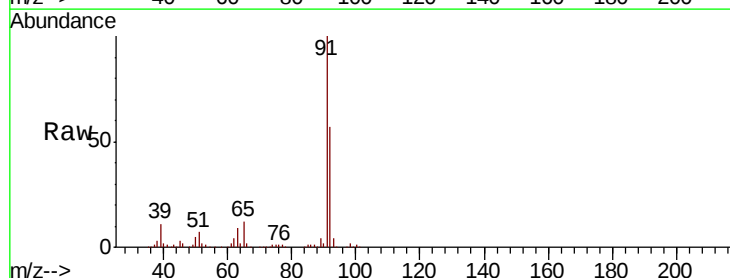
Acq: 29 Apr 2019 12:23

Tgt Ion: 92 Resp: 595248

Ion Ratio Lower Upper

92 100

91 174.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

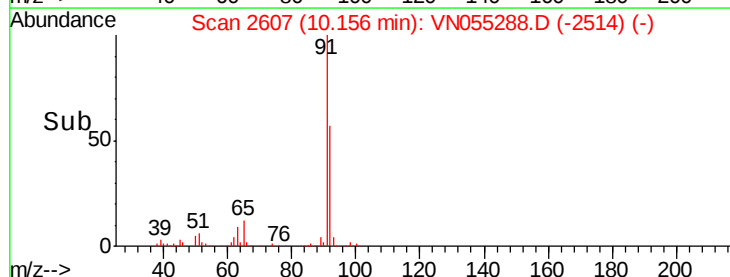
300000

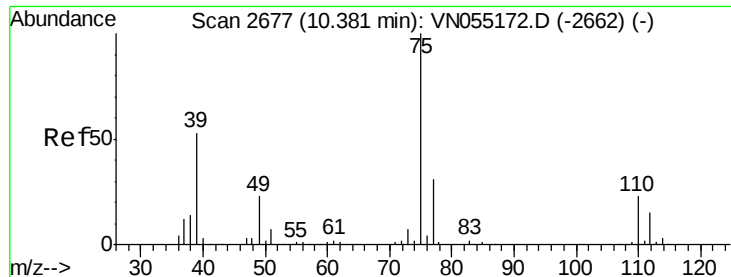
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.906 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

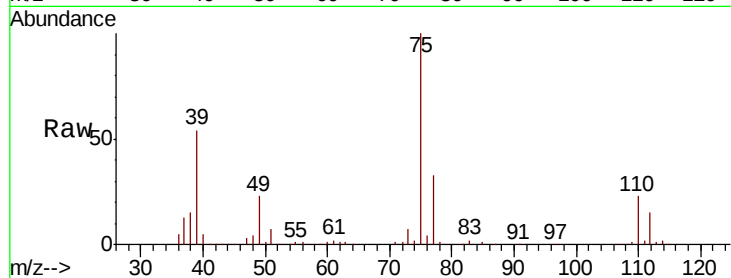
ICVVN042919

Tgt Ion: 75 Resp: 332592

Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

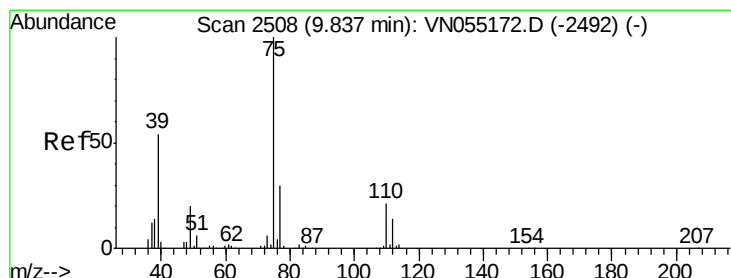
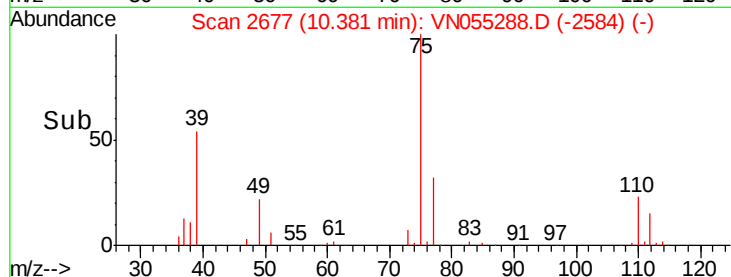
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.142 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

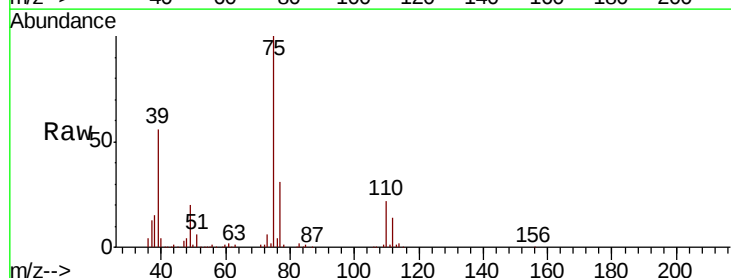
Tgt Ion: 75 Resp: 401593

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.2

39 56.2 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

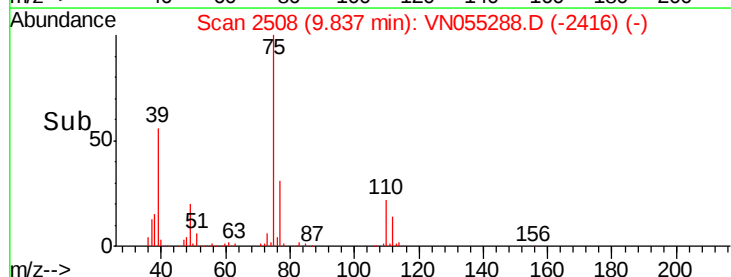
150000

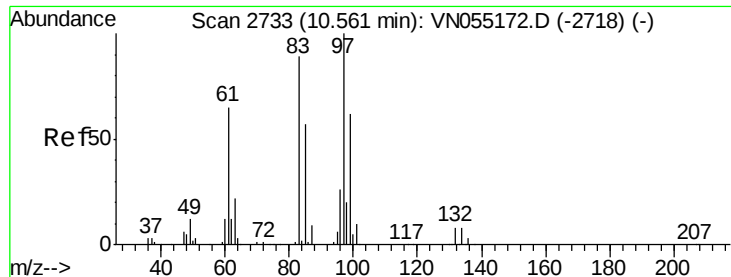
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.940 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

Tgt Ion: 97 Resp: 215603

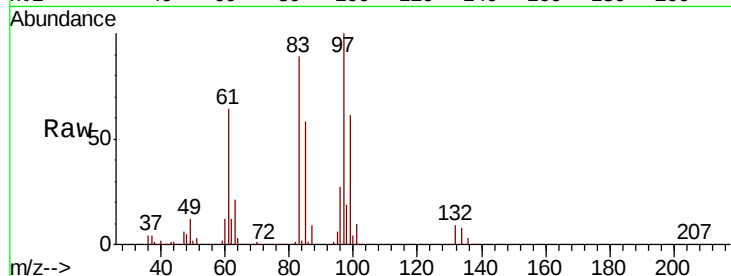
Ion Ratio Lower Upper

97 100

83 88.8 72.8 109.2

85 58.4 47.0 70.6

99 60.7 49.0 73.4

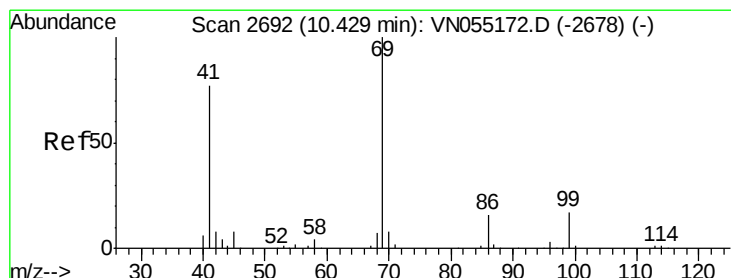
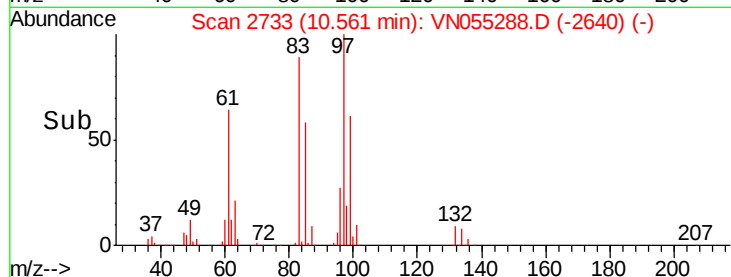
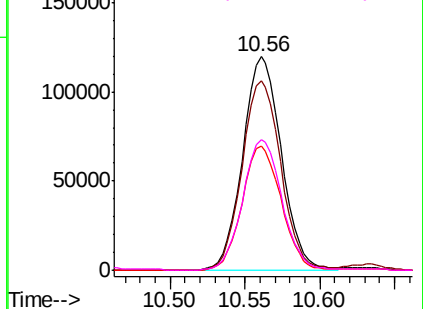


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.946 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

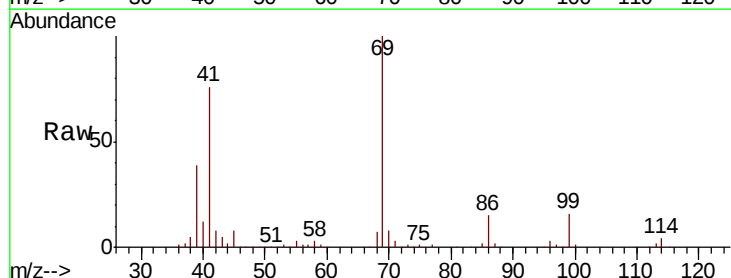
Tgt Ion: 69 Resp: 297291

Ion Ratio Lower Upper

69 100

41 76.4 62.7 94.1

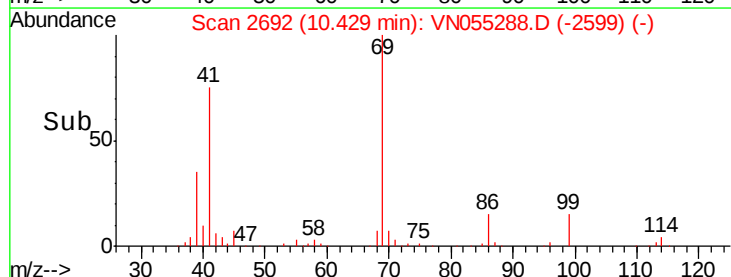
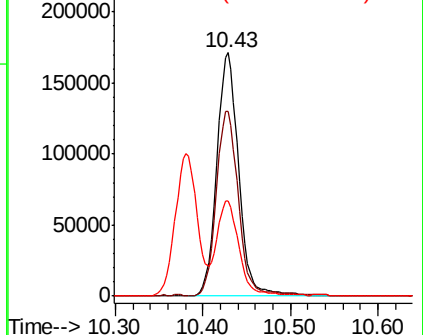
39 39.3 32.0 48.0

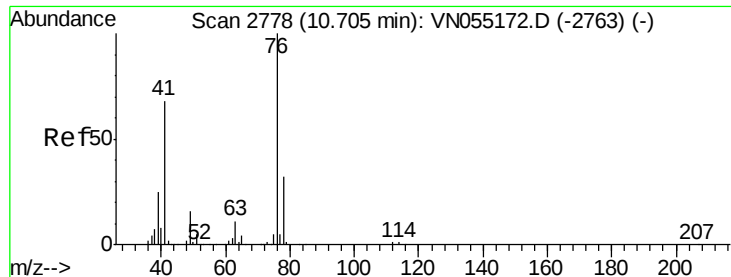


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.586 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

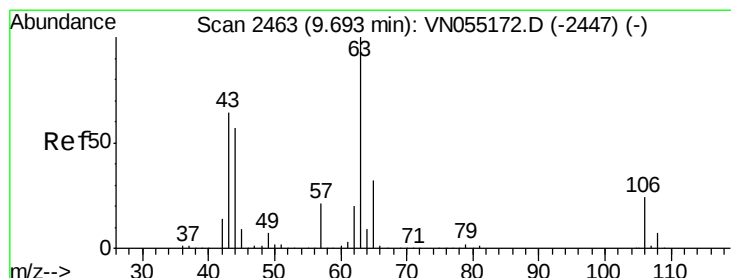
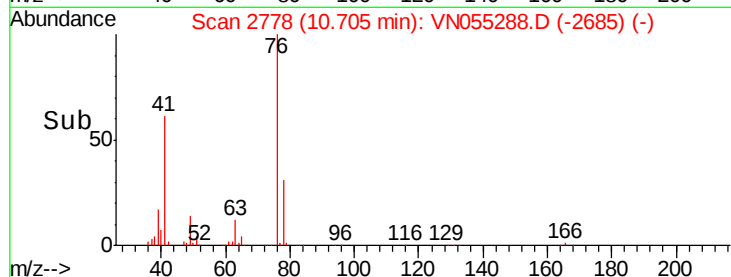
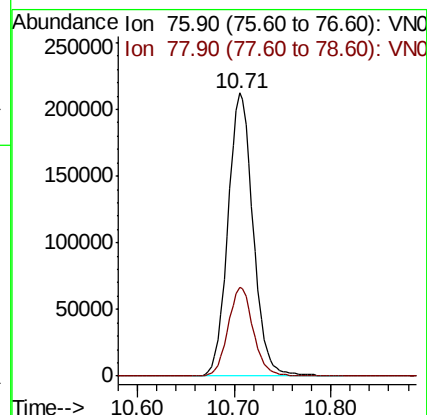
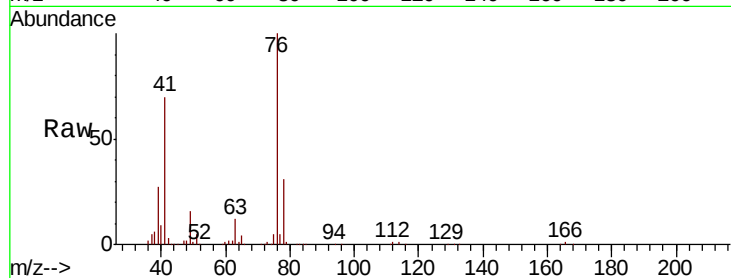
ICV042919

Tgt Ion: 76 Resp: 383121

Ion Ratio Lower Upper

76 100

78 31.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 248.418 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055288.D

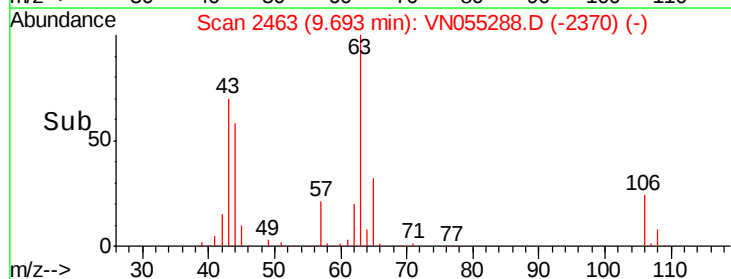
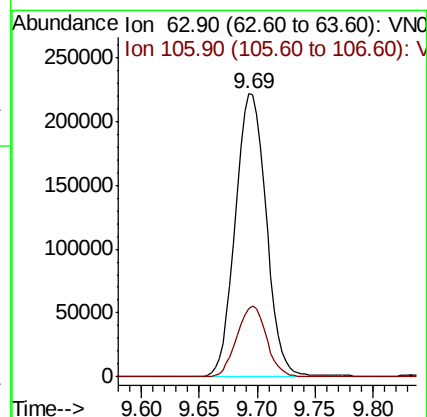
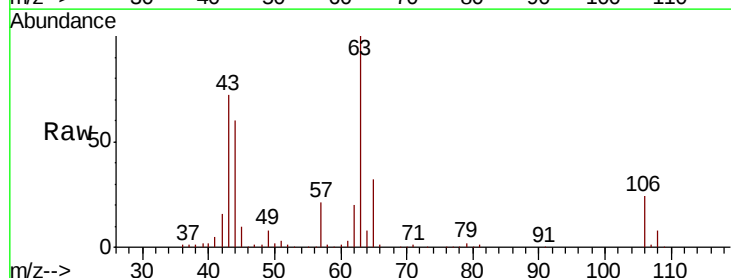
Acq: 29 Apr 2019 12:23

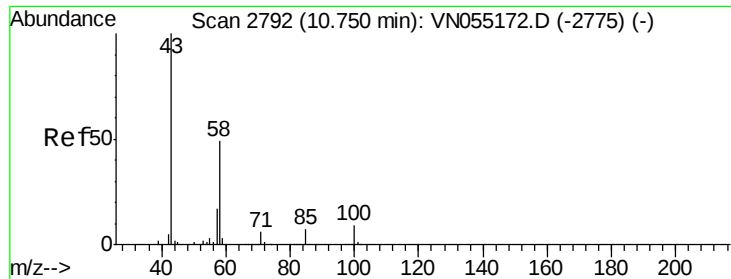
Tgt Ion: 63 Resp: 409544

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.4

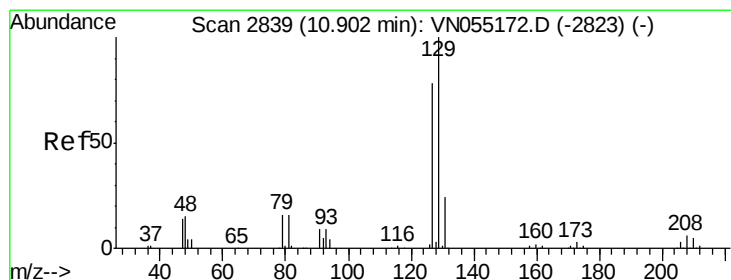
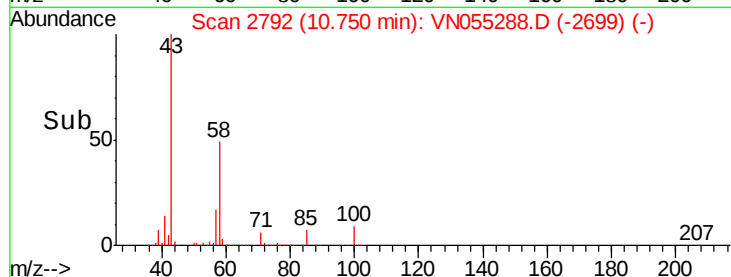
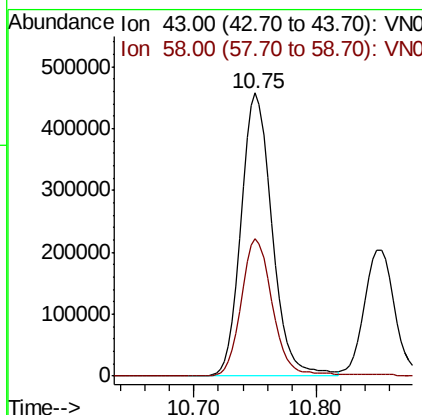
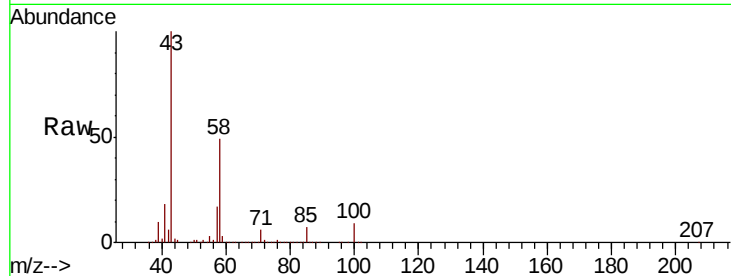




#59
2-Hexanone
Concen: 268.168 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

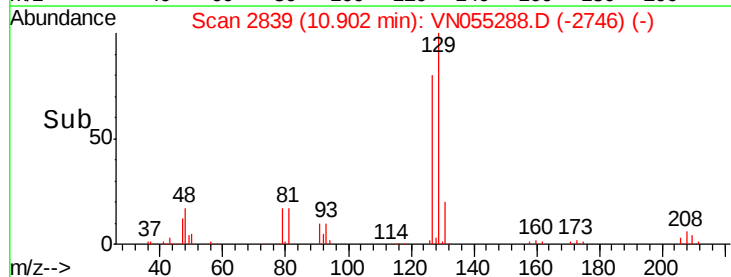
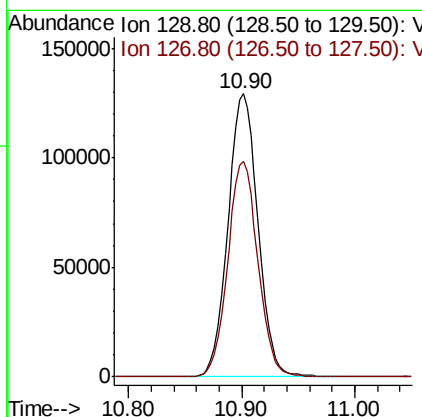
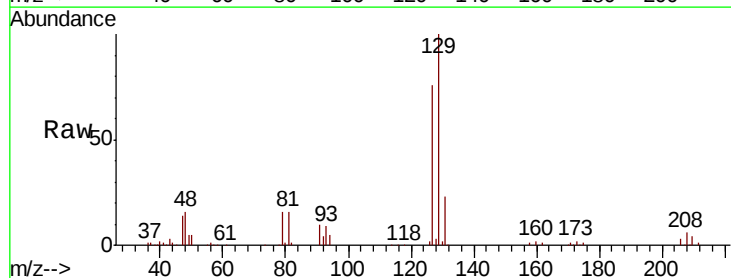
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

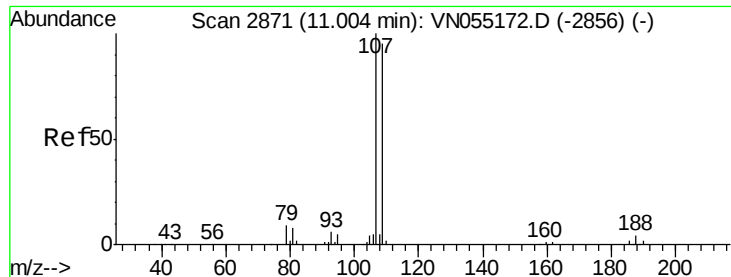
Tgt Ion: 43 Resp: 799763
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.6



#60
Dibromochloromethane
Concen: 53.979 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 129 Resp: 238179
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5

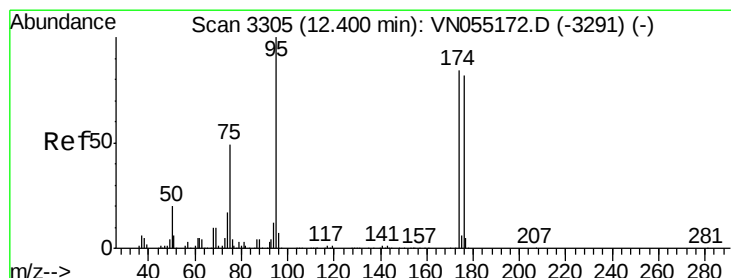
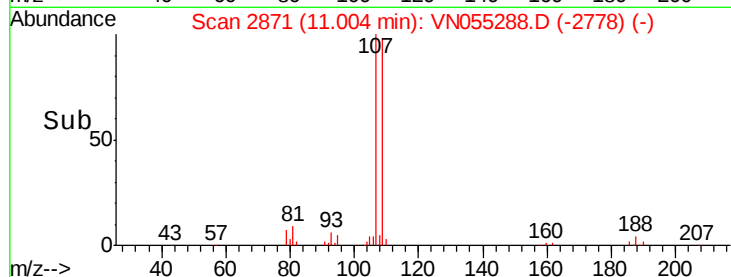
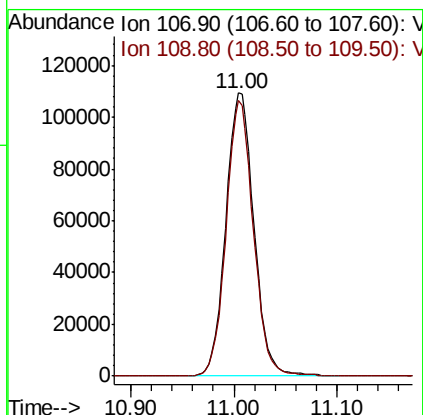
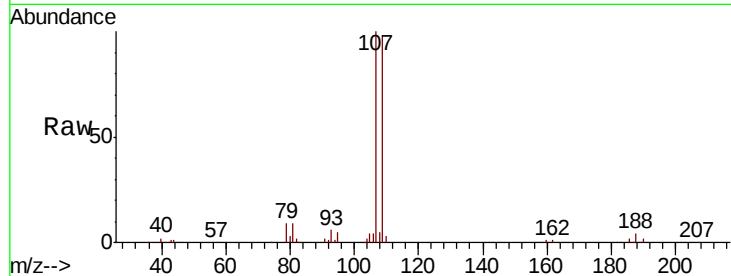




#61
 1,2-Dibromoethane
 Concen: 52.050 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

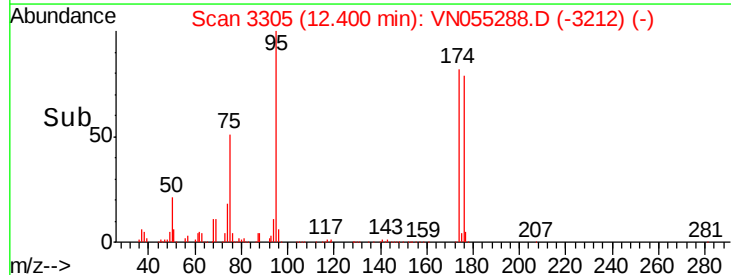
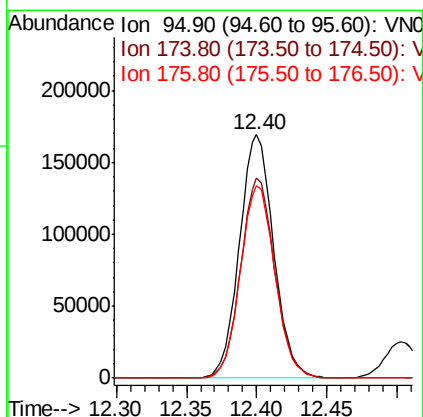
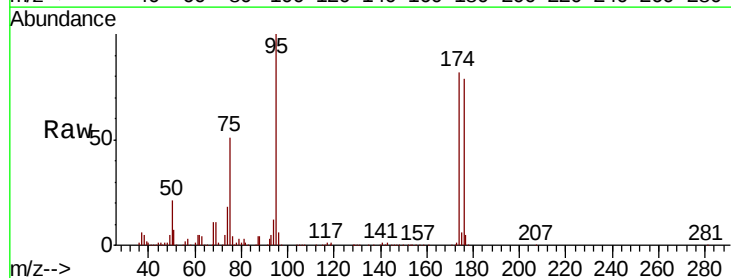
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

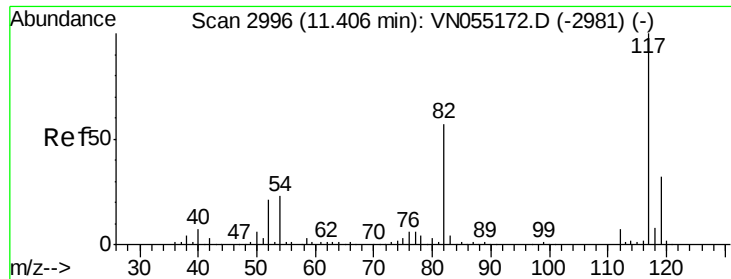
Tgt Ion: 107 Resp: 207703
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.090 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion: 95 Resp: 287518
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 166.6
 176 80.0 0.0 157.8

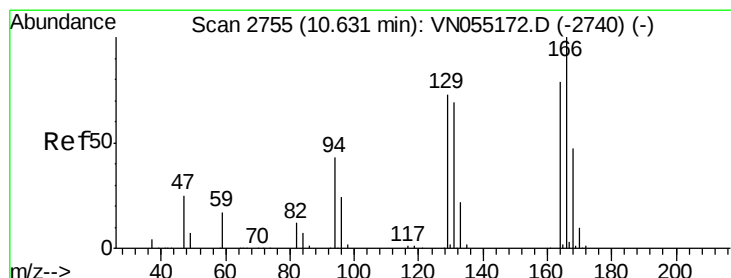
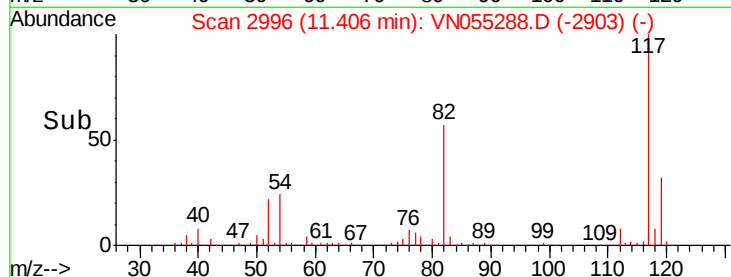
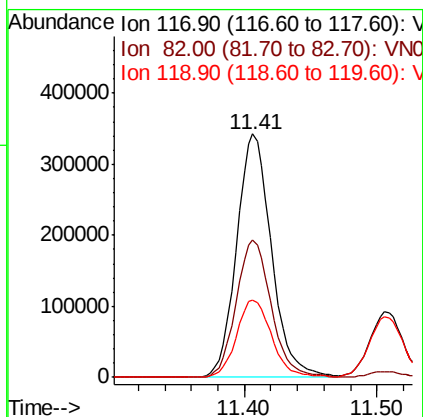
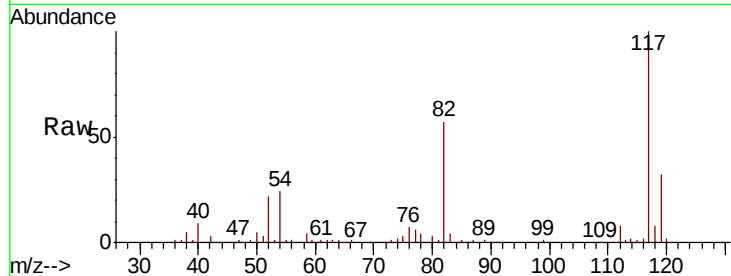




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

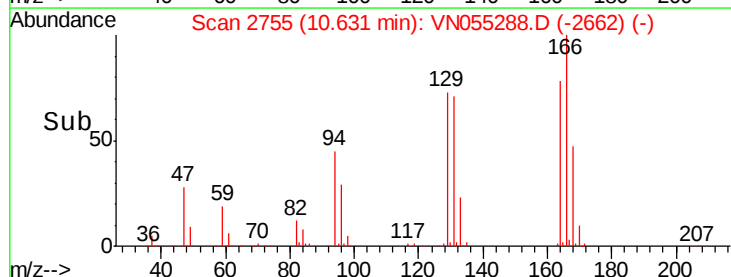
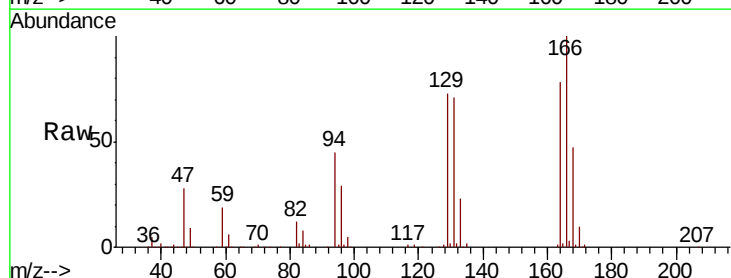
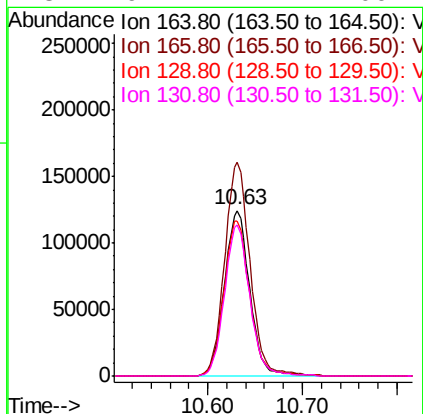
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

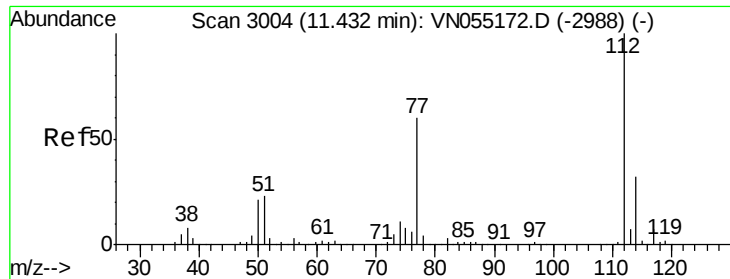
Tgt Ion:117 Resp: 626312
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.0 26.6 40.0



#64
Tetrachloroethene
Concen: 45.252 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion:164 Resp: 231774
Ion Ratio Lower Upper
164 100
166 129.0 102.3 153.5
129 93.9 75.0 112.6
131 91.4 72.7 109.1

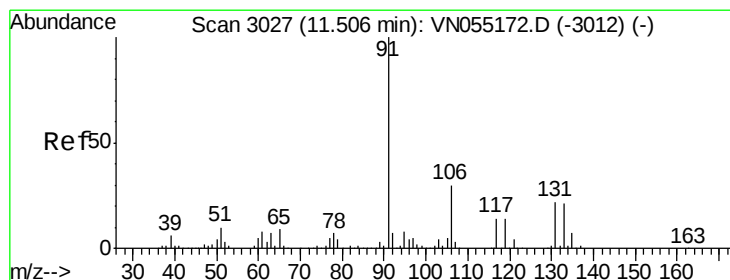
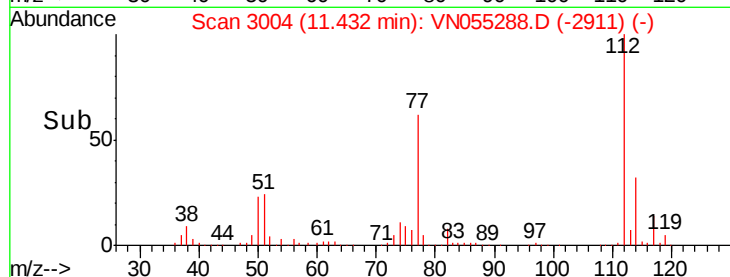
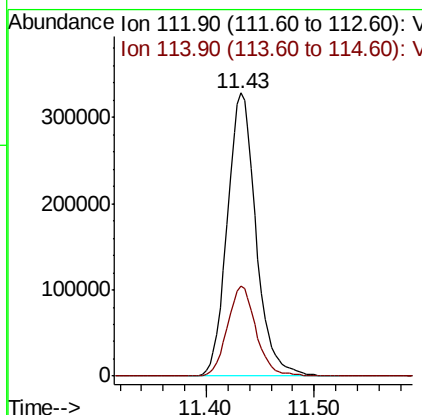
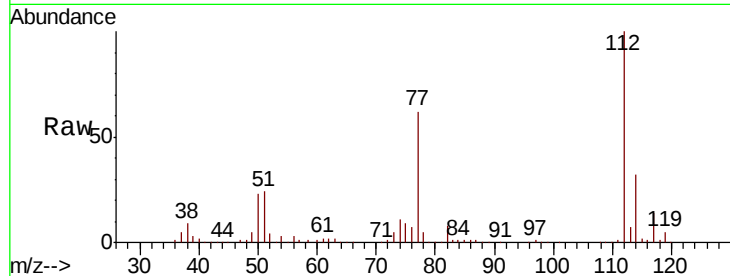




#65
Chlorobenzene
Concen: 49.667 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

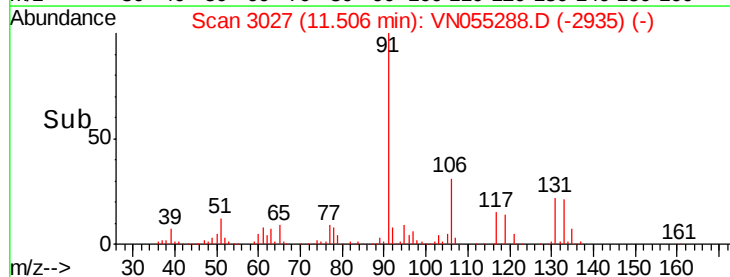
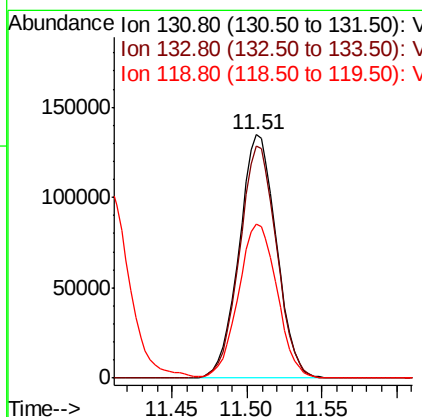
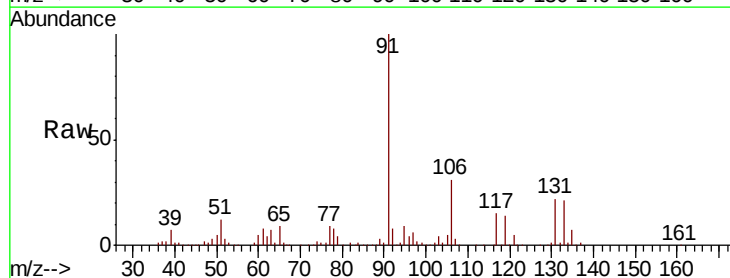
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

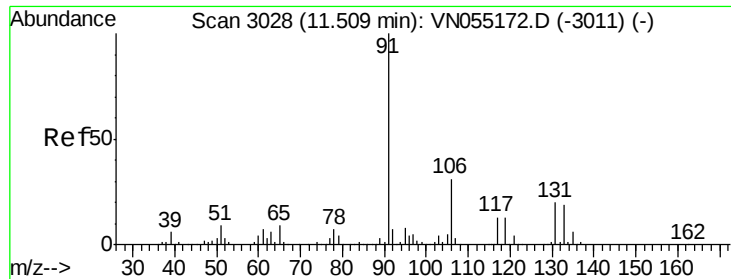
Tgt Ion:112 Resp: 608191
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.708 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion:131 Resp: 233548
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 65.6 32.7 98.1

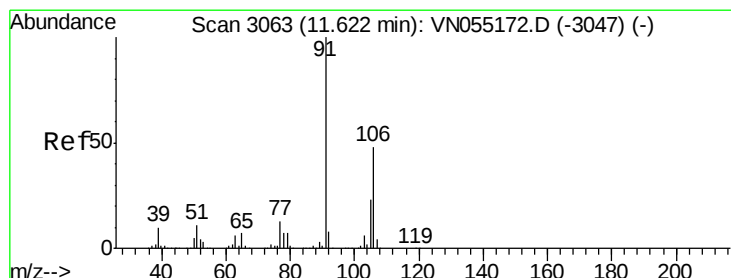
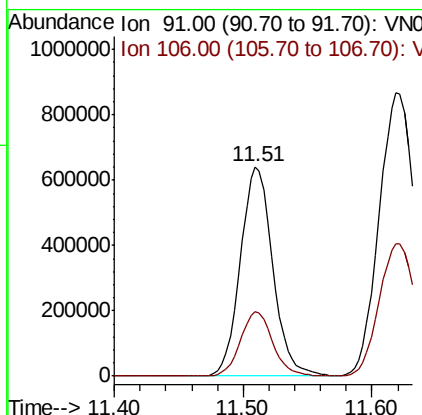
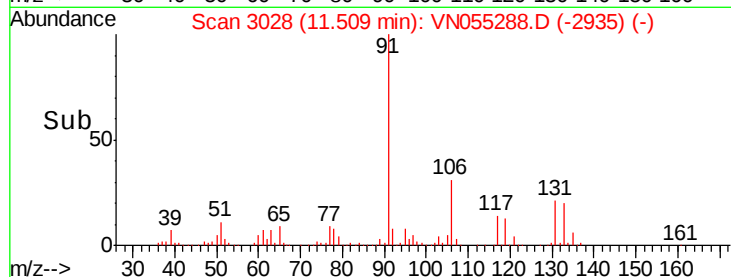
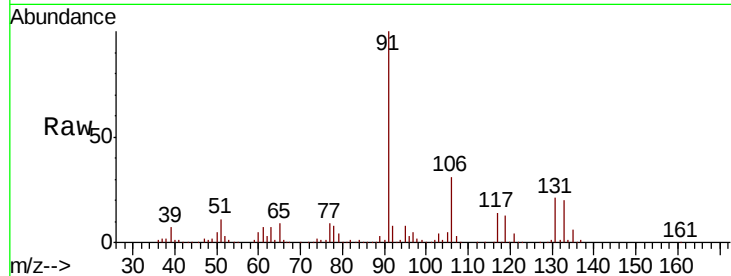




#67
Ethyl Benzene
Concen: 50.804 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

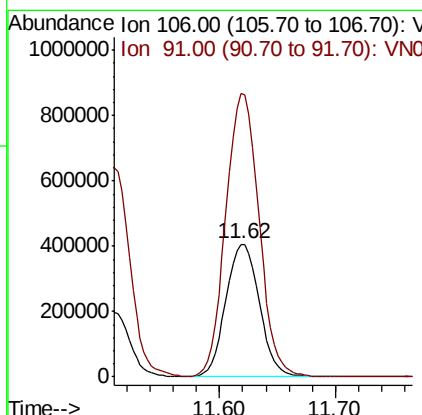
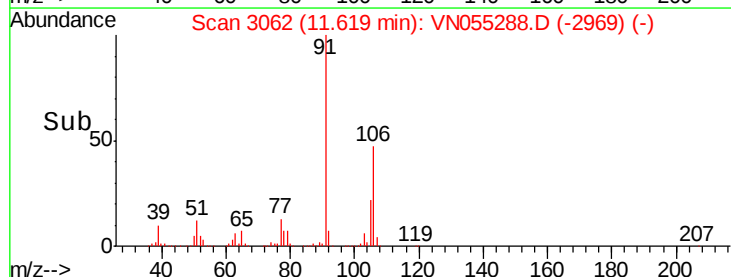
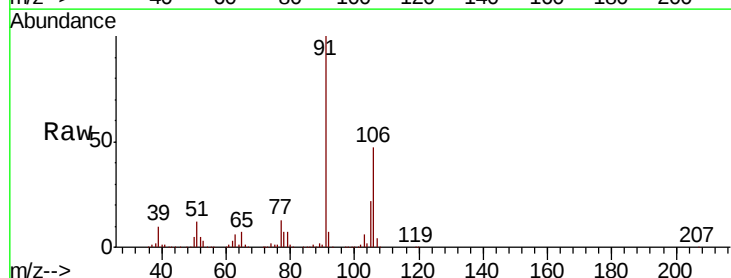
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

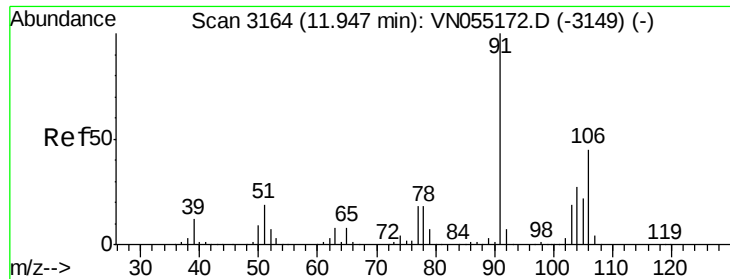
Tgt Ion: 91 Resp: 1123389
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 103.343 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion: 106 Resp: 815673
Ion Ratio Lower Upper
106 100
91 211.6 169.5 254.3

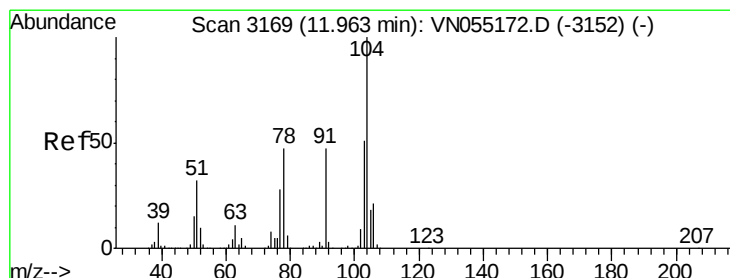
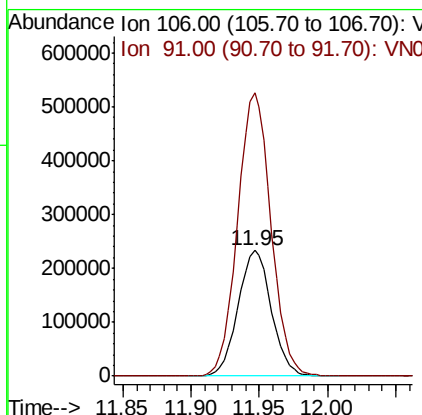
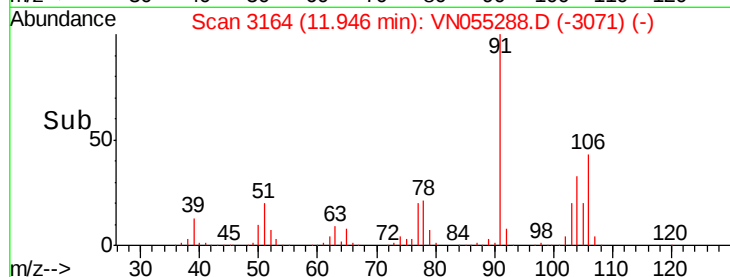
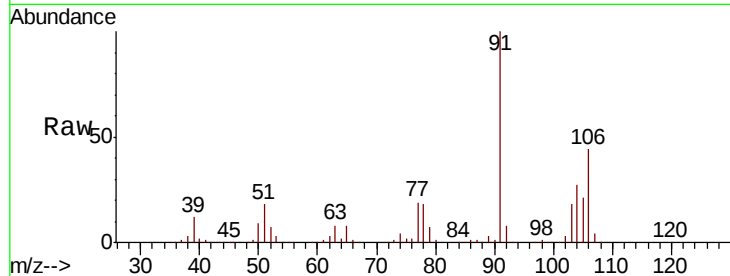




#69
o-Xylene
Concen: 50.609 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

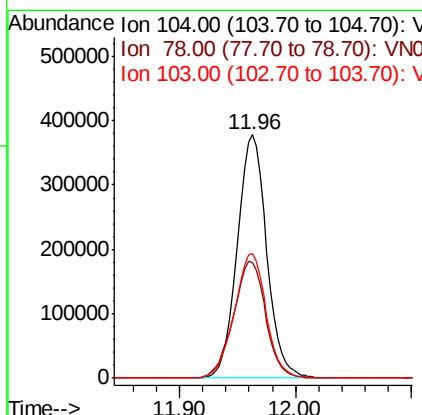
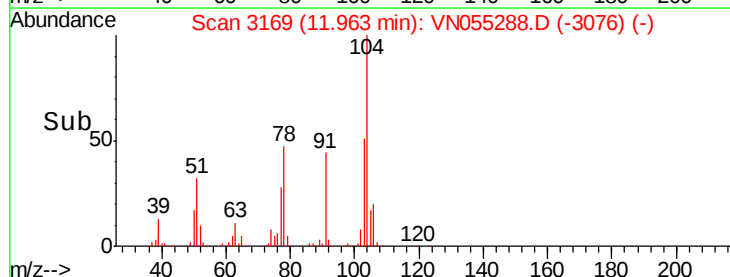
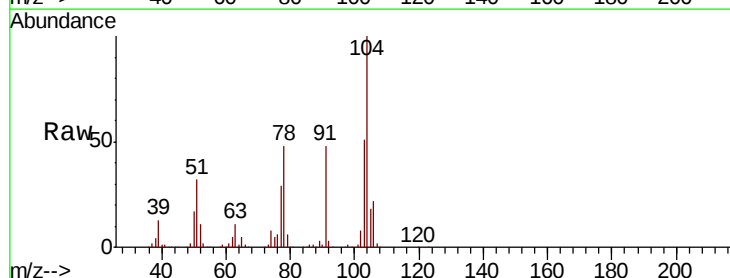
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042919

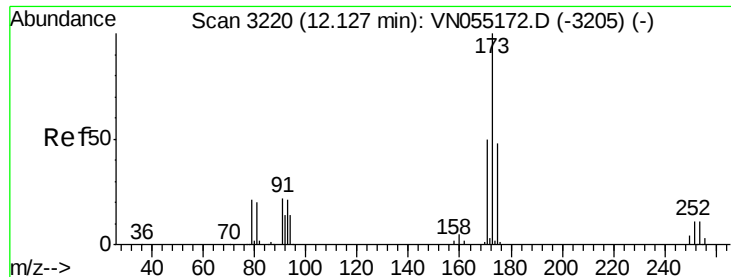
Tgt Ion:106 Resp: 395923
Ion Ratio Lower Upper
106 100
91 225.0 111.5 334.5



#70
Styrene
Concen: 55.151 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055288.D
Acq: 29 Apr 2019 12:23

Tgt Ion:104 Resp: 662456
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.2 44.6 67.0





#71

Bromoform

Concen: 54.489 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN042919

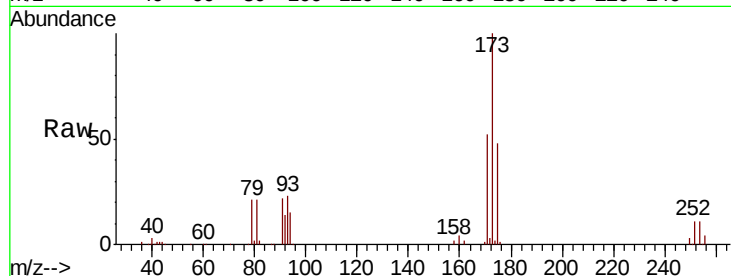
Tgt Ion:173 Resp: 144973

Ion Ratio Lower Upper

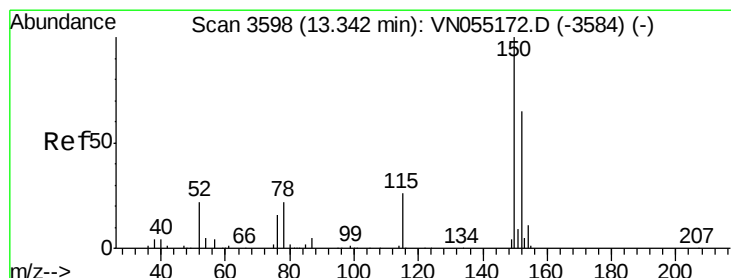
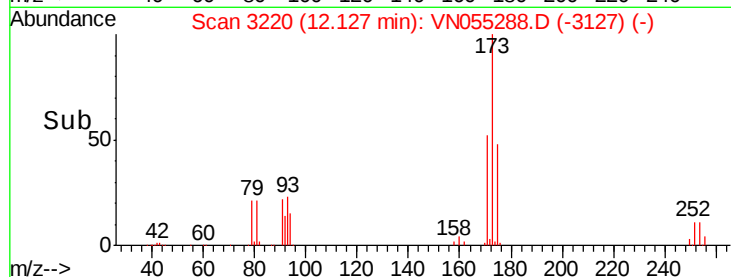
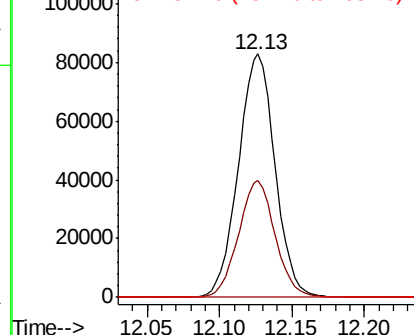
173 100

175 48.0 23.6 71.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

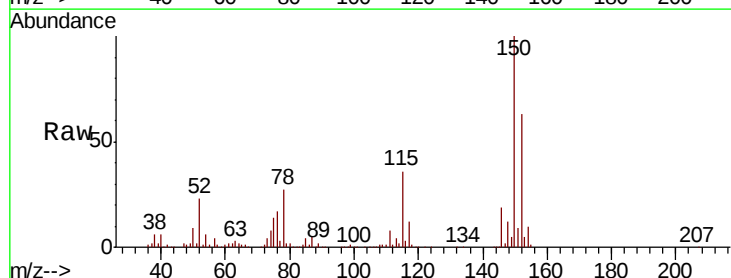
Tgt Ion:152 Resp: 260523

Ion Ratio Lower Upper

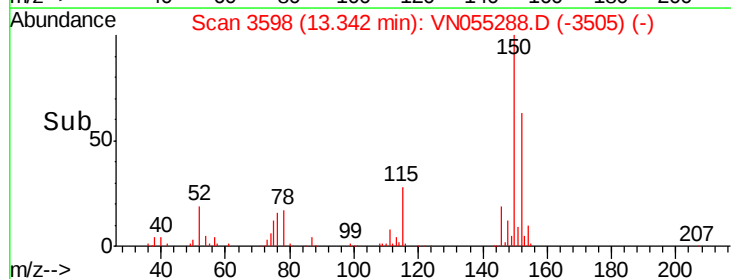
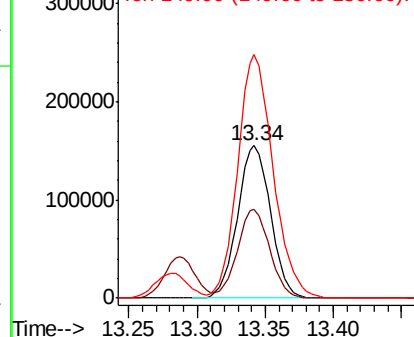
152 100

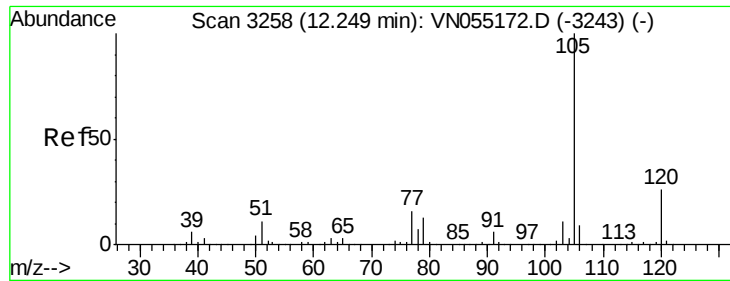
115 56.6 29.0 87.0

150 171.1 0.0 345.6



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





#73

Isopropylbenzene

Concen: 51.671 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

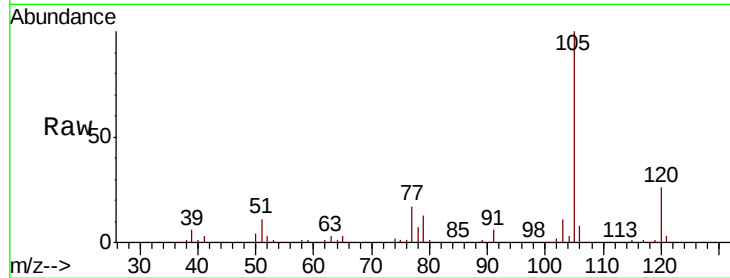
ICVVN042919

Tgt Ion:105 Resp: 1068940

Ion Ratio Lower Upper

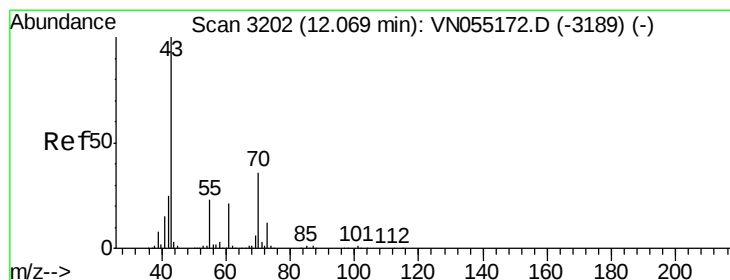
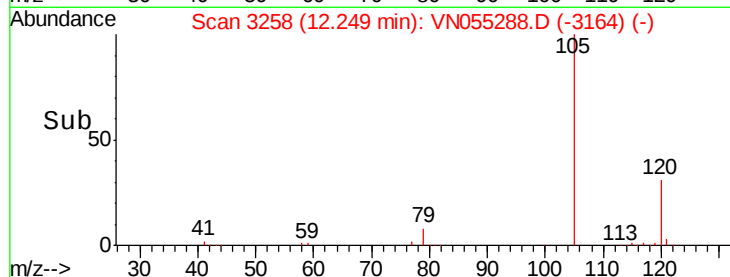
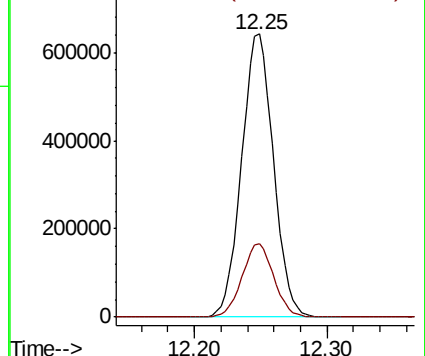
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.110 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Tgt Ion: 43 Resp: 341720

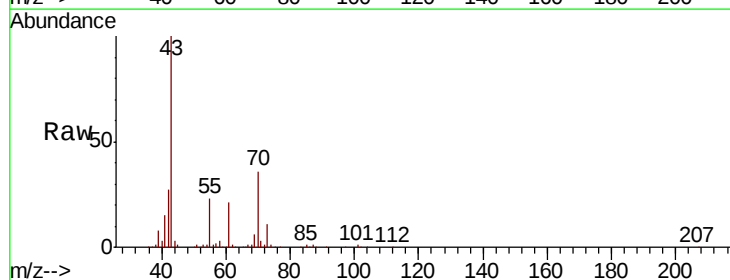
Ion Ratio Lower Upper

43 100

70 36.0 27.9 41.9

55 23.2 18.2 27.2

61 21.4 16.9 25.3

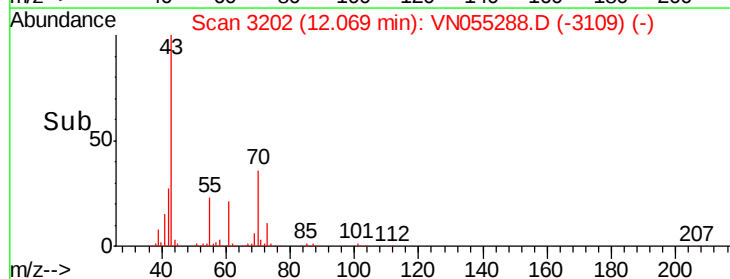
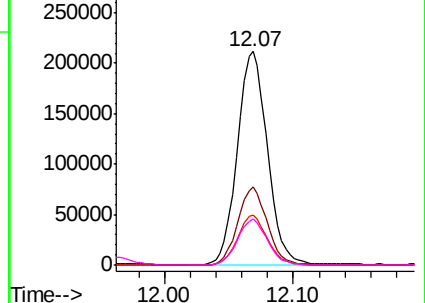


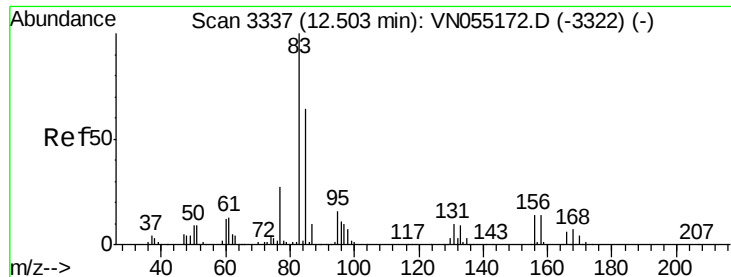
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.489 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

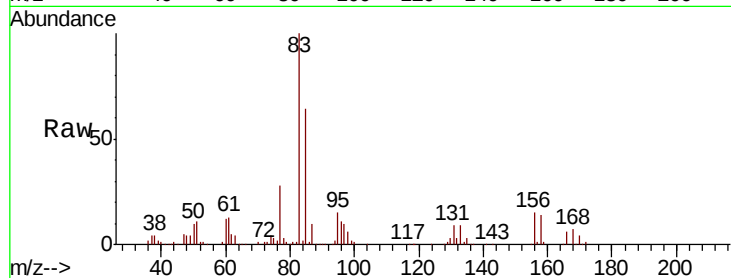
Tgt Ion: 83 Resp: 265289

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

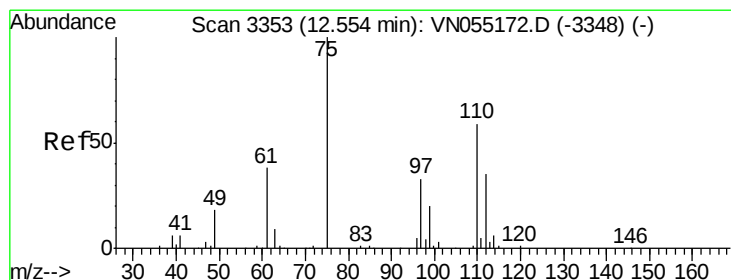
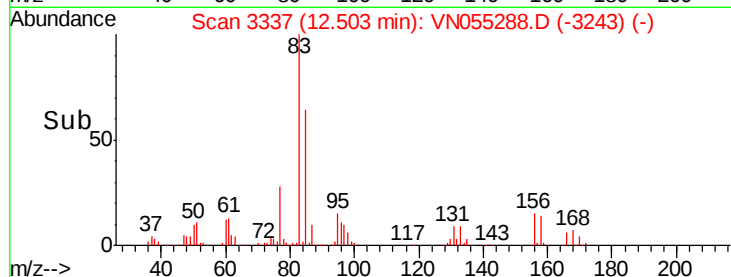
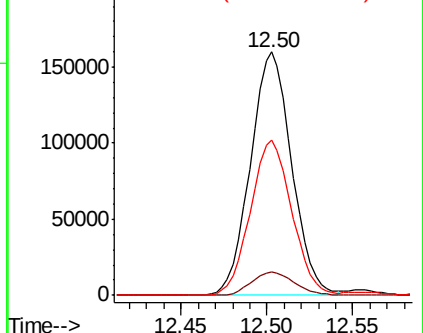
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.291 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055288.D

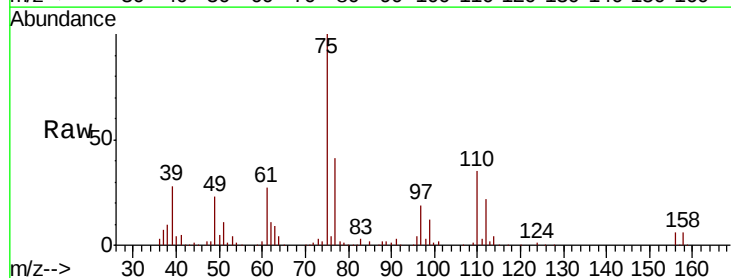
Acq: 29 Apr 2019 12:23

Tgt Ion: 75 Resp: 317042

Ion Ratio Lower Upper

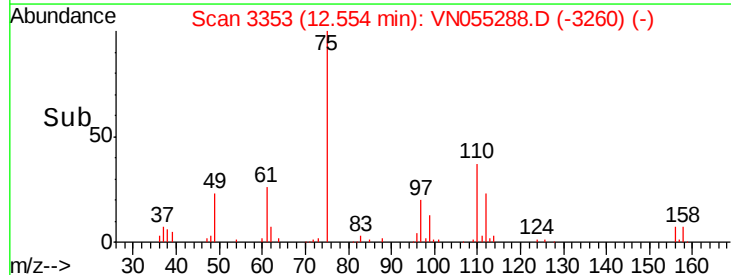
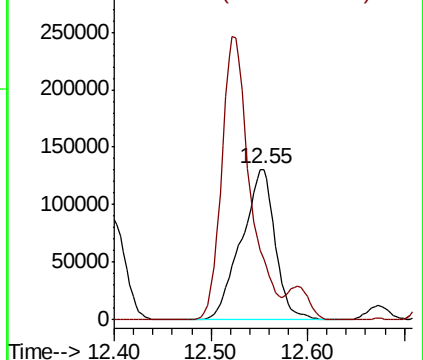
75 100

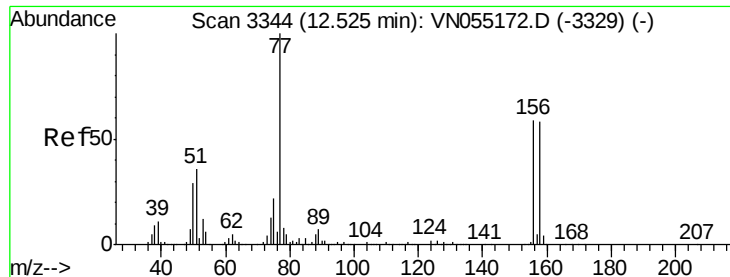
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

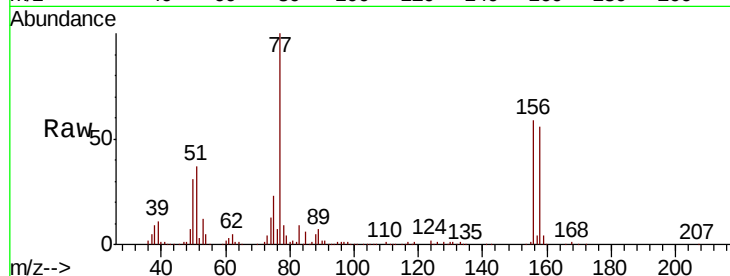
Tgt Ion:156 Resp: 257474

Ion Ratio Lower Upper

156 100

77 196.5 99.6 298.8

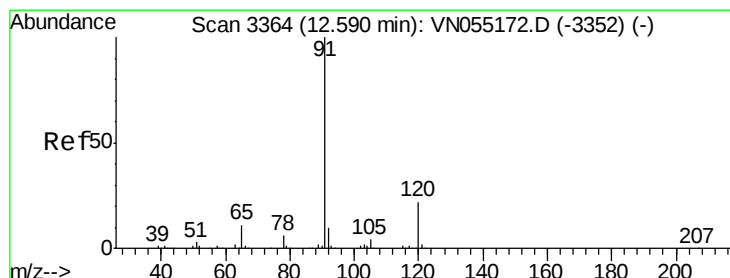
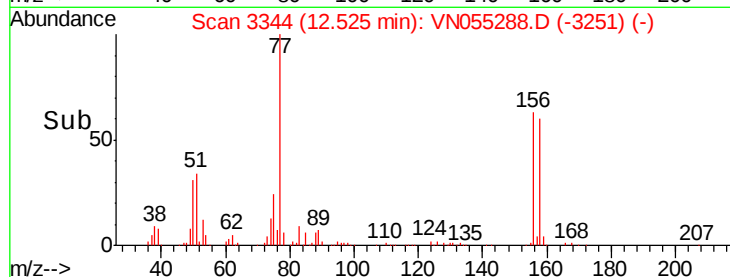
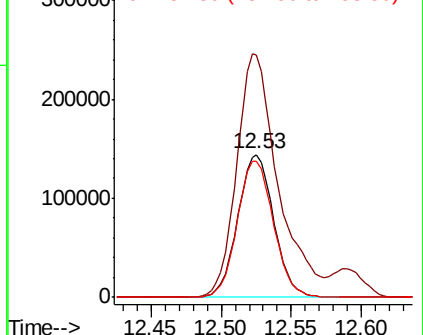
158 96.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.194 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055288.D

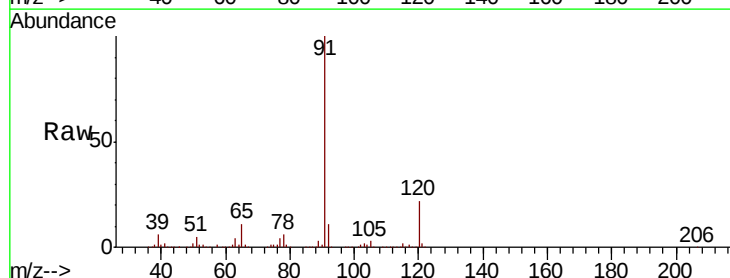
Acq: 29 Apr 2019 12:23

Tgt Ion: 91 Resp: 1209447

Ion Ratio Lower Upper

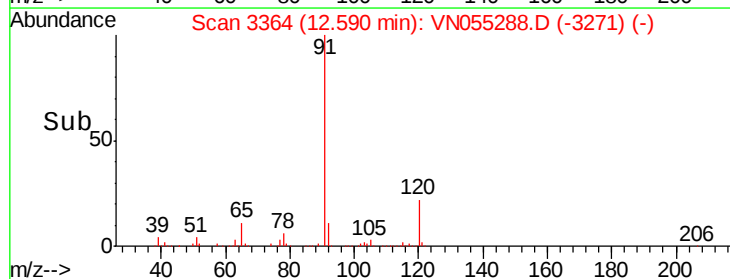
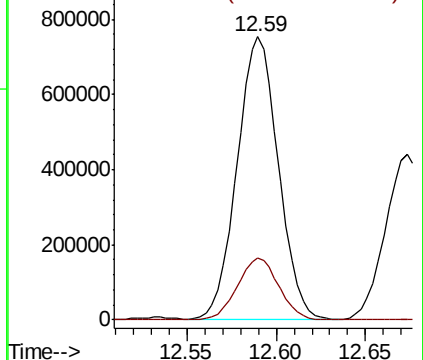
91 100

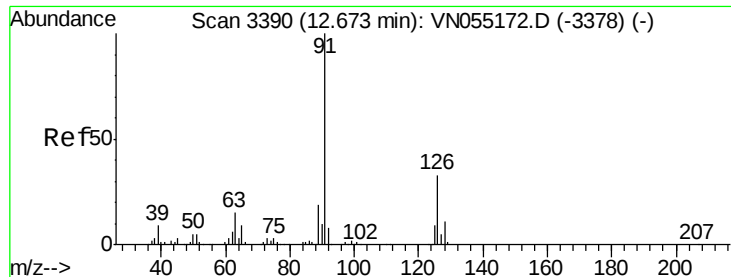
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.959 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

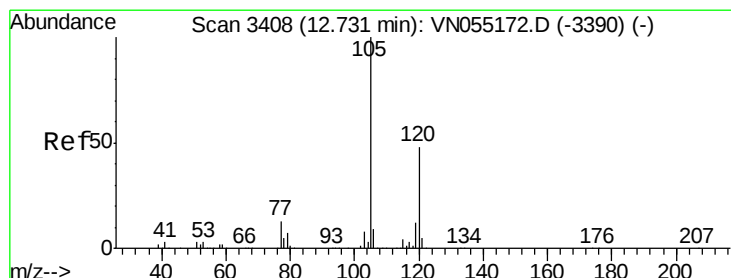
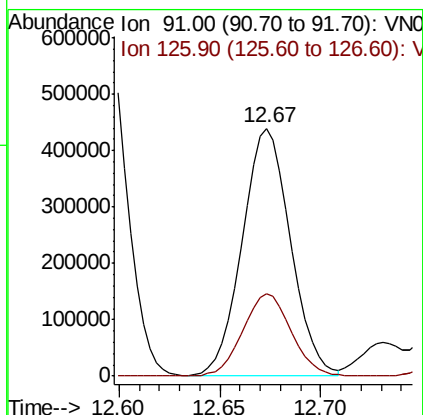
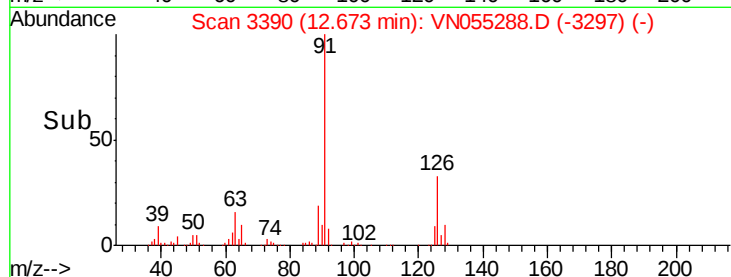
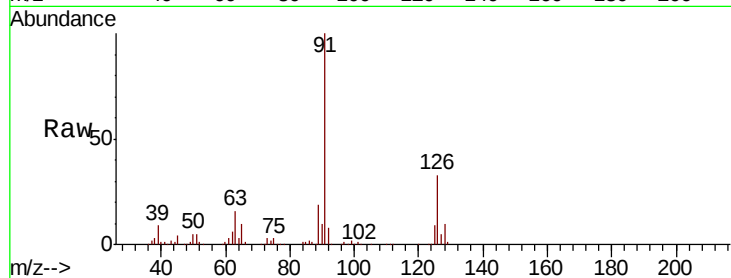
ICVVN042919

Tgt Ion: 91 Resp: 732140

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 43.459 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055288.D

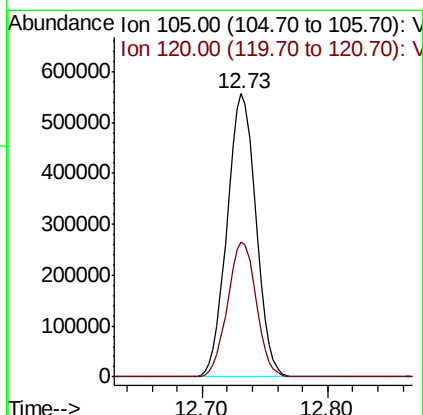
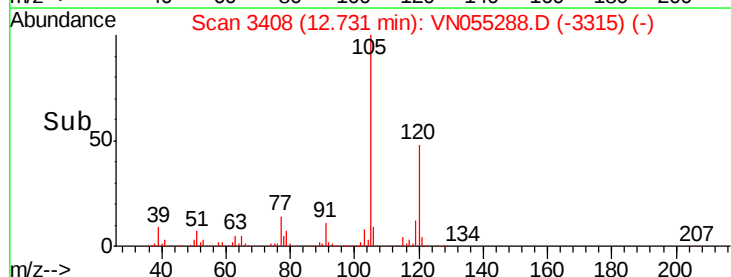
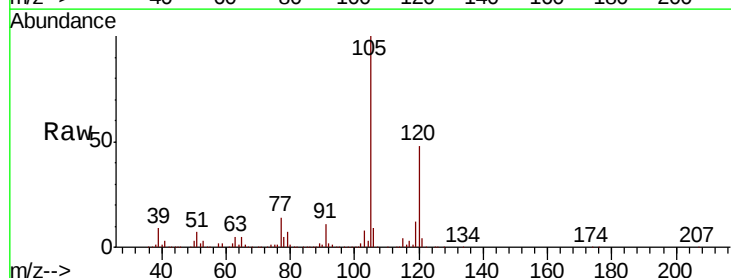
Acq: 29 Apr 2019 12:23

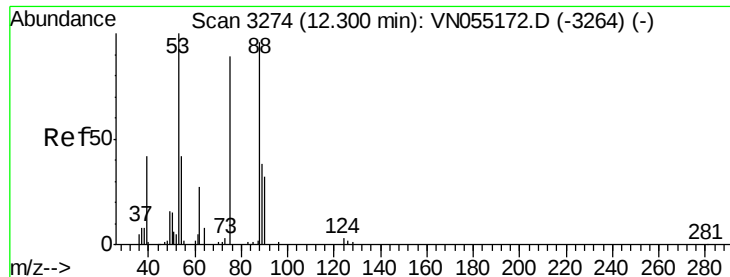
Tgt Ion: 105 Resp: 887608

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.873 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN042919

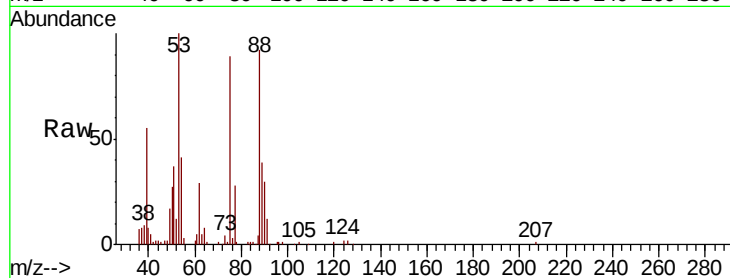
Tgt Ion: 75 Resp: 63063

Ion Ratio Lower Upper

75 100

53 114.1 86.3 129.5

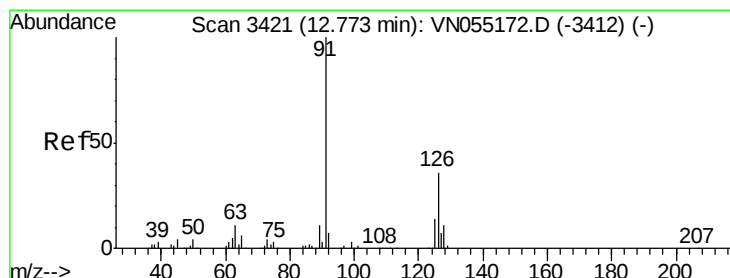
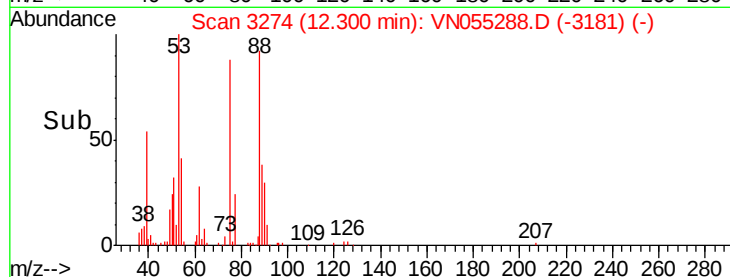
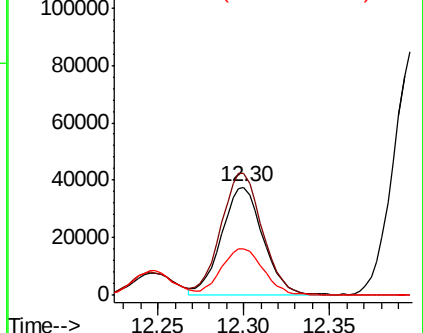
89 44.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.735 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055288.D

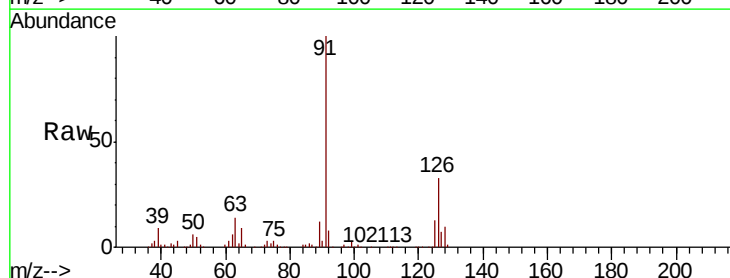
Acq: 29 Apr 2019 12:23

Tgt Ion: 91 Resp: 711631

Ion Ratio Lower Upper

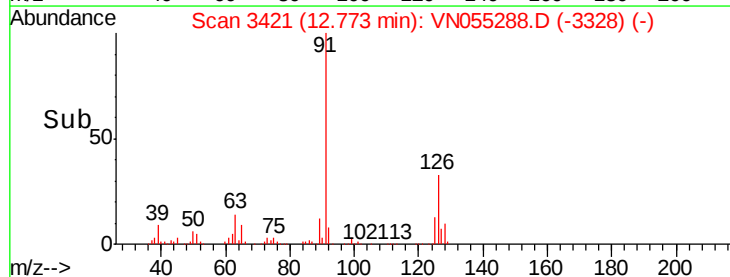
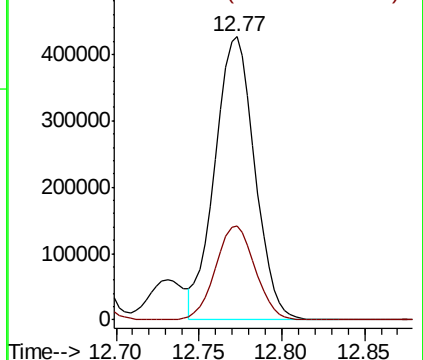
91 100

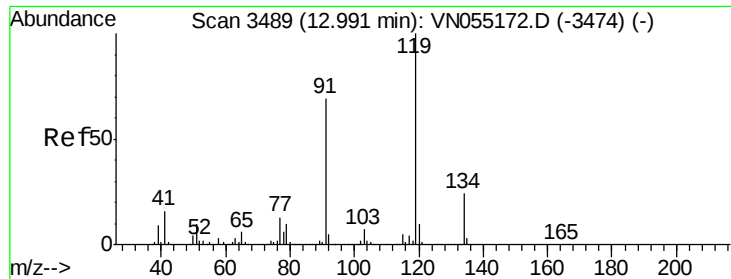
126 33.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

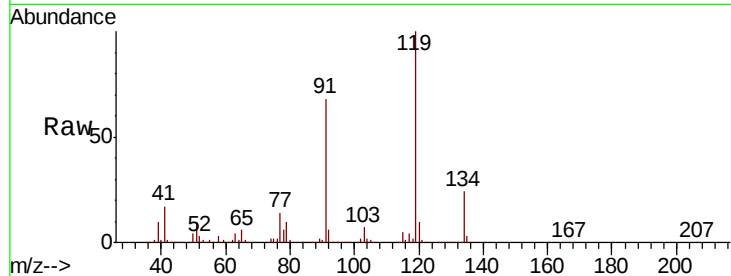




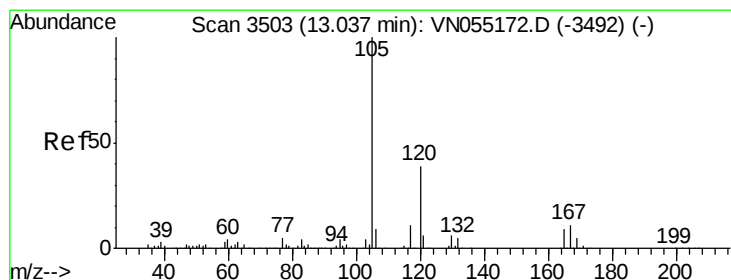
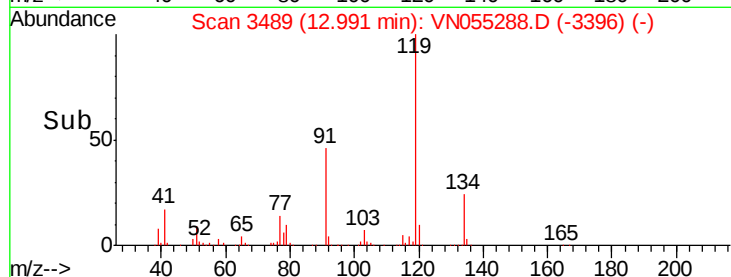
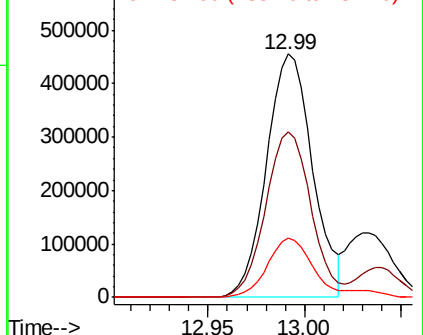
#83
 tert-Butylbenzene
 Concen: 52.401 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

Tgt Ion:119 Resp: 75518
 Ion Ratio Lower Upper
 119 100
 91 67.1 34.3 102.9
 134 25.7 13.1 39.3

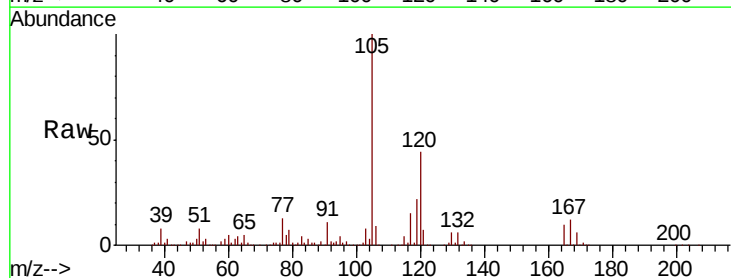


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

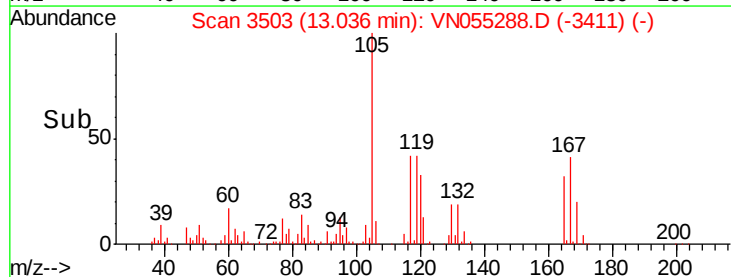
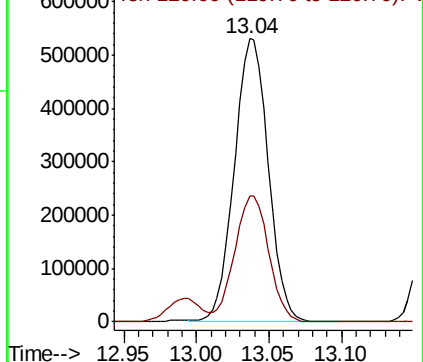


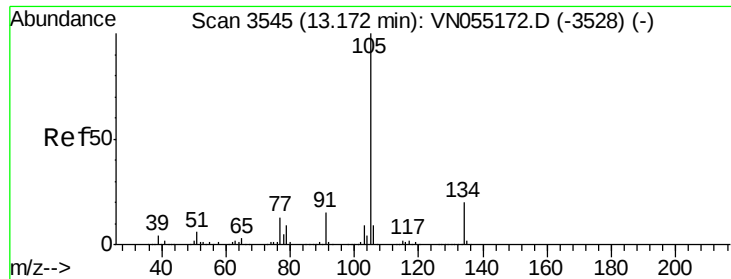
#84
 1,2,4-Trimethylbenzene
 Concen: 47.220 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion:105 Resp: 862538
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.268 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

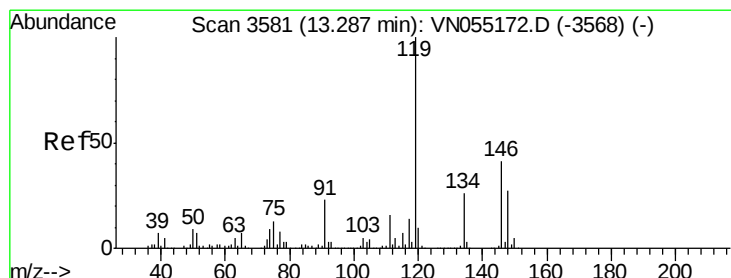
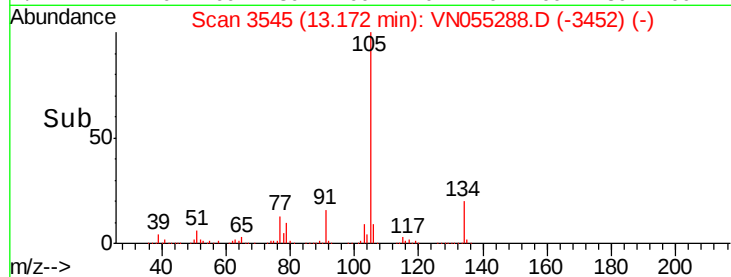
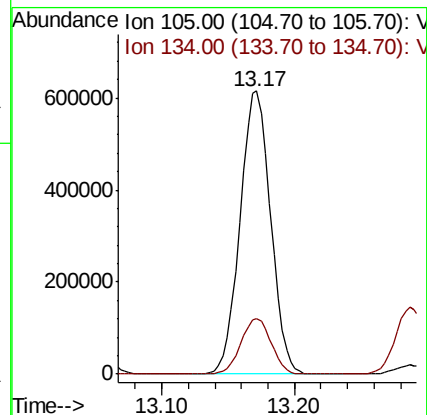
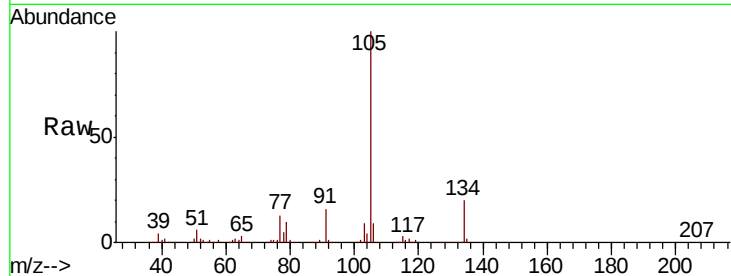
ICVVN042919

Tgt Ion:105 Resp: 982710

Ion Ratio Lower Upper

105 100

134 19.6 9.6 28.8



#86

p-Isopropyltoluene

Concen: 47.555 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

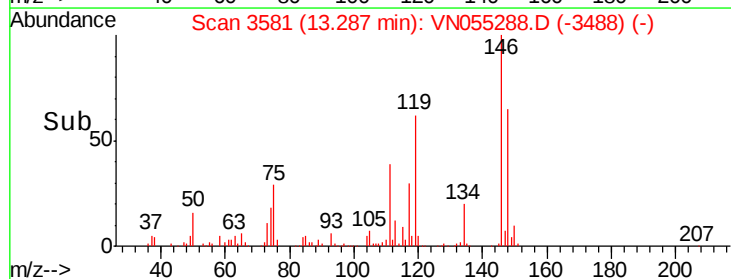
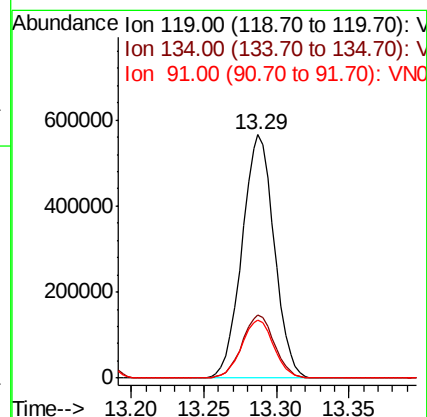
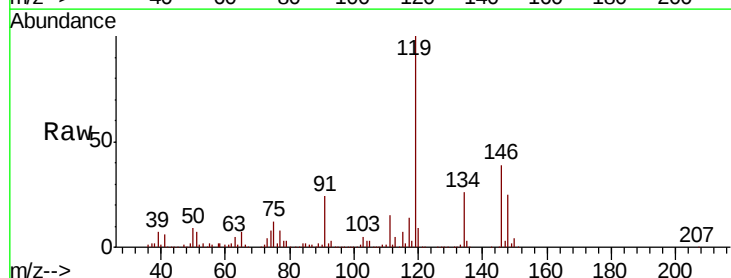
Tgt Ion:119 Resp: 867682

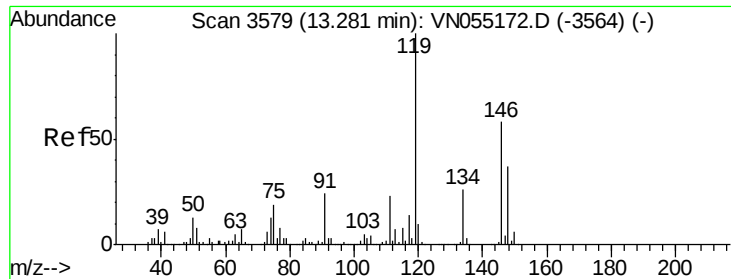
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.9 12.2 36.6

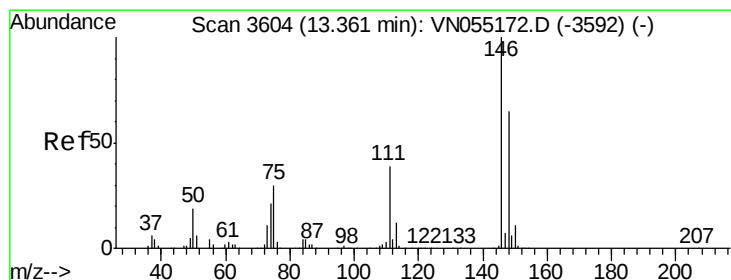
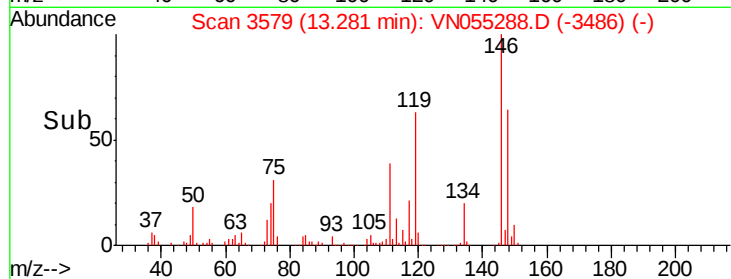
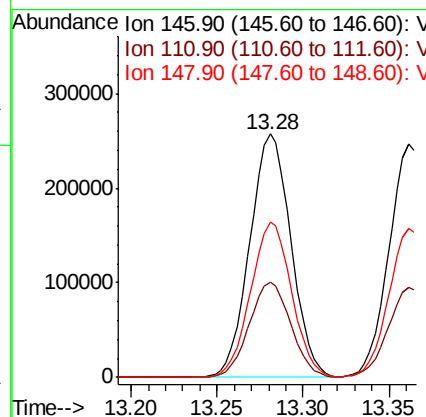
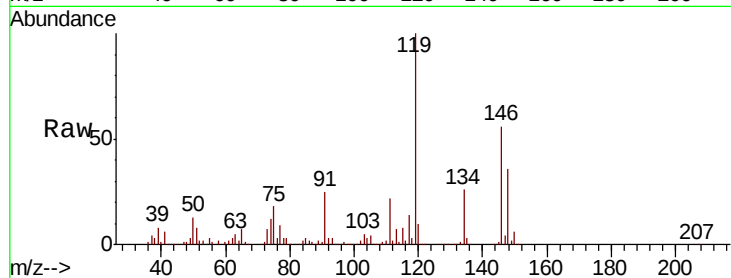




#87
 1,3-Dichlorobenzene
 Concen: 48.988 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

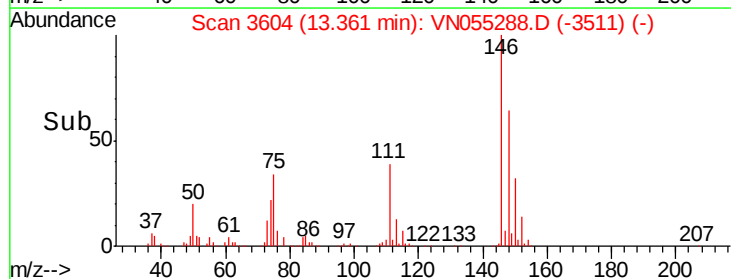
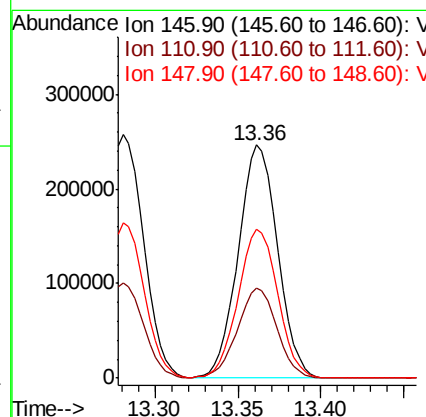
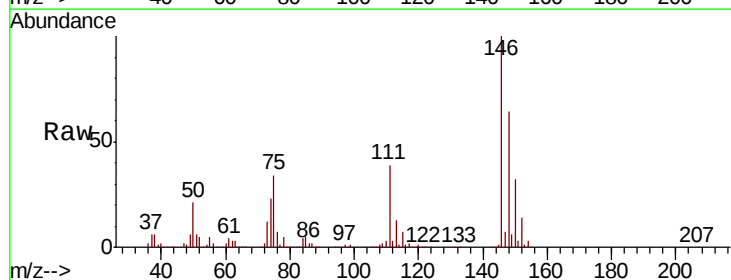
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042919

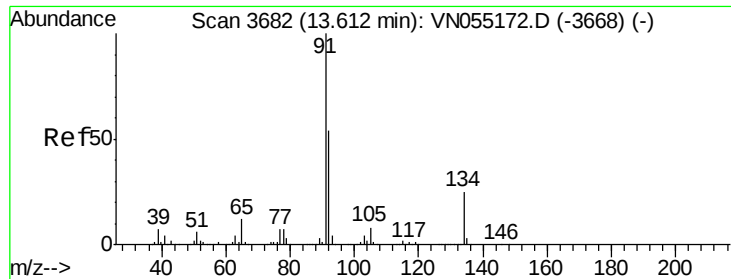
Tgt Ion:146 Resp: 427069
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.3 60.8
 148 63.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.480 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion:146 Resp: 406223
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.5 58.5
 148 64.5 32.5 97.4





#89

n-Butylbenzene

Concen: 54.213 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

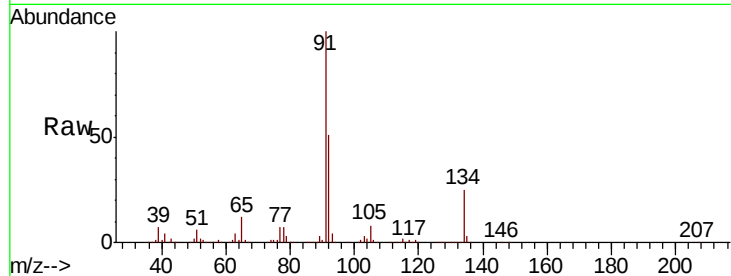
Tgt Ion: 91 Resp: 702876

Ion Ratio Lower Upper

91 100

92 51.3 26.1 78.3

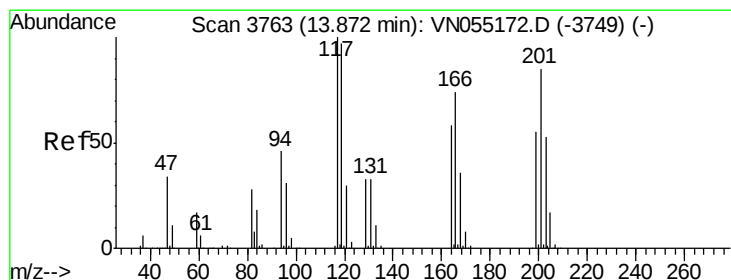
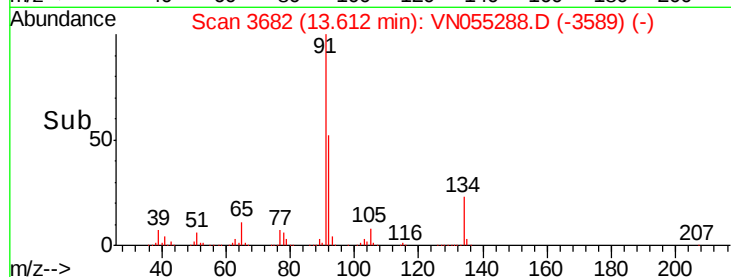
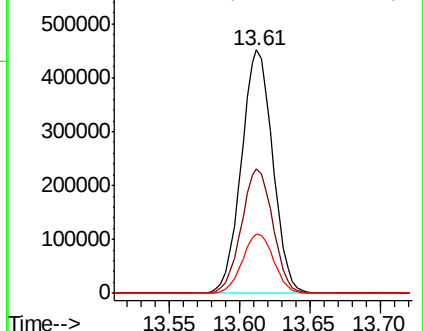
134 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055172.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055172.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.948 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055288.D

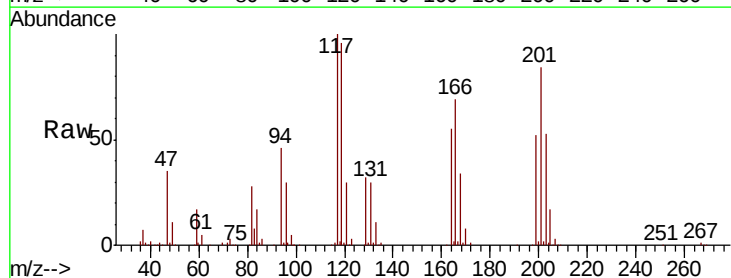
Acq: 29 Apr 2019 12:23

Tgt Ion: 117 Resp: 147101

Ion Ratio Lower Upper

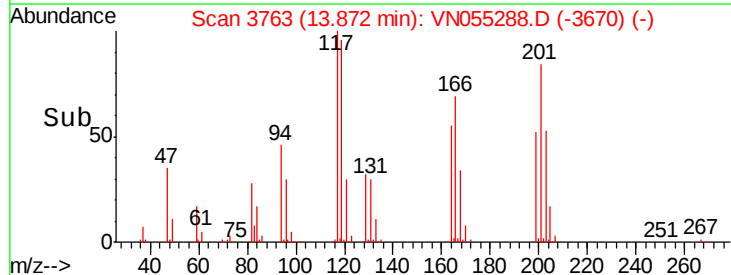
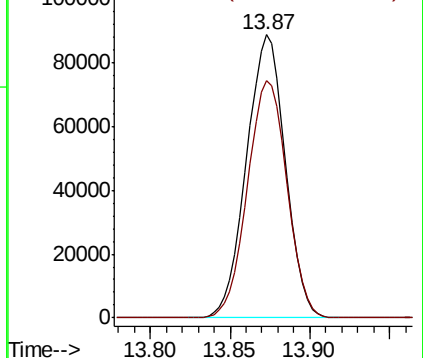
117 100

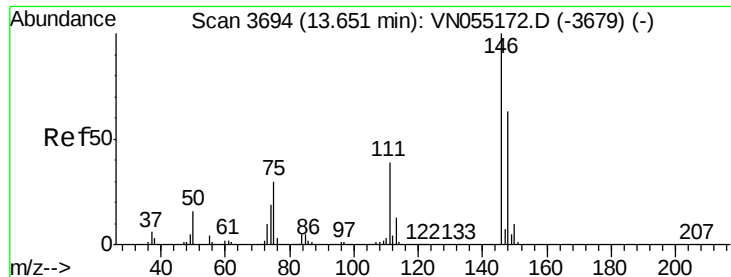
201 85.5 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055172.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.107 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042919

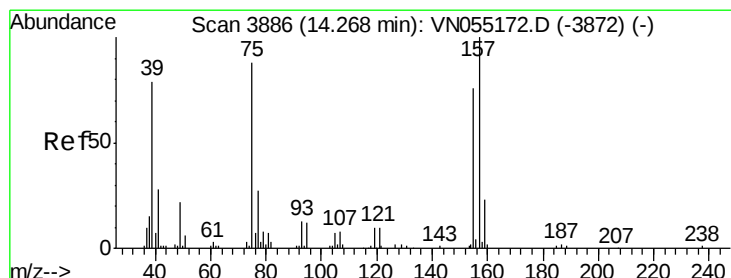
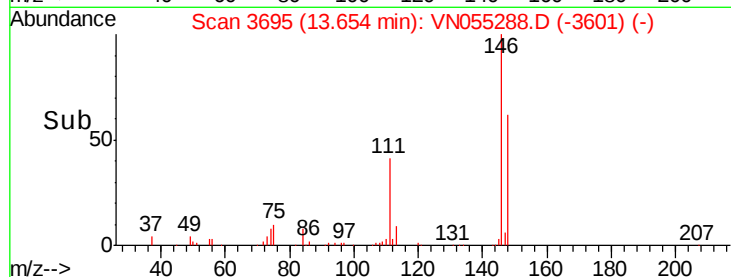
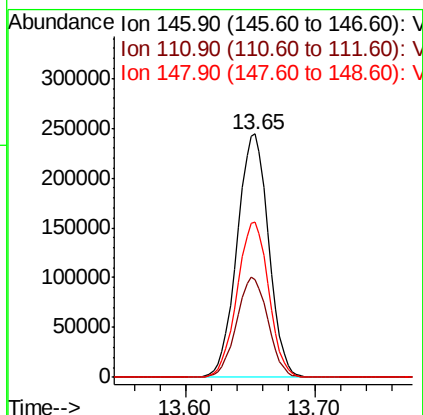
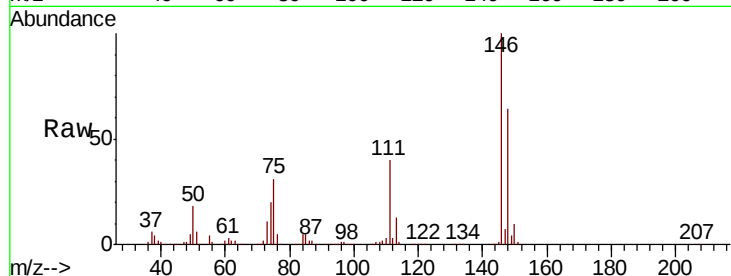
Tgt Ion:146 Resp: 415663

Ion Ratio Lower Upper

146 100

111 40.8 20.3 61.0

148 63.8 32.4 97.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.840 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

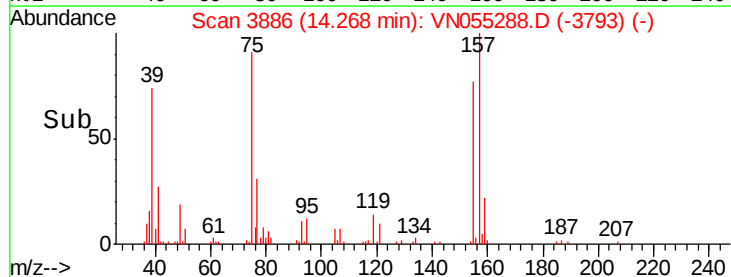
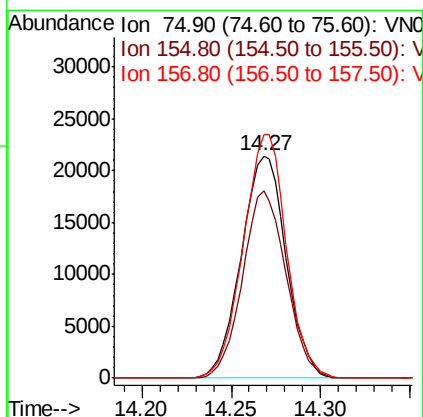
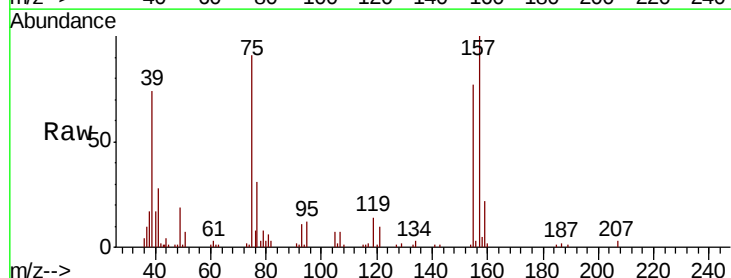
Tgt Ion: 75 Resp: 37587

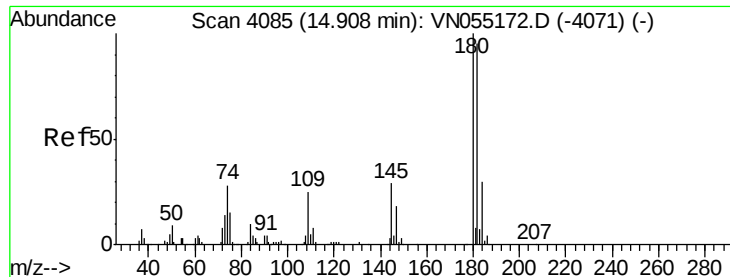
Ion Ratio Lower Upper

75 100

155 81.4 41.5 124.6

157 105.7 54.0 162.2

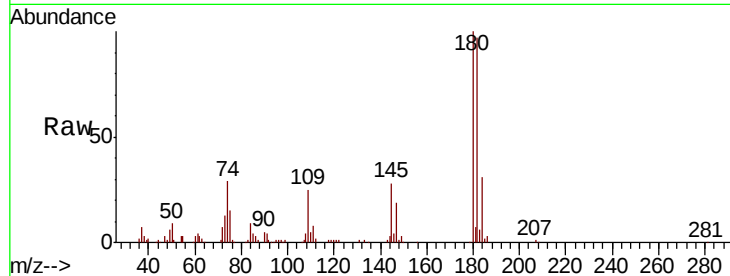




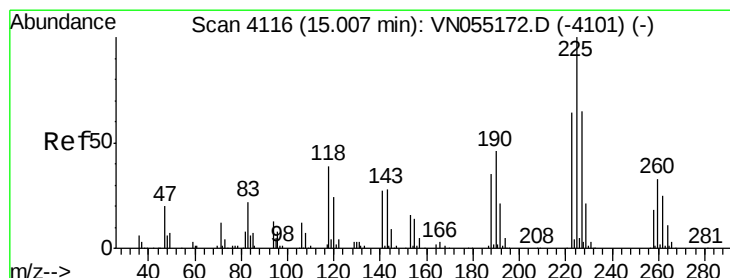
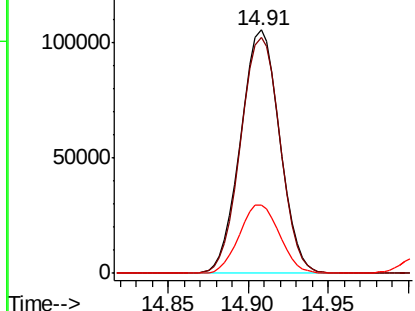
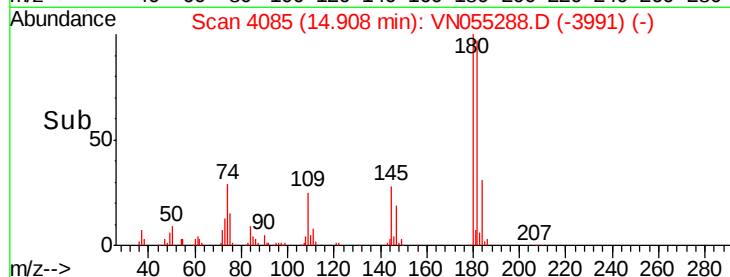
#93
 1,2,4-Trichlorobenzene
 Concen: 51.493 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042919

Tgt Ion:180 Resp: 175764
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.3 144.9
 145 28.9 14.2 42.6

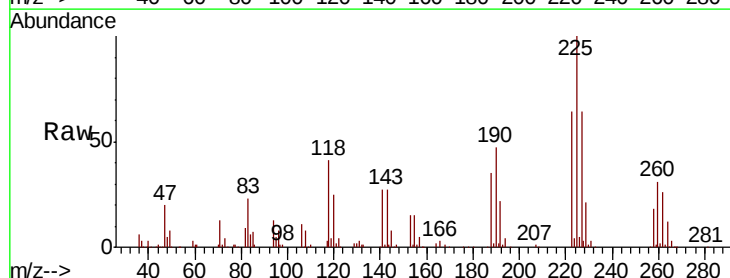


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

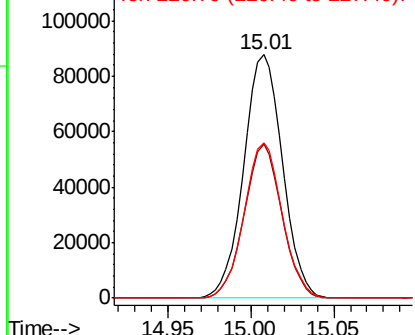
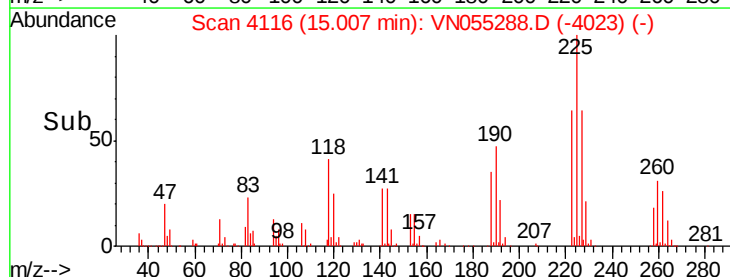


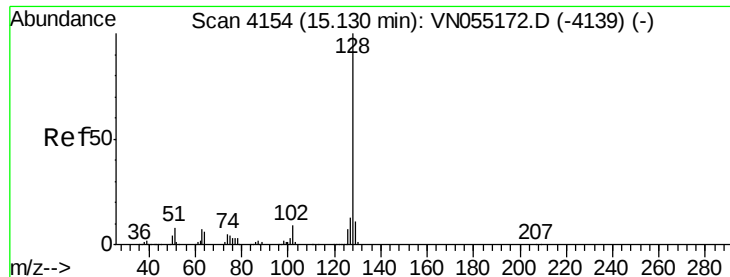
#94
 Hexachlorobutadiene
 Concen: 55.539 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055288.D
 Acq: 29 Apr 2019 12:23

Tgt Ion:225 Resp: 143595
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.3 90.8
 227 62.6 30.9 92.7



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





#95

Naphthalene

Concen: 51.469 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN042919

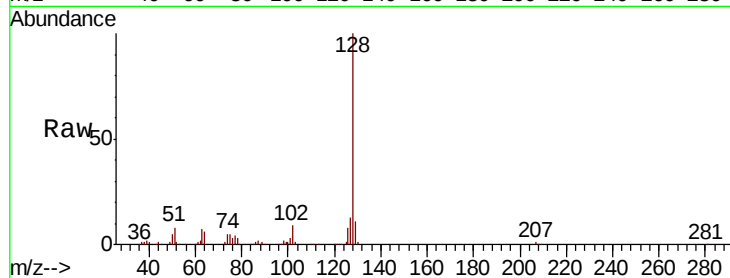
Tgt Ion:128 Resp: 373471

Ion Ratio Lower Upper

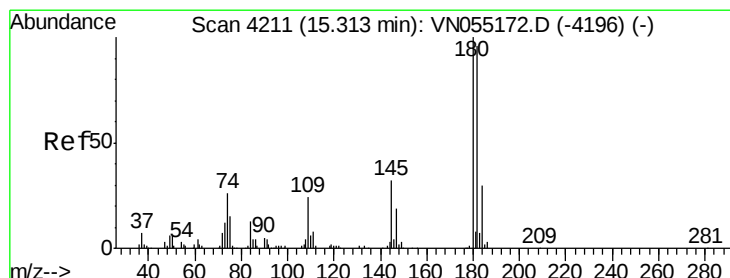
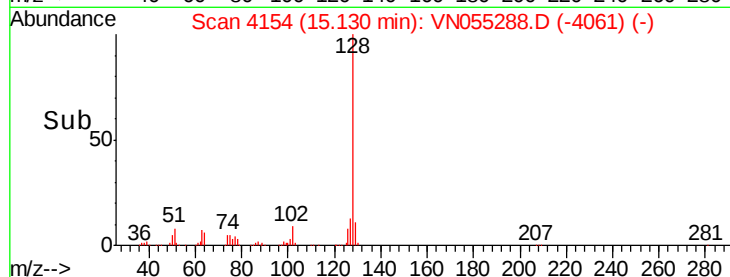
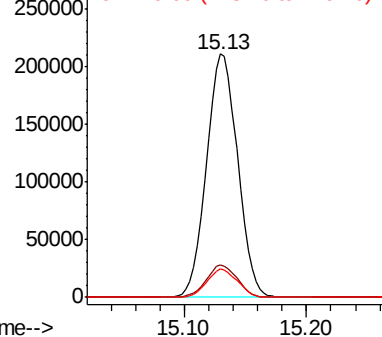
128 100

127 13.3 10.7 16.1

129 11.4 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 52.001 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055288.D

Acq: 29 Apr 2019 12:23

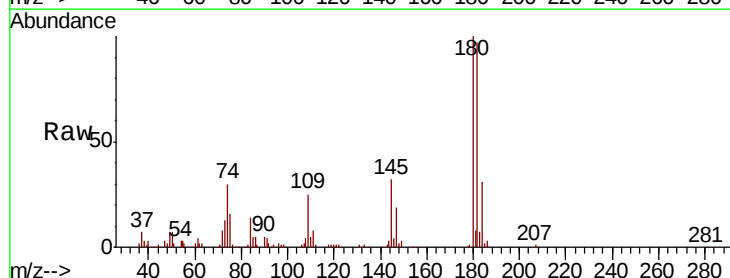
Tgt Ion:180 Resp: 174812

Ion Ratio Lower Upper

180 100

182 97.1 48.3 144.9

145 31.8 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

