

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022019\
 Data File : VN053876.D
 Acq On : 20 Feb 2019 11:23
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Quant Time: Feb 21 03:49:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	710501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1041406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	488460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	336240	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	7.59	113	322933	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1227747	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	421783	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	290224	47.016	ug/l	98
3) Chloromethane	2.06	50	362493	47.235	ug/l	99
4) Vinyl Chloride	2.19	62	384388	46.661	ug/l	99
5) Bromomethane	2.57	94	294313	48.786	ug/l	100
6) Chloroethane	2.71	64	254743	47.847	ug/l	100
7) Trichlorofluoromethane	3.02	101	554157	47.372	ug/l	97
8) Diethyl Ether	3.41	74	189262	46.024	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319811	45.364	ug/l	99
10) Methyl Iodide	3.96	142	471909	45.139	ug/l	100
11) Tert butyl alcohol	4.78	59	106600	235.170	ug/l	99
12) 1,1-Dichloroethene	3.74	96	305844	46.386	ug/l	99
13) Acrolein	3.61	56	91931	283.749	ug/l	100
14) Allyl chloride	4.33	41	483045	48.407	ug/l	99
15) Acrylonitrile	4.98	53	551616	241.562	ug/l	100
16) Acetone	3.81	43	480510	240.618	ug/l	99
17) Carbon Disulfide	4.06	76	939681	46.015	ug/l	99
18) Methyl Acetate	4.32	43	216787	45.997	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	828067	49.500	ug/l	99
20) Methylene Chloride	4.55	84	338247	45.242	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	329387	47.598	ug/l	96
22) Diisopropyl ether	5.95	45	919074	49.408	ug/l	98
23) Vinyl Acetate	5.89	43	3443648	257.513	ug/l	99
24) 1,1-Dichloroethane	5.85	63	585398	46.481	ug/l	99
25) 2-Butanone	6.83	43	630774	244.784	ug/l	98
26) 2,2-Dichloropropane	6.82	77	467983	48.968	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	370329	47.771	ug/l	100
28) Bromochloromethane	7.19	49	264687	48.154	ug/l	97
29) Tetrahydrofuran	7.21	42	402876	241.748	ug/l	100
30) Chloroform	7.37	83	586137	46.317	ug/l	99
31) Cyclohexane	7.65	56	562815	48.791	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	500751	46.248	ug/l	99
36) 1,1-Dichloropropene	7.79	75	458395	48.021	ug/l	99
37) Ethyl Acetate	6.92	43	267679	46.602	ug/l	98
38) Carbon Tetrachloride	7.77	117	454219	47.664	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	589584	53.601	ug/l	99
40) Benzene	8.04	78	1374768	48.717	ug/l	100
41) Methacrylonitrile	7.17	41	146889	46.852	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	402422	47.835	ug/l	99
43) Isopropyl Acetate	8.16	43	484404	47.575	ug/l	99
44) Trichloroethene	8.83	130	390079	49.378	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355763	49.380	ug/l	99
46) Dibromomethane	9.21	93	212463	48.977	ug/l	98
47) Bromodichloromethane	9.40	83	449701	49.140	ug/l	98
48) Methyl methacrylate	9.20	41	225442	51.641	ug/l	94
49) 1,4-Dioxane	9.20	88	68370	967.787	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1276383	244.143	ug/l	99
52) Toluene	10.16	92	837436	50.076	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	463408	52.148	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	546115	52.140	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	304391	49.791	ug/l	98
56) Ethyl methacrylate	10.43	69	378293	48.206	ug/l	99
57) 1,3-Dichloropropane	10.71	76	510741	49.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	853516	242.121	ug/l	99
59) 2-Hexanone	10.75	43	842158	263.629	ug/l	99
60) Dibromochloromethane	10.90	129	351857	49.309	ug/l	99
61) 1,2-Dibromoethane	11.00	107	300857	49.536	ug/l	99
64) Tetrachloroethene	10.63	164	384423	47.001	ug/l	99
65) Chlorobenzene	11.43	112	939353	49.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	343351	49.146	ug/l	99
67) Ethyl Benzene	11.51	91	1571516	50.720	ug/l	99
68) m/p-Xylenes	11.62	106	1243469	103.648	ug/l	100
69) o-Xylene	11.95	106	593770	51.410	ug/l	99
70) Styrene	11.96	104	967809	53.399	ug/l	99
71) Bromoform	12.13	173	247075	49.832	ug/l #	99
73) Isopropylbenzene	12.25	105	1552886	45.127	ug/l	99
74) N-amyl acetate	12.07	43	376093	47.593	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	361523	44.437	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	458022	63.875	ug/l #	100
77) Bromobenzene	12.53	156	421496	45.661	ug/l	98
78) n-propylbenzene	12.59	91	1878260	48.811	ug/l	100
79) 2-Chlorotoluene	12.67	91	1104889	47.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1384318	48.465	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101370	46.670	ug/l	98
82) 4-Chlorotoluene	12.77	91	1130405	48.903	ug/l	100
83) tert-Butylbenzene	12.99	119	1202120	46.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1474840	51.481	ug/l	100
85) sec-Butylbenzene	13.17	105	1769138	51.230	ug/l	100
86) p-Isopropyltoluene	13.29	119	1572341	52.463	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	811042	50.349	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	797468	49.203	ug/l	100
89) n-Butylbenzene	13.61	91	1350187	54.783	ug/l	99
90) Hexachloroethane	13.87	117	259146	45.261	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	765441	48.434	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54775	46.139	ug/l	98

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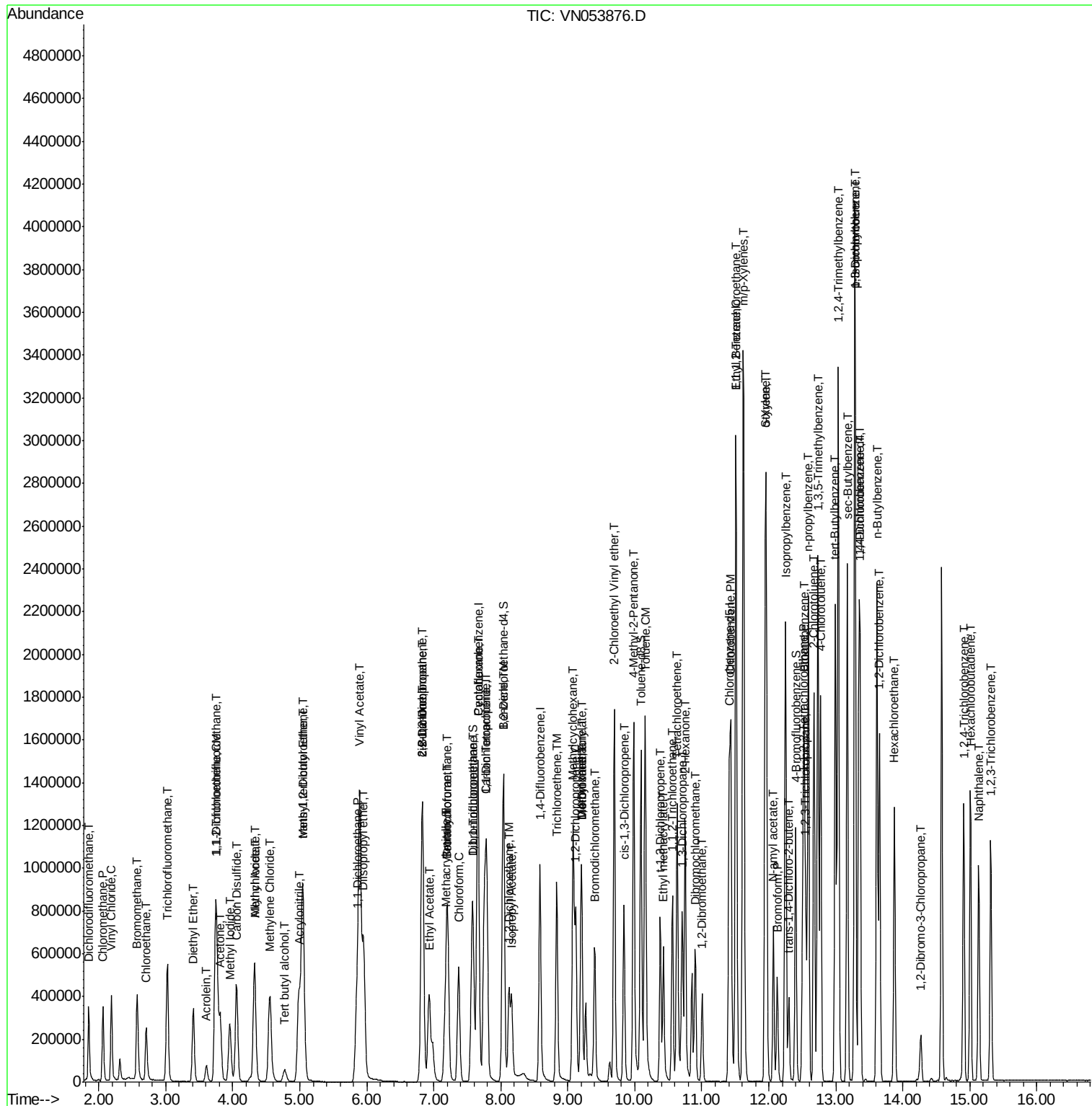
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	465740	48.727	ug/l	99
94) Hexachlorobutadiene	15.01	225	301585	45.759	ug/l	99
95) Naphthalene	15.13	128	919516	47.680	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	434564	47.953	ug/l	98

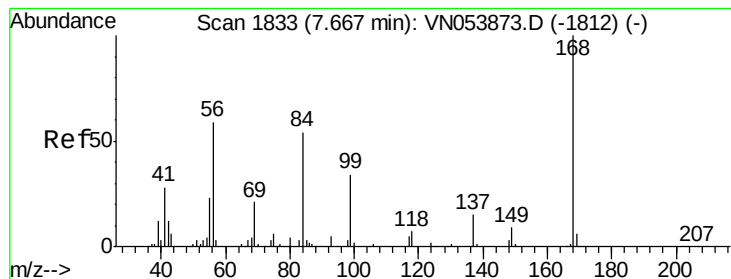
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022019\
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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

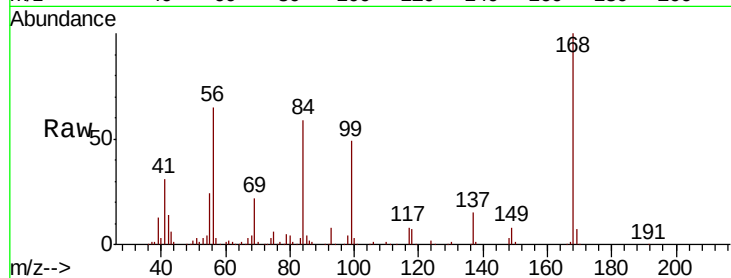
ICVVN022019

Tgt Ion:168 Resp: 710501

Ion Ratio Lower Upper

168 100

99 48.0 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

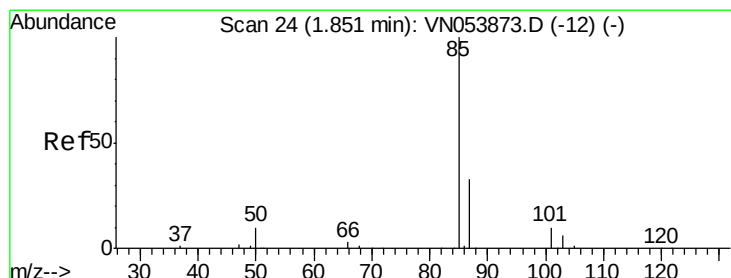
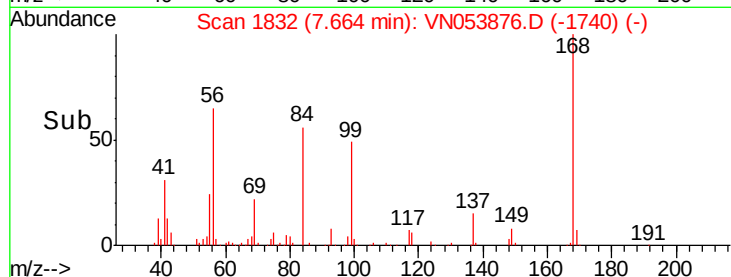
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.016 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053876.D

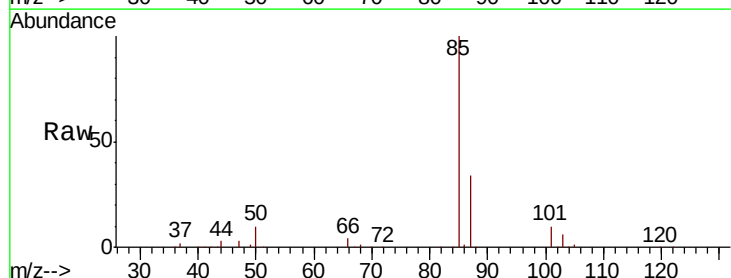
Acq: 20 Feb 2019 11:23

Tgt Ion: 85 Resp: 290224

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

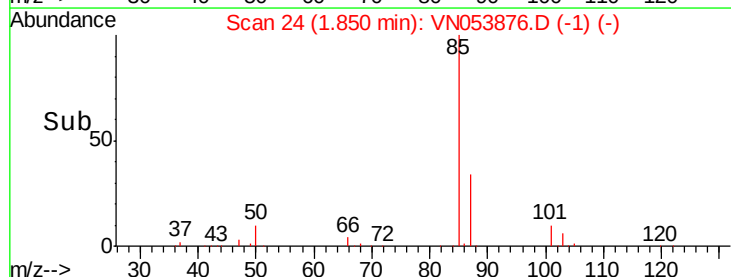
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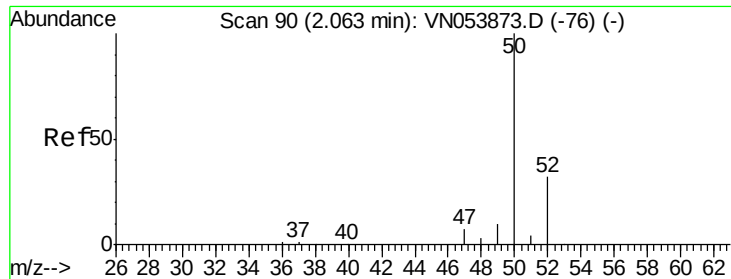
100000

50000

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Time-->





#3

Chloromethane

Concen: 47.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

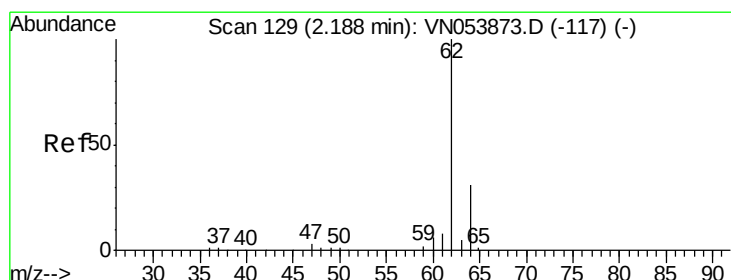
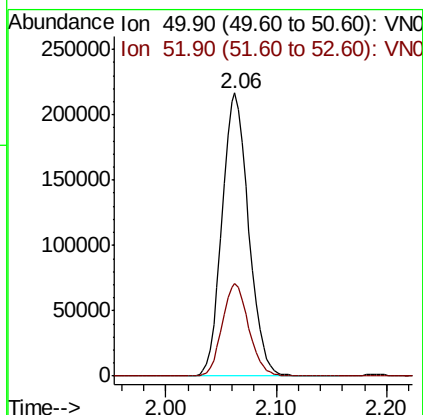
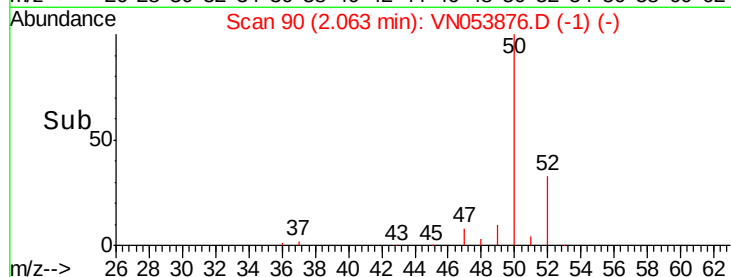
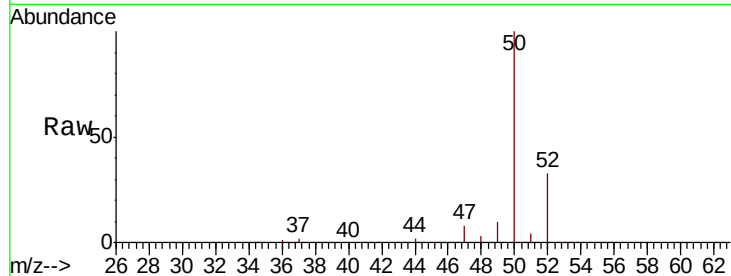
ICVVN022019

Tgt Ion: 50 Resp: 362493

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 46.661 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053876.D

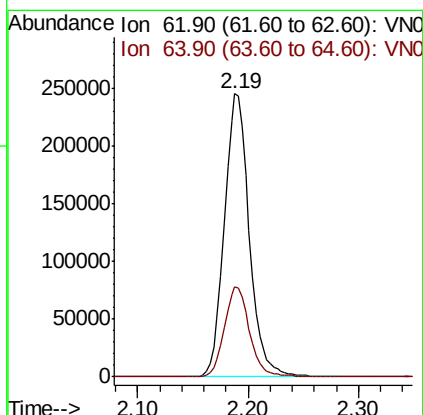
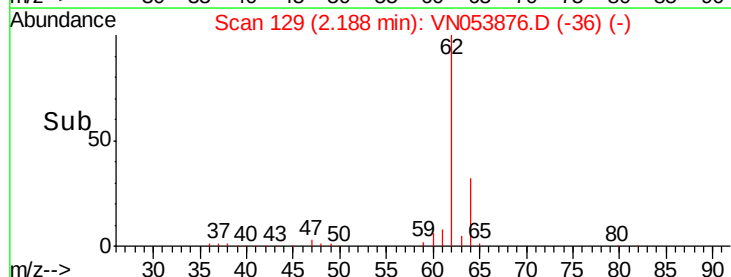
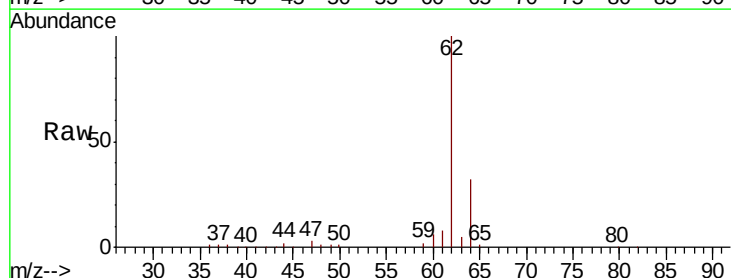
Acq: 20 Feb 2019 11:23

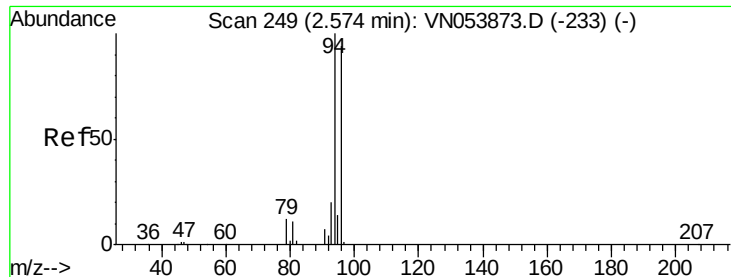
Tgt Ion: 62 Resp: 384388

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 48.786 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

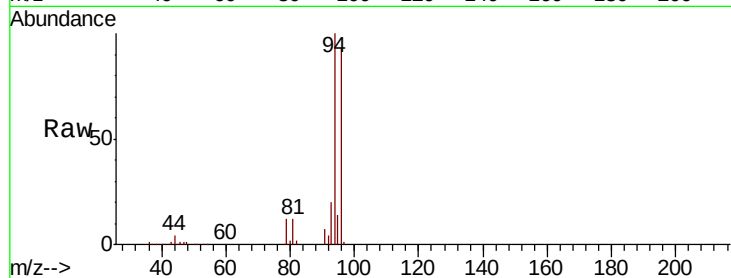
ICVFN022019

Tgt Ion: 94 Resp: 294313

Ion Ratio Lower Upper

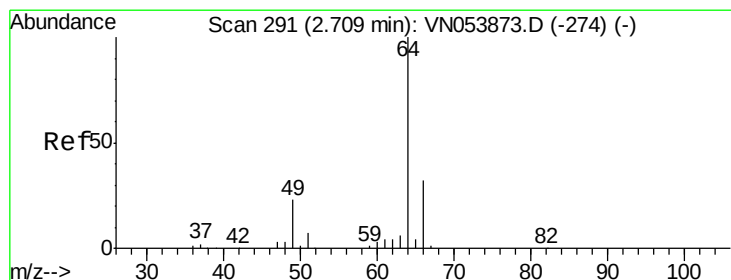
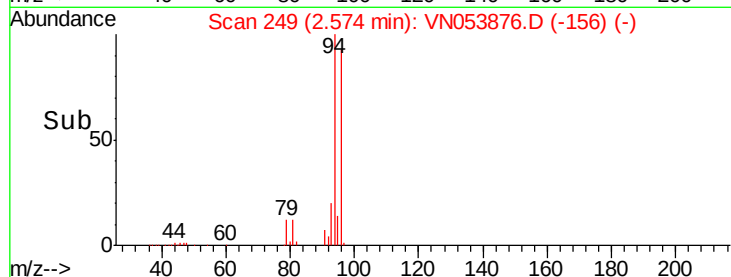
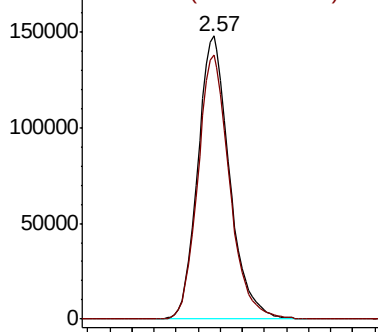
94 100

96 93.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.847 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053876.D

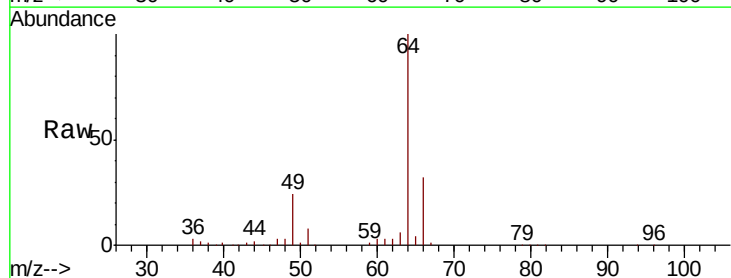
Acq: 20 Feb 2019 11:23

Tgt Ion: 64 Resp: 254743

Ion Ratio Lower Upper

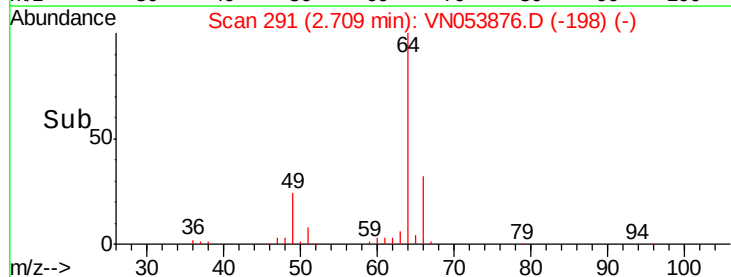
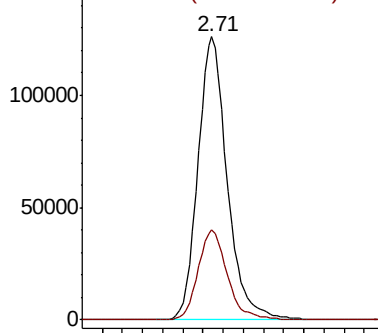
64 100

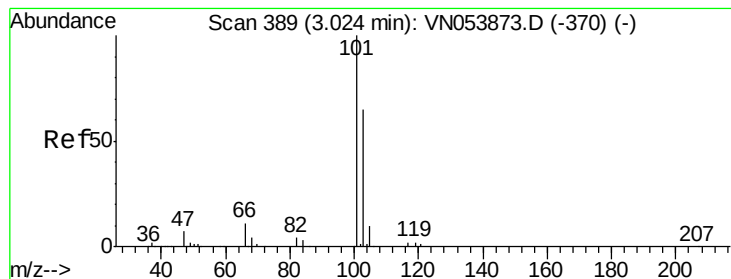
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



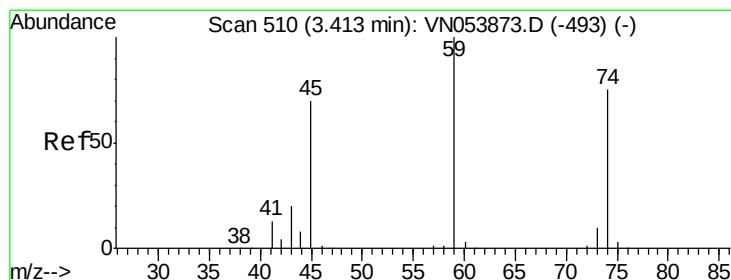
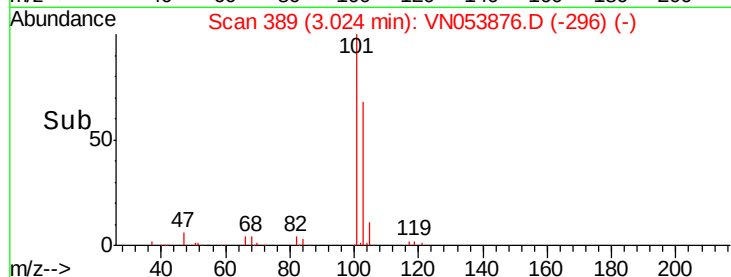
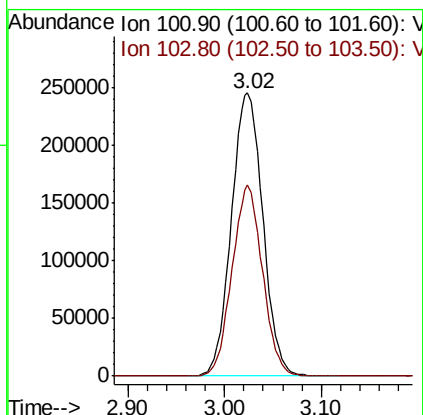
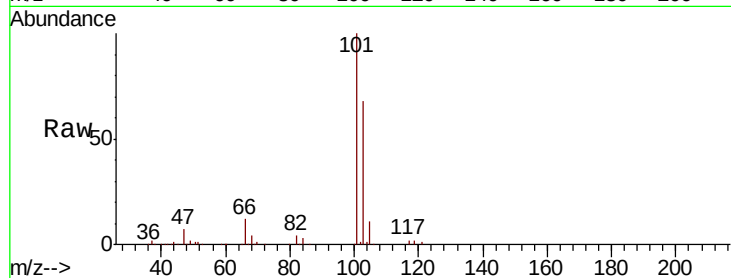


#7

Trichlorofluoromethane
 Concen: 47.372 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053876.D
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Instrument :
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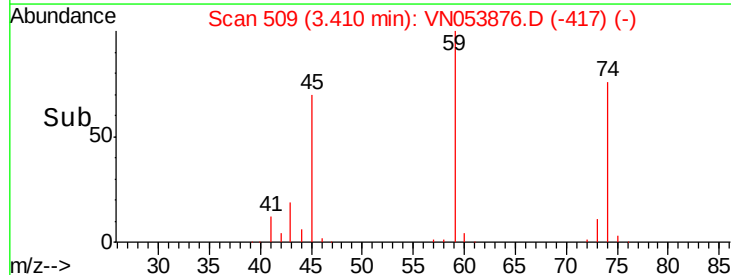
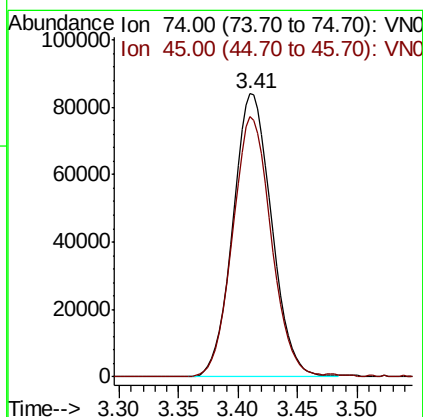
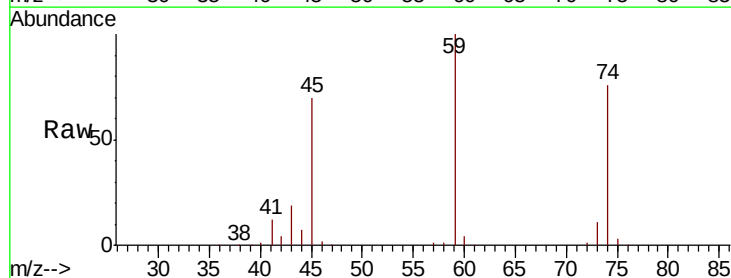
Tgt Ion: 101 Resp: 554157
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.9 77.9

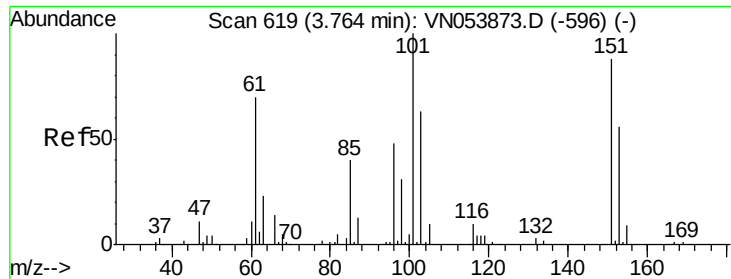


#8

Diethyl Ether
 Concen: 46.024 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 74 Resp: 189262
 Ion Ratio Lower Upper
 74 100
 45 91.6 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.364 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVFN022019

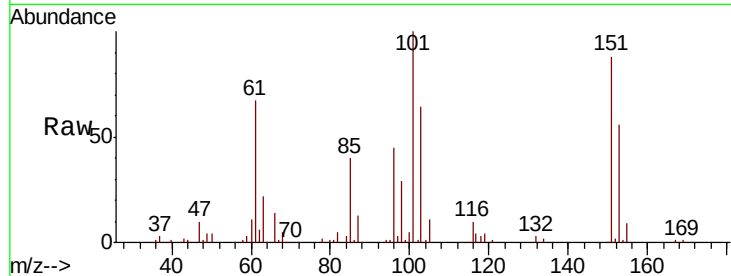
Tgt Ion:101 Resp: 319811

Ion Ratio Lower Upper

101 100

85 41.3 32.5 48.7

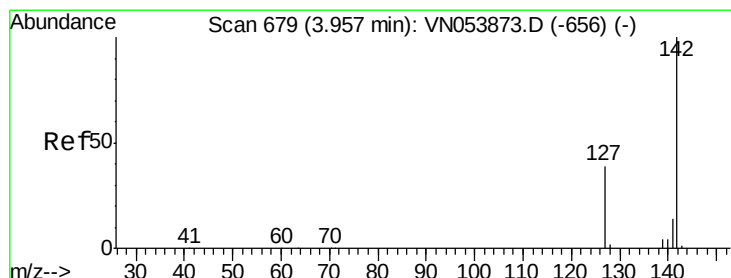
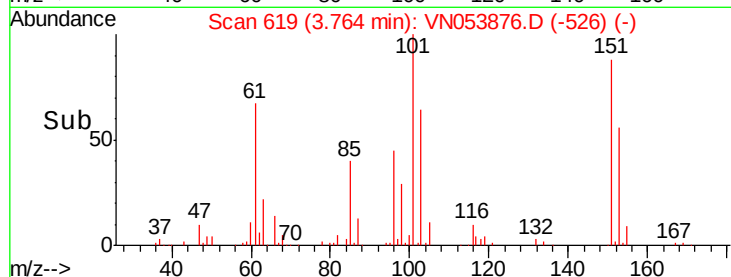
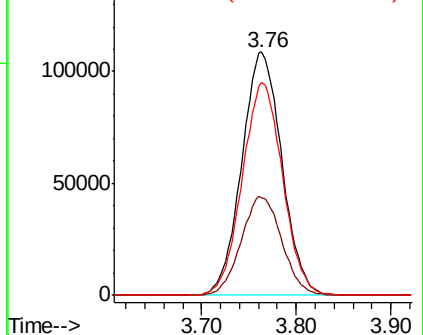
151 88.3 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.139 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

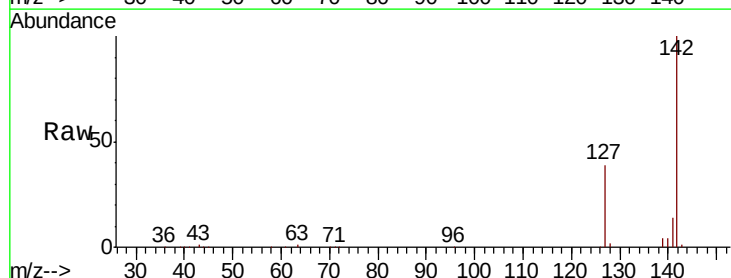
Tgt Ion:142 Resp: 471909

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

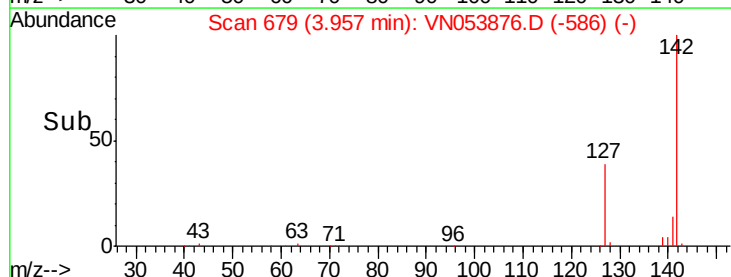
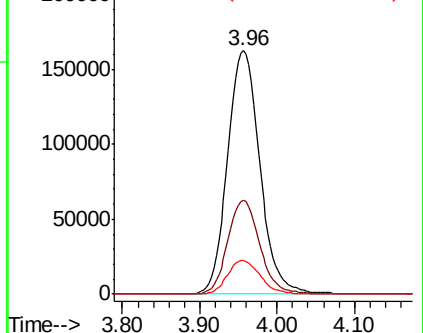
141 14.1 11.3 16.9

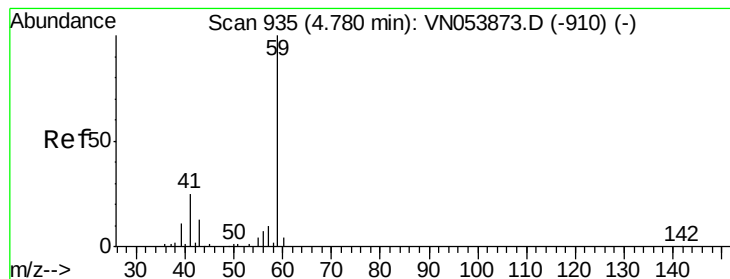


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



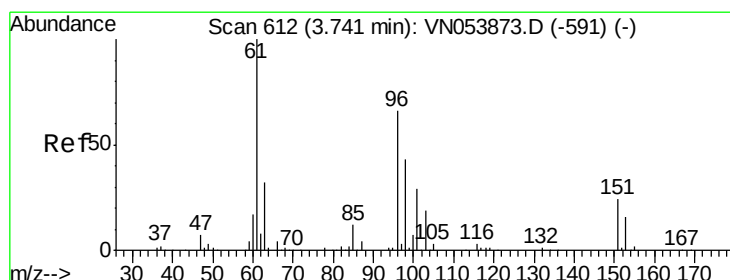
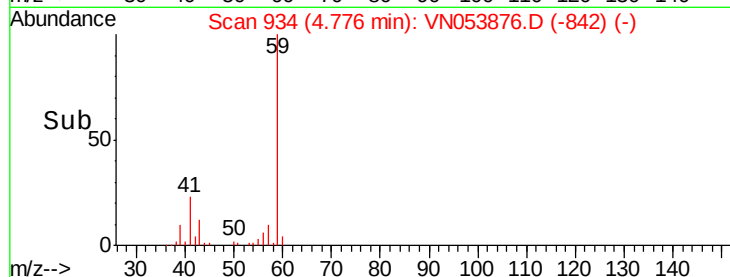
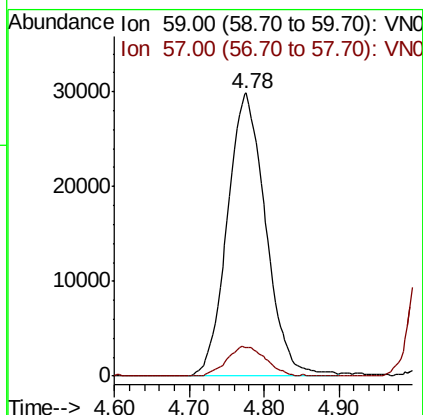
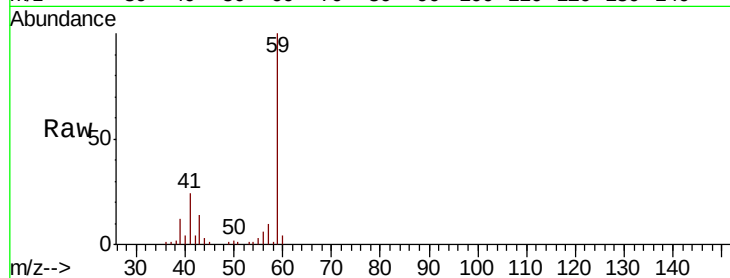


#11

Tert butyl alcohol
 Concen: 235.170 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

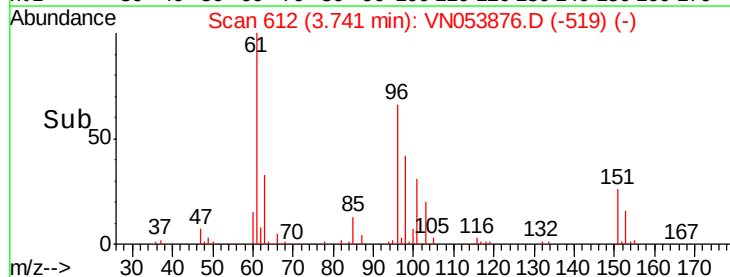
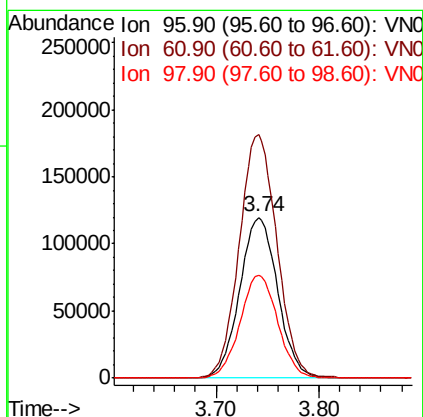
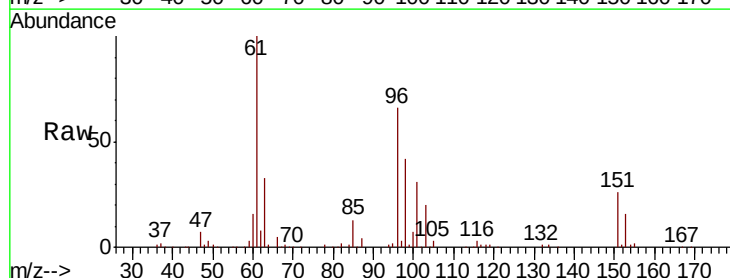
Tgt Ion: 59 Resp: 106600
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1

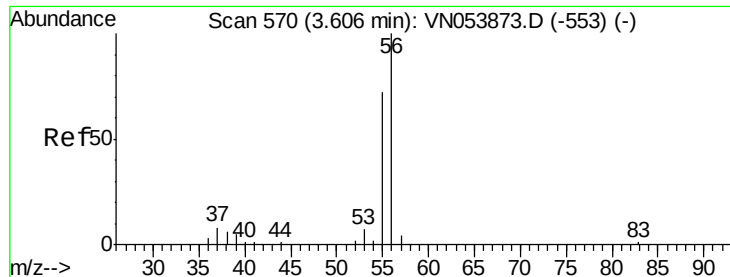


#12

1,1-Dichloroethene
 Concen: 46.386 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 96 Resp: 305844
 Ion Ratio Lower Upper
 96 100
 61 151.7 121.0 181.4
 98 64.4 52.2 78.2





#13

Acrolein

Concen: 283.749 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

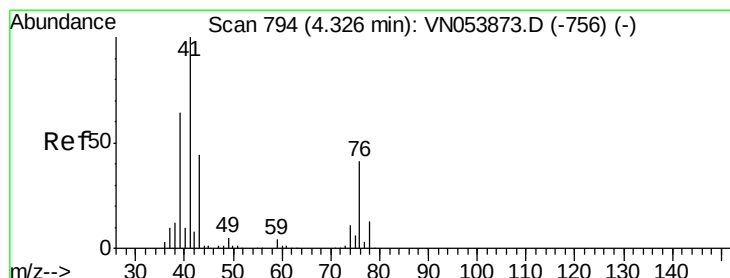
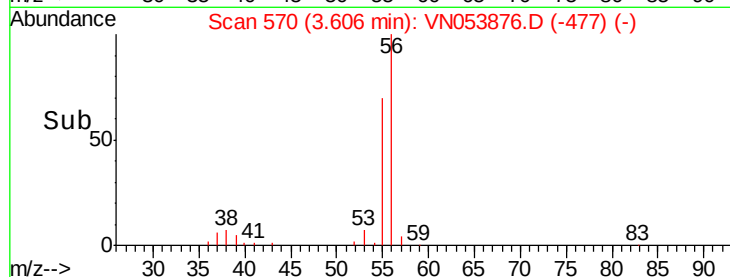
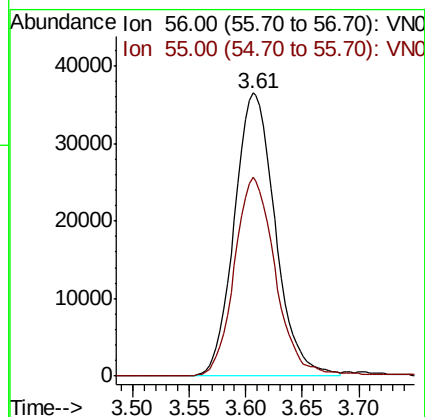
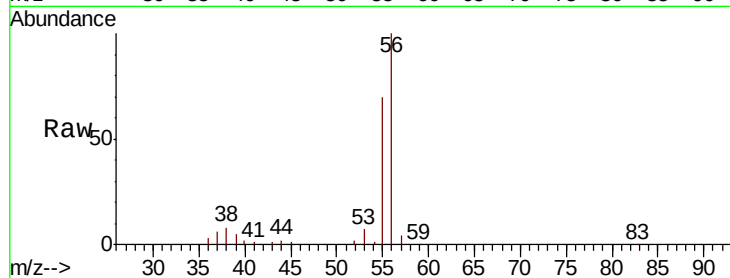
ICVFN022019

Tgt Ion: 56 Resp: 91931

Ion Ratio Lower Upper

56 100

55 70.0 56.3 84.5



#14

Allyl chloride

Concen: 48.407 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

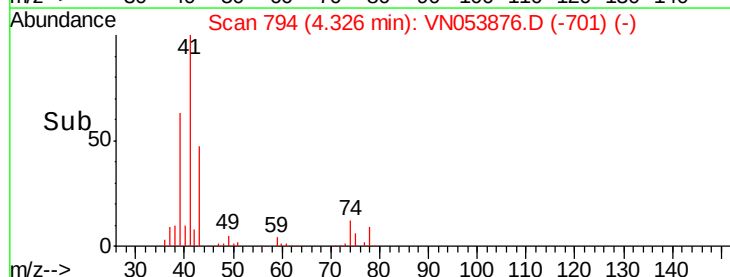
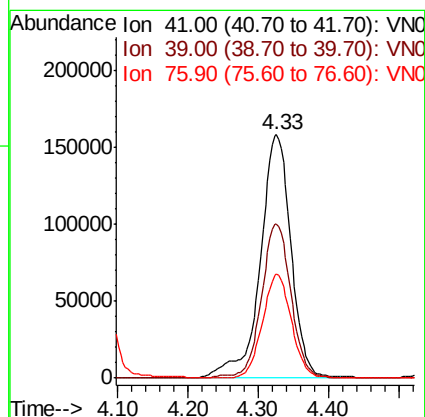
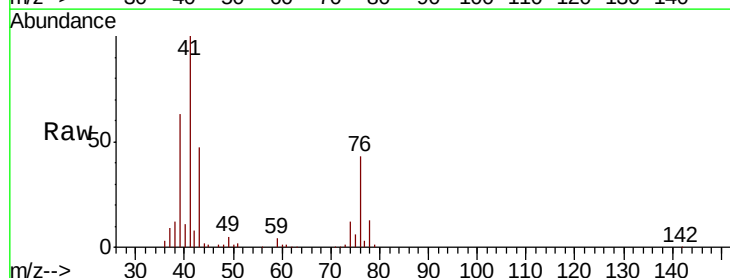
Tgt Ion: 41 Resp: 483045

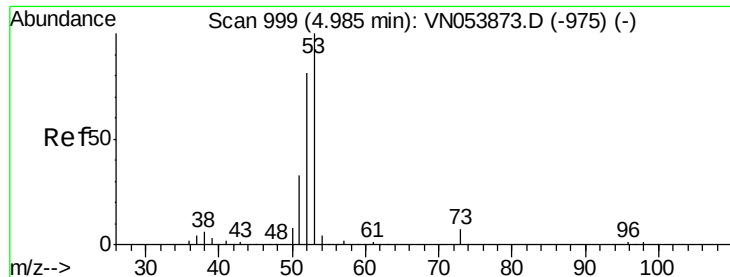
Ion Ratio Lower Upper

41 100

39 60.8 48.8 73.2

76 39.1 30.9 46.3





#15

Acrylonitrile

Concen: 241.562 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

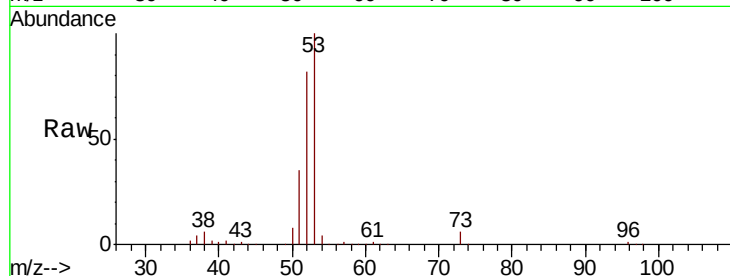
Tgt Ion: 53 Resp: 551616

Ion Ratio Lower Upper

53 100

52 81.4 65.1 97.7

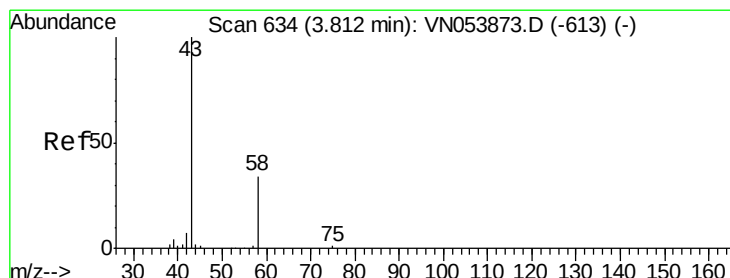
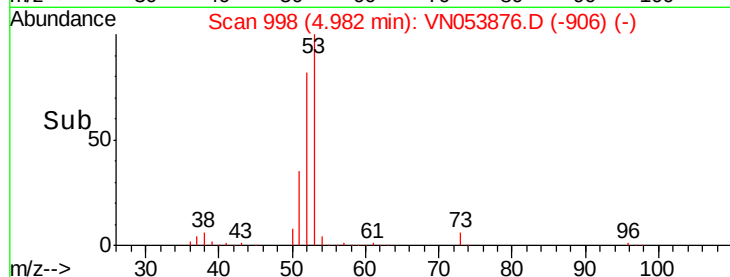
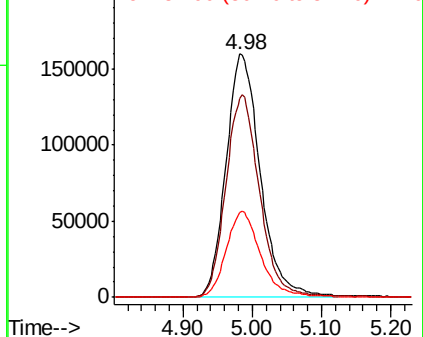
51 35.4 28.2 42.4



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: 240.618 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053876.D

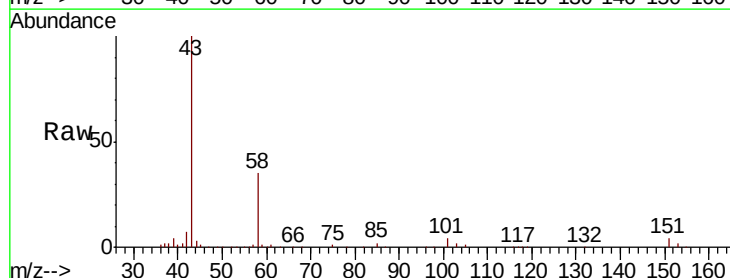
Acq: 20 Feb 2019 11:23

Tgt Ion: 43 Resp: 480510

Ion Ratio Lower Upper

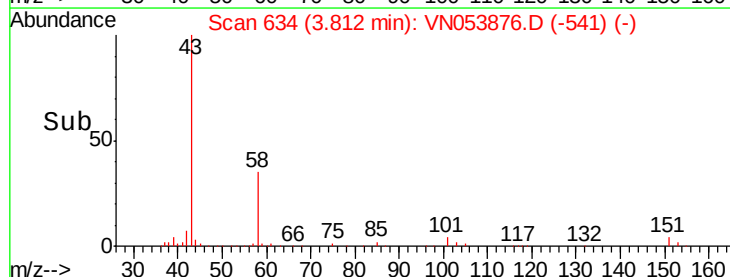
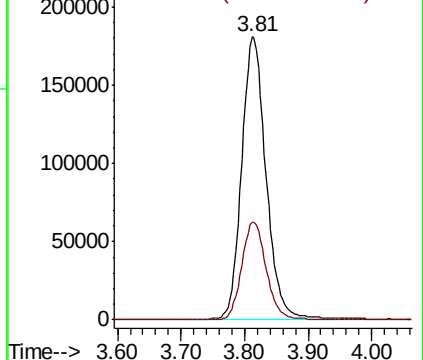
43 100

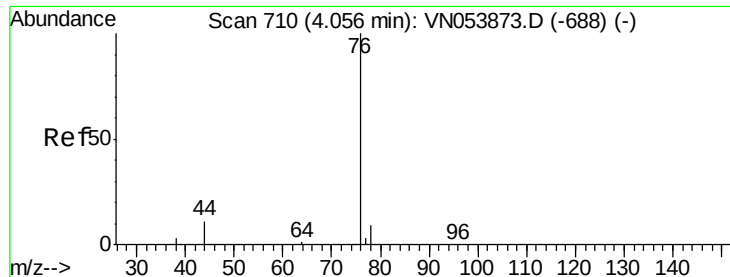
58 34.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.015 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

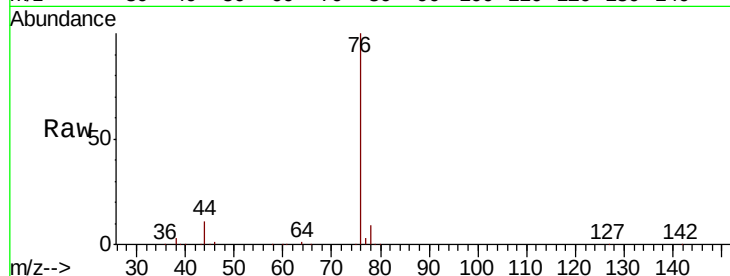
ICVFN022019

Tgt Ion: 76 Resp: 939681

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053876.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053876.D (-617) (-)

4.06

300000

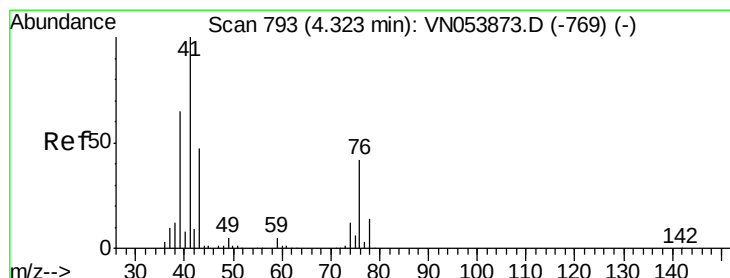
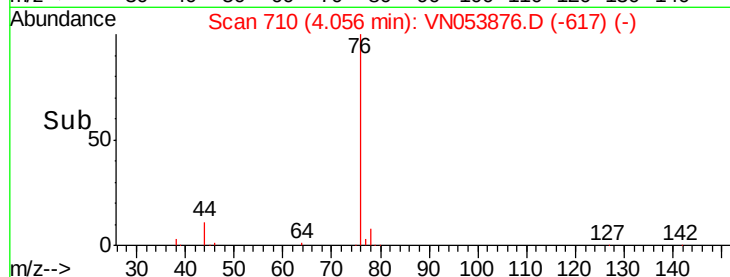
200000

100000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 45.997 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053876.D

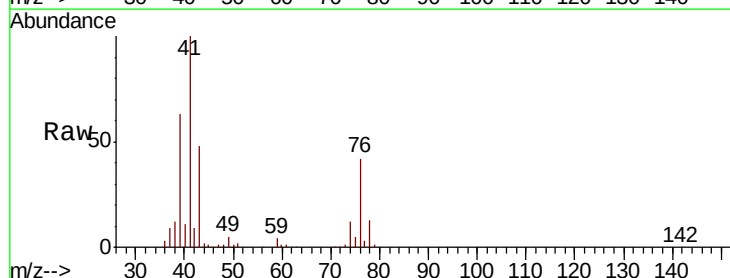
Acq: 20 Feb 2019 11:23

Tgt Ion: 43 Resp: 216787

Ion Ratio Lower Upper

43 100

74 25.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053876.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053876.D (-700) (-)

4.32

80000

60000

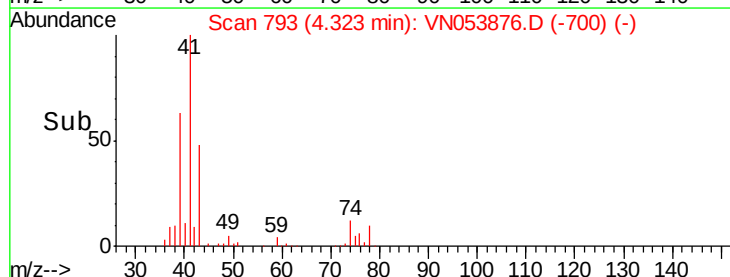
40000

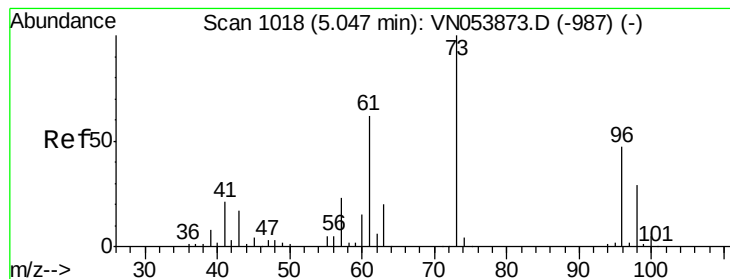
20000

0

4.20 4.30 4.40 4.50

Time-->





#19

Methyl tert-butyl Ether

Concen: 49.500 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

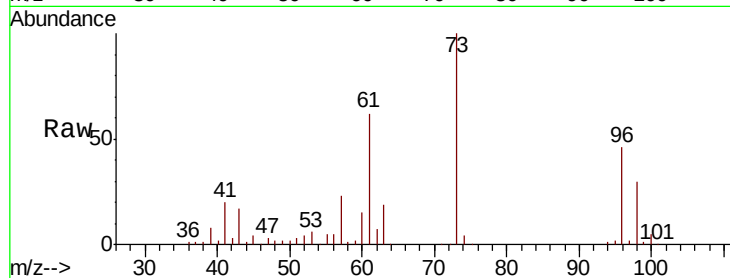
ICVVN022019

Tgt Ion: 73 Resp: 828067

Ion Ratio Lower Upper

73 100

57 23.0 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.04

250000

200000

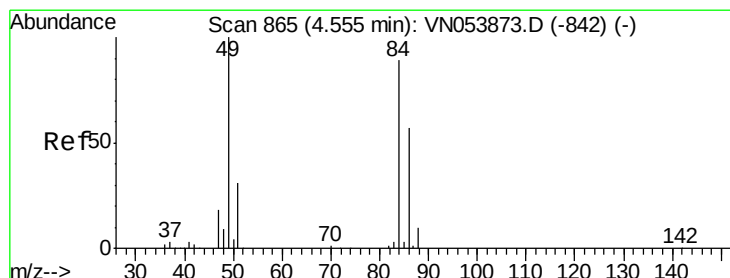
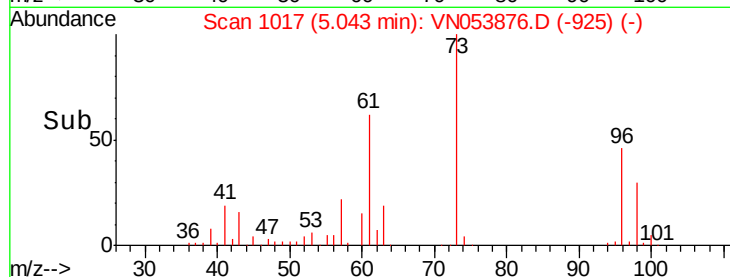
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 45.242 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion: 84 Resp: 338247

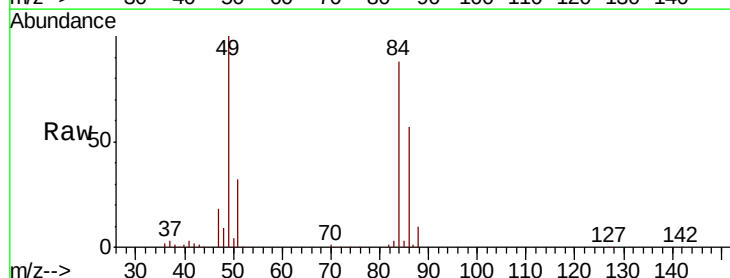
Ion Ratio Lower Upper

84 100

49 113.7 89.7 134.5

51 36.2 27.8 41.8

86 64.7 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

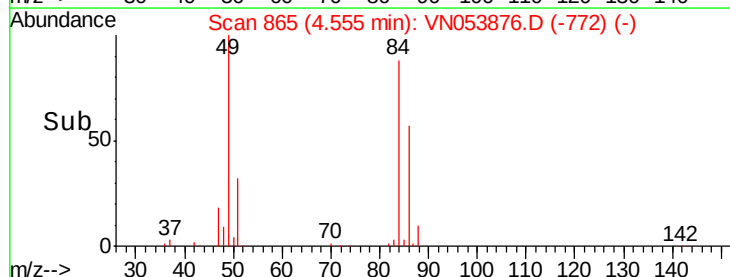
150000

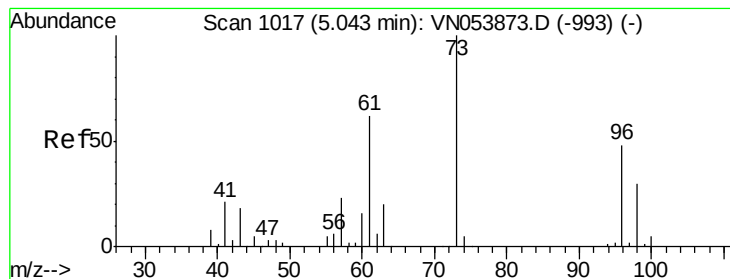
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.598 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

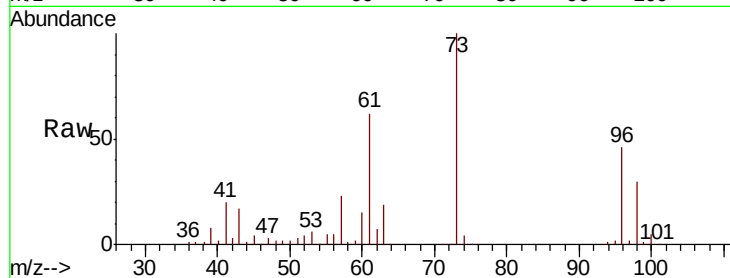
Tgt Ion: 96 Resp: 329387

Ion Ratio Lower Upper

96 100

61 136.4 104.5 156.7

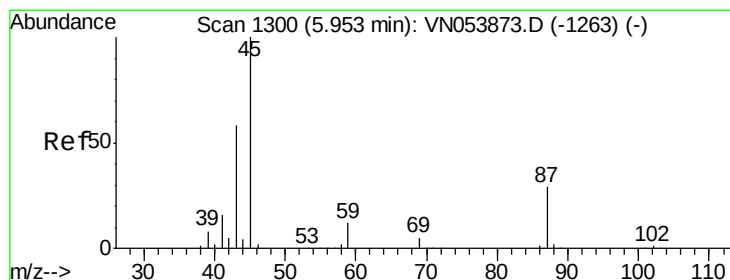
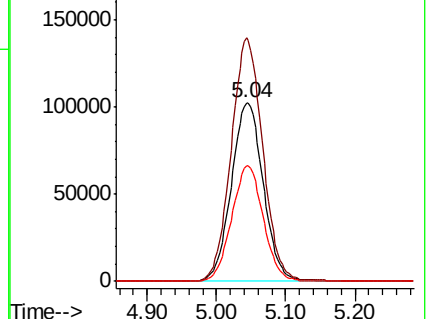
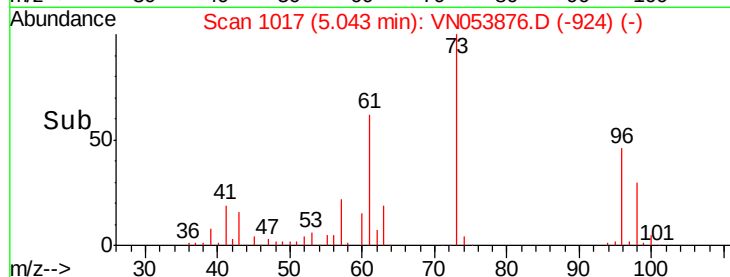
98 64.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.408 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Tgt Ion: 45 Resp: 919074

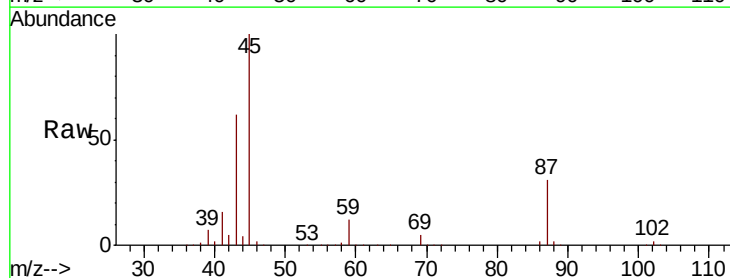
Ion Ratio Lower Upper

45 100

43 59.1 46.2 69.4

87 30.2 23.4 35.0

59 12.1 9.4 14.0

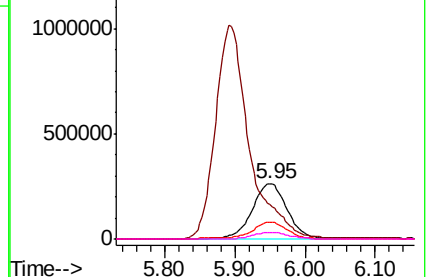
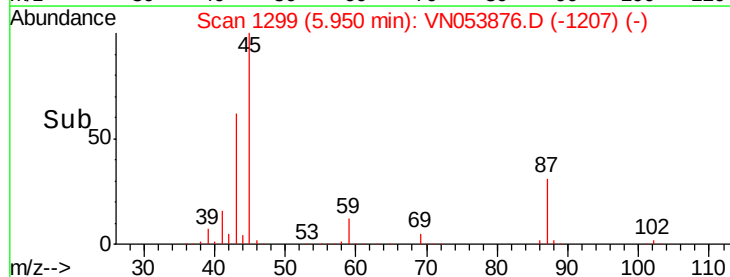


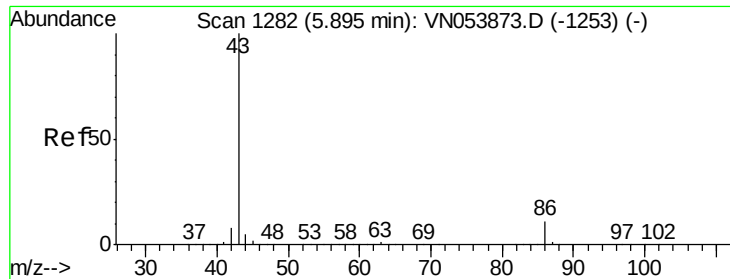
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 257.513 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

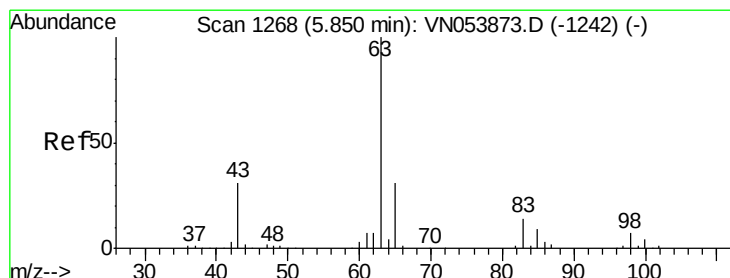
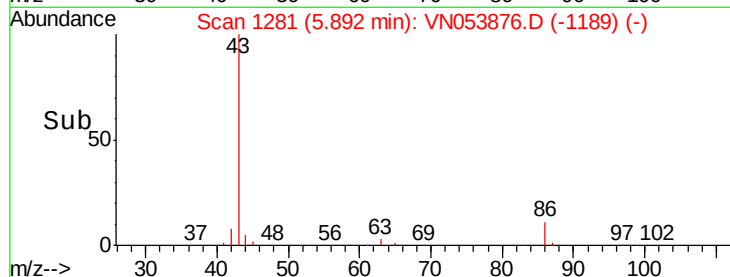
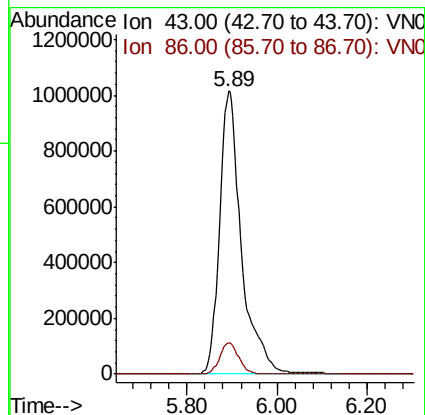
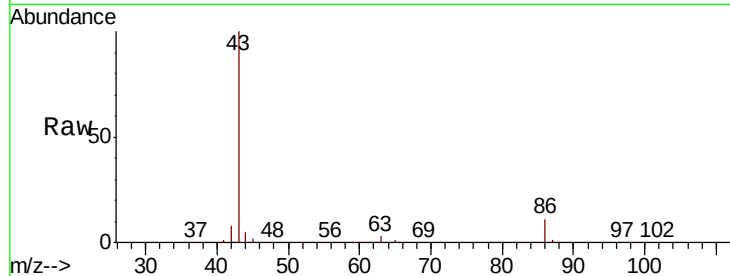
ICVVN022019

Tgt Ion: 43 Resp: 3443648

Ion Ratio Lower Upper

43 100

86 11.2 9.1 13.7



#24

1,1-Dichloroethane

Concen: 46.481 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

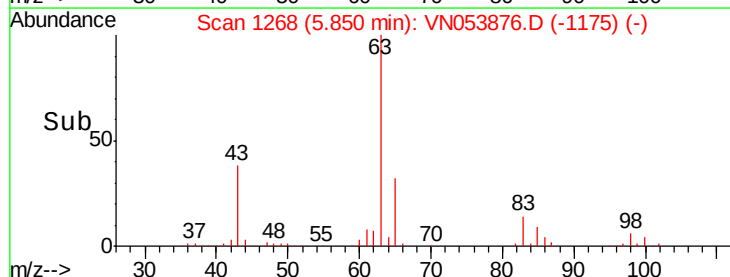
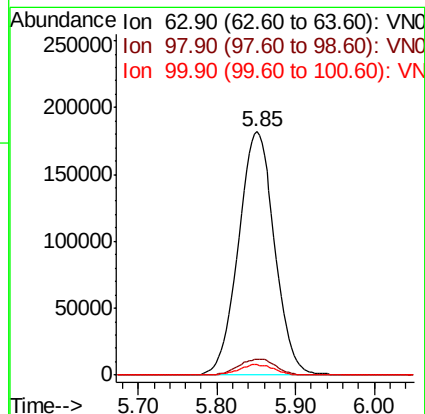
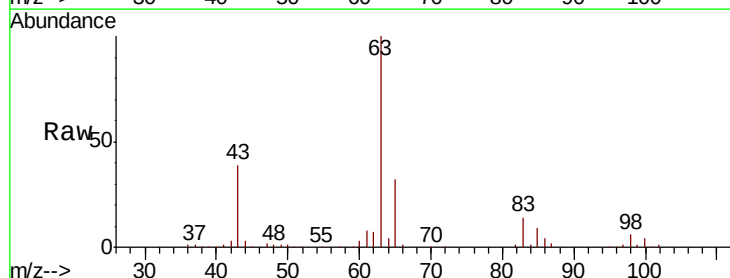
Tgt Ion: 63 Resp: 585398

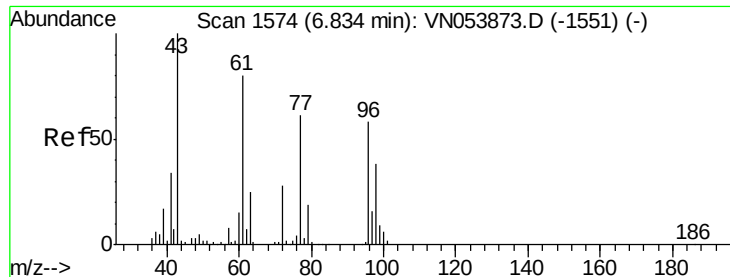
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 244.784 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

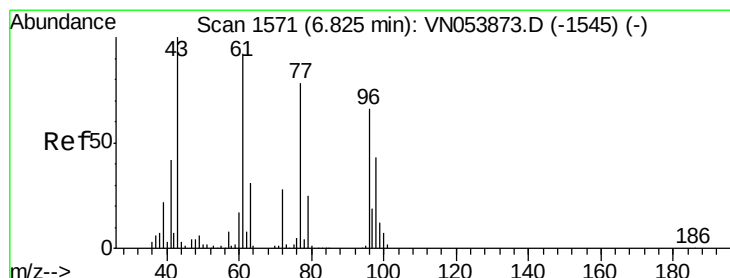
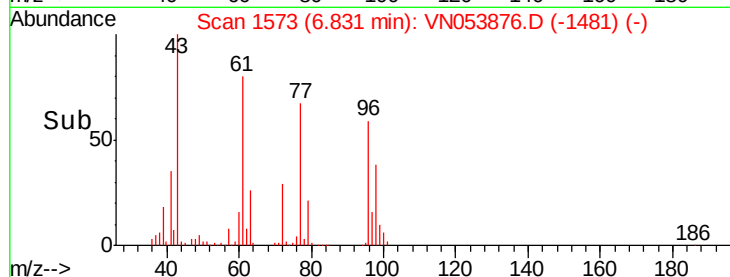
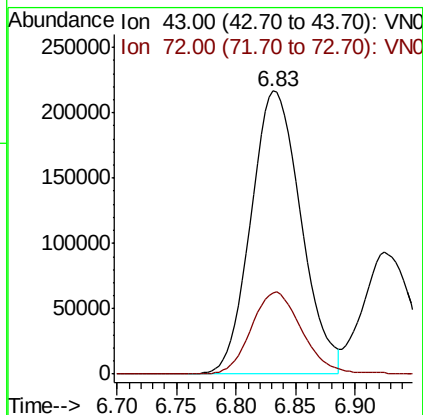
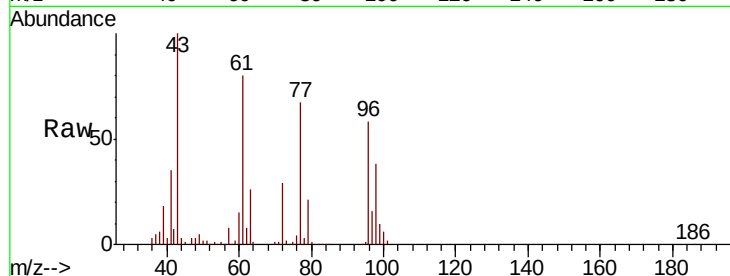
ICVVN022019

Tgt Ion: 43 Resp: 630774

Ion Ratio Lower Upper

43 100

72 28.9 22.1 33.1



#26

2,2-Dichloropropane

Concen: 48.968 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053876.D

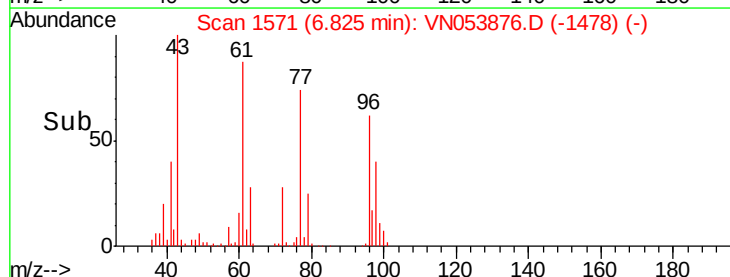
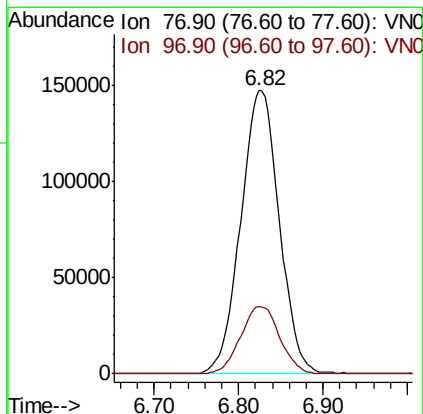
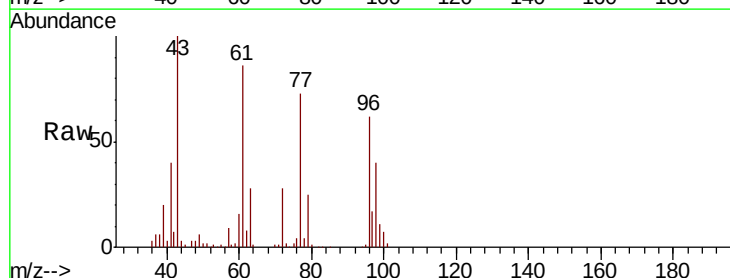
Acq: 20 Feb 2019 11:23

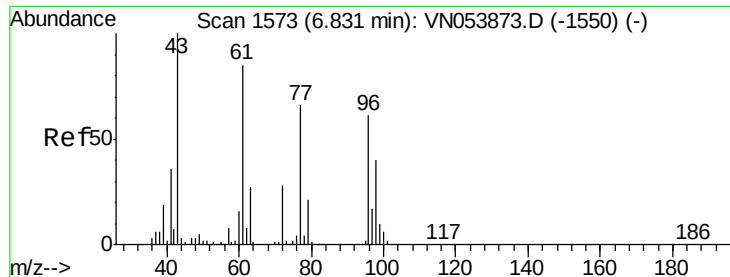
Tgt Ion: 77 Resp: 467983

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.771 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

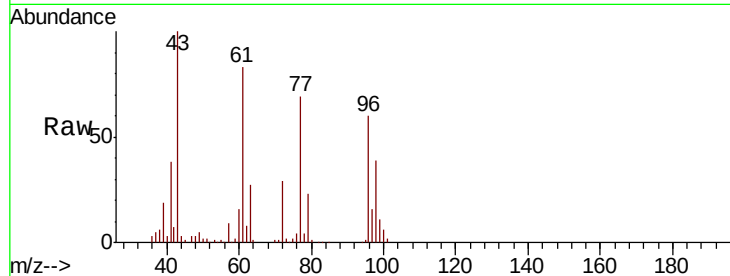
Tgt Ion: 96 Resp: 370329

Ion Ratio Lower Upper

96 100

61 138.3 0.0 275.6

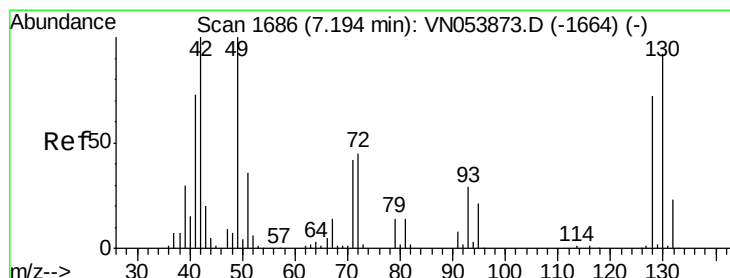
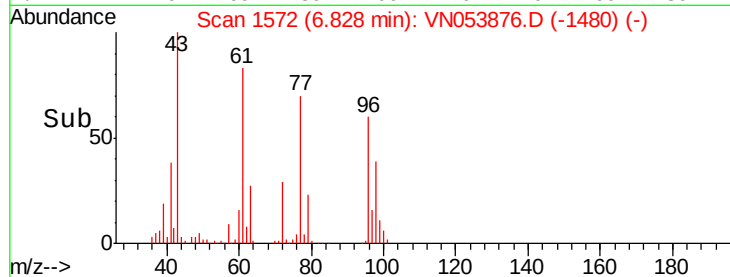
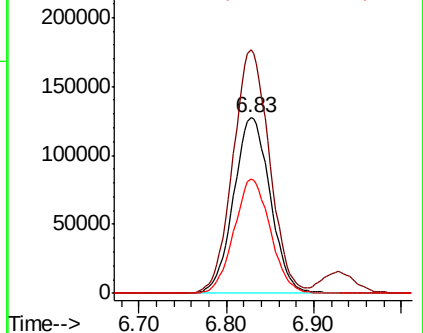
98 64.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.154 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

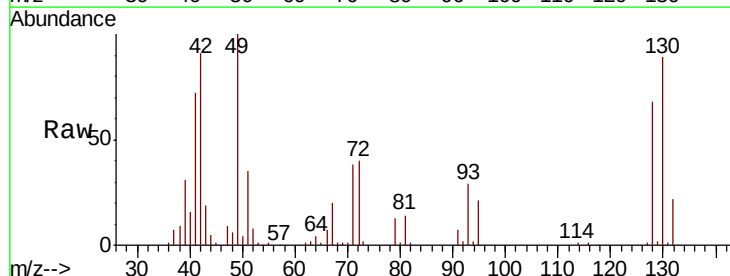
Tgt Ion: 49 Resp: 264687

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

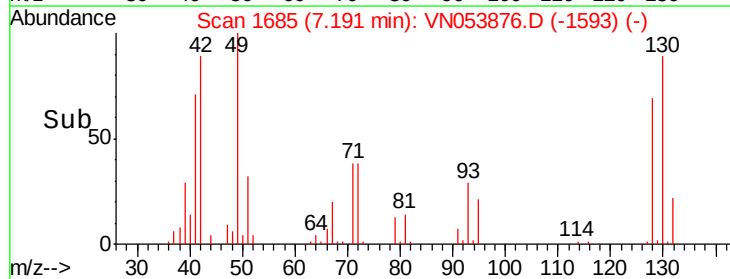
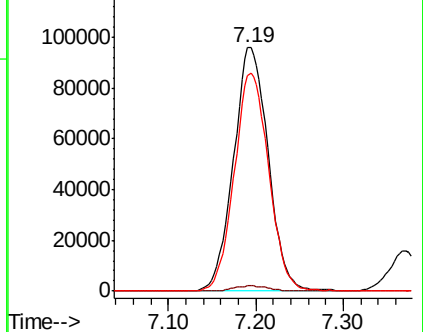
130 88.6 72.9 109.3

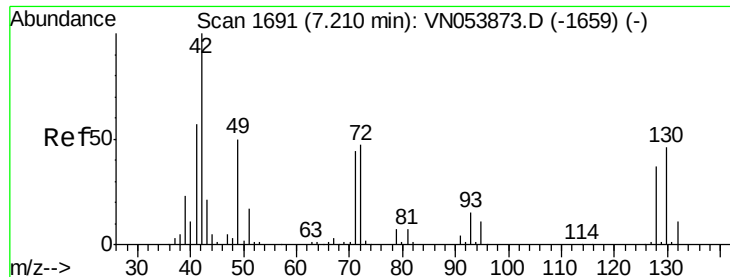


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 241.748 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

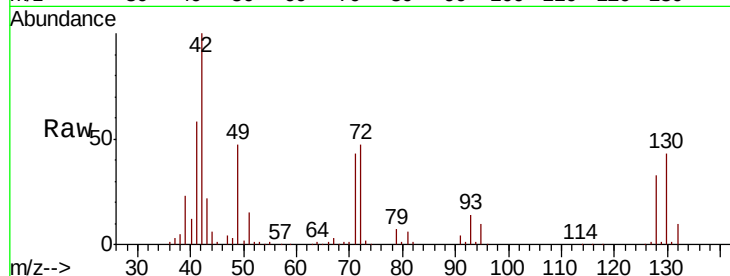
Tgt Ion: 42 Resp: 402876

Ion Ratio Lower Upper

42 100

72 46.3 36.9 55.3

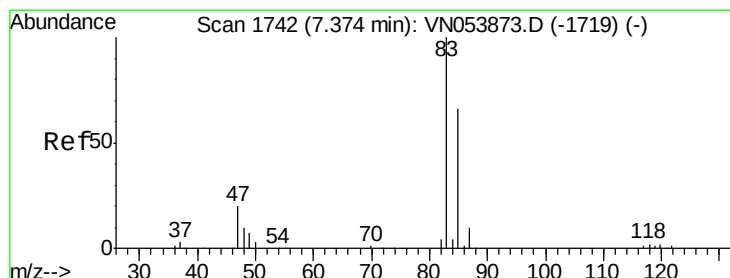
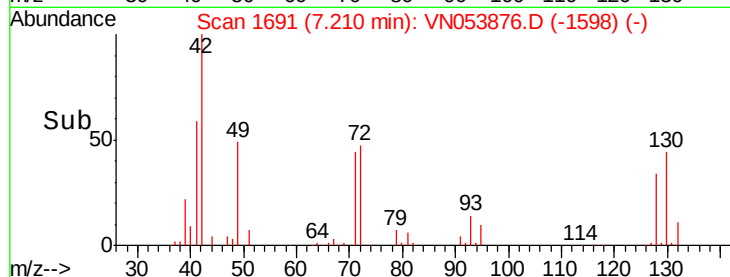
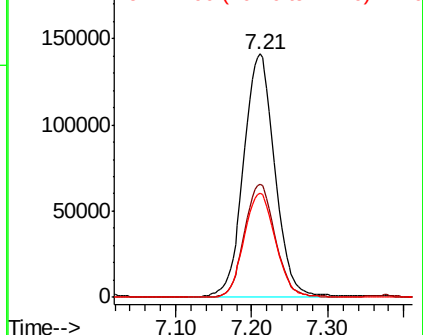
71 43.3 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 46.317 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053876.D

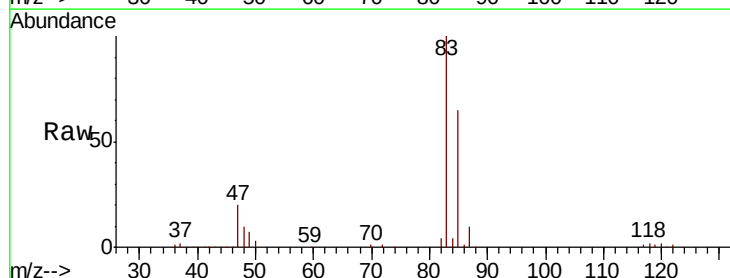
Acq: 20 Feb 2019 11:23

Tgt Ion: 83 Resp: 586137

Ion Ratio Lower Upper

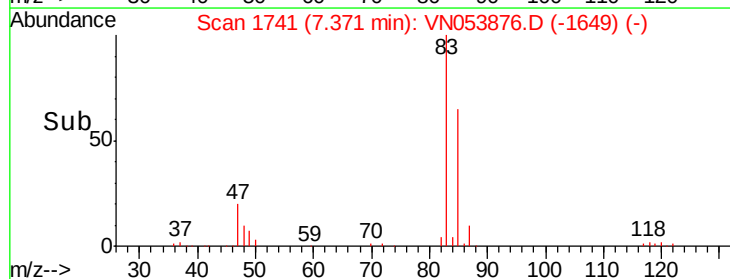
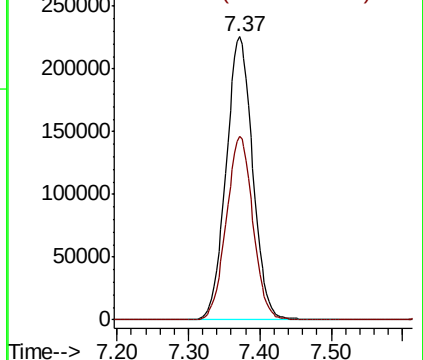
83 100

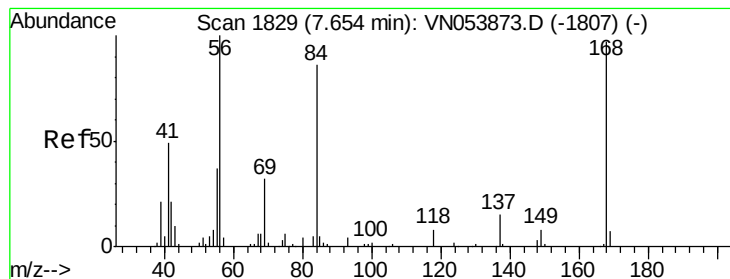
85 64.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.791 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

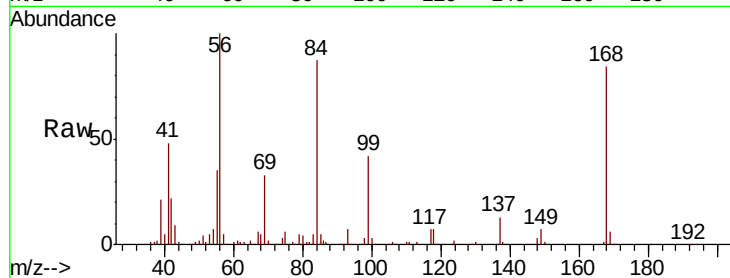
Tgt Ion: 56 Resp: 562815

Ion Ratio Lower Upper

56 100

69 32.6 26.0 39.0

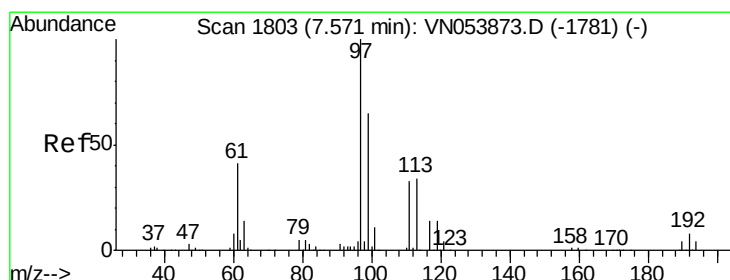
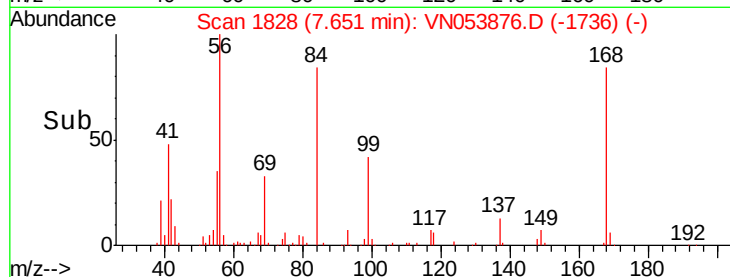
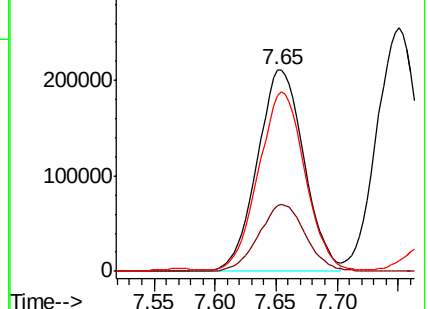
84 85.9 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 46.248 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

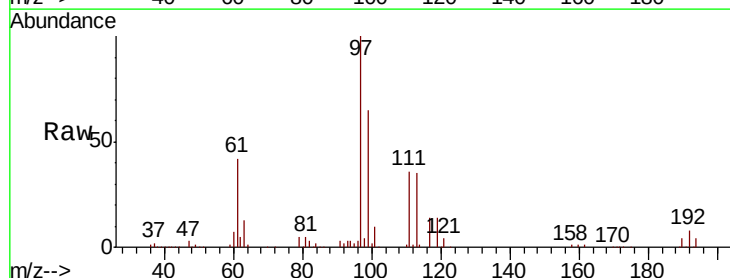
Tgt Ion: 97 Resp: 500751

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

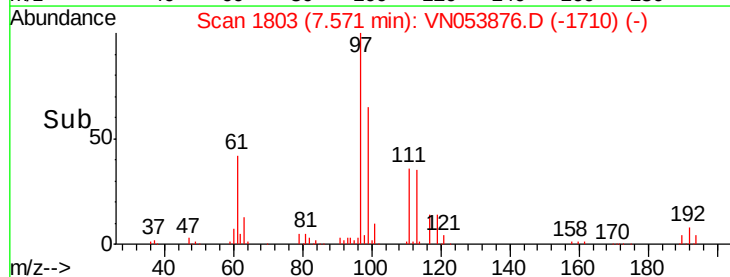
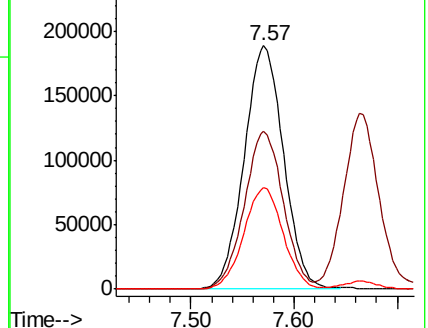
61 41.7 33.2 49.8

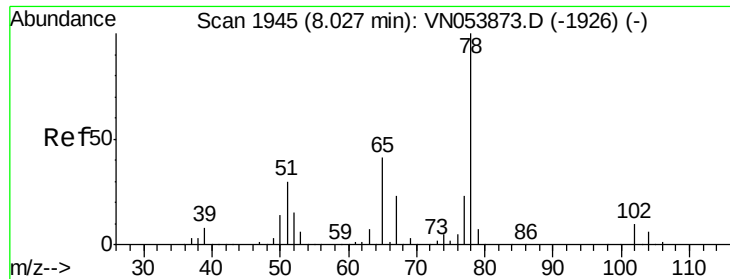


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

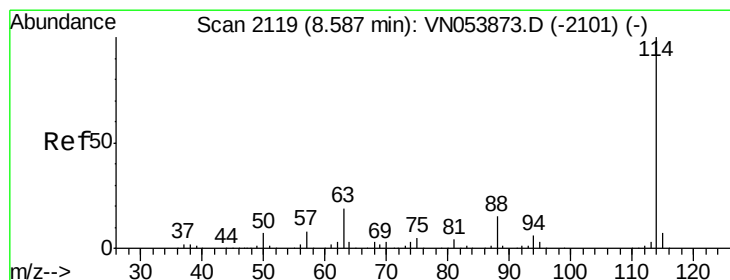
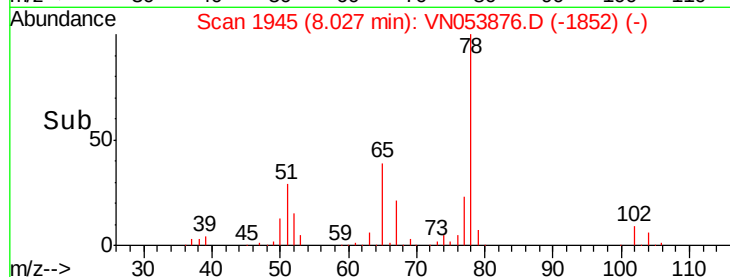
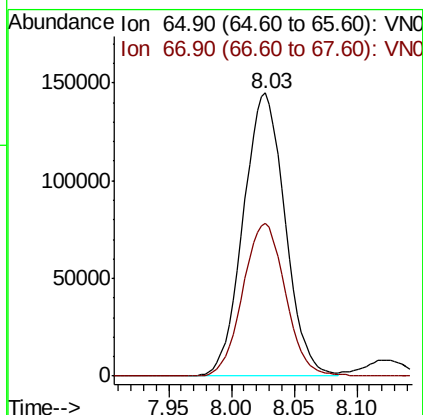
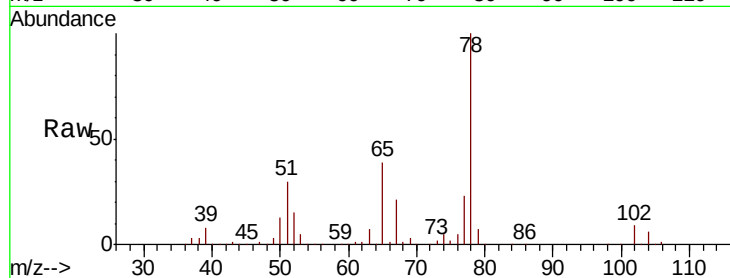




#33
 1,2-Dichloroethane-d4
 Concen: 46.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

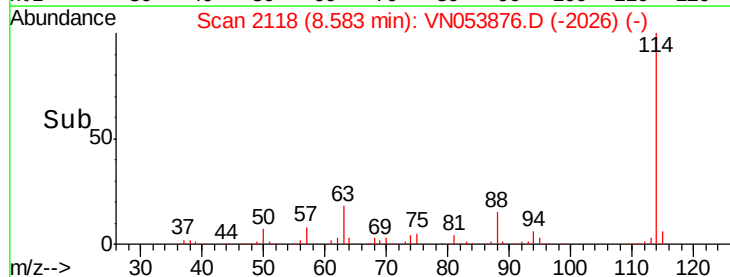
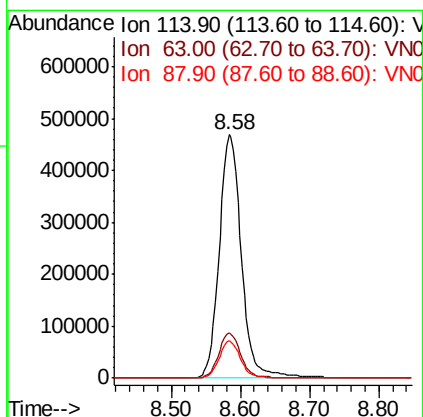
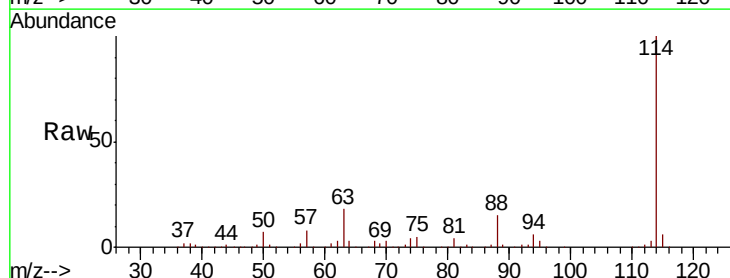
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

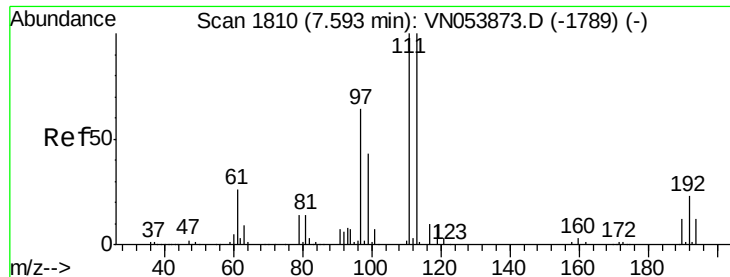
Tgt Ion: 65 Resp: 336240
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 114 Resp: 1041406
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.4
 88 15.4 0.0 30.4

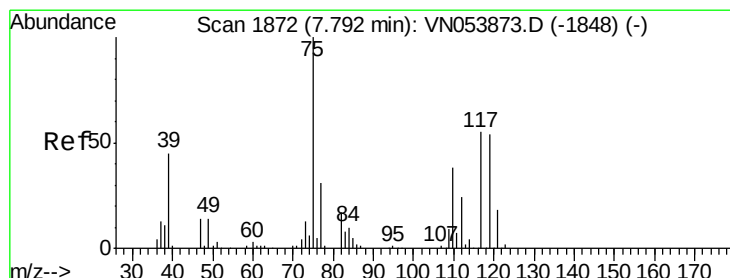
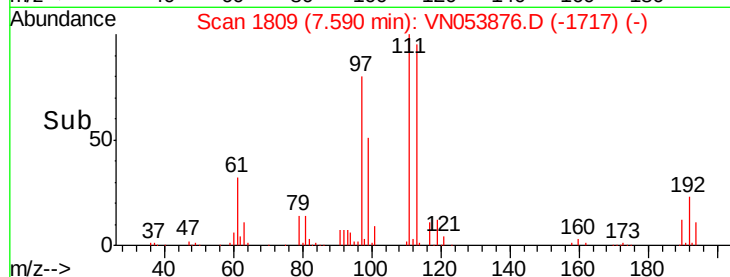
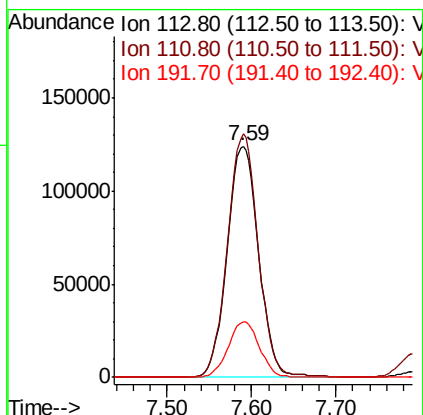
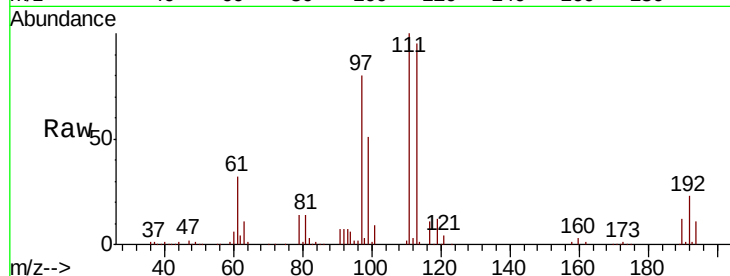




#35
 Dibromofluoromethane
 Concen: 47.250 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

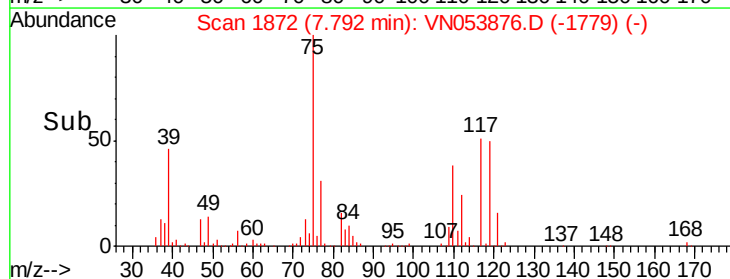
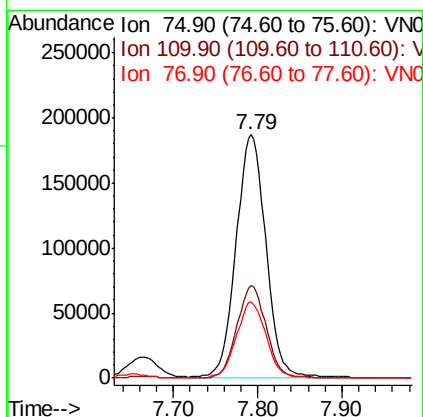
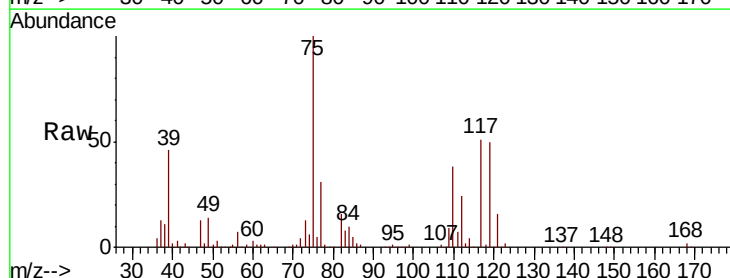
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

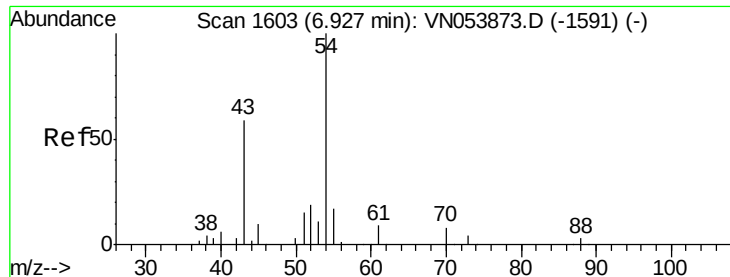
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 48.021 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.0	57.0
77	31.4	25.4	38.0

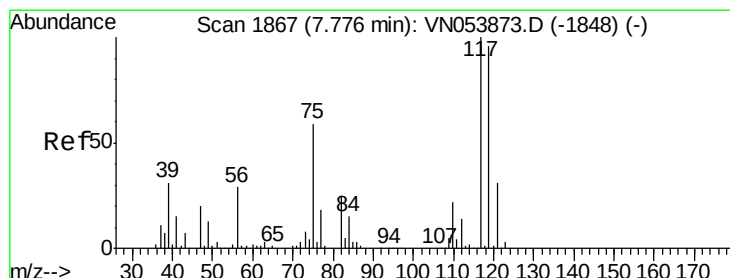
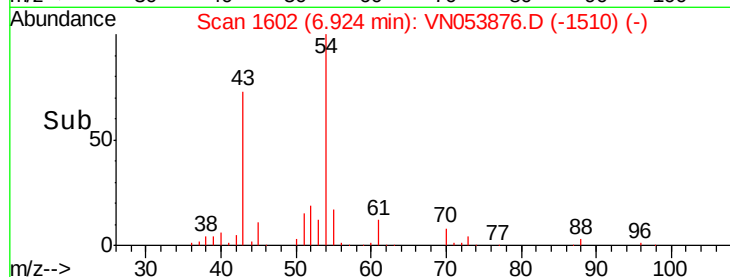
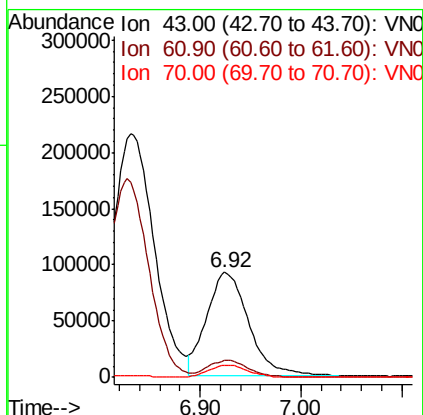
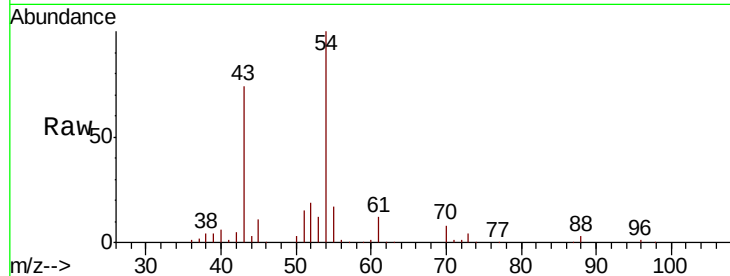




#37
Ethyl Acetate
Concen: 46.602 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

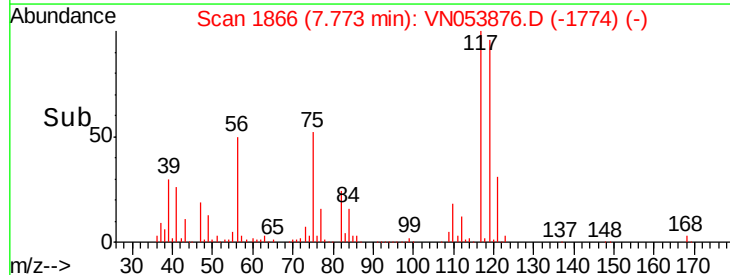
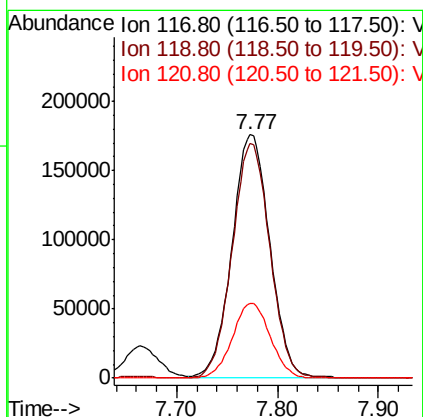
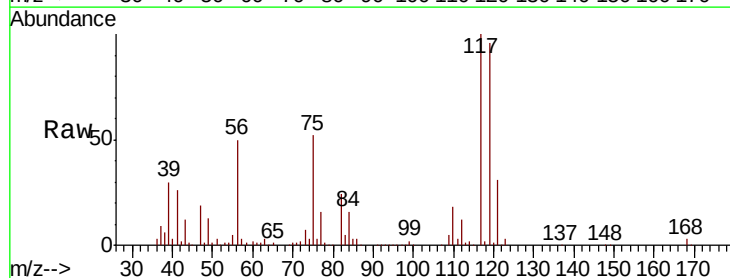
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

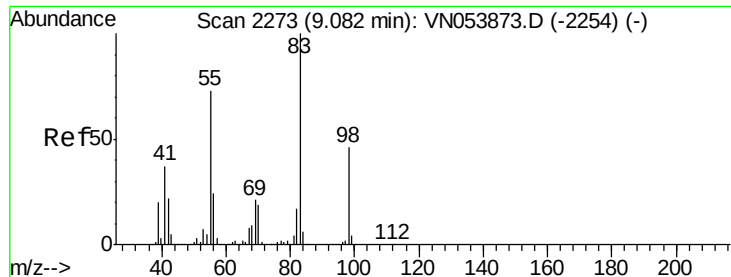
Tgt Ion: 43 Resp: 267679
Ion Ratio Lower Upper
43 100
61 15.8 12.0 18.0
70 11.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.664 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 117 Resp: 454219
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.2
121 31.0 24.6 36.8

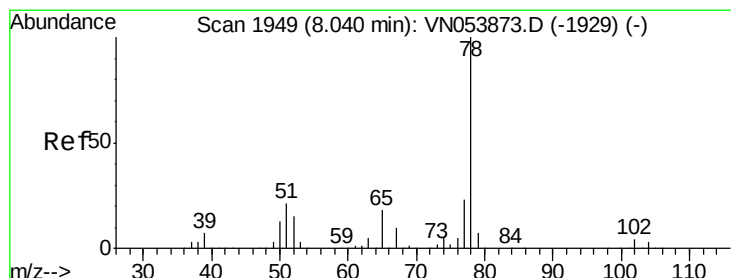
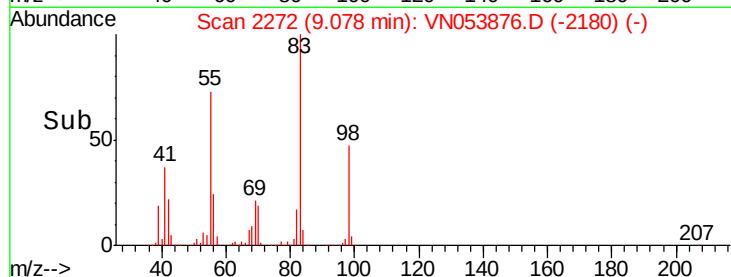
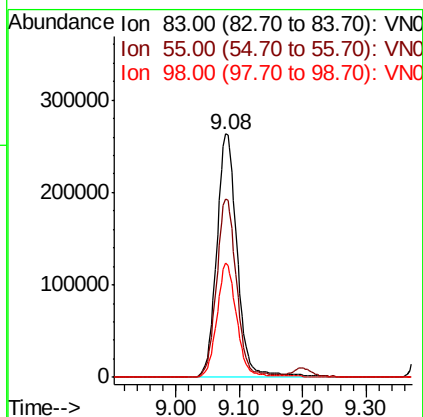
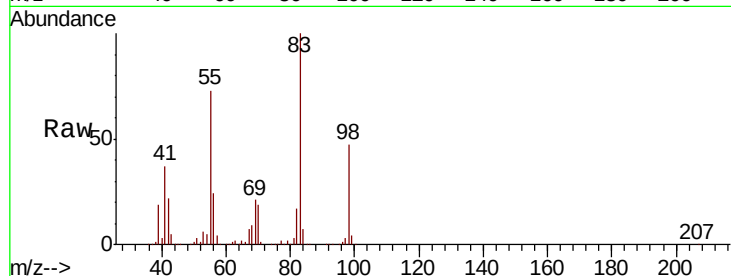




#39
Methylcyclohexane
Concen: 53.601 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

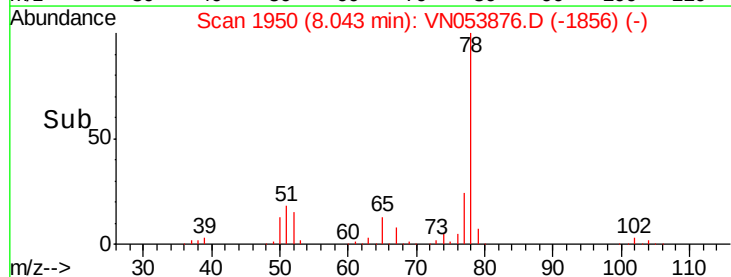
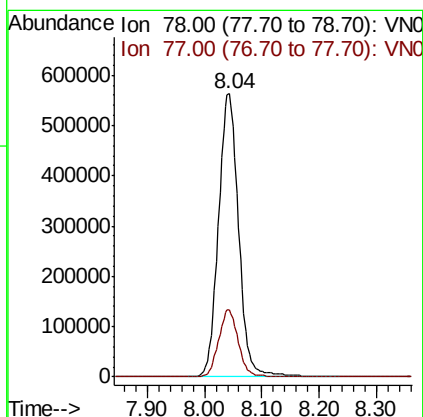
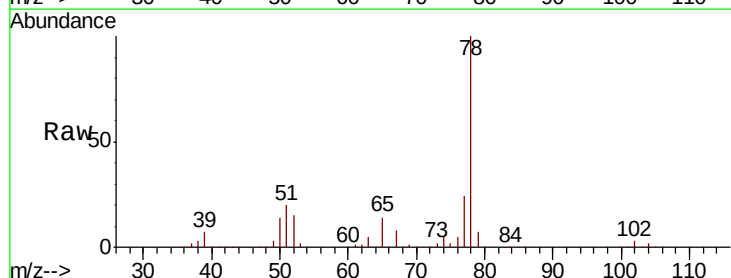
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

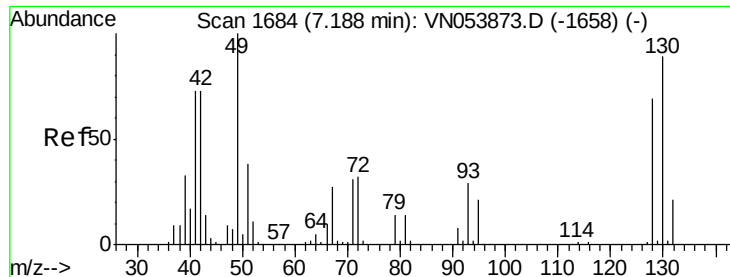
Tgt Ion: 83 Resp: 589584
Ion Ratio Lower Upper
83 100
55 73.5 58.2 87.4
98 46.8 37.2 55.8



#40
Benzene
Concen: 48.717 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 78 Resp: 1374768
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 46.852 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

Tgt Ion: 41 Resp: 146889

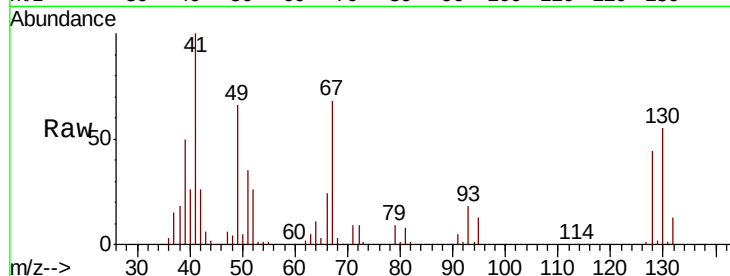
Ion Ratio Lower Upper

41 100

39 57.8 0.0 0.0#

67 87.0 0.0 0.0#

52 34.0 0.0 0.0#

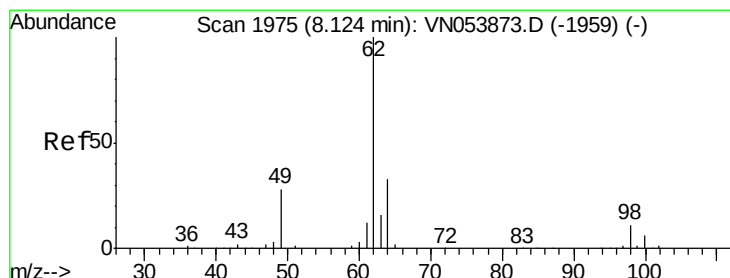
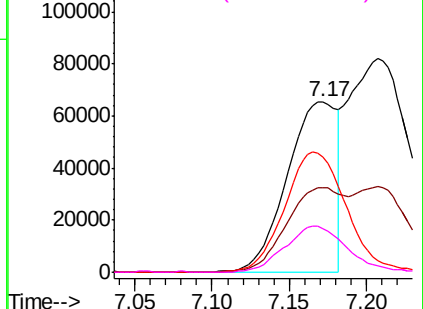
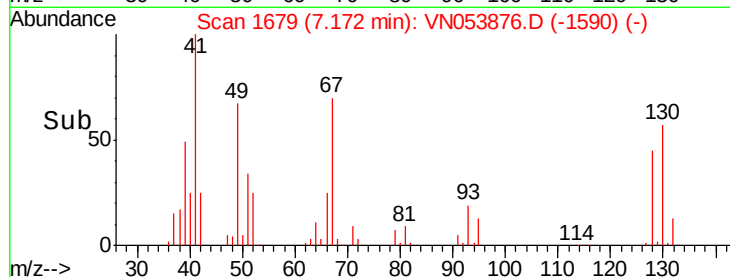


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.835 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053876.D

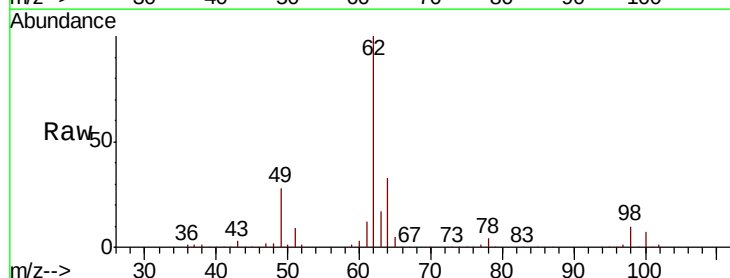
Acq: 20 Feb 2019 11:23

Tgt Ion: 62 Resp: 402422

Ion Ratio Lower Upper

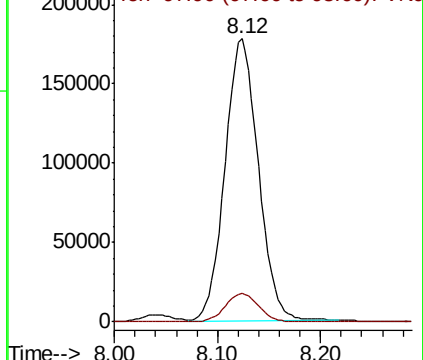
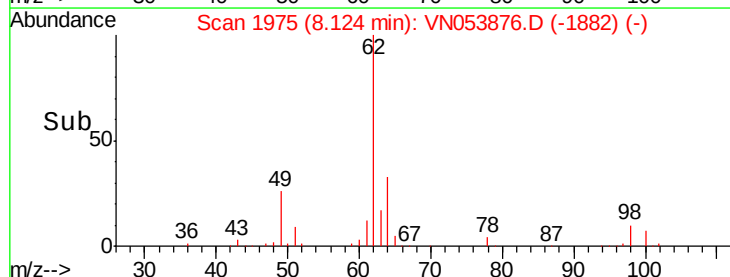
62 100

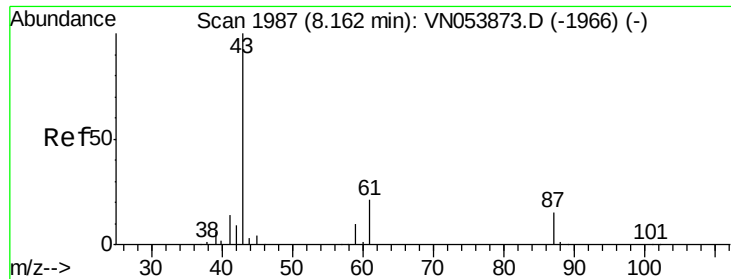
98 10.2 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

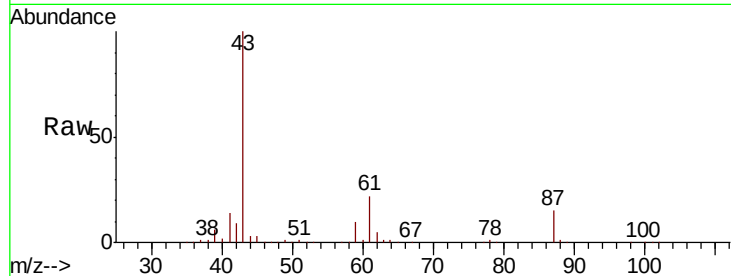




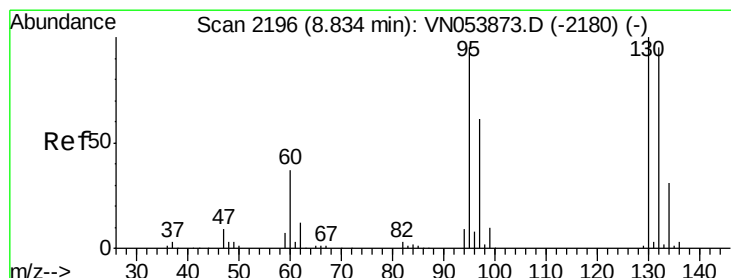
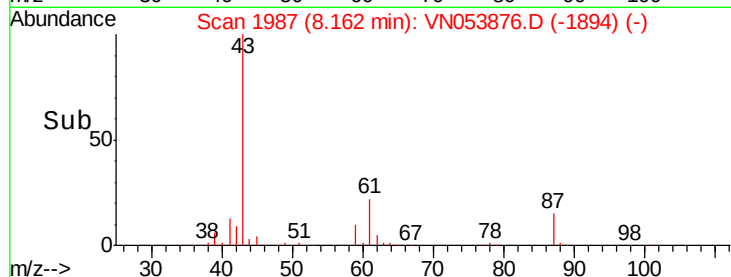
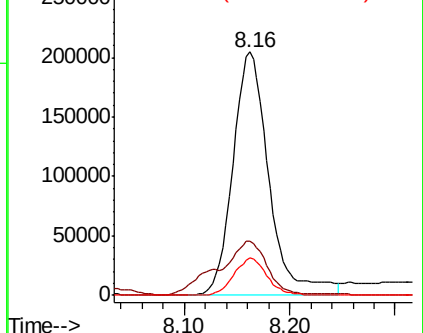
#43
Isopropyl Acetate
Concen: 47.575 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tgt Ion: 43 Resp: 484404
Ion Ratio Lower Upper
43 100
61 20.7 17.4 26.0
87 14.2 11.5 17.3

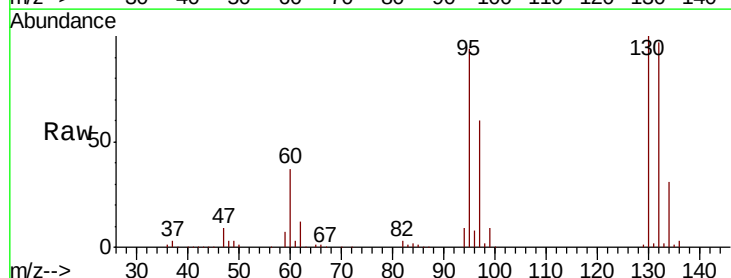


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

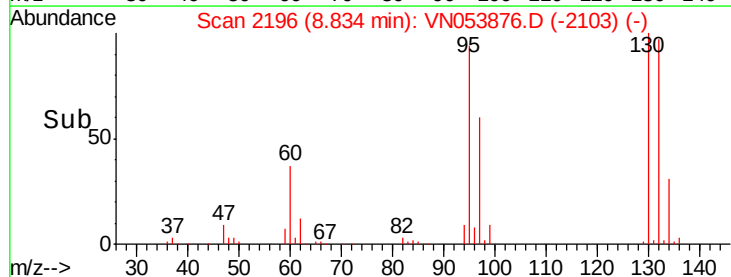
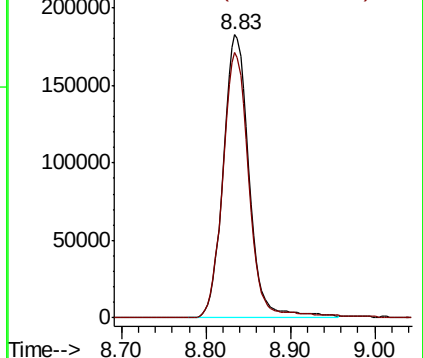


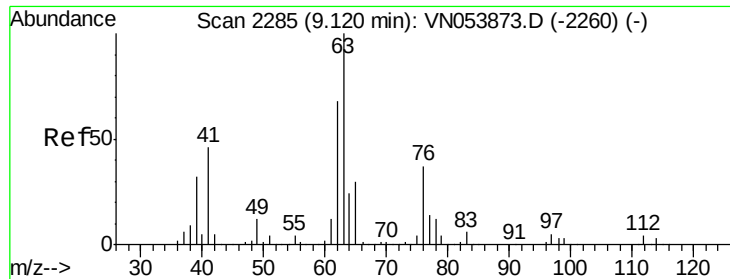
#44
Trichloroethene
Concen: 49.378 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 130 Resp: 390079
Ion Ratio Lower Upper
130 100
95 93.7 0.0 190.0



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

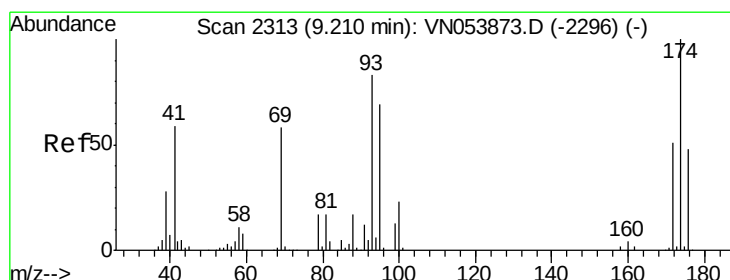
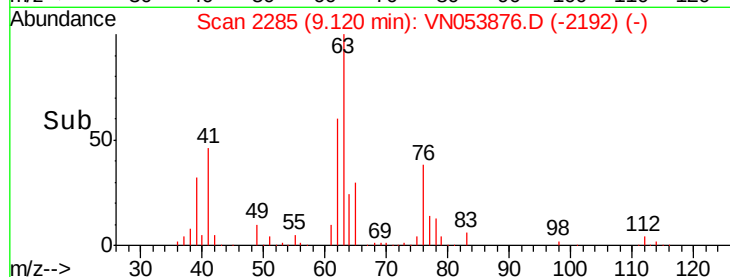
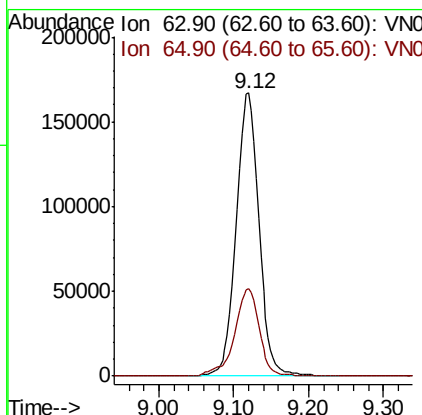
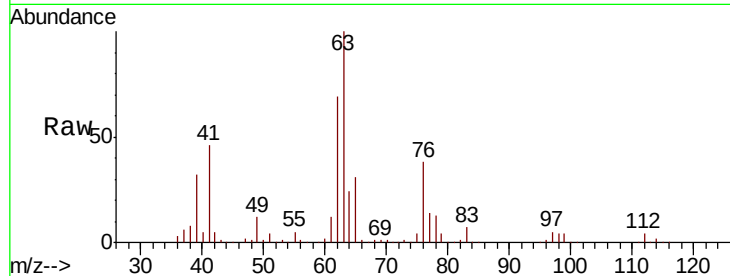




#45
 1,2-Dichloropropane
 Concen: 49.380 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

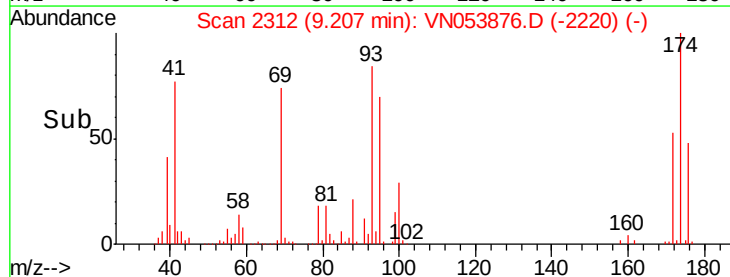
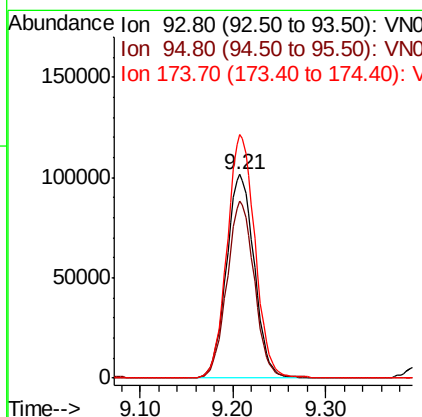
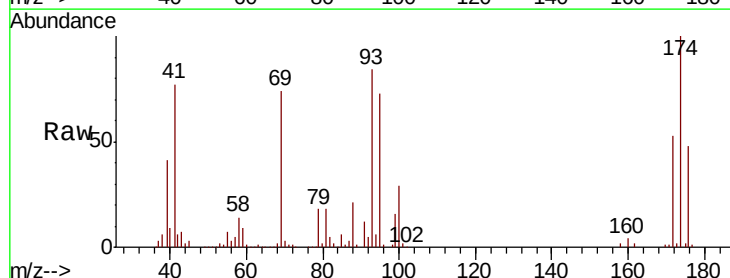
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

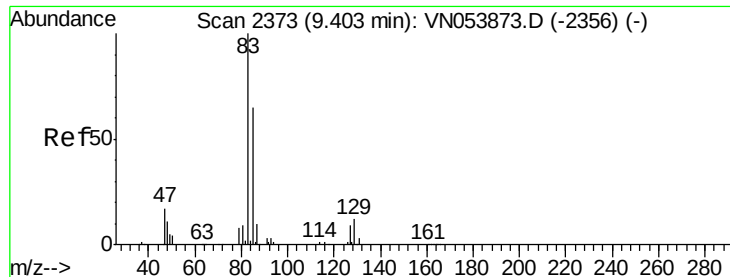
Tgt Ion: 63 Resp: 355763
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5



#46
 Dibromomethane
 Concen: 48.977 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 93 Resp: 212463
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.6 100.0
 174 119.0 96.2 144.4





#47

Bromodichloromethane

Concen: 49.140 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVFN022019

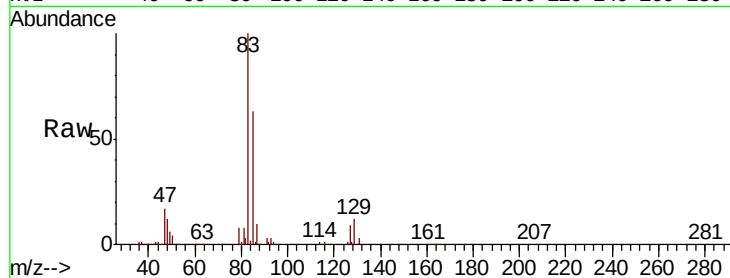
Tgt Ion: 83 Resp: 449701

Ion Ratio Lower Upper

83 100

85 63.0 51.8 77.6

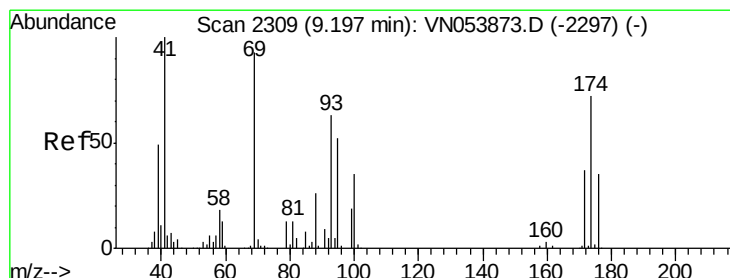
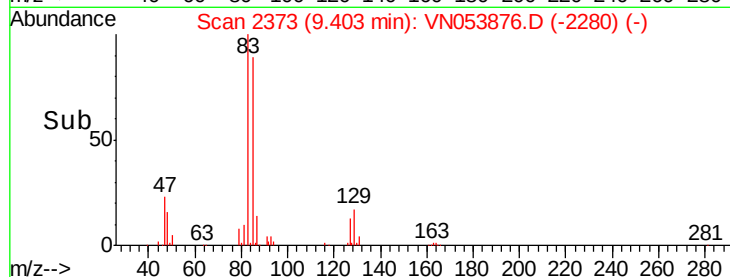
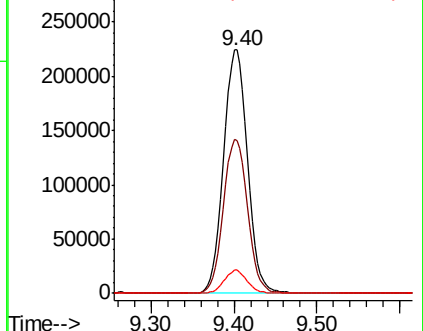
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053876.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053876.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053876.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.641 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

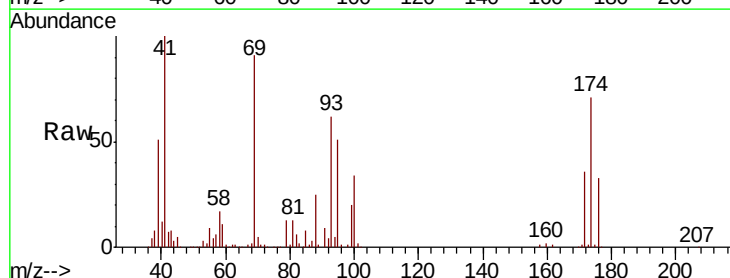
Tgt Ion: 41 Resp: 225442

Ion Ratio Lower Upper

41 100

69 100.2 74.8 112.2

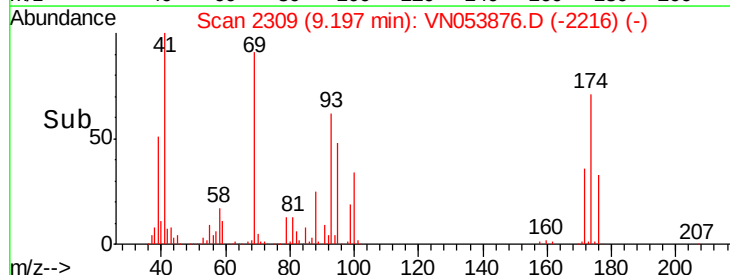
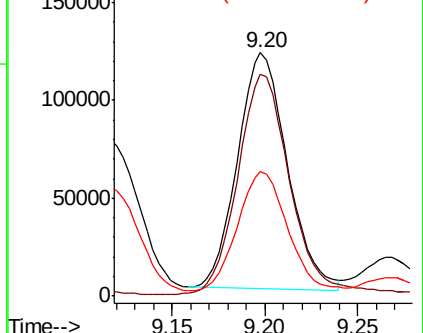
39 51.3 39.0 58.6

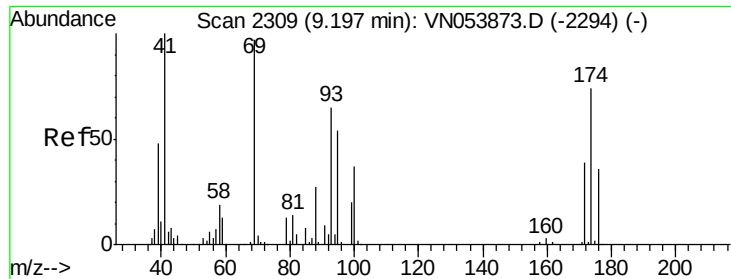


Abundance Ion 41.00 (40.70 to 41.70): VN053876.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053876.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053876.D (-2216) (-)

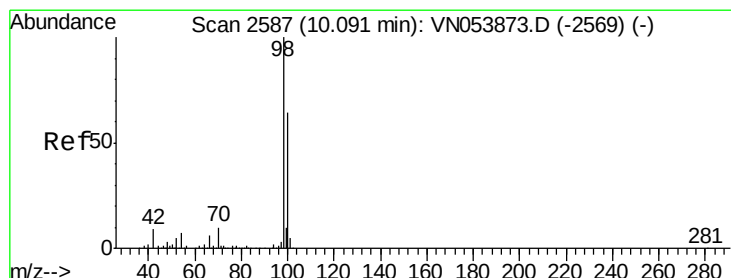
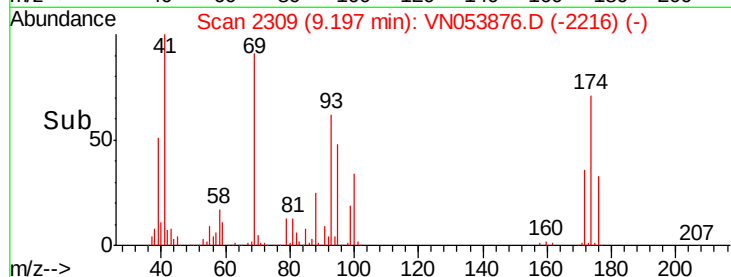
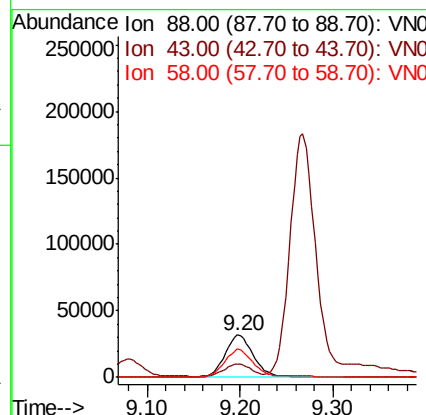
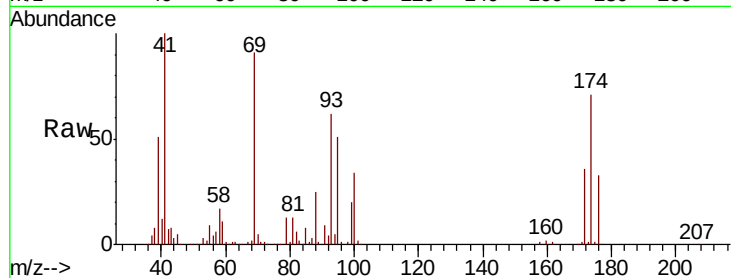




#49
1,4-Dioxane
Concen: 967.787 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

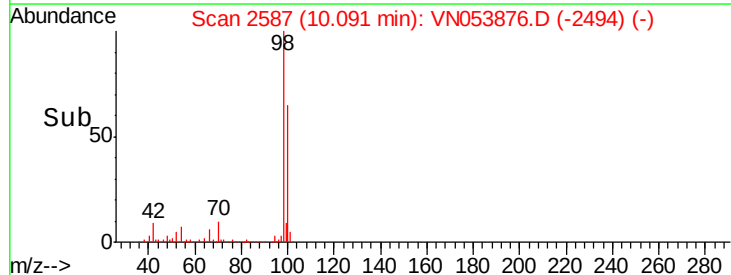
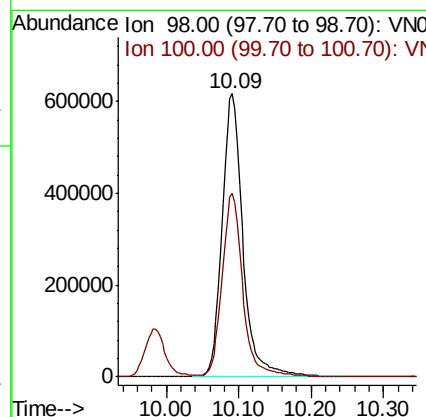
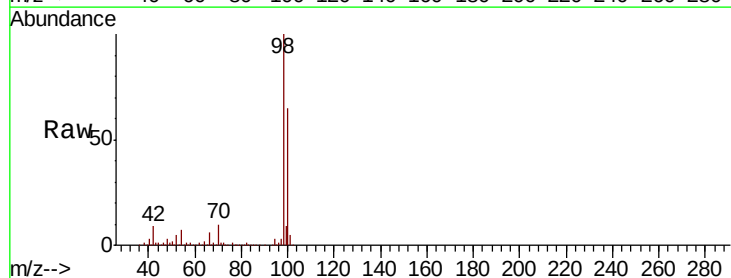
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

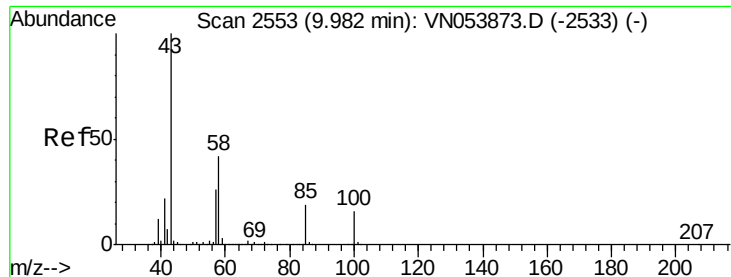
Tgt Ion: 88 Resp: 68370
Ion Ratio Lower Upper
88 100
43 29.1 21.2 31.8
58 65.9 54.2 81.2



#50
Toluene-d8
Concen: 49.737 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 98 Resp: 1227747
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

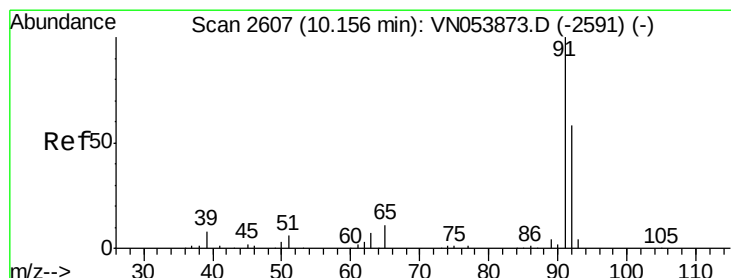
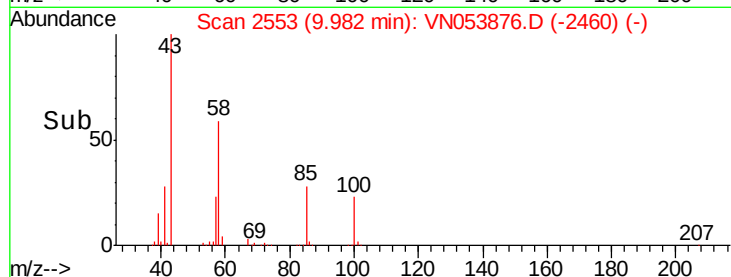
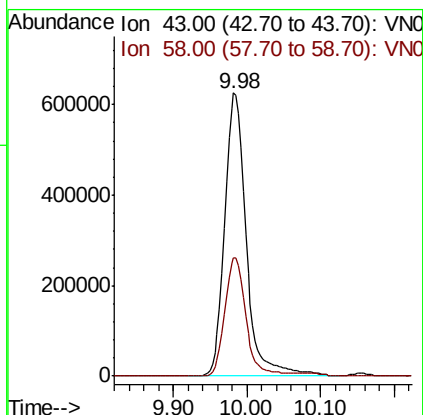
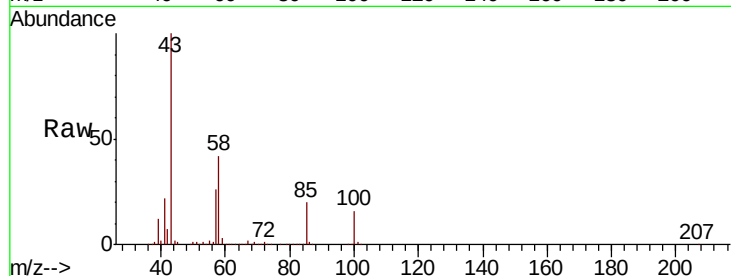




#51
 4-Methyl-2-Pentanone
 Concen: 244.143 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

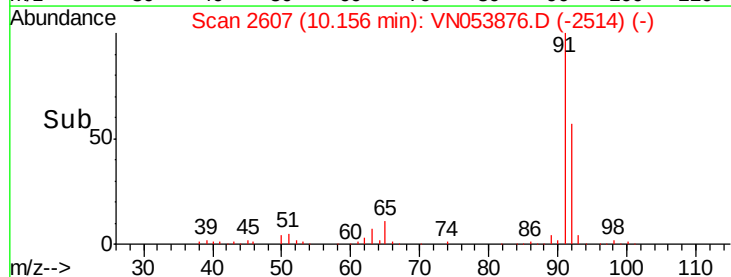
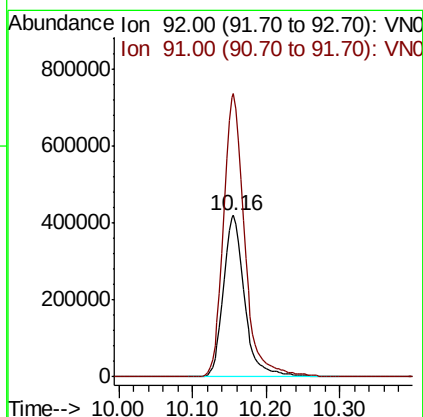
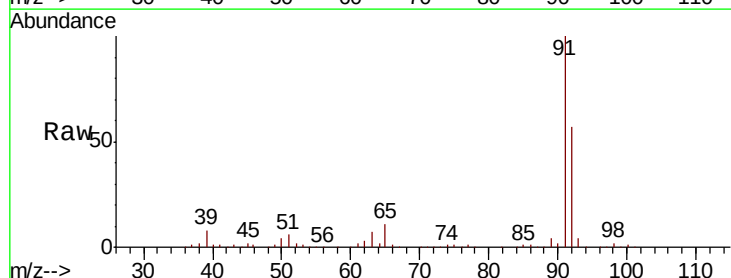
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

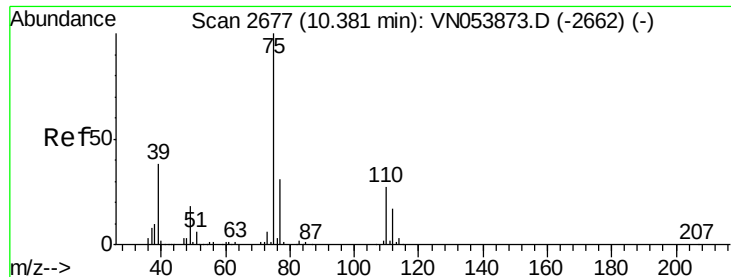
Tgt Ion: 43 Resp: 1276383
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.7 49.1



#52
 Toluene
 Concen: 50.076 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 92 Resp: 837436
 Ion Ratio Lower Upper
 92 100
 91 175.5 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 52.148 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

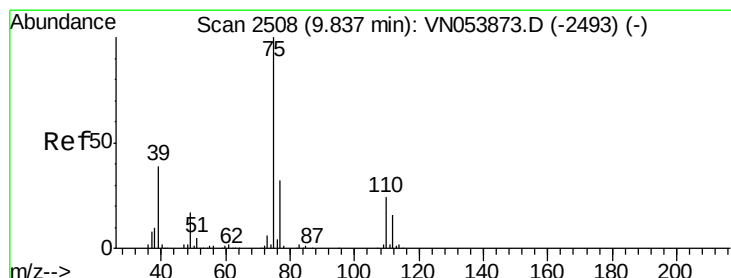
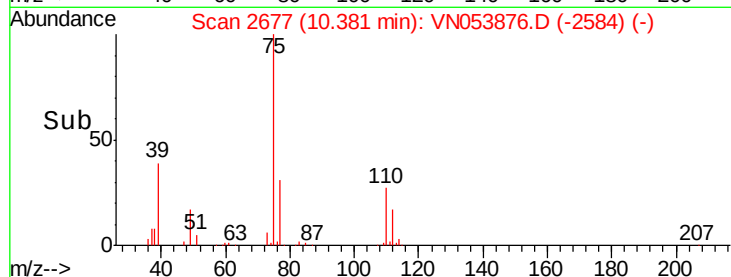
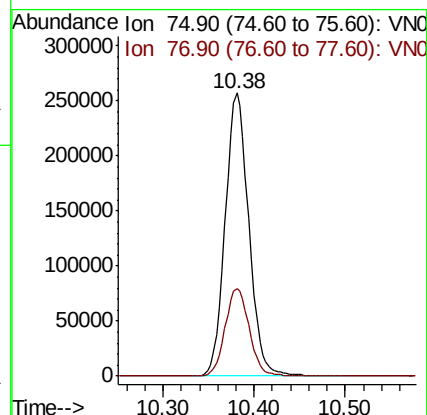
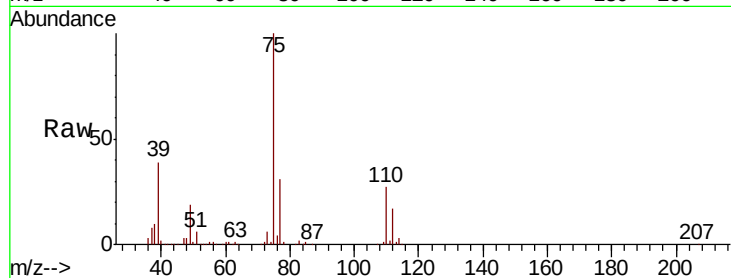
ICVFN022019

Tgt Ion: 75 Resp: 463408

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 52.140 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

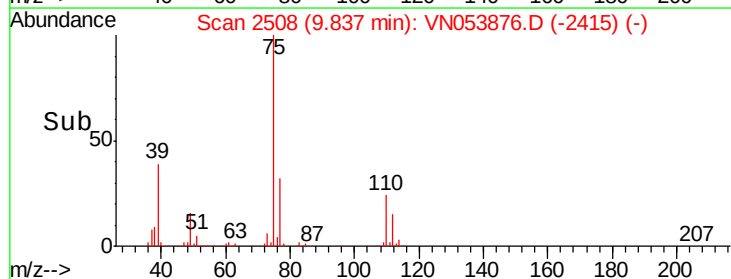
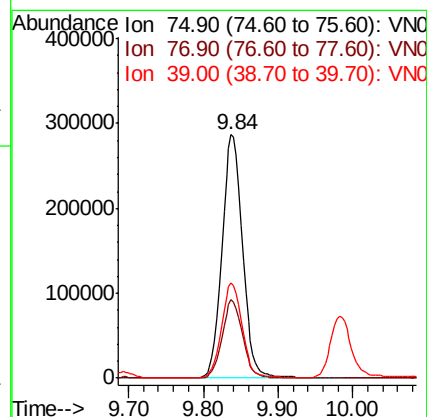
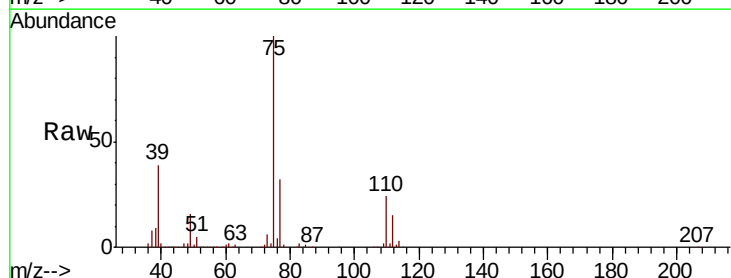
Tgt Ion: 75 Resp: 546115

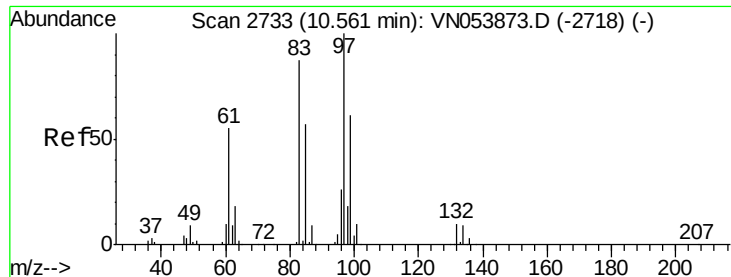
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

39 39.2 31.4 47.0

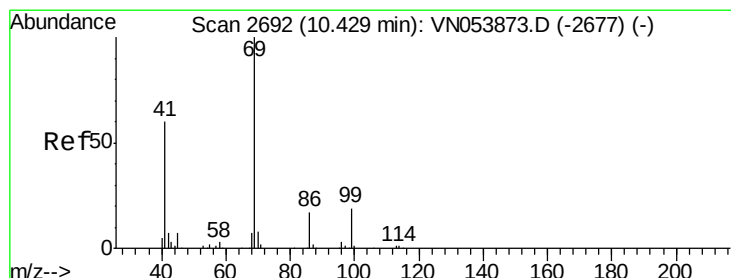
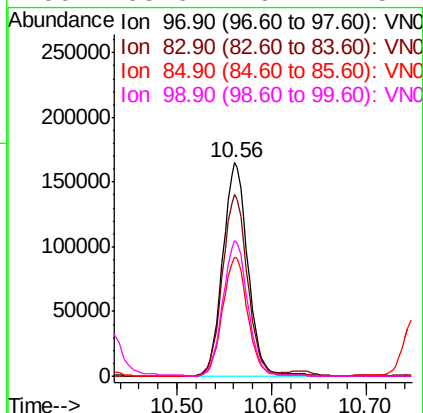
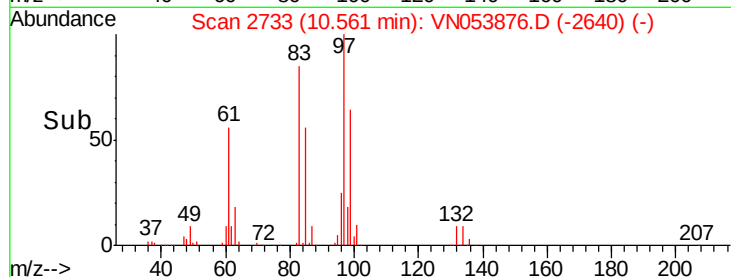
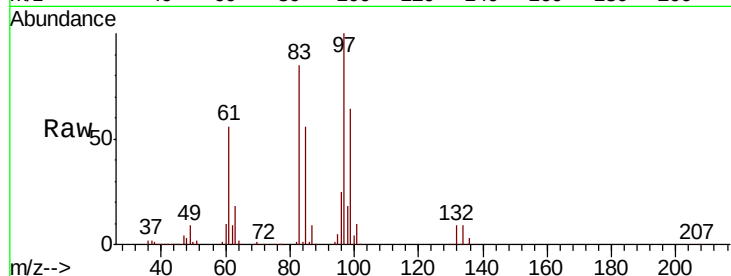




#55
 1,1,2-Trichloroethane
 Concen: 49.791 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

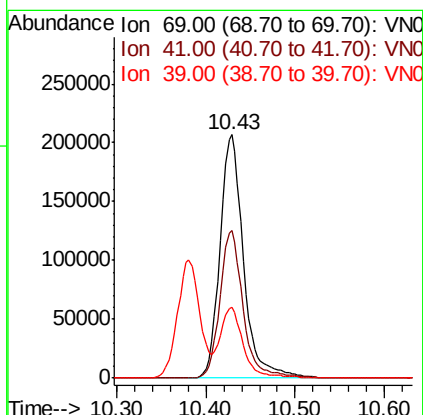
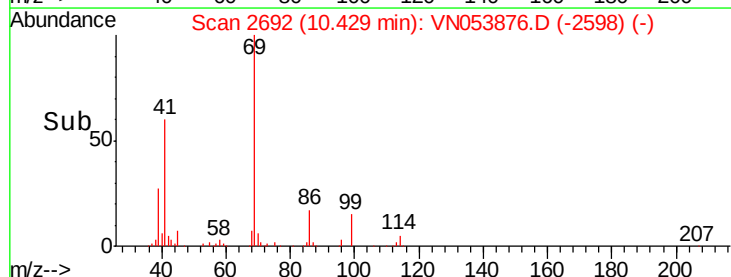
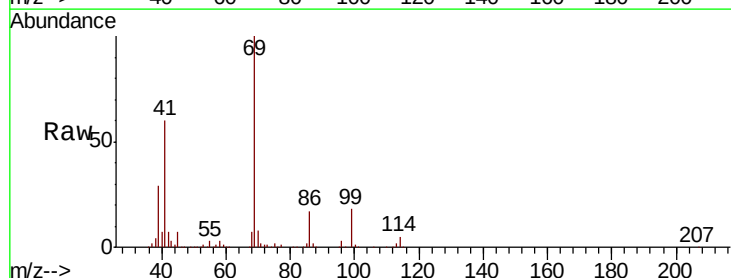
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022019

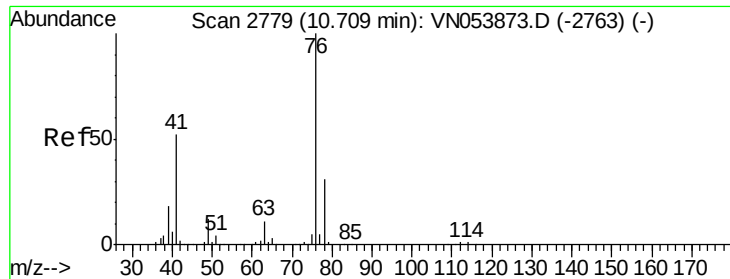
Tgt Ion:	97	Resp:	304391
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.5	104.3
85	56.0	45.9	68.9
99	63.6	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 48.206 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion:	69	Resp:	378293
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.5	71.3
39	28.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 49.619 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

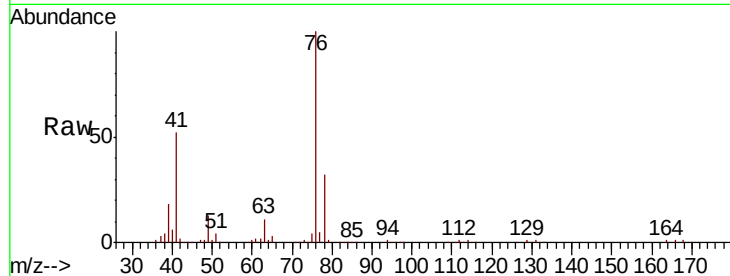
ICVVN022019

Tgt Ion: 76 Resp: 510741

Ion Ratio Lower Upper

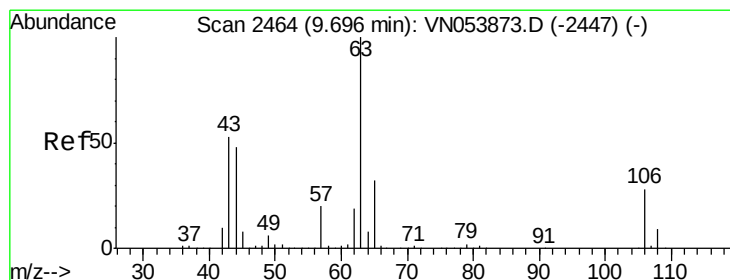
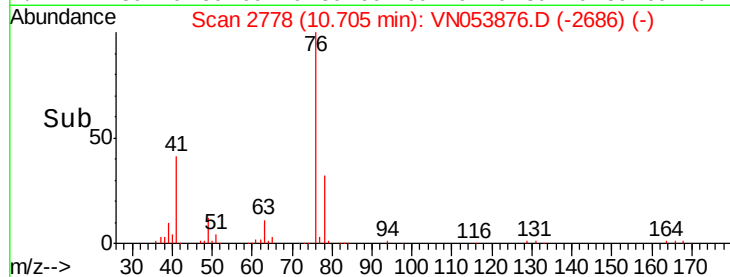
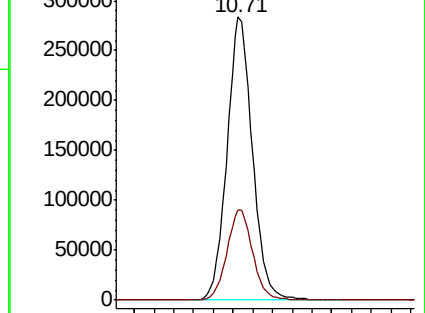
76 100

78 32.3 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 242.121 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053876.D

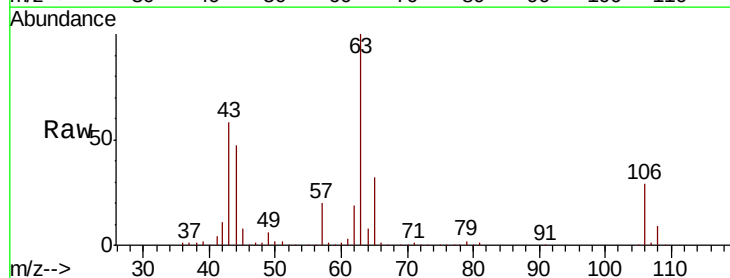
Acq: 20 Feb 2019 11:23

Tgt Ion: 63 Resp: 853516

Ion Ratio Lower Upper

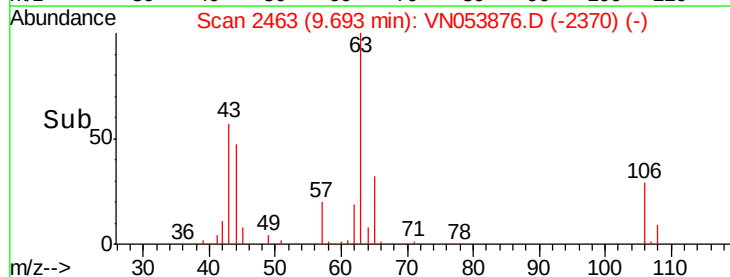
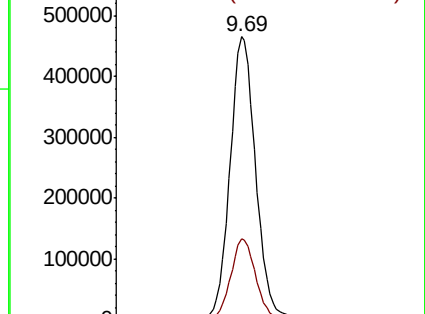
63 100

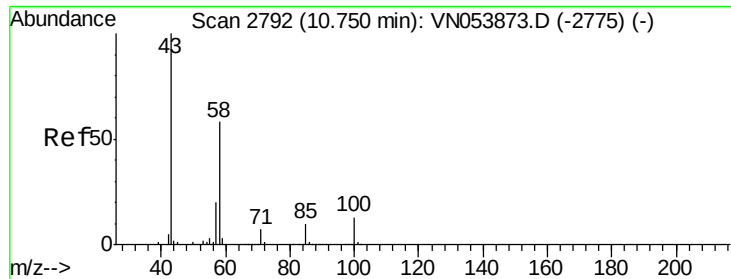
106 28.0 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

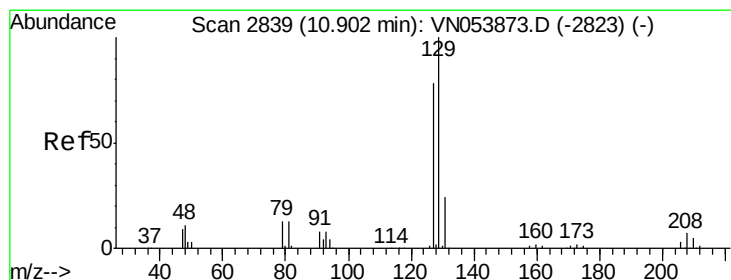
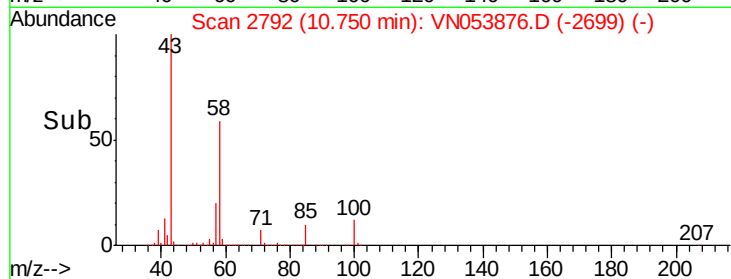
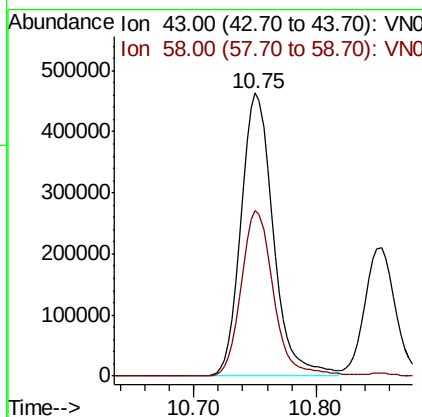
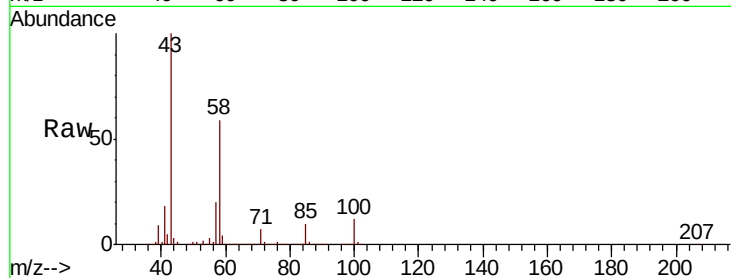




#59
2-Hexanone
Concen: 263.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

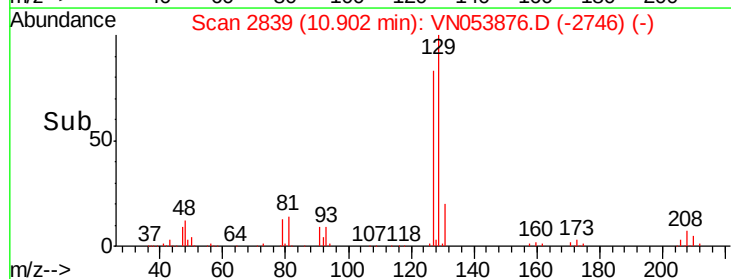
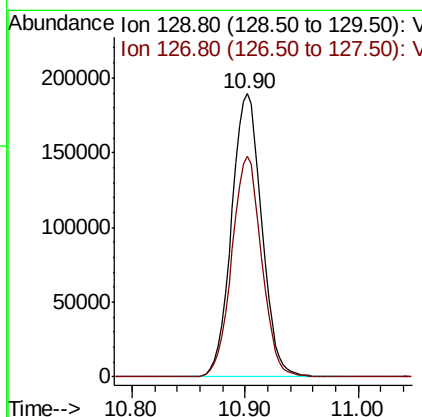
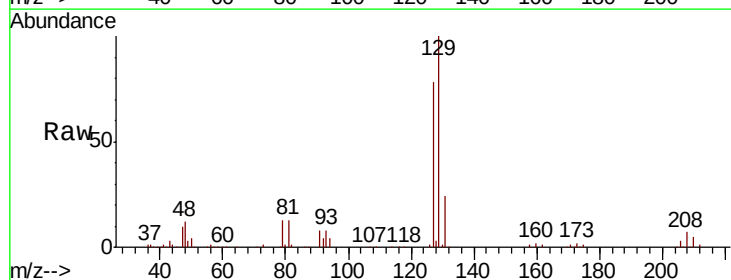
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

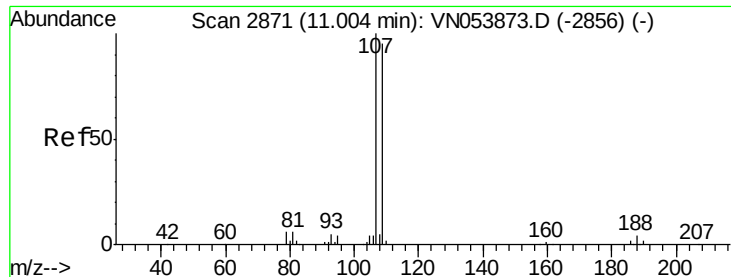
Tgt Ion: 43 Resp: 842158
Ion Ratio Lower Upper
43 100
58 58.7 29.1 87.4



#60
Dibromochloromethane
Concen: 49.309 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 129 Resp: 351857
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

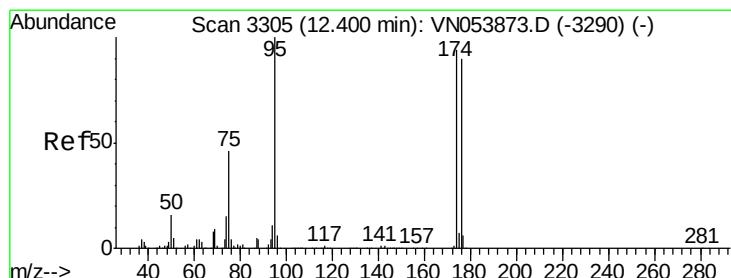
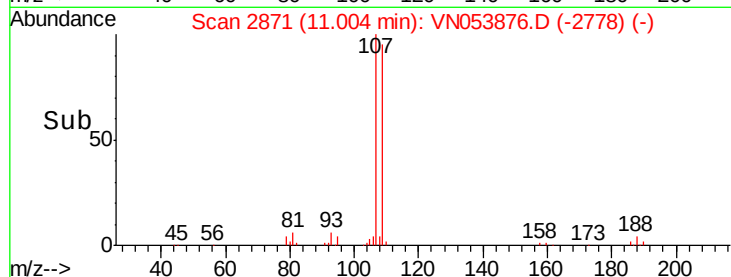
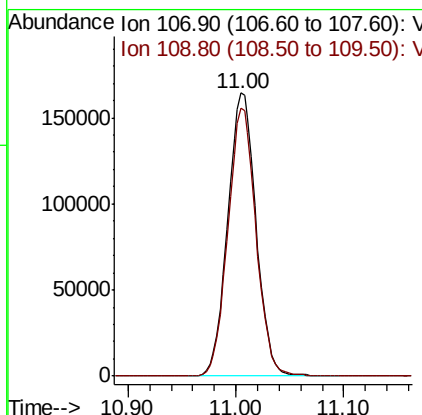
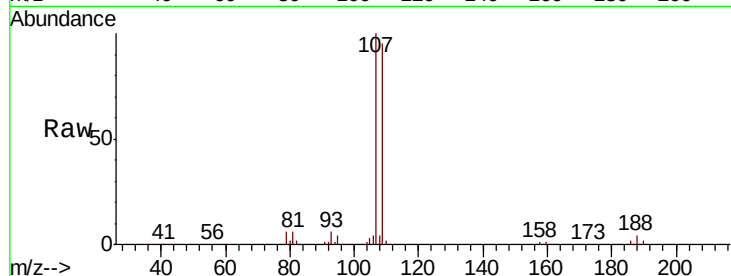




#61
1,2-Dibromoethane
Concen: 49.536 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

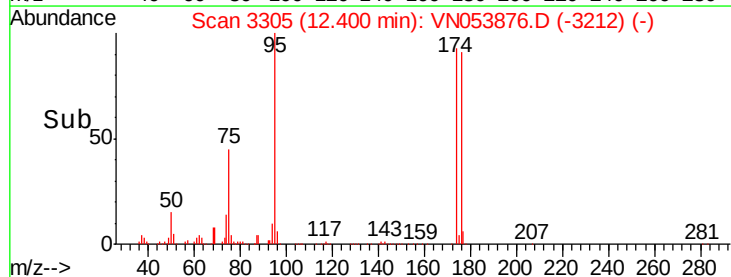
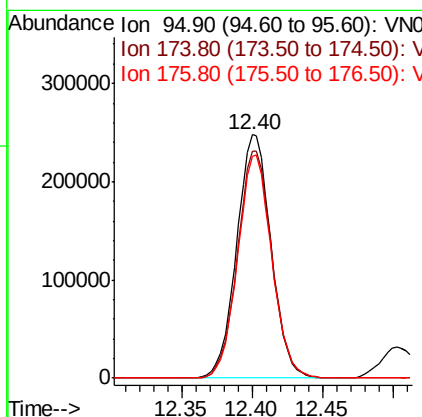
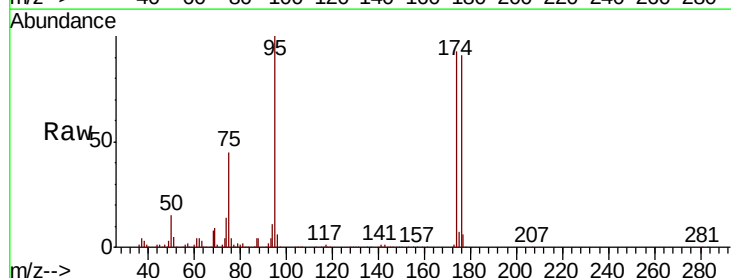
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

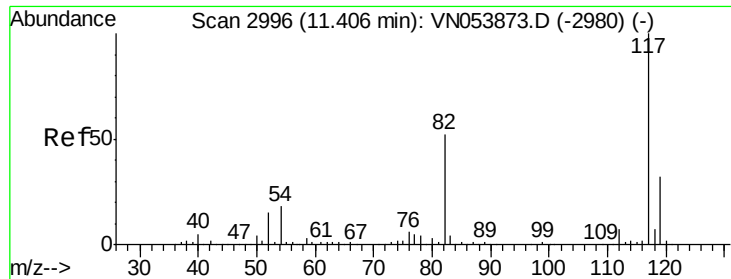
Tgt Ion: 107 Resp: 300857
Ion Ratio Lower Upper
107 100
109 94.0 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 51.756 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 95 Resp: 421783
Ion Ratio Lower Upper
95 100
174 93.9 0.0 188.8
176 91.2 0.0 182.6

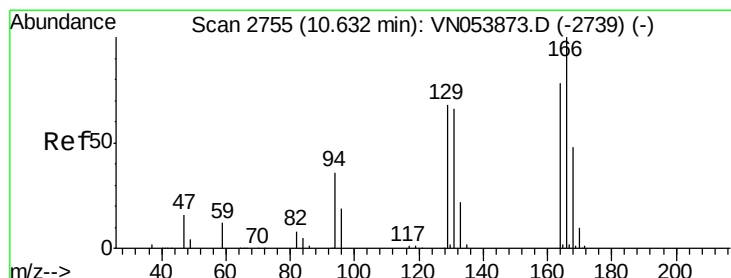
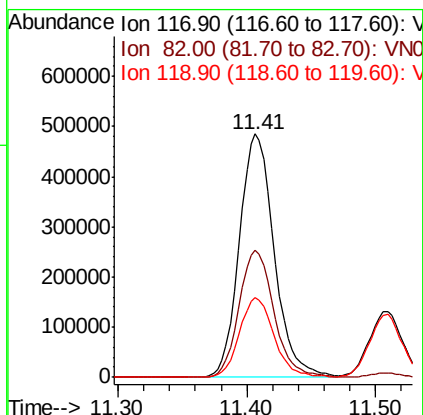
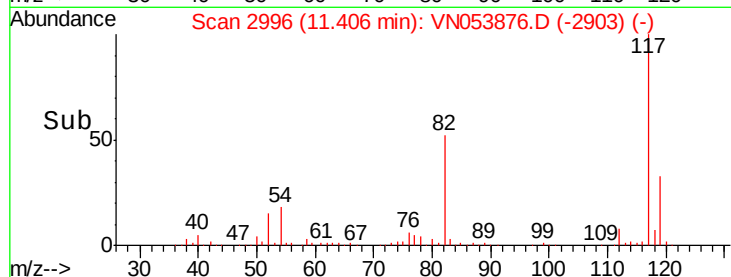
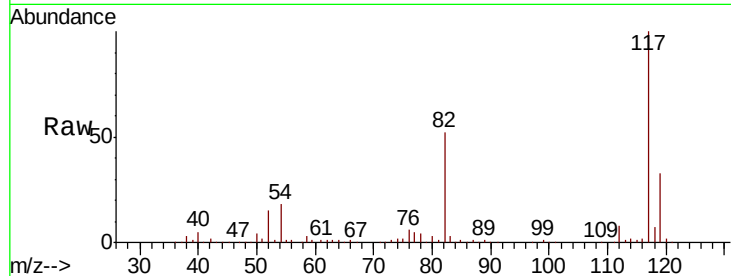




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

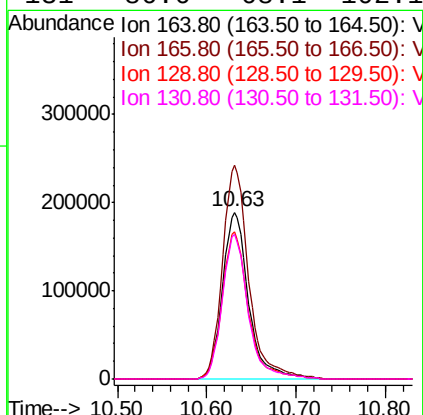
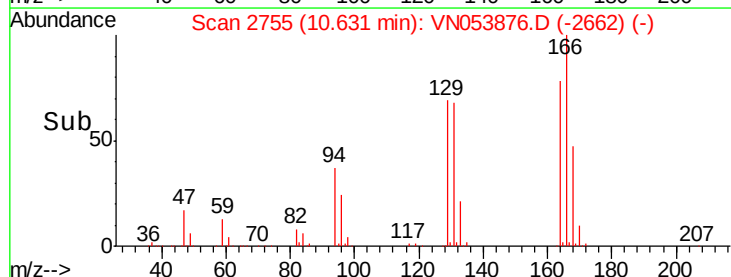
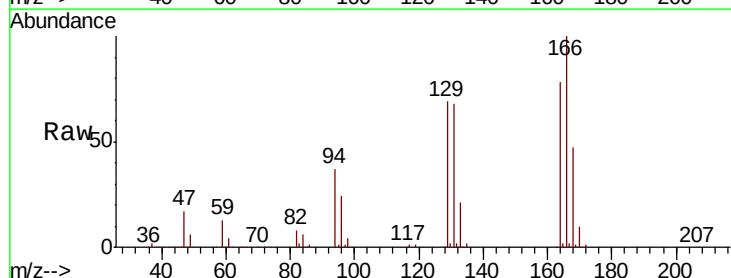
Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

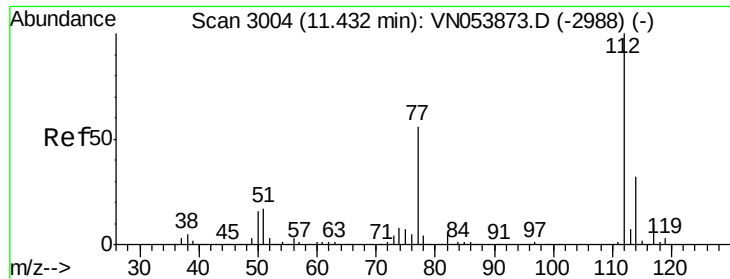
Tgt Ion:117 Resp: 914664
Ion Ratio Lower Upper
117 100
82 52.0 41.4 62.2
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 47.001 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:164 Resp: 384423
Ion Ratio Lower Upper
164 100
166 127.9 102.6 153.8
129 88.4 69.4 104.0
131 86.6 68.1 102.1

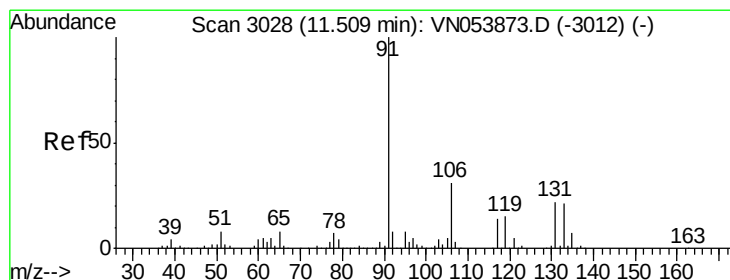
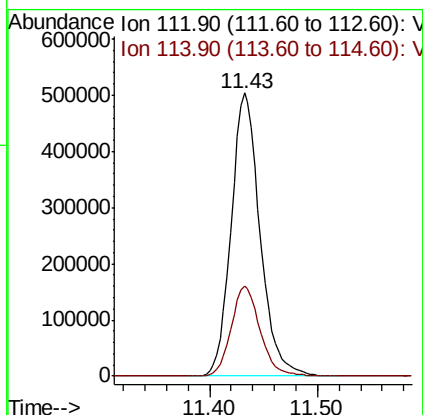
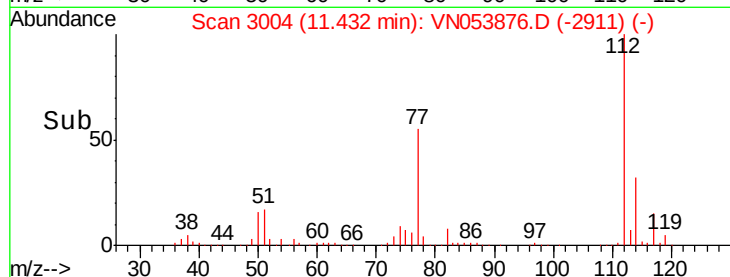
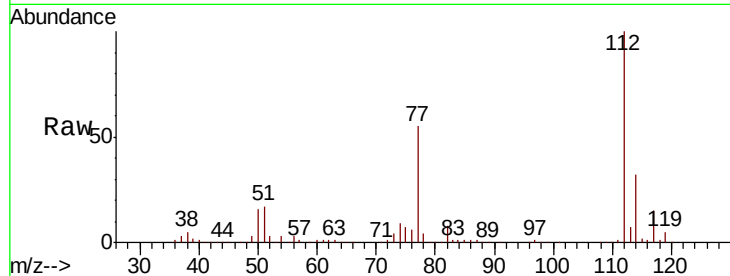




#65
Chlorobenzene
Concen: 49.065 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

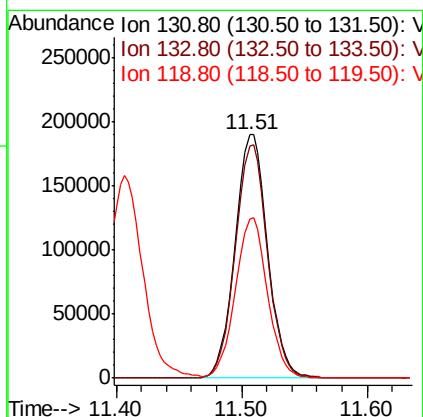
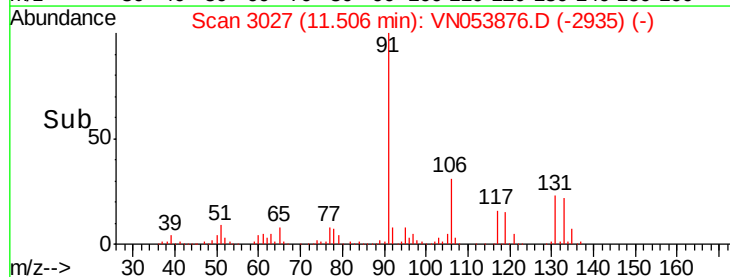
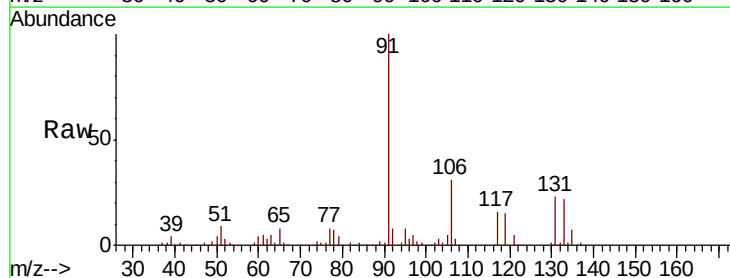
Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

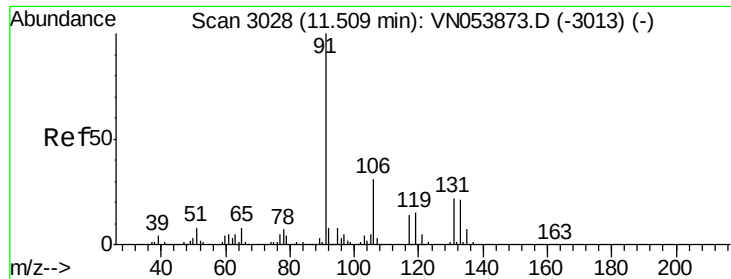
Tgt Ion:112 Resp: 939353
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.146 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:131 Resp: 343351
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.1 33.1 99.3

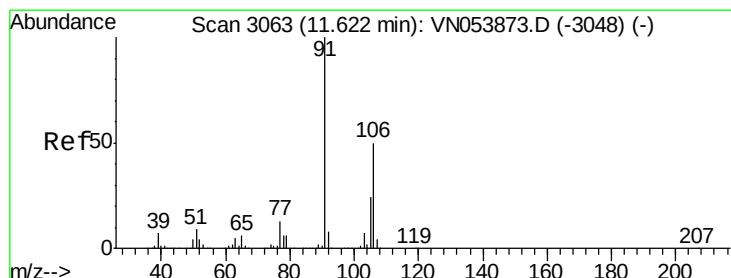
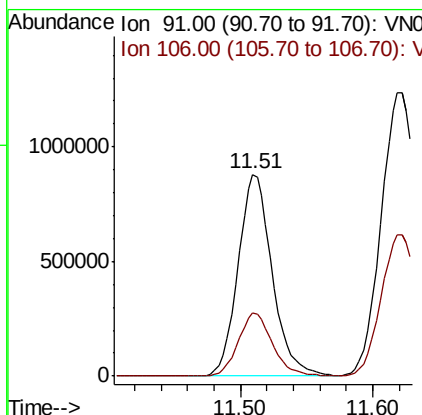
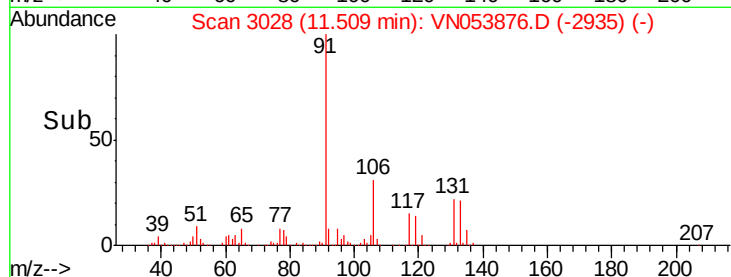
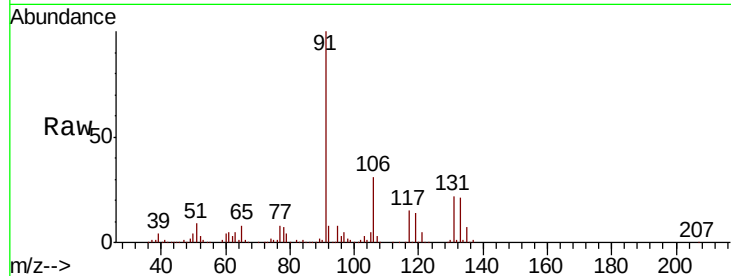




#67
Ethyl Benzene
Concen: 50.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

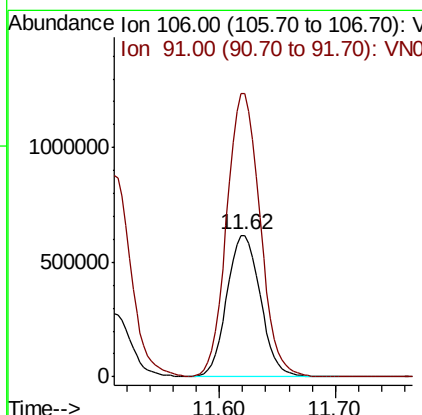
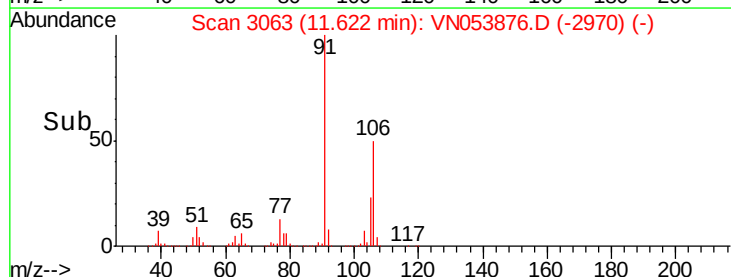
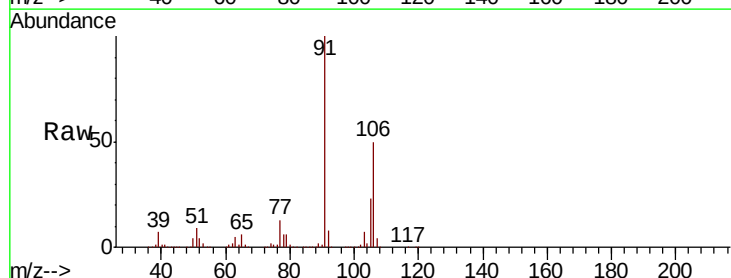
Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

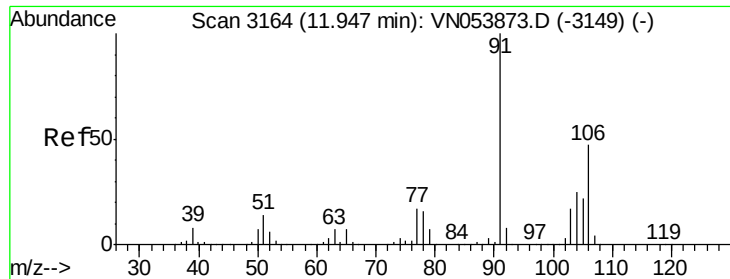
Tgt Ion: 91 Resp: 1571516
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8



#68
m/p-Xylenes
Concen: 103.648 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 106 Resp: 1243469
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3

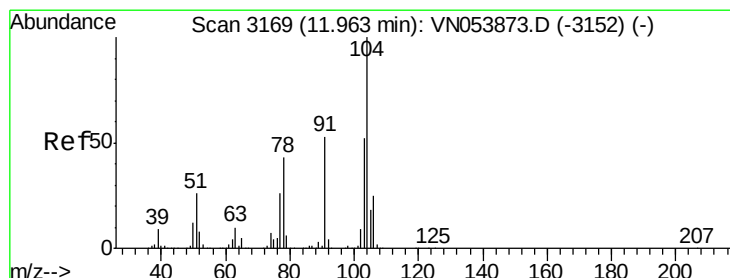
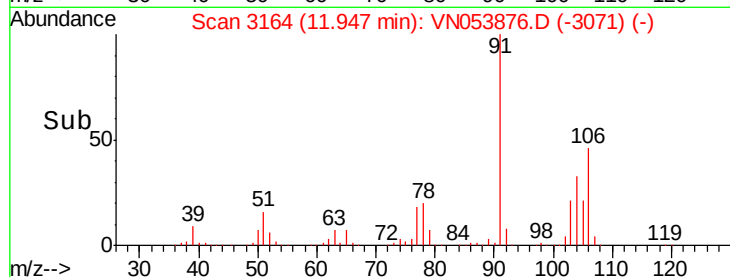
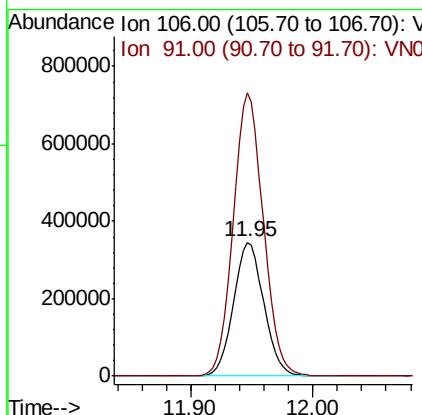
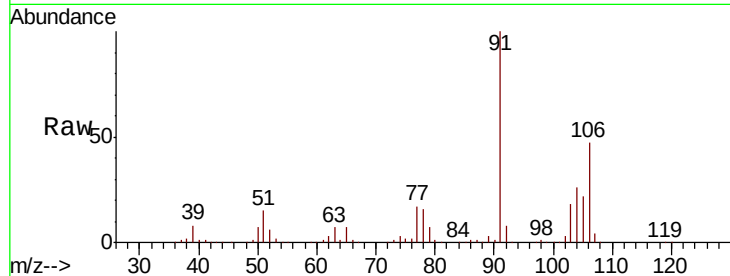




#69
o-Xylene
Concen: 51.410 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

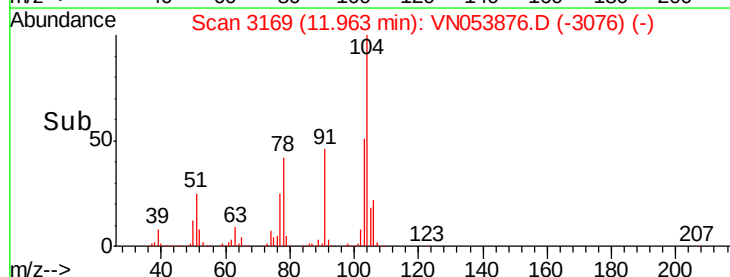
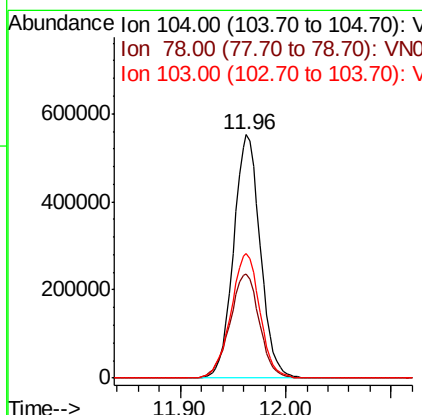
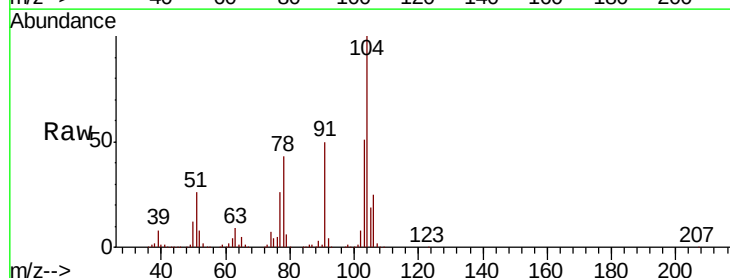
Instrument :
MSVOA_N
ClientSampled :
ICVFN022019

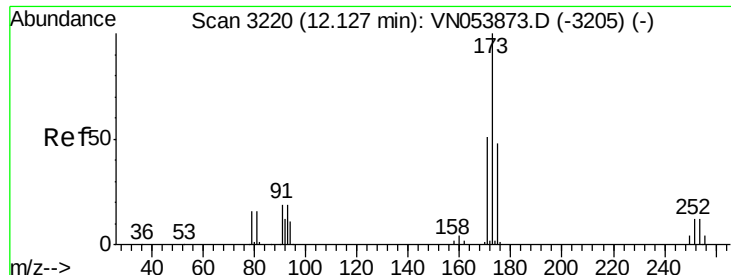
Tgt Ion:106 Resp: 593770
Ion Ratio Lower Upper
106 100
91 210.8 106.0 318.0



#70
Styrene
Concen: 53.399 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:104 Resp: 967809
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 55.4 44.6 67.0

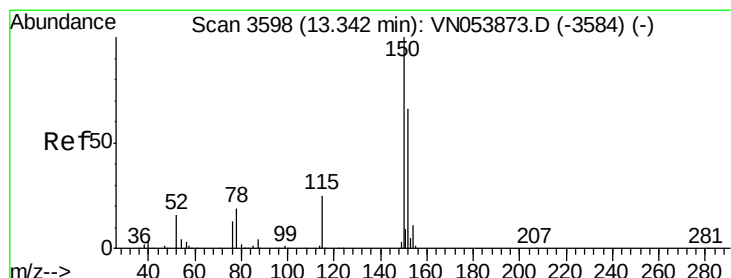
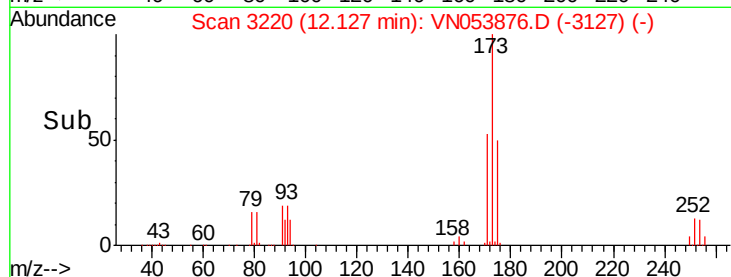
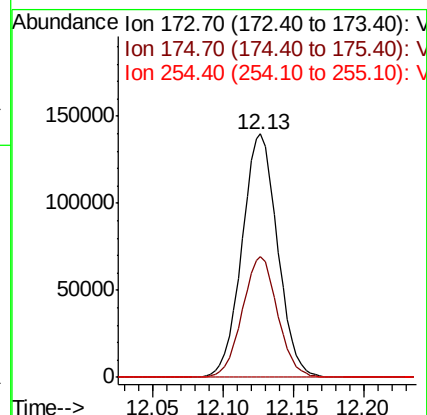
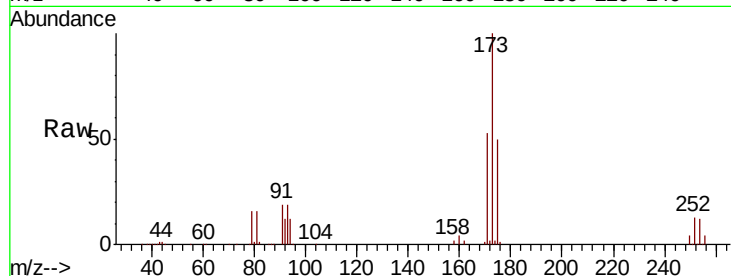




#71
Bromoform
Concen: 49.832 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

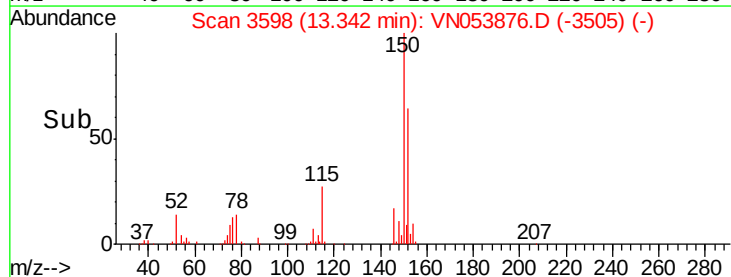
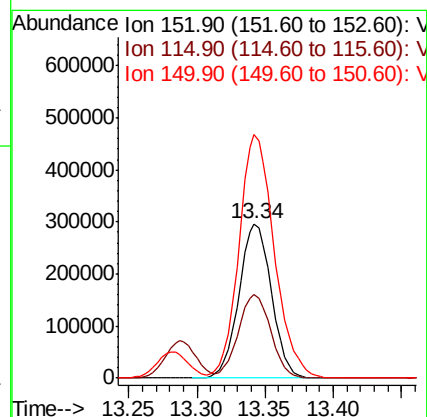
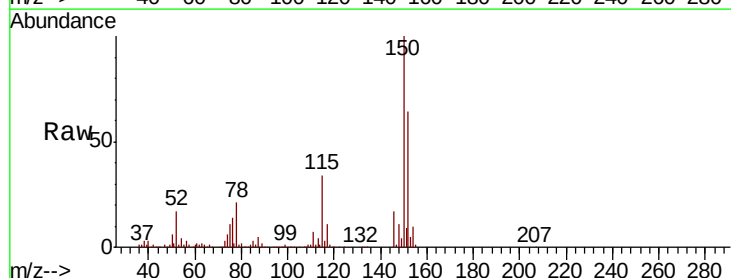
Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

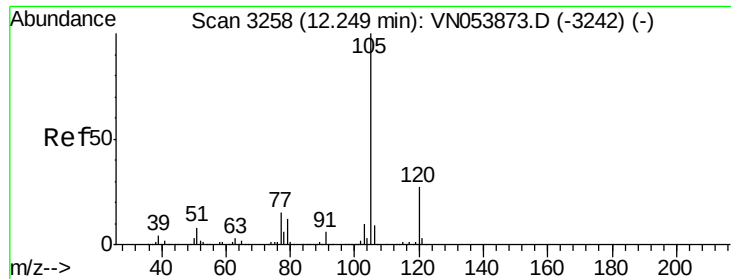
Tgt Ion:173 Resp: 247075
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.2 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:152 Resp: 488460
Ion Ratio Lower Upper
152 100
115 54.2 27.2 81.6
150 171.5 0.0 348.2

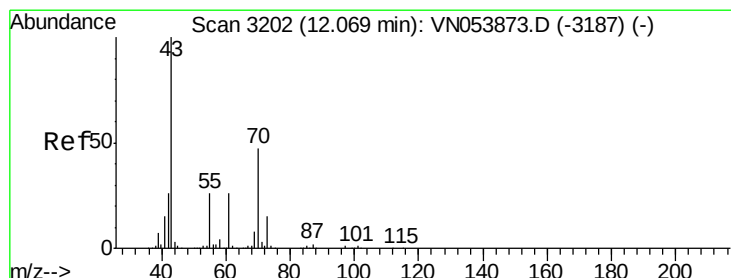
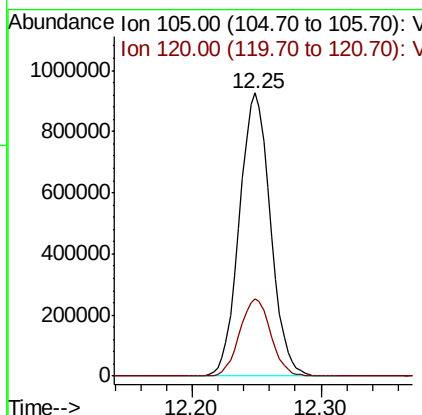
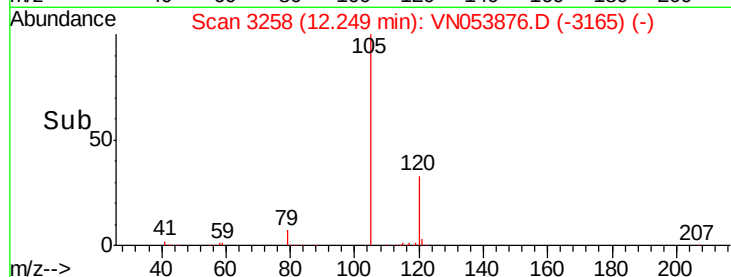
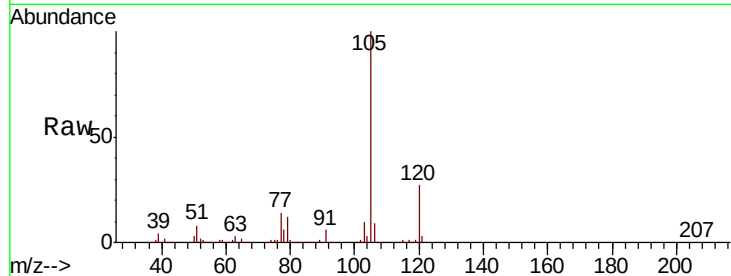




#73
Isopropylbenzene
Concen: 45.127 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

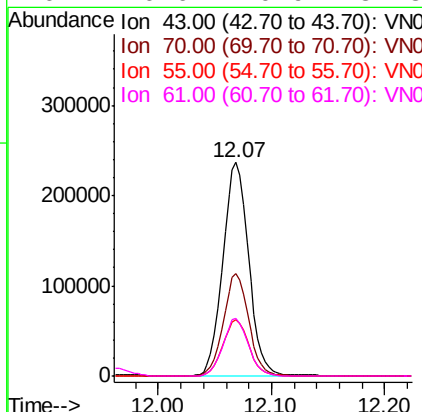
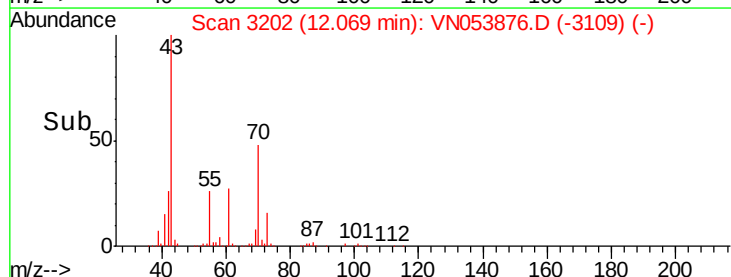
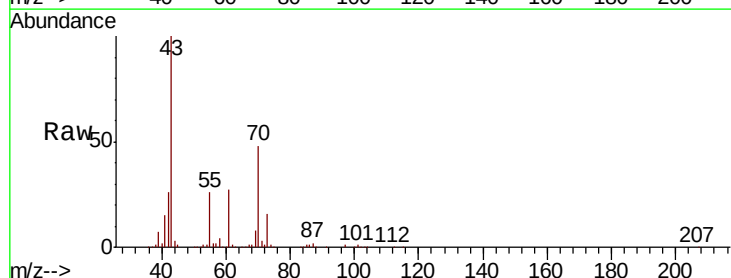
Instrument :
MSVOA_N
ClientSampled :
ICVVN022019

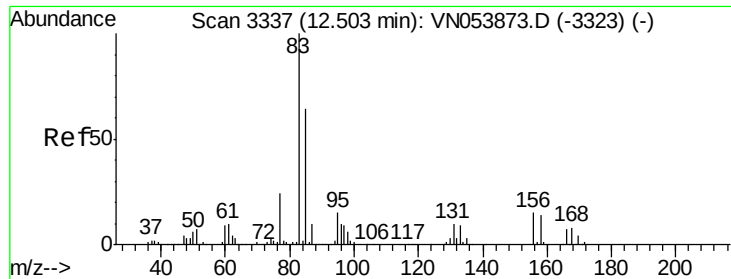
Tgt Ion: 105 Resp: 1552886
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.5



#74
N-ethyl acetate
Concen: 47.593 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion: 43 Resp: 376093
Ion Ratio Lower Upper
43 100
70 47.0 37.4 56.2
55 26.6 21.4 32.0
61 26.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.437 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

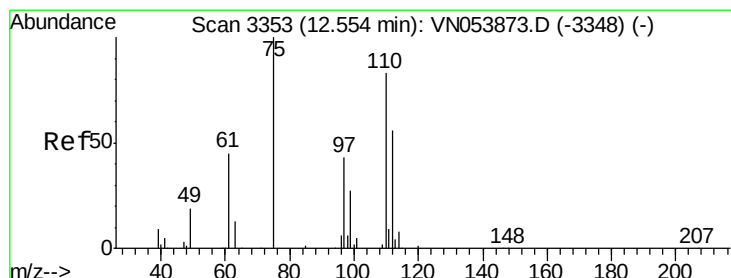
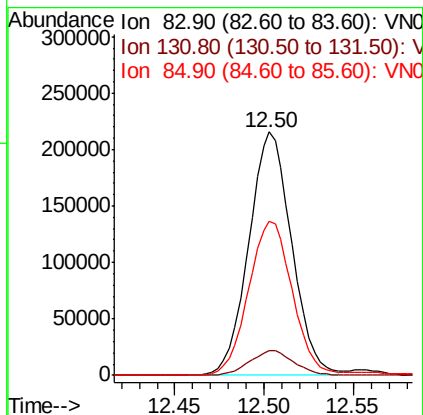
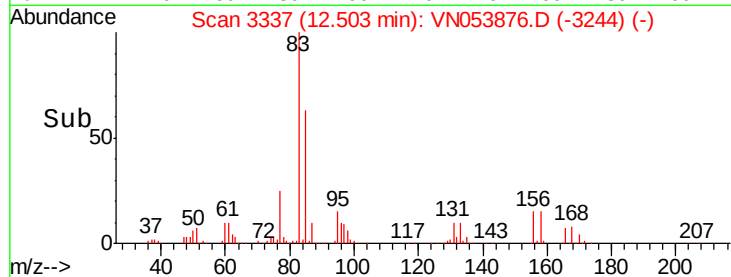
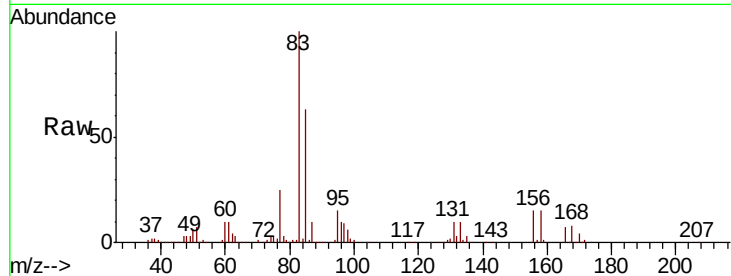
Tgt Ion: 83 Resp: 361523

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

85 64.7 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 63.875 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053876.D

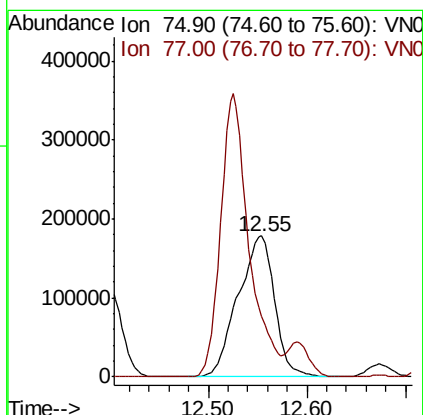
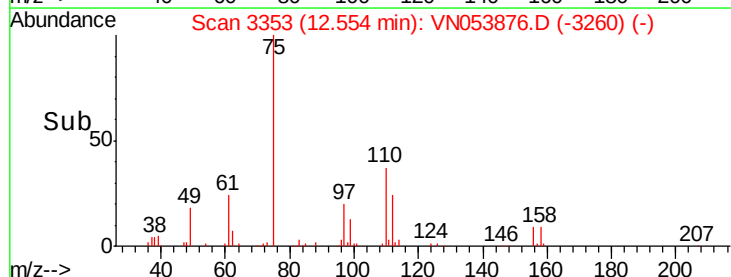
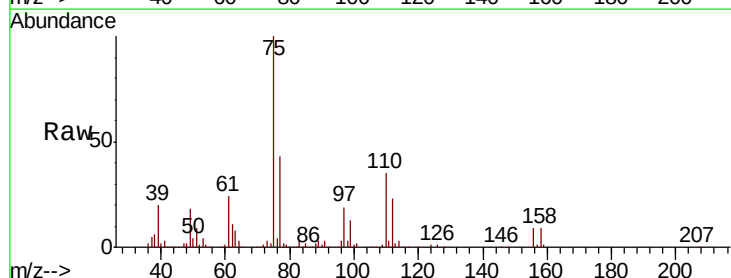
Acq: 20 Feb 2019 11:23

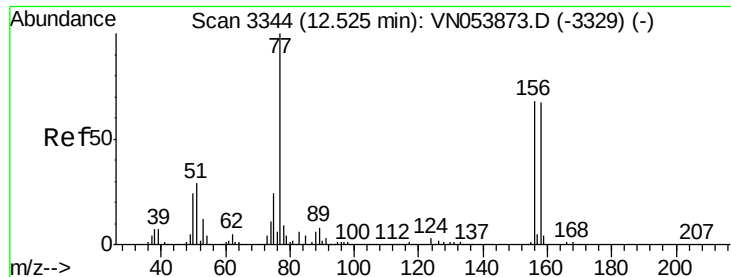
Tgt Ion: 75 Resp: 458022

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.661 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

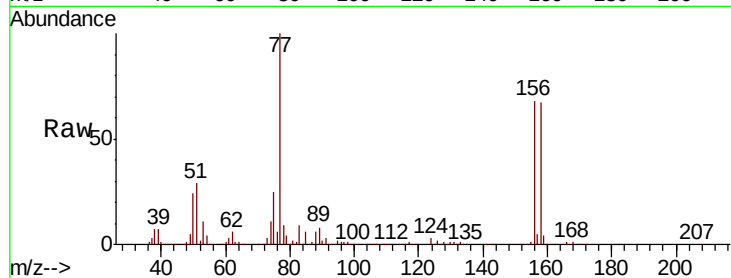
Tgt Ion:156 Resp: 421496

Ion Ratio Lower Upper

156 100

77 171.1 84.0 252.2

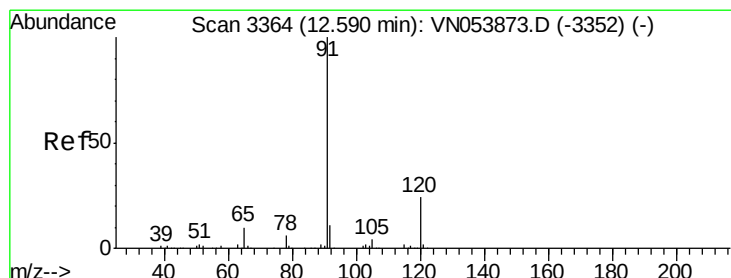
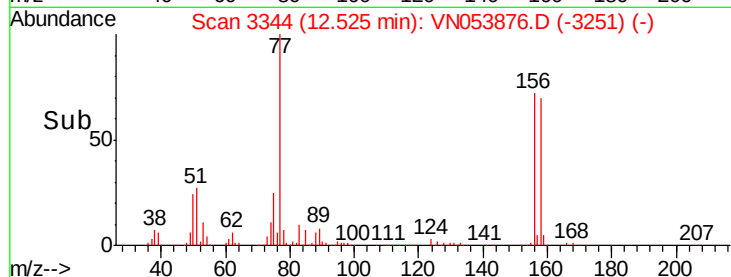
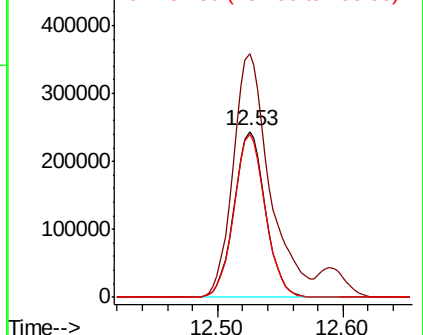
158 98.1 48.5 145.6



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: 48.811 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053876.D

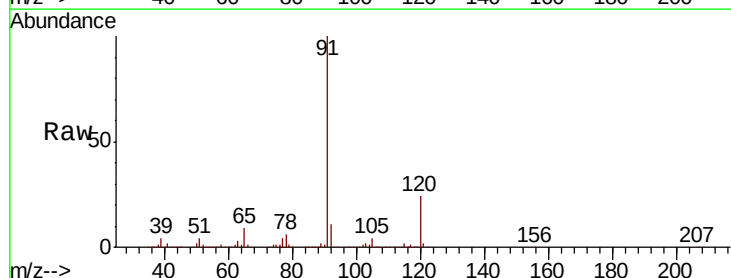
Acq: 20 Feb 2019 11:23

Tgt Ion: 91 Resp: 1878260

Ion Ratio Lower Upper

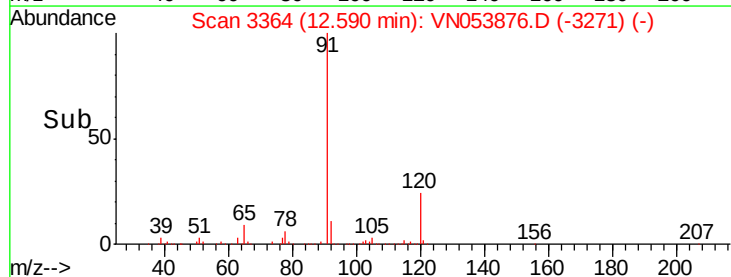
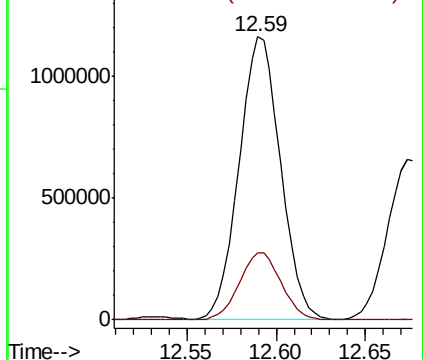
91 100

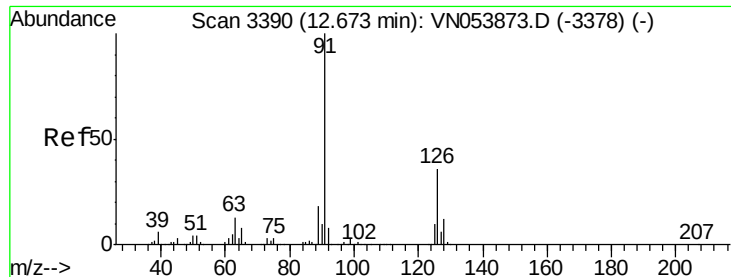
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.620 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

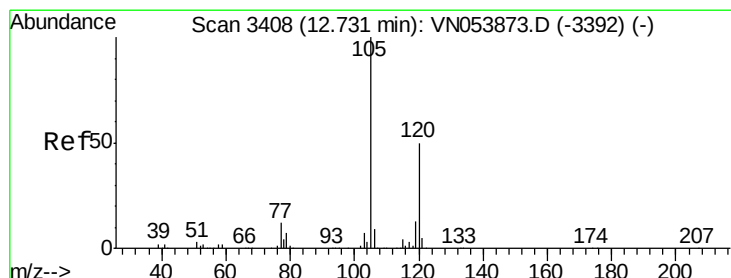
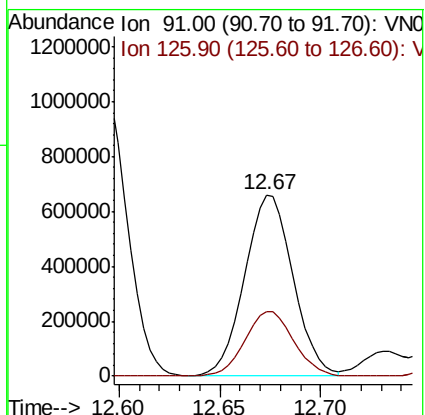
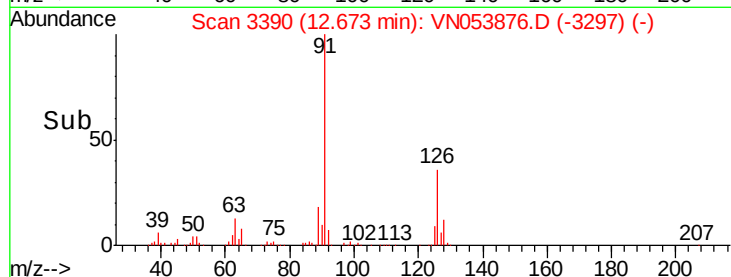
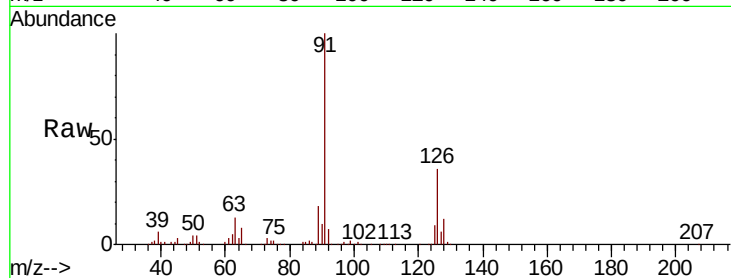
ICVVN022019

Tgt Ion: 91 Resp: 1104889

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 48.465 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053876.D

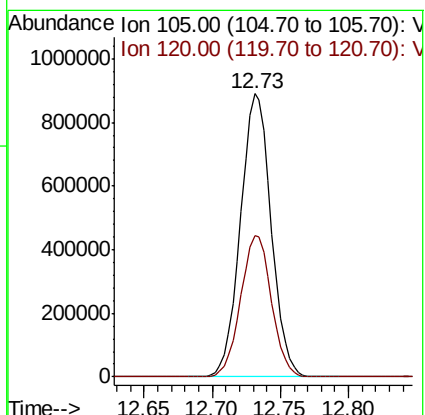
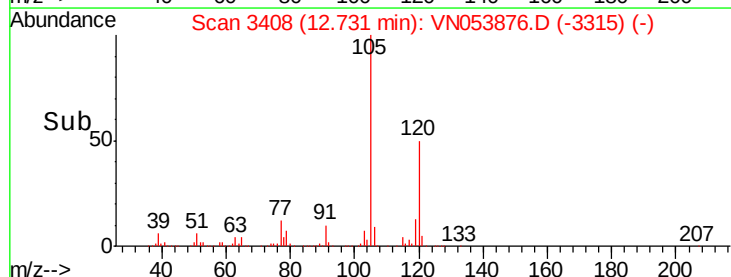
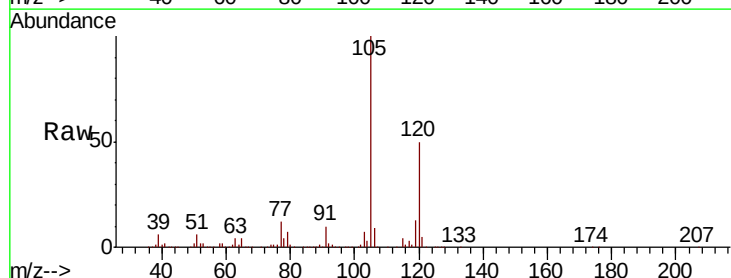
Acq: 20 Feb 2019 11:23

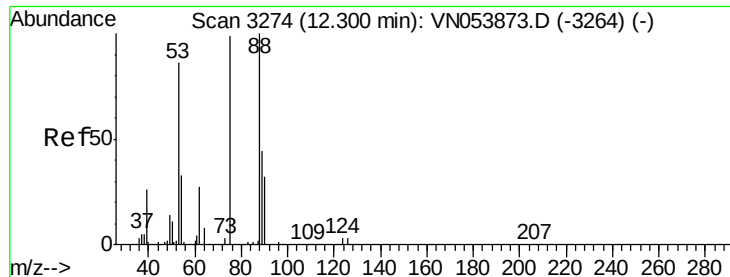
Tgt Ion: 105 Resp: 1384318

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.670 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

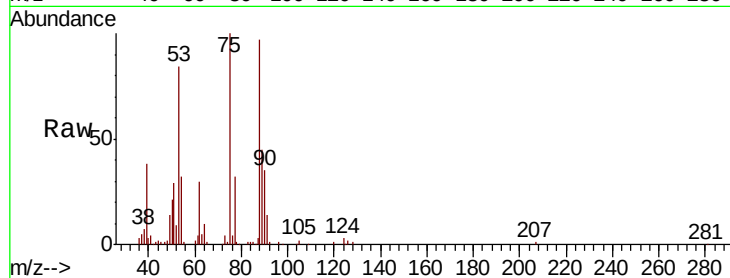
Tgt Ion: 75 Resp: 101370

Ion Ratio Lower Upper

75 100

53 83.9 68.6 102.8

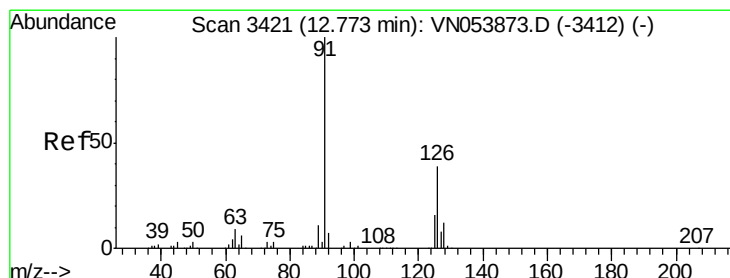
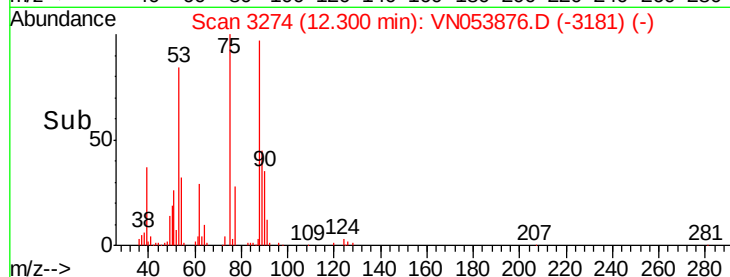
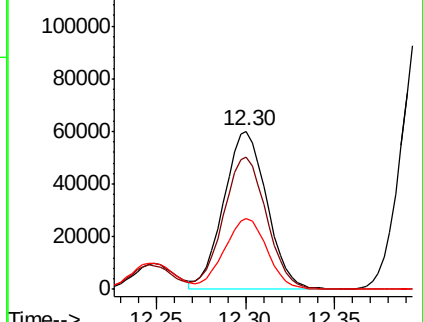
89 44.5 35.3 52.9



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: 48.903 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053876.D

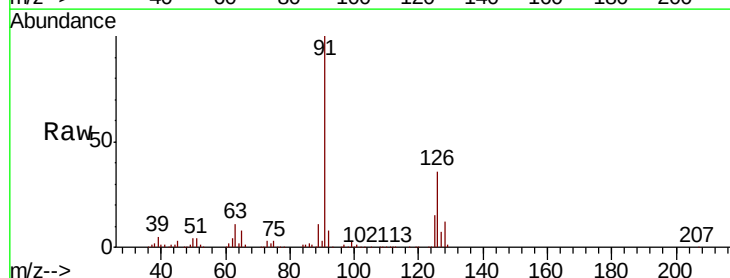
Acq: 20 Feb 2019 11:23

Tgt Ion: 91 Resp: 1130405

Ion Ratio Lower Upper

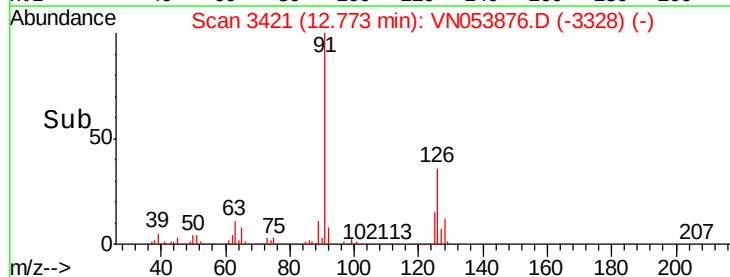
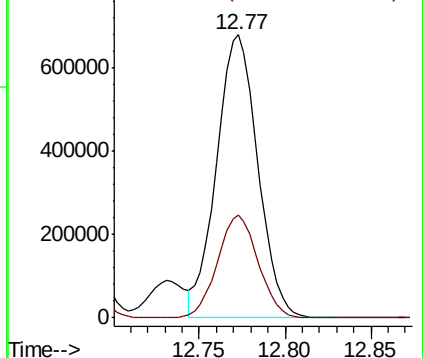
91 100

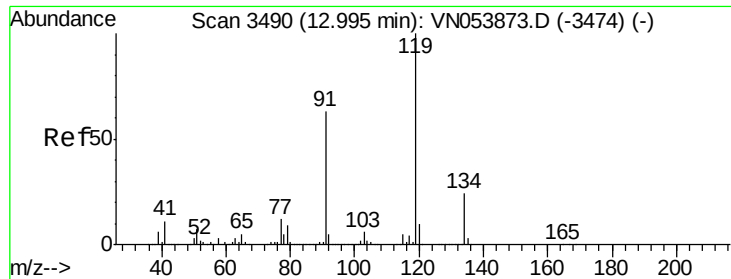
126 35.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

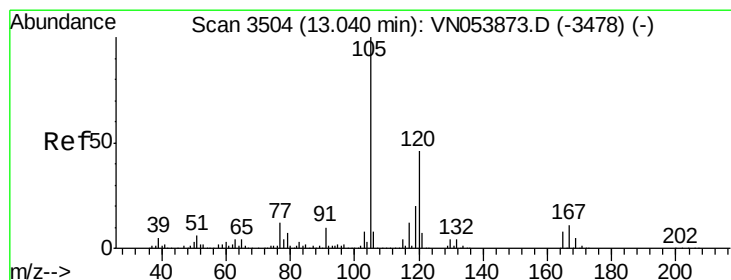
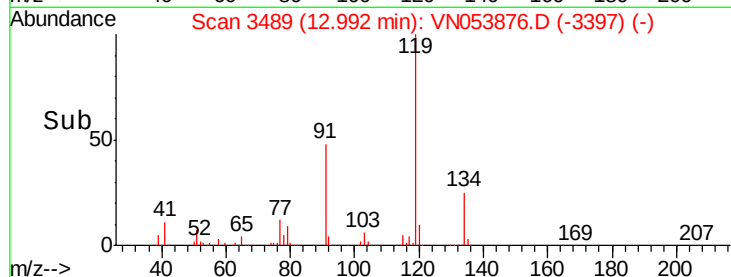
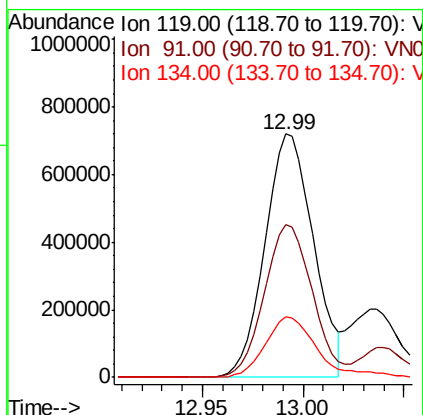
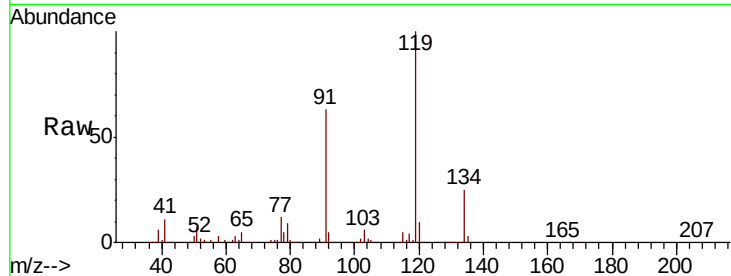




#83
 tert-Butylbenzene
 Concen: 46.870 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

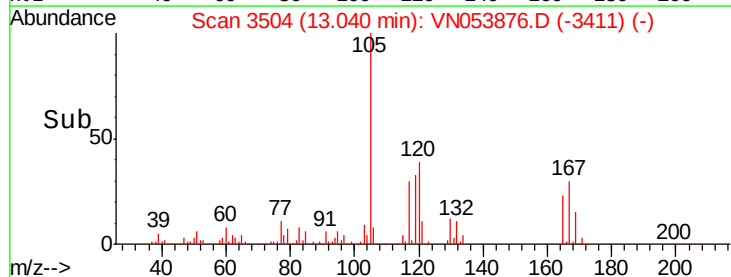
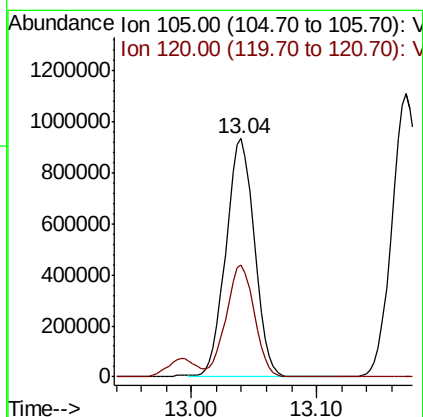
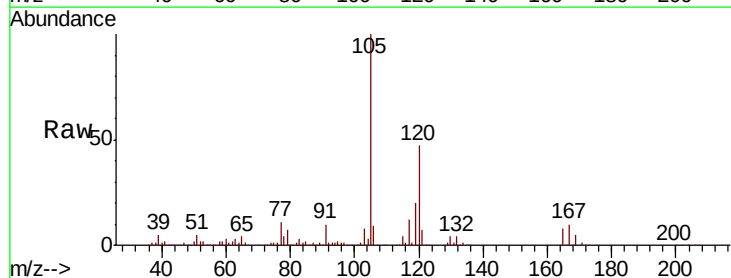
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

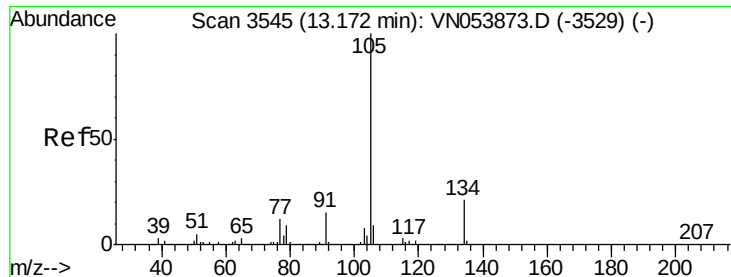
Tgt Ion:119 Resp: 1202120
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.6 91.8
 134 26.6 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.481 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion:105 Resp: 1474840
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 51.230 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

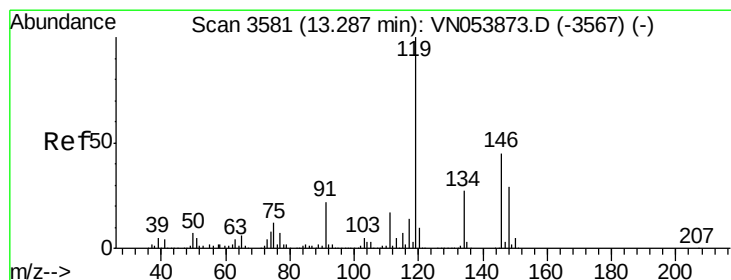
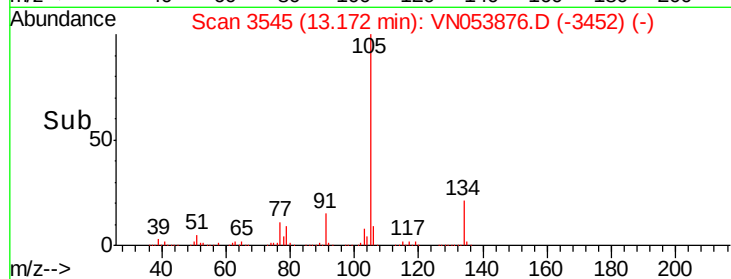
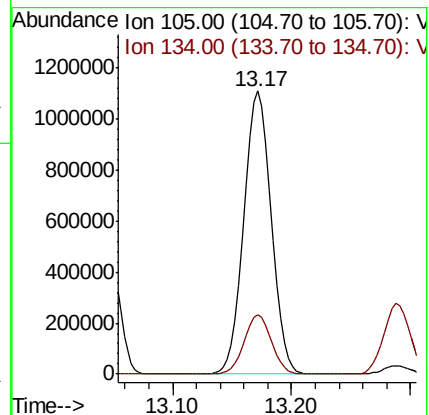
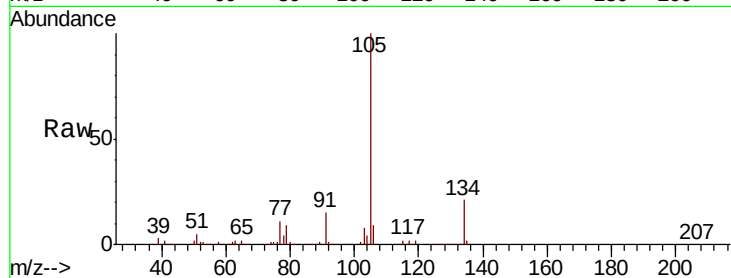
ICVVN022019

Tgt Ion:105 Resp: 1769138

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 52.463 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

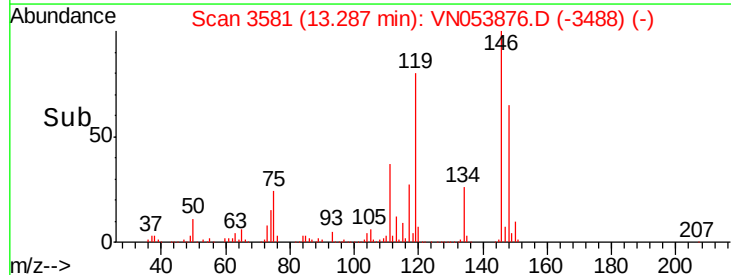
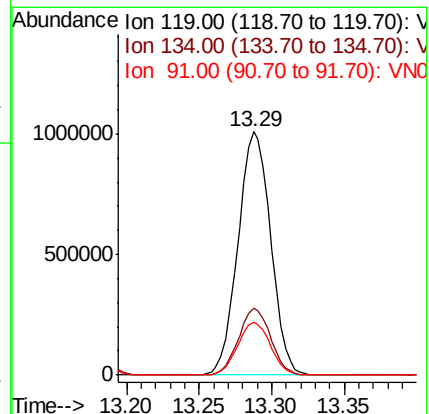
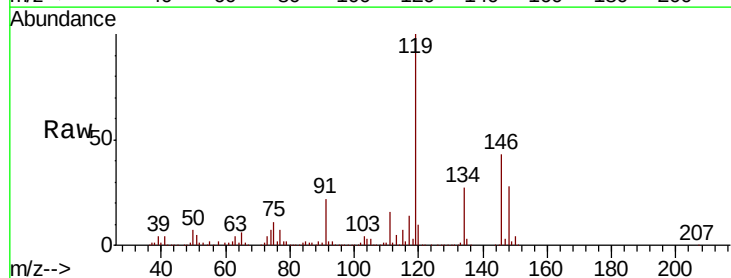
Tgt Ion:119 Resp: 1572341

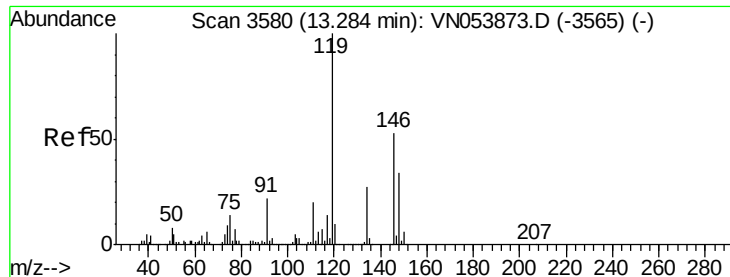
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.7 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 50.349 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

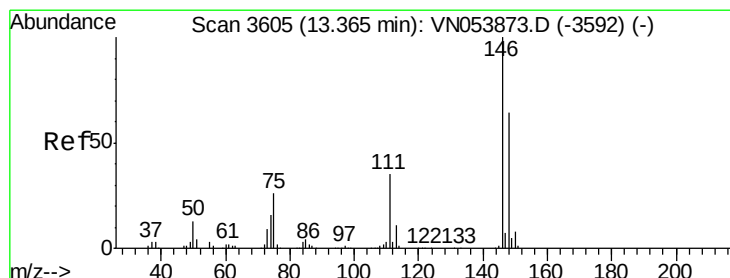
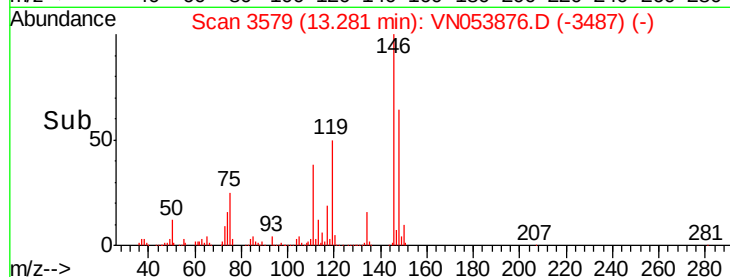
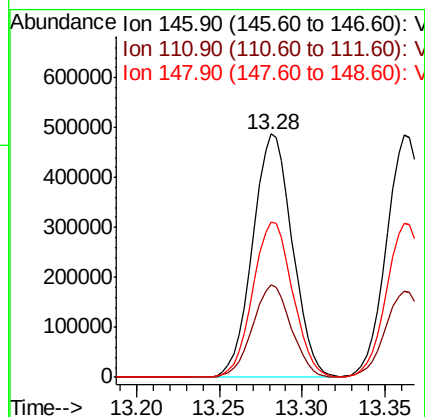
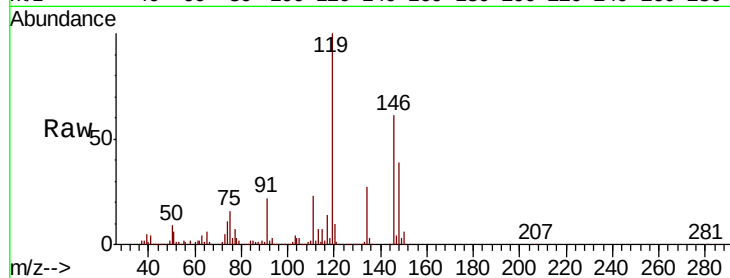
Tgt Ion:146 Resp: 811042

Ion Ratio Lower Upper

146 100

111 37.0 18.7 56.1

148 64.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.203 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

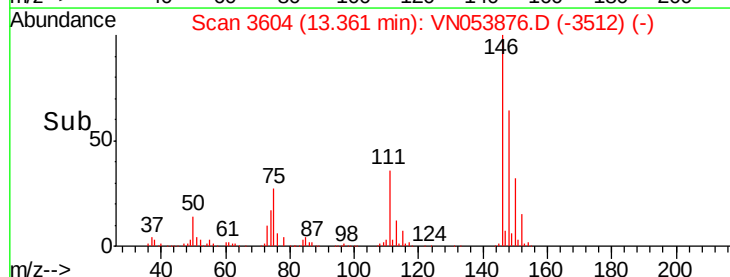
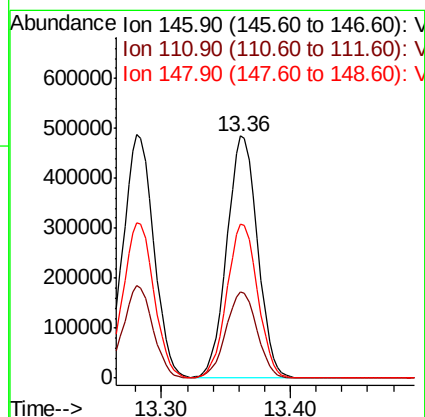
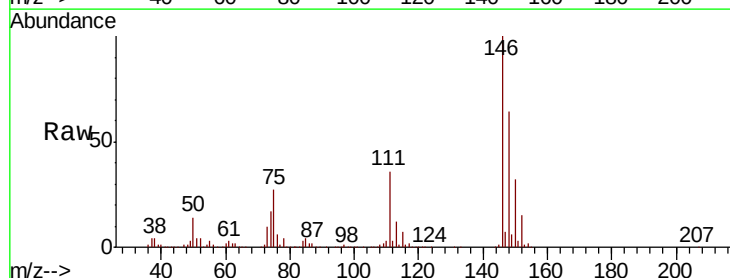
Tgt Ion:146 Resp: 797468

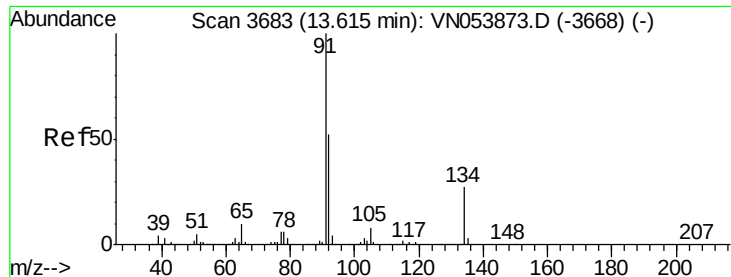
Ion Ratio Lower Upper

146 100

111 36.3 18.0 54.0

148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 54.783 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053876.D

Acq: 20 Feb 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022019

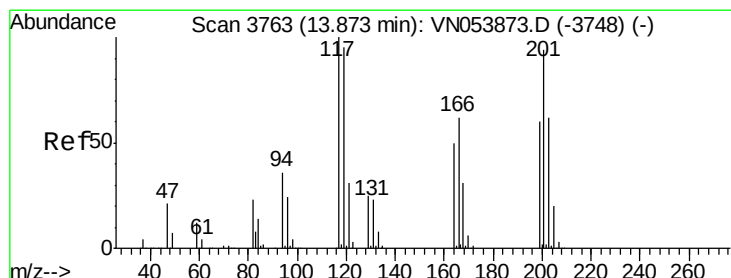
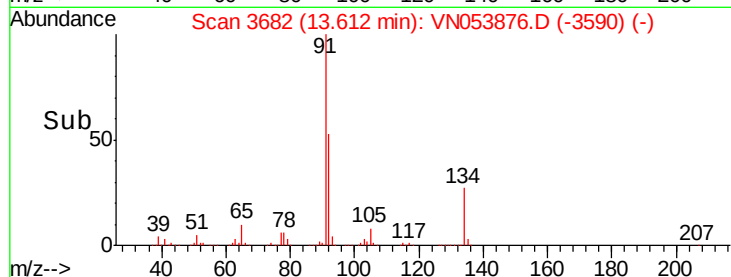
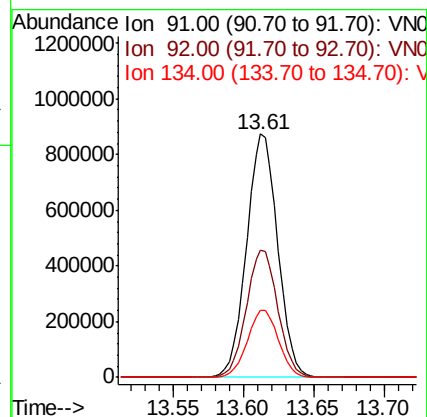
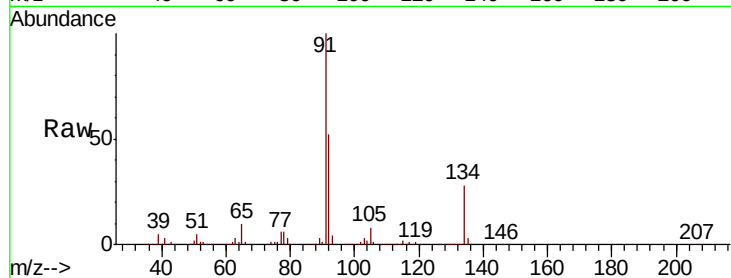
Tgt Ion: 91 Resp: 1350187

Ion Ratio Lower Upper

91 100

92 52.7 26.1 78.2

134 27.7 13.6 40.8



#90

Hexachloroethane

Concen: 45.261 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053876.D

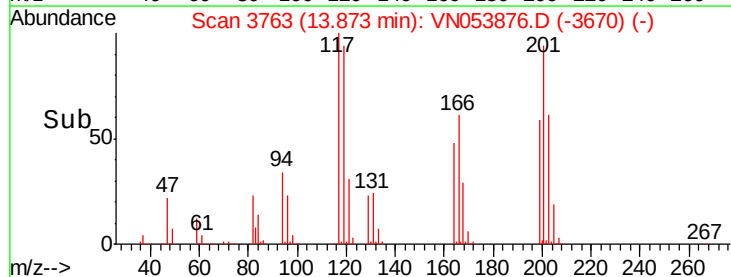
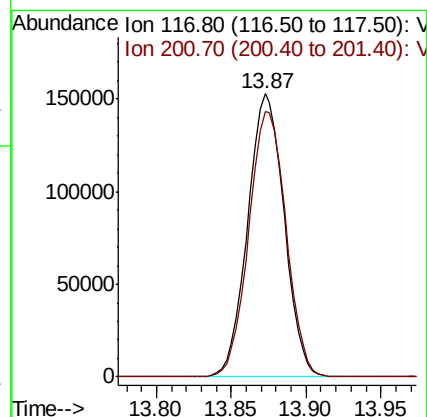
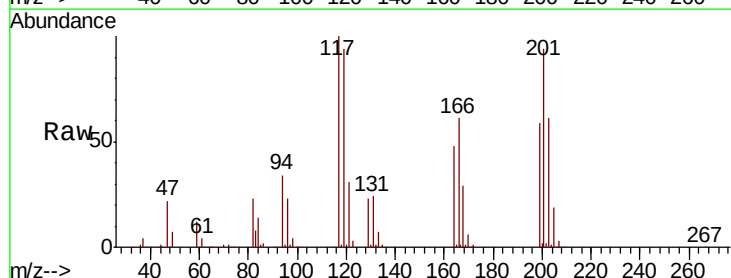
Acq: 20 Feb 2019 11:23

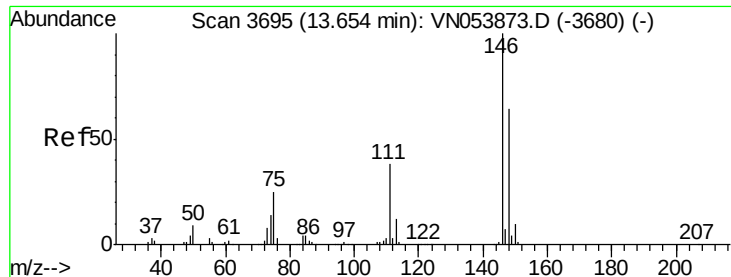
Tgt Ion: 117 Resp: 259146

Ion Ratio Lower Upper

117 100

201 95.9 48.0 144.2

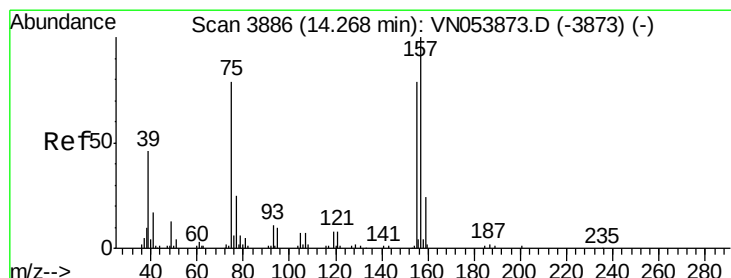
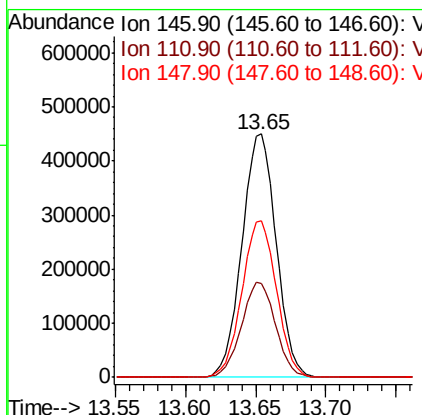
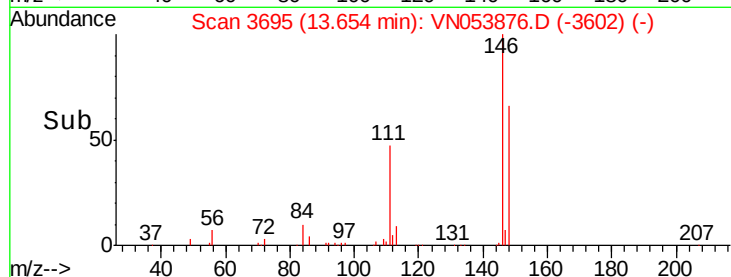
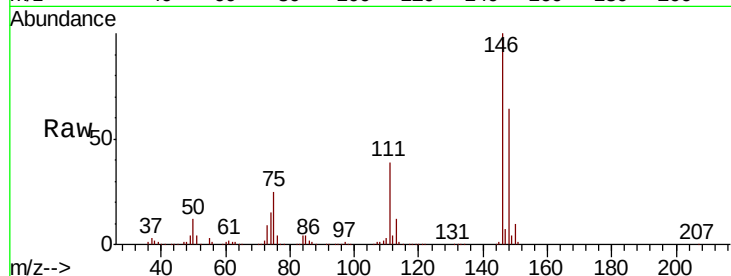




#91
 1,2-Dichlorobenzene
 Concen: 48.434 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

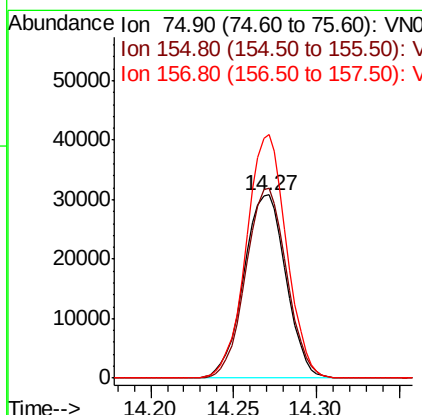
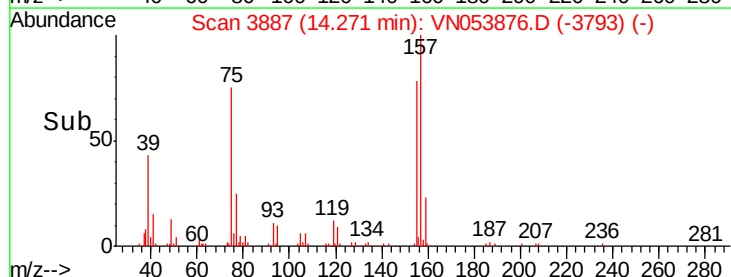
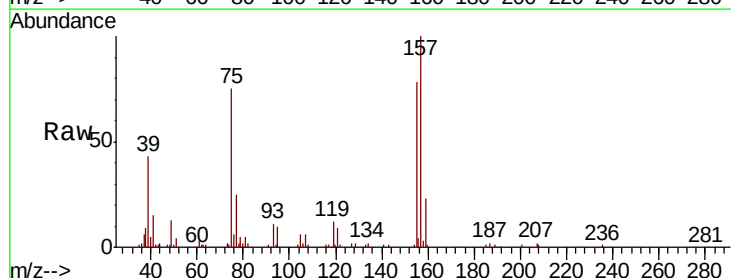
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

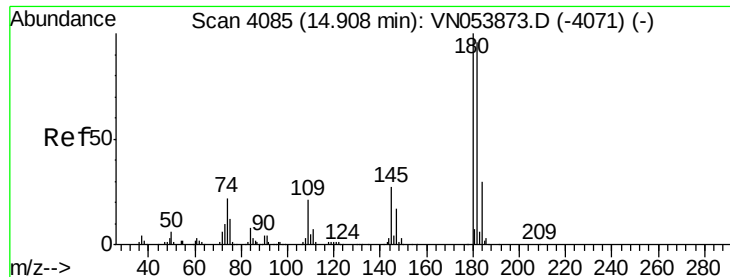
Tgt Ion:146 Resp: 765441
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.5
 148 65.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.139 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion: 75 Resp: 54775
 Ion Ratio Lower Upper
 75 100
 155 100.0 49.5 148.5
 157 126.2 64.8 194.6

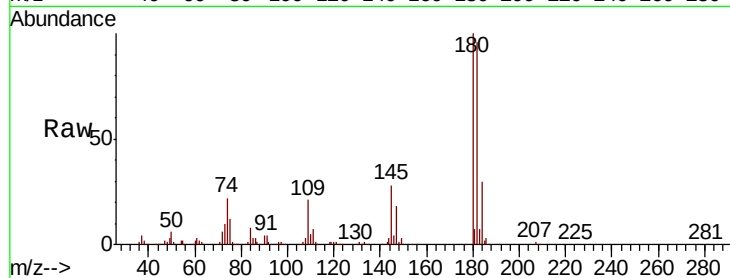




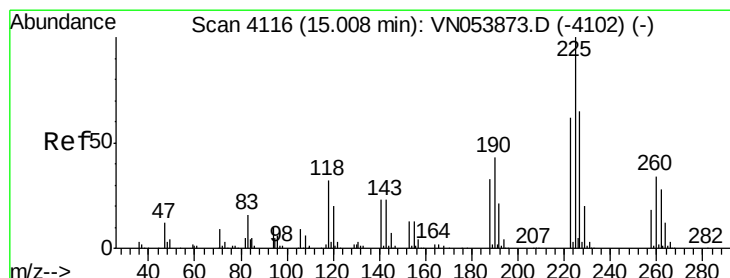
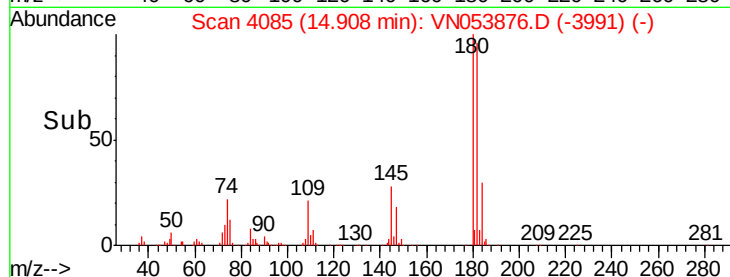
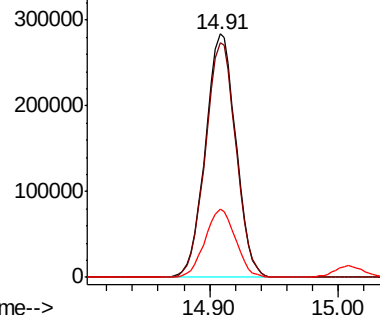
#93
 1,2,4-Trichlorobenzene
 Concen: 48.727 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022019

Tgt Ion:180 Resp: 465740
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.6 145.9
 145 28.0 13.8 41.3

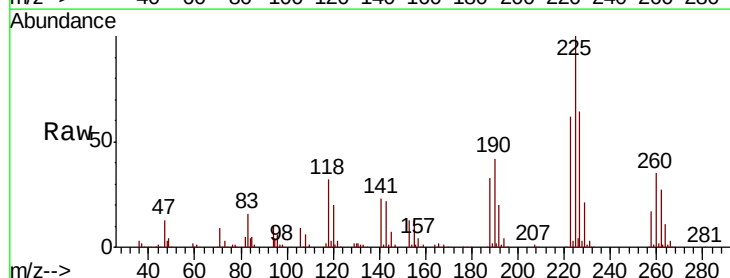


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

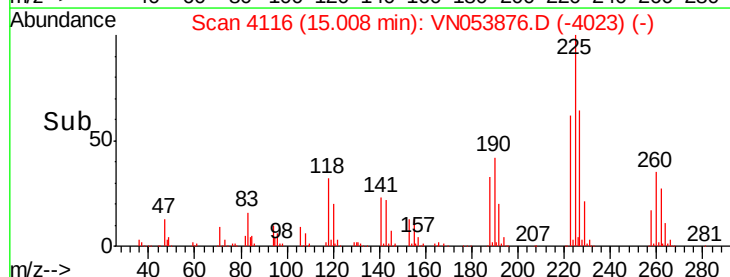
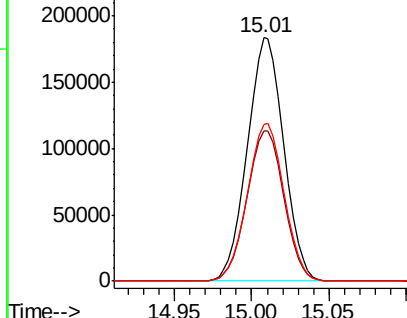


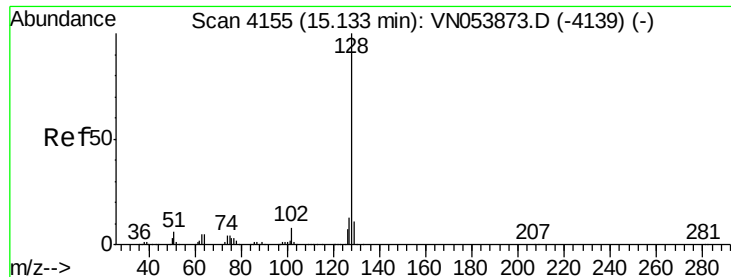
#94
 Hexachlorobutadiene
 Concen: 45.759 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053876.D
 Acq: 20 Feb 2019 11:23

Tgt Ion:225 Resp: 301585
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.5
 227 65.2 32.5 97.4



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

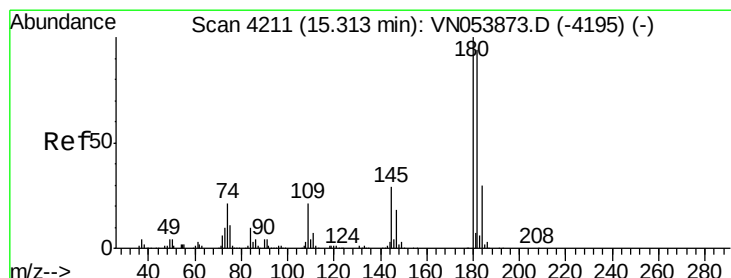
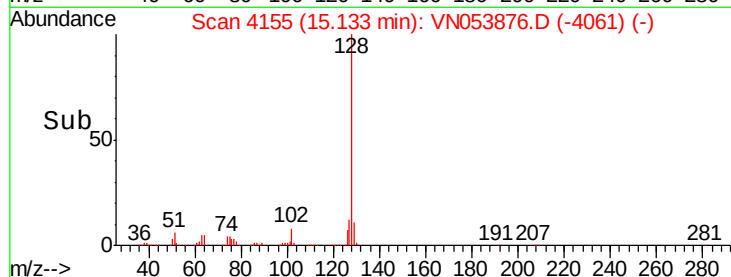
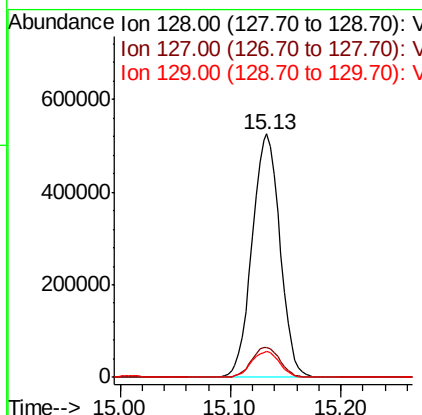
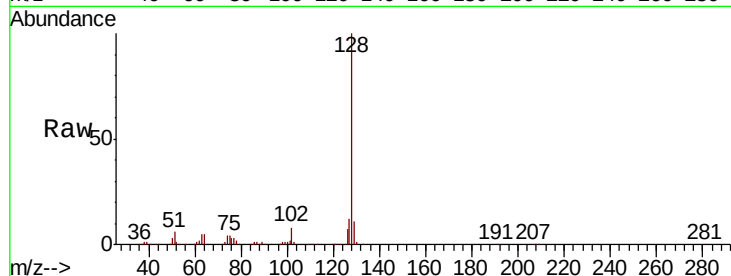




#95
Naphthalene
Concen: 47.680 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022019

Tgt Ion:128 Resp: 919516
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.953 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053876.D
Acq: 20 Feb 2019 11:23

Tgt Ion:180 Resp: 434564
Ion Ratio Lower Upper
180 100
182 96.5 47.3 141.8
145 29.5 14.4 43.0

