

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064118.D
 Acq On : 14 Oct 2020 17:09
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Quant Time: Oct 15 05:56:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	400824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	649395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	609705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	304464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	255347	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	7.55	113	206548	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.06	98	800869	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.38	95	287660	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	195433	51.750	ug/l	98
3) Chloromethane	2.04	50	222221	47.243	ug/l	97
4) Vinyl Chloride	2.16	62	280639	47.932	ug/l	97
5) Bromomethane	2.53	94	220610	50.209	ug/l	99
6) Chloroethane	2.67	64	211767	45.494	ug/l	100
7) Trichlorofluoromethane	2.98	101	393277	48.836	ug/l	97
8) Diethyl Ether	3.37	74	124019	49.225	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	201285	50.917	ug/l	99
10) Methyl Iodide	3.91	142	266940	47.897	ug/l	100
11) Tert butyl alcohol	4.72	59	155246	245.615	ug/l	99
12) 1,1-Dichloroethene	3.70	96	196332	49.179	ug/l	97
13) Acrolein	3.57	56	120932	232.935	ug/l	96
14) Allyl chloride	4.28	41	304773	48.929	ug/l	99
15) Acrylonitrile	4.93	53	439928	242.406	ug/l	99
16) Acetone	3.77	43	482532	284.972	ug/l	98
17) Carbon Disulfide	4.01	76	565208	49.534	ug/l	100
18) Methyl Acetate	4.27	43	201524	47.445	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	600868	51.028	ug/l	98
20) Methylene Chloride	4.50	84	238143	45.453	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	227356	50.232	ug/l	96
22) Diisopropyl ether	5.90	45	626230	51.752	ug/l	95
23) Vinyl Acetate	5.84	43	2891785	267.540	ug/l	99
24) 1,1-Dichloroethane	5.80	63	410334	48.559	ug/l	99
25) 2-Butanone	6.78	43	679151	260.769	ug/l	99
26) 2,2-Dichloropropane	6.78	77	371908	52.900	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	263678	49.522	ug/l	99
28) Bromochloromethane	7.15	49	188639	46.869	ug/l #	97
29) Tetrahydrofuran	7.16	42	372818	244.934	ug/l	99
30) Chloroform	7.33	83	441612	49.056	ug/l	99
31) Cyclohexane	7.61	56	306974	48.643	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	383000	49.236	ug/l	98
36) 1,1-Dichloropropene	7.75	75	318676	50.912	ug/l	97
37) Ethyl Acetate	6.88	43	284182	51.158	ug/l	99
38) Carbon Tetrachloride	7.73	117	343053	50.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	298117	56.653	ug/l	99
40) Benzene	8.00	78	979684	51.685	ug/l	98
41) Methacrylonitrile	7.13	41	143744	59.770	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	343206	50.887	ug/l	99
43) Isopropyl Acetate	8.13	43	478320	51.889	ug/l #	91
44) Trichloroethene	8.80	130	259882	52.140	ug/l	95
45) 1,2-Dichloropropane	9.08	63	253660	51.077	ug/l	97
46) Dibromomethane	9.17	93	178416	50.638	ug/l	99
47) Bromodichloromethane	9.37	83	353793	51.323	ug/l	99
48) Methyl methacrylate	9.17	41	228233	53.601	ug/l	99
49) 1,4-Dioxane	9.16	88	65011	1005.483	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1444897	264.895	ug/l	99
52) Toluene	10.12	92	629163	54.020	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	392918	55.552	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	422725	54.393	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	249227	51.653	ug/l	99
56) Ethyl methacrylate	10.40	69	344640	49.329	ug/l	98
57) 1,3-Dichloropropane	10.68	76	407787	51.320	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	876855	246.786	ug/l	99
59) 2-Hexanone	10.72	43	1080566	256.118	ug/l	100
60) Dibromochloromethane	10.87	129	281580	51.952	ug/l	99
61) 1,2-Dibromoethane	10.98	107	262379	53.426	ug/l	100
64) Tetrachloroethene	10.60	164	240780	52.380	ug/l	96
65) Chlorobenzene	11.41	112	684012	53.274	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	261973	53.742	ug/l	99
67) Ethyl Benzene	11.48	91	1207448	56.139	ug/l	98
68) m/p-Xylenes	11.59	106	934725	105.303	ug/l	99
69) o-Xylene	11.92	106	436039	51.349	ug/l	99
70) Styrene	11.94	104	749371	51.172	ug/l	100
71) Bromoform	12.10	173	201742	49.959	ug/l	99
73) Isopropylbenzene	12.22	105	1161671	52.674	ug/l	100
74) N-amyl acetate	12.05	43	427987	51.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	353808	46.597	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	466838	65.357	ug/l #	100
77) Bromobenzene	12.50	156	299885	50.088	ug/l	100
78) n-propylbenzene	12.57	91	1324428	53.806	ug/l	100
79) 2-Chlorotoluene	12.65	91	785552	50.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	963378	54.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	121197	51.838	ug/l	100
82) 4-Chlorotoluene	12.75	91	845399	53.580	ug/l	100
83) tert-Butylbenzene	12.97	119	790075	53.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	978843	53.041	ug/l	99
85) sec-Butylbenzene	13.15	105	1048218	55.697	ug/l	99
86) p-Isopropyltoluene	13.26	119	956049	53.660	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	538353	53.967	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	536548	52.587	ug/l	100
89) n-Butylbenzene	13.59	91	813082	59.290	ug/l	99
90) Hexachloroethane	13.85	117	156783	50.057	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	528430	53.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	66879	45.763	ug/l	97

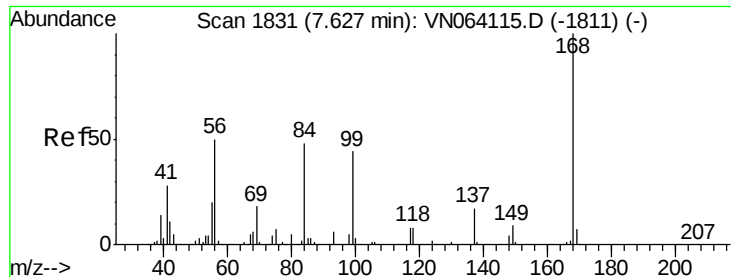
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	253294	51.829	ug/l	97
94) Hexachlorobutadiene	14.98	225	132577	56.052	ug/l	99
95) Naphthalene	15.10	128	722081	48.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	250455	51.454	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

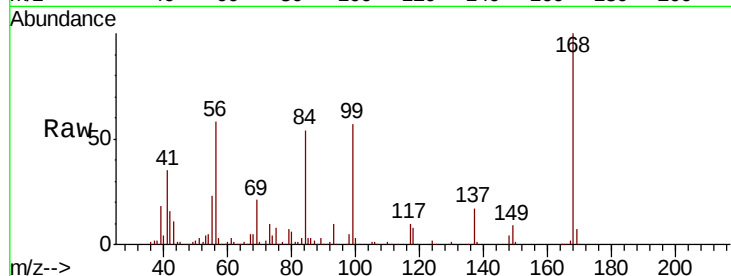
ICVFN101420

Tot Ion:168 Resp: 400824

Ion Ratio Lower Upper

168 100

99 56.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

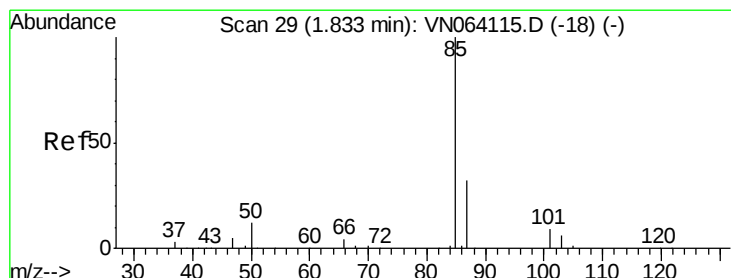
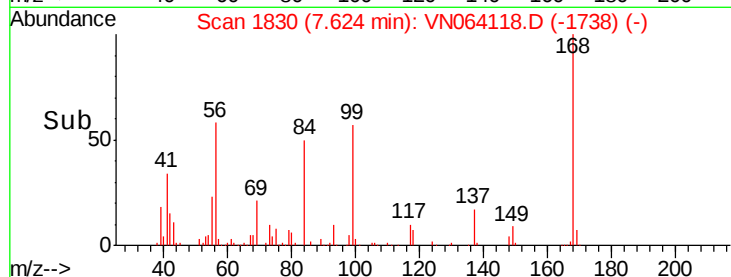
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 51.750 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064118.D

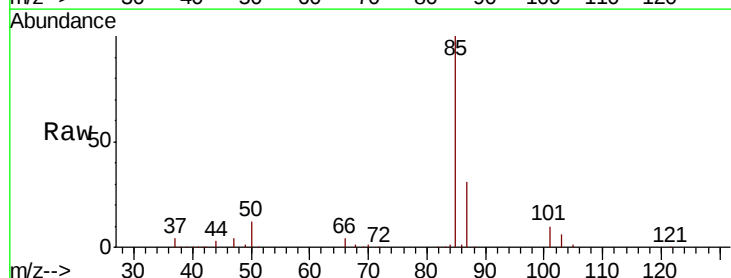
Acq: 14 Oct 2020 17:09

Tgt Ion: 85 Resp: 195433

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

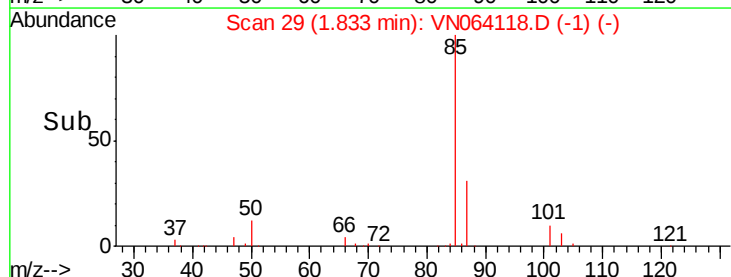
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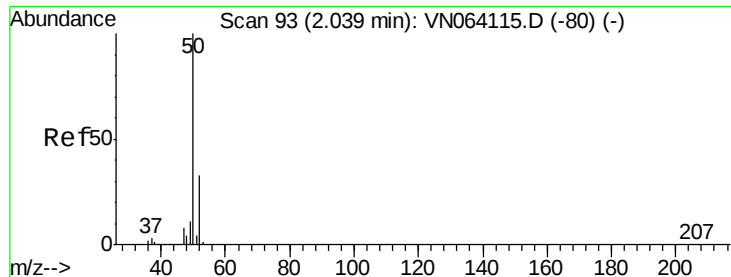
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.243 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

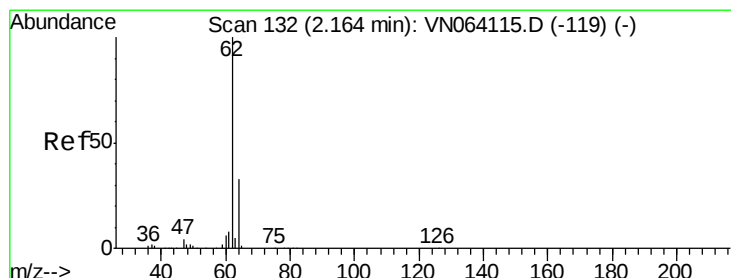
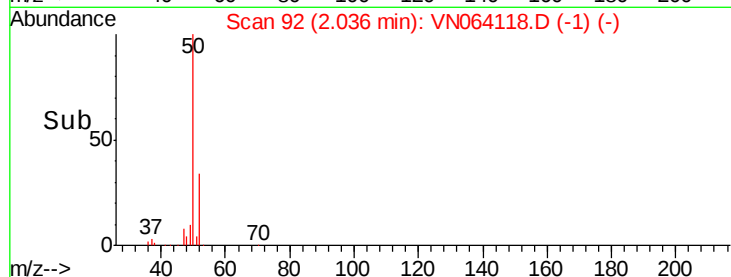
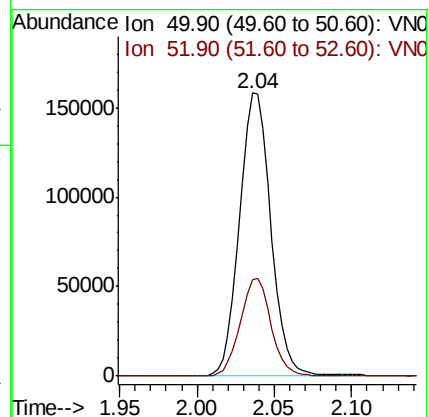
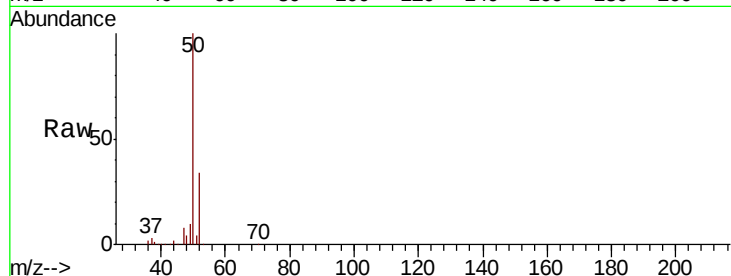
ICVFN101420

Tot Ion: 50 Resp: 222221

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1



#4

Vinyl Chloride

Concen: 47.932 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064118.D

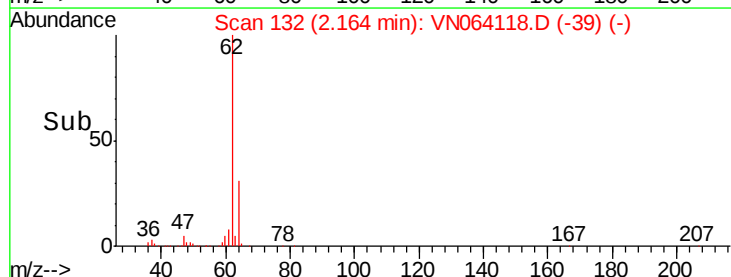
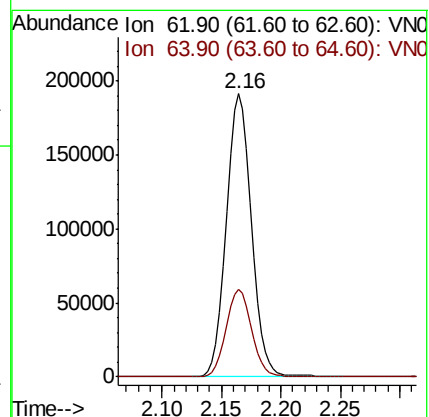
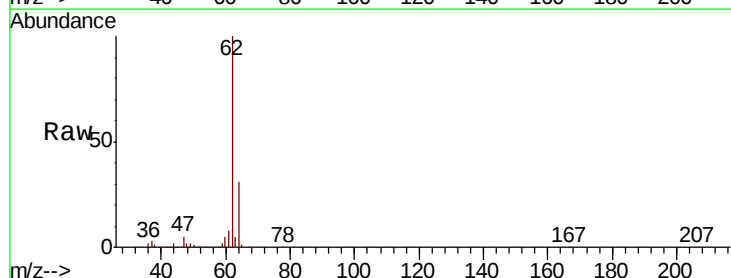
Acq: 14 Oct 2020 17:09

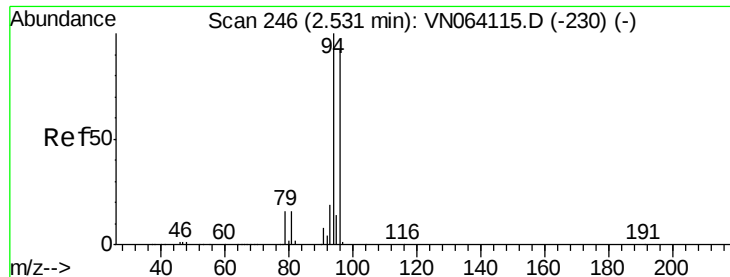
Tgt Ion: 62 Resp: 280639

Ion Ratio Lower Upper

62 100

64 31.0 26.2 39.4





#5

Bromomethane

Concen: 50.209 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

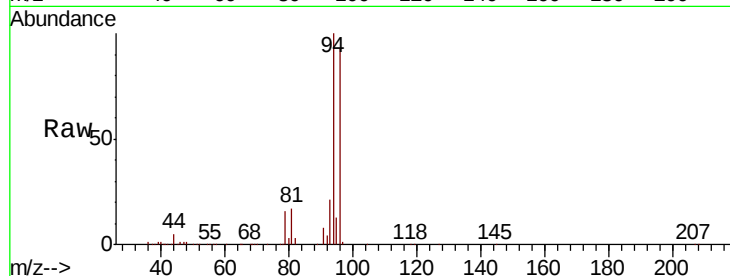
ICVFN101420

Tot Ion: 94 Resp: 220610

Ion Ratio Lower Upper

94 100

96 92.9 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN064118.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064118.D (-230) (-)

2.53

120000

100000

80000

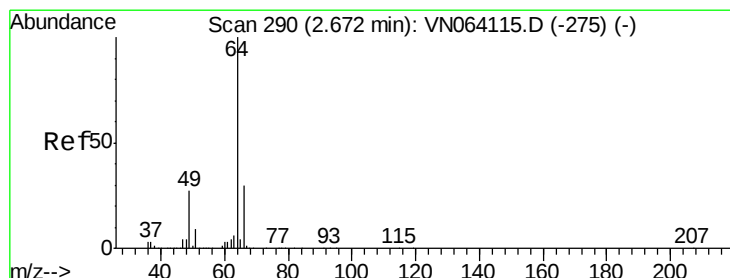
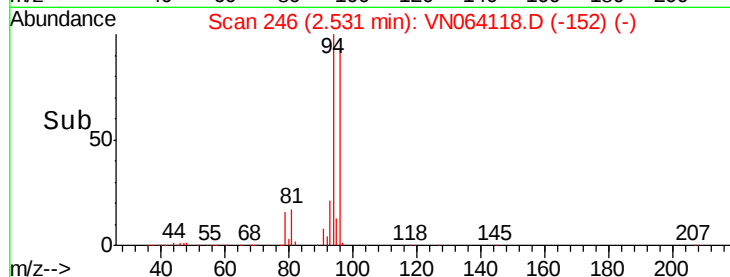
60000

40000

20000

0

Time--> 2.40 2.50 2.60



#6

Chloroethane

Concen: 45.494 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064118.D

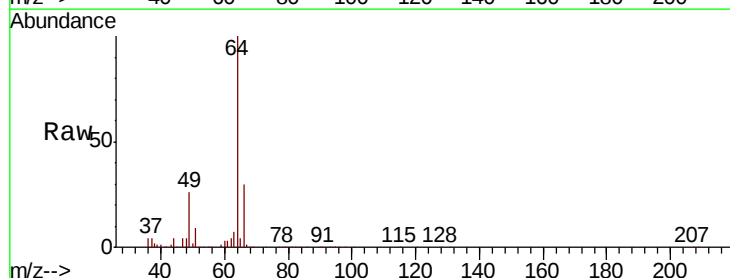
Acq: 14 Oct 2020 17:09

Tgt Ion: 64 Resp: 211767

Ion Ratio Lower Upper

64 100

66 30.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN064118.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN064118.D (-275) (-)

2.67

120000

100000

80000

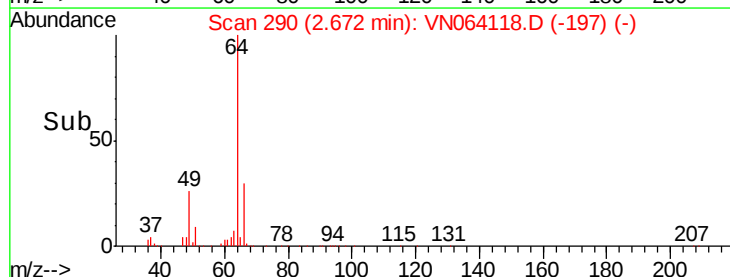
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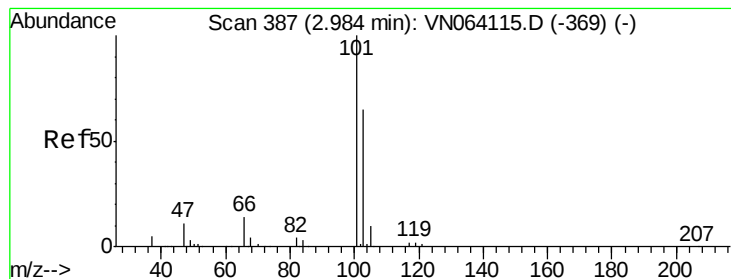
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20000

0

Time--> 2.55 2.60 2.65 2.70 2.75



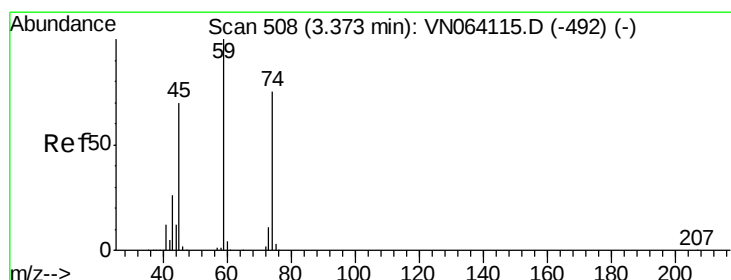
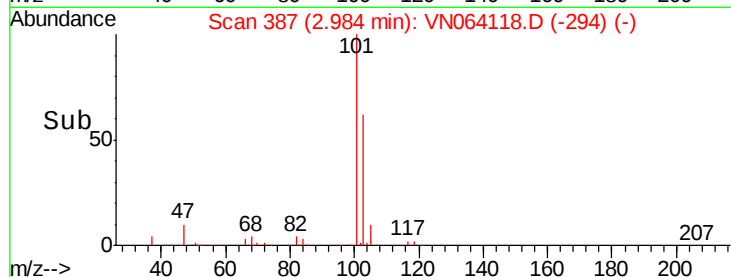
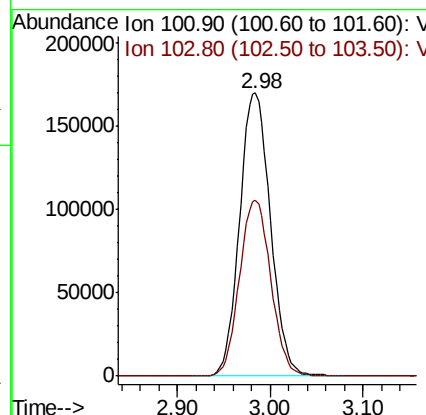
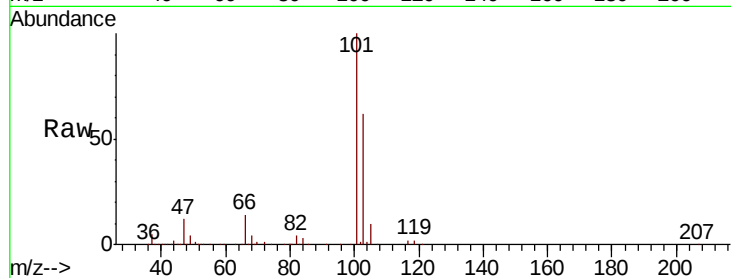


#7

Trichlorofluoromethane
Concen: 48.836 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

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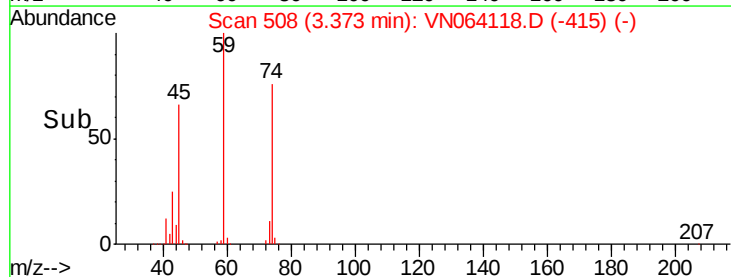
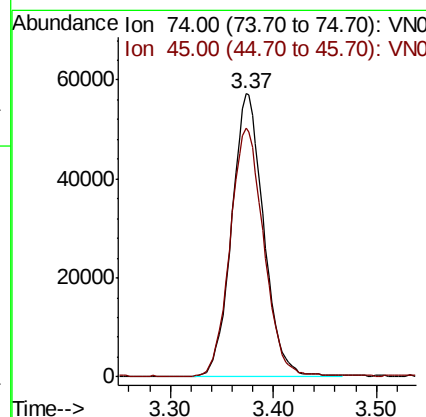
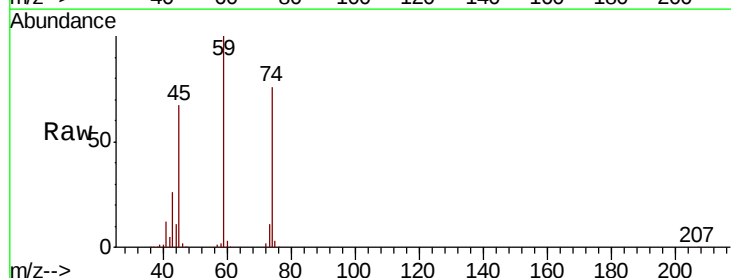
Tot Ion:101 Resp: 393277
Ion Ratio Lower Upper
101 100
103 62.0 51.8 77.6

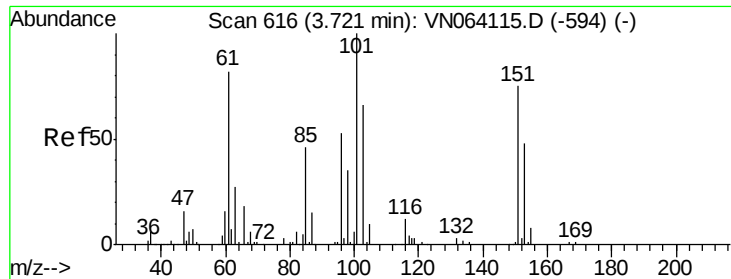


#8

Diethyl Ether
Concen: 49.225 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 74 Resp: 124019
Ion Ratio Lower Upper
74 100
45 92.6 47.0 141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.917 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101420

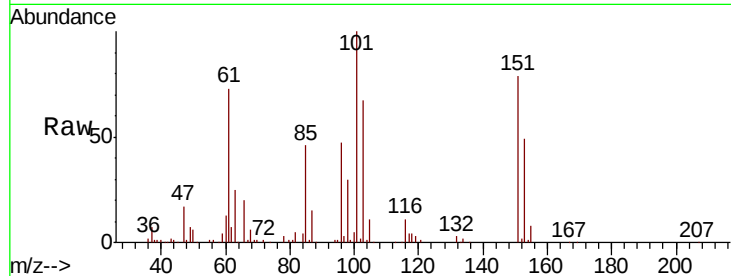
Tot Ion:101 Resp: 201285

Ion Ratio Lower Upper

101 100

85 45.2 36.9 55.3

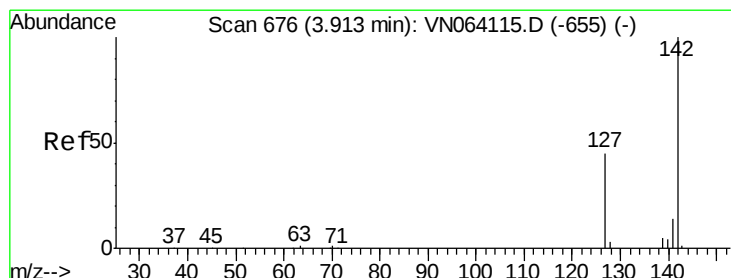
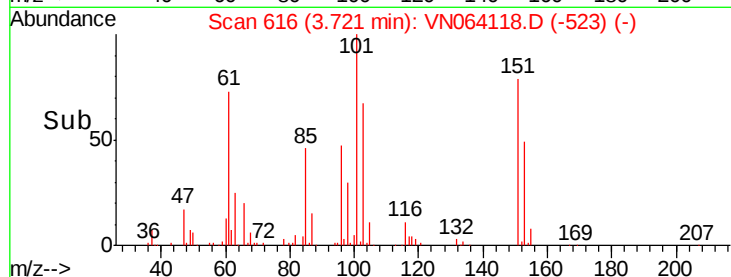
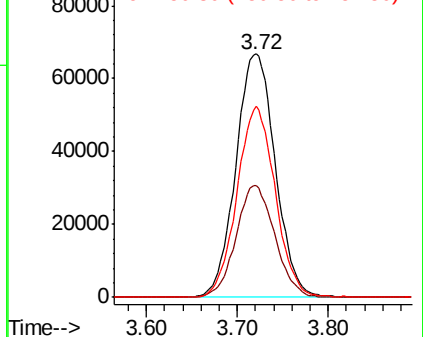
151 76.1 60.7 91.1



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: 47.897 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

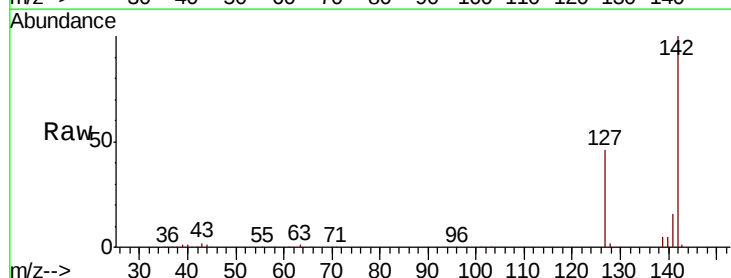
Tgt Ion:142 Resp: 266940

Ion Ratio Lower Upper

142 100

127 45.4 36.3 54.5

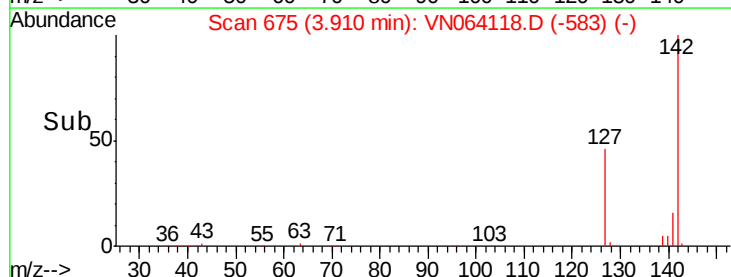
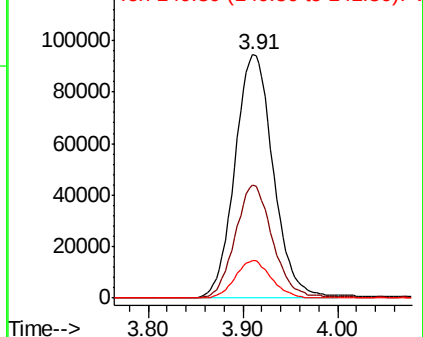
141 14.7 11.6 17.4

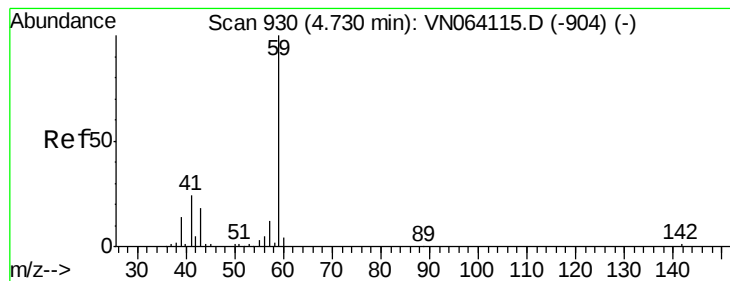


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 245.615 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

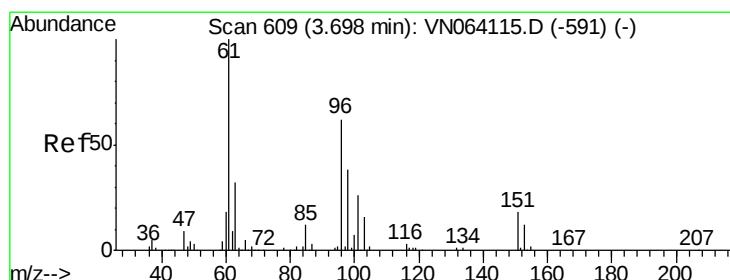
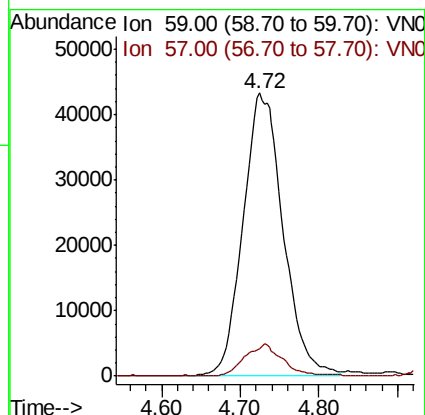
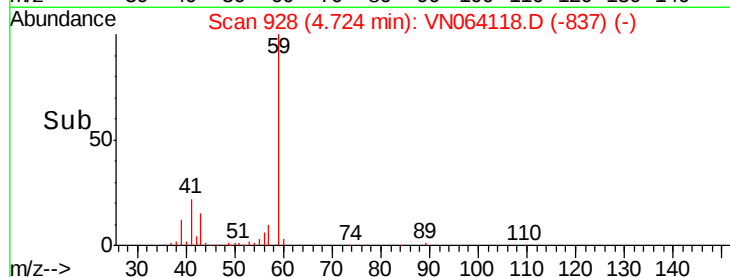
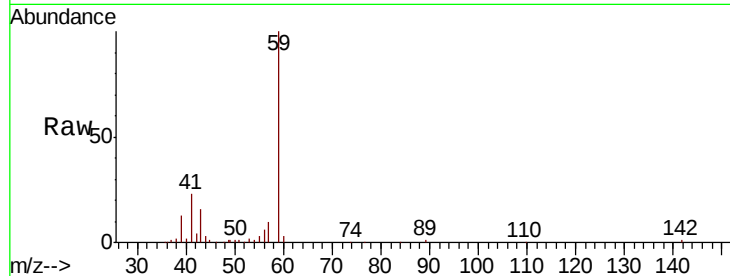
ICVVN101420

Tot Ion: 59 Resp: 155246

Ion Ratio Lower Upper

59 100

57 10.6 8.9 13.3



#12

1,1-Dichloroethene

Concen: 49.179 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

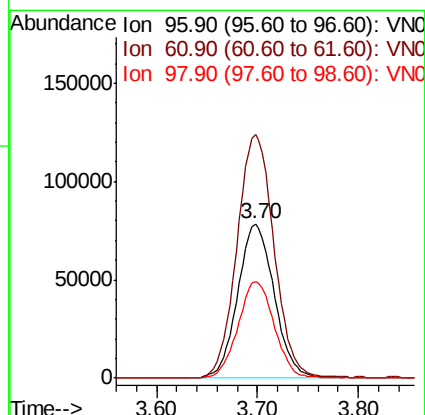
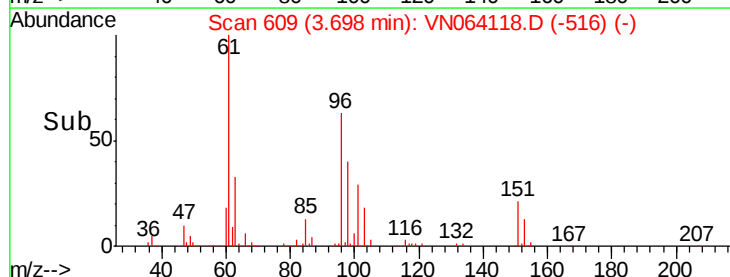
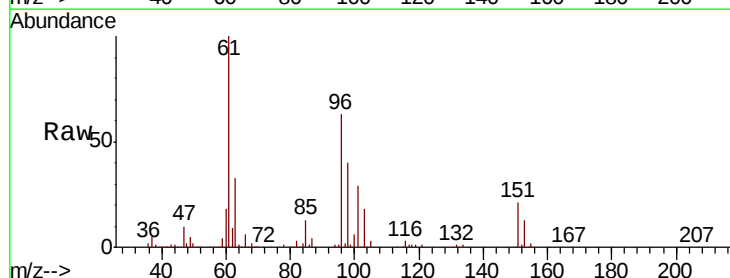
Tgt Ion: 96 Resp: 196332

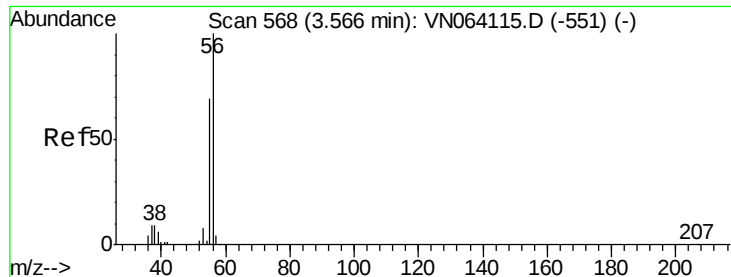
Ion Ratio Lower Upper

96 100

61 157.9 129.9 194.9

98 62.7 48.9 73.3





#13

Acrolein

Concen: 232.935 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampled :

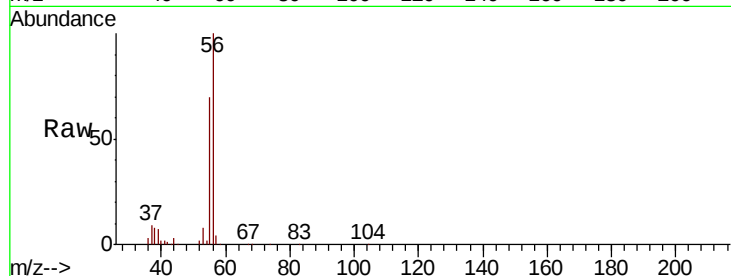
ICVVN101420

Tot Ion: 56 Resp: 120932

Ion Ratio Lower Upper

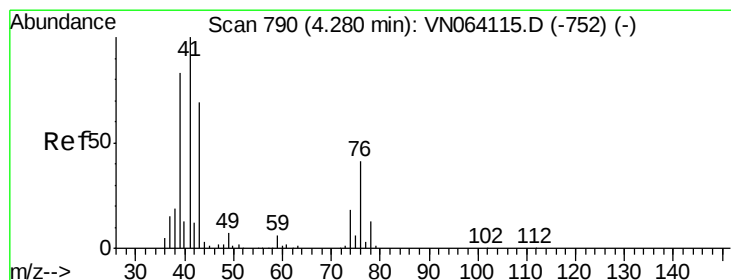
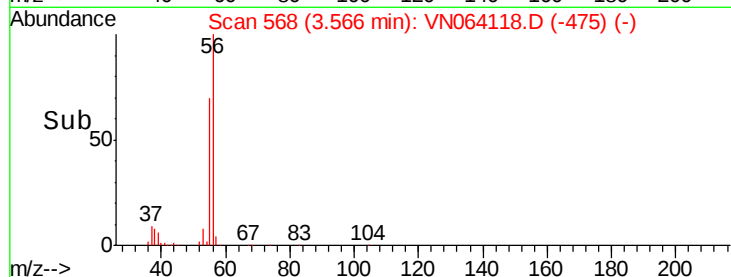
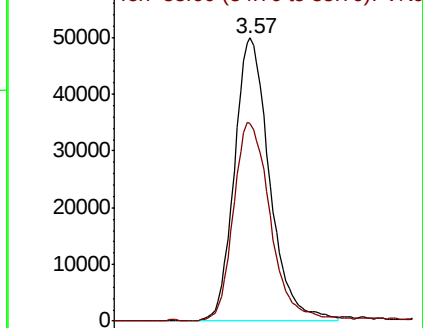
56 100

55 73.2 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.929 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

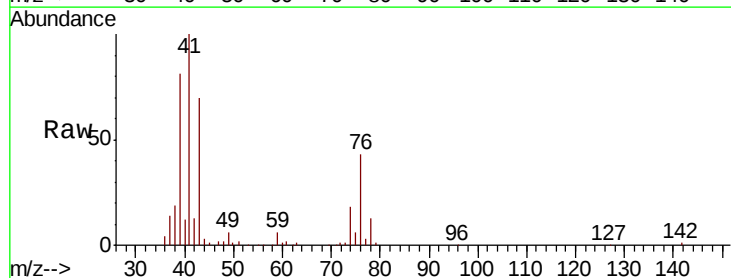
Tgt Ion: 41 Resp: 304773

Ion Ratio Lower Upper

41 100

39 75.7 60.5 90.7

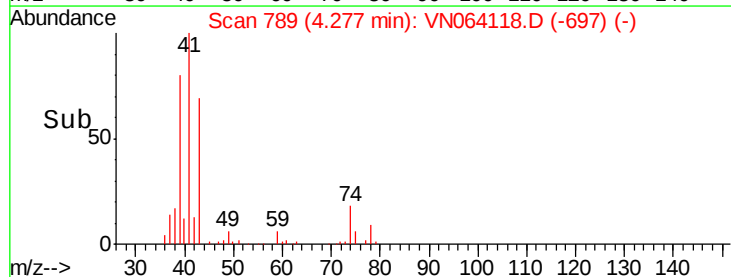
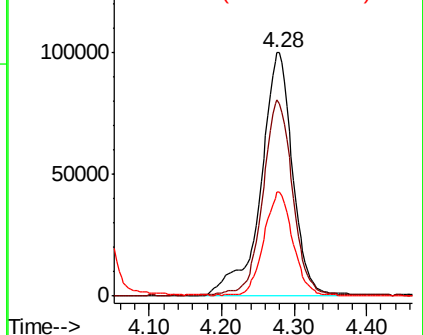
76 38.1 29.5 44.3

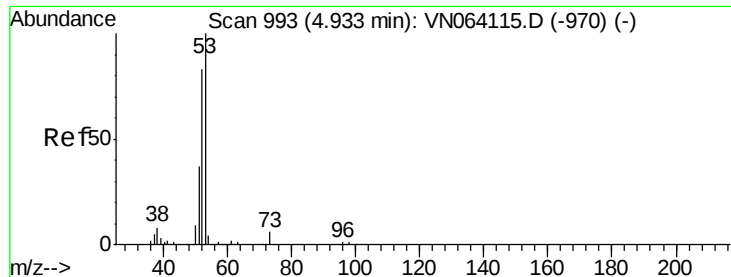


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 242.406 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

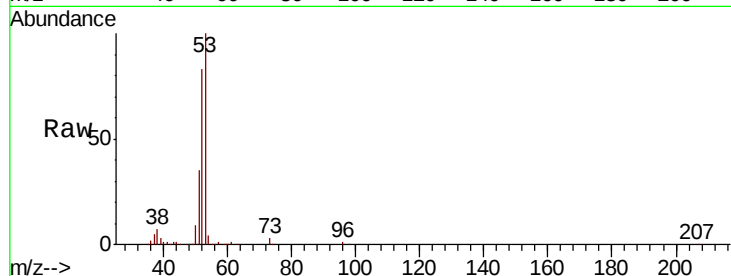
Tot Ion: 53 Resp: 439928

Ion Ratio Lower Upper

53 100

52 83.6 65.8 98.6

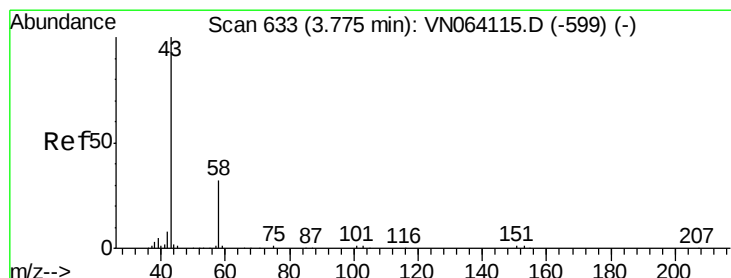
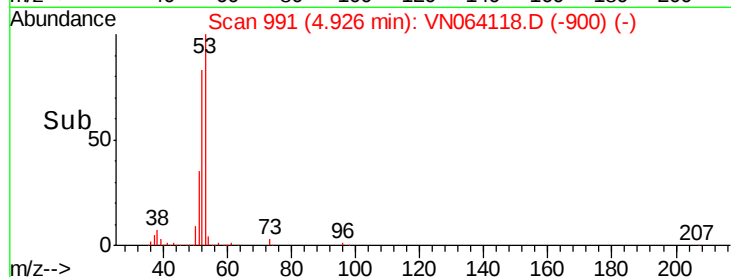
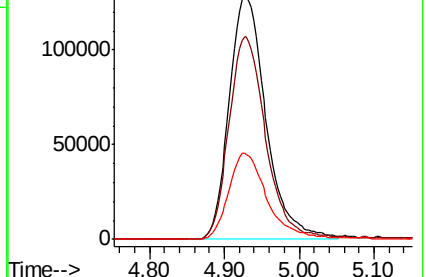
51 36.8 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN064118.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064118.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064118.D (-970) (-)



#16

Acetone

Concen: 284.972 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064118.D

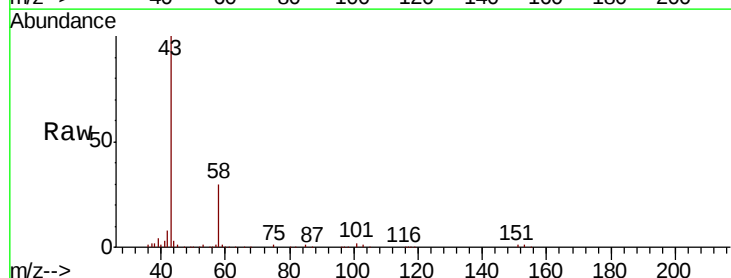
Acq: 14 Oct 2020 17:09

Tgt Ion: 43 Resp: 482532

Ion Ratio Lower Upper

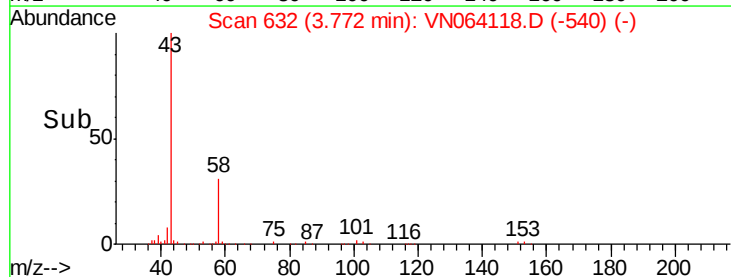
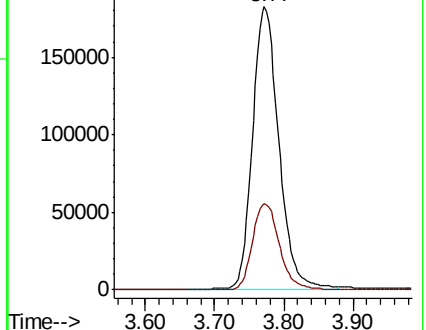
43 100

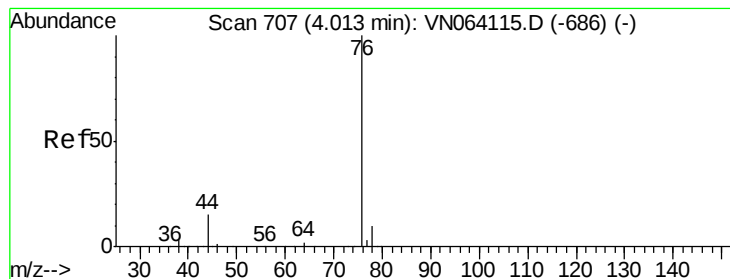
58 30.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN064118.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN064118.D (-599) (-)





#17

Carbon Disulfide

Concen: 49.534 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

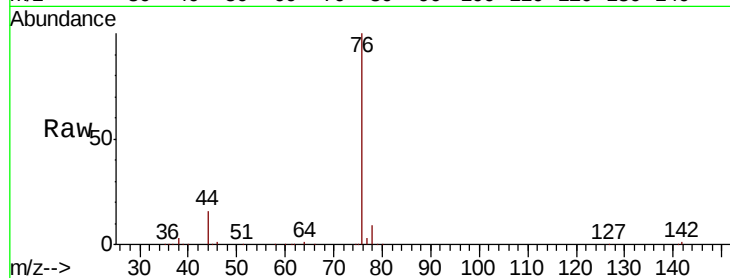
ICVVN101420

Tot Ion: 76 Resp: 565208

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN064118.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN064118.D (-686) (-)

4.01

200000

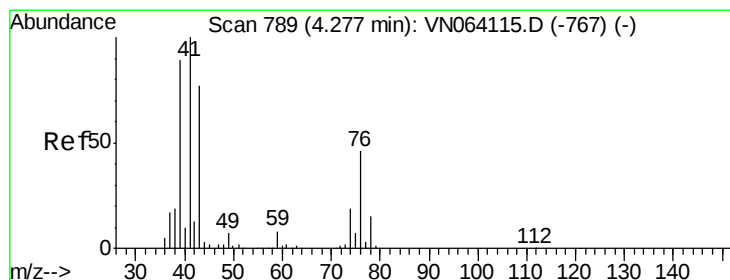
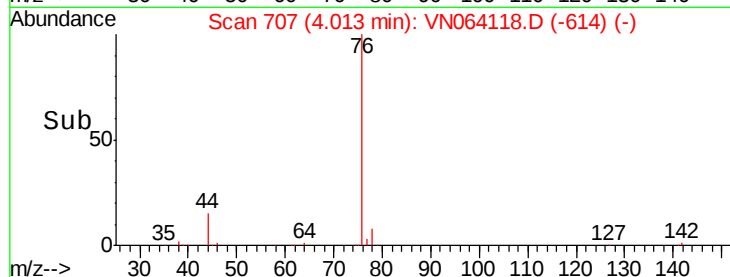
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.445 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064118.D

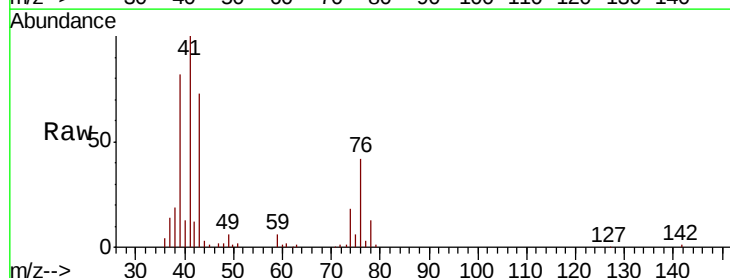
Acq: 14 Oct 2020 17:09

Tgt Ion: 43 Resp: 201524

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN064118.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN064118.D (-767) (-)

4.27

80000

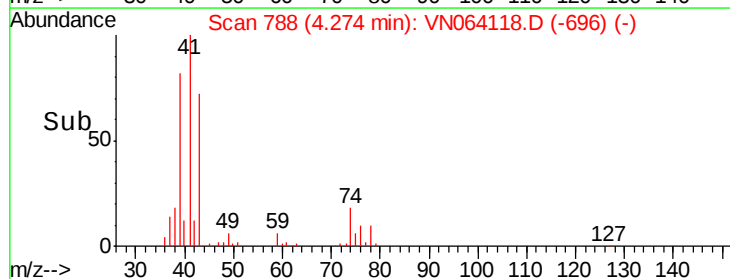
60000

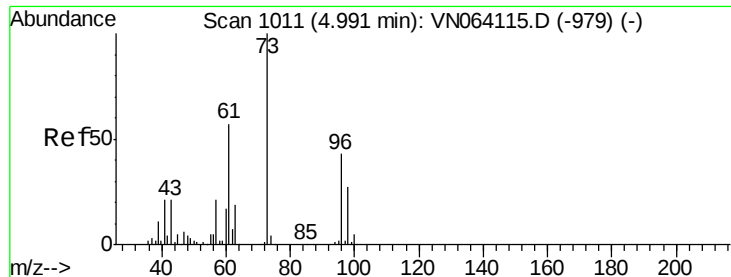
40000

20000

0

Time-->



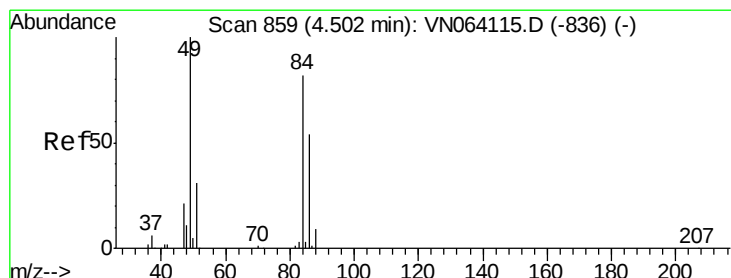
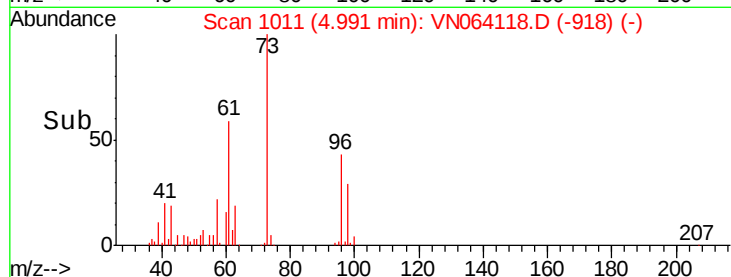
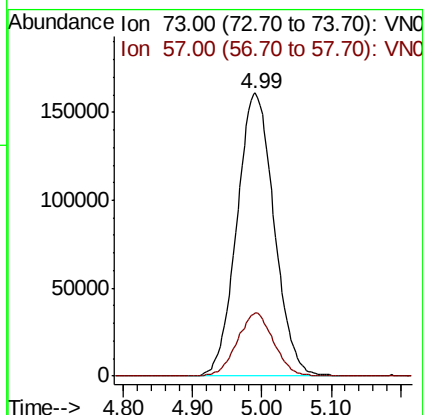
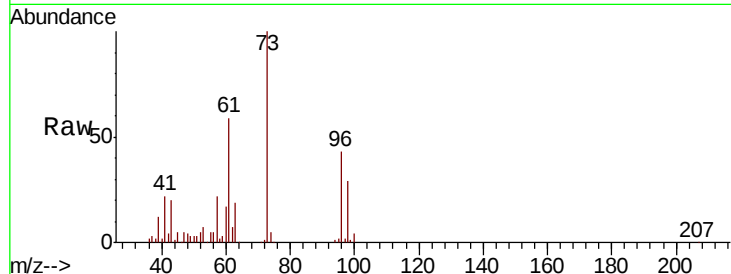


#19

Methyl tert-butyl Ether
 Concen: 51.028 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

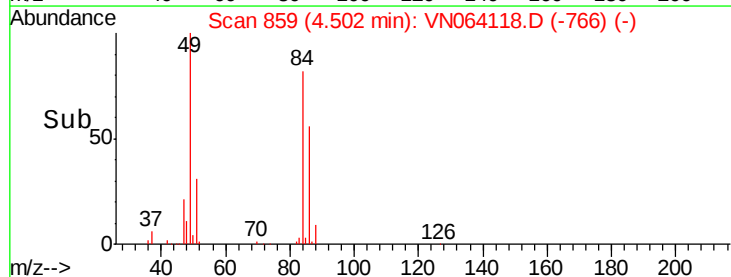
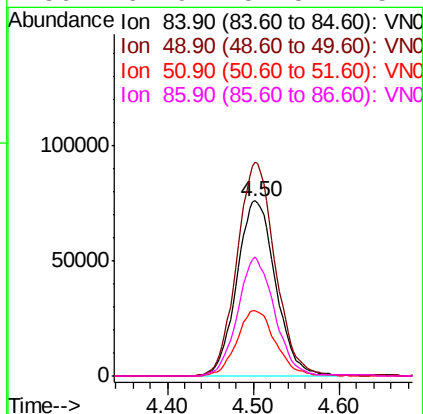
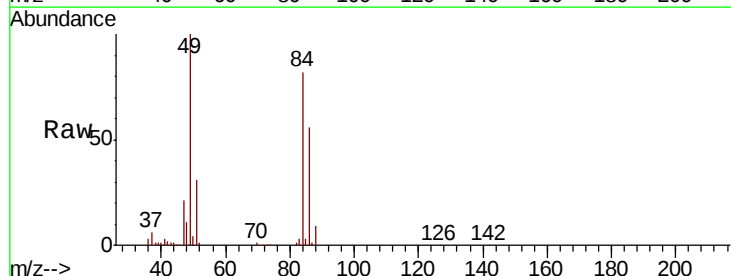
Tot Ion: 73 Resp: 600868
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.0 25.4

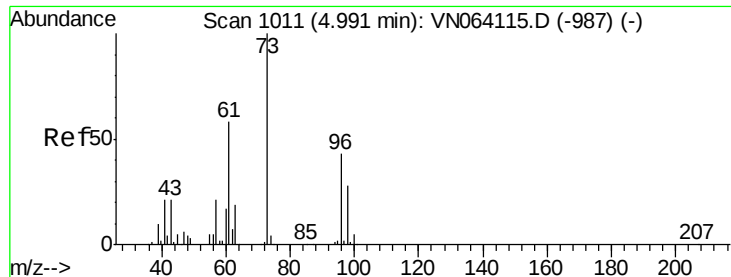


#20

Methylene Chloride
 Concen: 45.453 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion: 84 Resp: 238143
 Ion Ratio Lower Upper
 84 100
 49 121.9 97.4 146.0
 51 37.5 29.7 44.5
 86 67.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.232 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101420

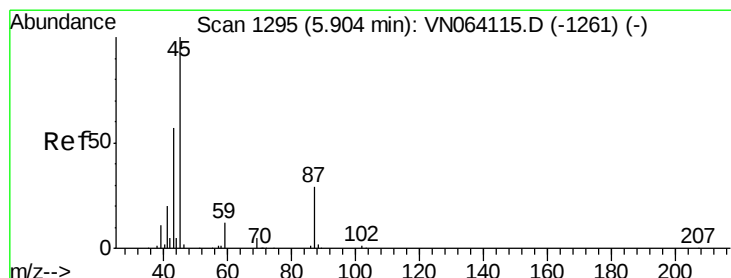
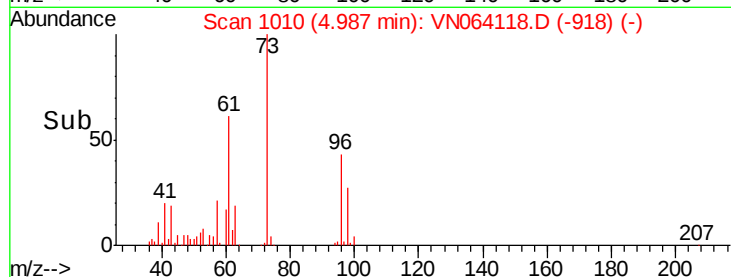
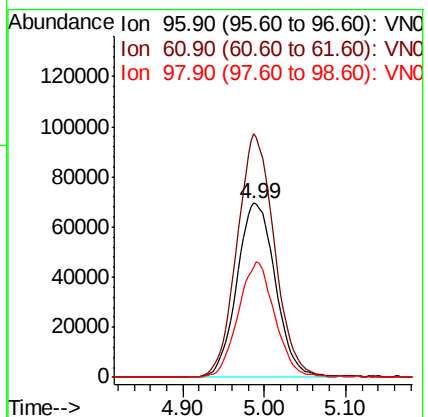
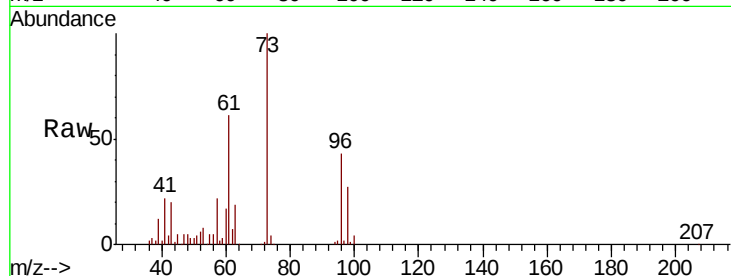
Tot Ion: 96 Resp: 227356

Ion Ratio Lower Upper

96 100

61 139.8 107.0 160.4

98 63.4 51.0 76.6



#22

Diisopropyl ether

Concen: 51.752 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion: 45 Resp: 626230

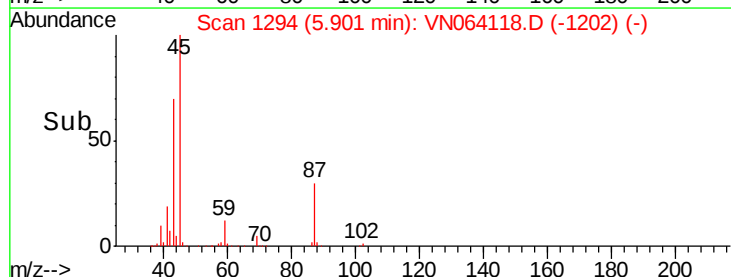
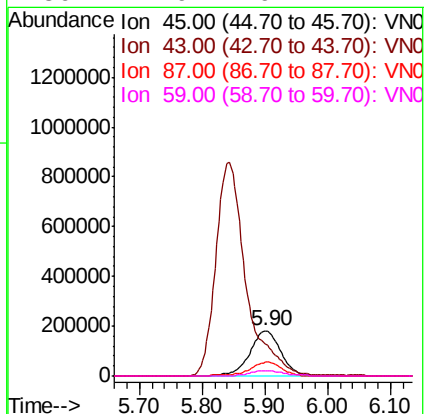
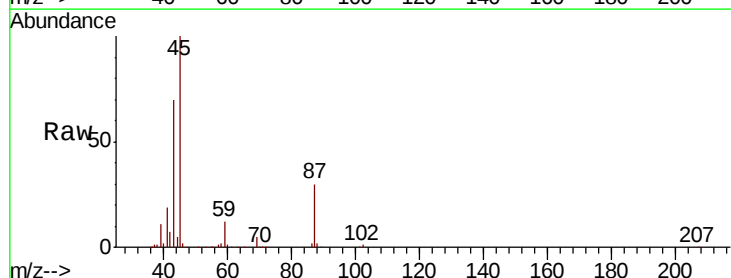
Ion Ratio Lower Upper

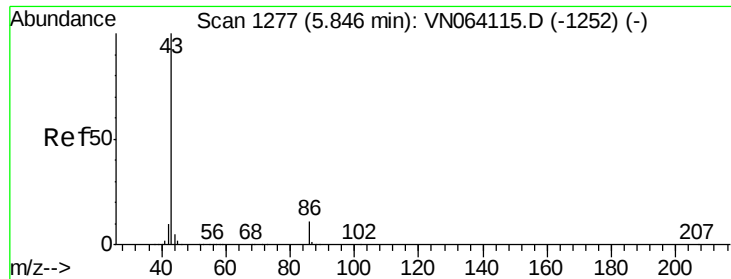
45 100

43 69.8 50.9 76.3

87 30.1 23.5 35.3

59 11.9 9.4 14.2

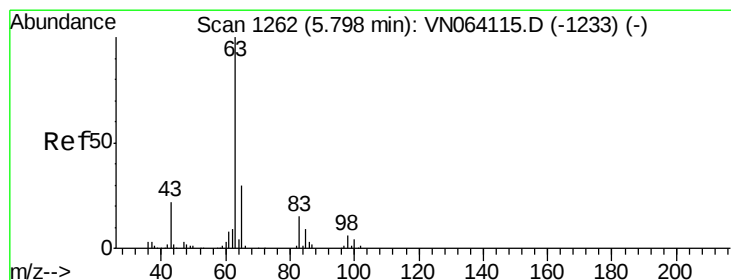
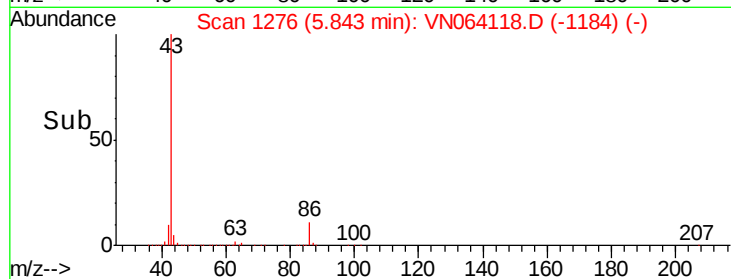
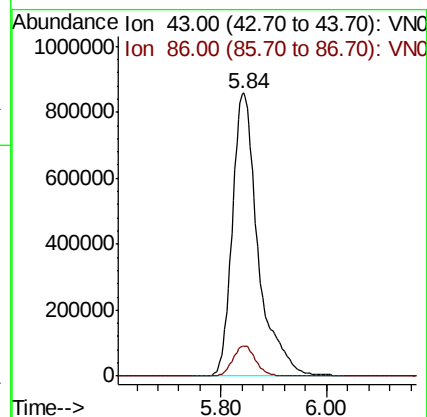
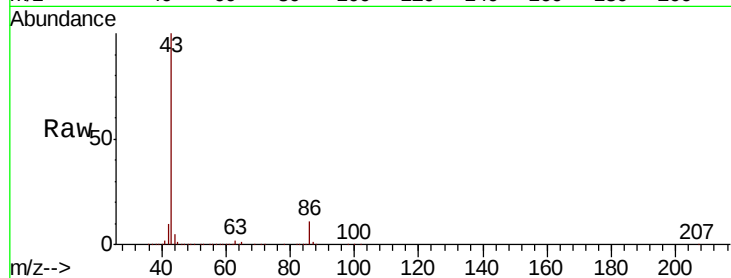




#23
 Vinyl Acetate
 Concen: 267.540 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

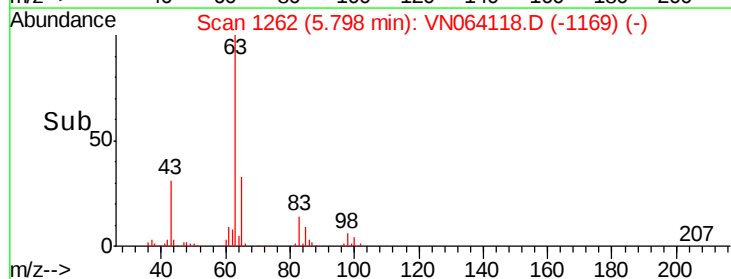
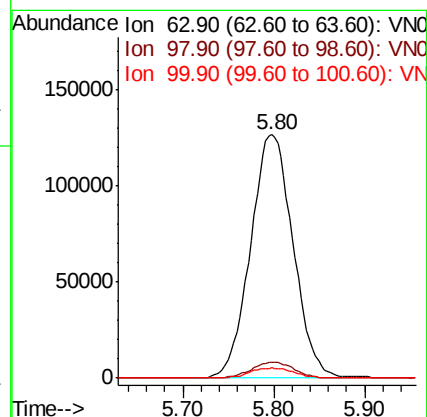
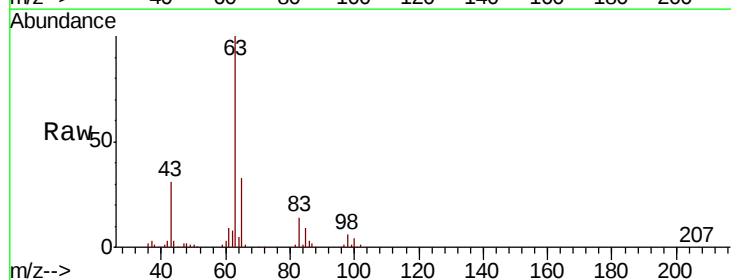
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

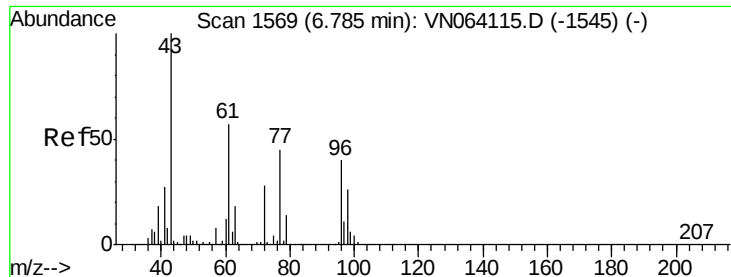
Tot Ion: 43 Resp: 2891785
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 48.559 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion: 63 Resp: 410334
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.3
 100 4.2 2.1 6.2





#25

2-Butanone

Concen: 260.769 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampled :

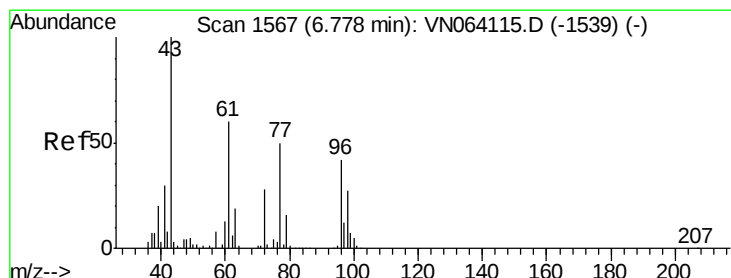
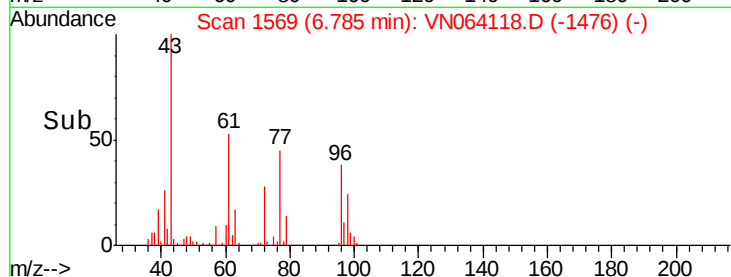
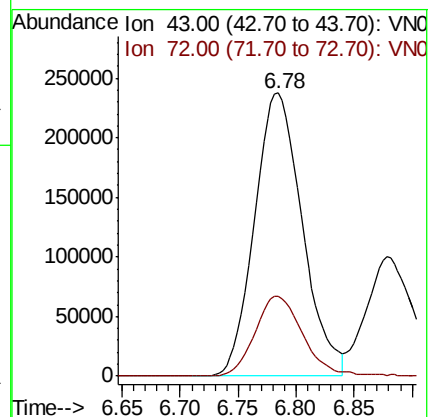
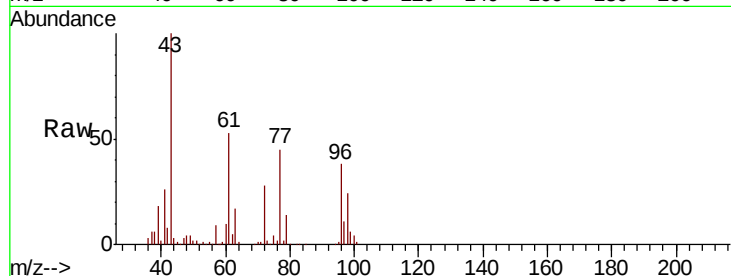
ICVVN101420

Tot Ion: 43 Resp: 679151

Ion Ratio Lower Upper

43 100

72 28.0 22.2 33.2



#26

2,2-Dichloropropane

Concen: 52.900 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064118.D

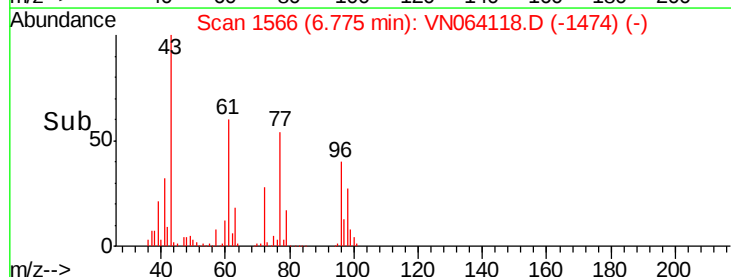
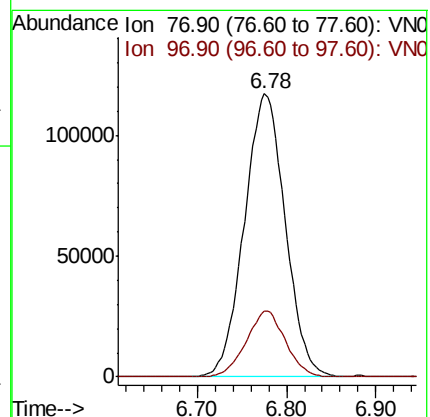
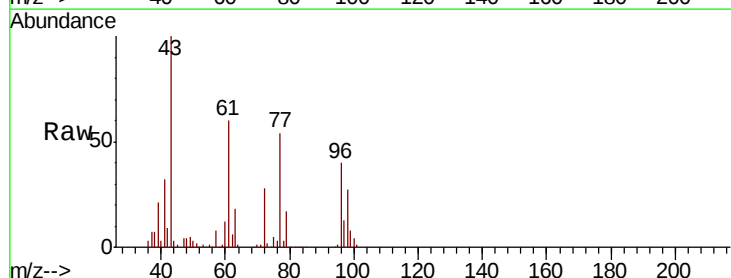
Acq: 14 Oct 2020 17:09

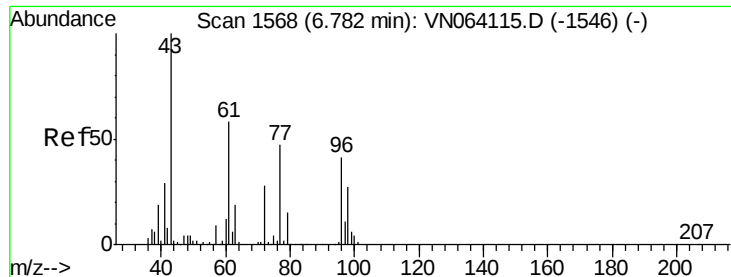
Tgt Ion: 77 Resp: 371908

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 49.522 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

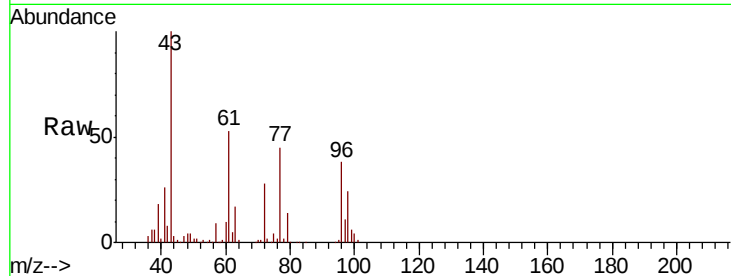
Tot Ion: 96 Resp: 263678

Ion Ratio Lower Upper

96 100

61 143.9 0.0 285.6

98 64.9 0.0 131.0

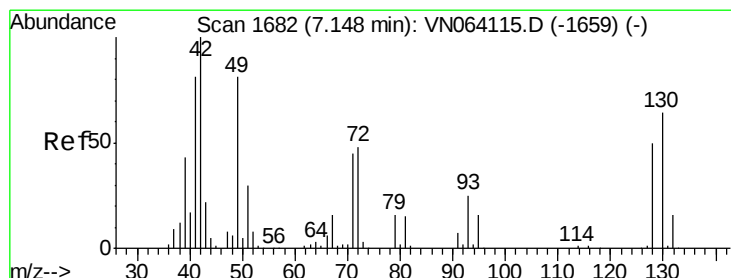
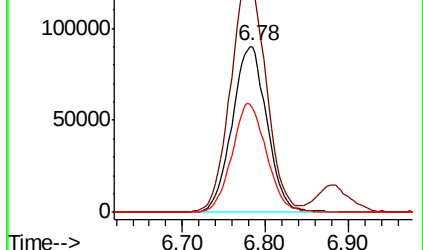
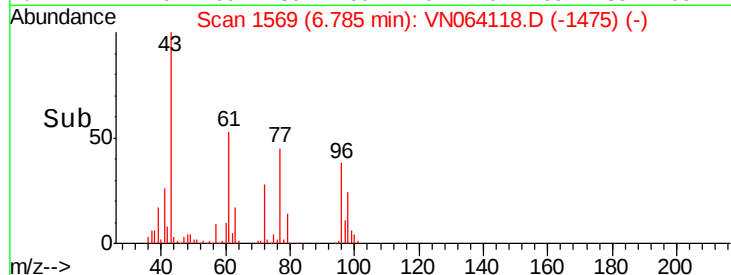


Abundance Ion 95.90 (95.60 to 96.60): VN064118.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064118.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064118.D (-1546) (-)

Time-->



#28

Bromochloromethane

Concen: 46.869 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

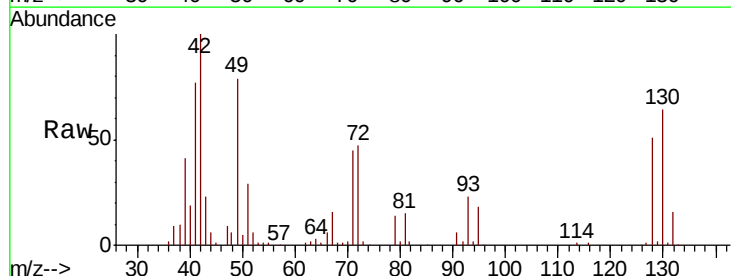
Tgt Ion: 49 Resp: 188639

Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.0#

130 80.6 0.0 0.0#

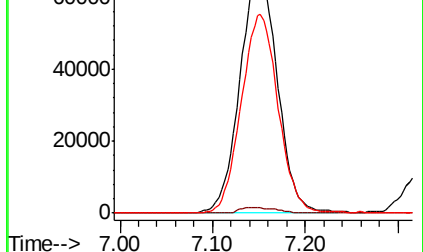
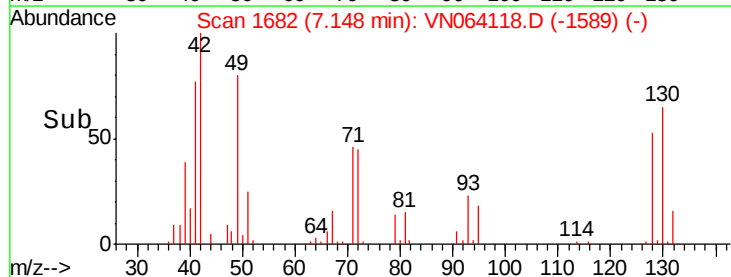


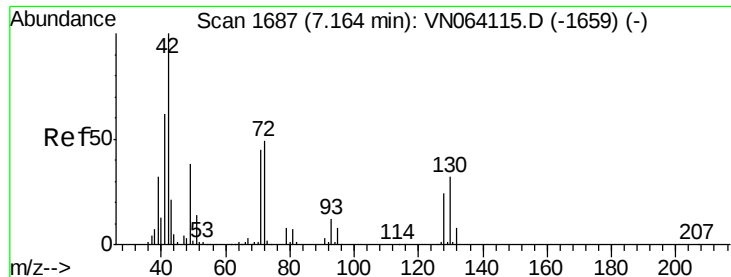
Abundance Ion 48.90 (48.60 to 49.60): VN064118.D (-1659) (-)

Ion 128.80 (128.50 to 129.50): VN064118.D (-1659) (-)

Ion 129.80 (129.50 to 130.50): VN064118.D (-1659) (-)

Time-->

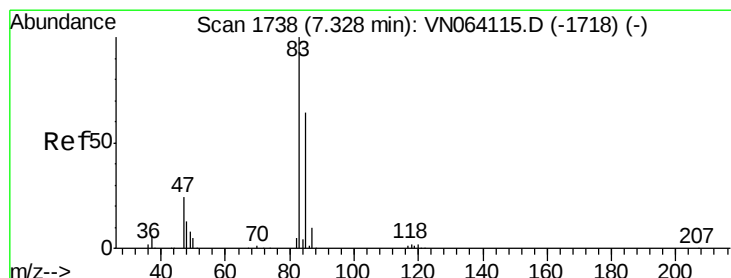
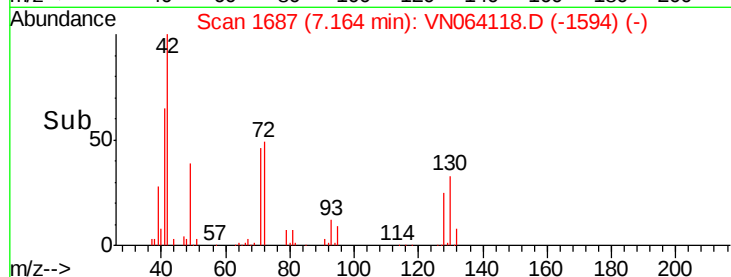
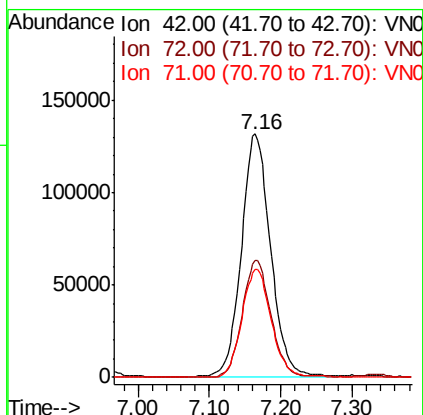
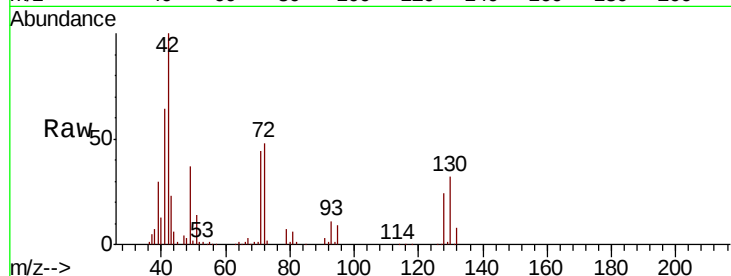




#29
Tetrahydrofuran
Concen: 244.934 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

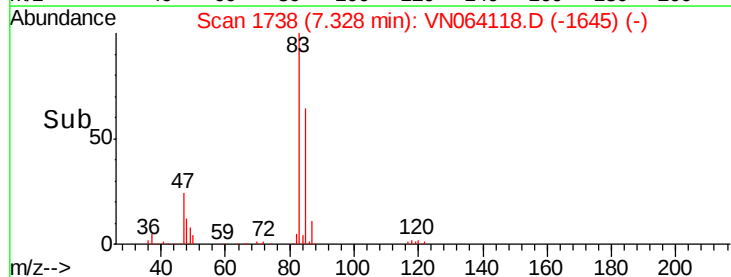
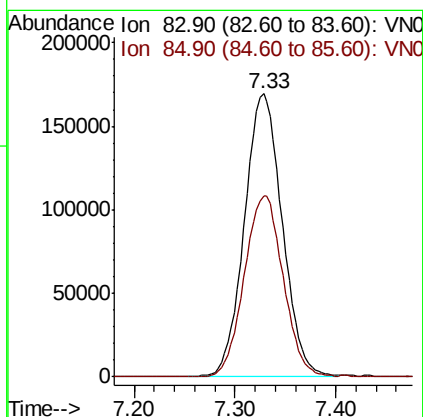
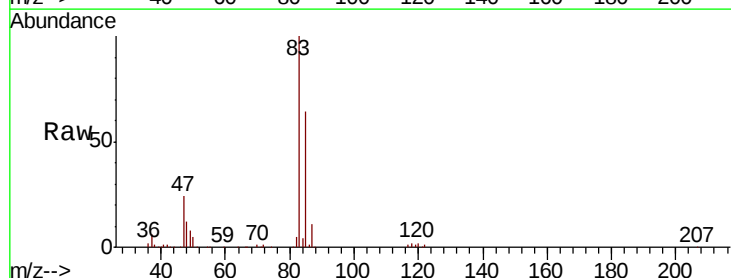
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

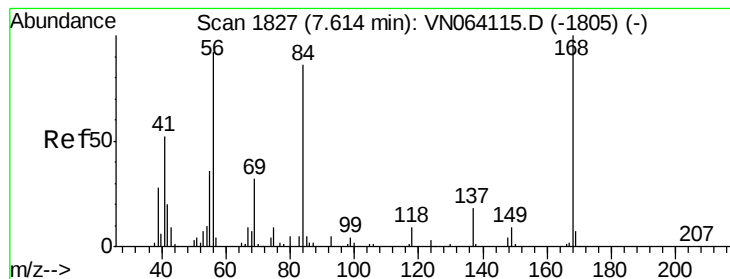
Tot Ion: 42 Resp: 372818
Ion Ratio Lower Upper
42 100
72 47.5 37.8 56.6
71 45.0 35.3 52.9



#30
Chloroform
Concen: 49.056 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 83 Resp: 441612
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3





#31

Cyclohexane

Concen: 48.643 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

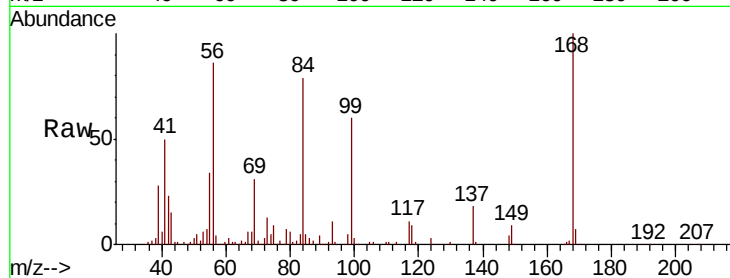
Tot Ion: 56 Resp: 306974

Ion Ratio Lower Upper

56 100

69 36.2 27.8 41.6

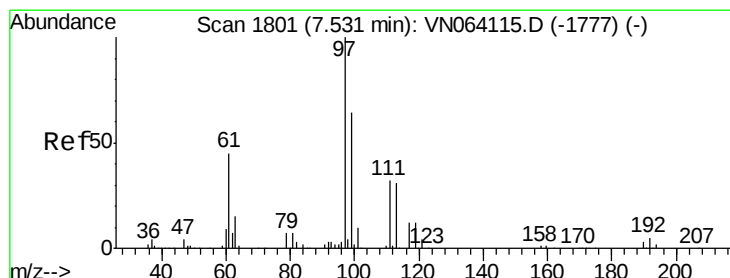
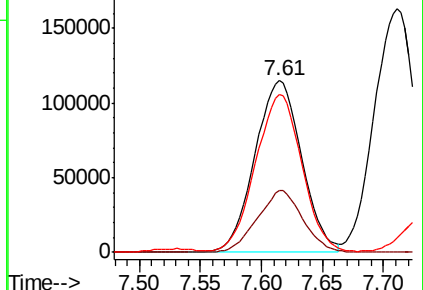
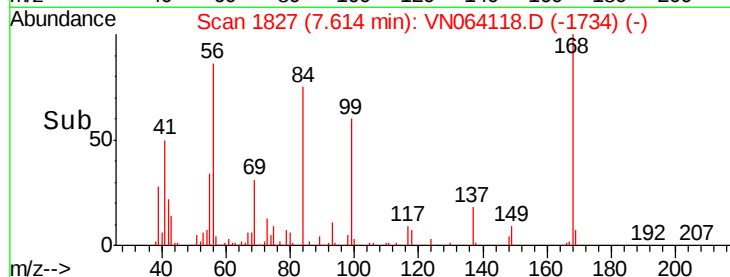
84 90.5 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VN064118.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064118.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064118.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 49.236 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

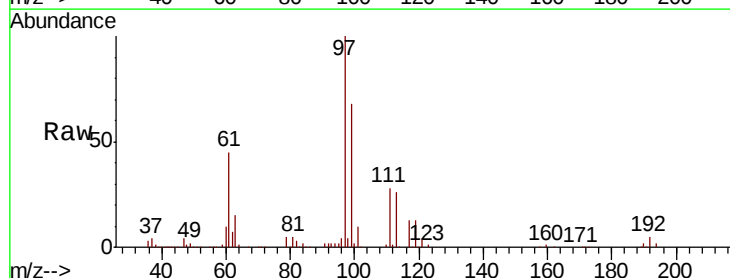
Tgt Ion: 97 Resp: 383000

Ion Ratio Lower Upper

97 100

99 65.0 50.2 75.2

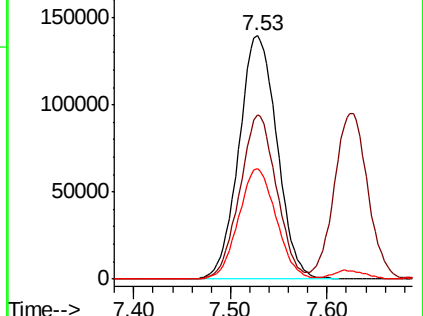
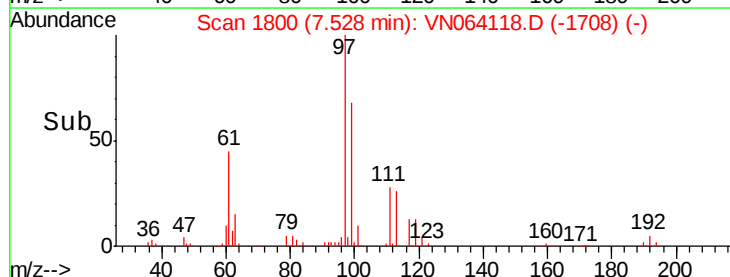
61 44.8 35.6 53.4

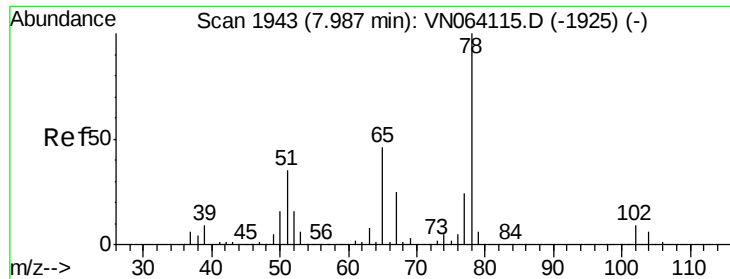


Abundance Ion 96.90 (96.60 to 97.60): VN064118.D (-1777) (-)

Ion 98.90 (98.60 to 99.60): VN064118.D (-1777) (-)

Ion 60.90 (60.60 to 61.60): VN064118.D (-1777) (-)

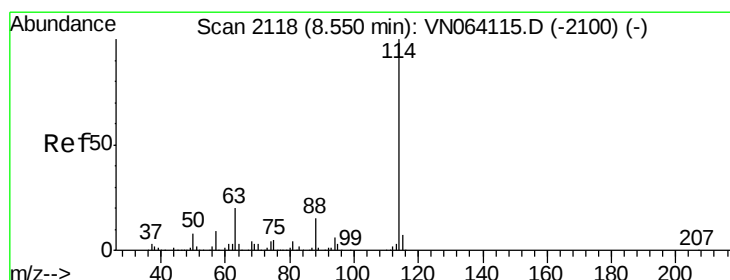
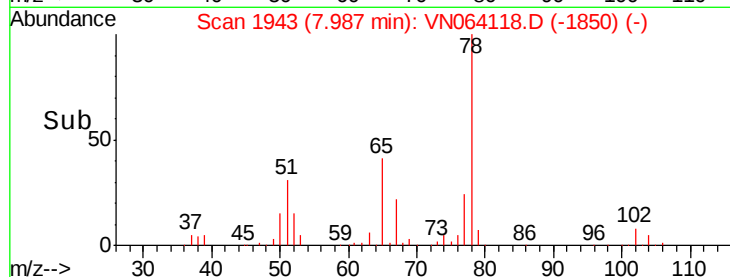
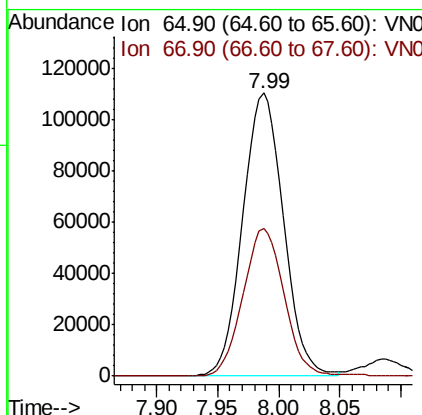
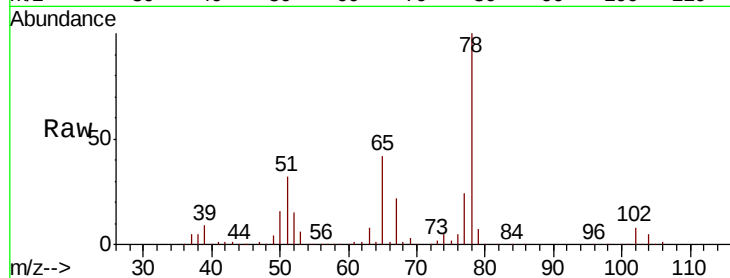




#33
 1,2-Dichloroethane-d4
 Concen: 44.731 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

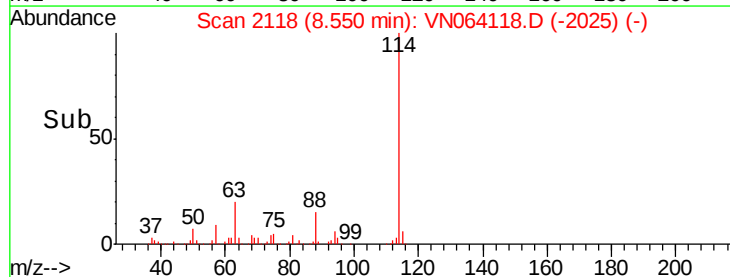
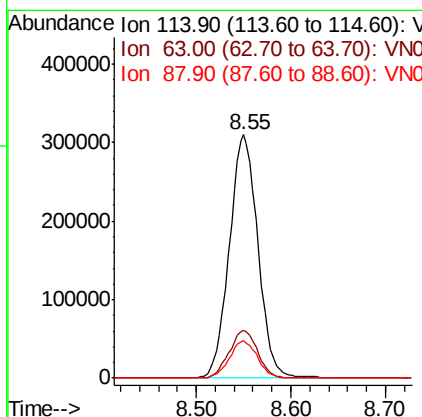
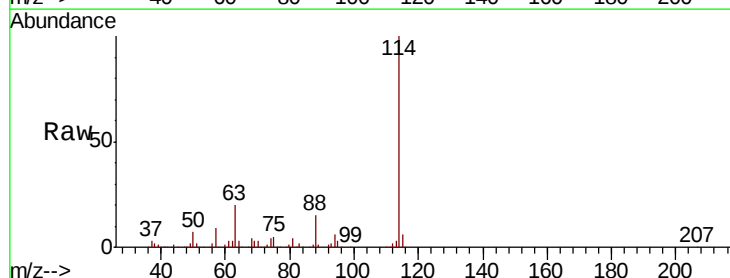
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

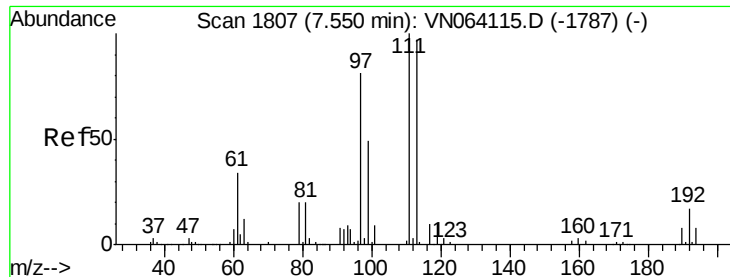
Tot Ion: 65 Resp: 255347
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion: 114 Resp: 649395
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.0
 88 15.2 0.0 29.2

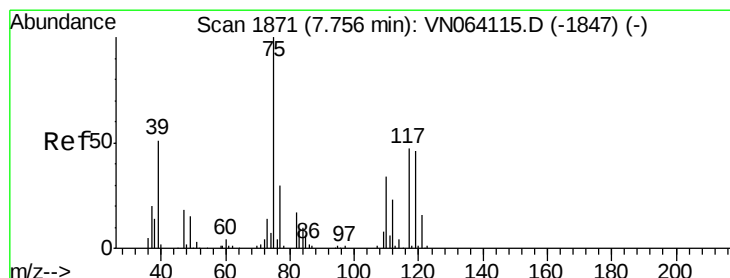
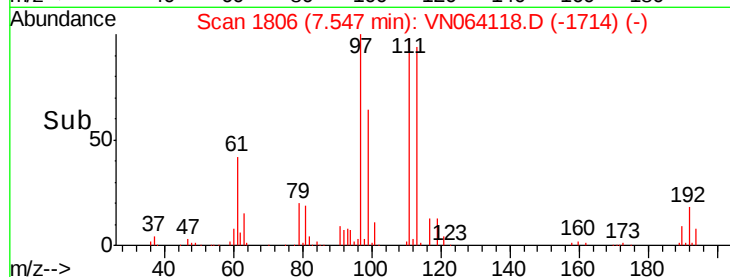
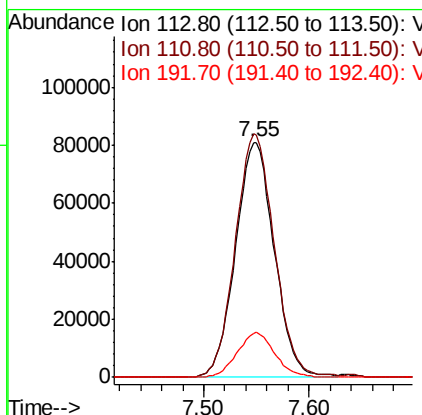
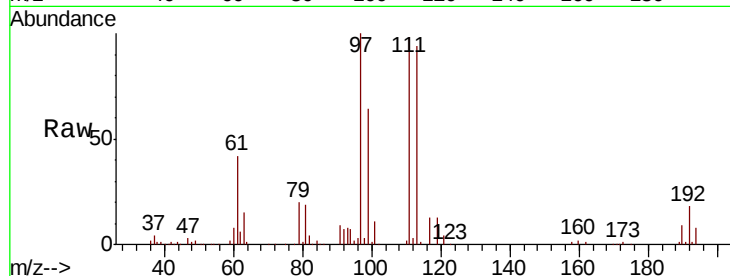




#35
 Dibromofluoromethane
 Concen: 45.953 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

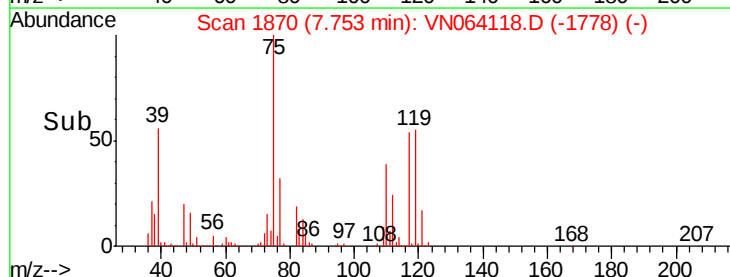
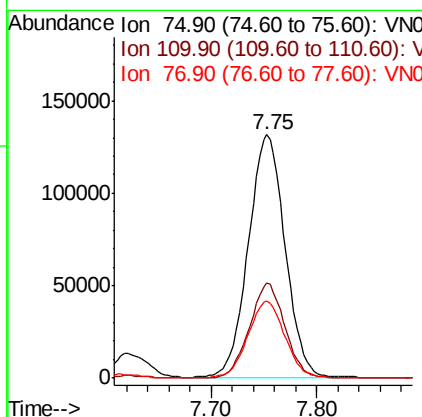
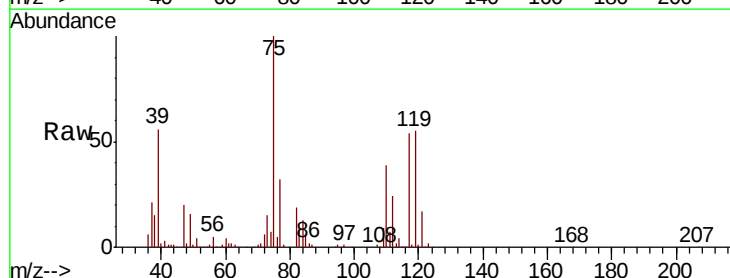
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

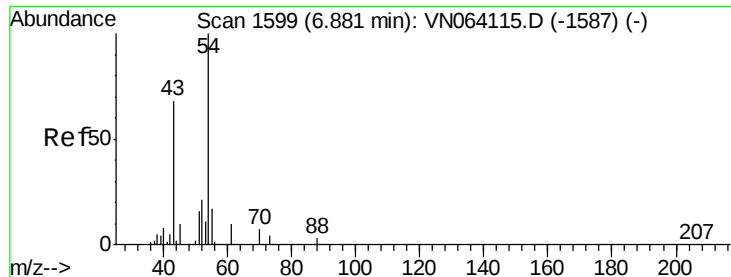
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	18.5	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 50.912 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.8	53.3
77	32.2	24.9	37.3

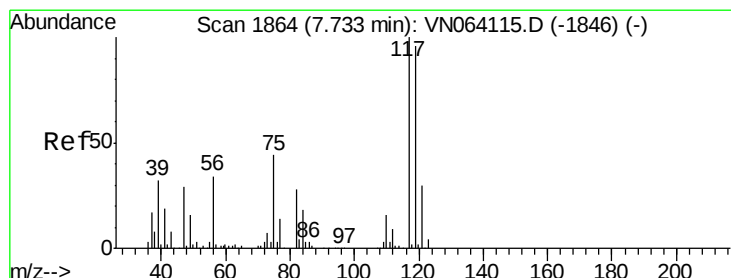
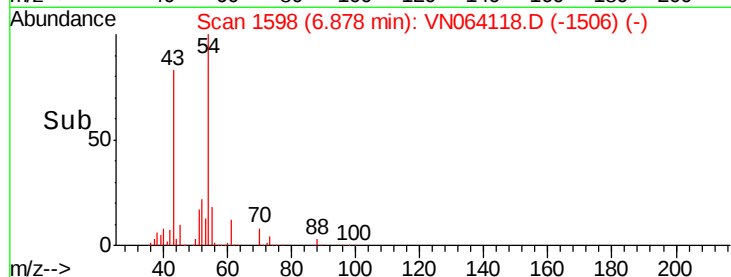
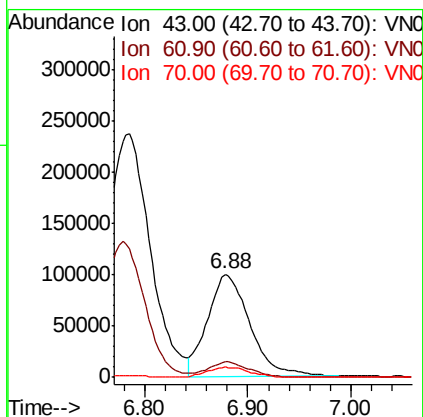
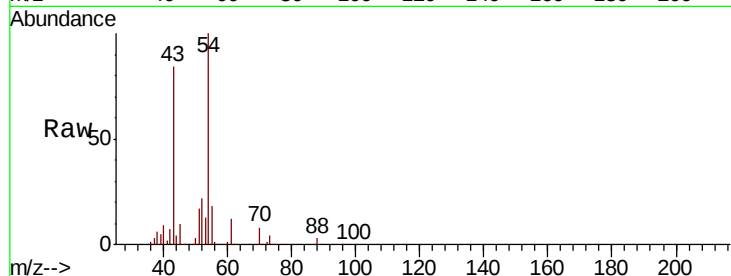




#37
Ethyl Acetate
Concen: 51.158 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

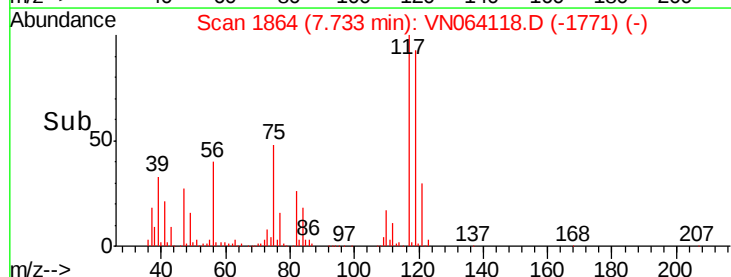
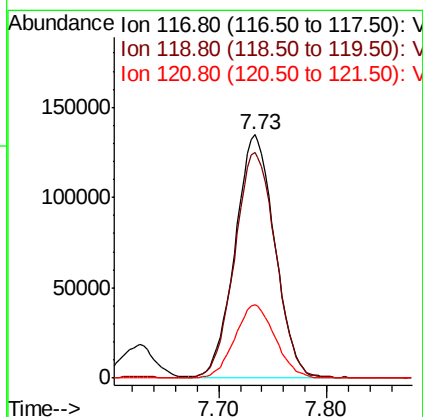
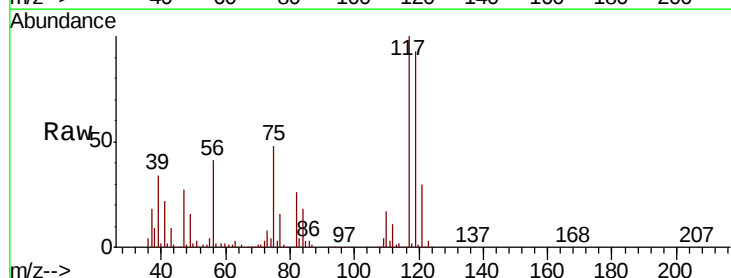
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

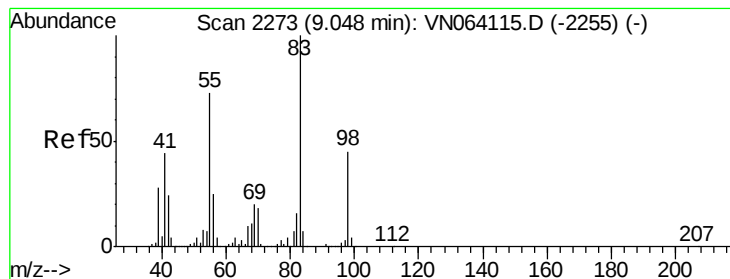
Tot Ion: 43 Resp: 284182
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.968 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 117 Resp: 343053
Ion Ratio Lower Upper
117 100
119 92.9 77.0 115.4
121 30.4 24.2 36.4





#39

Methvlcvclohexane

Concen: 56.653 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

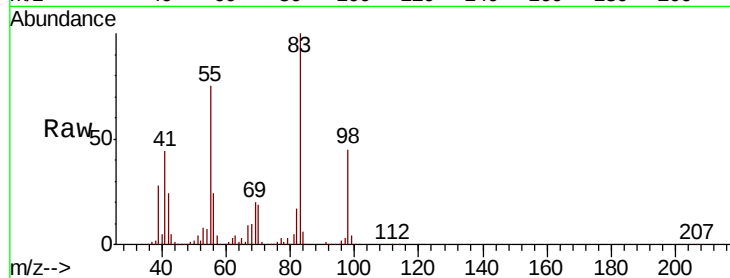
Tot Ion: 83 Resp: 298117

Ion Ratio Lower Upper

83 100

55 74.5 58.5 87.7

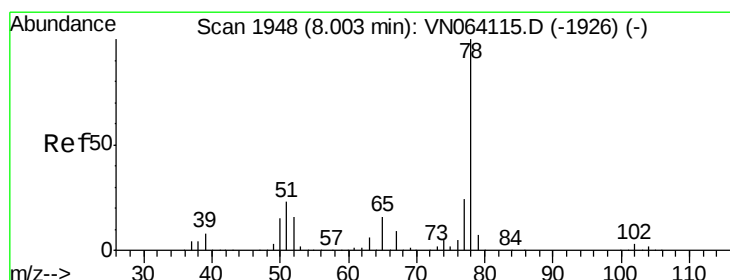
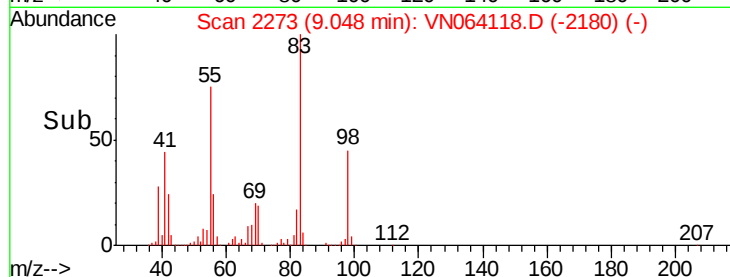
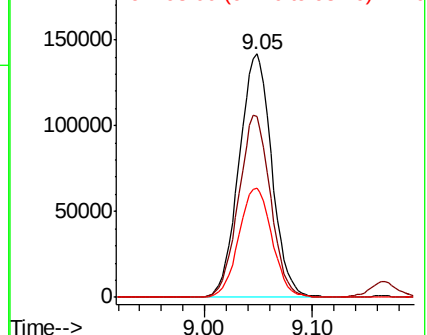
98 45.1 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 51.685 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064118.D

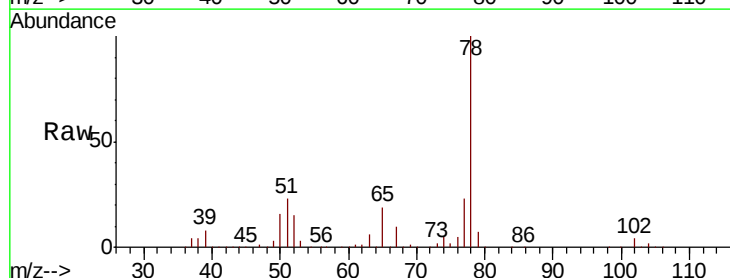
Acq: 14 Oct 2020 17:09

Tgt Ion: 78 Resp: 979684

Ion Ratio Lower Upper

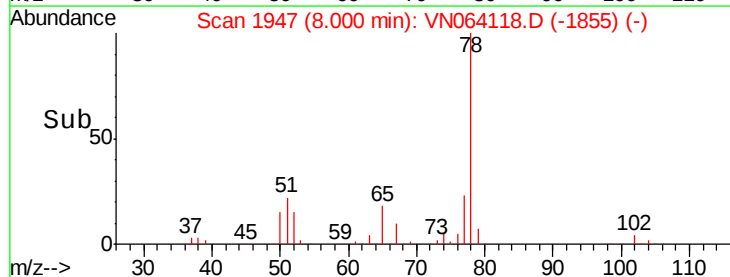
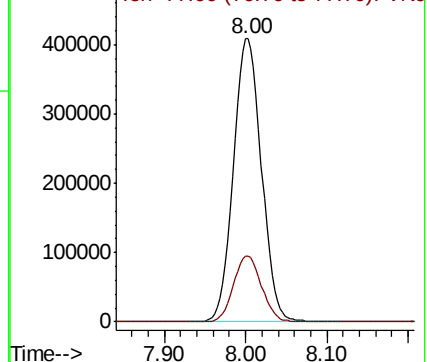
78 100

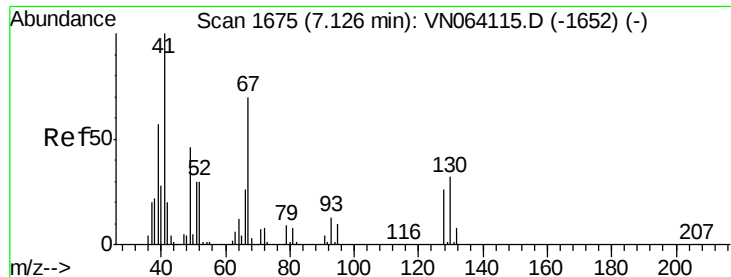
77 23.2 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

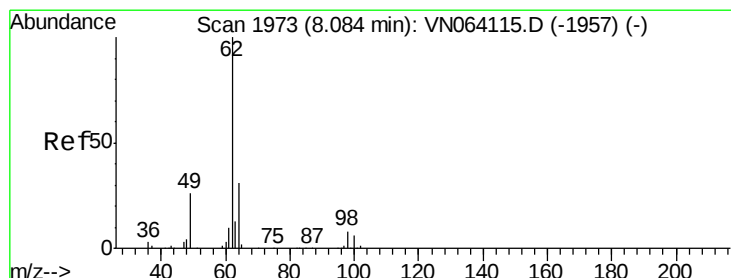
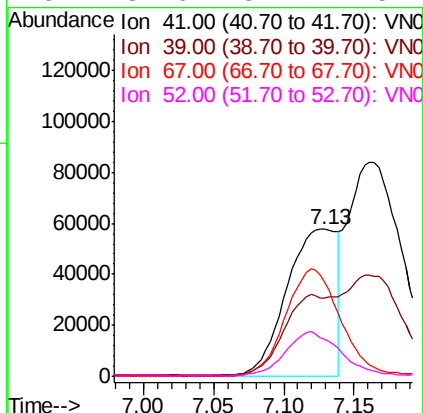
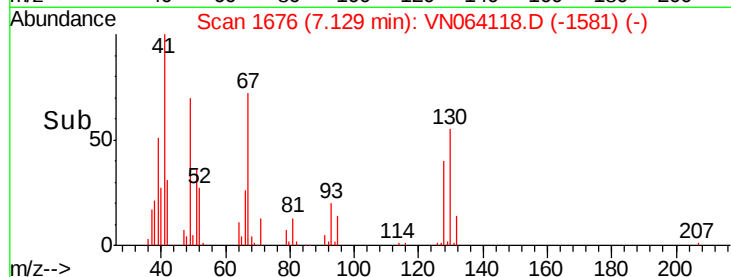
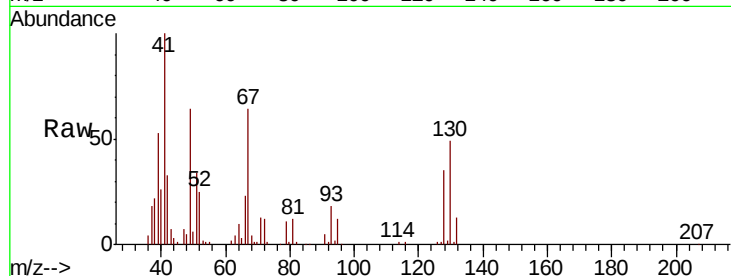




#41
Methacrylonitrile
Concen: 59.770 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

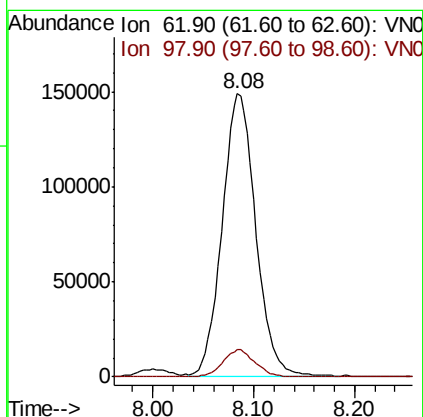
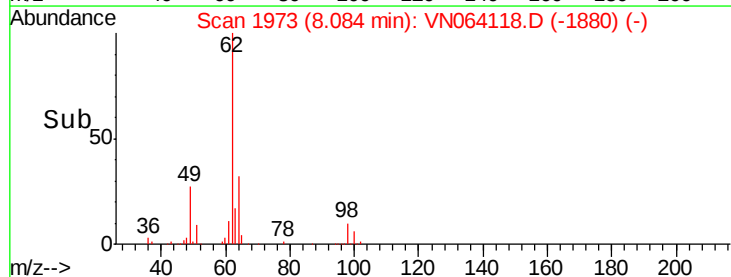
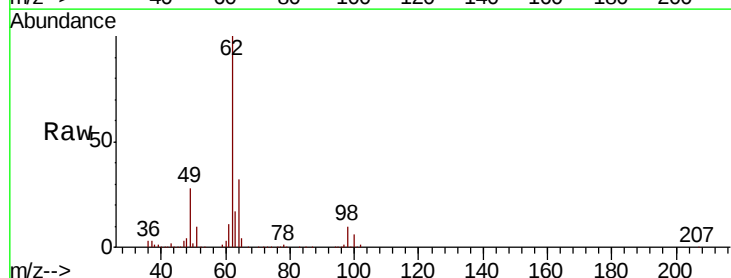
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

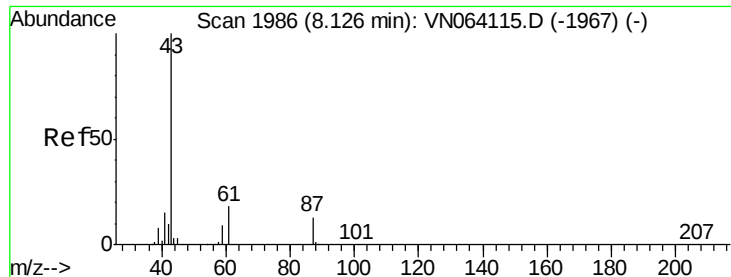
Tot Ion: 41 Resp: 143744
Ion Ratio Lower Upper
41 100
39 39.0 50.7 76.1#
67 80.3 73.8 110.6
52 32.6 32.2 48.4



#42
1,2-Dichloroethane
Concen: 50.887 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 62 Resp: 343206
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.6





#43

Isopropyl Acetate

Concen: 51.889 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

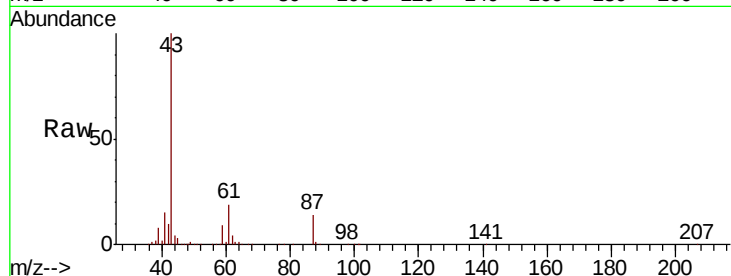
Tot Ion: 43 Resp: 478320

Ion Ratio Lower Upper

43 100

61 20.7 21.9 32.9#

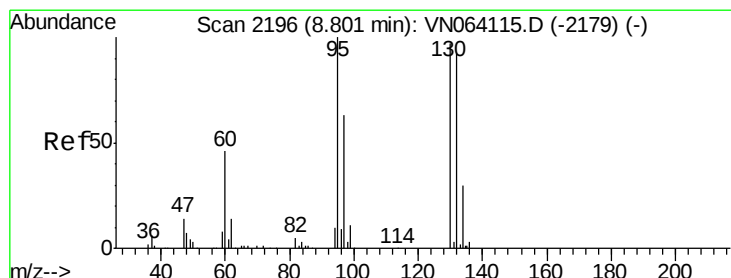
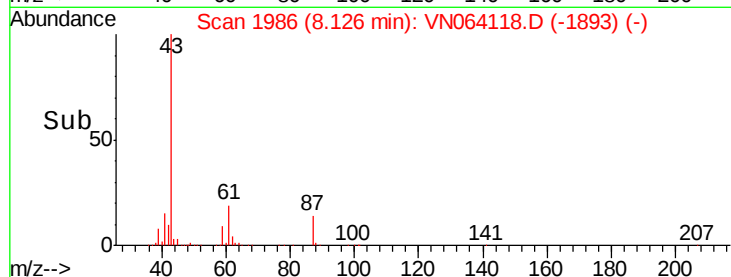
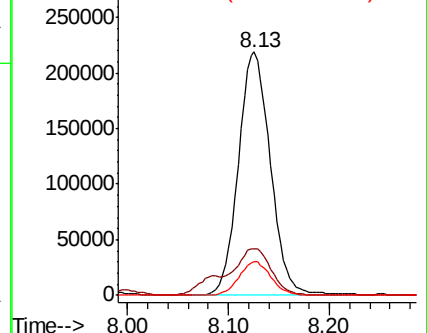
87 13.9 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN064118.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN064118.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN064118.D (-1967) (-)



#44

Trichloroethene

Concen: 52.140 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064118.D

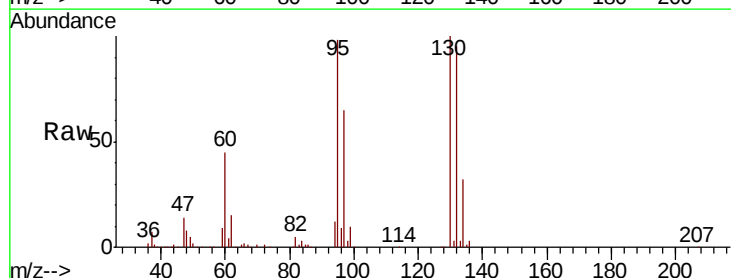
Acq: 14 Oct 2020 17:09

Tgt Ion:130 Resp: 259882

Ion Ratio Lower Upper

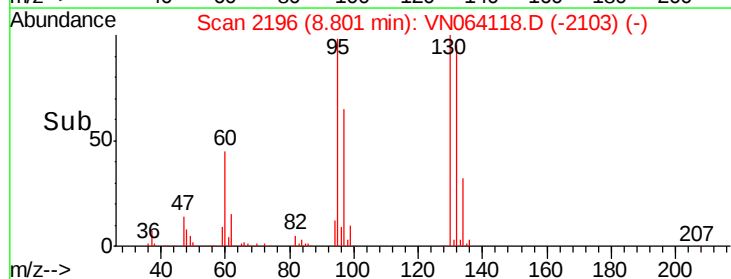
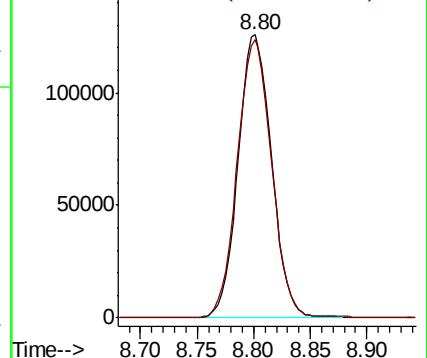
130 100

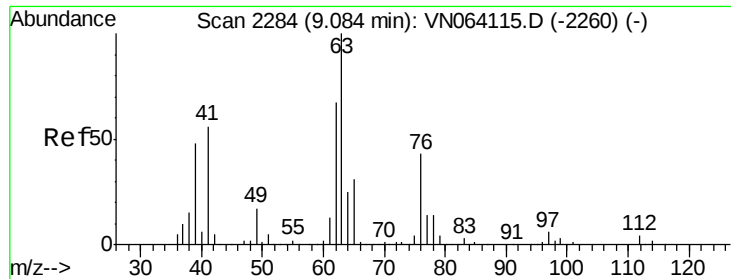
95 98.1 0.0 206.2



Abundance Ion 129.80 (129.50 to 130.50): VN064118.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064118.D (-2179) (-)

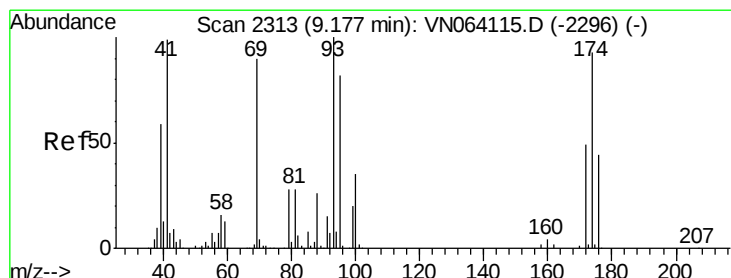
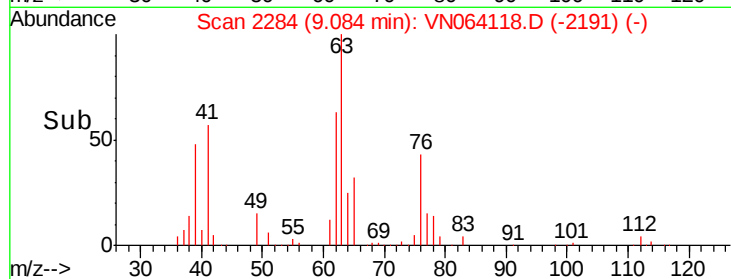
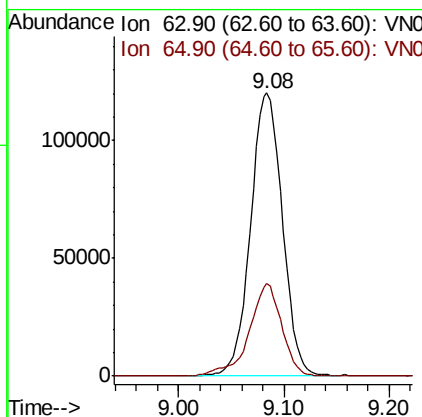
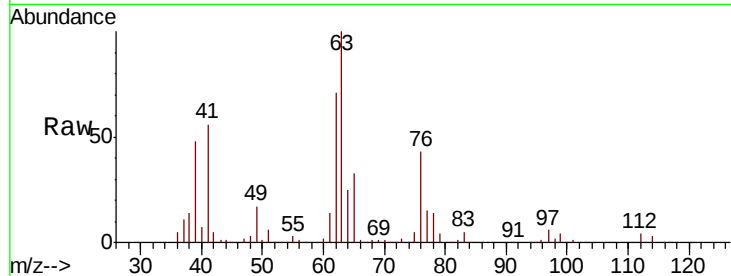




#45
 1,2-Dichloropropane
 Concen: 51.077 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

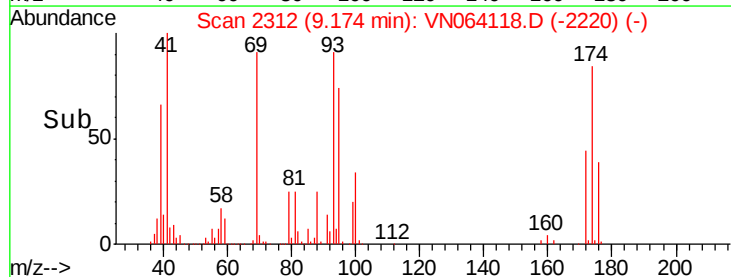
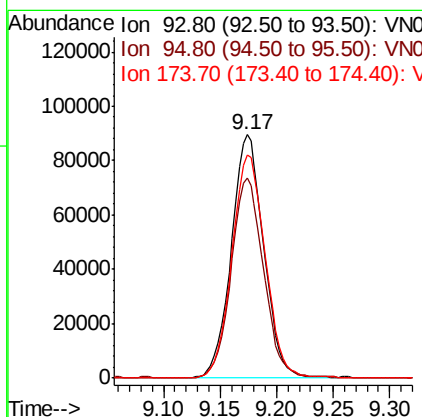
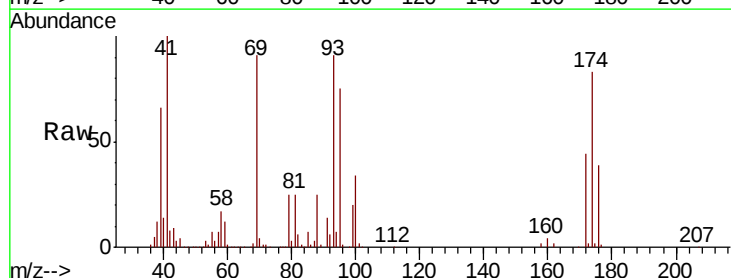
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

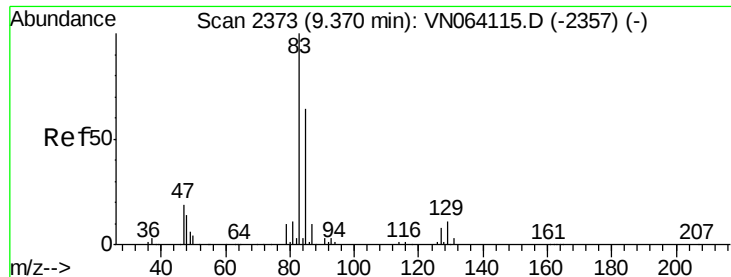
Tot Ion: 63 Resp: 253660
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.0 37.6



#46
 Dibromomethane
 Concen: 50.638 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion: 93 Resp: 178416
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.8 100.2
 174 94.4 75.2 112.8





#47

Bromodichloromethane

Concen: 51.323 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101420

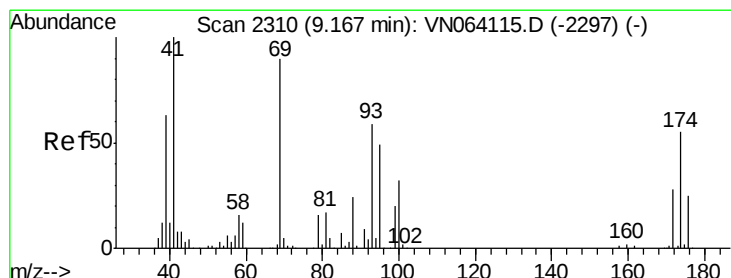
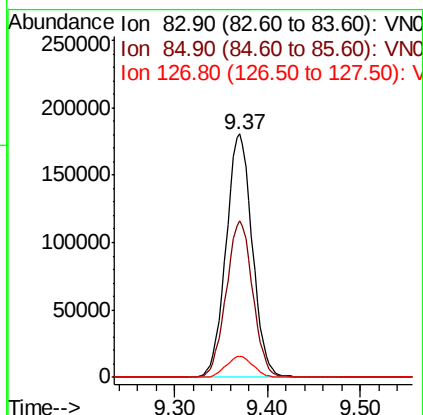
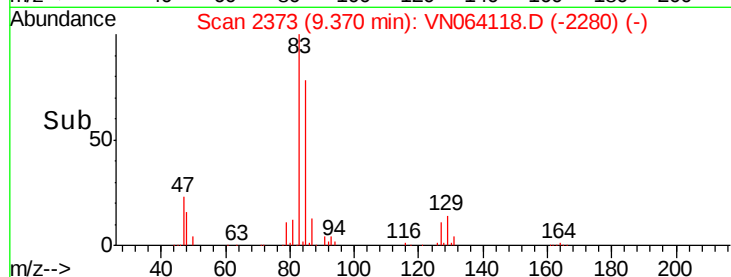
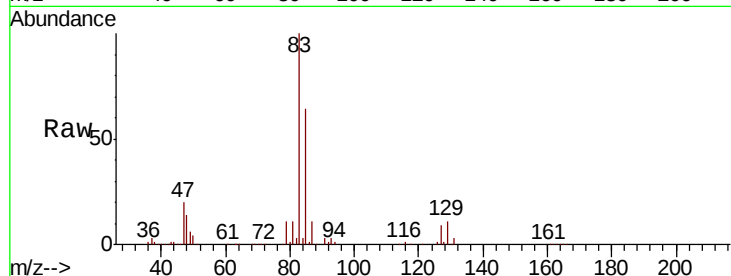
Tot Ion: 83 Resp: 353793

Ion Ratio Lower Upper

83 100

85 64.1 50.8 76.2

127 8.8 6.6 9.8



#48

Methyl methacrylate

Concen: 53.601 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

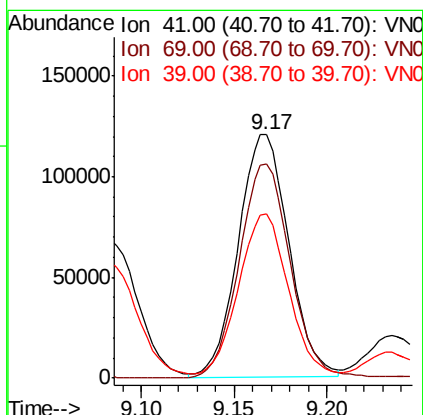
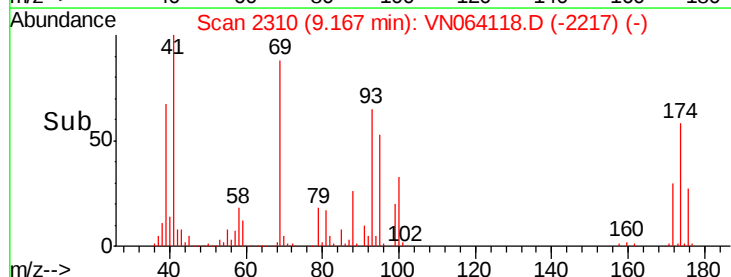
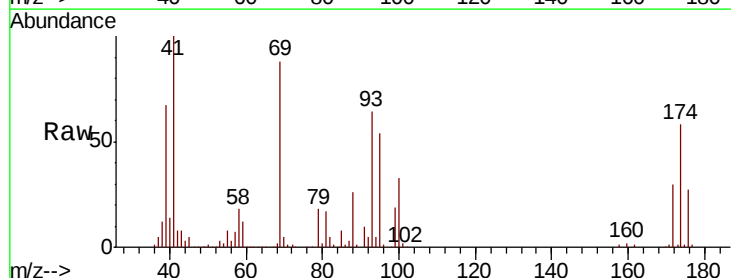
Tgt Ion: 41 Resp: 228233

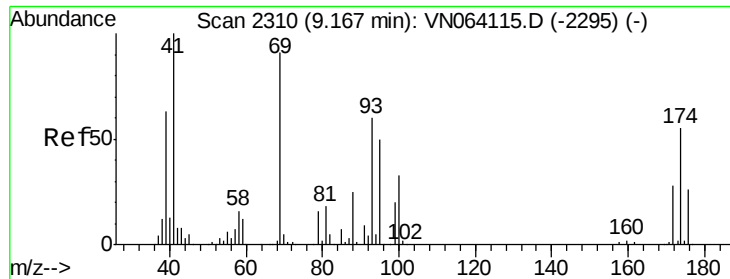
Ion Ratio Lower Upper

41 100

69 90.2 71.4 107.2

39 66.9 52.5 78.7

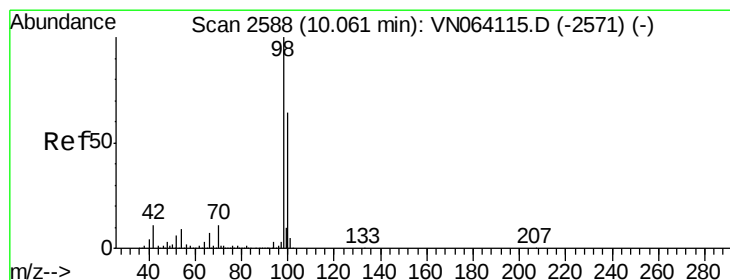
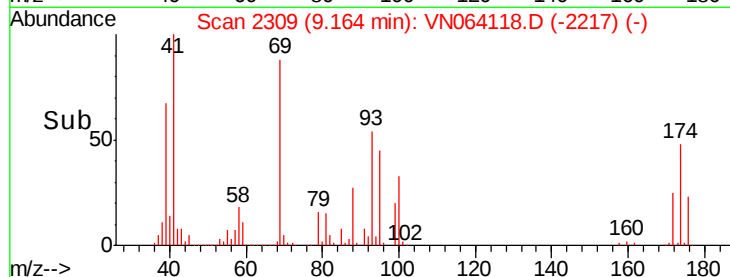
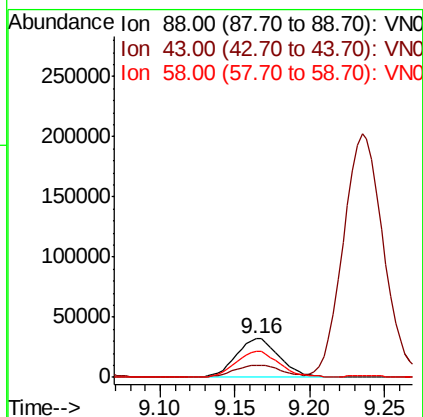
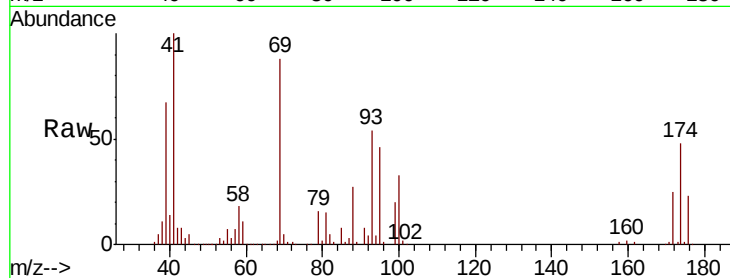




#49
1,4-Dioxane
Concen: 1005.483 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

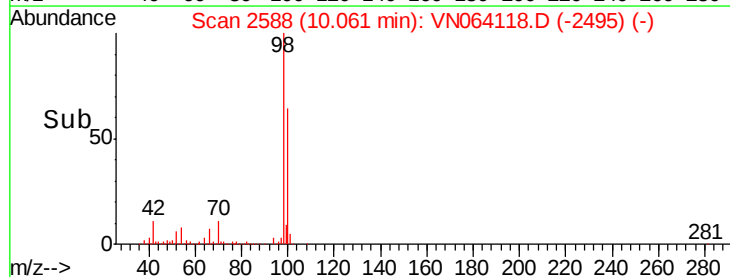
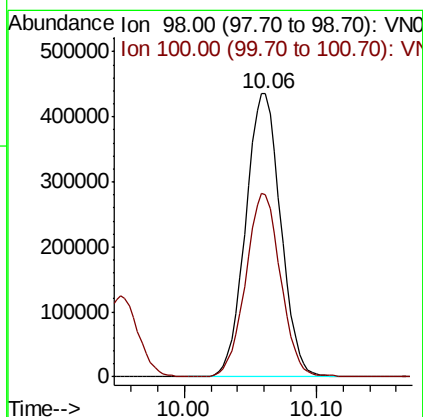
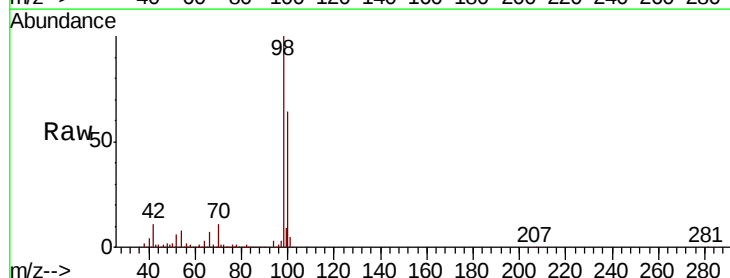
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

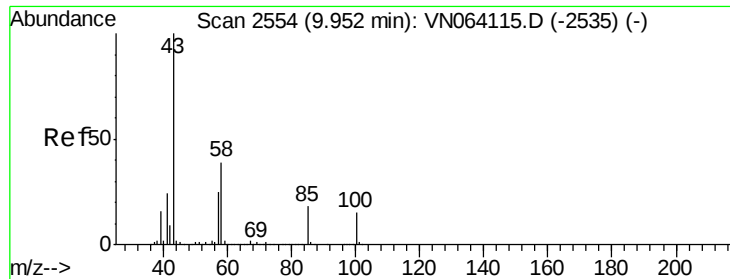
Tot Ion: 88 Resp: 65011
Ion Ratio Lower Upper
88 100
43 32.9 27.2 40.8
58 67.6 52.6 78.8



#50
Toluene-d8
Concen: 47.222 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 98 Resp: 800869
Ion Ratio Lower Upper
98 100
100 64.4 50.8 76.2

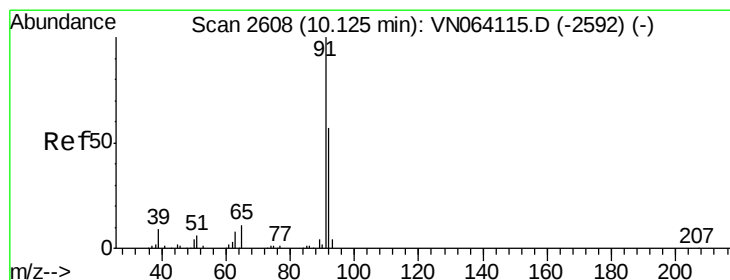
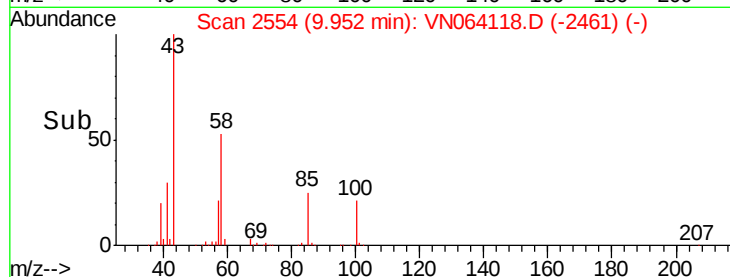
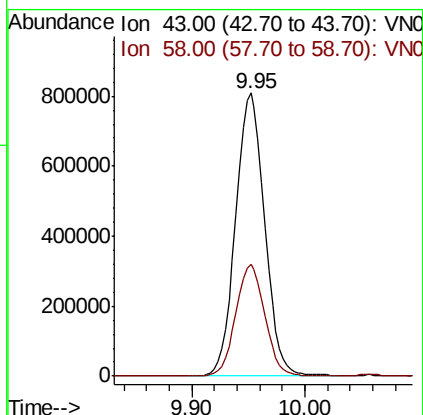
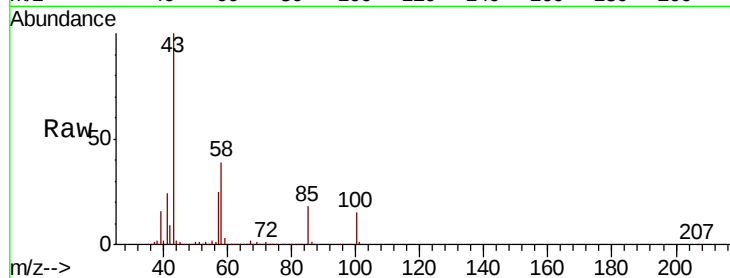




#51
4-Methyl-2-Pentanone
Concen: 264.895 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

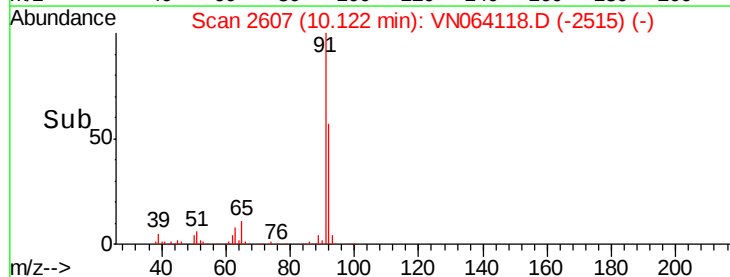
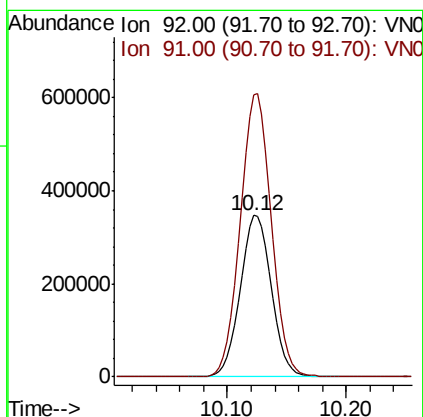
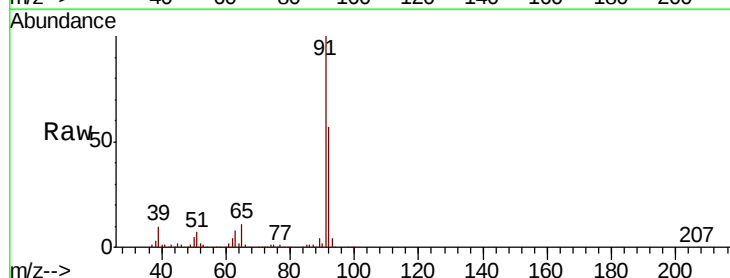
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

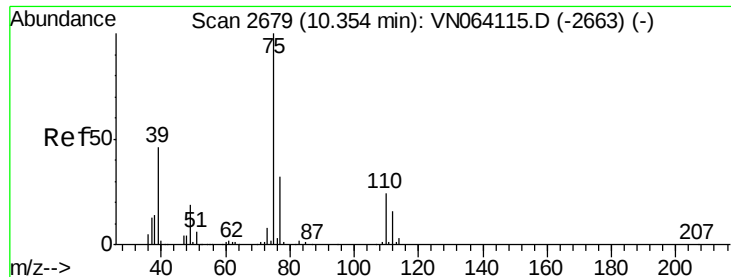
Tot Ion: 43 Resp: 1444897
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8



#52
Toluene
Concen: 54.020 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 92 Resp: 629163
Ion Ratio Lower Upper
92 100
91 175.6 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 55.552 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

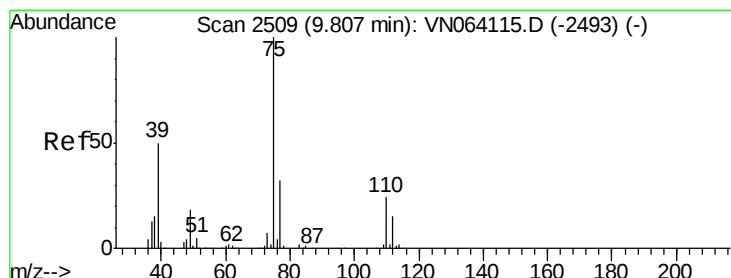
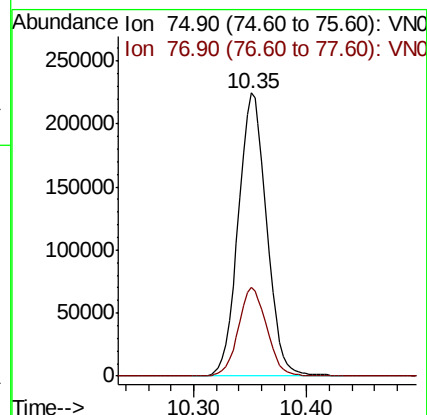
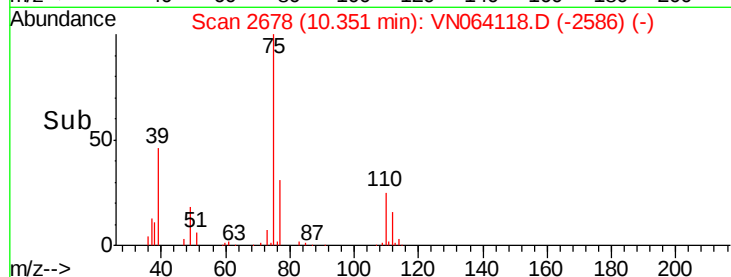
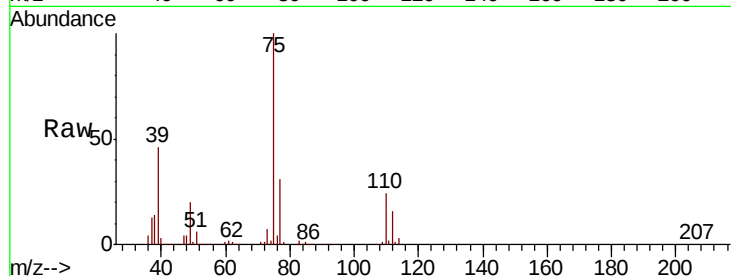
ICVFN101420

Tot Ion: 75 Resp: 392918

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 54.393 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

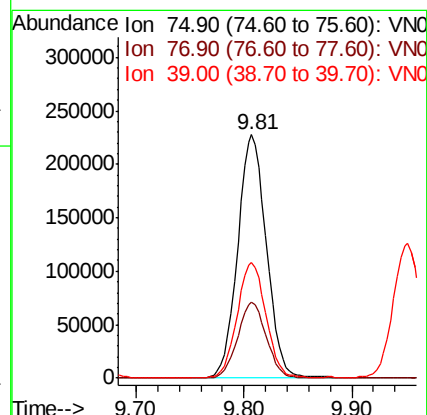
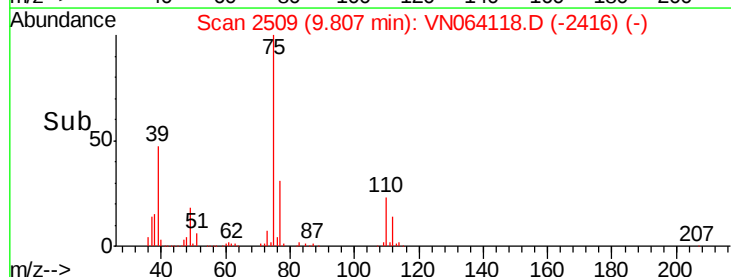
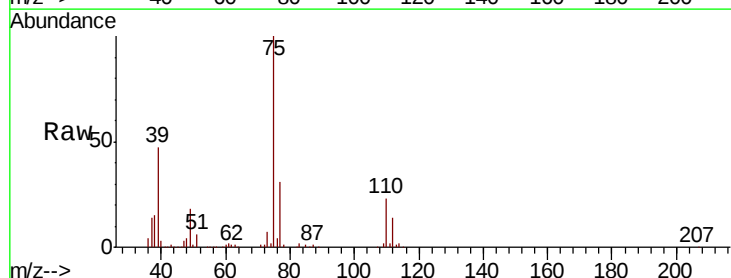
Tgt Ion: 75 Resp: 422725

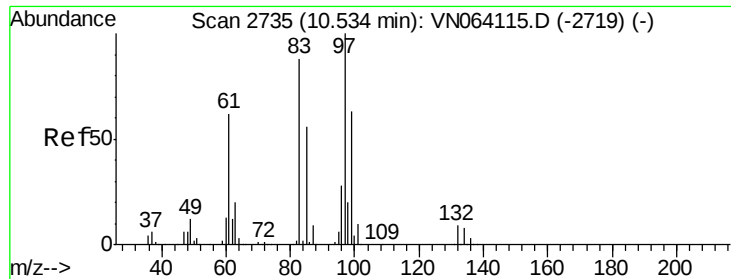
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 47.3 39.8 59.8

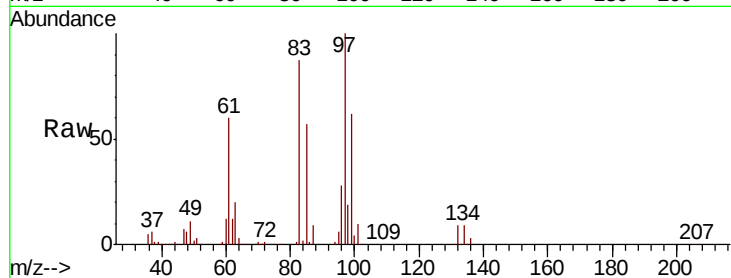




#55
 1,1,2-Trichloroethane
 Concen: 51.653 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion:	97	Resp:	249227
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.2	105.4
85	56.7	45.0	67.6
99	61.8	50.7	76.1



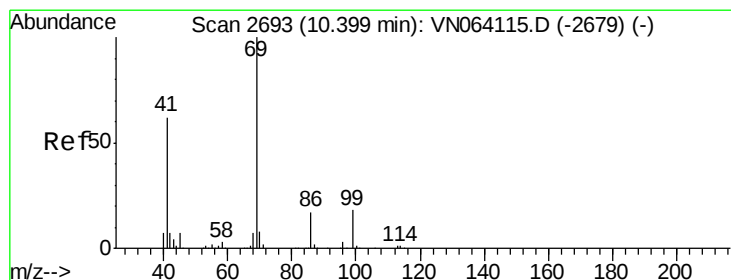
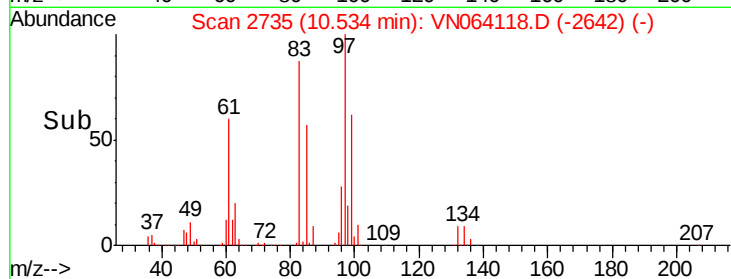
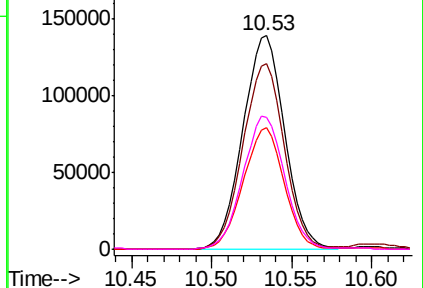
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

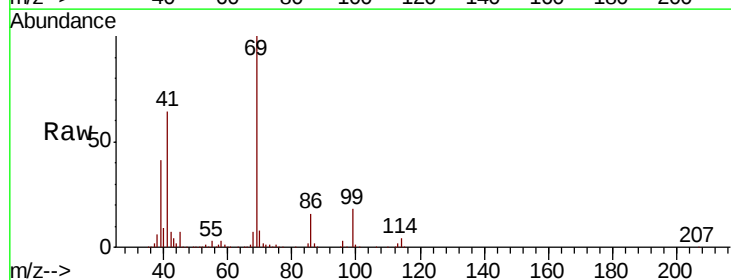
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 49.329 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion:	69	Resp:	344640
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.3	73.9
39	40.0	32.7	49.1

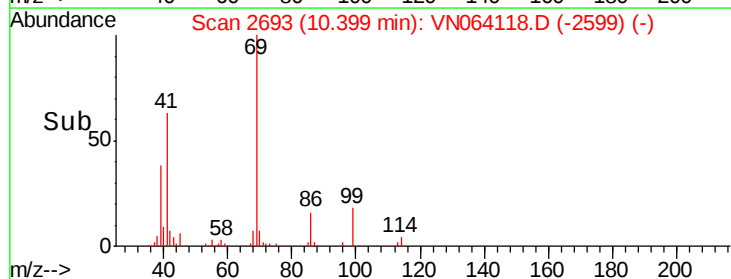
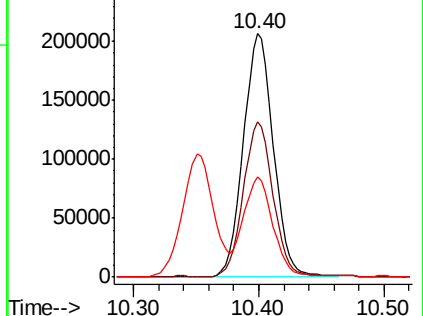


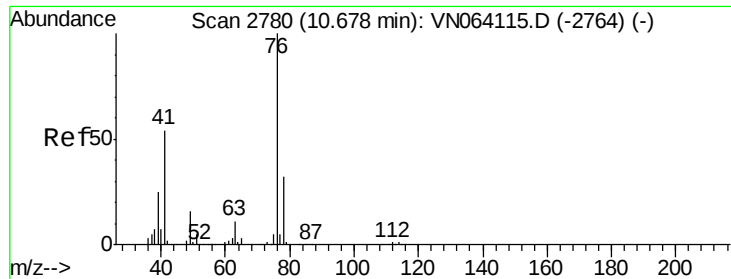
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.320 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

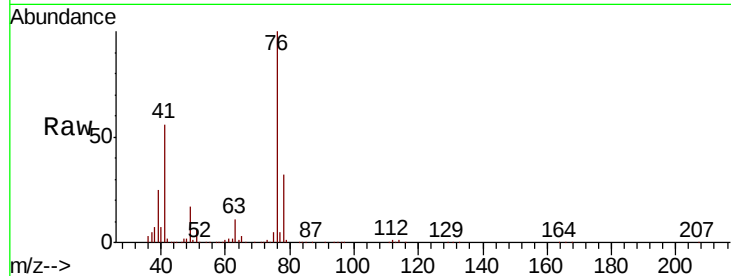
ICVFN101420

Tot Ion: 76 Resp: 407787

Ion Ratio Lower Upper

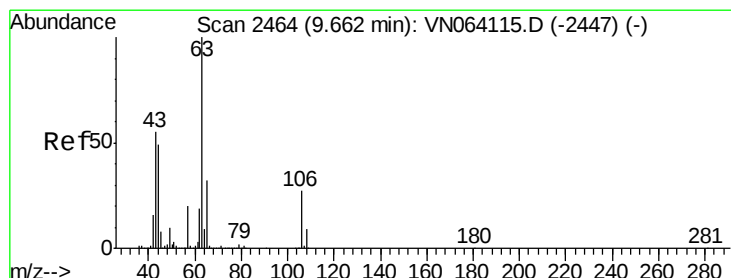
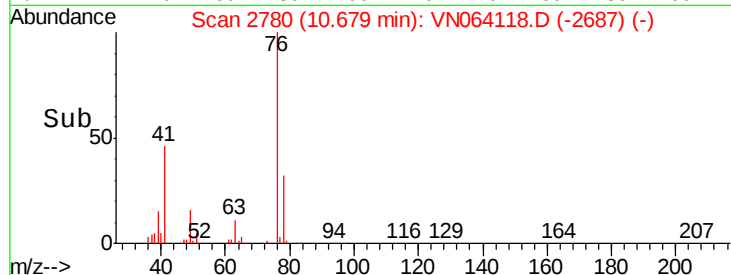
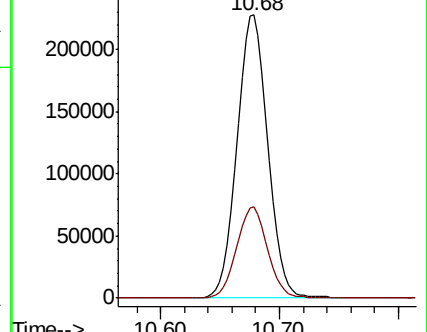
76 100

78 32.4 26.1 39.1



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: 246.786 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064118.D

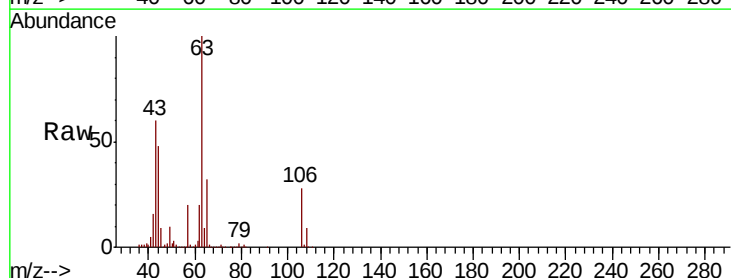
Acq: 14 Oct 2020 17:09

Tgt Ion: 63 Resp: 876855

Ion Ratio Lower Upper

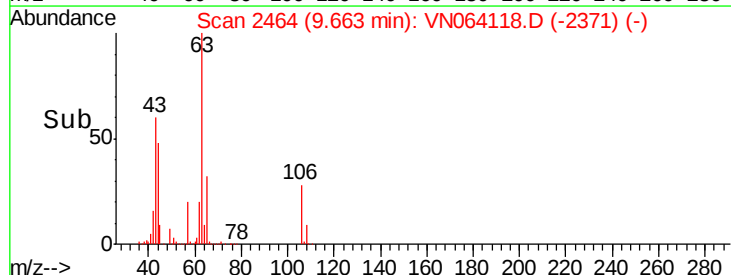
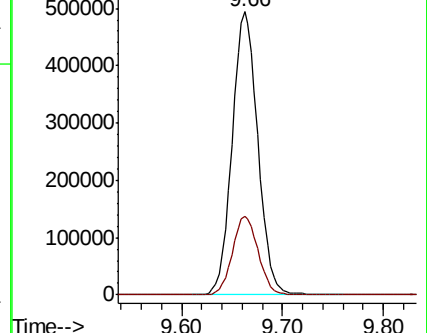
63 100

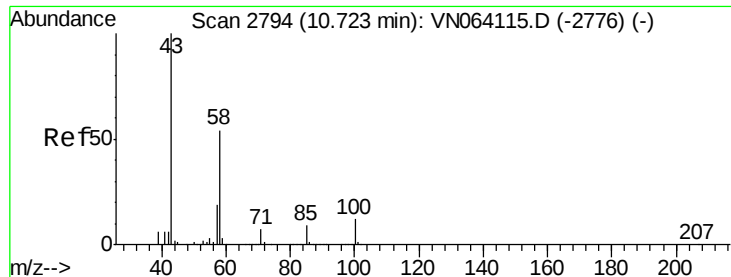
106 27.9 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

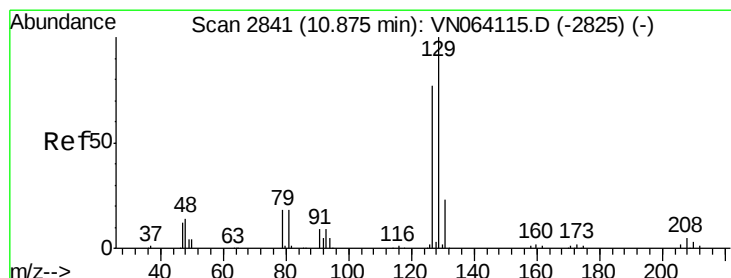
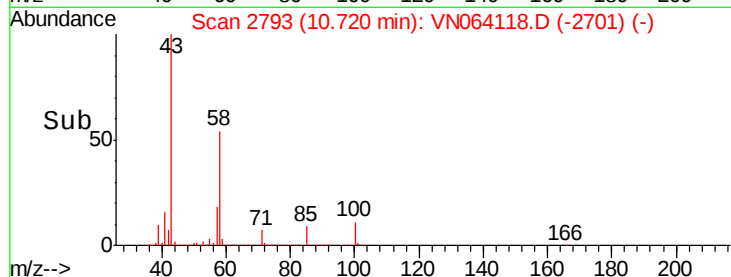
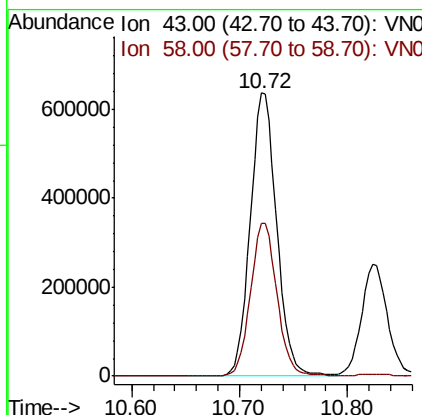
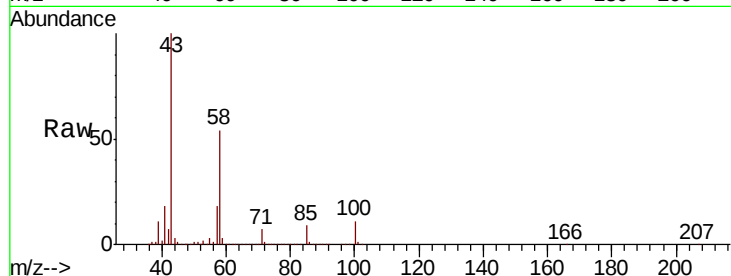




#59
2-Hexanone
Concen: 256.118 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

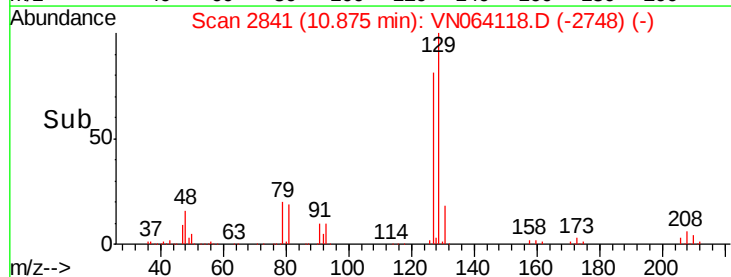
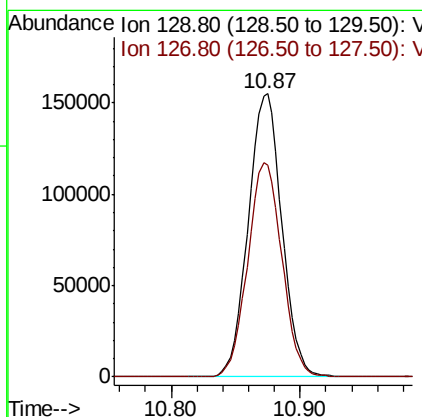
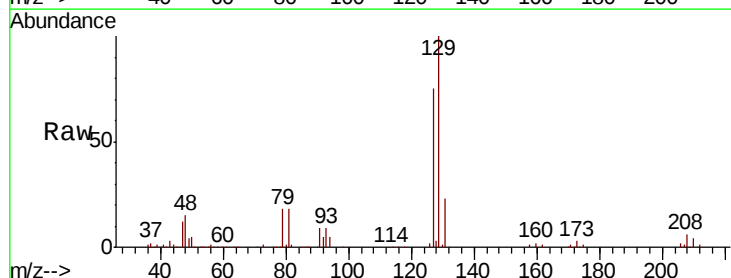
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

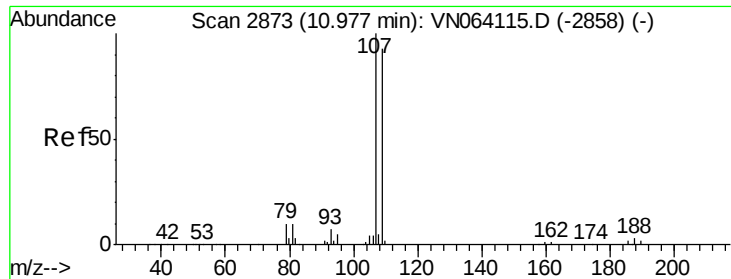
Tot Ion: 43 Resp: 1080566
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.6



#60
Dibromochloromethane
Concen: 51.952 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 129 Resp: 281580
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 53.426 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

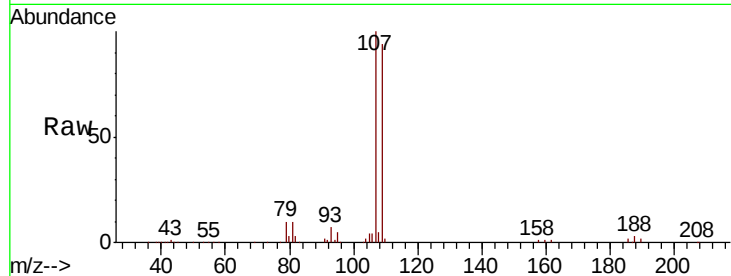
ICVVN101420

Tot Ion:107 Resp: 262379

Ion Ratio Lower Upper

107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

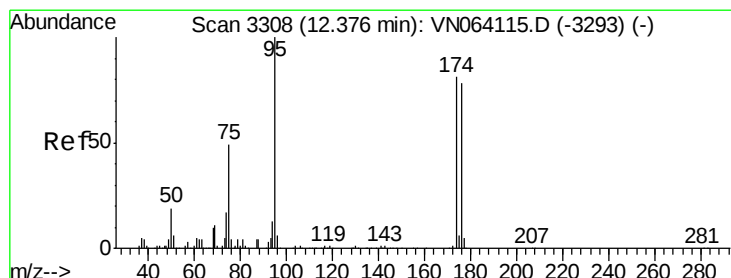
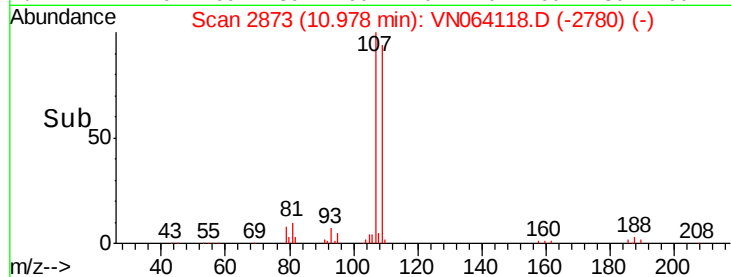
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.346 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

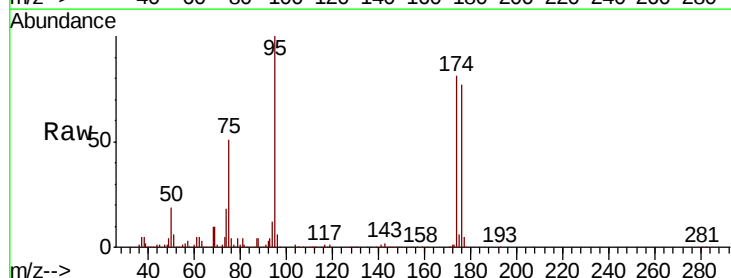
Tgt Ion: 95 Resp: 287660

Ion Ratio Lower Upper

95 100

174 81.9 0.0 164.8

176 78.6 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

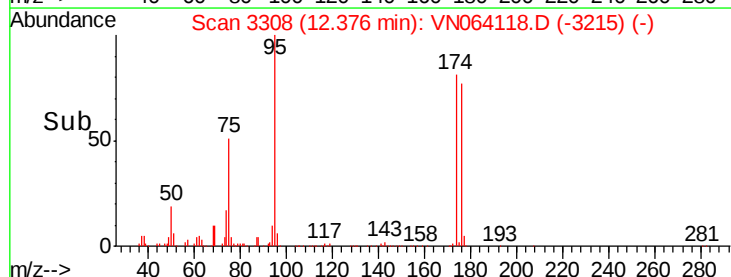
150000

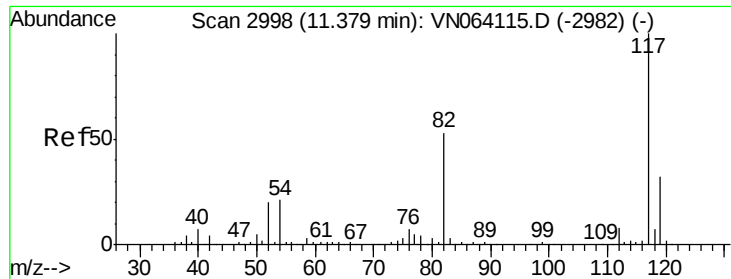
100000

50000

0

Time-->

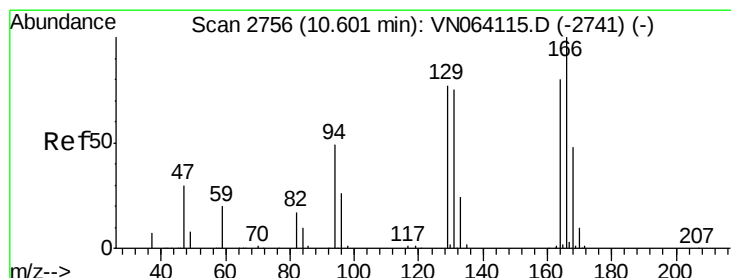
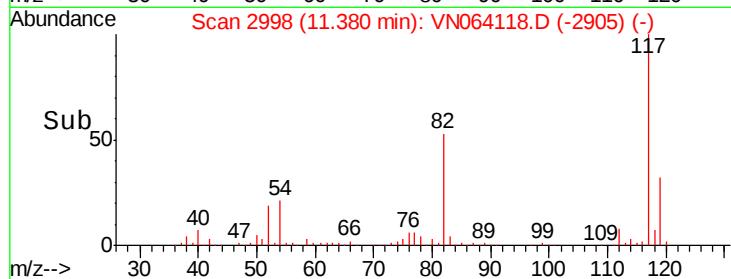
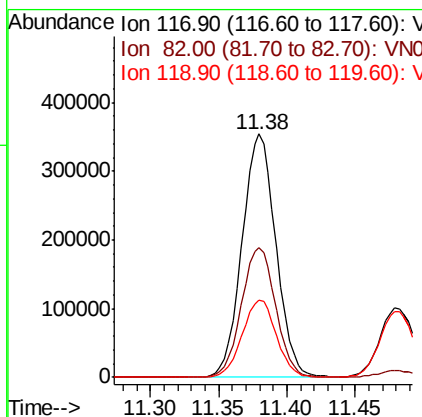
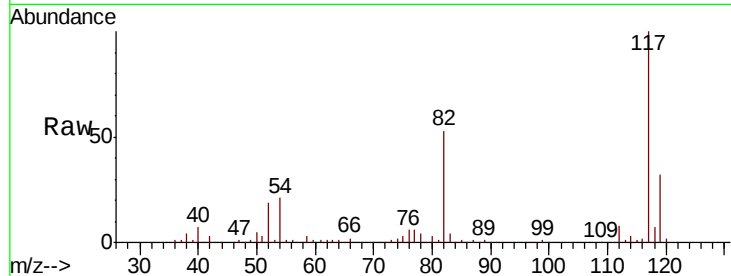




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

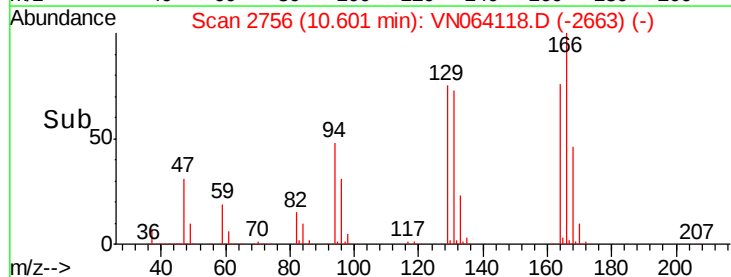
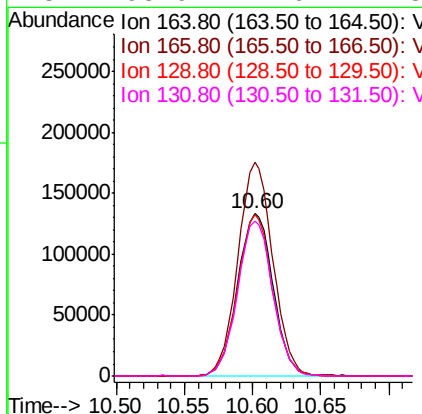
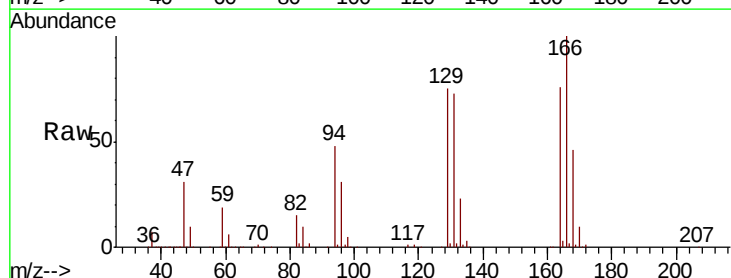
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

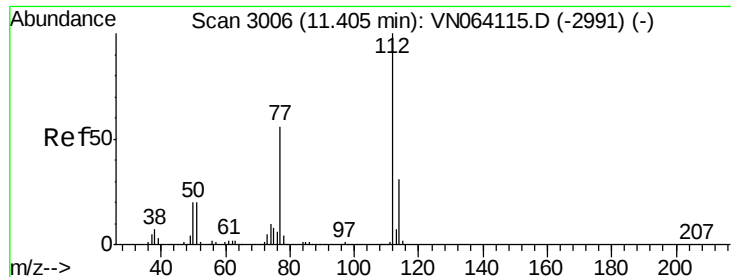
Tot Ion:117 Resp: 609705
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 52.380 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:164 Resp: 240780
Ion Ratio Lower Upper
164 100
166 131.7 99.7 149.5
129 99.1 77.0 115.4
131 95.9 74.6 111.8

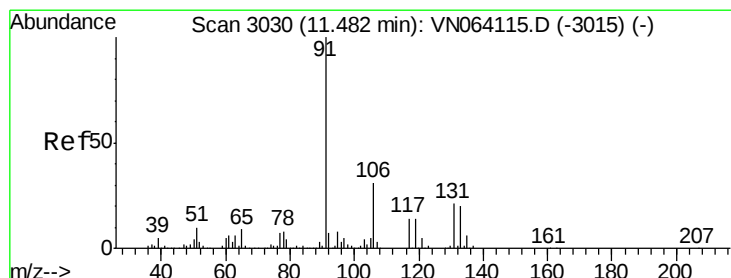
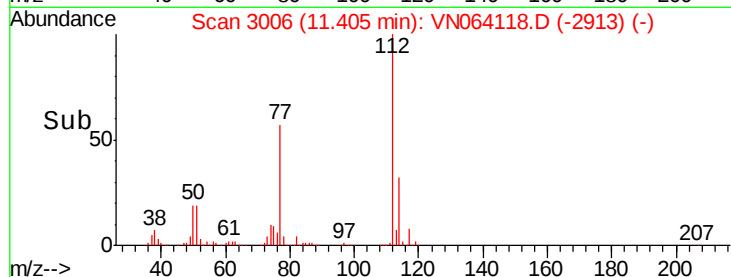
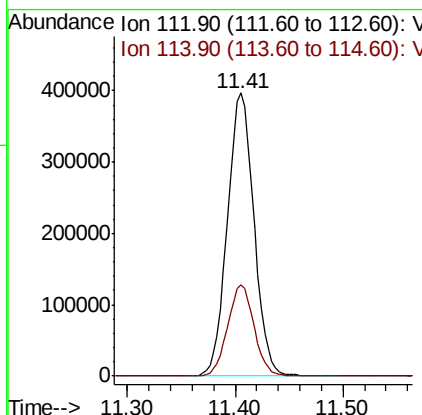
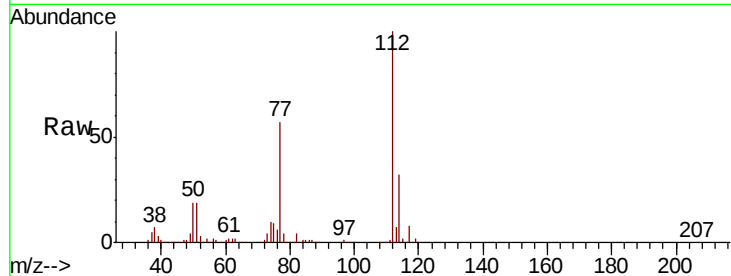




#65
Chlorobenzene
Concen: 53.274 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

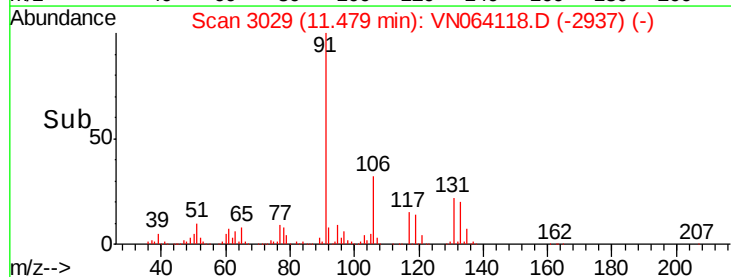
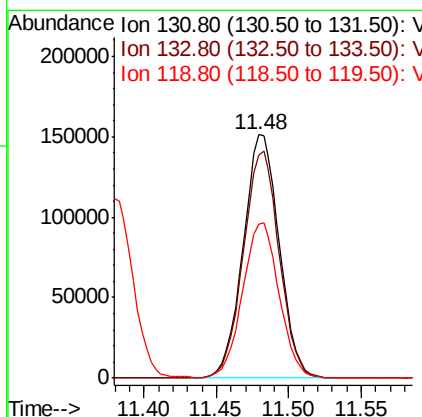
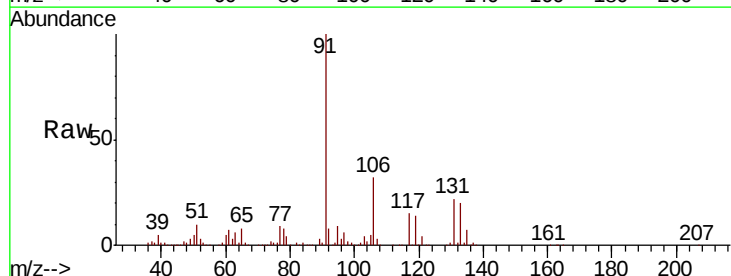
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101420

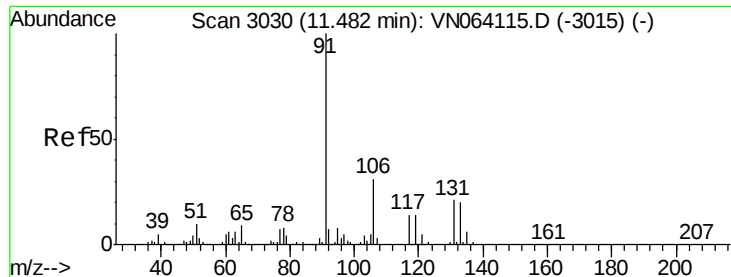
Tot Ion:112 Resp: 684012
Ion Ratio Lower Upper
112 100
114 32.1 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.742 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:131 Resp: 261973
Ion Ratio Lower Upper
131 100
133 93.0 47.3 141.9
119 64.9 32.8 98.4

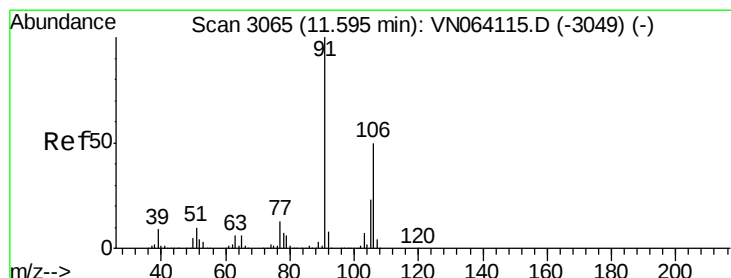
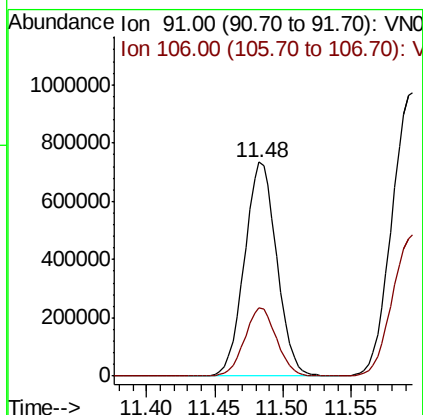
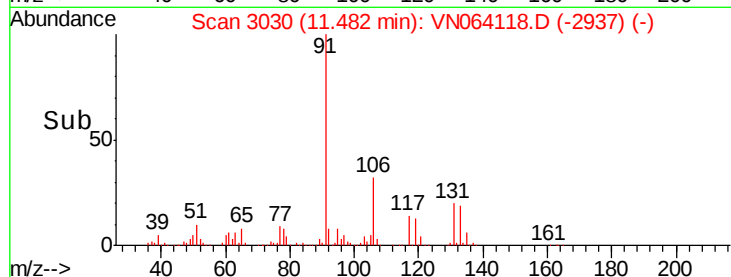
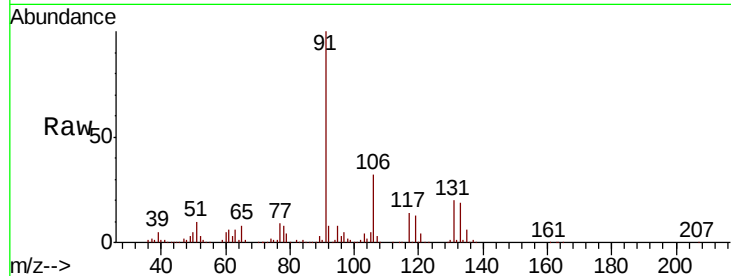




#67
Ethyl Benzene
Concen: 56.139 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

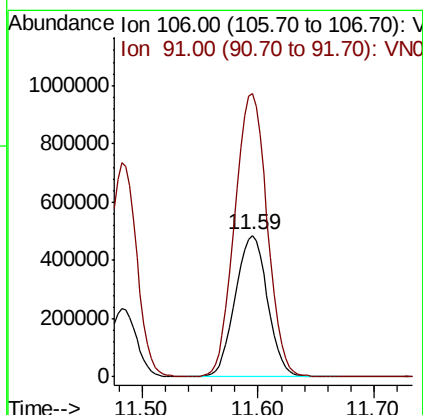
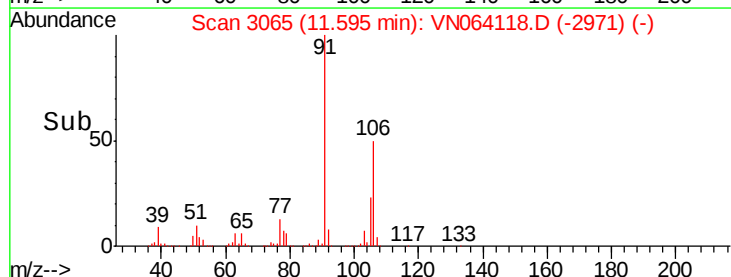
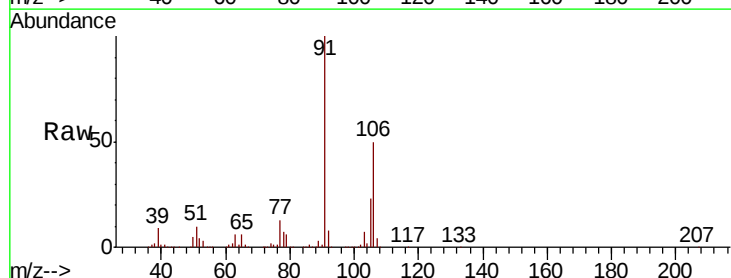
Instrument :
MSVOA_N
ClientSampled :
ICVVN101420

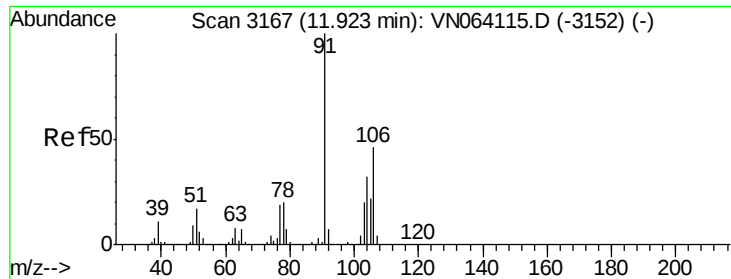
Tot Ion: 91 Resp: 1207448
Ion Ratio Lower Upper
91 100
106 32.0 24.7 37.1



#68
m/p-Xylenes
Concen: 105.303 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 106 Resp: 934725
Ion Ratio Lower Upper
106 100
91 201.6 162.1 243.1

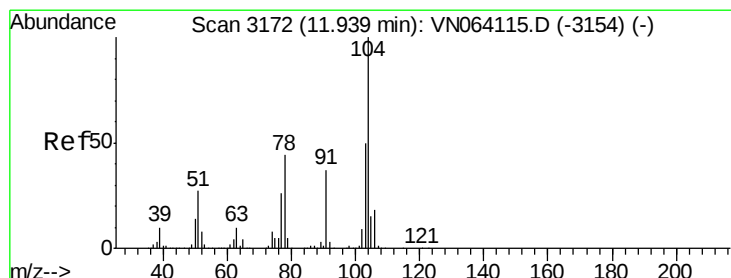
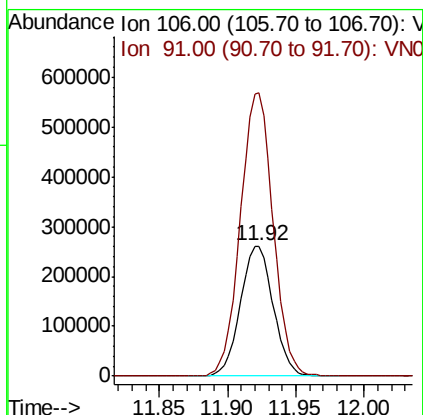
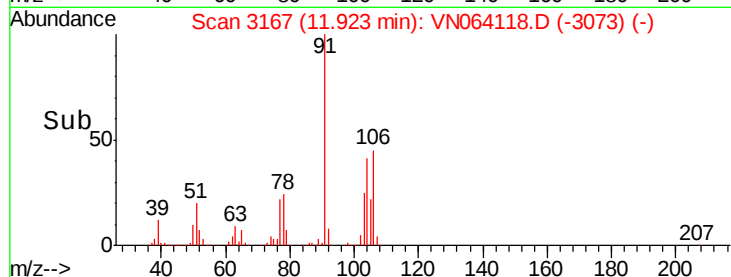
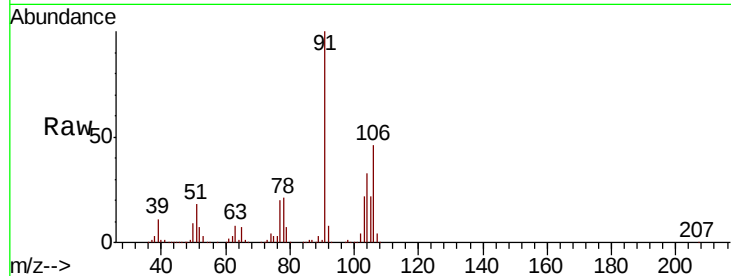




#69
o-Xylene
Concen: 51.349 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

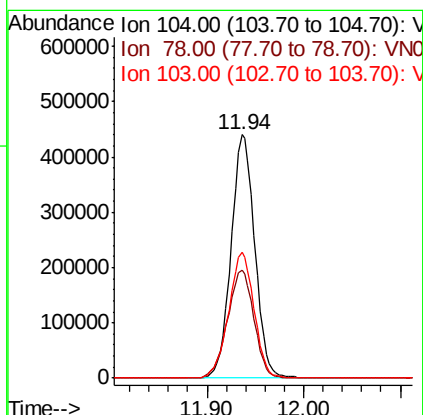
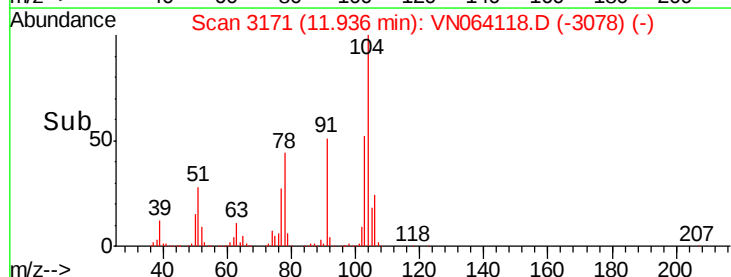
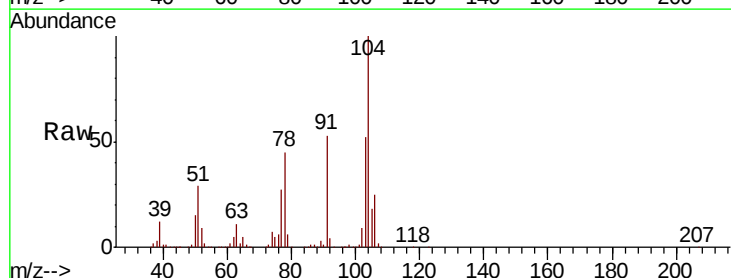
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

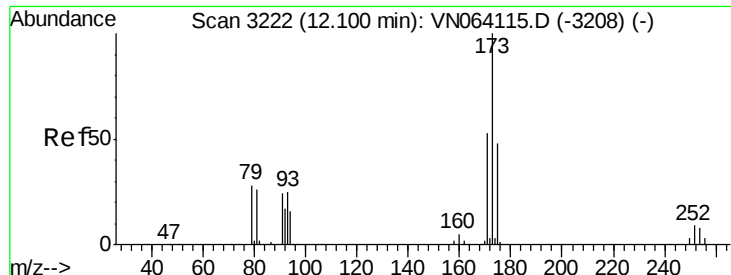
Tot Ion:106 Resp: 436039
Ion Ratio Lower Upper
106 100
91 216.5 107.6 322.8



#70
Styrene
Concen: 51.172 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:104 Resp: 749371
Ion Ratio Lower Upper
104 100
78 49.5 39.7 59.5
103 55.3 44.2 66.2

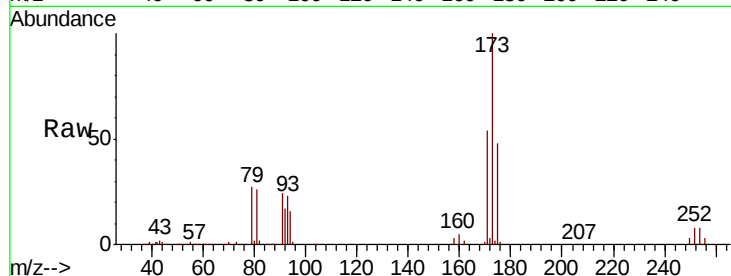




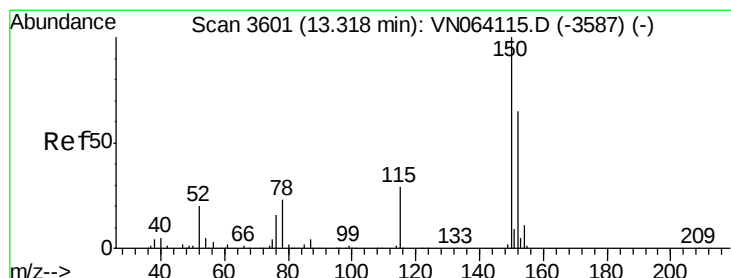
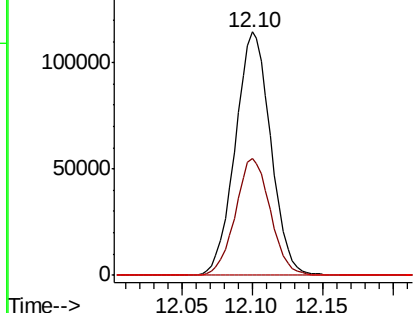
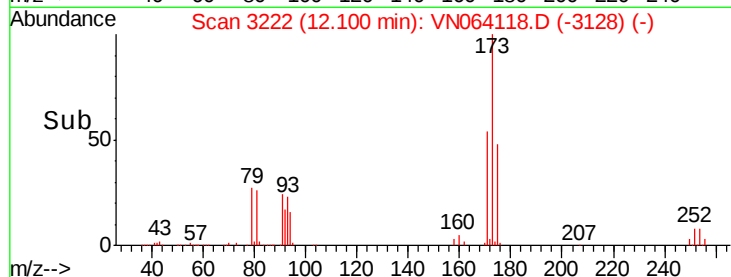
#71
Bromoform
Concen: 49.959 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion:173 Resp: 201742
Ion Ratio Lower Upper
173 100
175 47.3 23.4 70.2
254 0.1 0.1 0.1

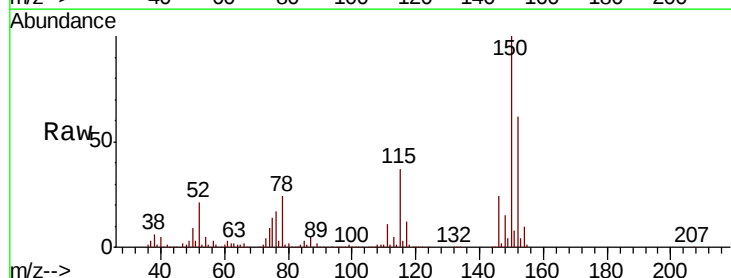


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

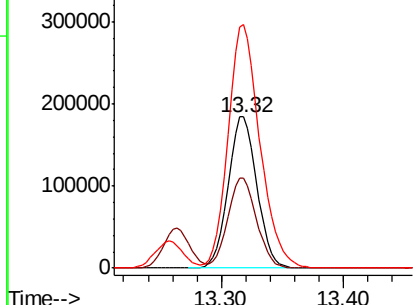
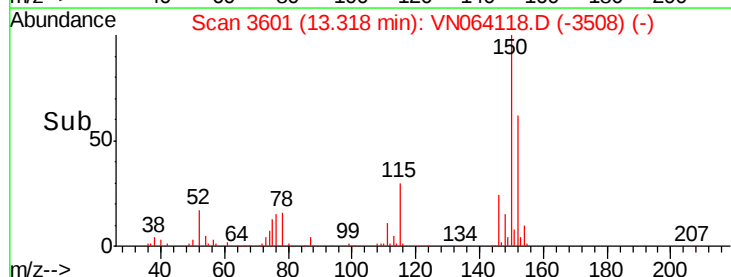


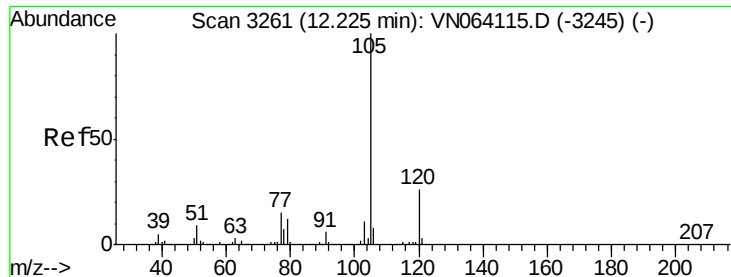
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:152 Resp: 304464
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.8
150 175.8 0.0 346.0



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





#73

Isopropylbenzene

Concen: 52.674 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

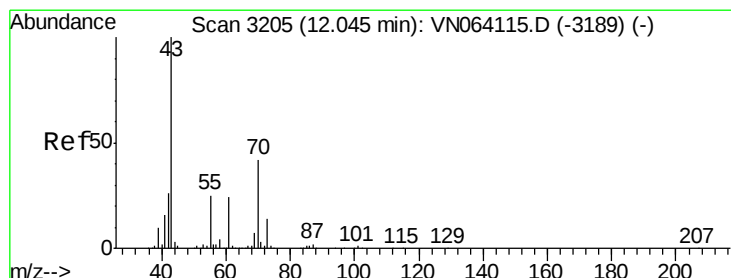
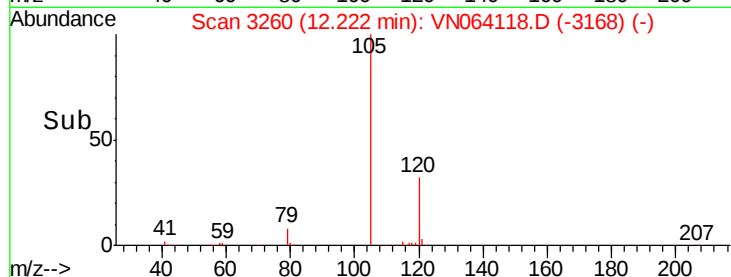
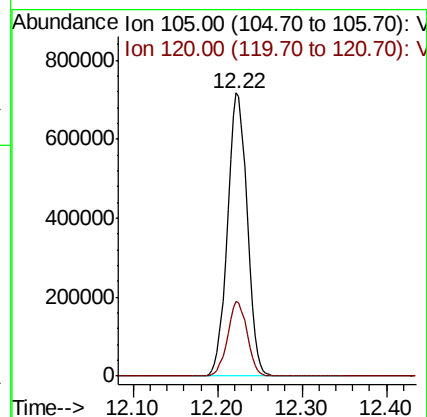
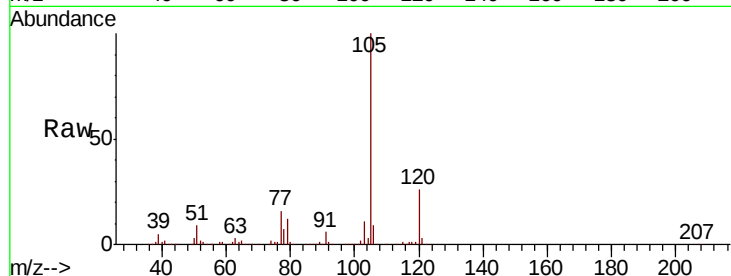
ICVVN101420

Tot Ion:105 Resp: 1161671

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 51.821 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion: 43 Resp: 427987

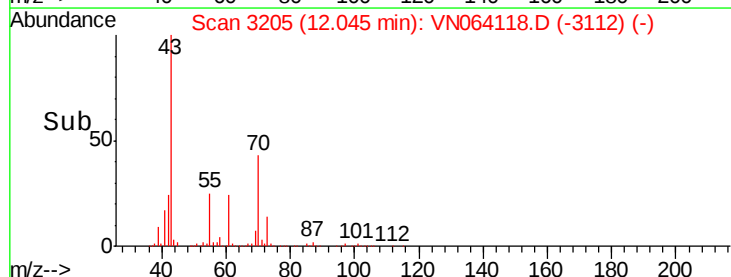
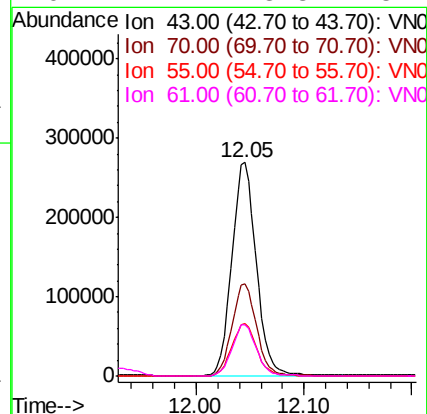
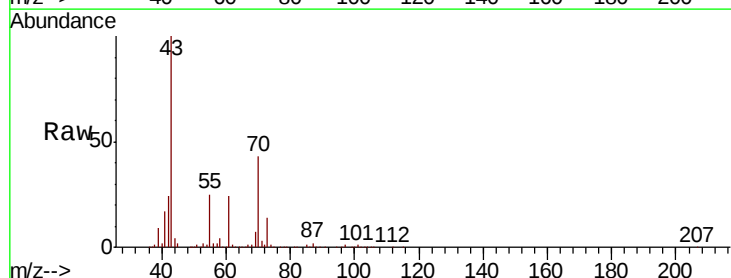
Ion Ratio Lower Upper

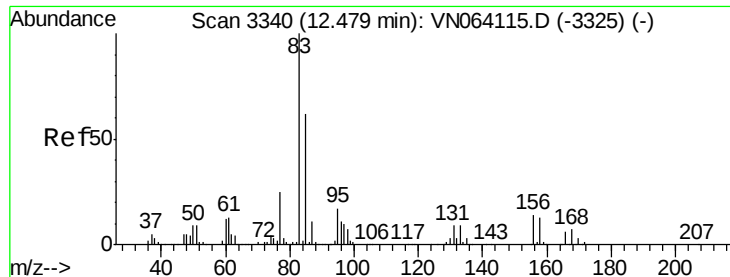
43 100

70 43.3 33.2 49.8

55 25.1 19.9 29.9

61 24.1 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.597 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN101420

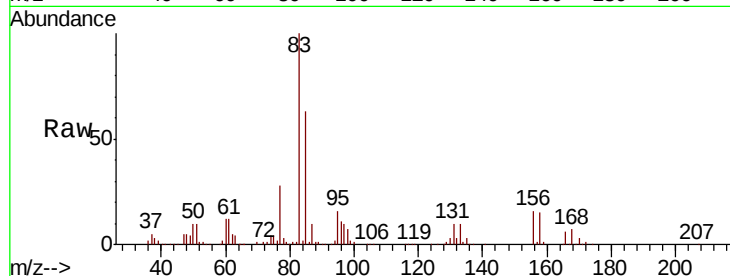
Tot Ion: 83 Resp: 353808

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

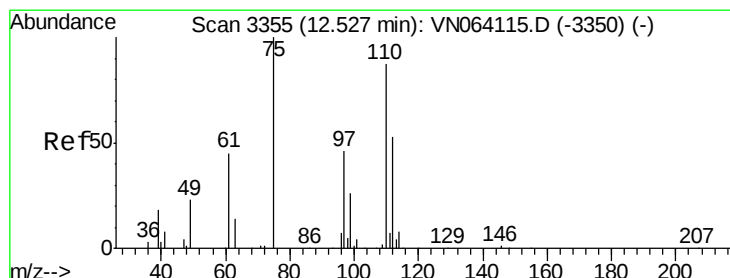
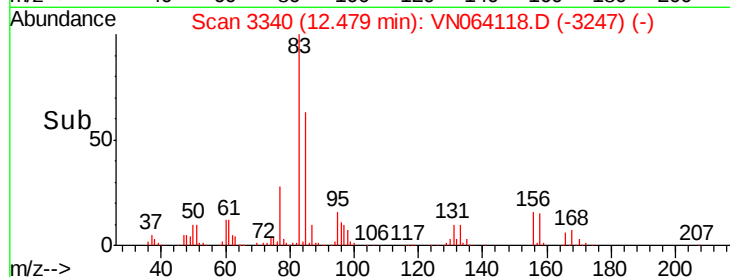
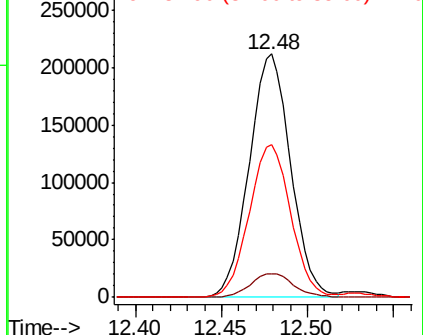
85 62.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 65.357 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064118.D

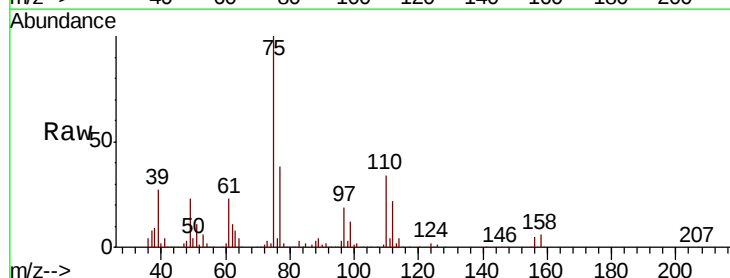
Acq: 14 Oct 2020 17:09

Tgt Ion: 75 Resp: 466838

Ion Ratio Lower Upper

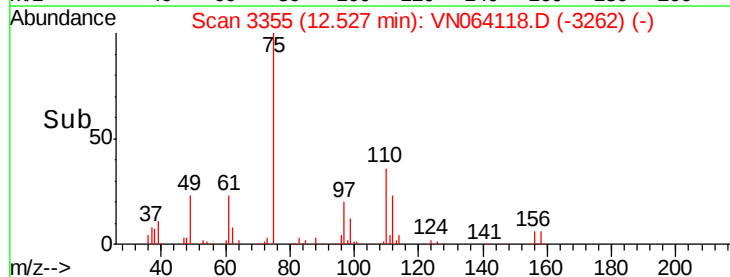
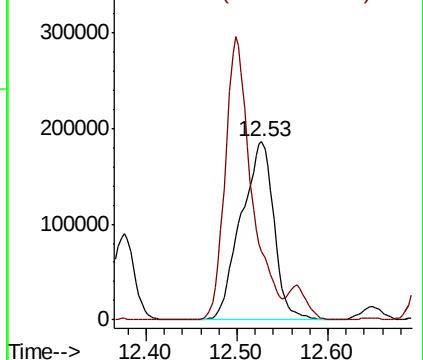
75 100

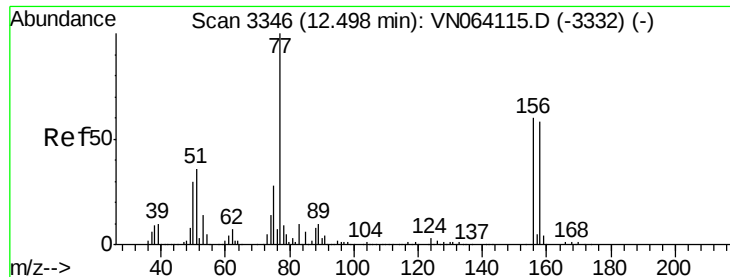
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.088 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101420

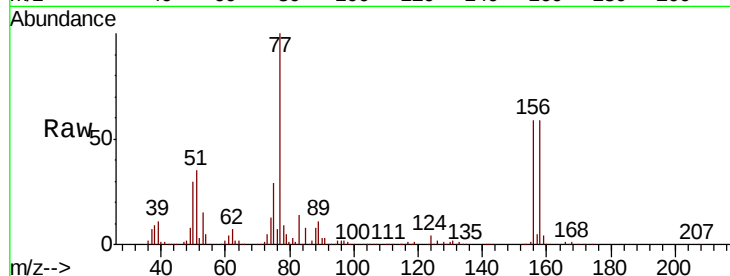
Tot Ion:156 Resp: 299885

Ion Ratio Lower Upper

156 100

77 198.7 99.3 297.9

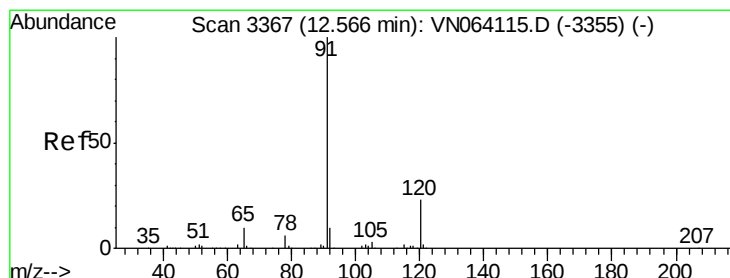
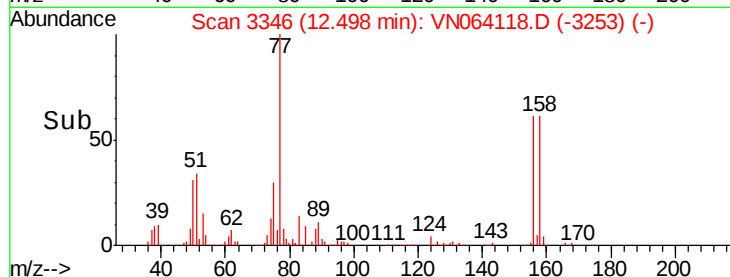
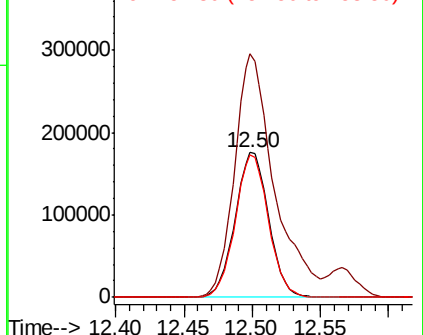
158 97.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.806 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064118.D

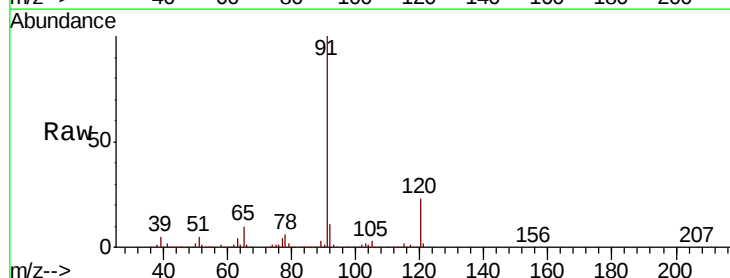
Acq: 14 Oct 2020 17:09

Tgt Ion: 91 Resp: 1324428

Ion Ratio Lower Upper

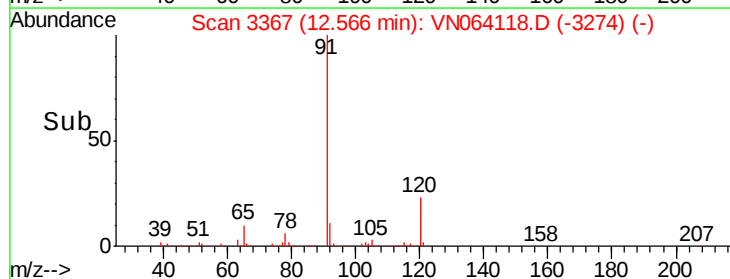
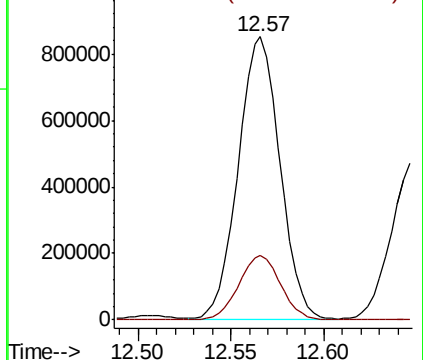
91 100

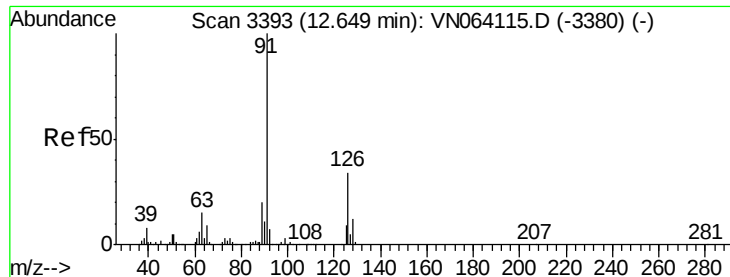
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.178 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

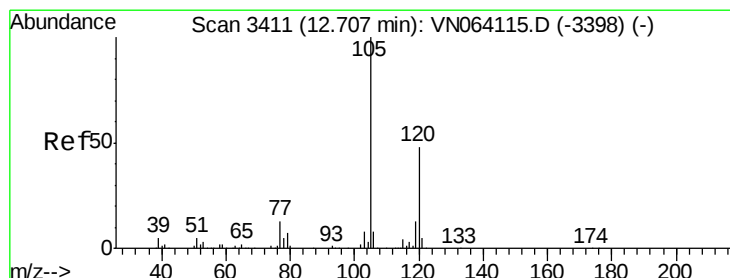
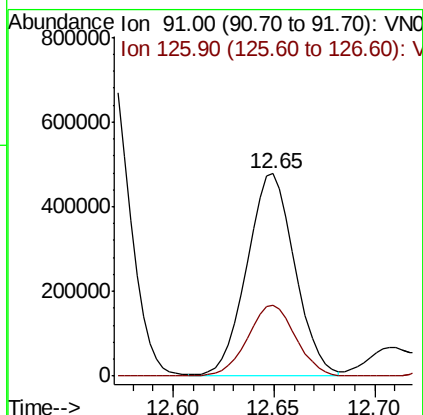
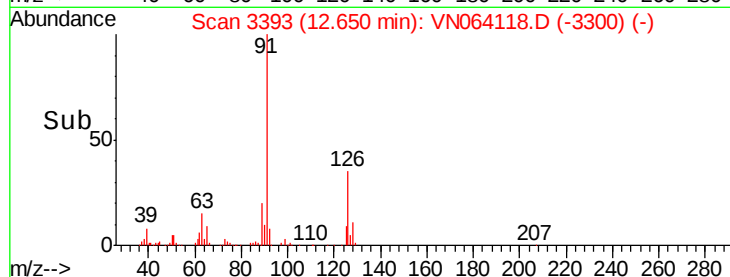
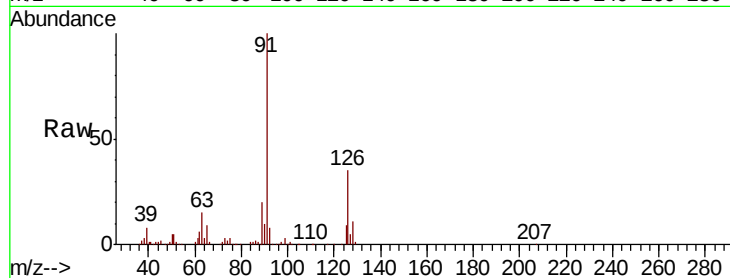
ICVVN101420

Tot Ion: 91 Resp: 785552

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 54.423 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064118.D

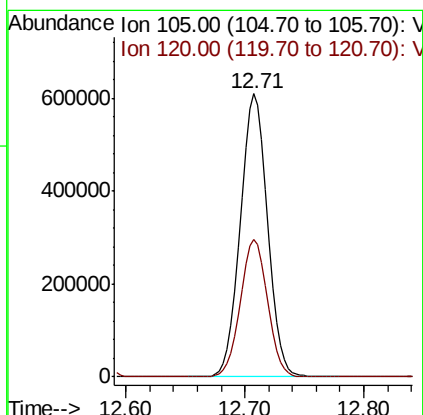
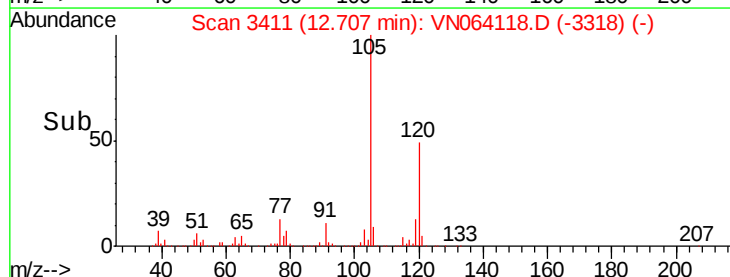
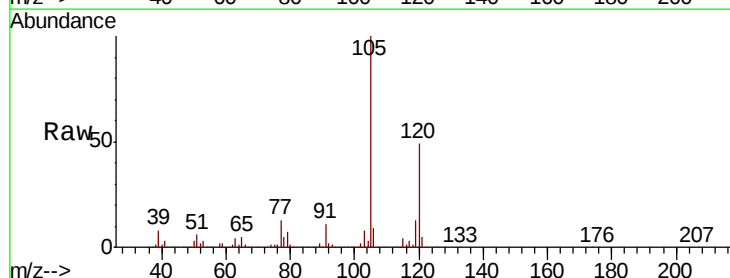
Acq: 14 Oct 2020 17:09

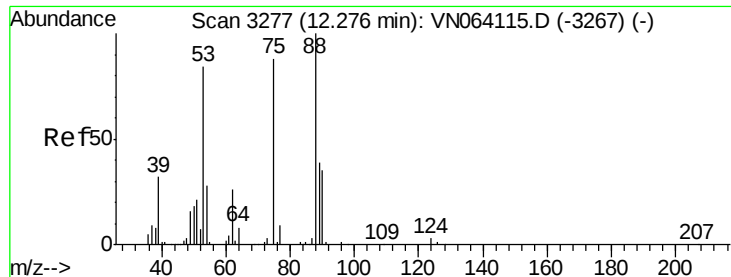
Tgt Ion: 105 Resp: 963378

Ion Ratio Lower Upper

105 100

120 48.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.838 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

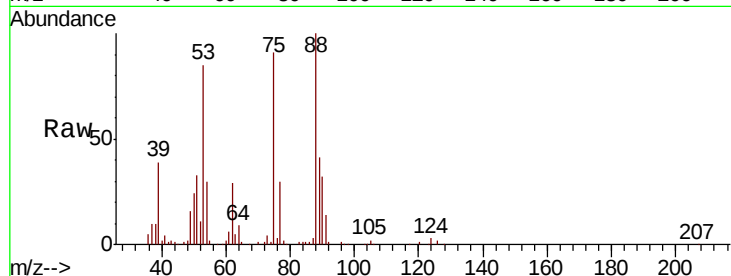
Tot Ion: 75 Resp: 121197

Ion Ratio Lower Upper

75 100

53 94.5 75.7 113.5

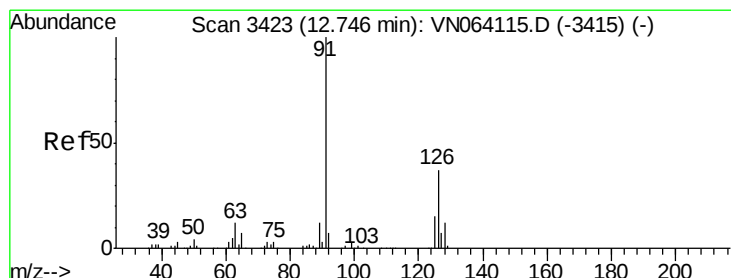
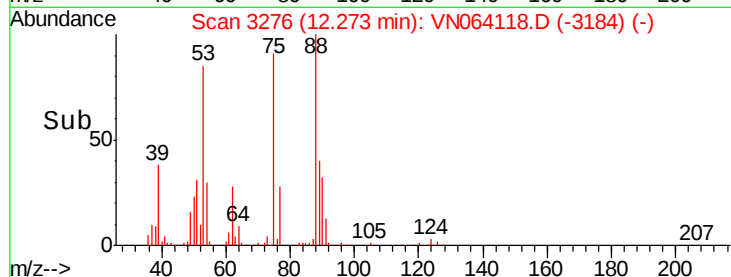
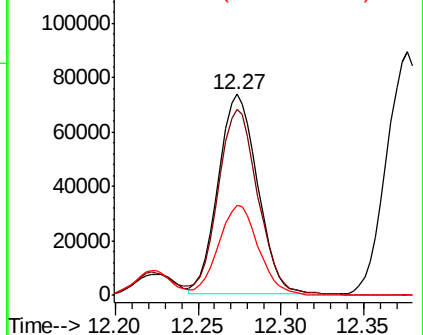
89 45.4 36.6 55.0



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: 53.580 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064118.D

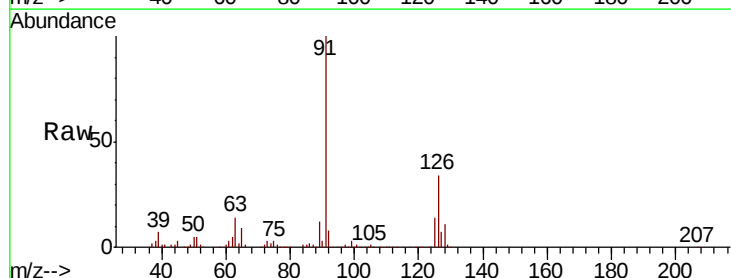
Acq: 14 Oct 2020 17:09

Tgt Ion: 91 Resp: 845399

Ion Ratio Lower Upper

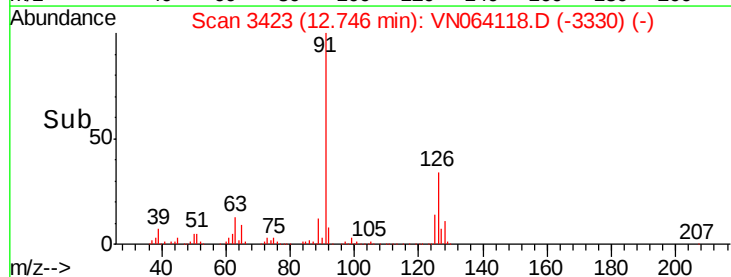
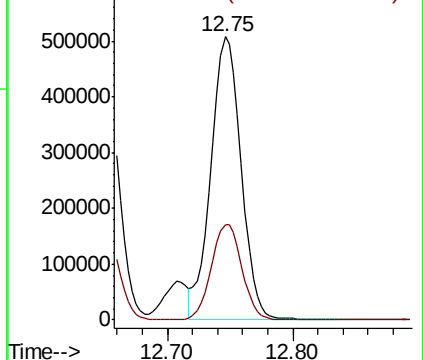
91 100

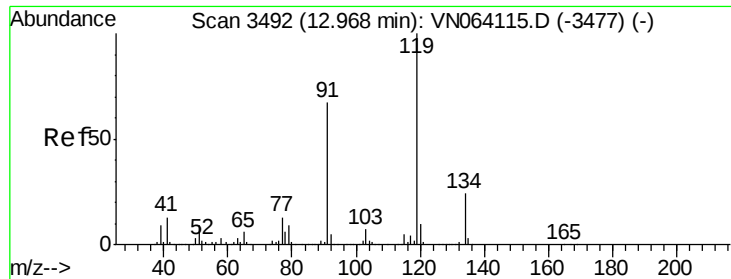
126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

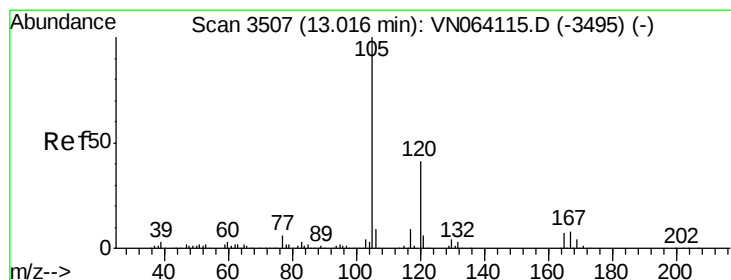
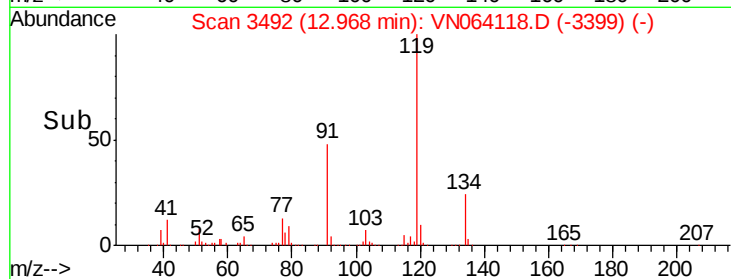
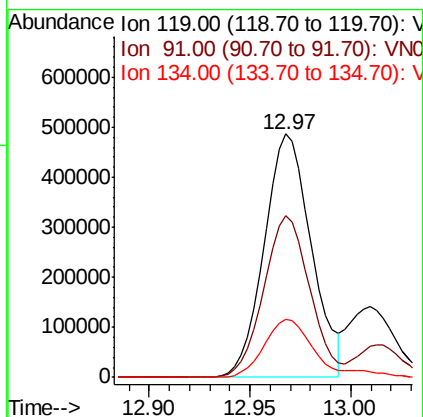
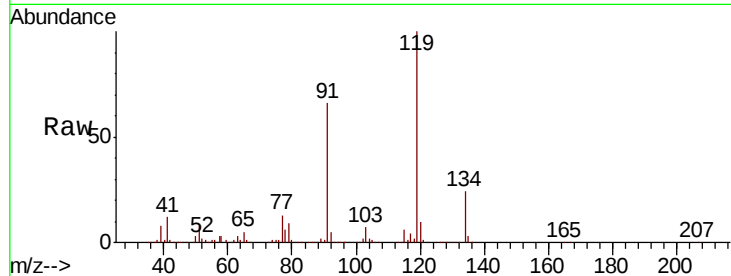




#83
tert-Butylbenzene
Concen: 53.967 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

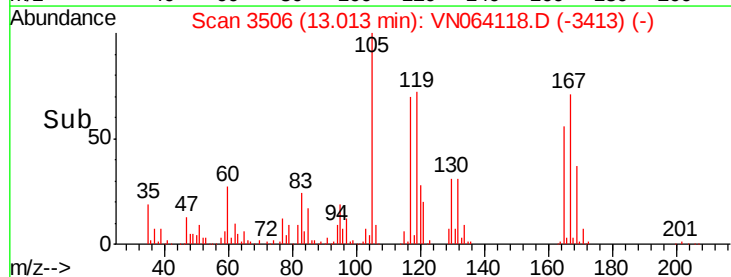
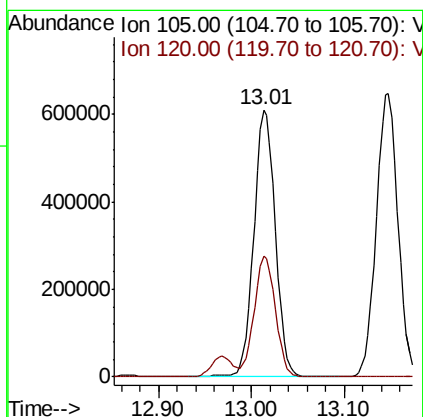
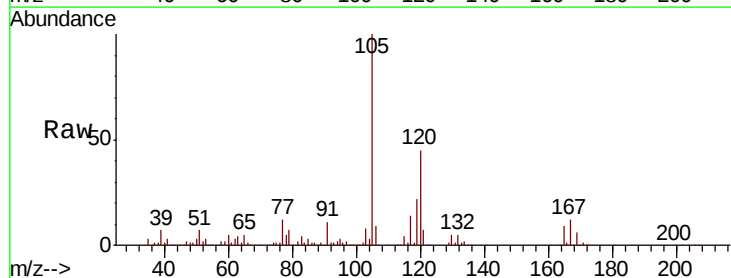
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

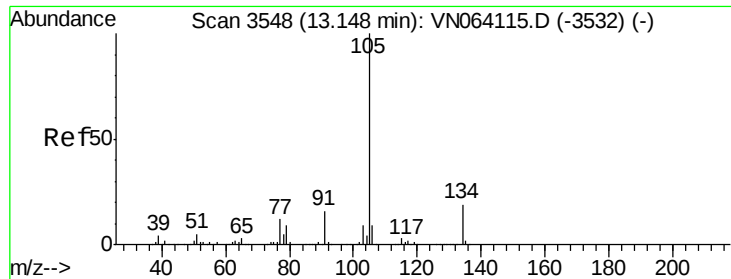
Tot Ion:119 Resp: 790075
Ion Ratio Lower Upper
119 100
91 65.0 32.6 98.0
134 23.8 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 53.041 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:105 Resp: 978843
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 55.697 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

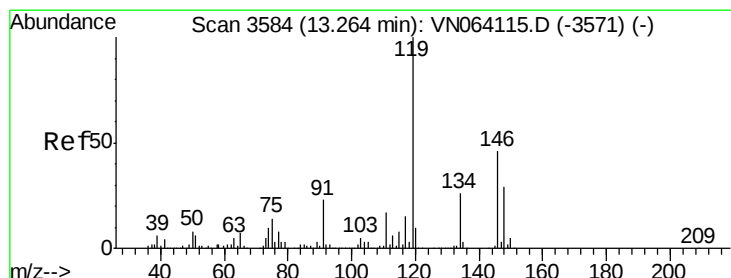
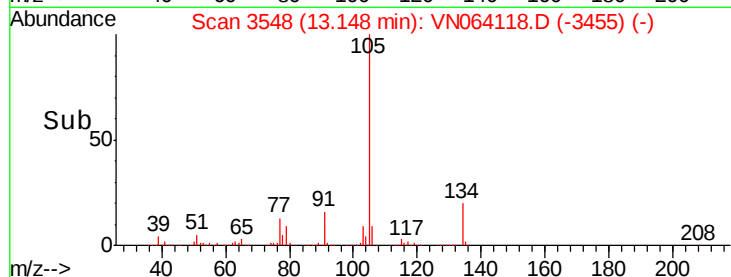
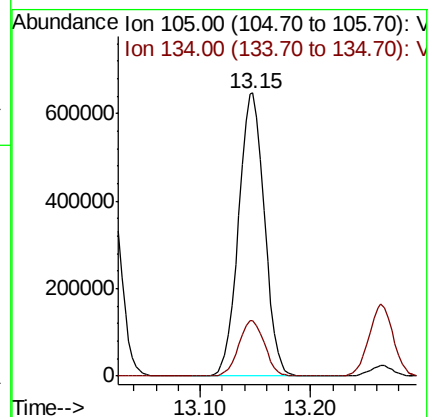
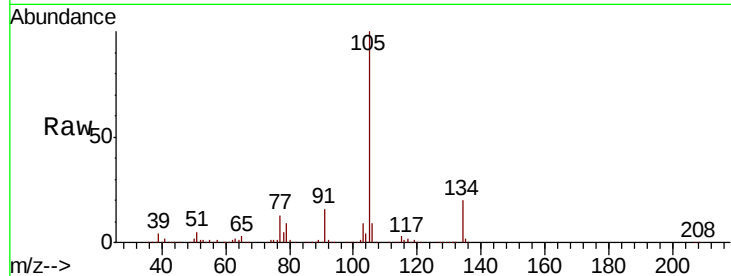
ICVVN101420

Tot Ion:105 Resp: 1048218

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



#86

p-Isopropyltoluene

Concen: 53.660 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

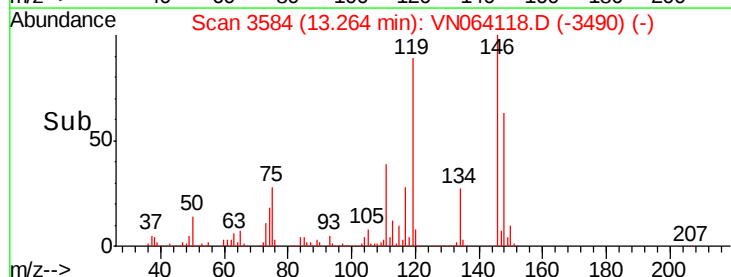
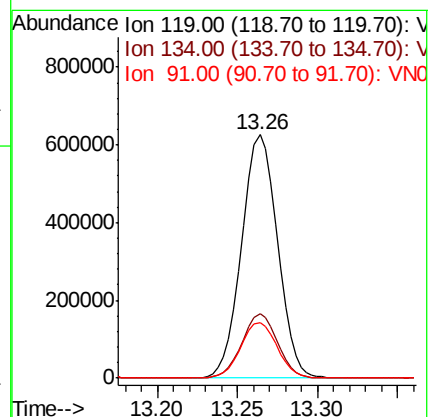
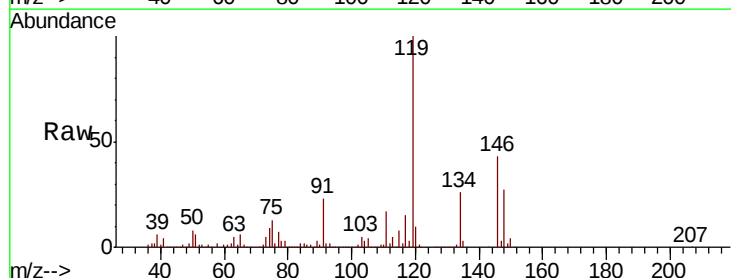
Tgt Ion:119 Resp: 956049

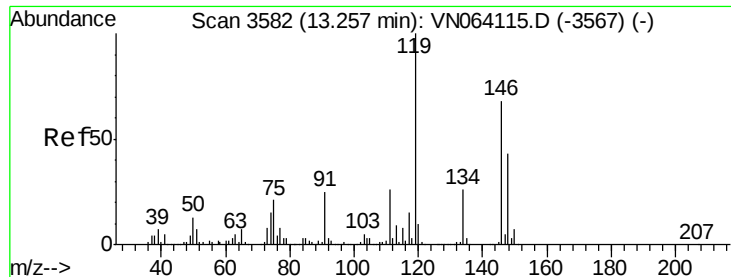
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.0 12.0 36.1

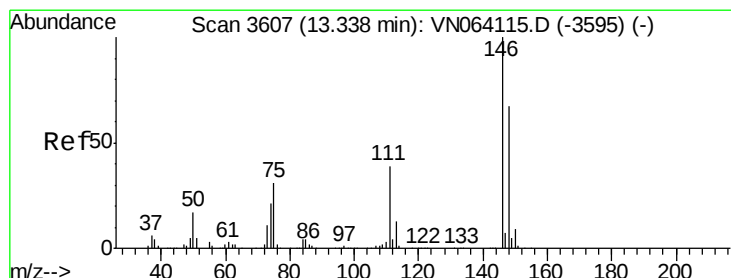
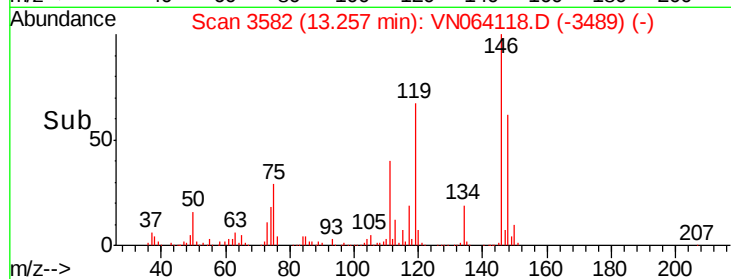
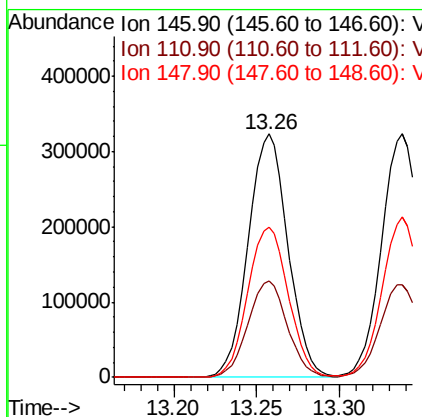
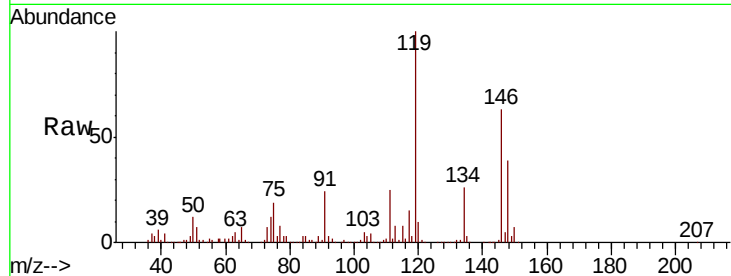




#87
 1,3-Dichlorobenzene
 Concen: 53.967 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

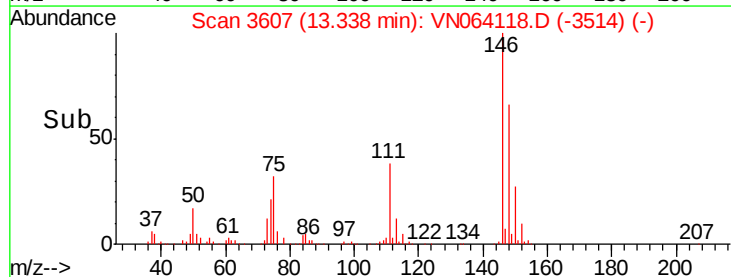
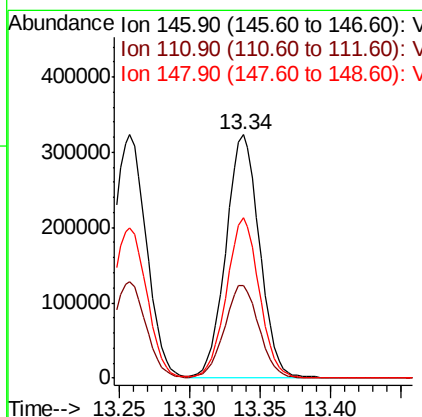
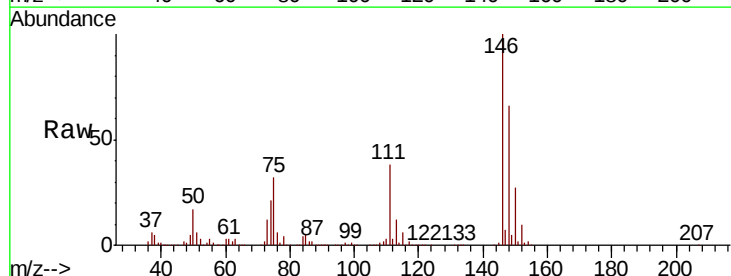
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

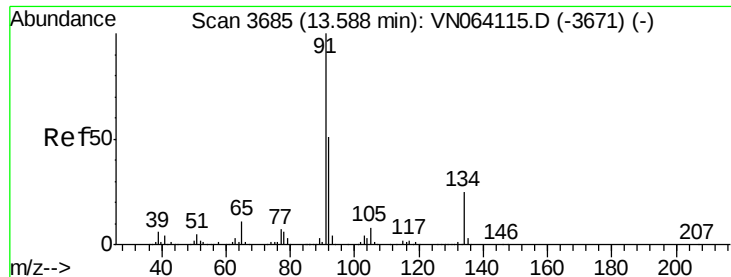
Tot Ion:146 Resp: 538353
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.1
 148 63.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.587 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion:146 Resp: 536548
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.9
 148 64.5 32.1 96.5





#89

n-Butylbenzene

Concen: 59.290 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

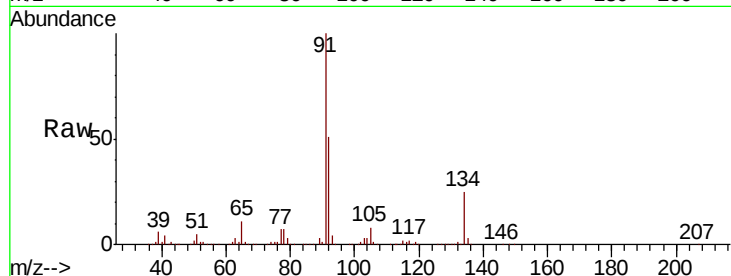
Tot Ion: 91 Resp: 813082

Ion Ratio Lower Upper

91 100

92 50.4 25.6 76.6

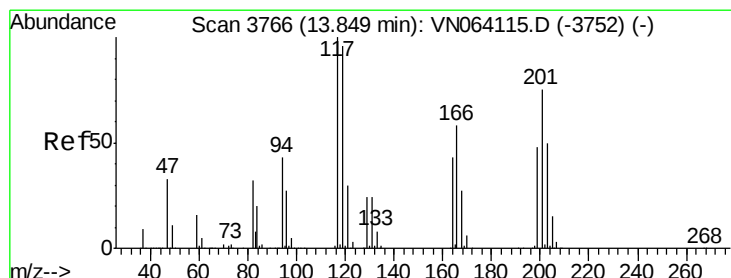
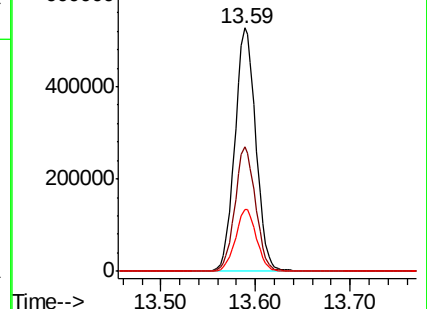
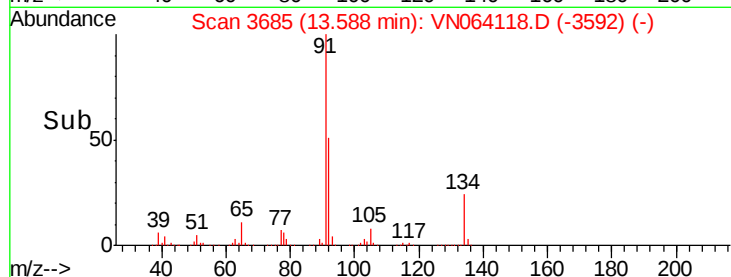
134 25.5 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN064118.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064118.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064118.D (-3671) (-)



#90

Hexachloroethane

Concen: 50.057 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064118.D

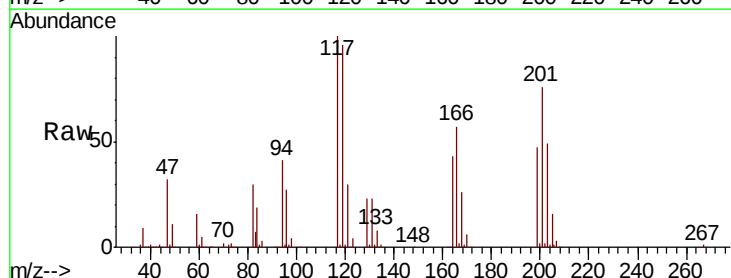
Acq: 14 Oct 2020 17:09

Tgt Ion: 117 Resp: 156783

Ion Ratio Lower Upper

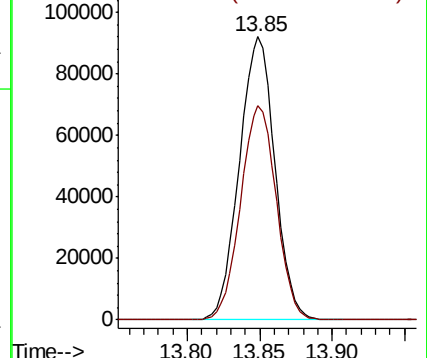
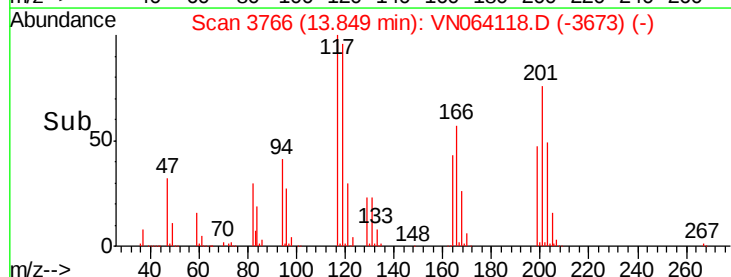
117 100

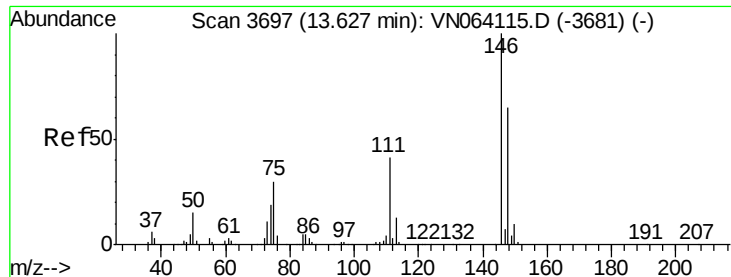
201 76.1 37.4 112.2



Abundance Ion 116.80 (116.50 to 117.50): VN064118.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN064118.D (-3752) (-)





#91

1,2-Dichlorobenzene

Concen: 53.222 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

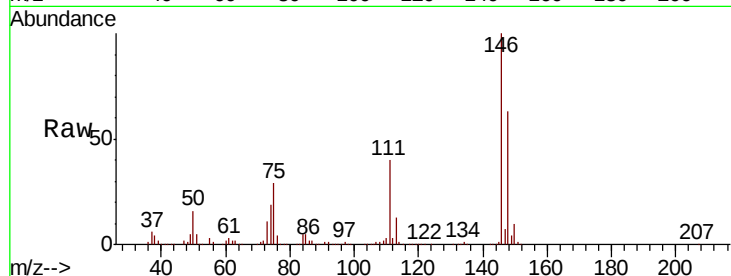
Tot Ion:146 Resp: 528430

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

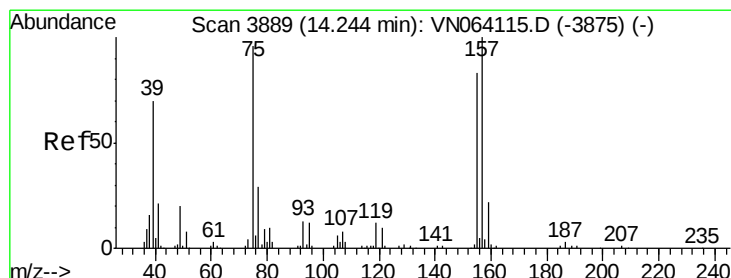
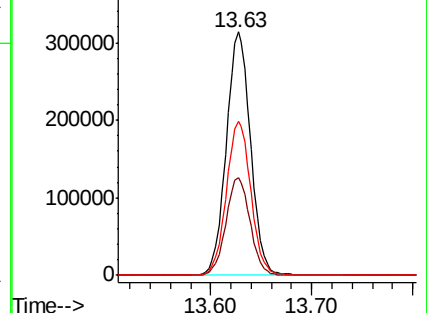
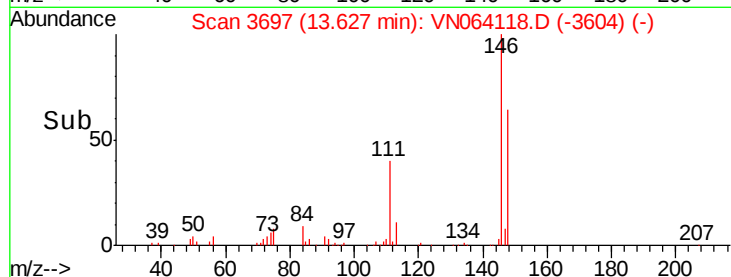
148 63.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.763 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

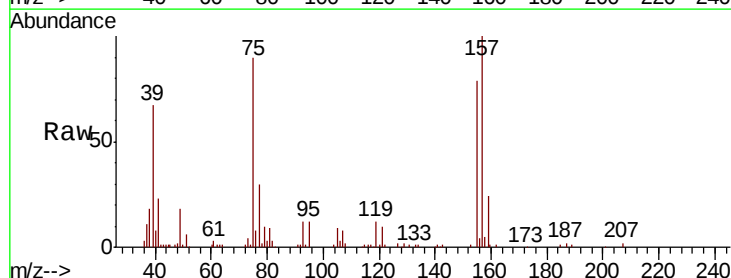
Tgt Ion: 75 Resp: 66879

Ion Ratio Lower Upper

75 100

155 86.8 40.8 122.2

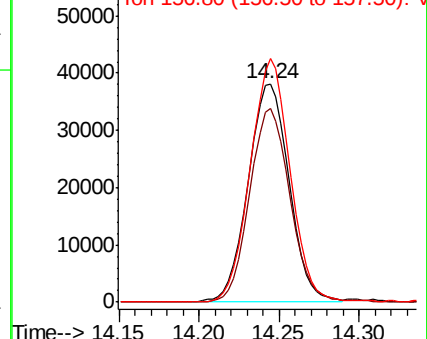
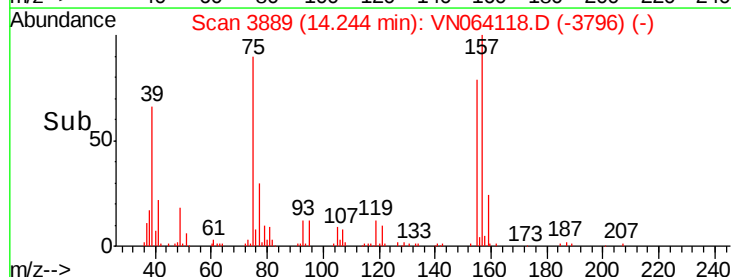
157 108.0 53.9 161.7

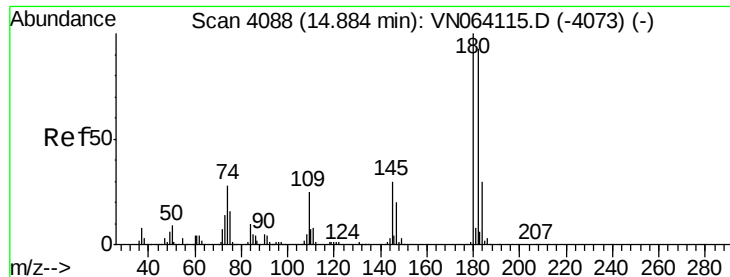


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

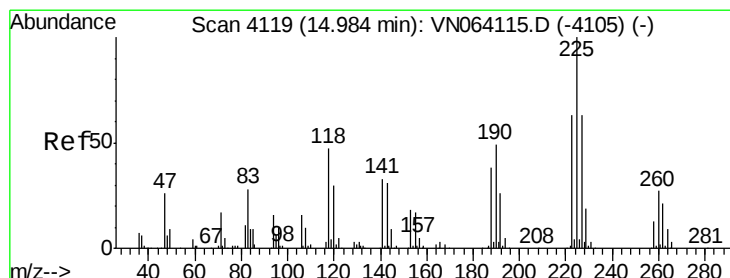
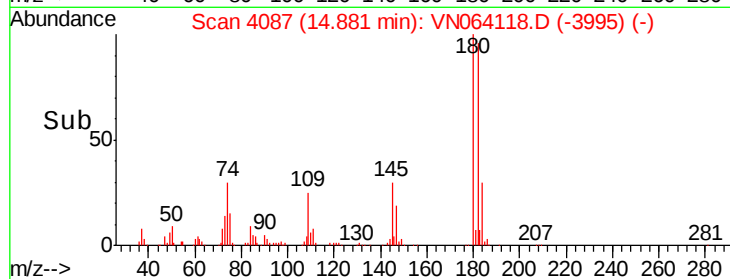
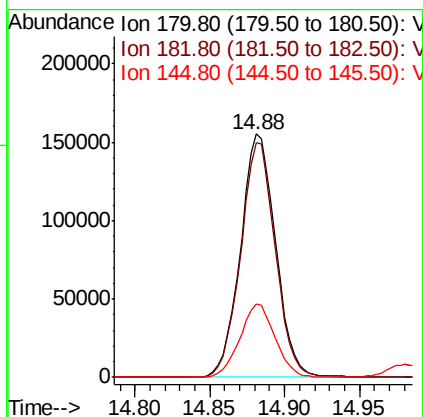
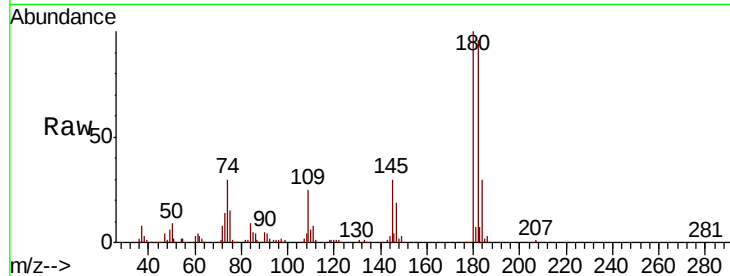




#93
 1,2,4-Trichlorobenzene
 Concen: 51.829 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

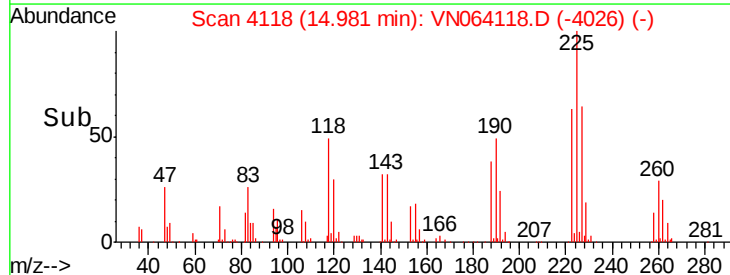
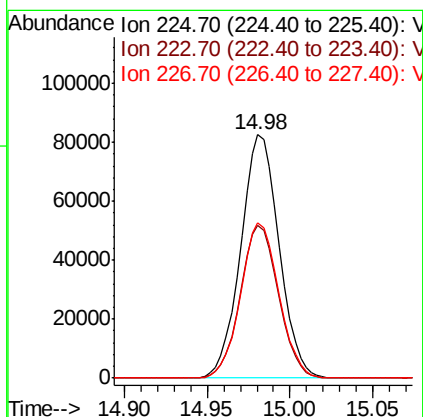
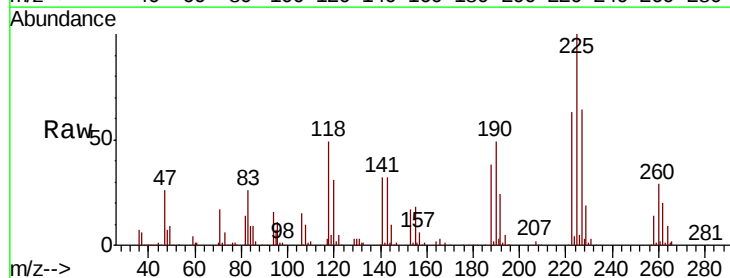
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

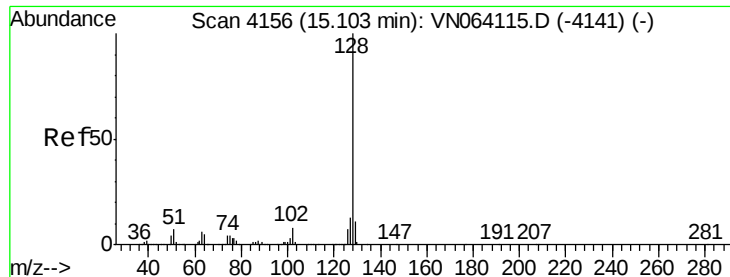
Tot Ion:180 Resp: 253294
 Ion Ratio Lower Upper
 180 100
 182 95.7 45.8 137.4
 145 30.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 56.052 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion:225 Resp: 132577
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.3 96.9
 227 63.4 31.6 94.8

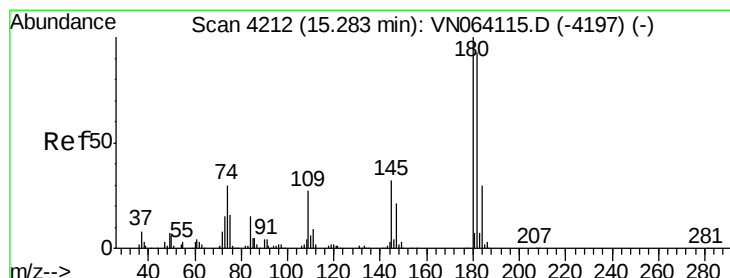
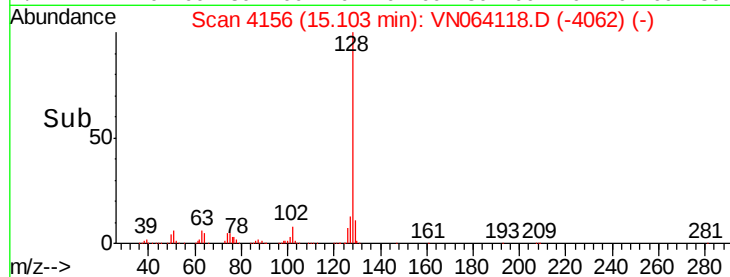
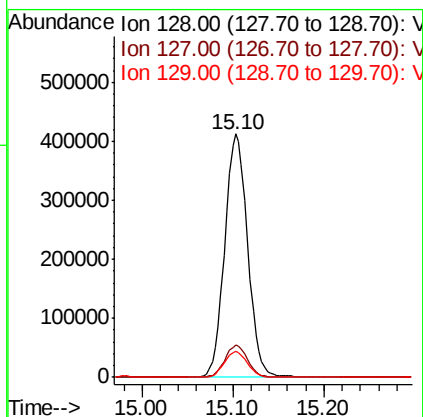
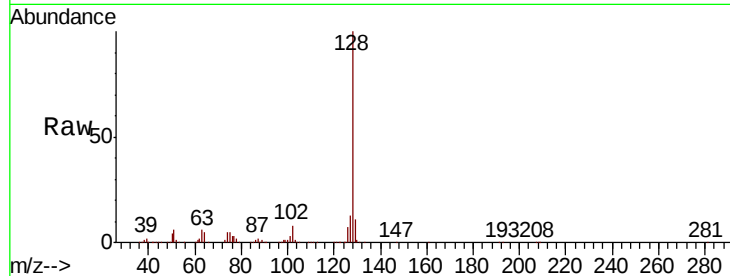




#95
Naphthalene
Concen: 48.572 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion:128 Resp: 722081
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.454 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:180 Resp: 250455
Ion Ratio Lower Upper
180 100
182 94.7 46.6 139.8
145 31.6 16.1 48.2

