

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064121.D
 Acq On : 14 Oct 2020 18:56
 Operator : JC/MD
 Sample : VN1014WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Quant Time: Oct 15 05:58:05 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	7.63	168	356512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	605799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	560754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	252399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	251963	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.55	113	201847	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.06	98	762006	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.38	95	249153	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63628	18.943	ug/l	100
3) Chloromethane	2.04	50	77327	18.483	ug/l	98
4) Vinyl Chloride	2.16	62	92350	17.733	ug/l	95
5) Bromomethane	2.53	94	72437	18.535	ug/l	97
6) Chloroethane	2.68	64	71730	17.325	ug/l	94
7) Trichlorofluoromethane	2.98	101	126886	17.715	ug/l	99
8) Diethyl Ether	3.38	74	40786	18.201	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	66170	18.819	ug/l	99
10) Methyl Iodide	3.91	142	84133	16.972	ug/l	100
11) Tert butyl alcohol	4.73	59	52683	93.710	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	60962	17.168	ug/l	97
13) Acrolein	3.57	56	39200	84.890	ug/l	100
14) Allyl chloride	4.28	41	99654	17.987	ug/l	98
15) Acrylonitrile	4.93	53	144372	89.439	ug/l	99
16) Acetone	3.78	43	137254	91.134	ug/l	99
17) Carbon Disulfide	4.01	76	182255	17.958	ug/l	97
18) Methyl Acetate	4.28	43	66620	17.634	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	189310	18.075	ug/l	99
20) Methylene Chloride	4.51	84	78693	16.886	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	73656	18.296	ug/l	97
22) Diisopropyl ether	5.90	45	200878	18.664	ug/l #	88
23) Vinyl Acetate	5.85	43	889162	92.487	ug/l	99
24) 1,1-Dichloroethane	5.80	63	133405	17.749	ug/l	99
25) 2-Butanone	6.79	43	207646	89.638	ug/l	97
26) 2,2-Dichloropropane	6.78	77	114286	18.277	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	84963	17.940	ug/l	98
28) Bromochloromethane	7.15	49	63870	17.841	ug/l #	99
29) Tetrahydrofuran	7.17	42	121873	90.020	ug/l	99
30) Chloroform	7.33	83	143442	17.915	ug/l	98
31) Cyclohexane	7.62	56	101730	18.124	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	128113	18.516	ug/l	100
36) 1,1-Dichloropropene	7.76	75	99583	17.054	ug/l	97
37) Ethyl Acetate	6.88	43	89973	17.363	ug/l	99
38) Carbon Tetrachloride	7.73	117	109565	17.450	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	85021	17.320	ug/l	98
40) Benzene	8.00	78	315798	17.859	ug/l	99
41) Methacrylonitrile	7.17	41	122844	54.755	ug/l #	15
42) 1,2-Dichloroethane	8.09	62	112510	17.882	ug/l	100
43) Isopropyl Acetate	8.13	43	147987	17.209	ug/l #	90
44) Trichloroethene	8.80	130	82448	17.732	ug/l	96
45) 1,2-Dichloropropane	9.08	63	83510	18.026	ug/l	99
46) Dibromomethane	9.17	93	58095	17.675	ug/l	96
47) Bromodichloromethane	9.37	83	113701	17.681	ug/l	99
48) Methyl methacrylate	9.17	41	68372	17.213	ug/l	97
49) 1,4-Dioxane	9.17	88	19642	325.652	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	455449	89.507	ug/l	100
52) Toluene	10.13	92	197297	18.159	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	118718	17.993	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	129567	17.871	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	79802	17.730	ug/l	98
56) Ethyl methacrylate	10.40	69	99918	16.915	ug/l	98
57) 1,3-Dichloropropane	10.68	76	131891	17.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	281029	92.807	ug/l	100
59) 2-Hexanone	10.72	43	321345	86.305	ug/l	98
60) Dibromochloromethane	10.87	129	88322	17.468	ug/l	100
61) 1,2-Dibromoethane	10.98	107	82924	18.100	ug/l	100
64) Tetrachloroethene	10.60	164	75944	17.963	ug/l	97
65) Chlorobenzene	11.41	112	215742	18.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	80754	18.012	ug/l	99
67) Ethyl Benzene	11.49	91	359347	18.166	ug/l	99
68) m/p-Xylenes	11.59	106	276558	35.362	ug/l	100
69) o-Xylene	11.92	106	128012	17.469	ug/l	99
70) Styrene	11.94	104	216312	17.458	ug/l	99
71) Bromoform	12.10	173	59601	17.562	ug/l #	98
73) Isopropylbenzene	12.23	105	337102	18.439	ug/l	100
74) N-amyl acetate	12.04	43	116440	17.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	112118	17.812	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	141281	23.859	ug/l #	100
77) Bromobenzene	12.50	156	89806	18.094	ug/l	97
78) n-propylbenzene	12.57	91	383532	18.795	ug/l	100
79) 2-Chlorotoluene	12.65	91	233280	17.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	281486	19.182	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	34499	17.800	ug/l	97
82) 4-Chlorotoluene	12.75	91	237656	18.169	ug/l	99
83) tert-Butylbenzene	12.97	119	226274	18.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	278193	18.305	ug/l	98
85) sec-Butylbenzene	13.15	105	293889	18.837	ug/l	99
86) p-Isopropyltoluene	13.26	119	252940	17.576	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	152867	18.485	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	152672	18.050	ug/l	98
89) n-Butylbenzene	13.59	91	205144	18.045	ug/l	98
90) Hexachloroethane	13.85	117	47936	18.462	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	151020	18.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20191	16.666	ug/l	96

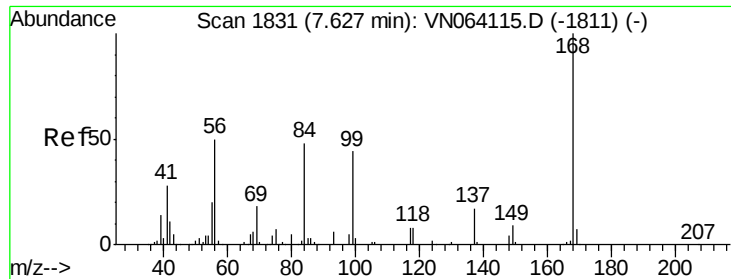
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Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62585	17.680	ug/l	98
94) Hexachlorobutadiene	14.98	225	34107	17.394	ug/l	95
95) Naphthalene	15.10	128	182196	17.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	63839	17.767	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

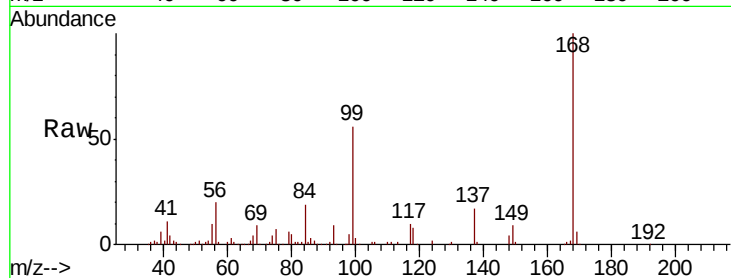
VN1014WBSD01

Tot Ion:168 Resp: 356512

Ion Ratio Lower Upper

168 100

99 55.7 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN064121.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064121.D (-1738) (-)

7.63

150000

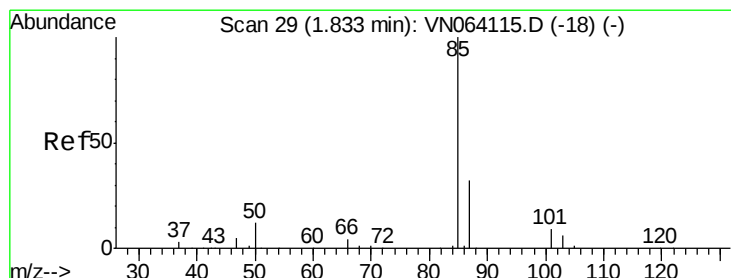
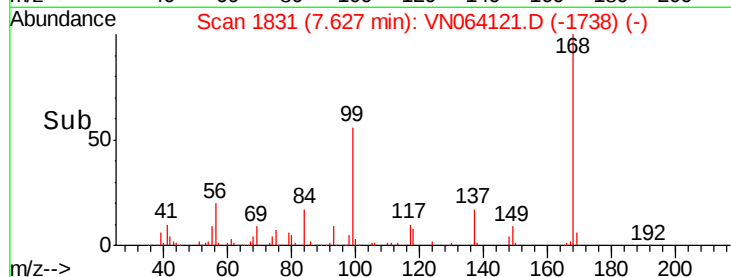
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50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.943 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064121.D

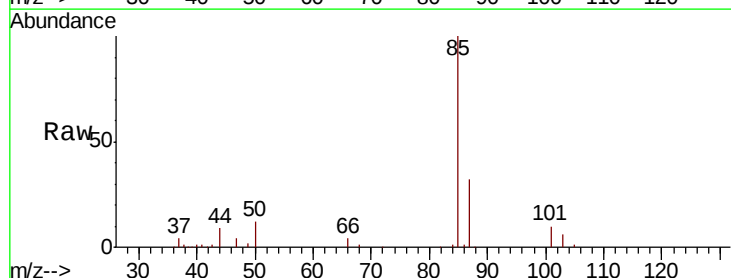
Acq: 14 Oct 2020 18:56

Tgt Ion: 85 Resp: 63628

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN064121.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN064121.D (-1) (-)

1.83

50000

40000

30000

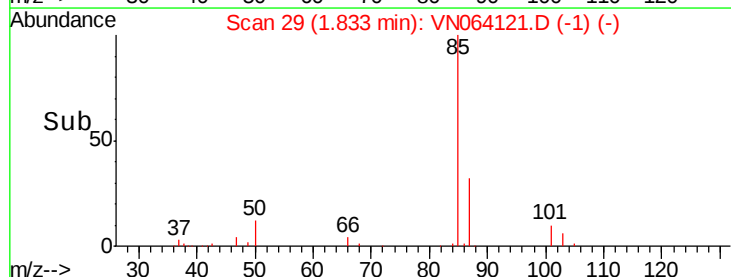
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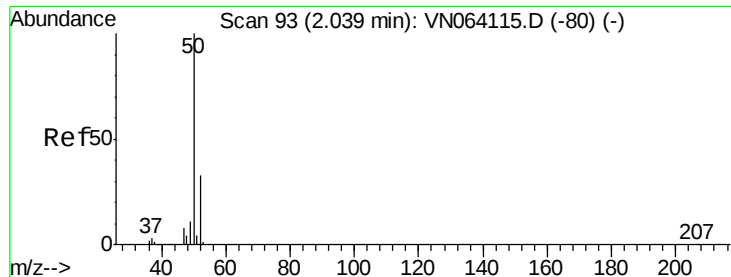
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.483 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

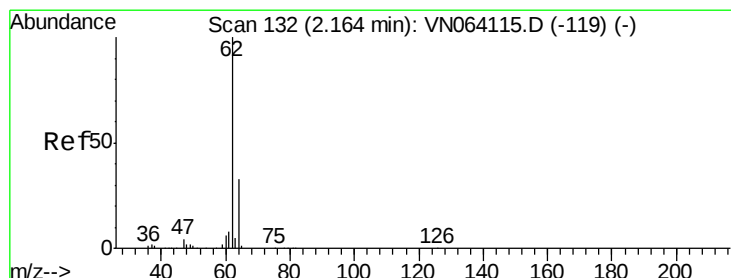
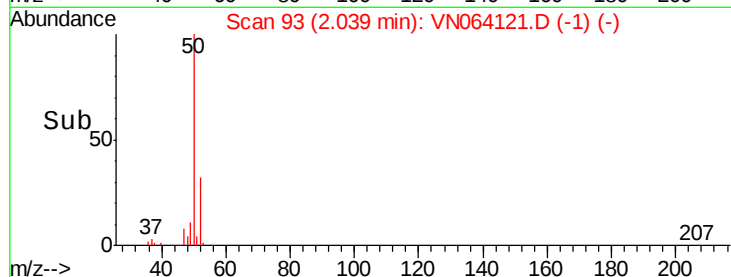
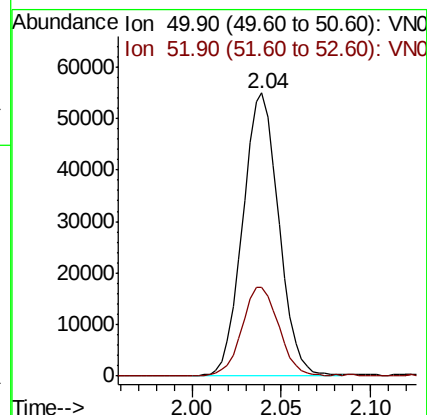
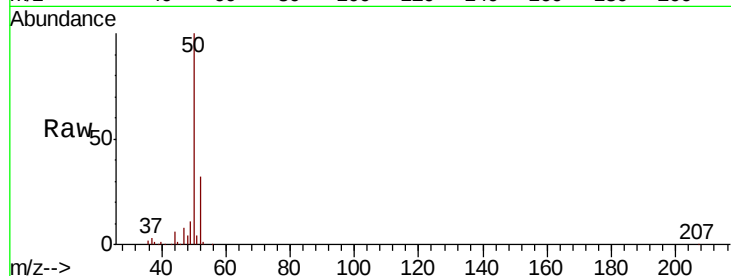
VN1014WBSD01

Tot Ion: 50 Resp: 77327

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



#4

Vinyl Chloride

Concen: 17.733 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064121.D

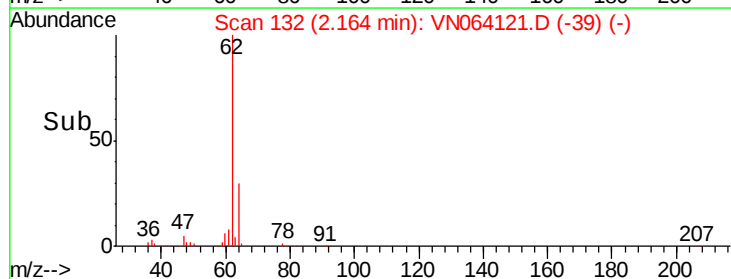
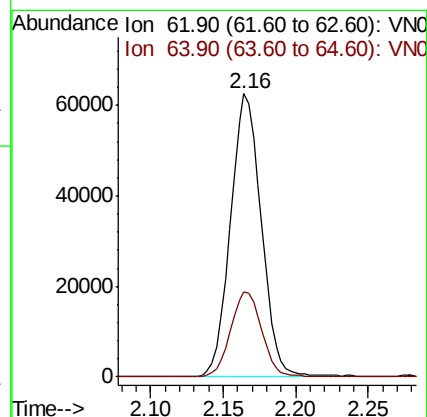
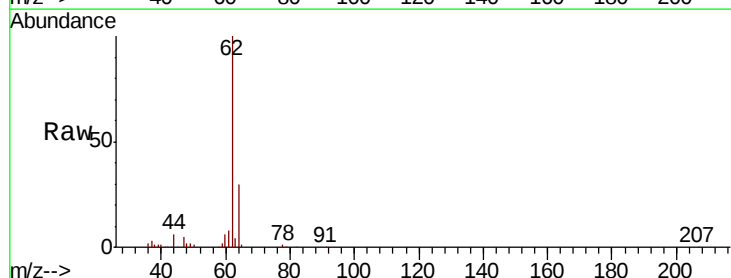
Acq: 14 Oct 2020 18:56

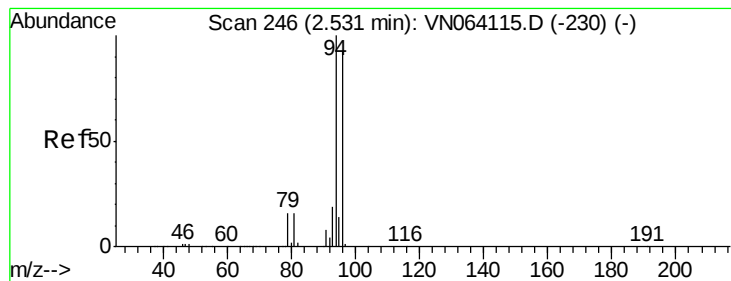
Tgt Ion: 62 Resp: 92350

Ion Ratio Lower Upper

62 100

64 30.0 26.2 39.4





#5

Bromomethane

Concen: 18.535 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

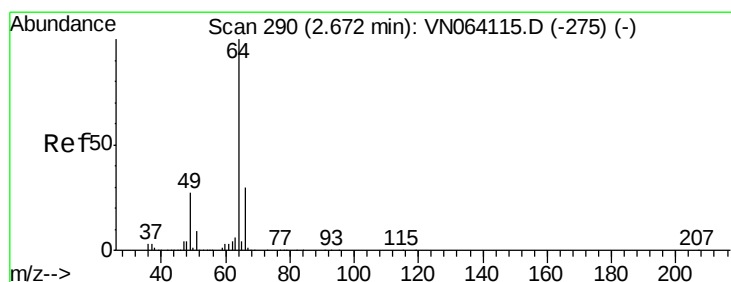
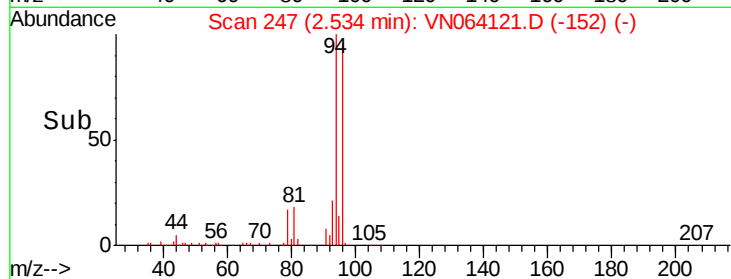
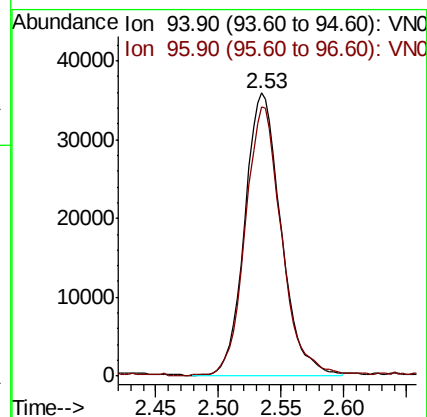
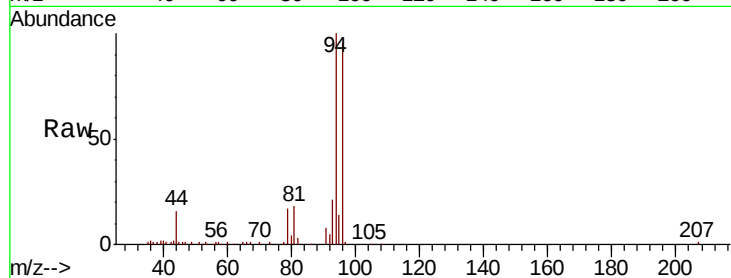
VN1014WBSD01

Tot Ion: 94 Resp: 72437

Ion Ratio Lower Upper

94 100

96 94.7 73.5 110.3



#6

Chloroethane

Concen: 17.325 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064121.D

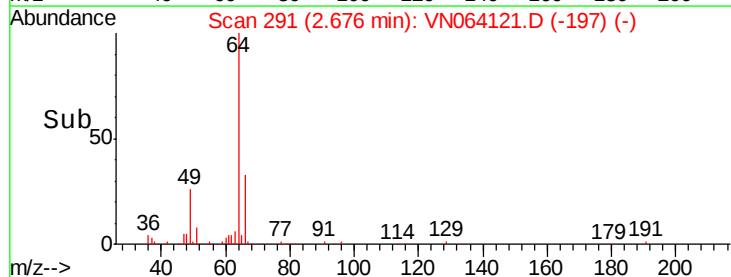
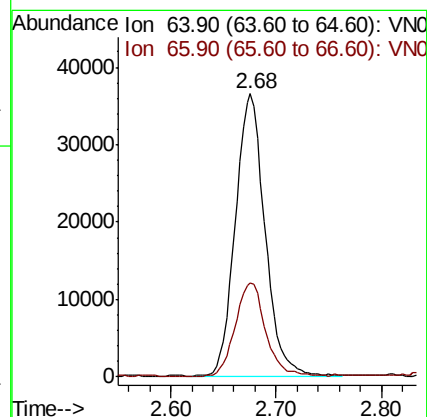
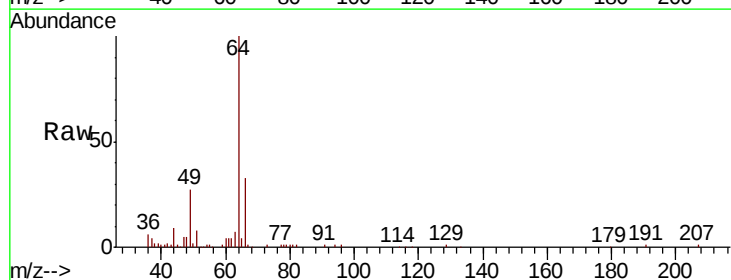
Acq: 14 Oct 2020 18:56

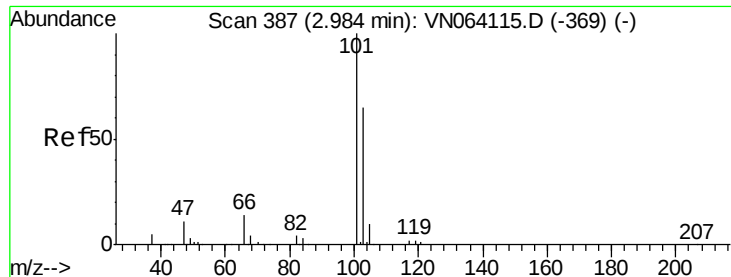
Tgt Ion: 64 Resp: 71730

Ion Ratio Lower Upper

64 100

66 33.4 24.2 36.2



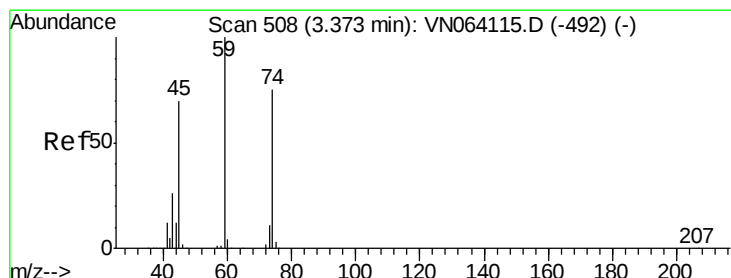
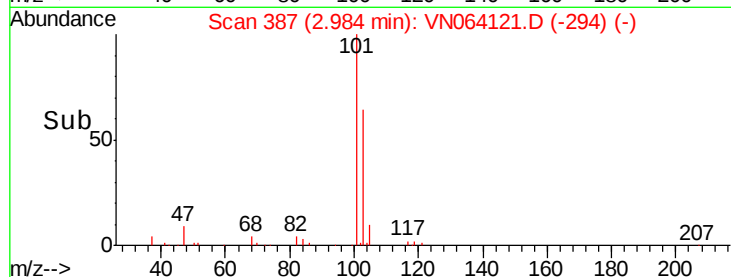
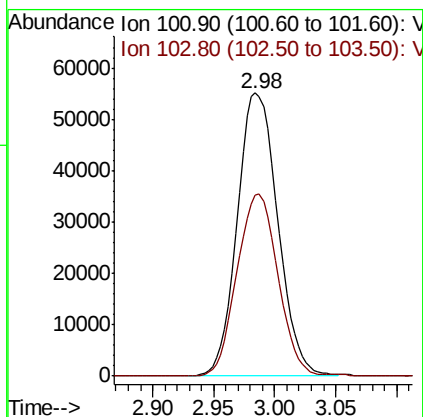
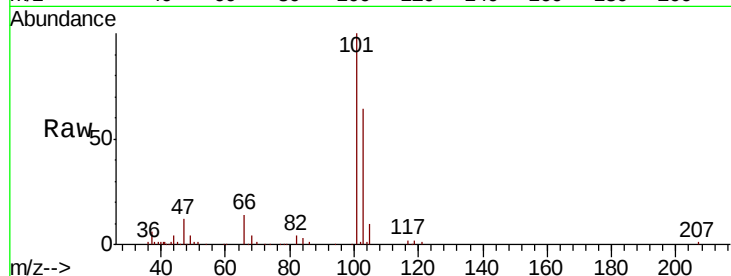


#7

Trichlorofluoromethane
 Concen: 17.715 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
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 VN1014WBSD01

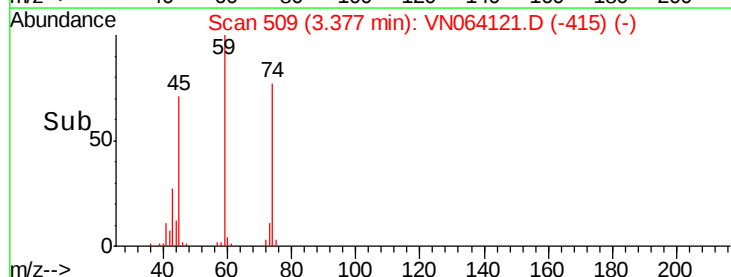
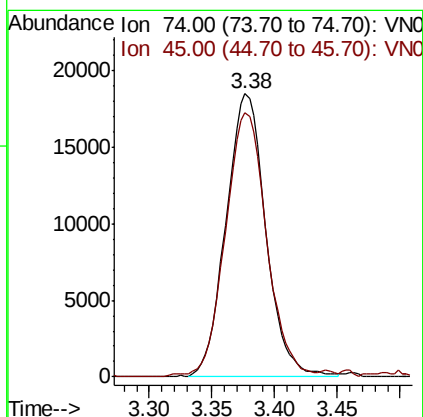
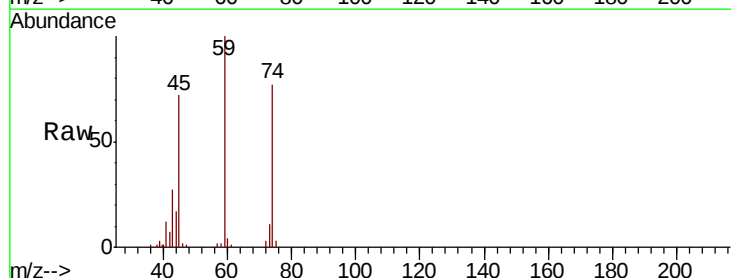
Tot Ion:101 Resp: 126886
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

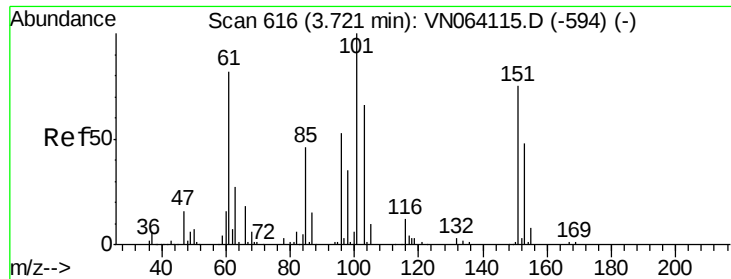


#8

Diethyl Ether
 Concen: 18.201 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 74 Resp: 40786
 Ion Ratio Lower Upper
 74 100
 45 93.7 47.0 141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.819 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

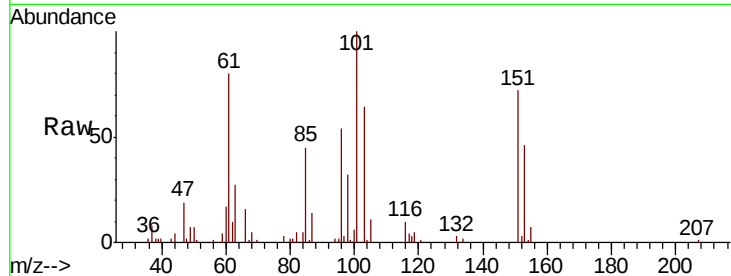
Tot Ion:101 Resp: 66170

Ion Ratio Lower Upper

101 100

85 46.2 36.9 55.3

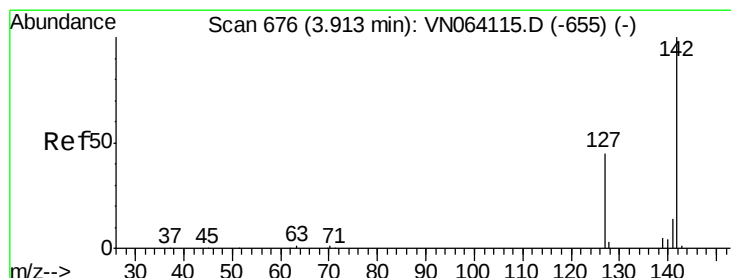
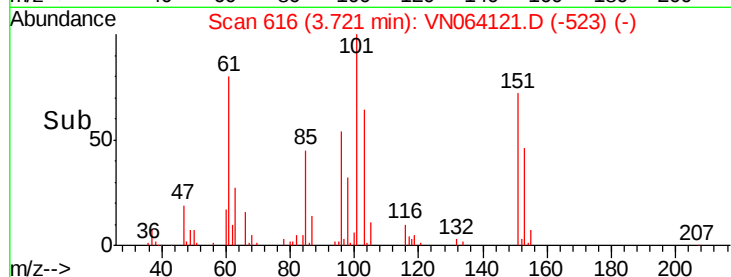
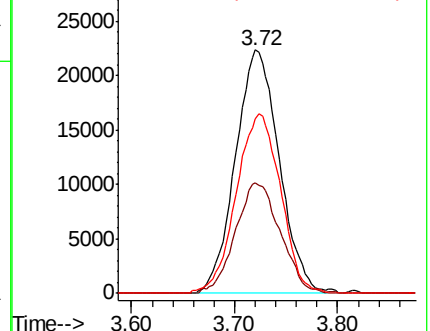
151 74.4 60.7 91.1



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: 16.972 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

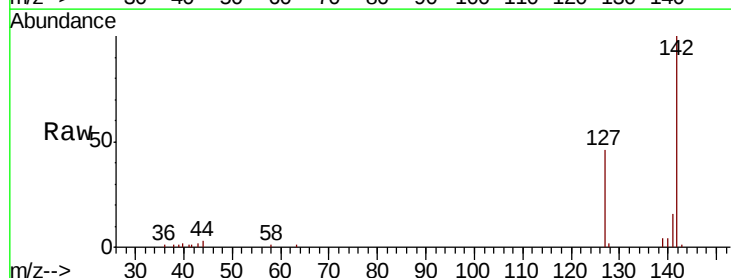
Tgt Ion:142 Resp: 84133

Ion Ratio Lower Upper

142 100

127 45.3 36.3 54.5

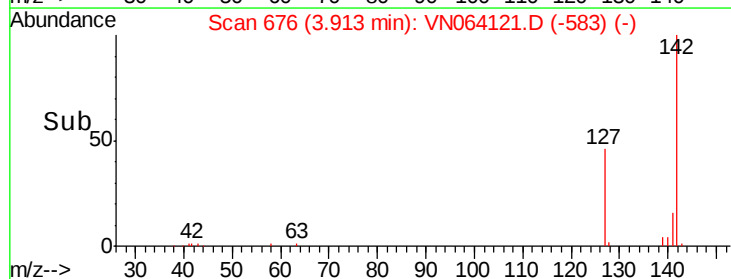
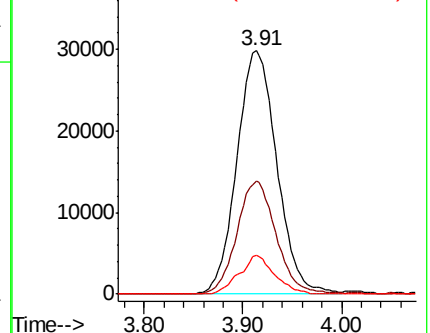
141 14.0 11.6 17.4

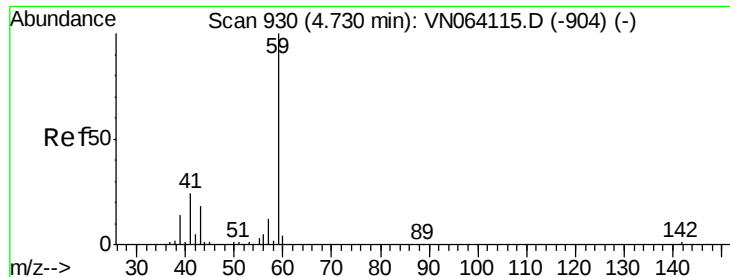


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

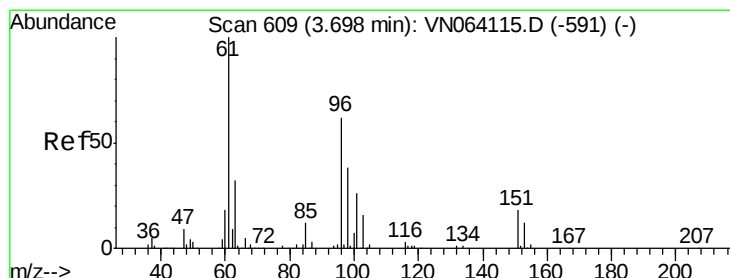
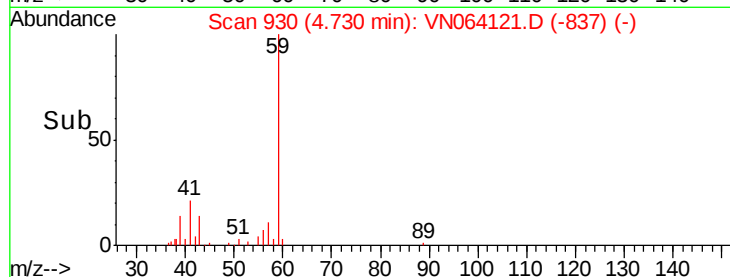
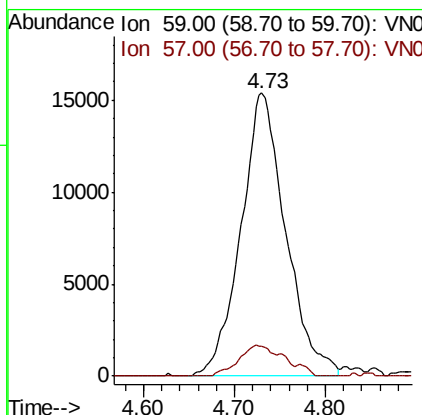
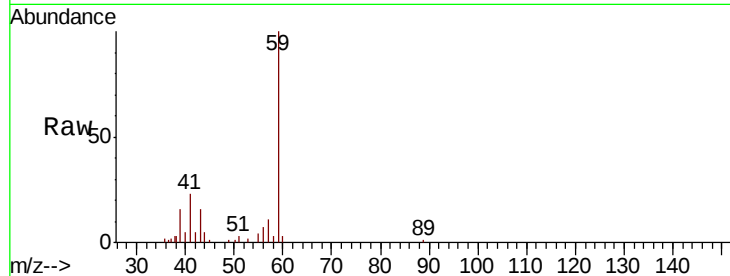




#11
Tert butyl alcohol
Concen: 93.710 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

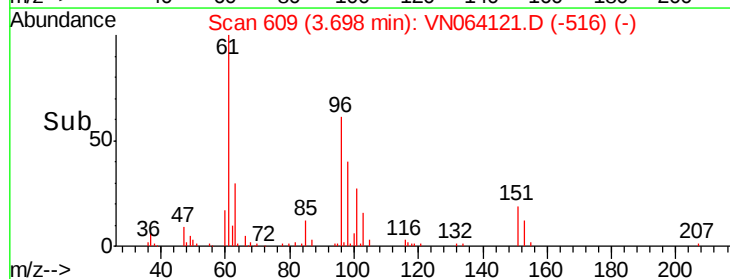
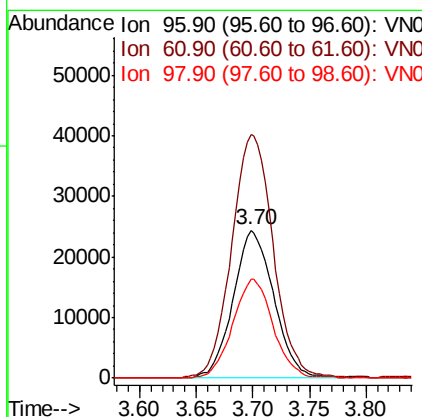
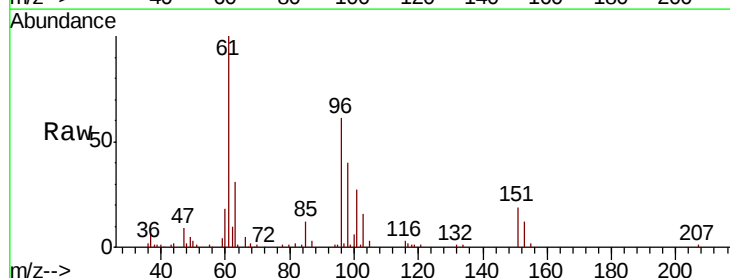
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

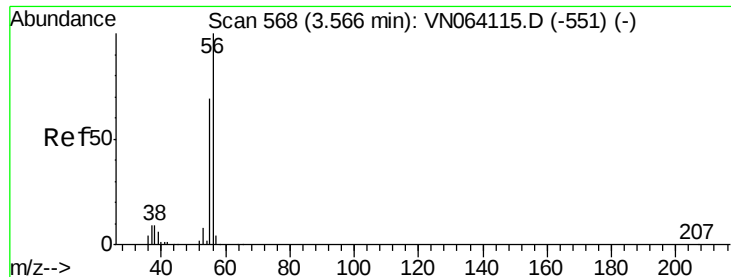
Tot Ion: 59 Resp: 52683
Ion Ratio Lower Upper
59 100
57 8.2 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 17.168 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 96 Resp: 60962
Ion Ratio Lower Upper
96 100
61 163.6 129.9 194.9
98 66.8 48.9 73.3





#13

Acrolein

Concen: 84.890 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

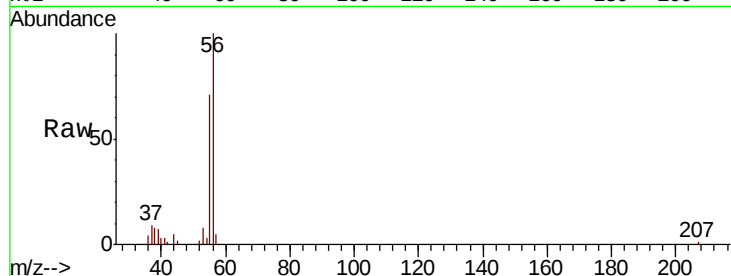
VN1014WBSD01

Tot Ion: 56 Resp: 39200

Ion Ratio Lower Upper

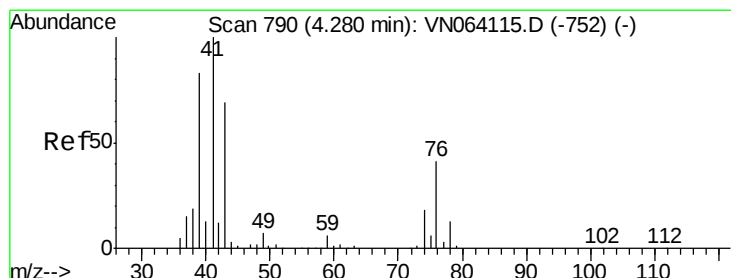
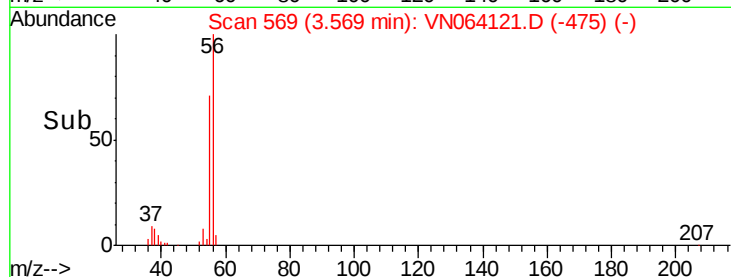
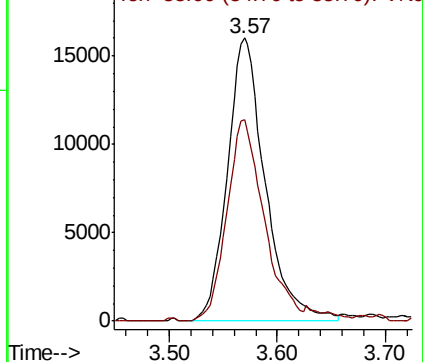
56 100

55 69.8 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: 17.987 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

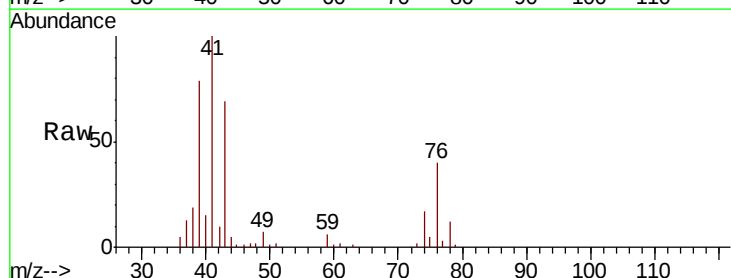
Tgt Ion: 41 Resp: 99654

Ion Ratio Lower Upper

41 100

39 73.3 60.5 90.7

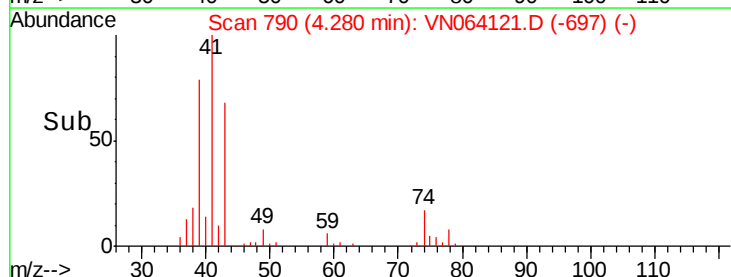
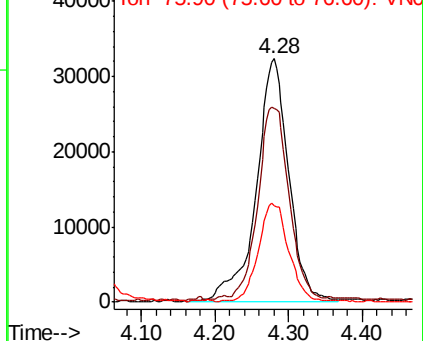
76 38.0 29.5 44.3

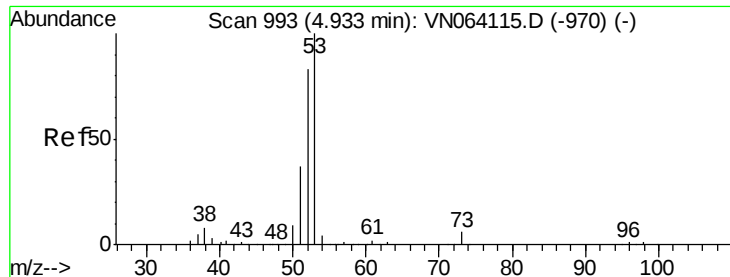


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 89.439 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

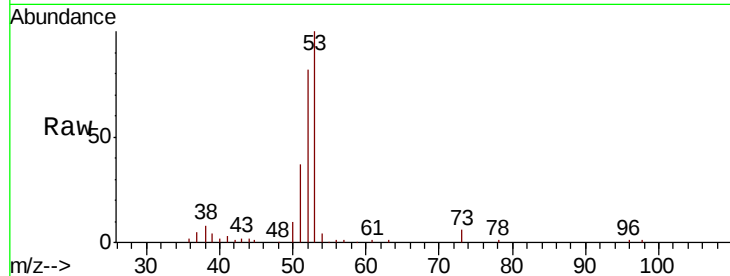
Tot Ion: 53 Resp: 144372

Ion Ratio Lower Upper

53 100

52 81.6 65.8 98.6

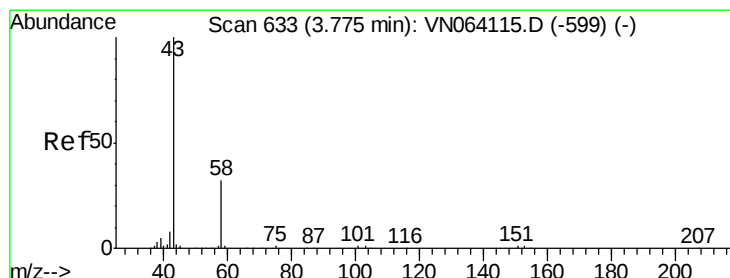
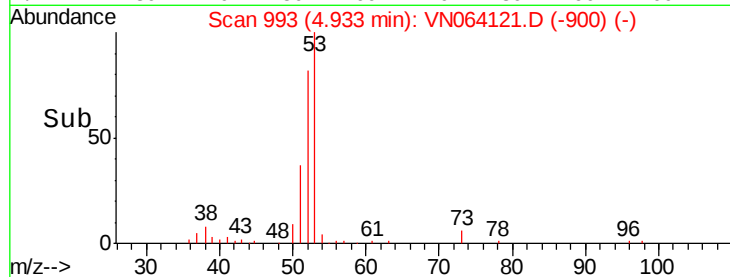
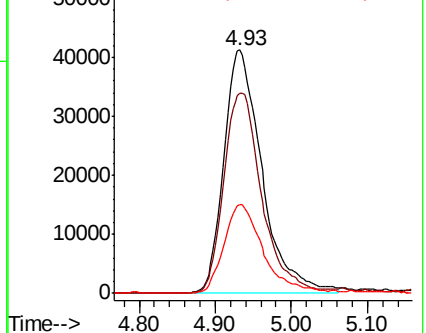
51 37.4 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN064121.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064121.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064121.D (-970) (-)



#16

Acetone

Concen: 91.134 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064121.D

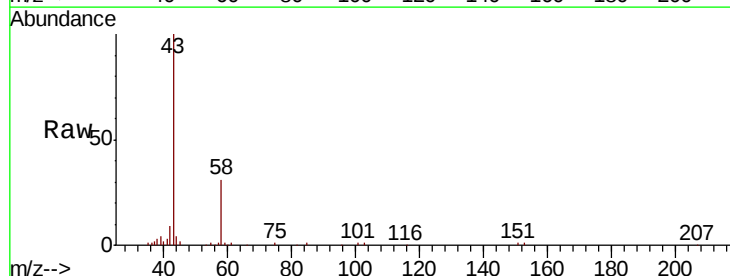
Acq: 14 Oct 2020 18:56

Tgt Ion: 43 Resp: 137254

Ion Ratio Lower Upper

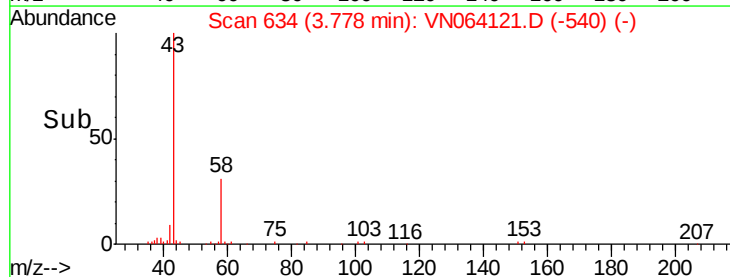
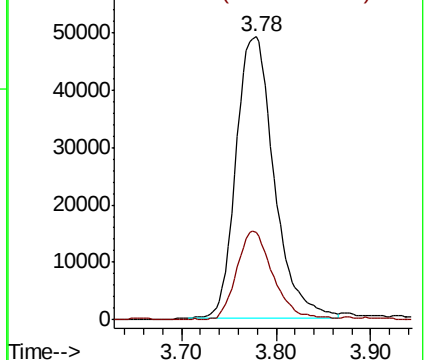
43 100

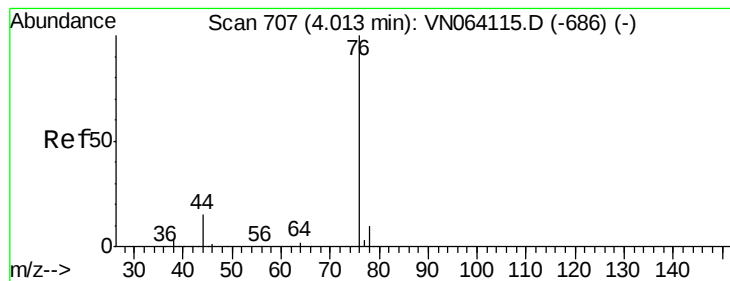
58 31.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN064121.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064121.D (-540) (-)





#17

Carbon Disulfide

Concen: 17.958 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

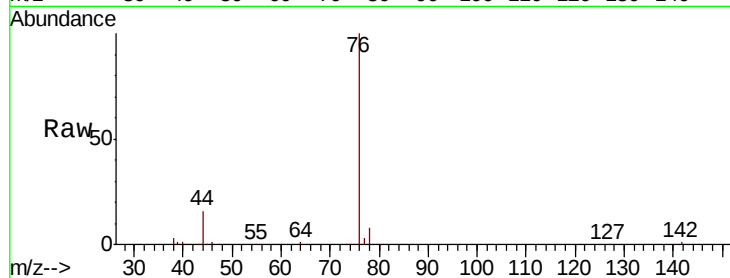
VN1014WBSD01

Tot Ion: 76 Resp: 182255

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN064121.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN064121.D (-614) (-)

4.01

60000

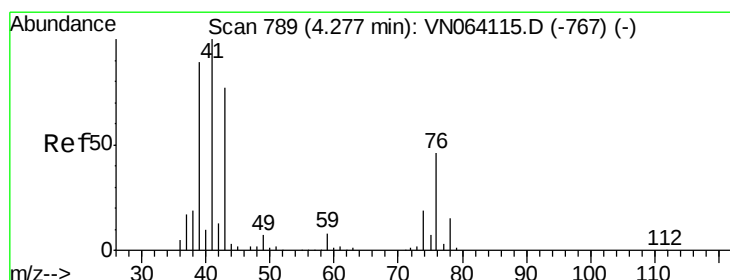
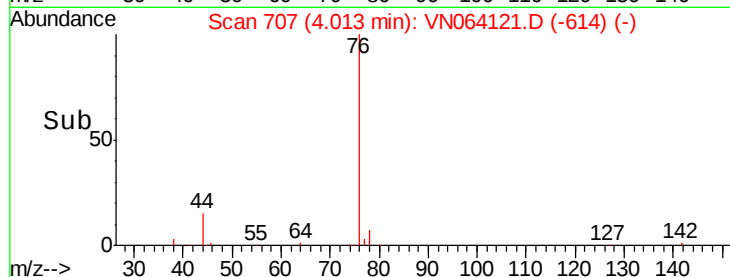
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 17.634 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064121.D

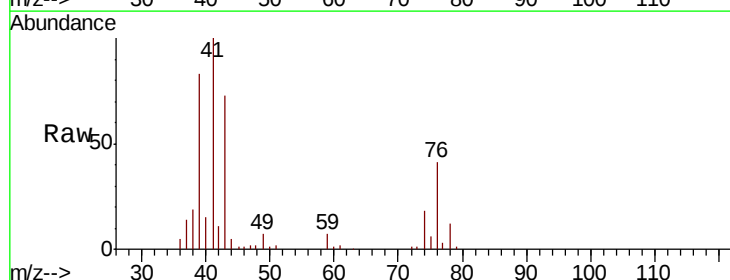
Acq: 14 Oct 2020 18:56

Tgt Ion: 43 Resp: 66620

Ion Ratio Lower Upper

43 100

74 26.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN064121.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN064121.D (-696) (-)

4.28

25000

20000

15000

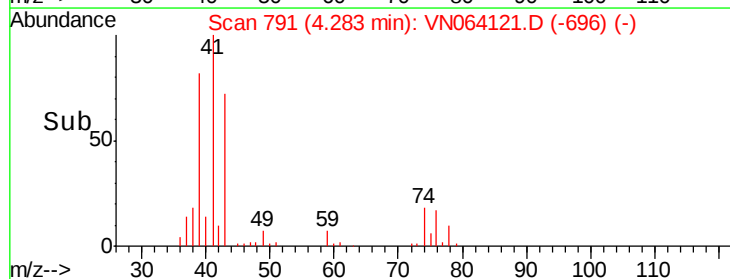
10000

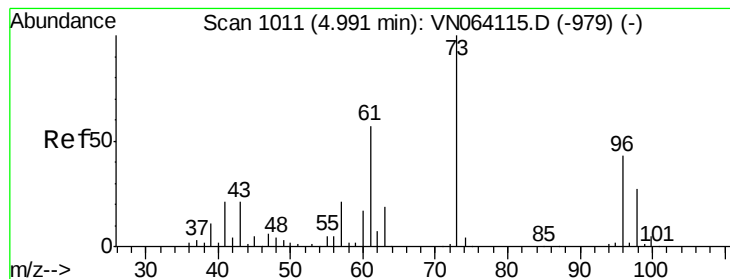
5000

0

Time-->

4.20 4.30 4.40



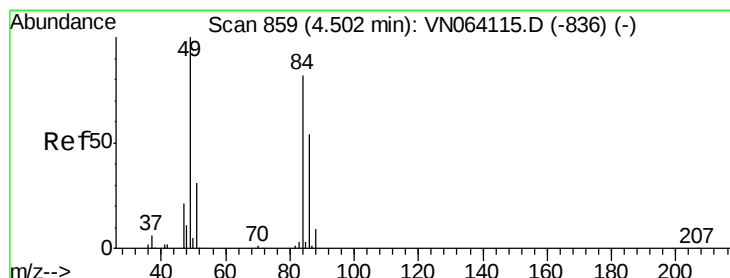
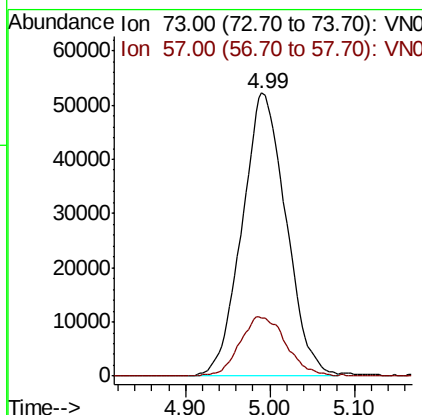
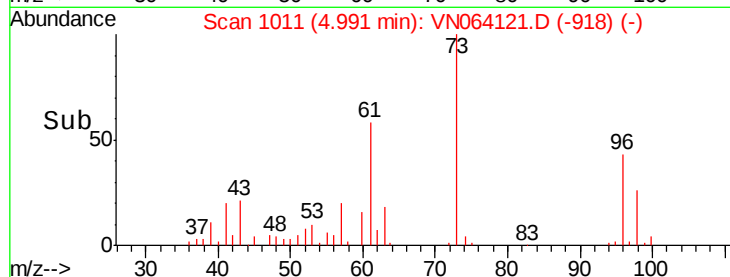
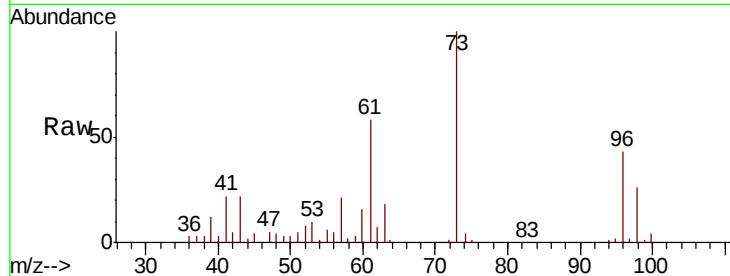


#19

Methyl tert-butyl Ether
 Concen: 18.075 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

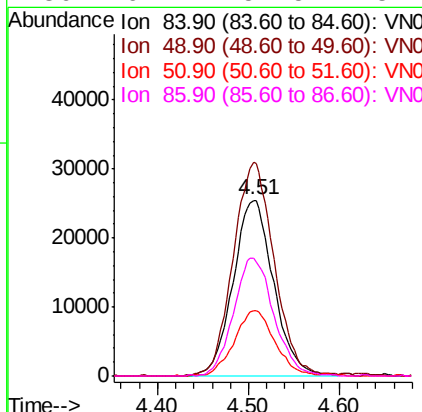
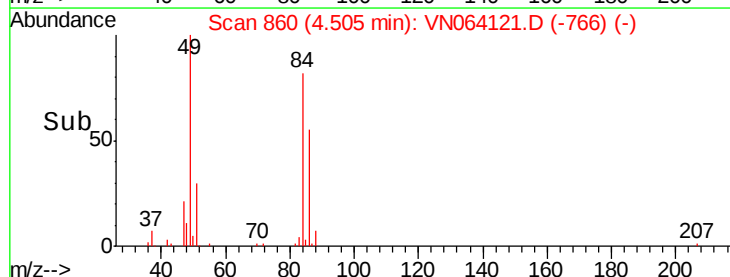
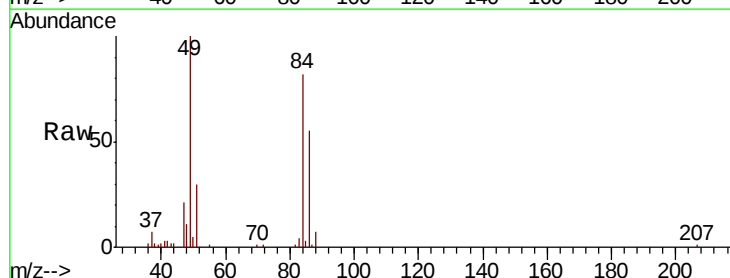
Tot Ion: 73 Resp: 189310
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.0 25.4

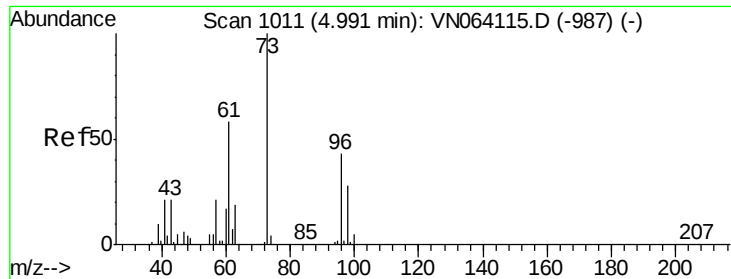


#20

Methylene Chloride
 Concen: 16.886 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 84 Resp: 78693
 Ion Ratio Lower Upper
 84 100
 49 120.7 97.4 146.0
 51 36.8 29.7 44.5
 86 67.2 52.5 78.7

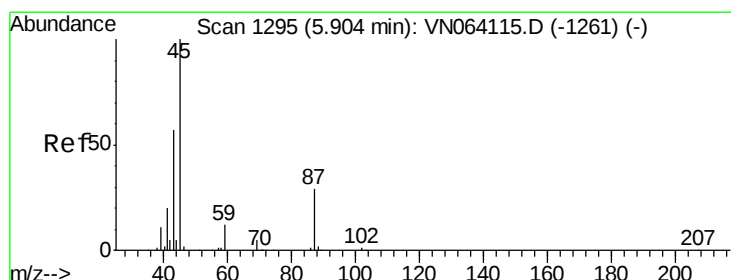
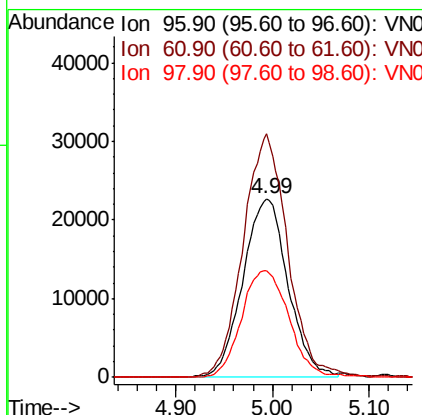
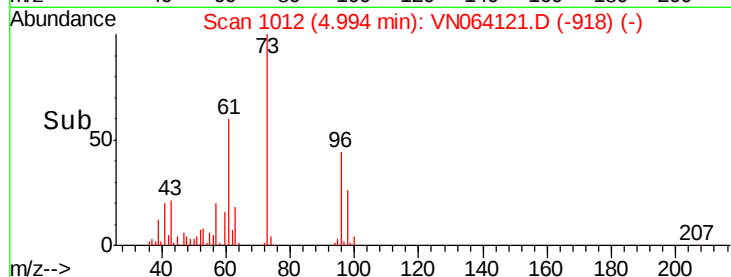
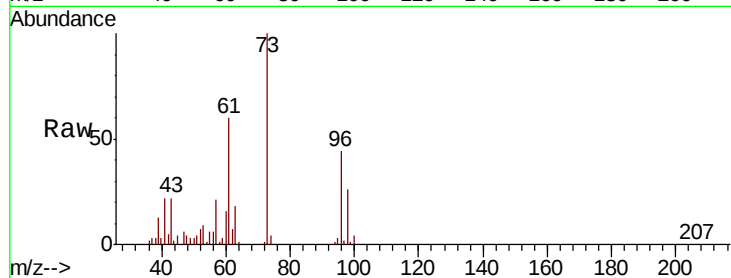




#21
trans-1,2-Dichloroethene
Concen: 18.296 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

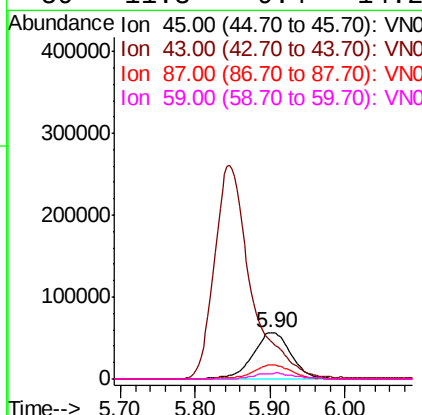
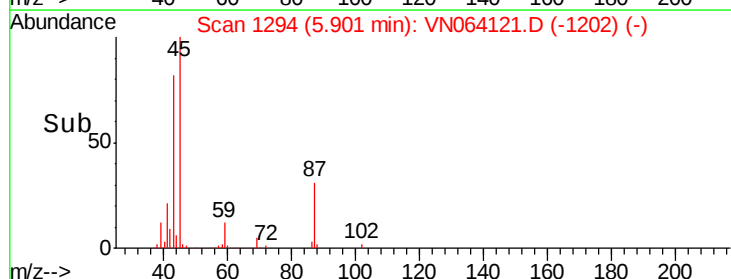
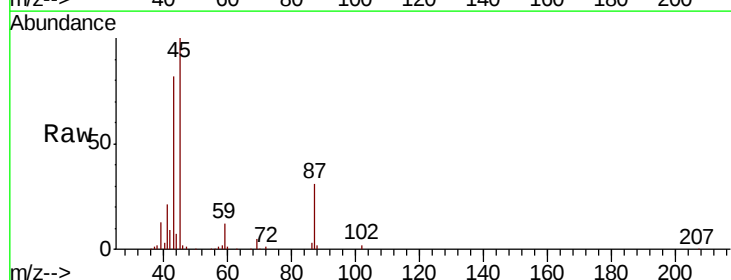
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

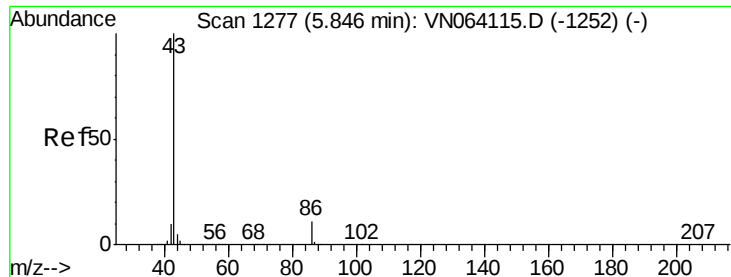
Tot Ion: 96 Resp: 73656
Ion Ratio Lower Upper
96 100
61 136.3 107.0 160.4
98 59.8 51.0 76.6



#22
Diisopropyl ether
Concen: 18.664 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 45 Resp: 200878
Ion Ratio Lower Upper
45 100
43 78.5 50.9 76.3#
87 30.7 23.5 35.3
59 11.3 9.4 14.2





#23

Vinyl Acetate

Concen: 92.487 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

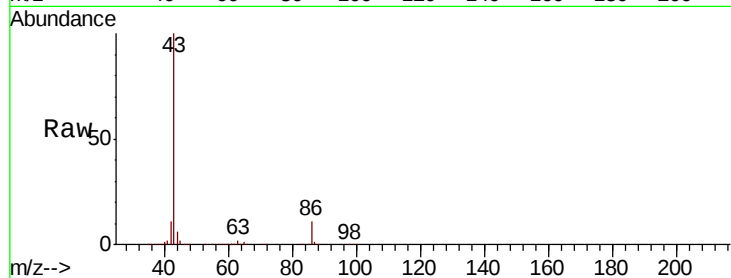
VN1014WBSD01

Tot Ion: 43 Resp: 889162

Ion Ratio Lower Upper

43 100

86 10.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VN064121.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064121.D (-1184) (-)

5.85

250000

200000

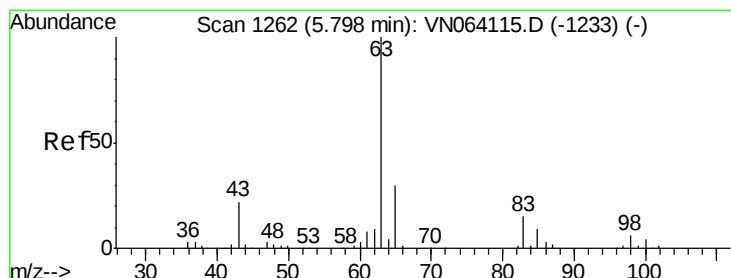
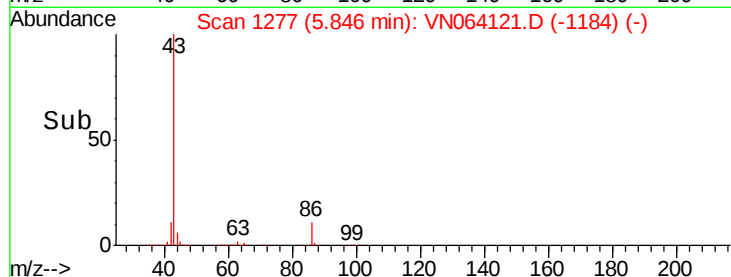
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.749 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

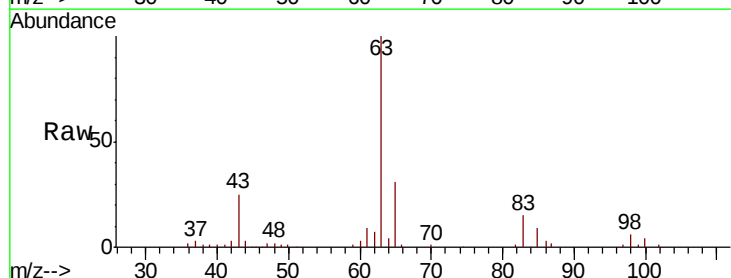
Tgt Ion: 63 Resp: 133405

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 3.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN064121.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064121.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064121.D (-1169) (-)

5.80

60000

50000

40000

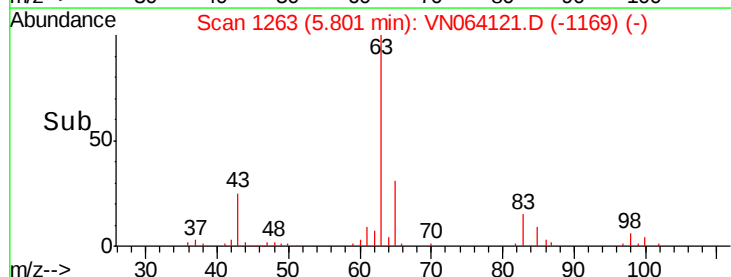
30000

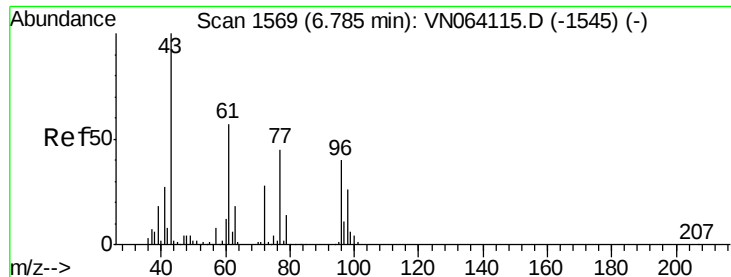
20000

10000

0

Time-->





#25

2-Butanone

Concen: 89.638 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

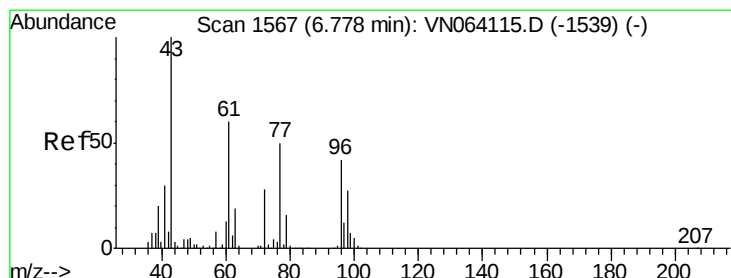
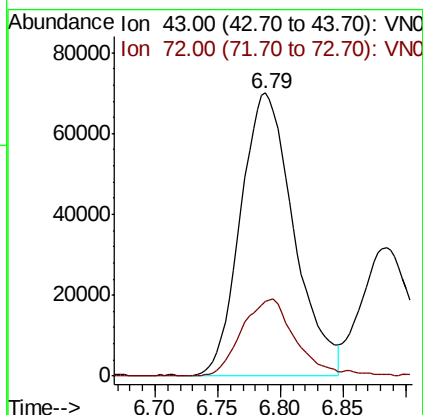
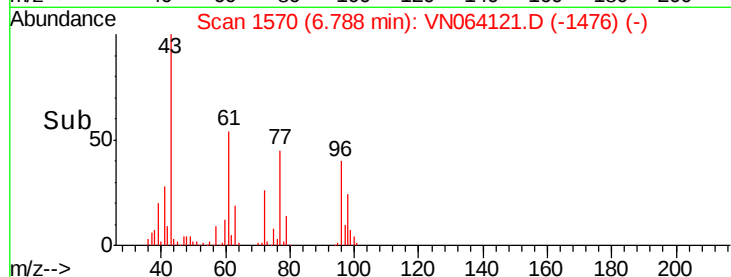
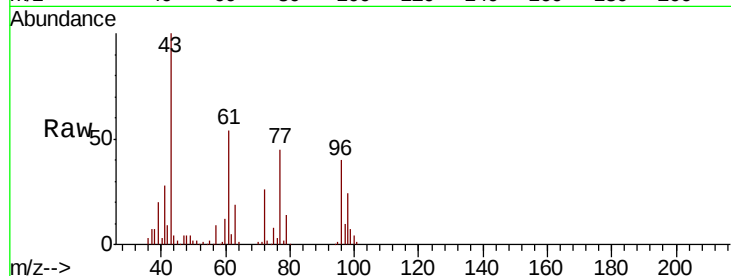
VN1014WBSD01

Tot Ion: 43 Resp: 207646

Ion Ratio Lower Upper

43 100

72 26.2 22.2 33.2



#26

2,2-Dichloropropane

Concen: 18.277 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064121.D

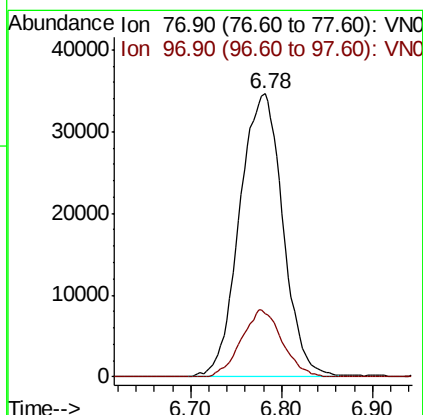
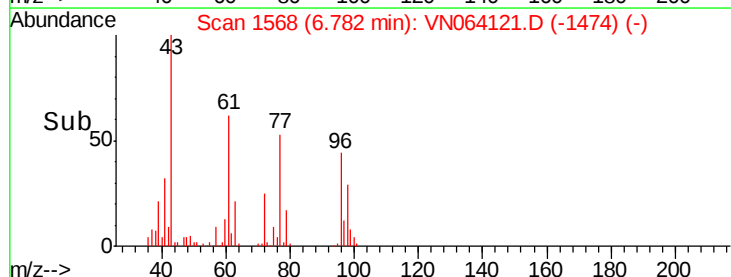
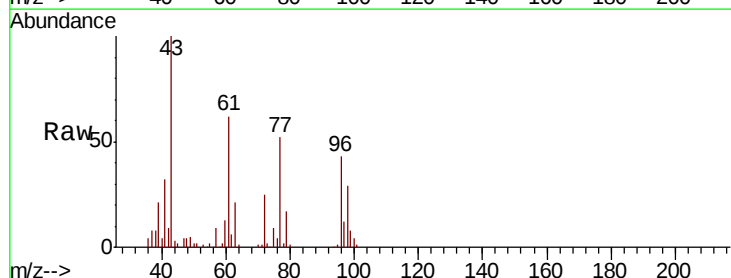
Acq: 14 Oct 2020 18:56

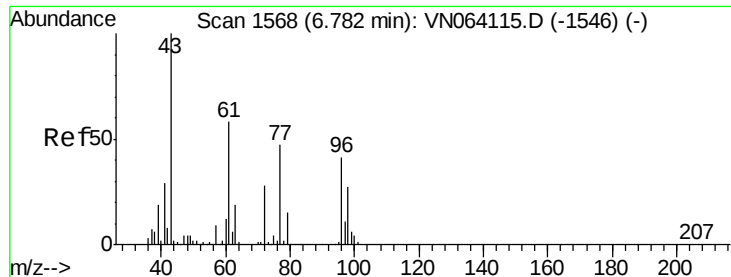
Tgt Ion: 77 Resp: 114286

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.940 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

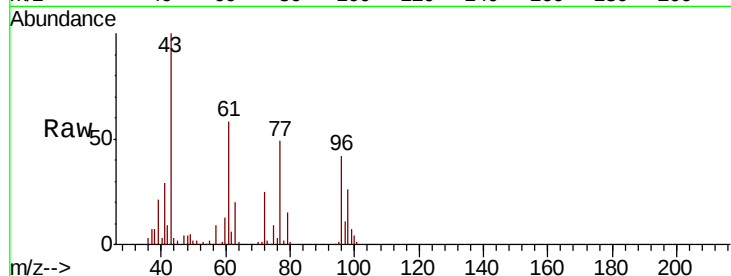
Tot Ion: 96 Resp: 84963

Ion Ratio Lower Upper

96 100

61 140.1 0.0 285.6

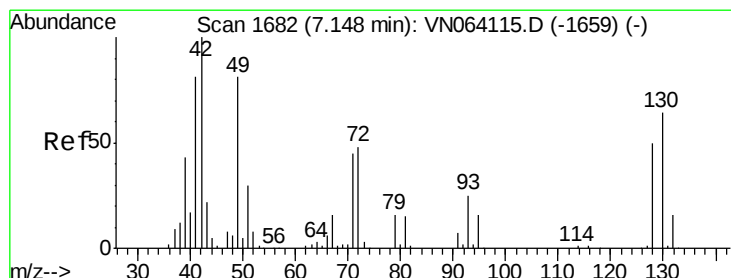
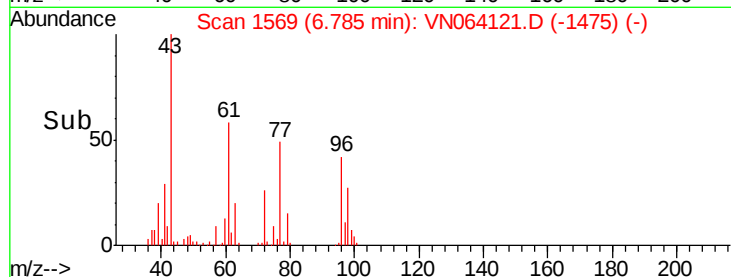
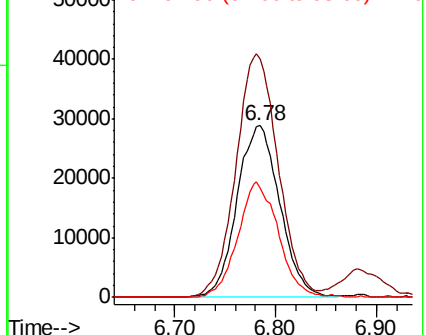
98 63.5 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VN064121.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064121.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064121.D (-1546) (-)



#28

Bromochloromethane

Concen: 17.841 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

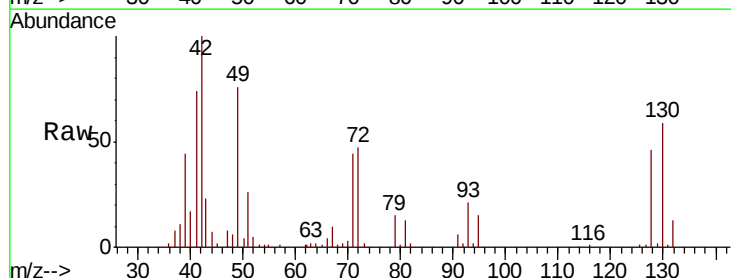
Tgt Ion: 49 Resp: 63870

Ion Ratio Lower Upper

49 100

129 0.8 0.0 2.0

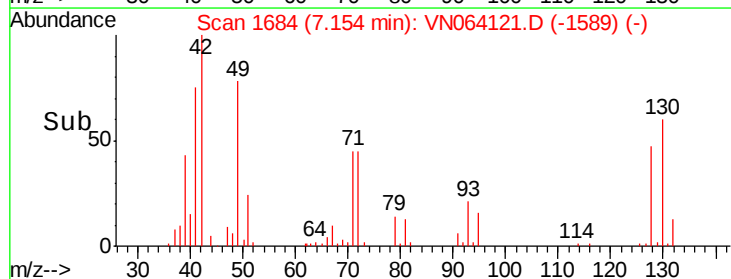
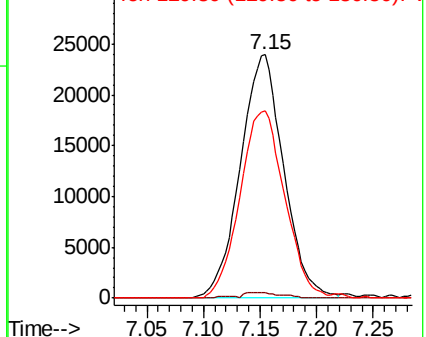
130 79.2 0.0 0.0#

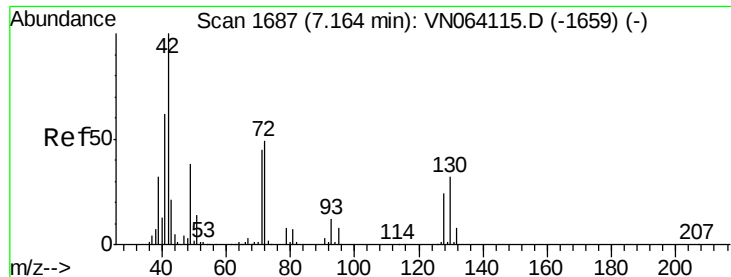


Abundance Ion 48.90 (48.60 to 49.60): VN064121.D (-1659) (-)

Ion 128.80 (128.50 to 129.50): VN064121.D (-1659) (-)

Ion 129.80 (129.50 to 130.50): VN064121.D (-1659) (-)

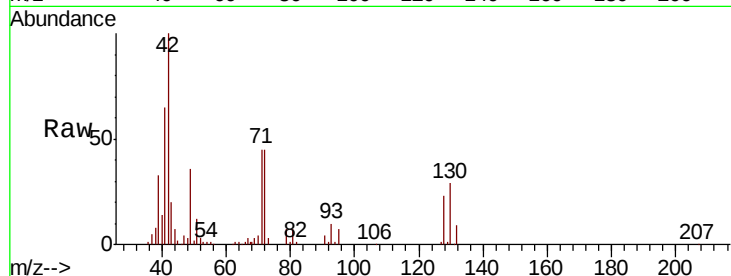




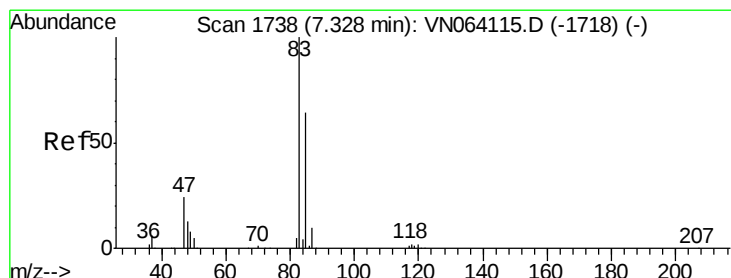
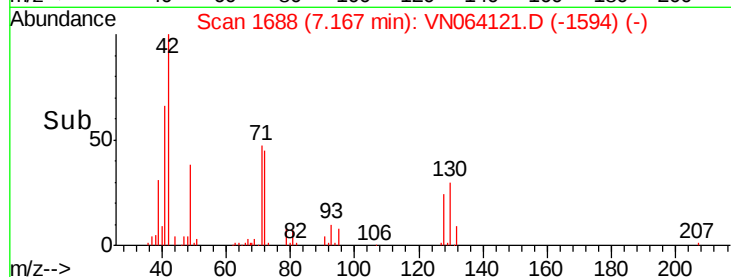
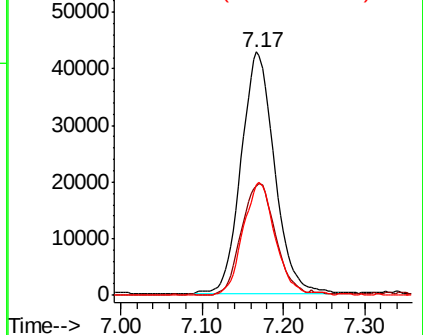
#29
Tetrahydrofuran
Concen: 90.020 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 42 Resp: 121873
Ion Ratio Lower Upper
42 100
72 46.8 37.8 56.6
71 44.4 35.3 52.9

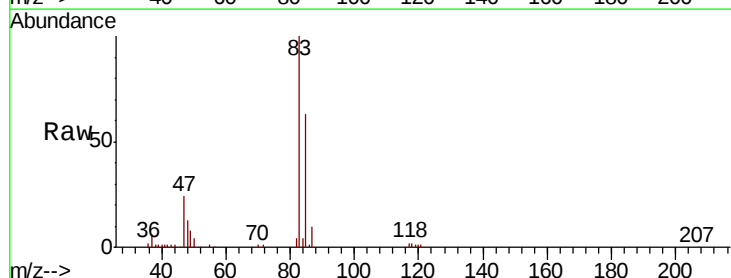


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

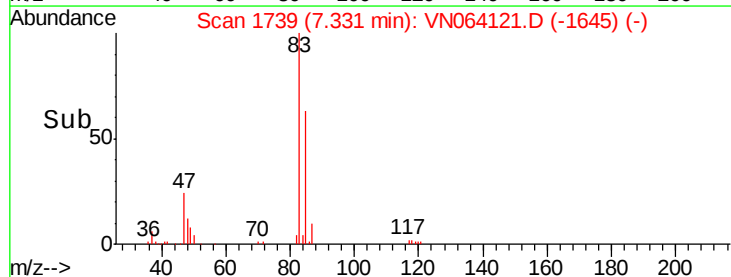
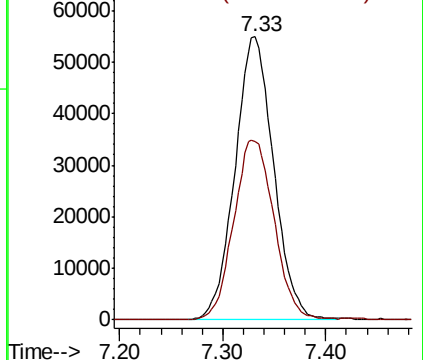


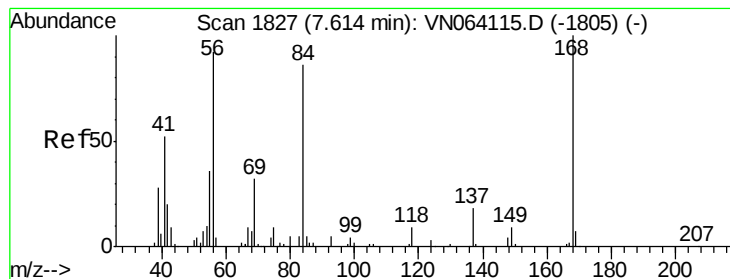
#30
Chloroform
Concen: 17.915 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 83 Resp: 143442
Ion Ratio Lower Upper
83 100
85 63.0 51.5 77.3



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





#31

Cyclohexane

Concen: 18.124 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

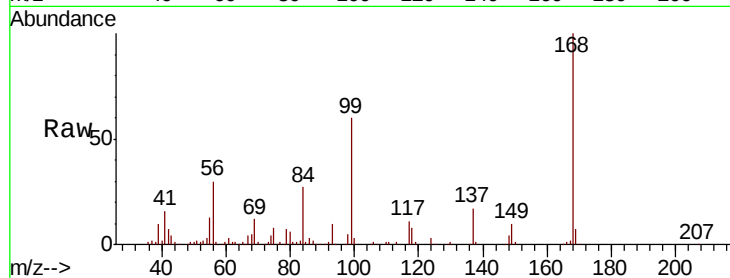
Tot Ion: 56 Resp: 101730

Ion Ratio Lower Upper

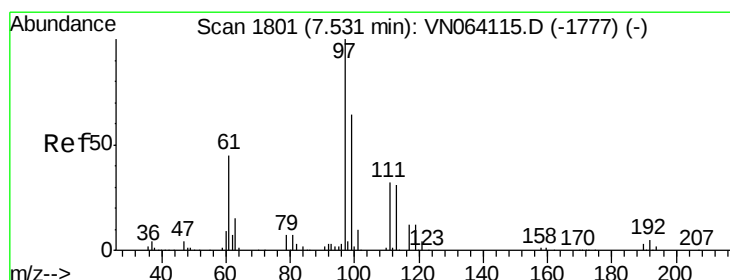
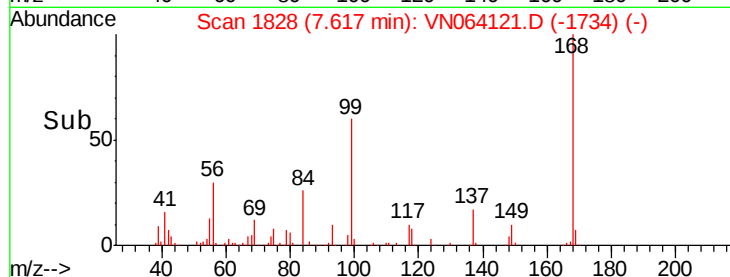
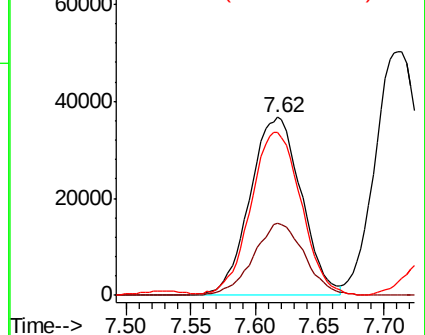
56 100

69 40.0 27.8 41.6

84 90.4 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.516 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

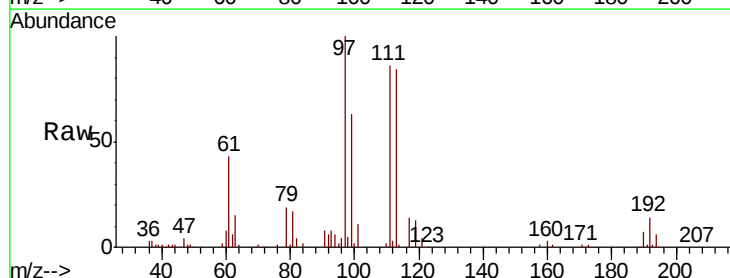
Tgt Ion: 97 Resp: 128113

Ion Ratio Lower Upper

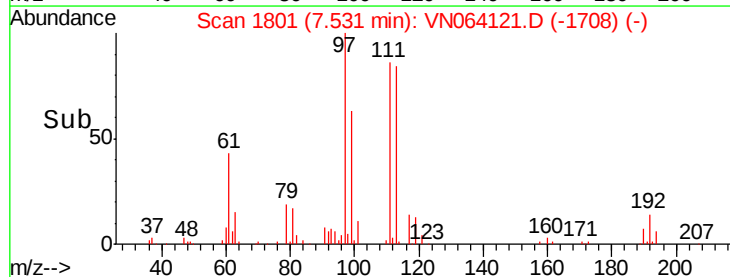
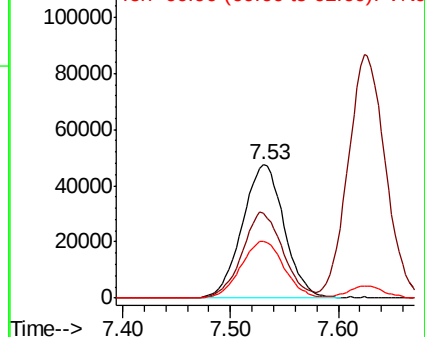
97 100

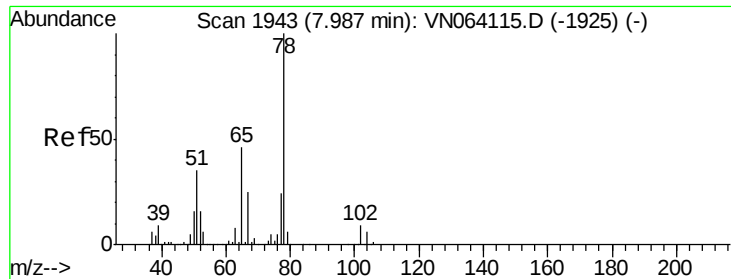
99 62.7 50.2 75.2

61 44.0 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.624 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

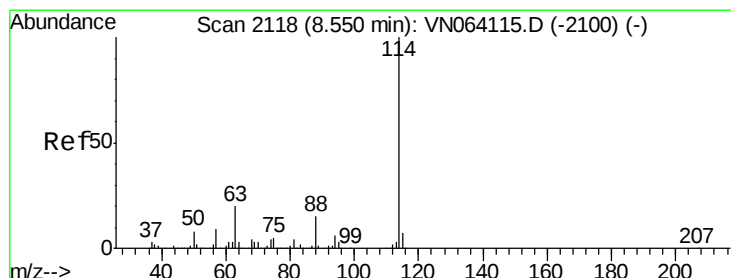
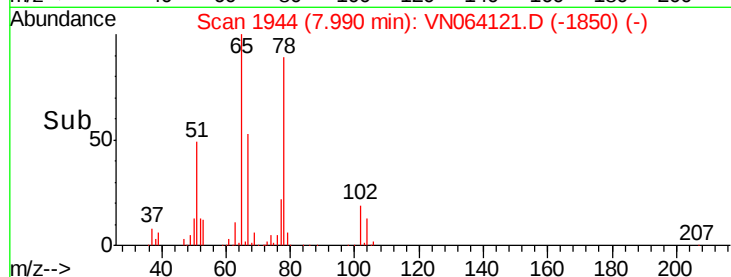
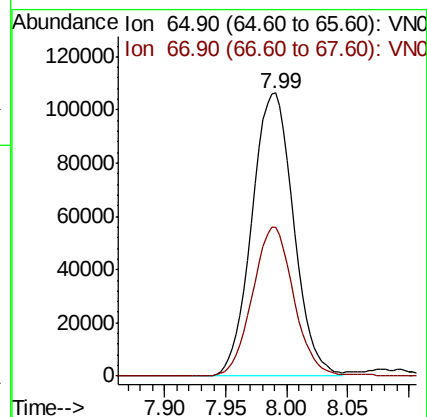
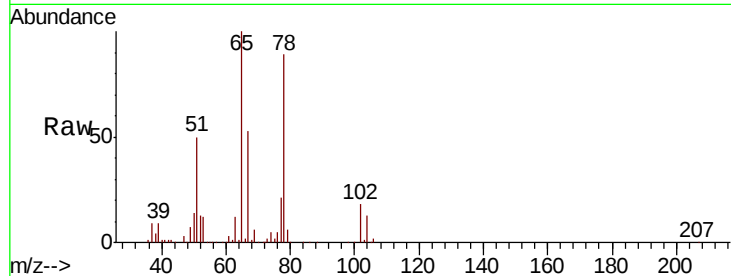
VN1014WBSD01

Tot Ion: 65 Resp: 251963

Ion Ratio Lower Upper

65 100

67 52.3 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: VN064121.D

Acq: 14 Oct 2020 18:56

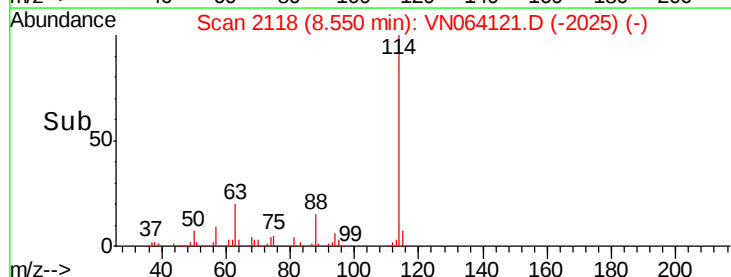
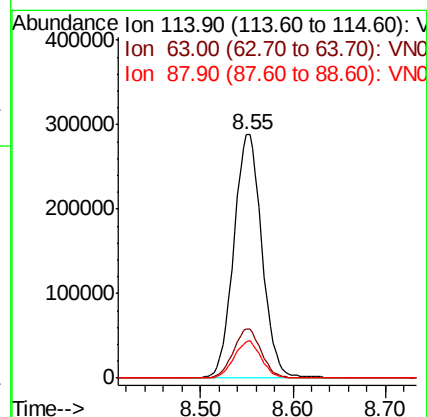
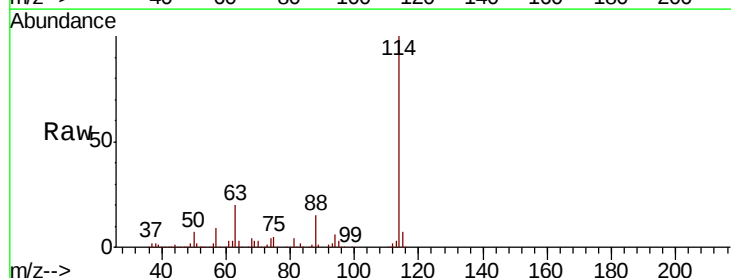
Tgt Ion: 114 Resp: 605799

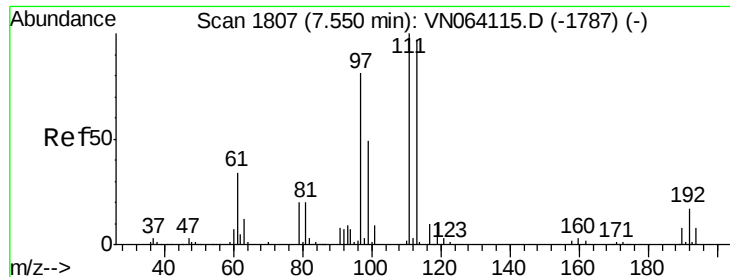
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 15.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.139 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

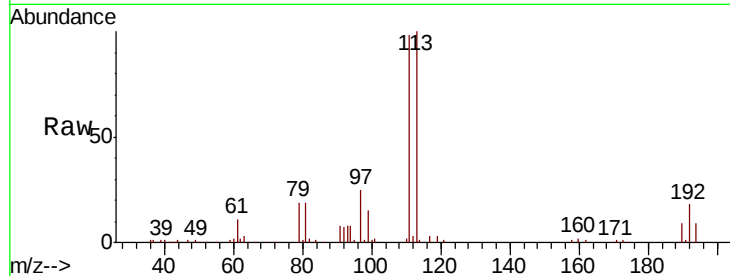
Tot Ion:113 Resp: 201847

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

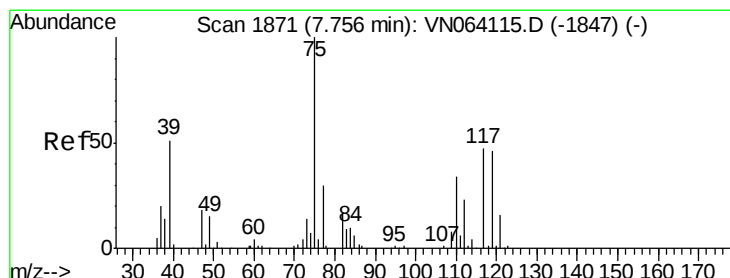
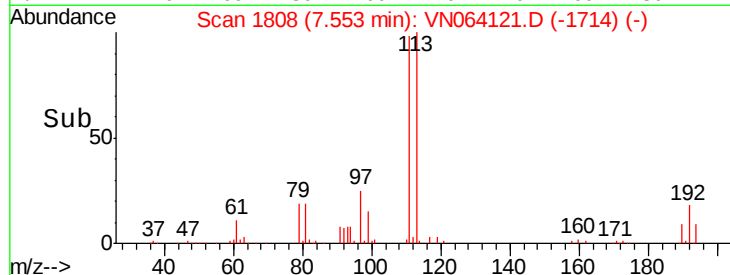
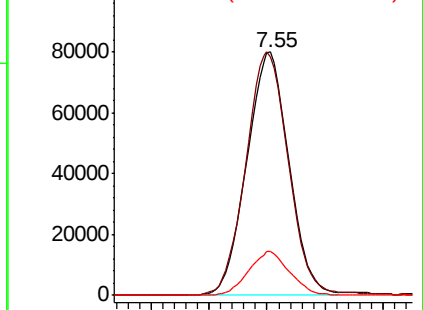
192 17.5 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.054 ug/l

RT: 7.76 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

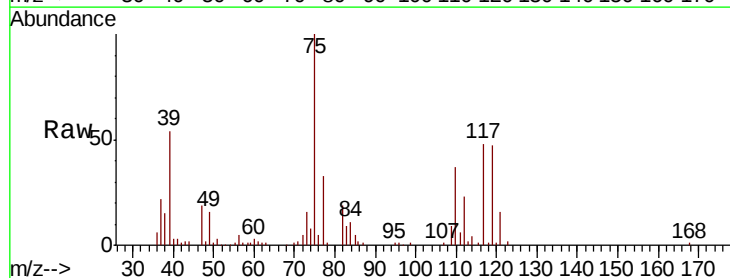
Tgt Ion: 75 Resp: 99583

Ion Ratio Lower Upper

75 100

110 37.6 17.8 53.3

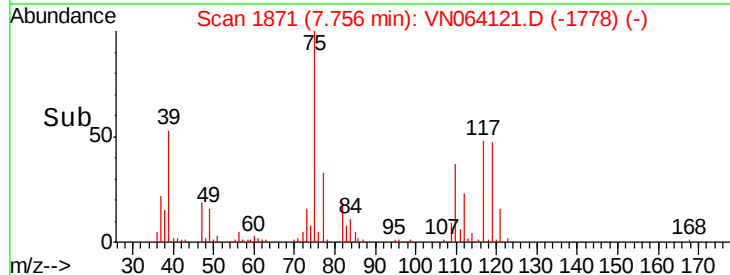
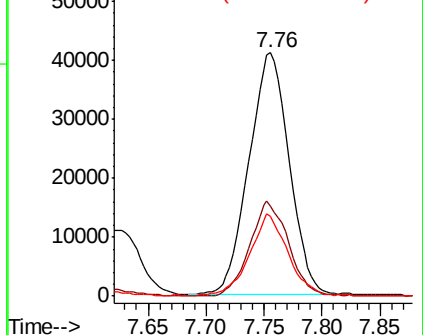
77 32.2 24.9 37.3

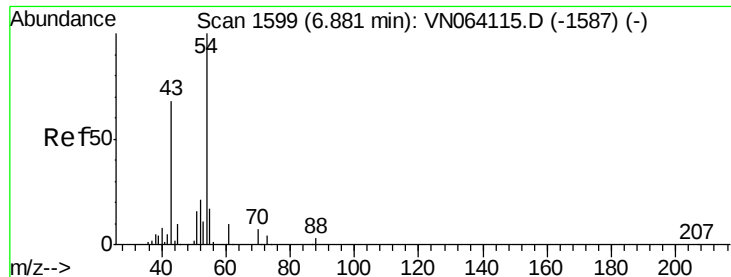


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

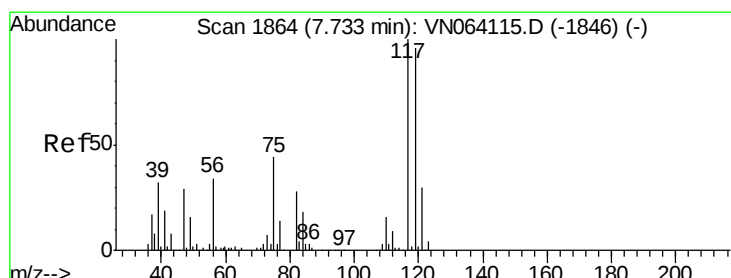
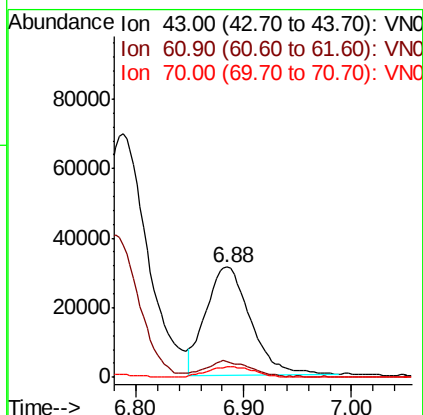
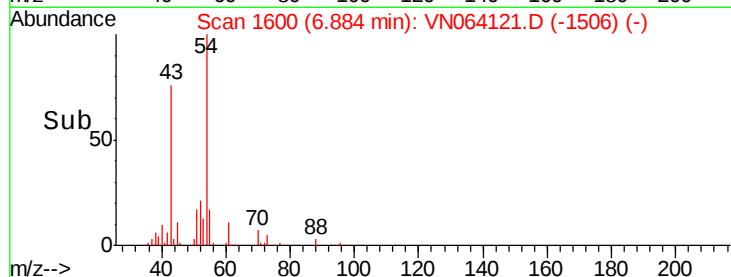
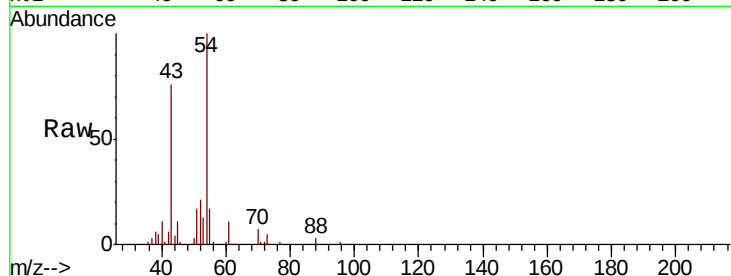




#37
Ethyl Acetate
Concen: 17.363 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

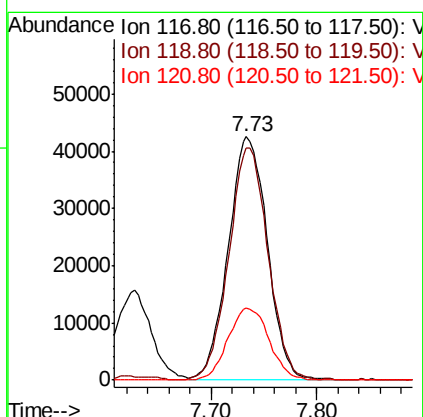
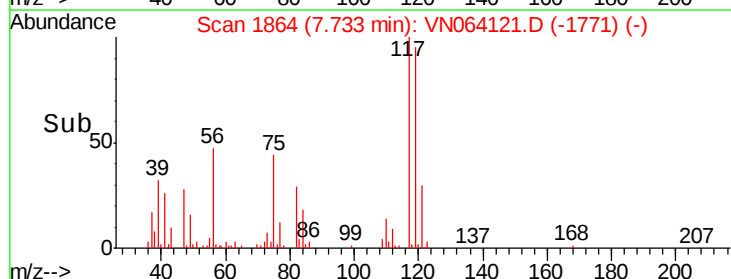
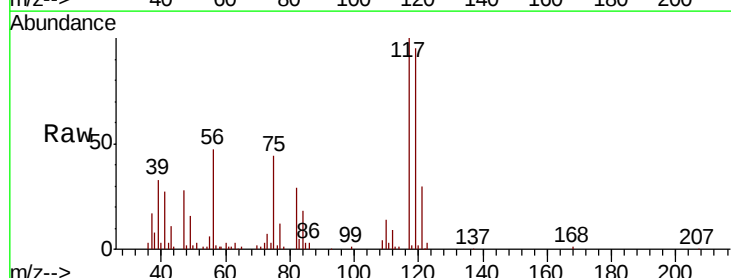
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

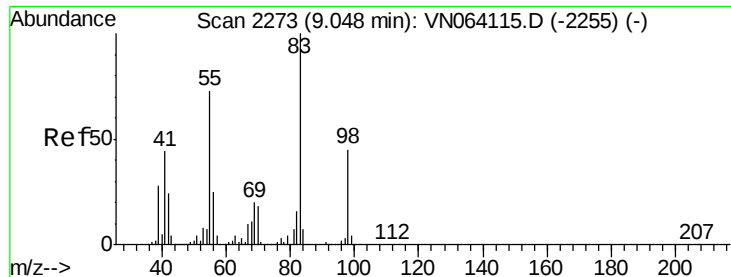
Tot Ion: 43 Resp: 89973
Ion Ratio Lower Upper
43 100
61 14.7 11.3 16.9
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 17.450 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 117 Resp: 109565
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.4
121 29.7 24.2 36.4

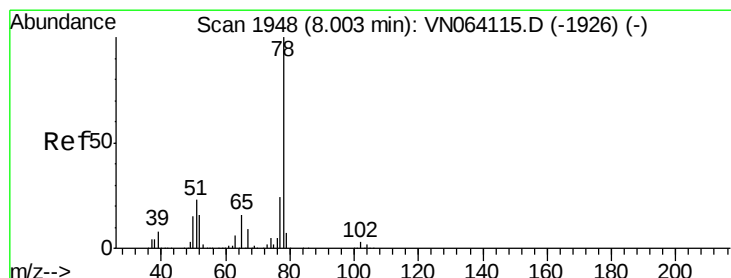
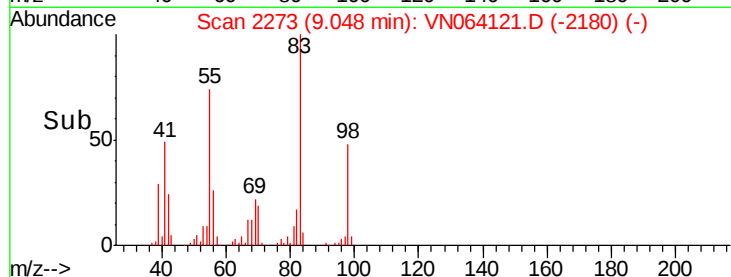
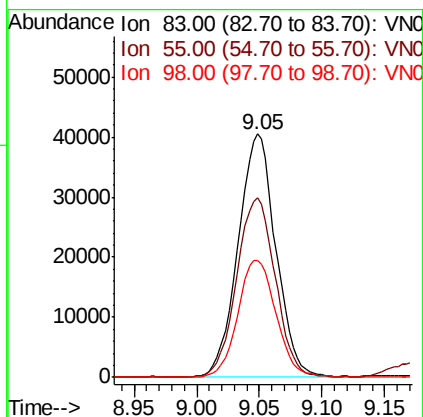
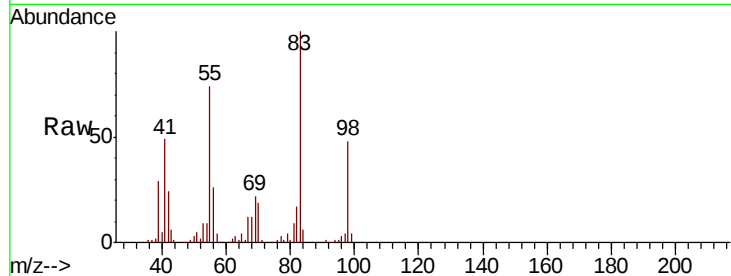




#39
Methvlcvclohexane
Concen: 17.320 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

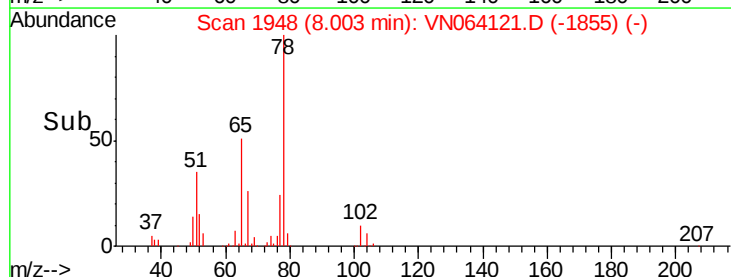
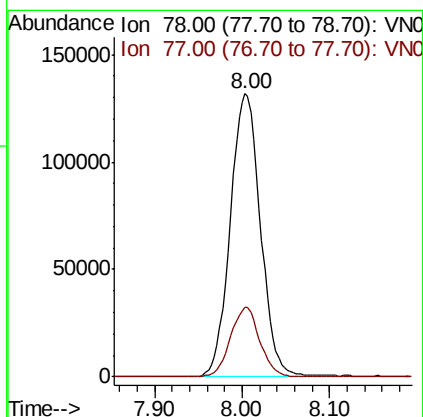
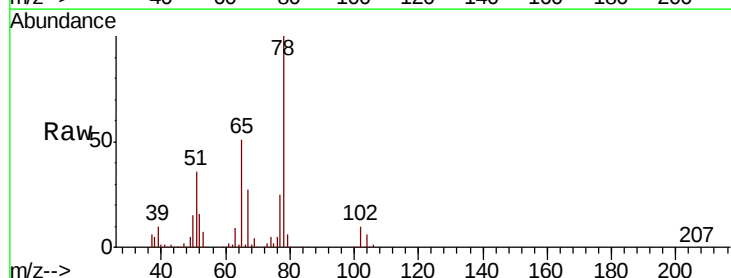
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

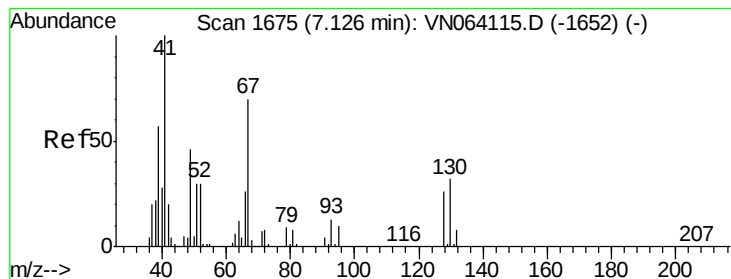
Tot Ion: 83 Resp: 85021
Ion Ratio Lower Upper
83 100
55 73.8 58.5 87.7
98 47.8 36.2 54.2



#40
Benzene
Concen: 17.859 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 78 Resp: 315798
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9





#41

Methacrylonitrile

Concen: 54.755 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.04 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 41 Resp: 122844

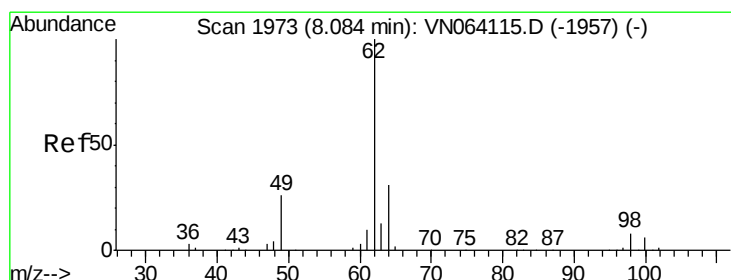
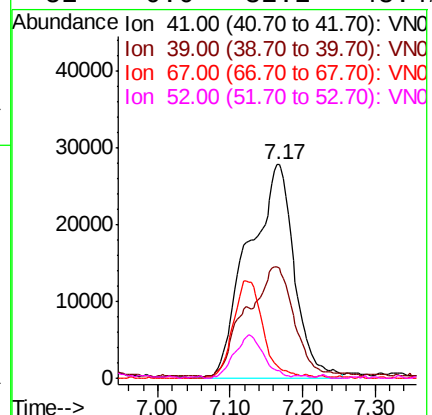
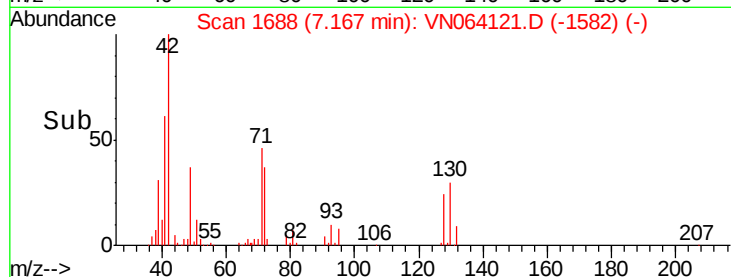
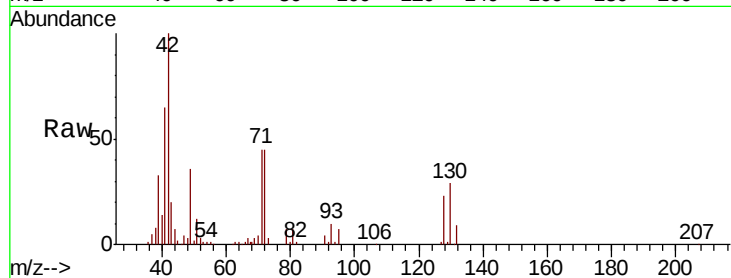
Ion Ratio Lower Upper

41 100

39 0.0 50.7 76.1#

67 0.0 73.8 110.6#

52 0.0 32.2 48.4#



#42

1,2-Dichloroethane

Concen: 17.882 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN064121.D

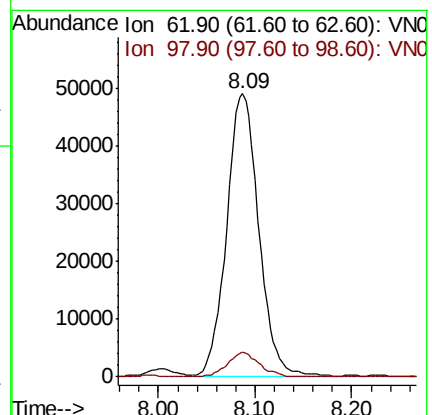
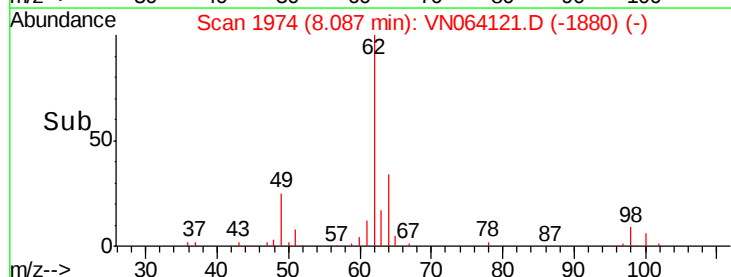
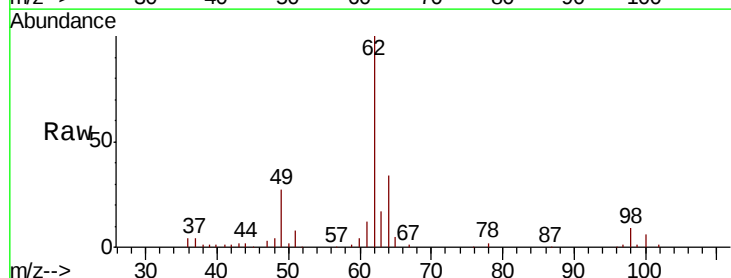
Acq: 14 Oct 2020 18:56

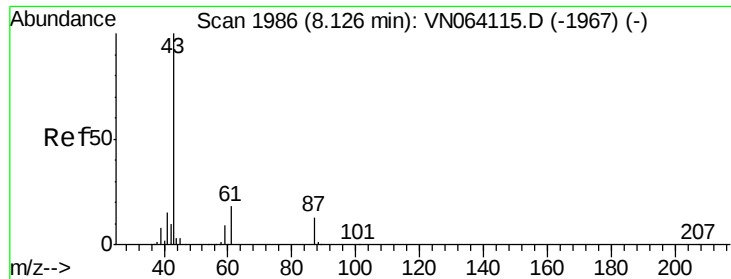
Tgt Ion: 62 Resp: 112510

Ion Ratio Lower Upper

62 100

98 8.7 0.0 17.6





#43

Isopropyl Acetate

Concen: 17.209 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

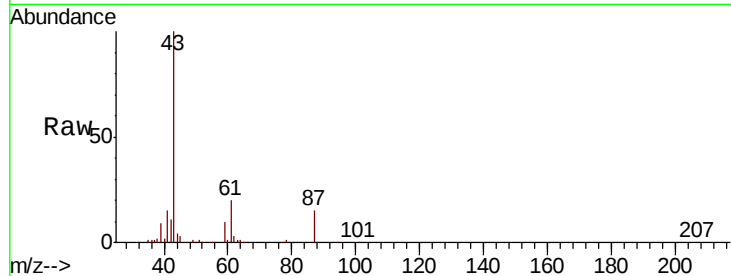
Tot Ion: 43 Resp: 147987

Ion Ratio Lower Upper

43 100

61 19.6 21.9 32.9#

87 14.2 11.0 16.4

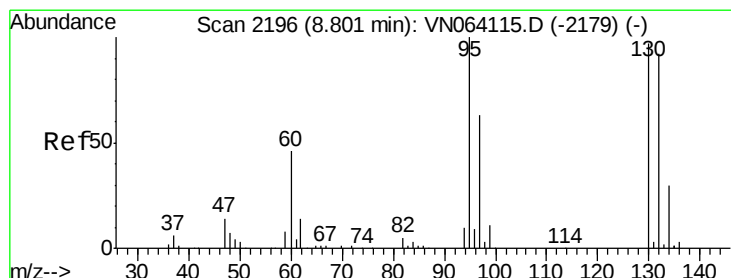
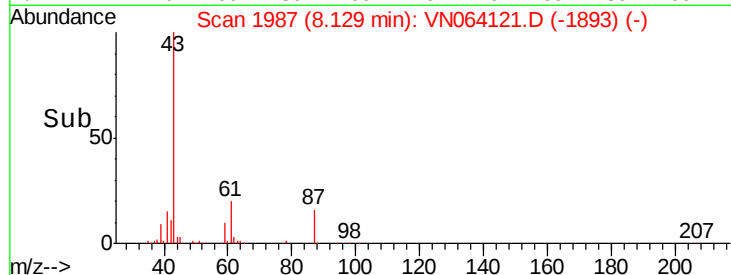


Abundance Ion 43.00 (42.70 to 43.70): VN064121.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN064121.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN064121.D (-1987) (-)

Time-->



#44

Trichloroethene

Concen: 17.732 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064121.D

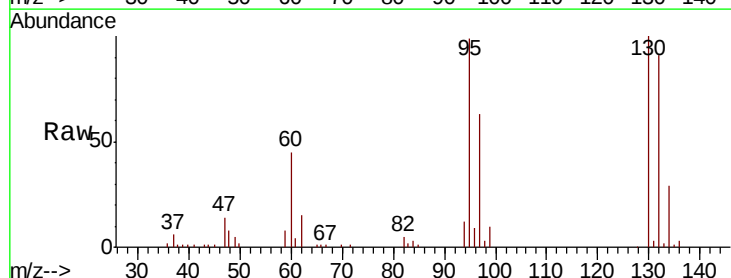
Acq: 14 Oct 2020 18:56

Tgt Ion:130 Resp: 82448

Ion Ratio Lower Upper

130 100

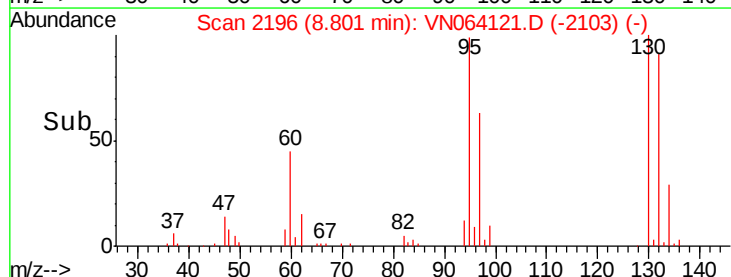
95 98.8 0.0 206.2

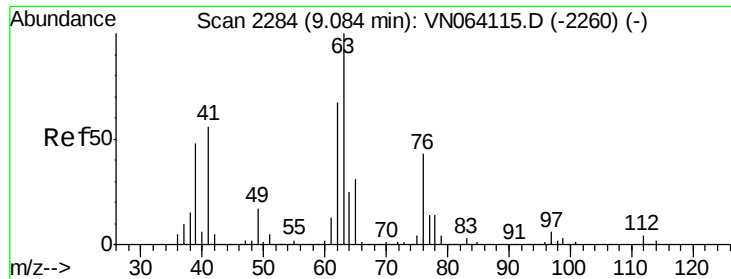


Abundance Ion 129.80 (129.50 to 130.50): VN064121.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN064121.D (-2196) (-)

Time-->

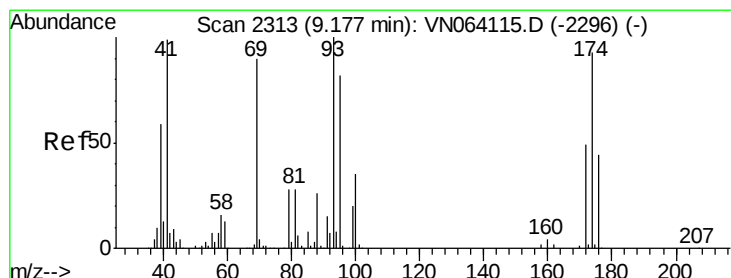
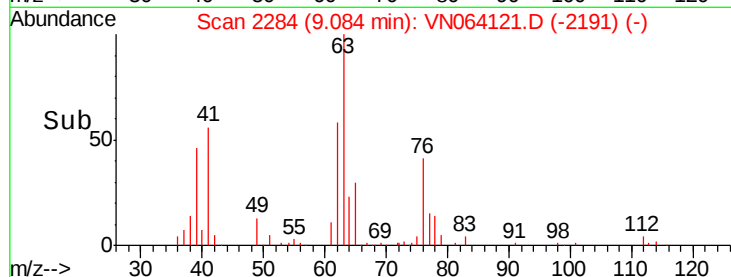
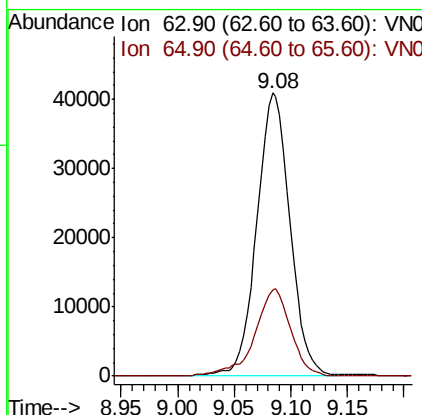
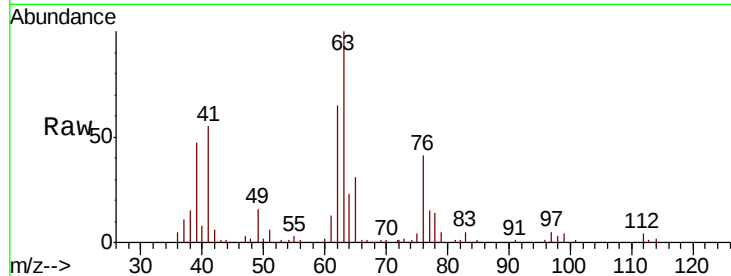




#45
 1,2-Dichloropropane
 Concen: 18.026 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

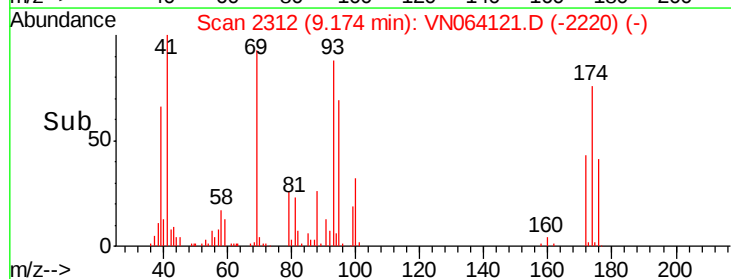
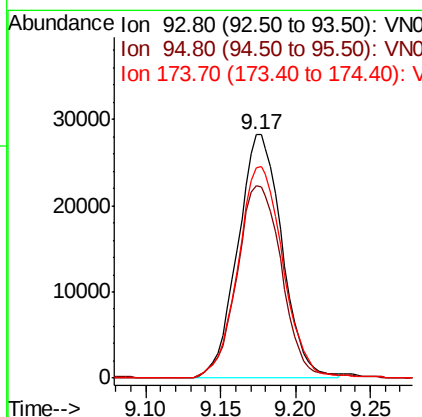
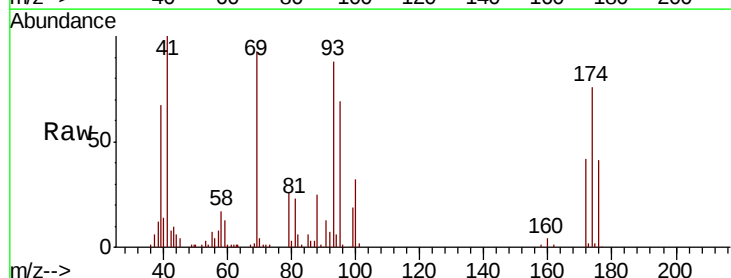
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

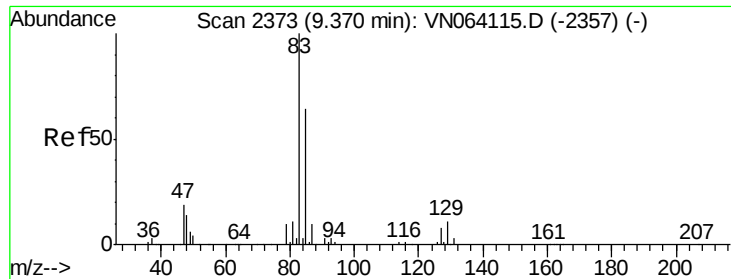
Tot Ion: 63 Resp: 83510
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6



#46
 Dibromomethane
 Concen: 17.675 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 93 Resp: 58095
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.8 100.2
 174 88.6 75.2 112.8

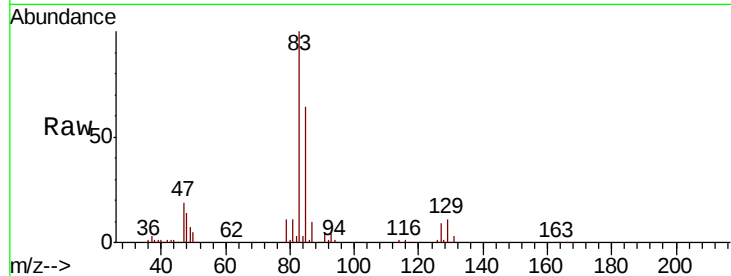




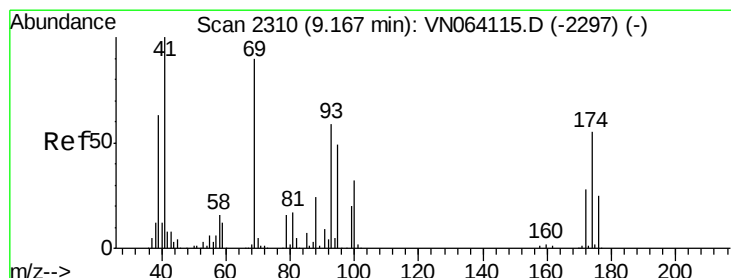
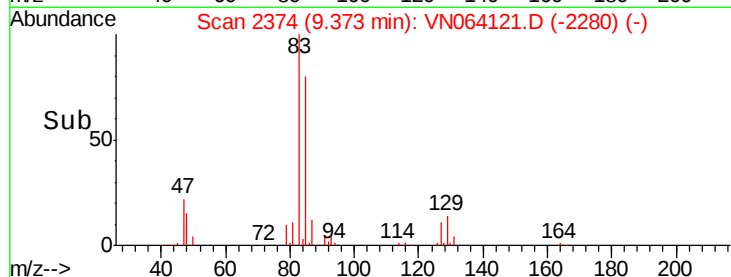
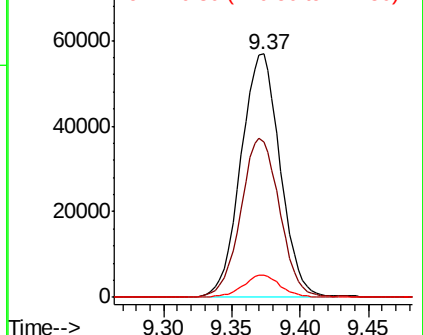
#47
Bromodichloromethane
Concen: 17.681 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 83 Resp: 113701
Ion Ratio Lower Upper
83 100
85 63.9 50.8 76.2
127 9.0 6.6 9.8

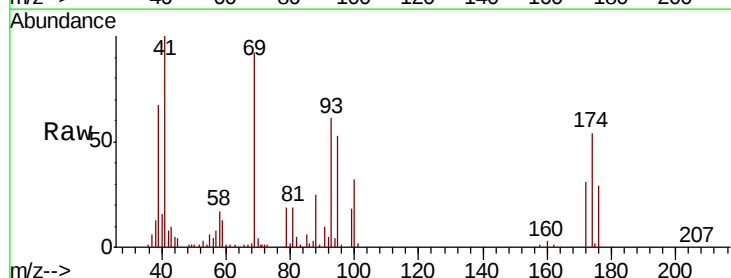


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

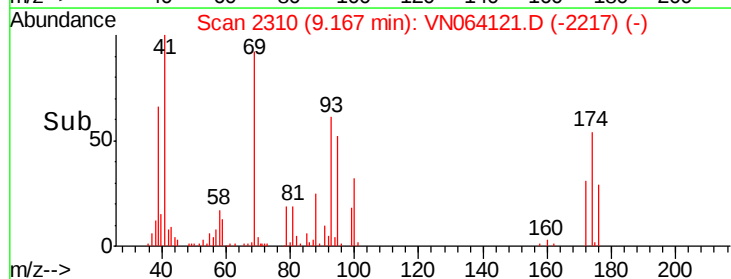
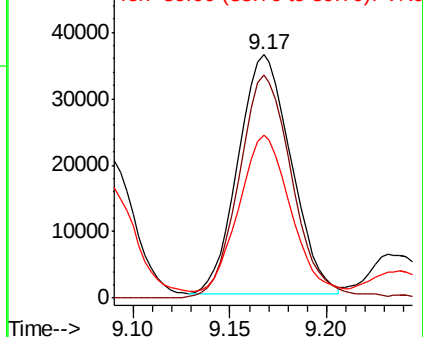


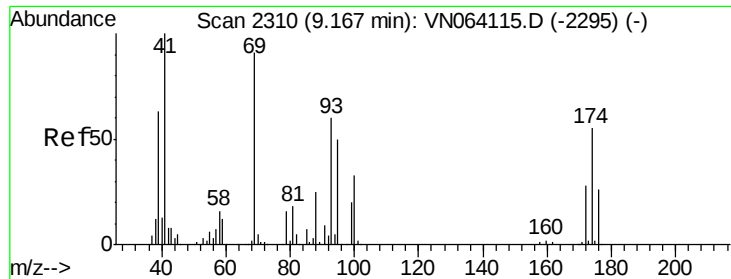
#48
Methyl methacrylate
Concen: 17.213 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 41 Resp: 68372
Ion Ratio Lower Upper
41 100
69 94.0 71.4 107.2
39 65.9 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

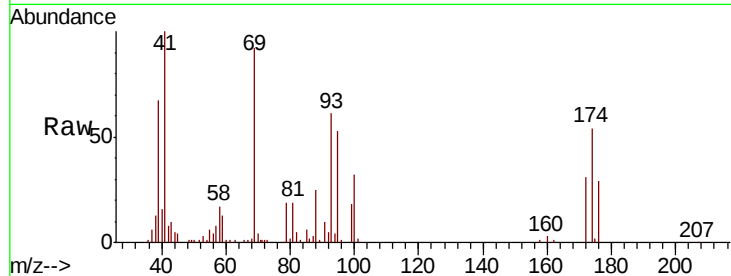




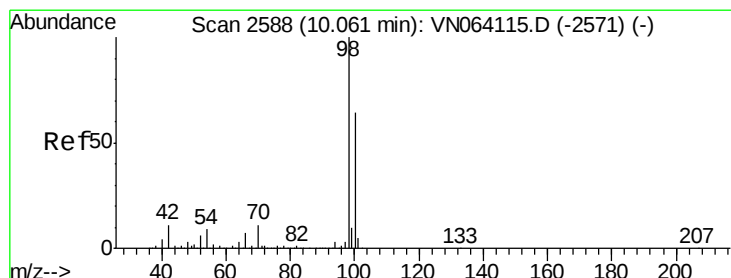
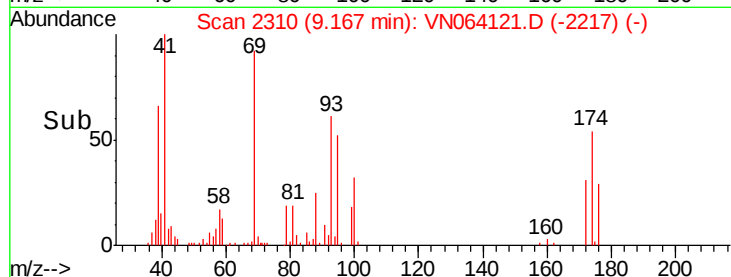
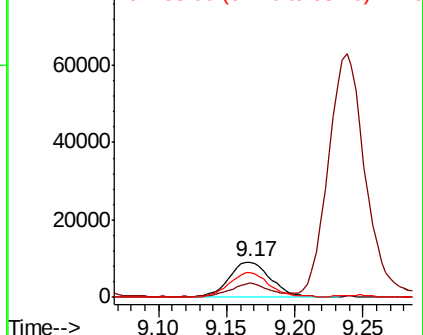
#49
1,4-Dioxane
Concen: 325.652 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 88 Resp: 19642
Ion Ratio Lower Upper
88 100
43 36.1 27.2 40.8
58 66.8 52.6 78.8

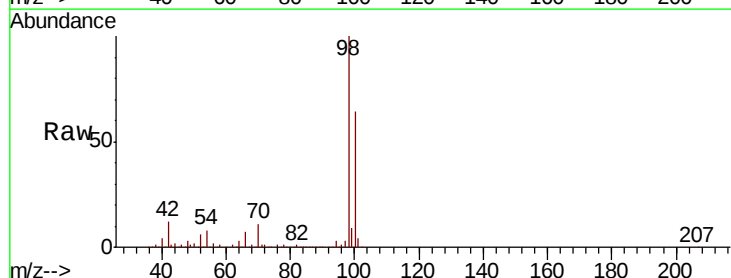


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

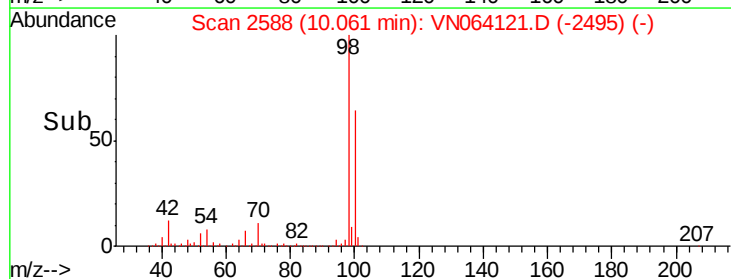
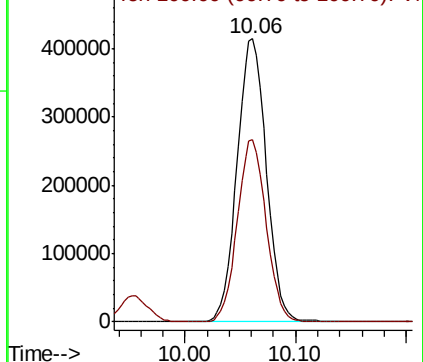


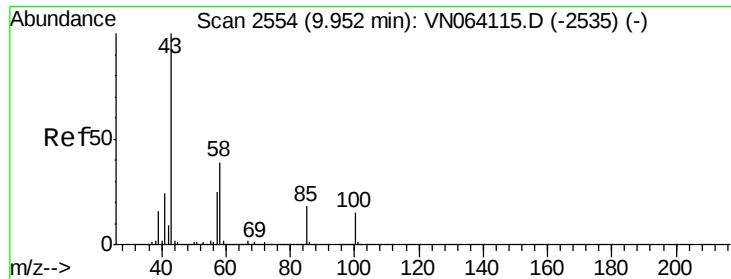
#50
Toluene-d8
Concen: 48.164 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 98 Resp: 762006
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

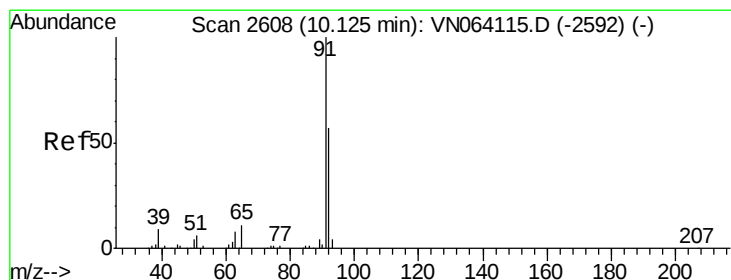
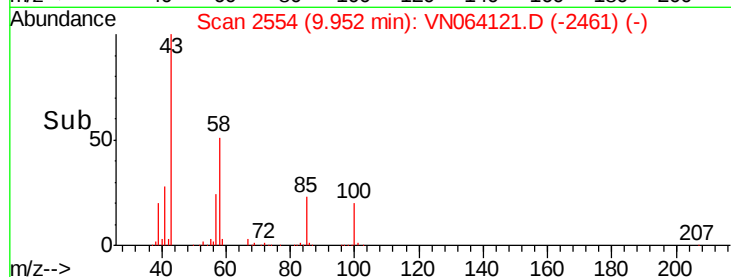
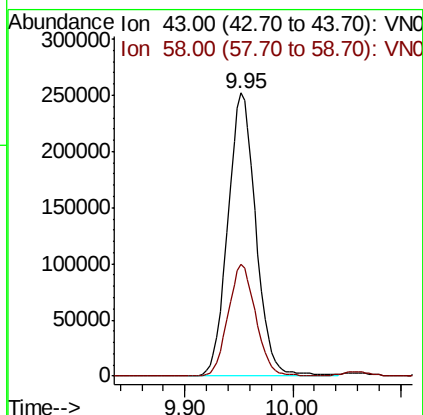
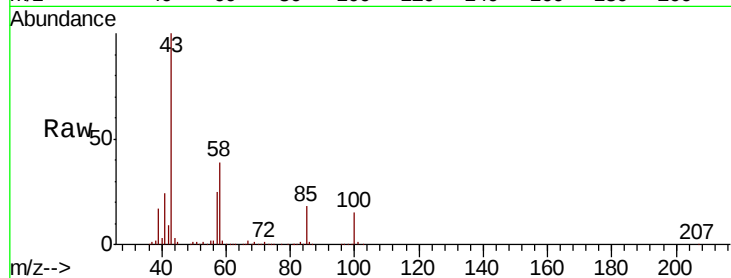




#51
 4-Methyl-2-Pentanone
 Concen: 89.507 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

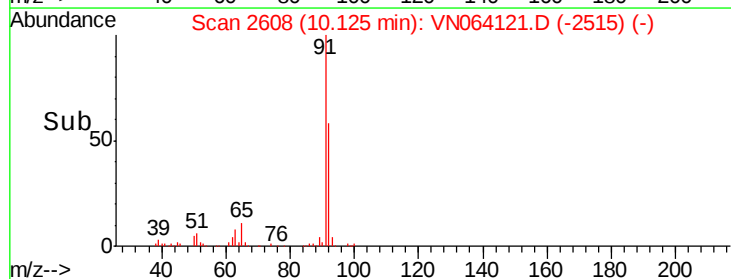
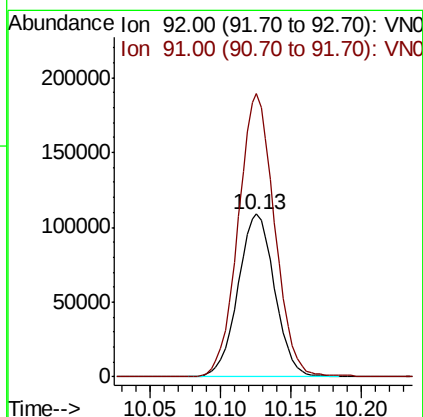
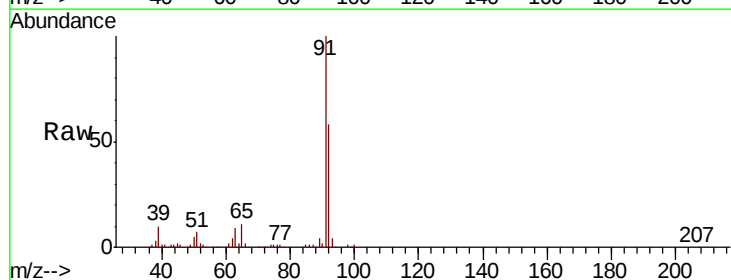
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

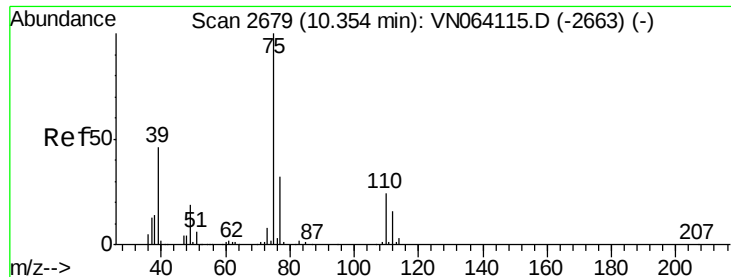
Tot Ion: 43 Resp: 455449
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.2 46.8



#52
 Toluene
 Concen: 18.159 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 92 Resp: 197297
 Ion Ratio Lower Upper
 92 100
 91 173.7 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 17.993 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

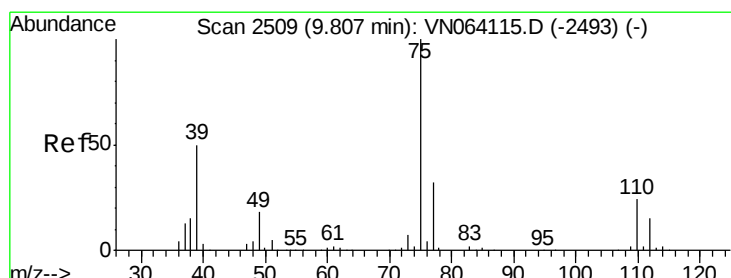
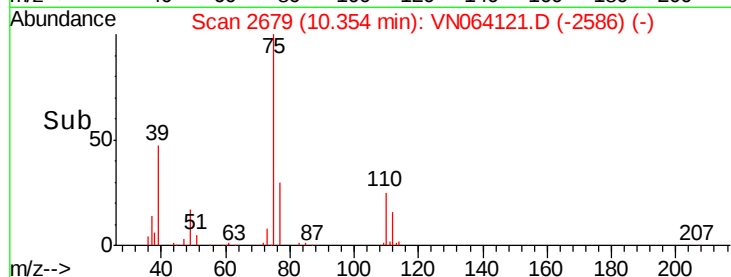
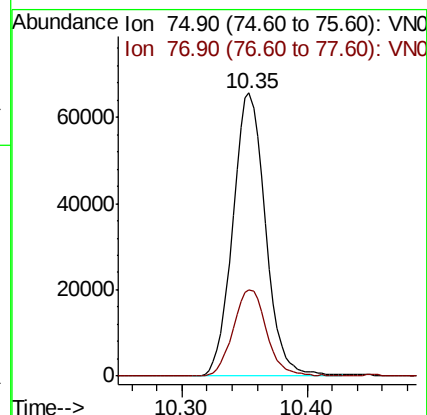
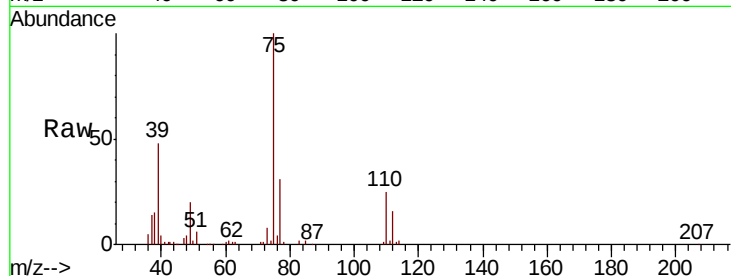
VN1014WBSD01

Tot Ion: 75 Resp: 118718

Ion Ratio Lower Upper

75 100

77 30.7 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 17.871 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

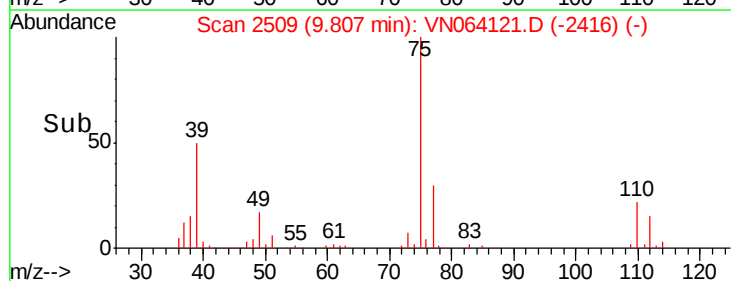
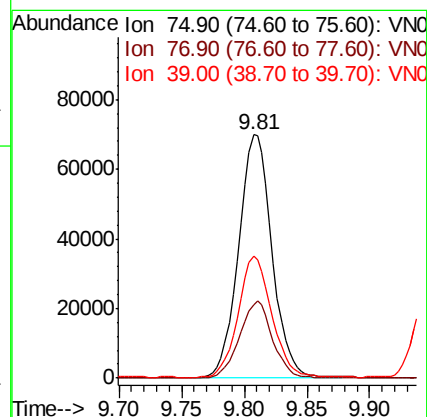
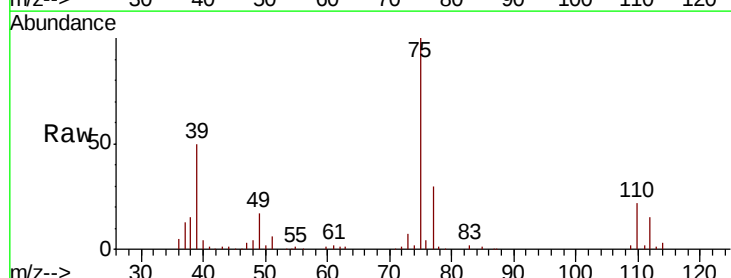
Tgt Ion: 75 Resp: 129567

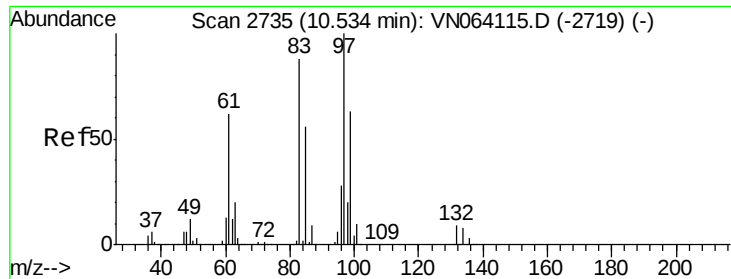
Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

39 49.9 39.8 59.8



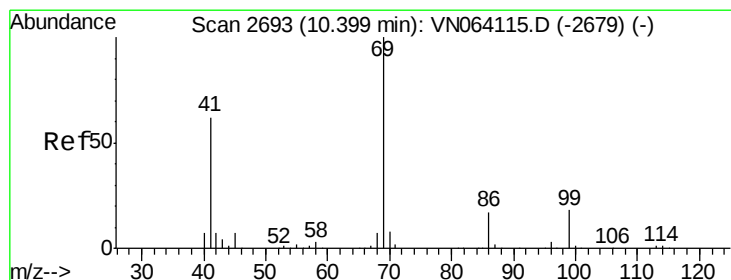
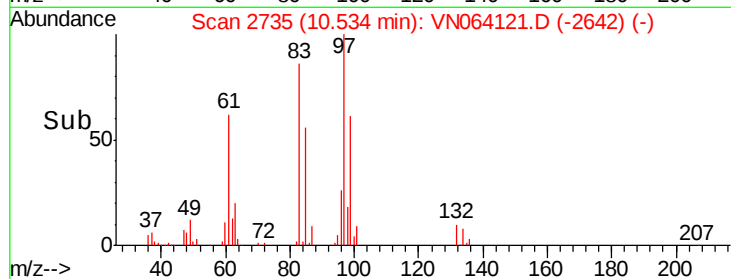
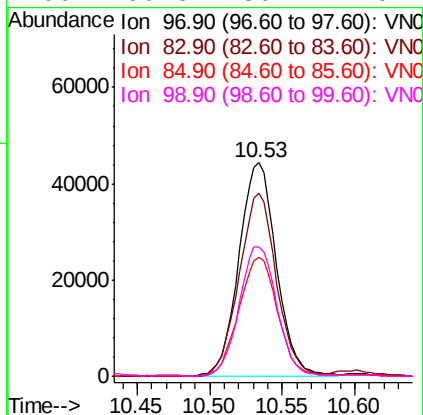
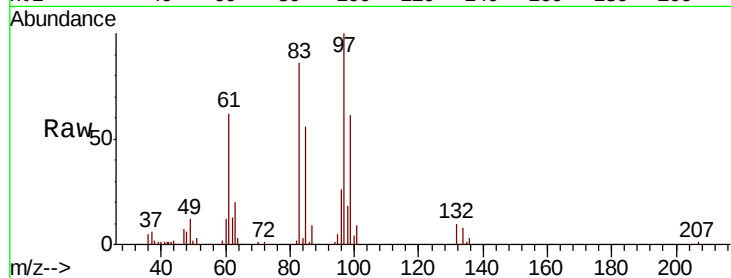


#55
 1,1,2-Trichloroethane
 Concen: 17.730 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion: 97 Resp: 79802

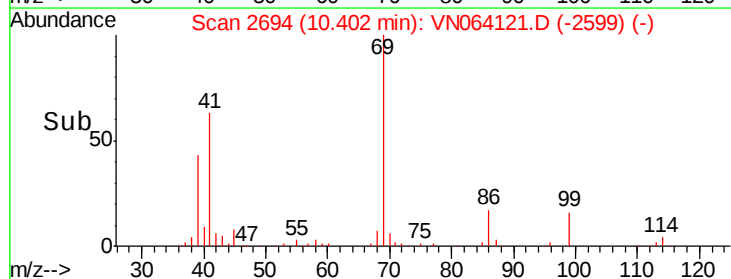
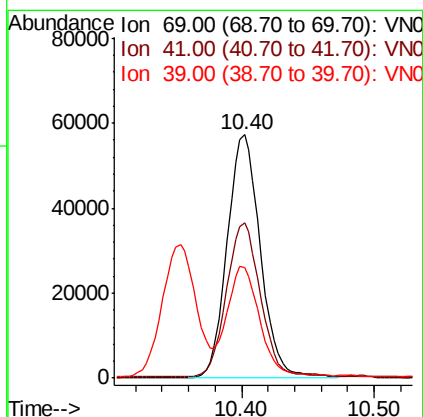
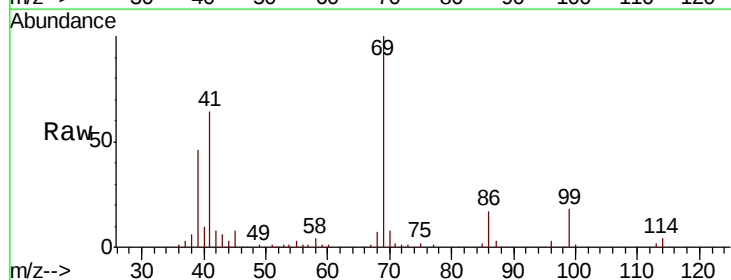
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	55.9	45.0	67.6
99	60.6	50.7	76.1

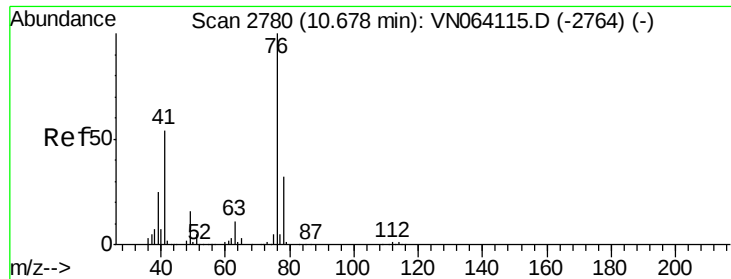


#56
 Ethyl methacrylate
 Concen: 16.915 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 69 Resp: 99918

Ion	Ratio	Lower	Upper
69	100		
41	63.3	49.3	73.9
39	42.6	32.7	49.1





#57

1,3-Dichloropropane

Concen: 17.793 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

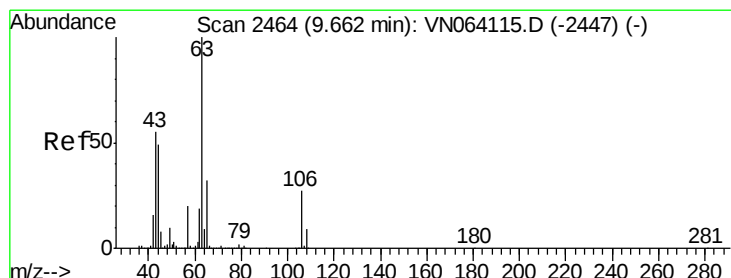
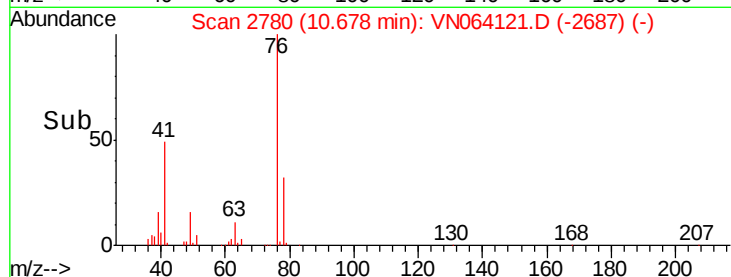
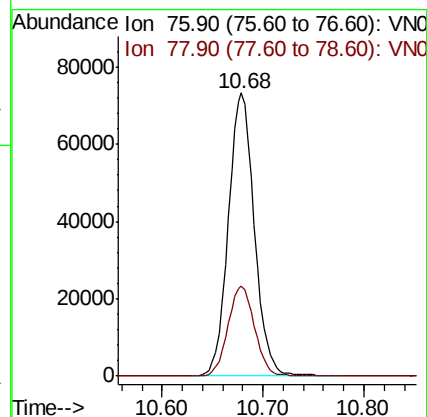
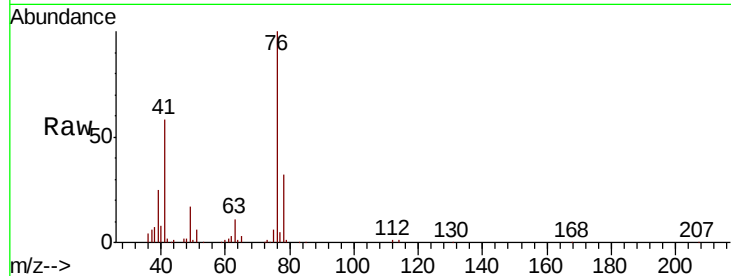
VN1014WBSD01

Tot Ion: 76 Resp: 131891

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 92.807 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN064121.D

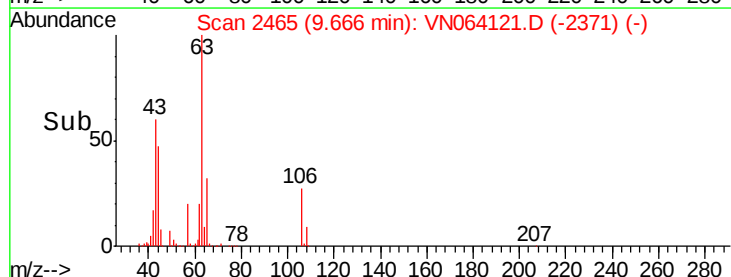
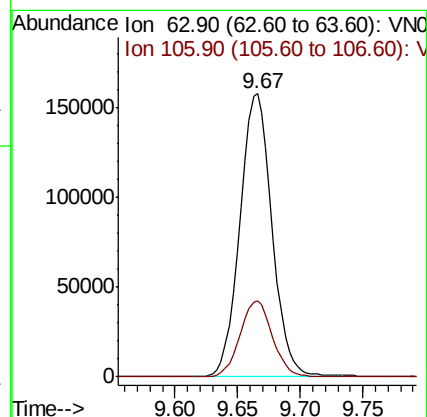
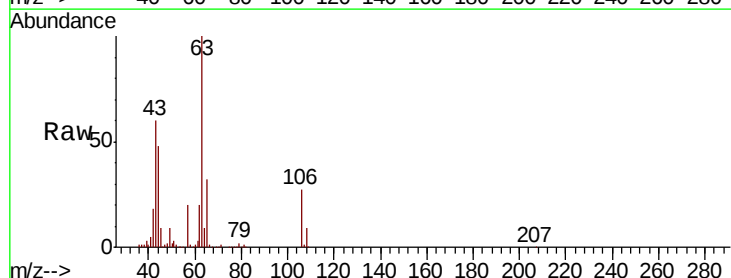
Acq: 14 Oct 2020 18:56

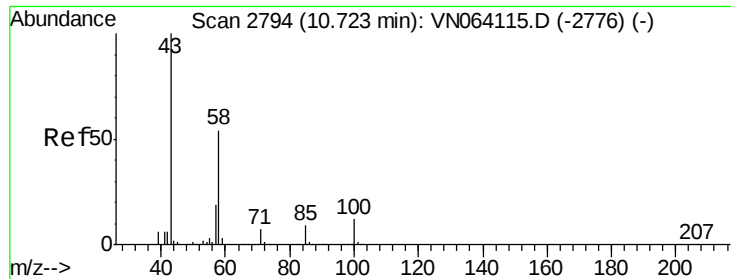
Tgt Ion: 63 Resp: 281029

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.6

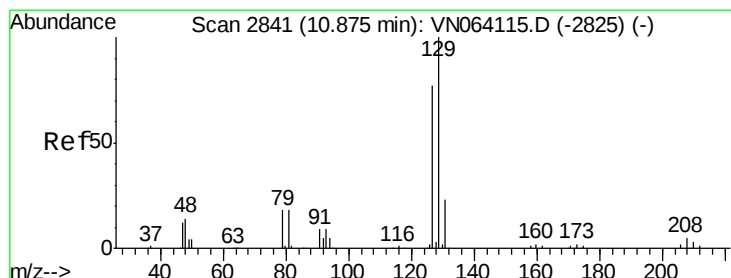
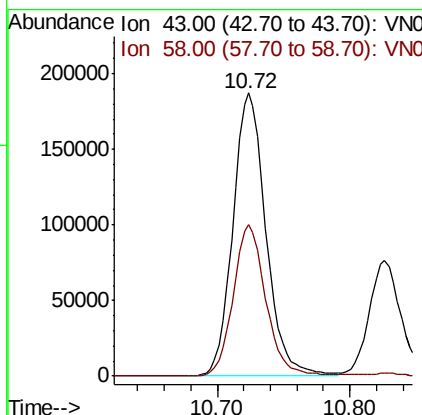
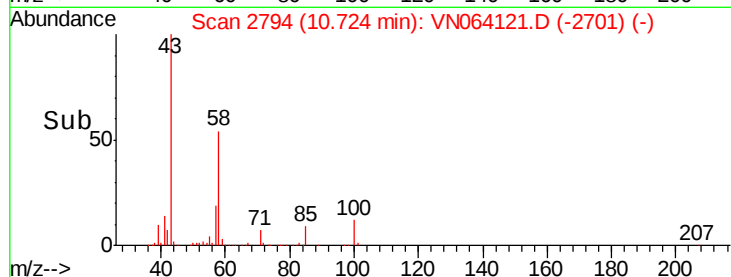
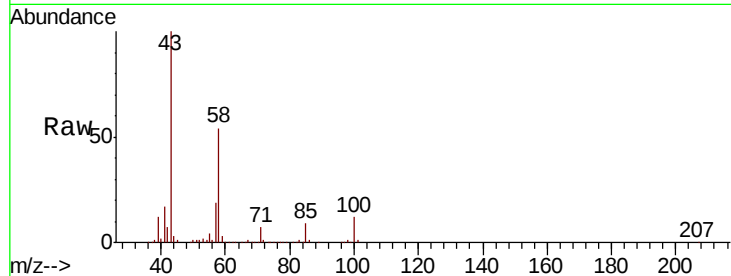




#59
2-Hexanone
Concen: 86.305 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

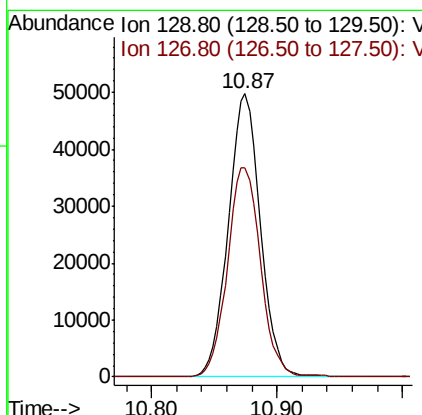
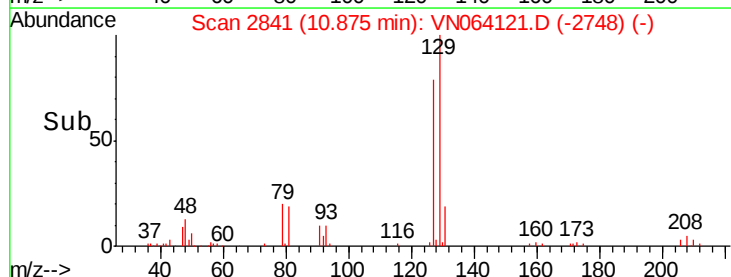
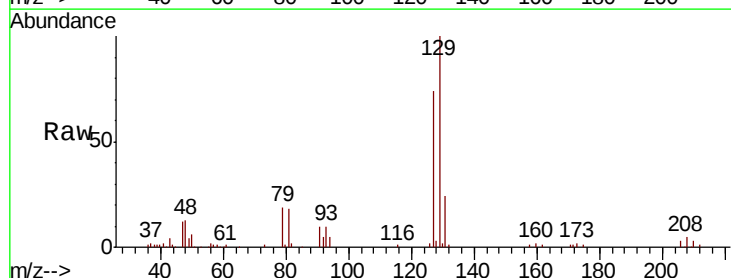
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

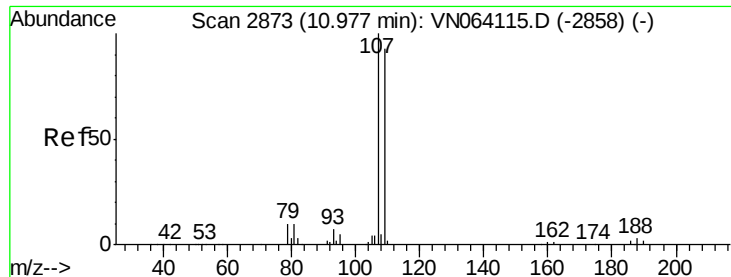
Tot Ion: 43 Resp: 321345
Ion Ratio Lower Upper
43 100
58 53.3 27.2 81.6



#60
Dibromochloromethane
Concen: 17.468 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 129 Resp: 88322
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6

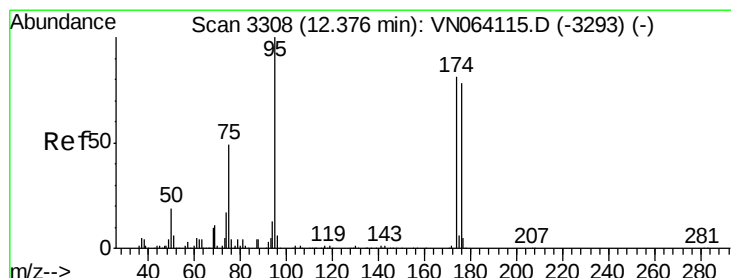
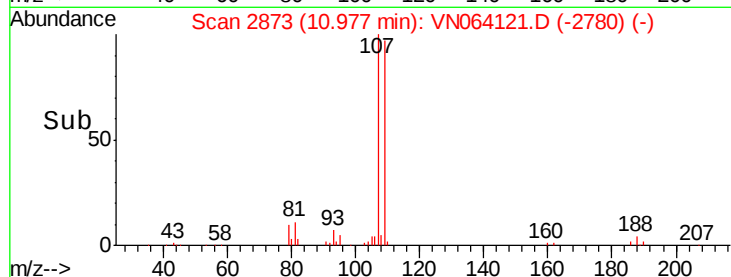
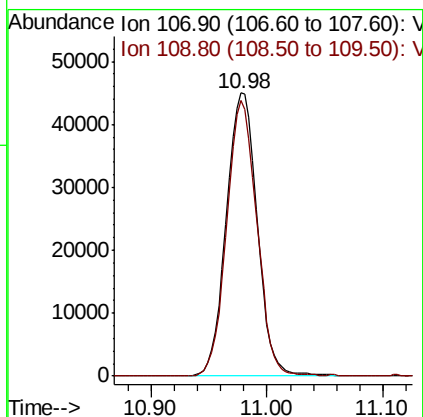
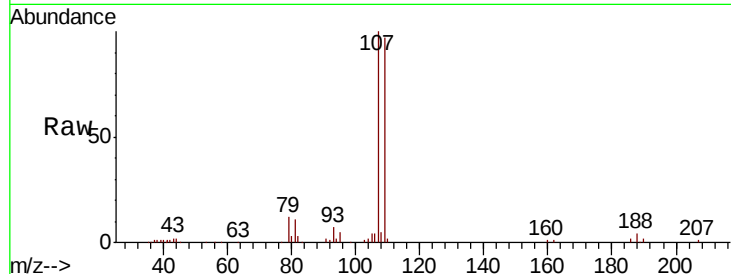




#61
 1,2-Dibromoethane
 Concen: 18.100 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

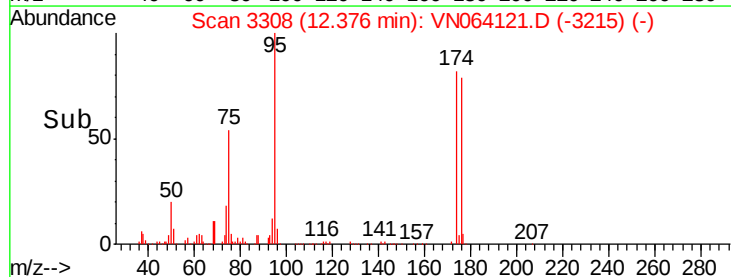
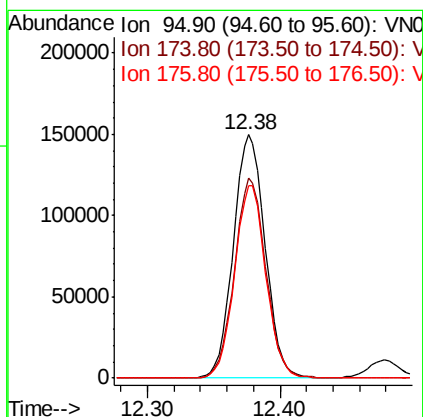
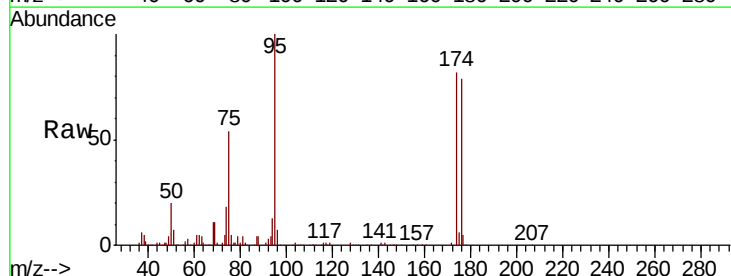
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

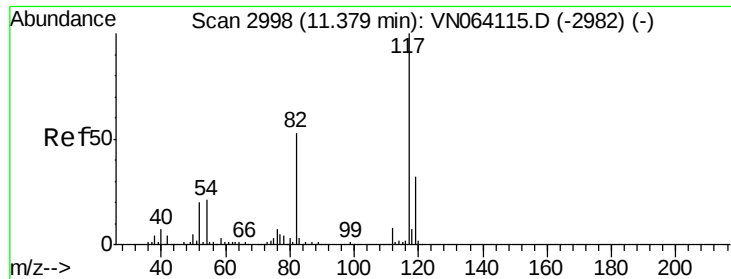
Tot Ion:107 Resp: 82924
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 45.817 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 95 Resp: 249153
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 164.8
 176 77.9 0.0 157.8

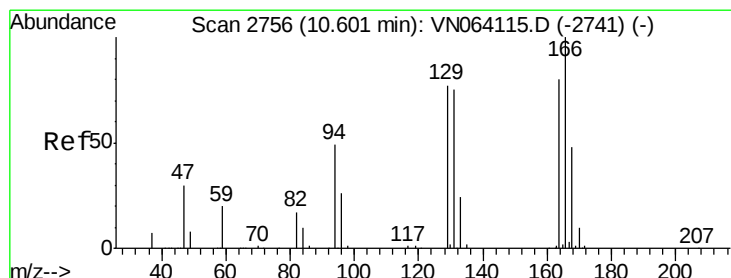
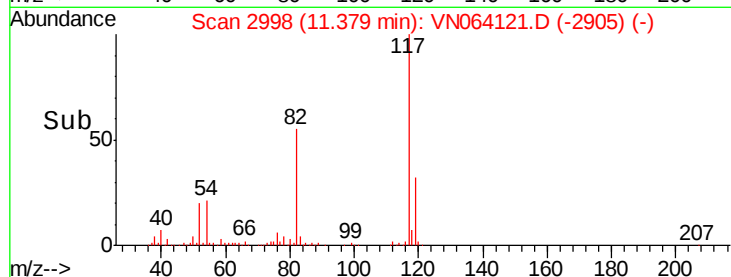
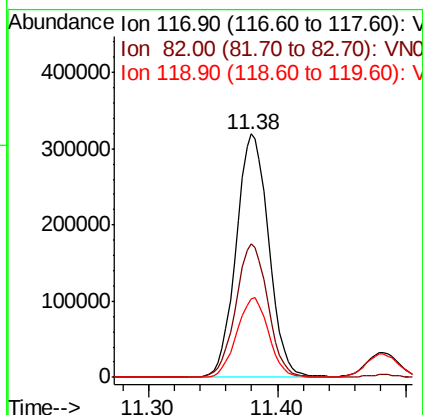
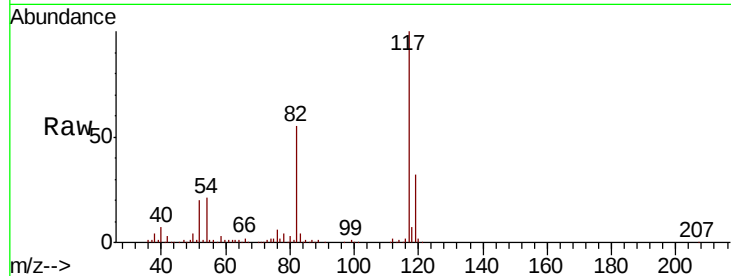




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

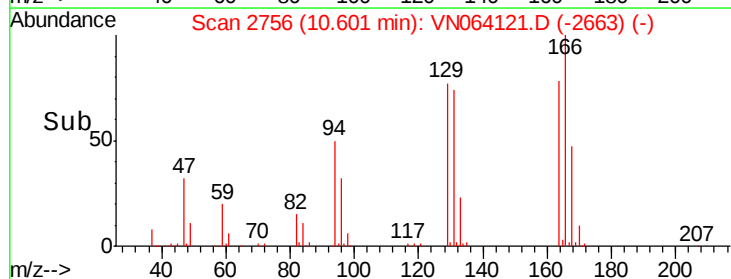
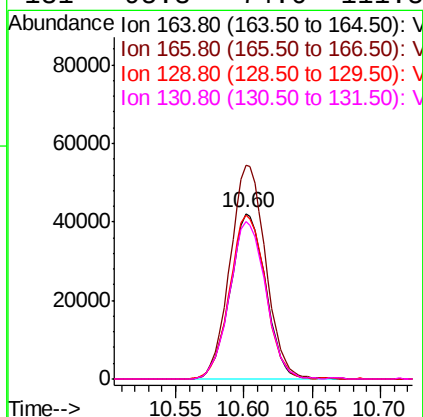
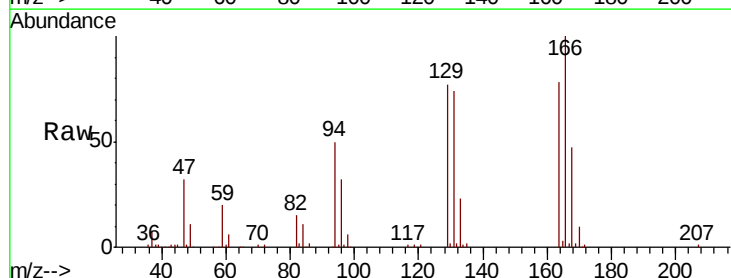
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

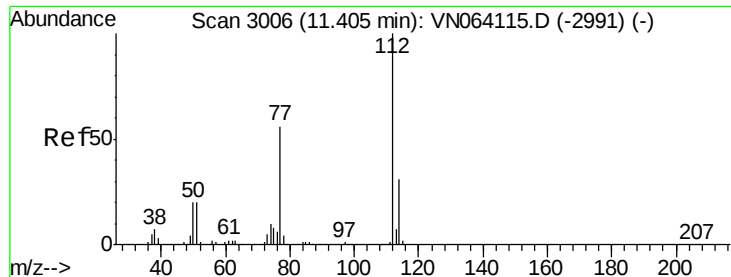
Tot Ion:117 Resp: 560754
Ion Ratio Lower Upper
117 100
82 54.8 42.6 63.8
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 17.963 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion:164 Resp: 75944
Ion Ratio Lower Upper
164 100
166 128.9 99.7 149.5
129 99.1 77.0 115.4
131 95.3 74.6 111.8

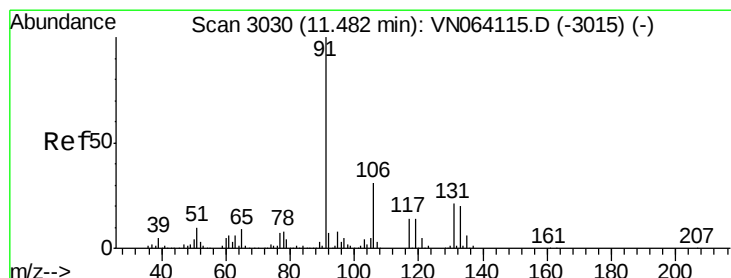
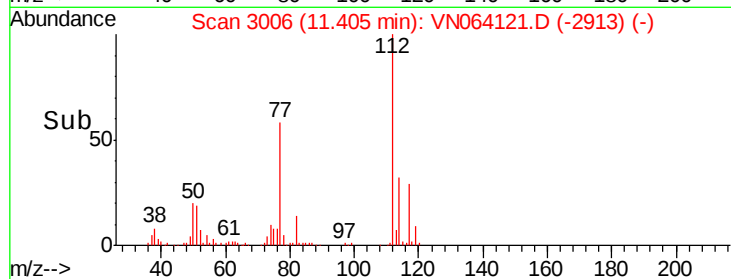
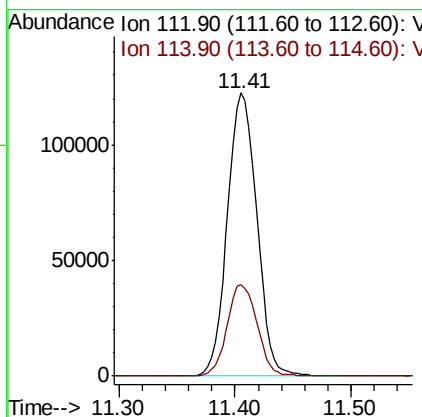
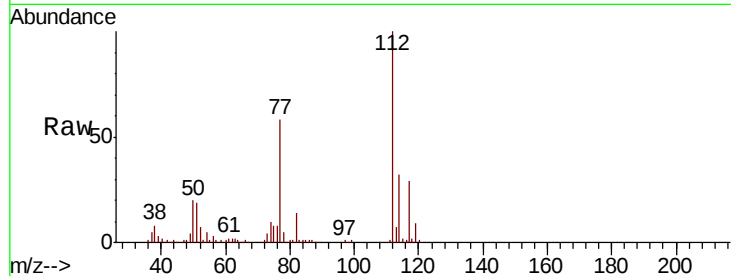




#65
Chlorobenzene
Concen: 18.270 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

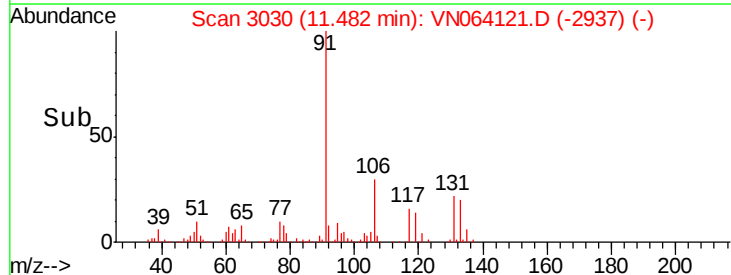
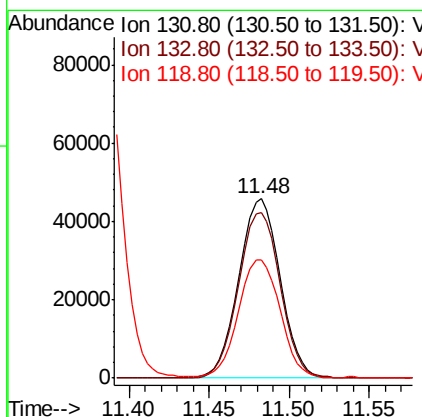
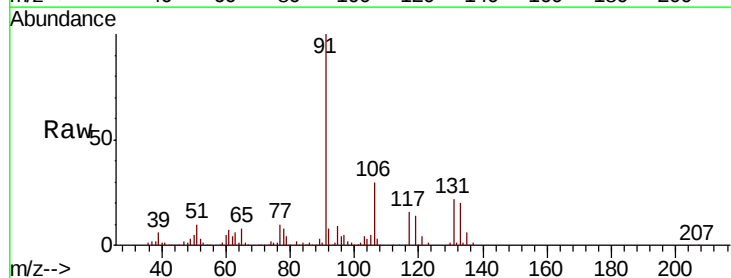
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

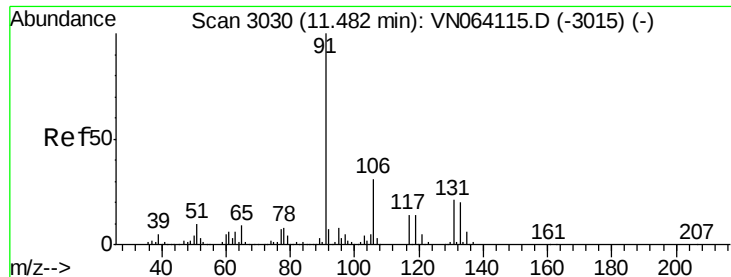
Tot Ion:112 Resp: 215742
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.012 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion:131 Resp: 80754
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 66.1 32.8 98.4

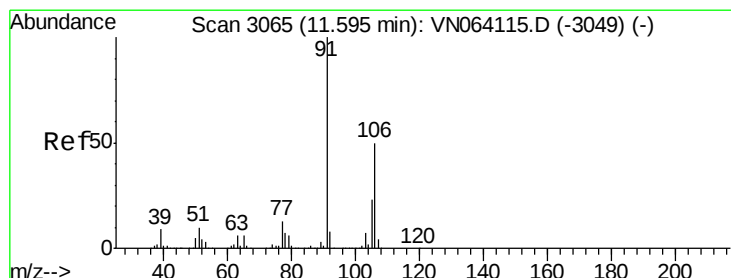
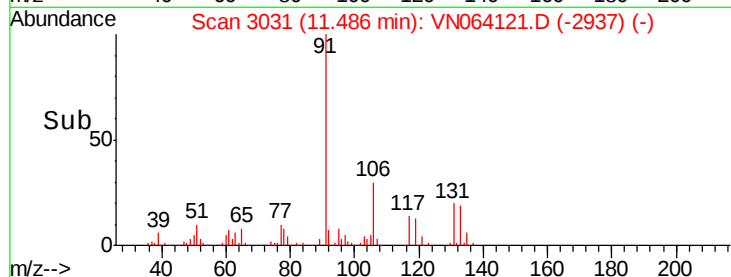
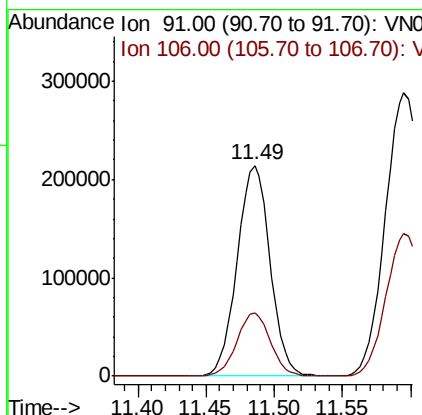
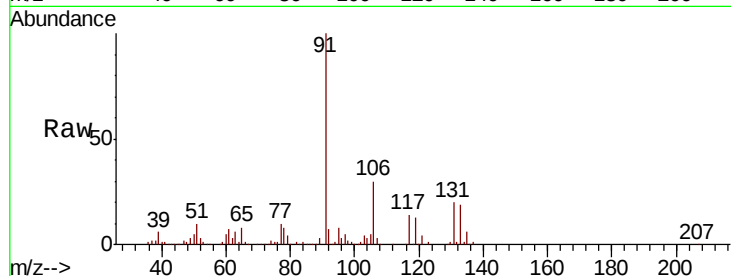




#67
Ethyl Benzene
Concen: 18.166 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

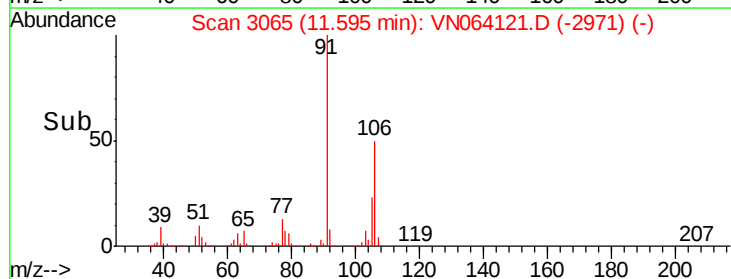
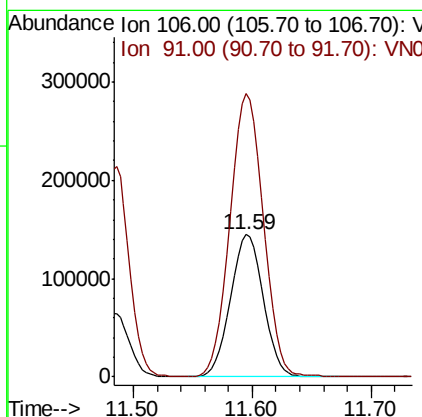
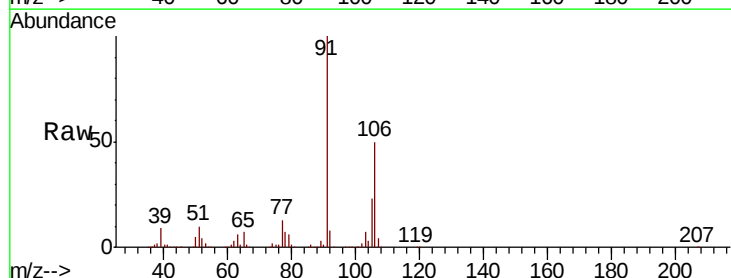
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

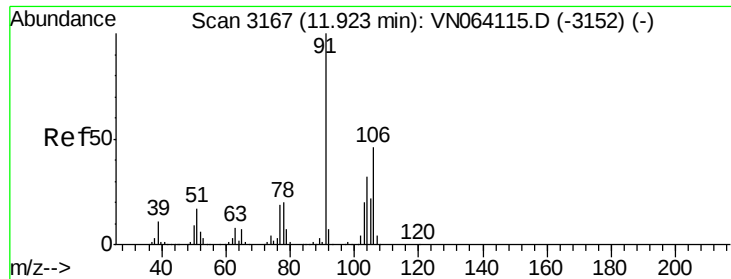
Tot Ion: 91 Resp: 359347
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 35.362 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 106 Resp: 276558
Ion Ratio Lower Upper
106 100
91 202.5 162.1 243.1

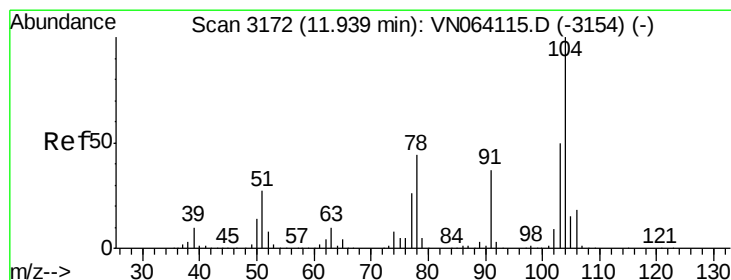
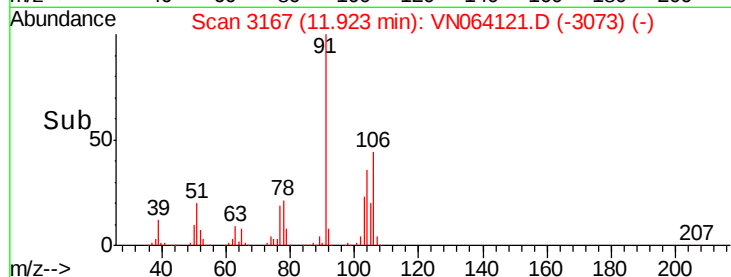
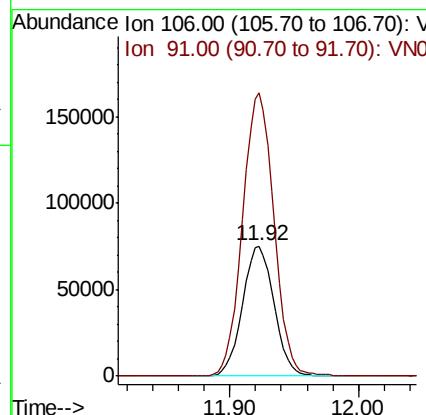
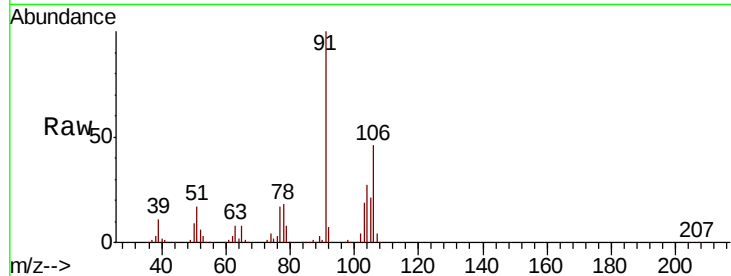




#69
o-Xylene
Concen: 17.469 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

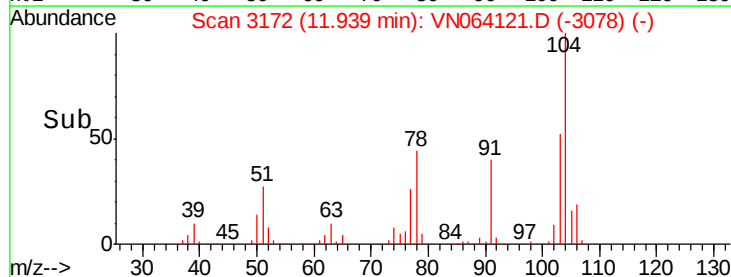
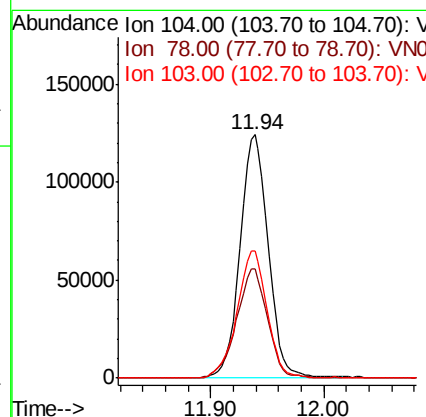
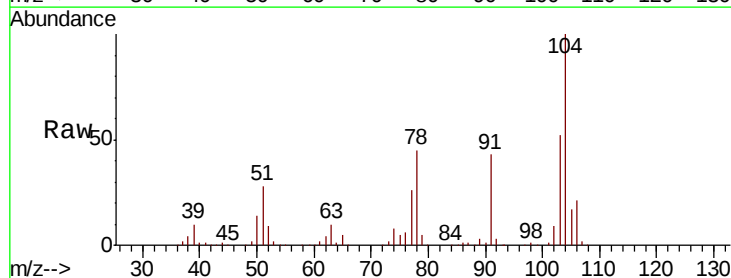
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

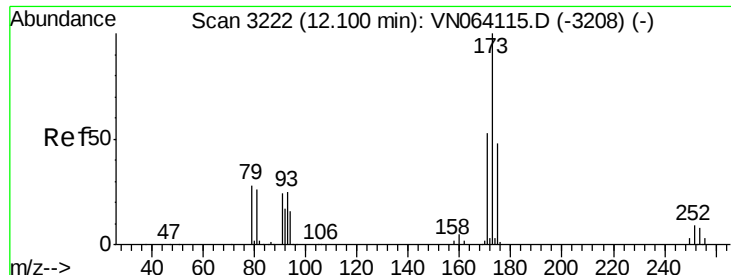
Tot Ion:106 Resp: 128012
Ion Ratio Lower Upper
106 100
91 217.1 107.6 322.8



#70
Styrene
Concen: 17.458 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion:104 Resp: 216312
Ion Ratio Lower Upper
104 100
78 49.1 39.7 59.5
103 55.5 44.2 66.2





#71

Bromoform

Concen: 17.562 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

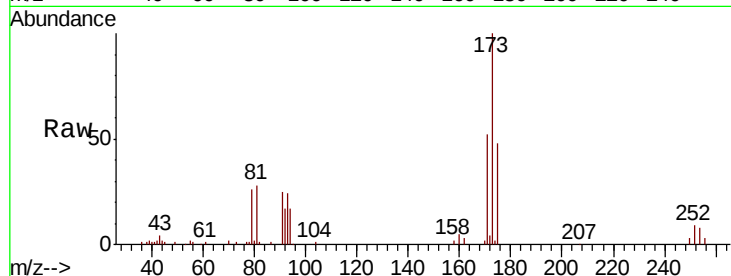
Tot Ion:173 Resp: 59601

Ion Ratio Lower Upper

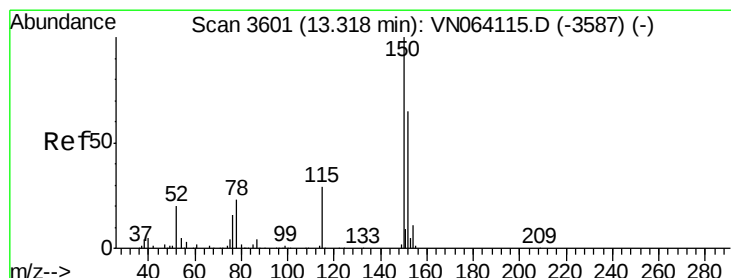
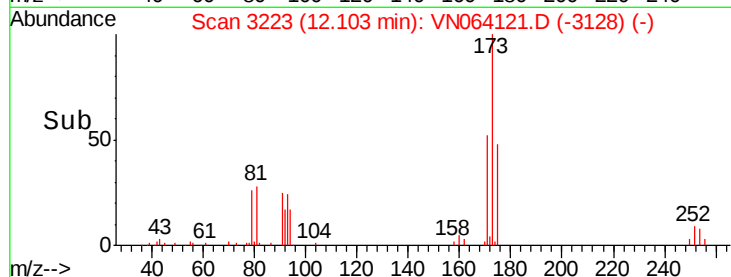
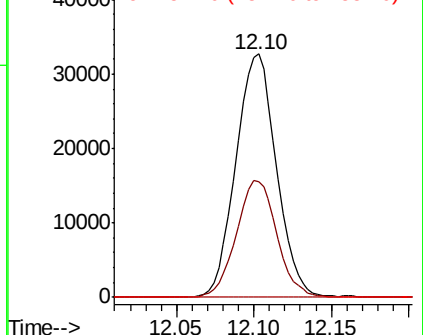
173 100

175 48.0 23.4 70.2

254 0.0 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: VN064121.D

Acq: 14 Oct 2020 18:56

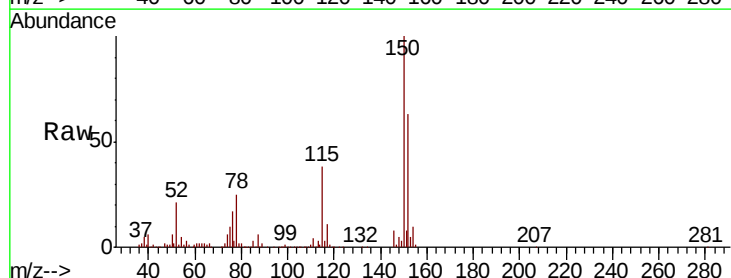
Tgt Ion:152 Resp: 252399

Ion Ratio Lower Upper

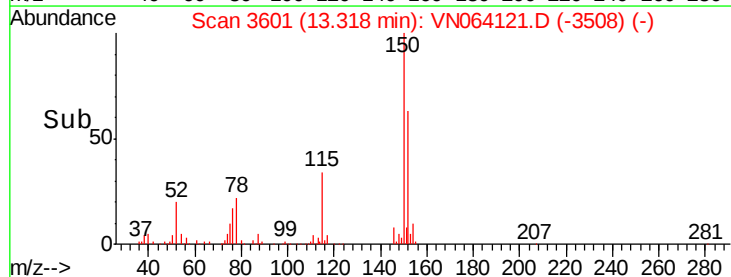
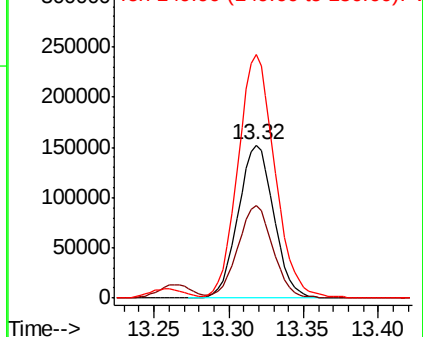
152 100

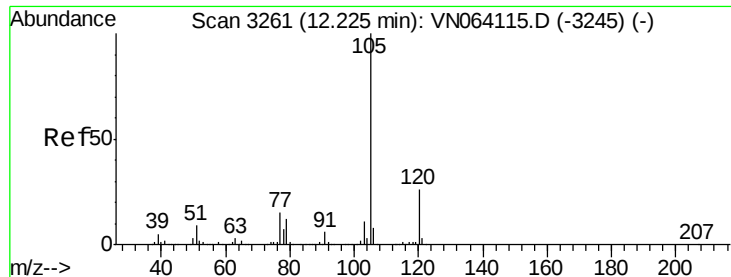
115 59.4 29.3 87.8

150 163.7 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: 18.439 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

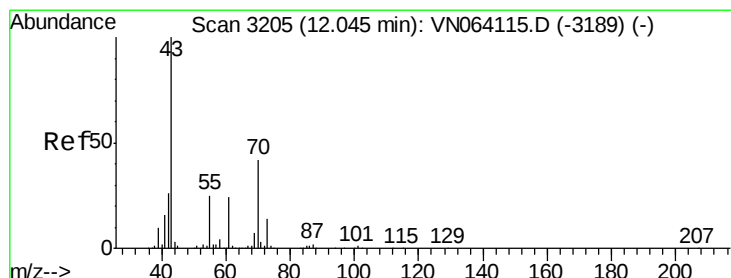
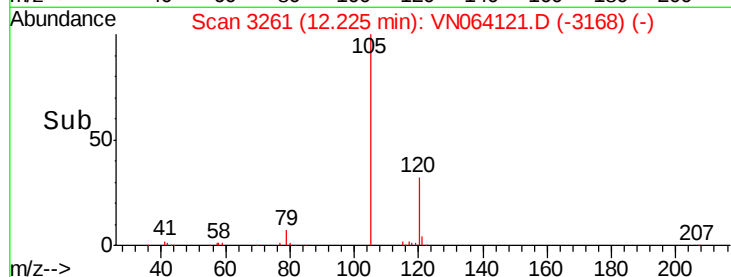
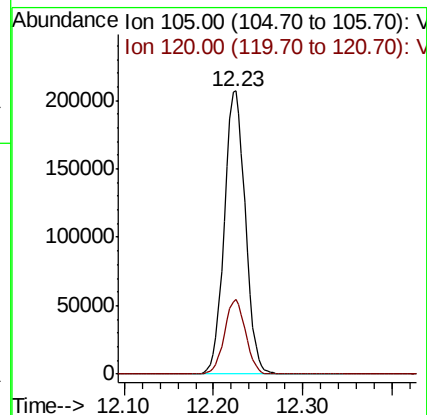
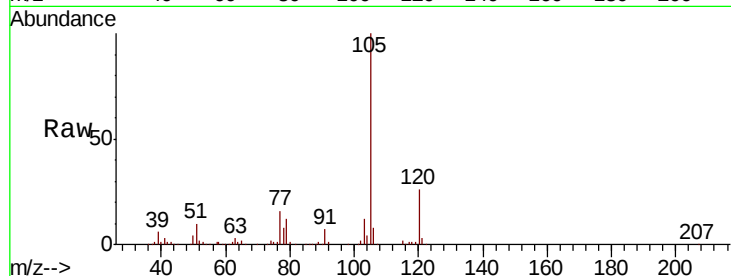
VN1014WBSD01

Tot Ion:105 Resp: 337102

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 17.007 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion: 43 Resp: 116440

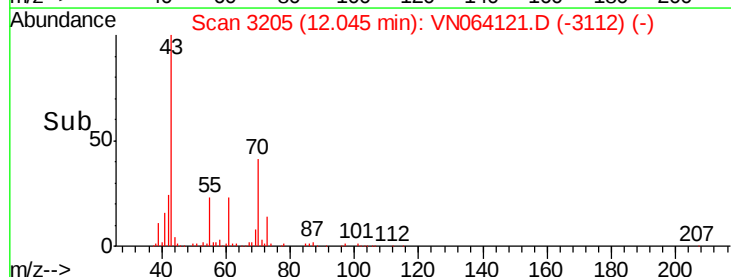
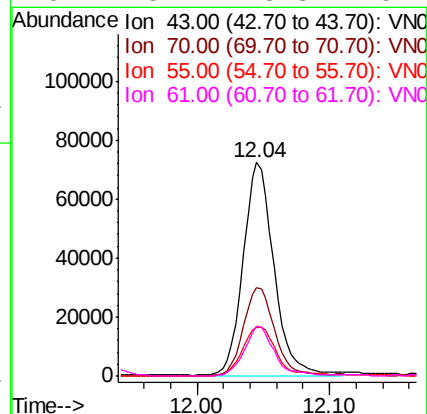
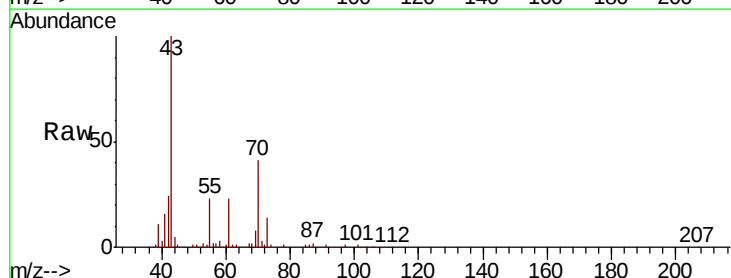
Ion Ratio Lower Upper

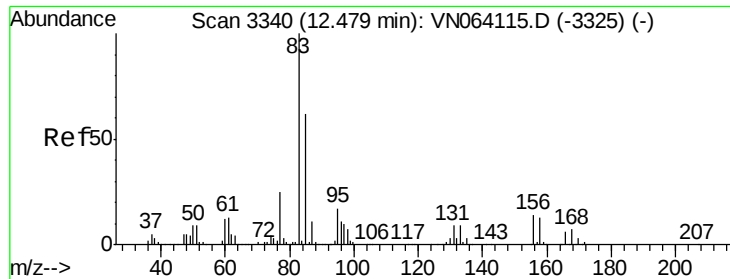
43 100

70 42.1 33.2 49.8

55 24.9 19.9 29.9

61 23.1 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.812 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

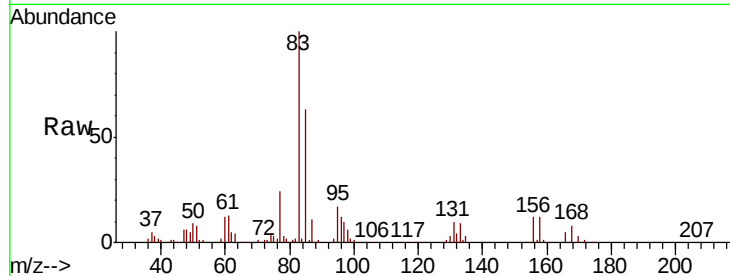
Tot Ion: 83 Resp: 112118

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN064121.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064121.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064121.D (-3247) (-)

12.48

80000

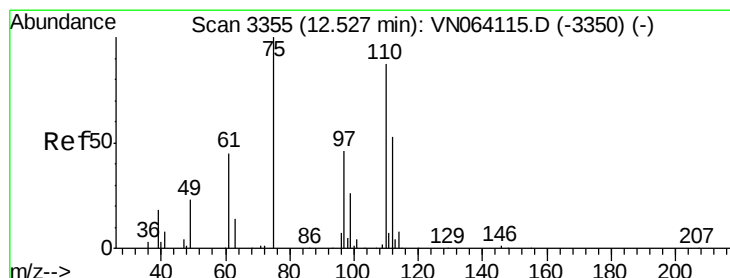
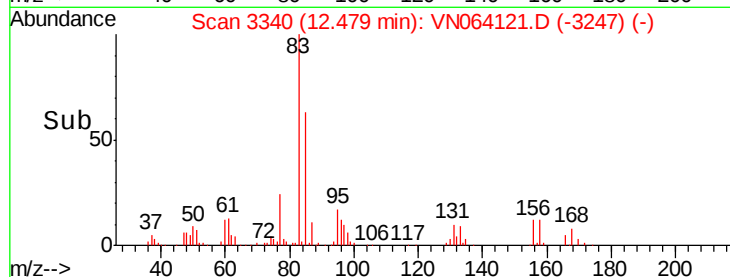
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 23.859 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN064121.D

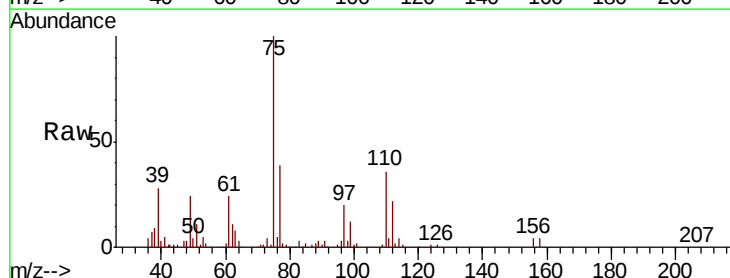
Acq: 14 Oct 2020 18:56

Tgt Ion: 75 Resp: 141281

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064121.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064121.D (-3262) (-)

12.53

100000

80000

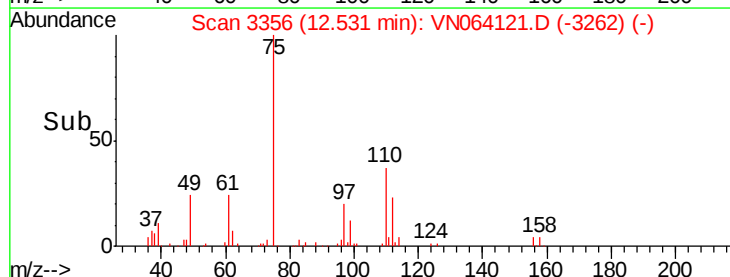
60000

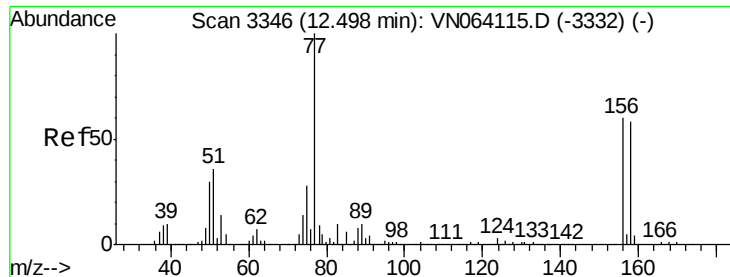
40000

20000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 18.094 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

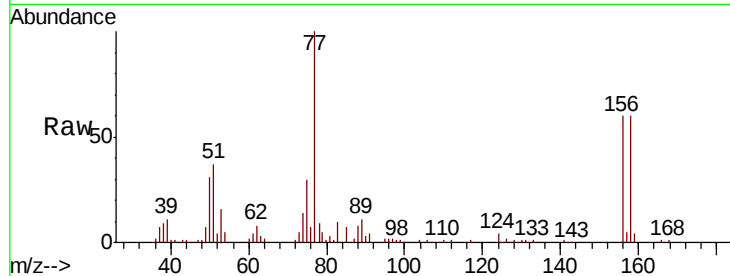
Tot Ion:156 Resp: 89806

Ion Ratio Lower Upper

156 100

77 204.4 99.3 297.9

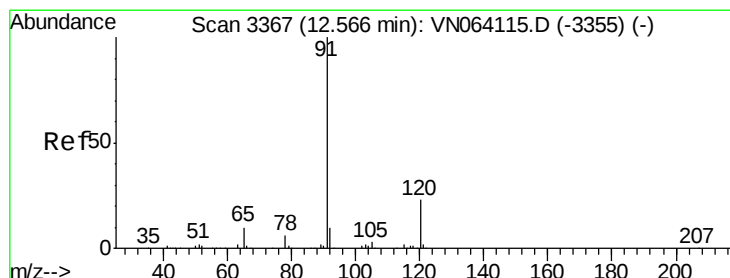
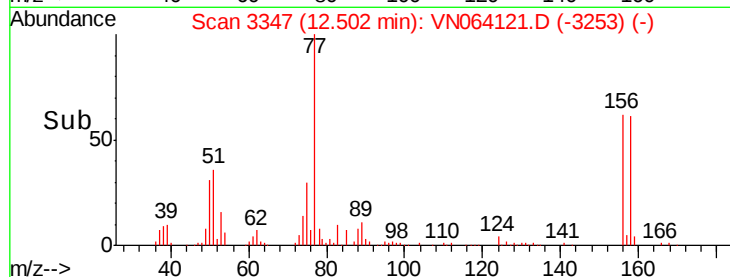
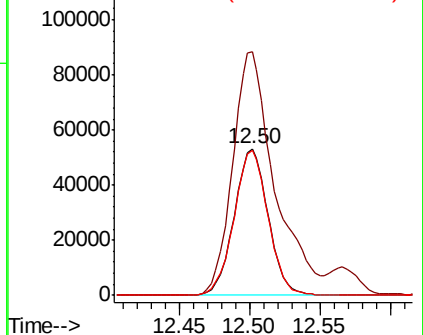
158 99.4 48.6 145.9



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: 18.795 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064121.D

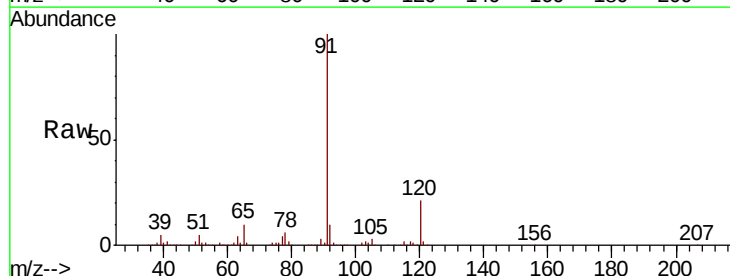
Acq: 14 Oct 2020 18:56

Tgt Ion: 91 Resp: 383532

Ion Ratio Lower Upper

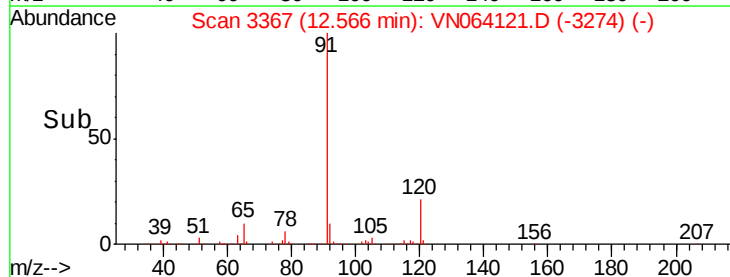
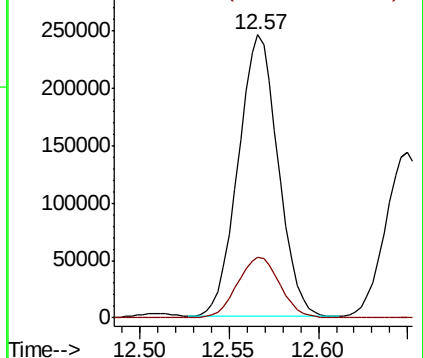
91 100

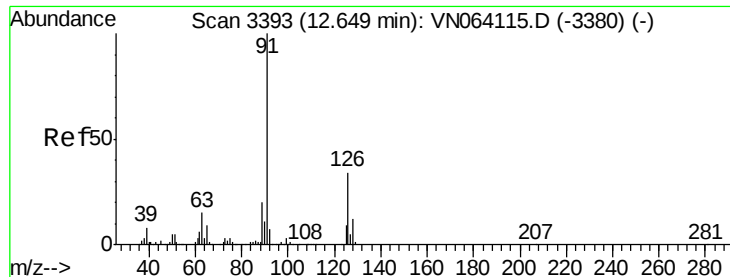
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.975 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

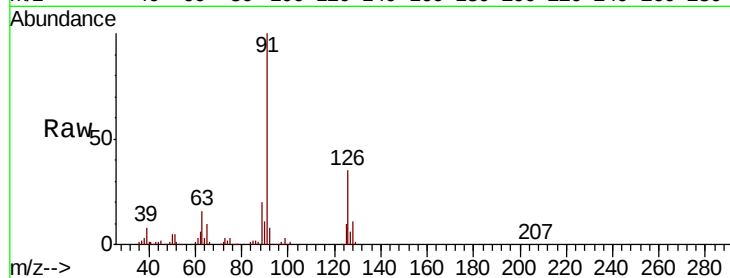
VN1014WBSD01

Tot Ion: 91 Resp: 233280

Ion Ratio Lower Upper

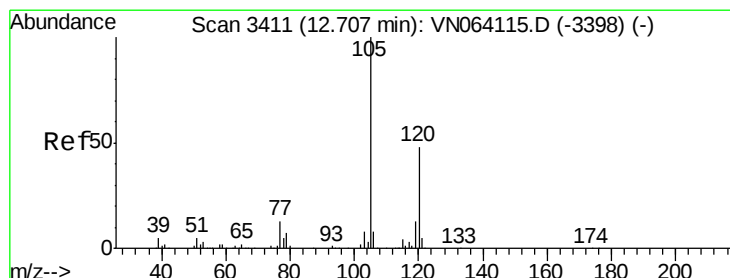
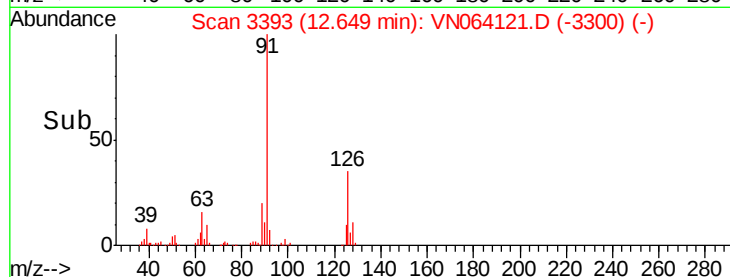
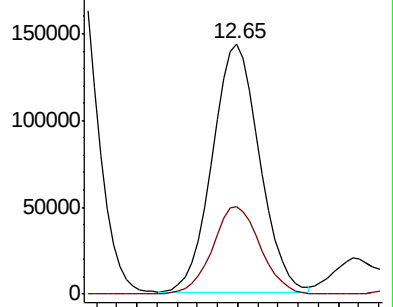
91 100

126 35.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN064121.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064121.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.182 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064121.D

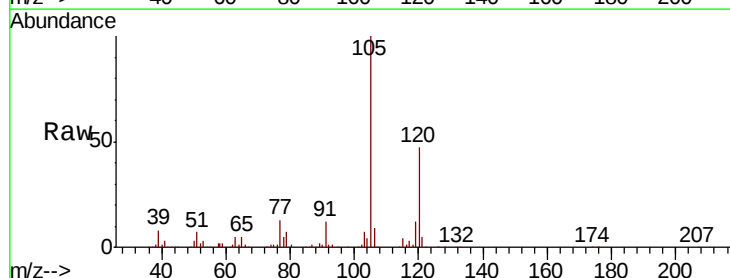
Acq: 14 Oct 2020 18:56

Tgt Ion: 105 Resp: 281486

Ion Ratio Lower Upper

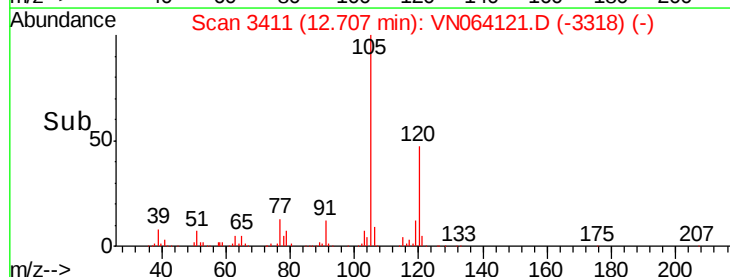
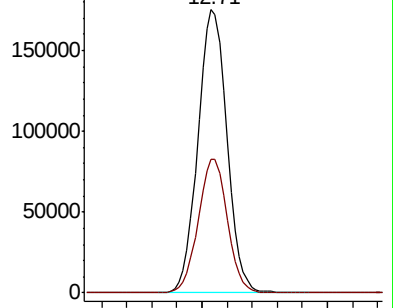
105 100

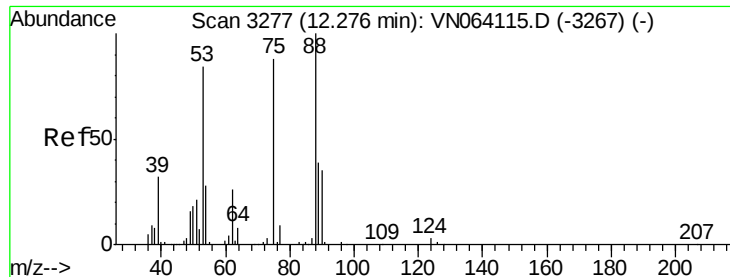
120 47.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064121.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064121.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.800 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

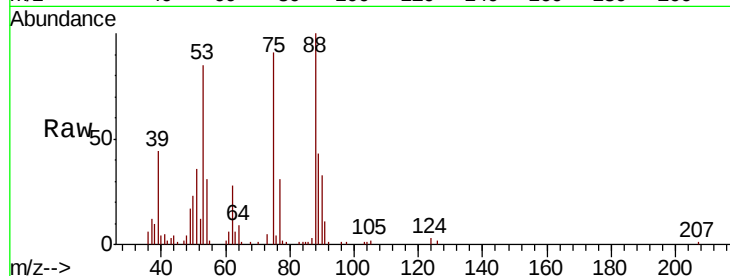
Tot Ion: 75 Resp: 34499

Ion Ratio Lower Upper

75 100

53 98.8 75.7 113.5

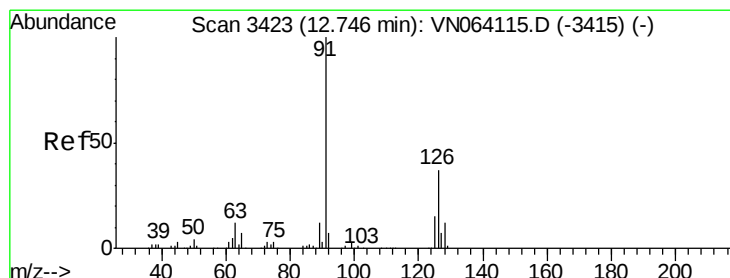
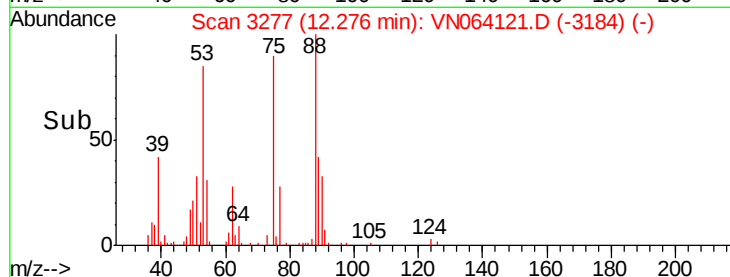
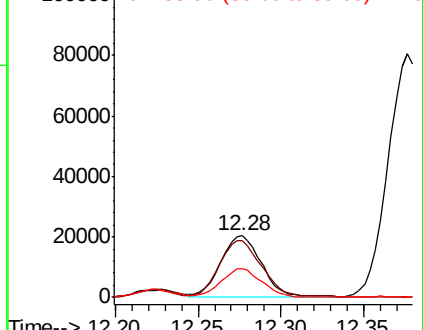
89 46.3 36.6 55.0



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: 18.169 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064121.D

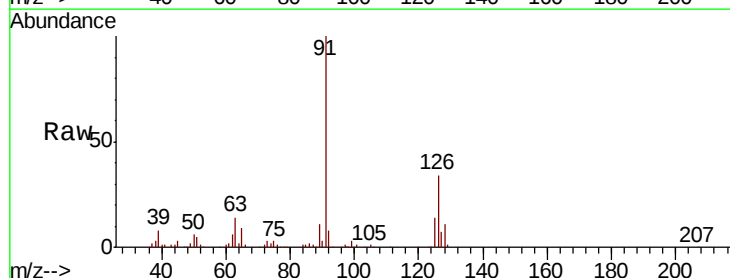
Acq: 14 Oct 2020 18:56

Tgt Ion: 91 Resp: 237656

Ion Ratio Lower Upper

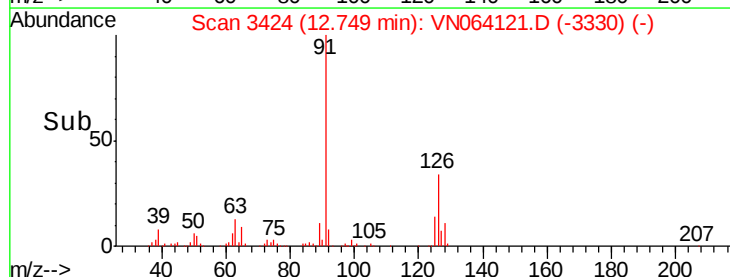
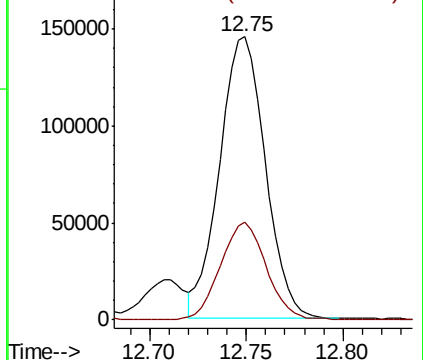
91 100

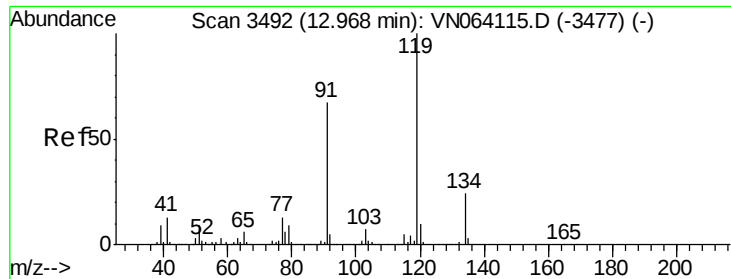
126 34.8 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

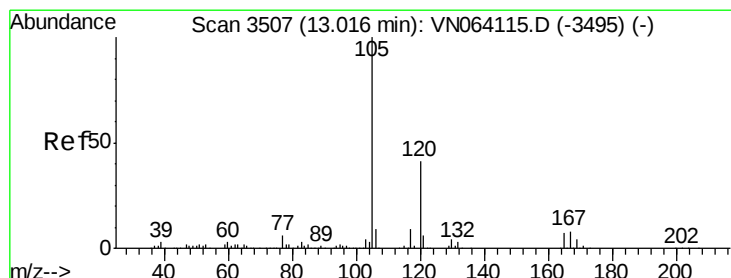
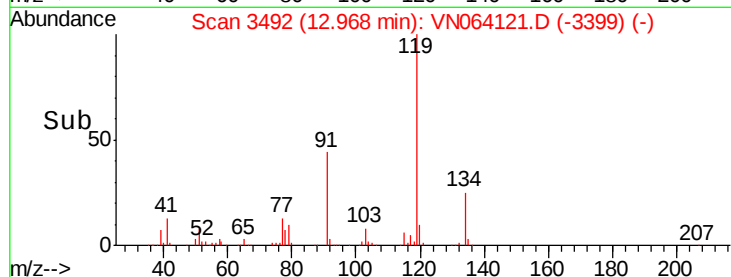
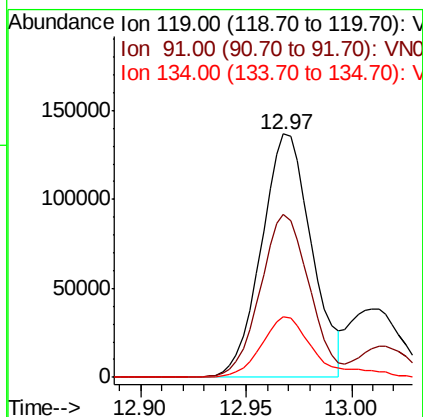
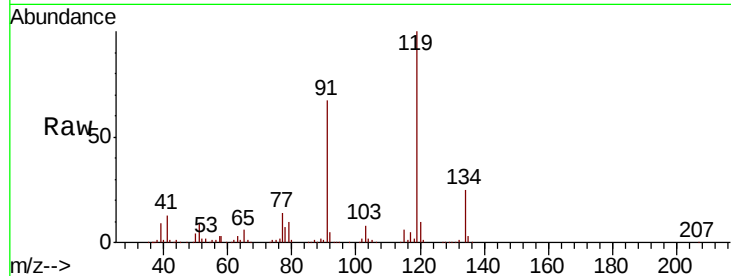




#83
tert-Butylbenzene
Concen: 18.644 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

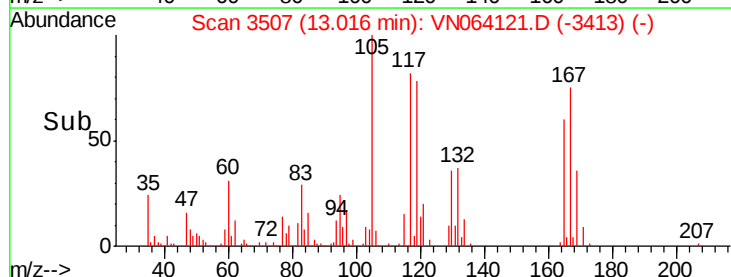
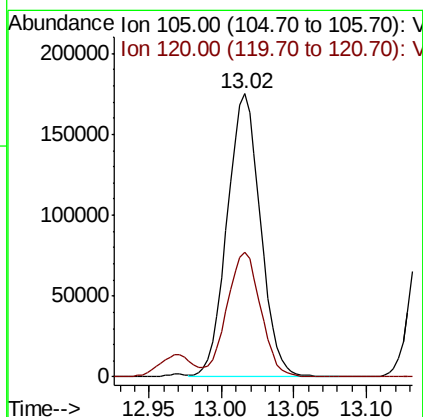
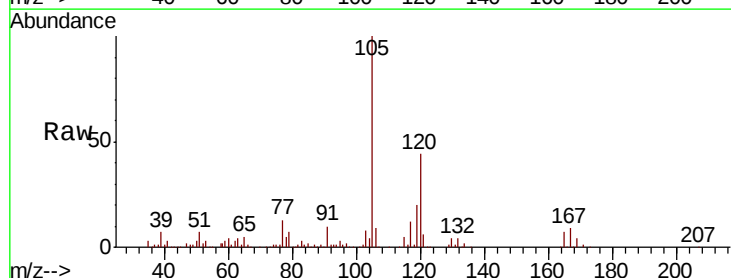
Instrument :
MSVOA_N
ClientSampled :
VN1014WBSD01

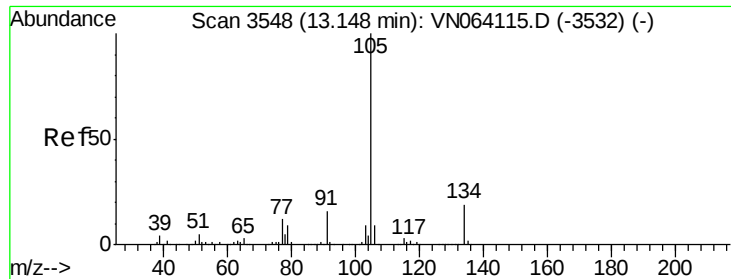
Tot Ion:119 Resp: 226274
Ion Ratio Lower Upper
119 100
91 65.3 32.6 98.0
134 26.7 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 18.305 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion:105 Resp: 278193
Ion Ratio Lower Upper
105 100
120 44.5 22.8 68.4

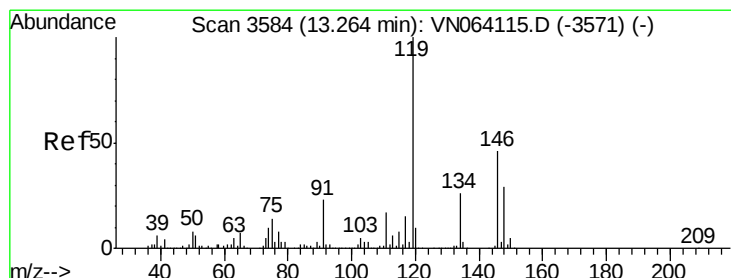
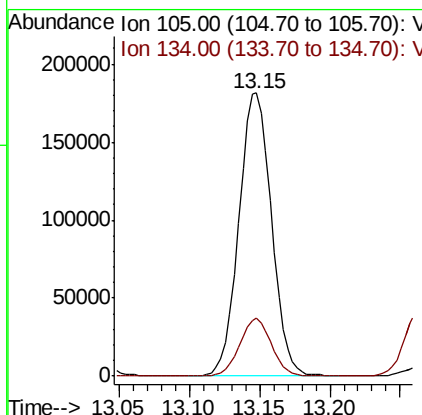
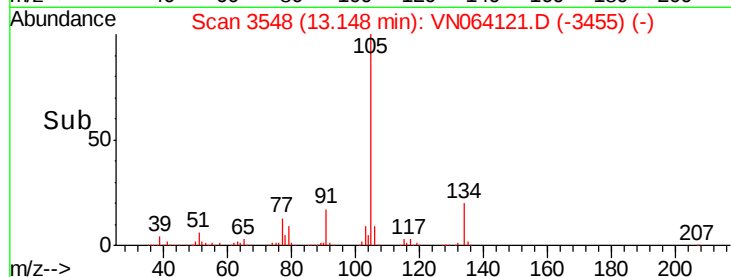
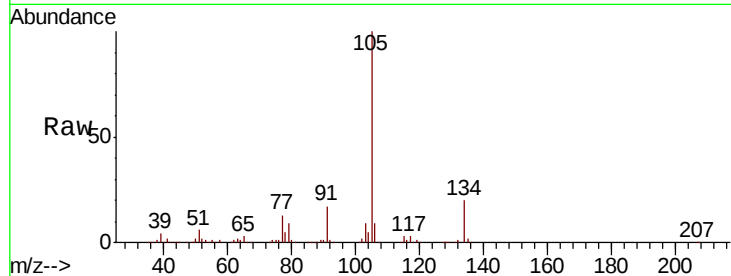




#85
 sec-Butylbenzene
 Concen: 18.837 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

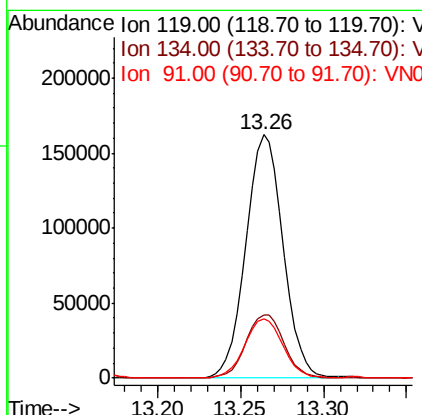
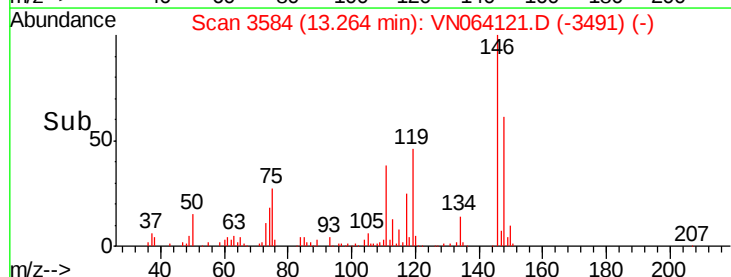
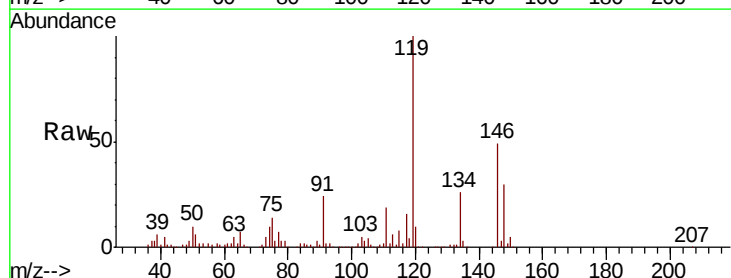
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

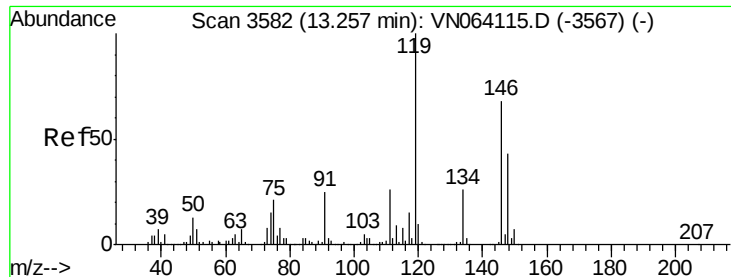
Tot Ion:105 Resp: 293889
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 17.576 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion:119 Resp: 252940
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 24.9 12.0 36.1

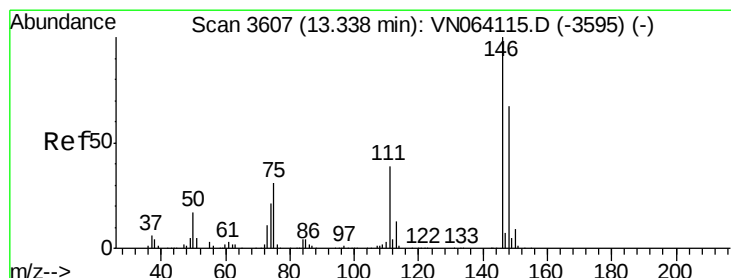
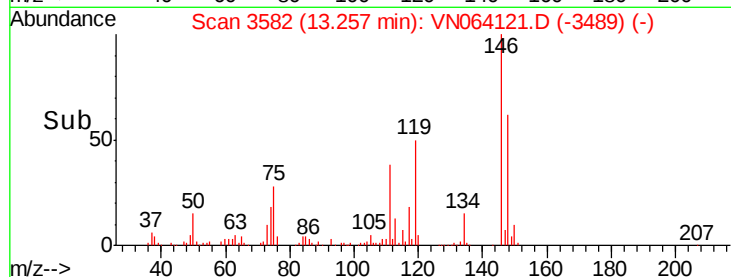
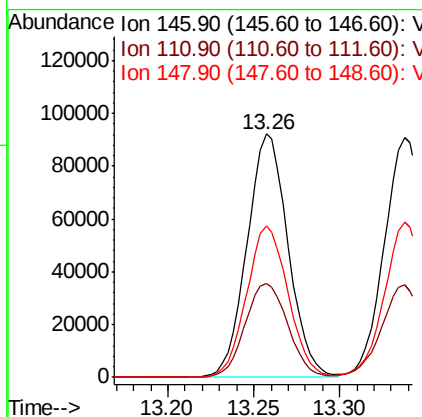
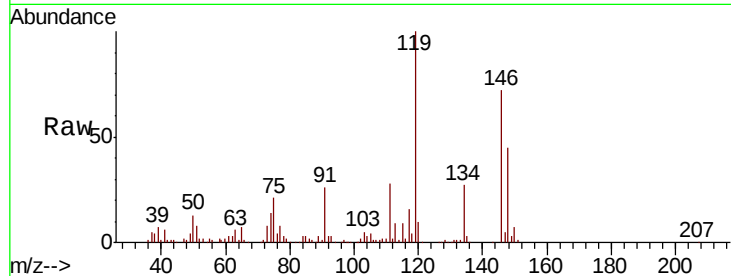




#87
 1,3-Dichlorobenzene
 Concen: 18.485 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

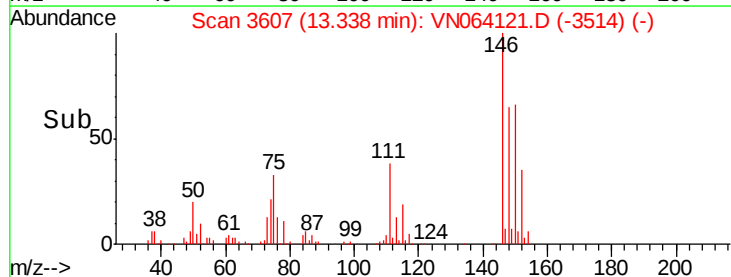
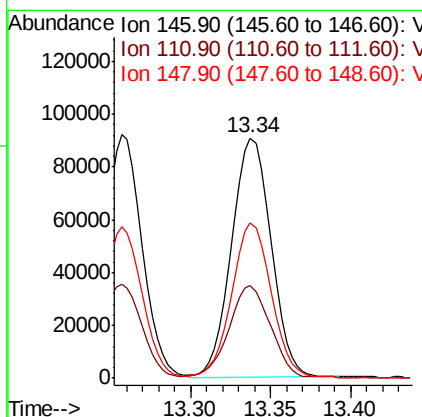
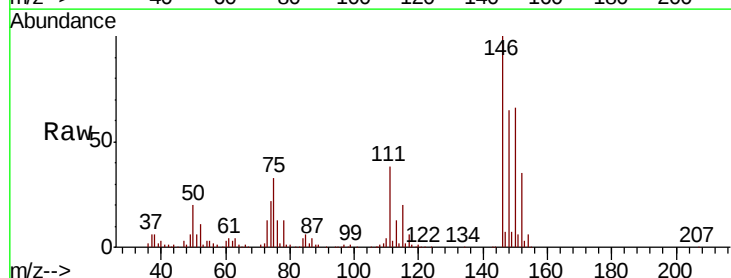
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

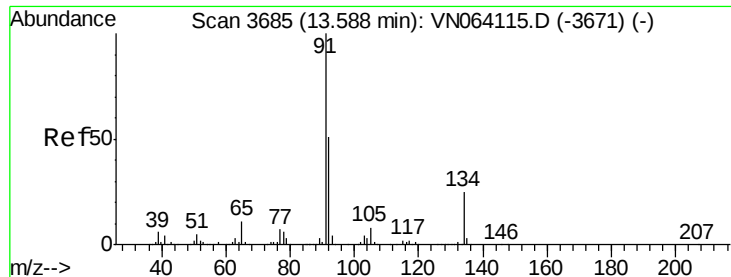
Tot Ion:146 Resp: 152867
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.7 59.1
 148 62.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.050 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion:146 Resp: 152672
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.3 57.9
 148 65.6 32.1 96.5

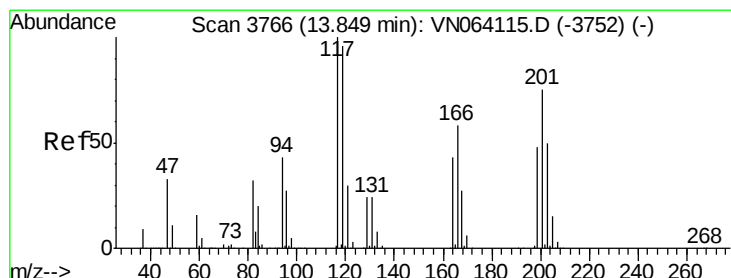
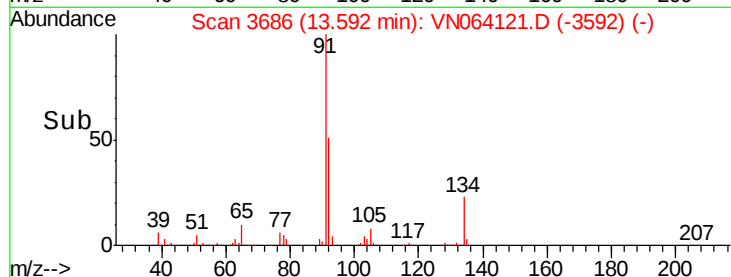
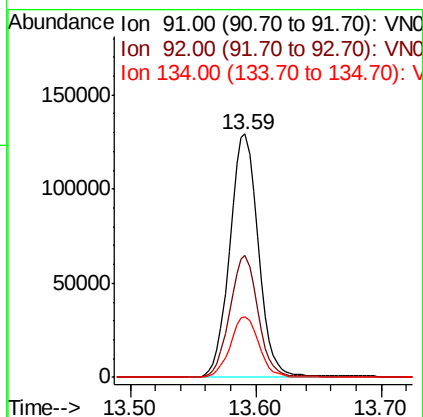
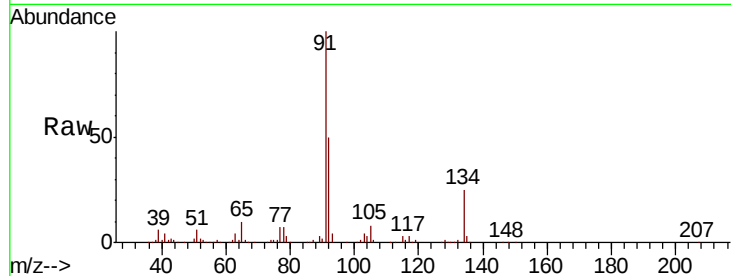




#89
n-Butylbenzene
Concen: 18.045 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

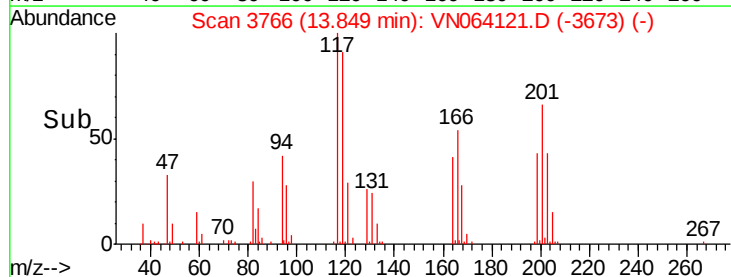
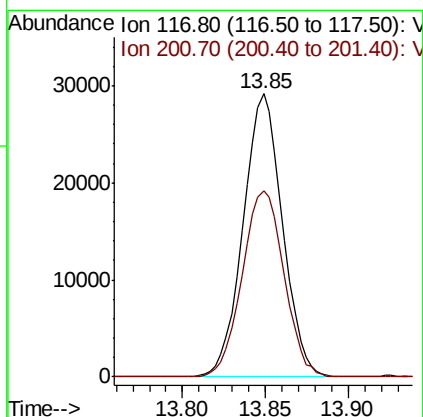
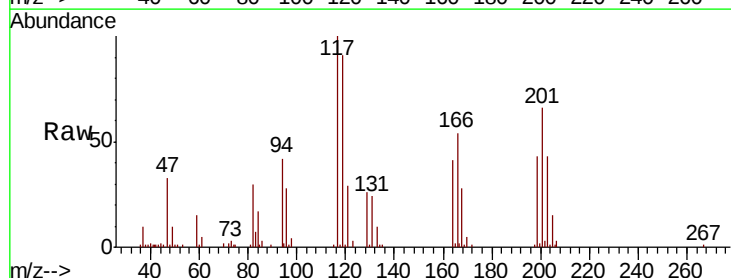
Instrument :
MSVOA_N
ClientSampled :
VN1014WBSD01

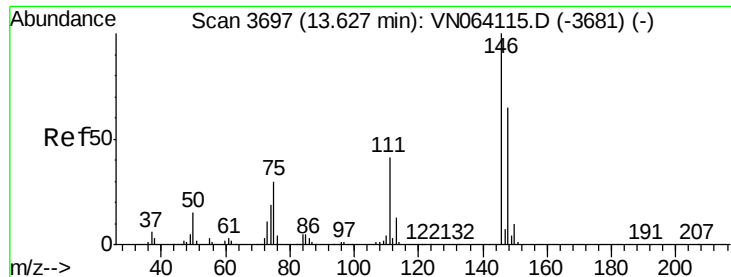
Tot Ion: 91 Resp: 205144
Ion Ratio Lower Upper
91 100
92 49.7 25.6 76.6
134 24.9 12.6 37.8



#90
Hexachloroethane
Concen: 18.462 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 117 Resp: 47936
Ion Ratio Lower Upper
117 100
201 70.0 37.4 112.2

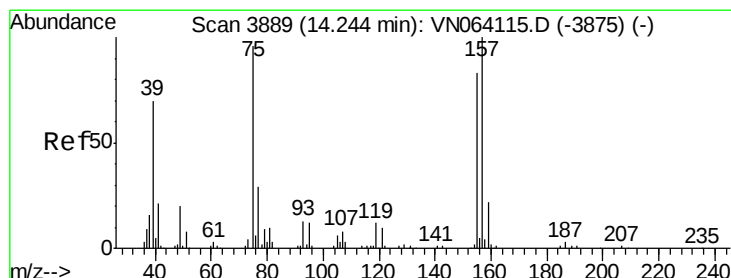
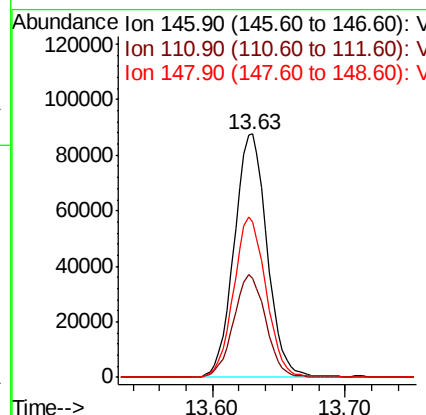
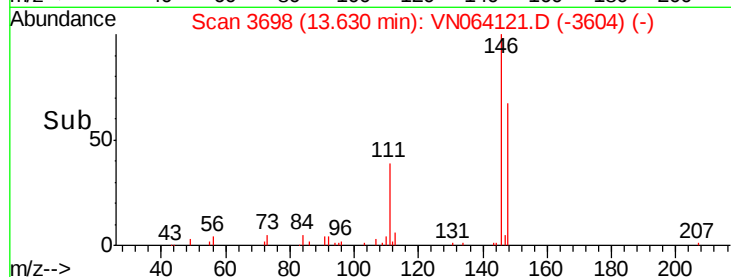
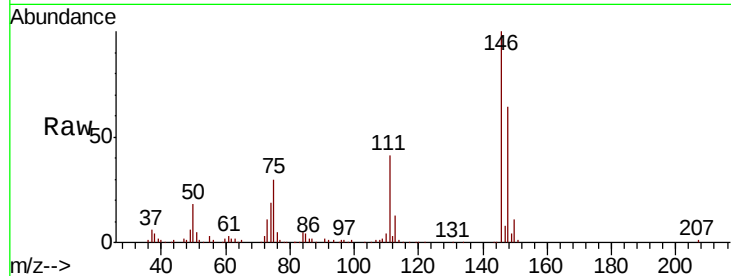




#91
 1,2-Dichlorobenzene
 Concen: 18.348 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

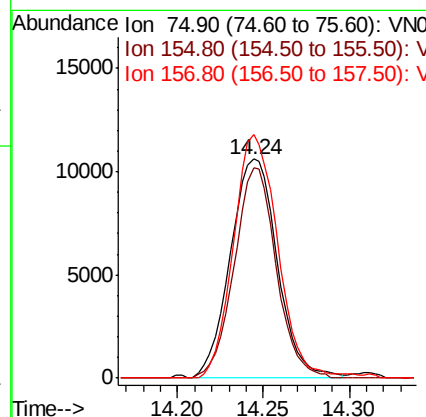
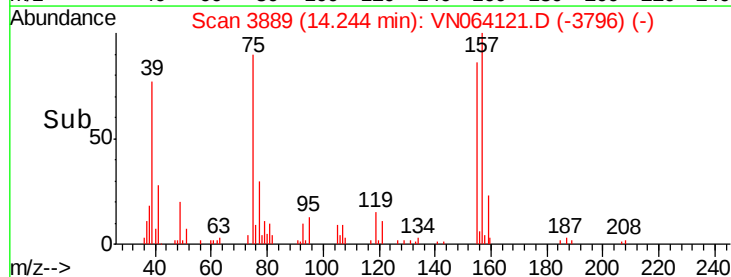
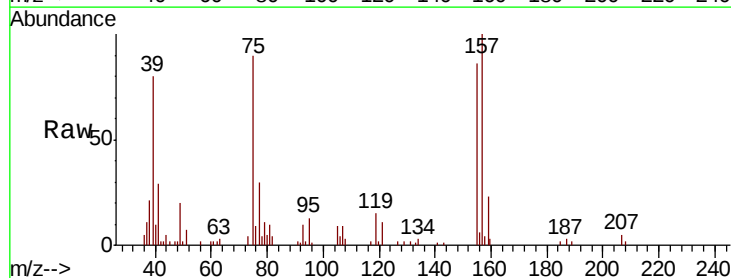
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

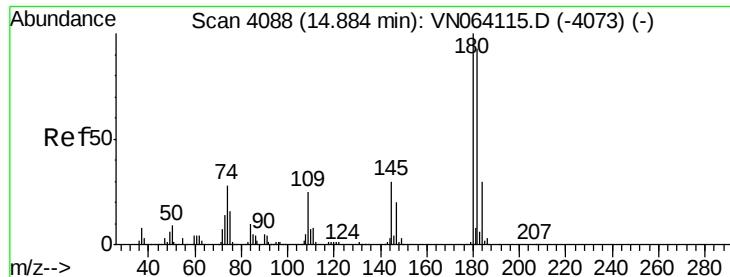
Tot Ion:146 Resp: 151020
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.3 60.8
 148 65.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.666 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 75 Resp: 20191
 Ion Ratio Lower Upper
 75 100
 155 85.7 40.8 122.2
 157 104.6 53.9 161.7

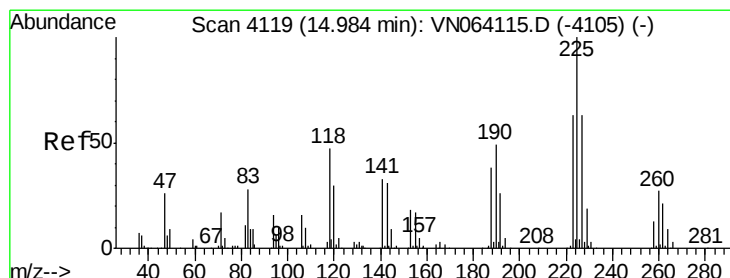
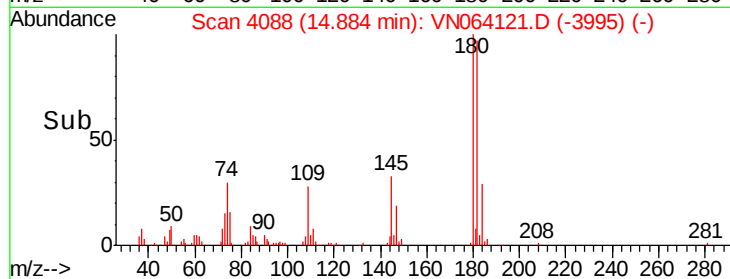
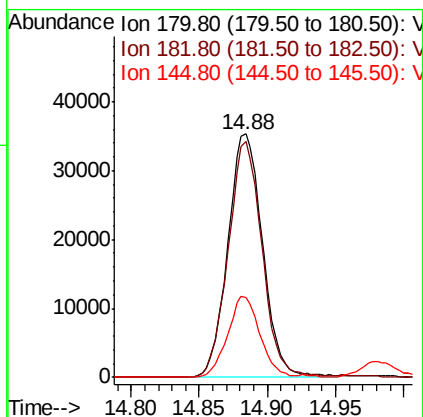
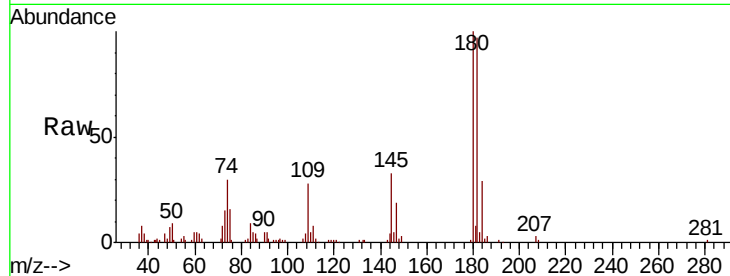




#93
 1,2,4-Trichlorobenzene
 Concen: 17.680 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

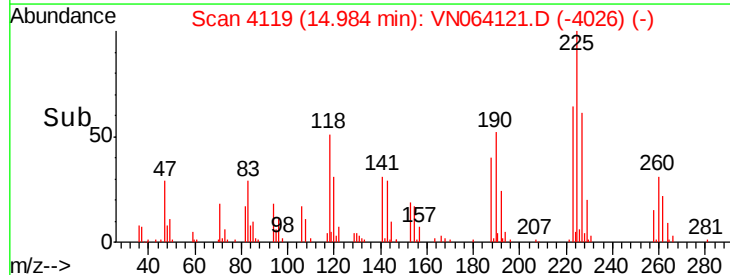
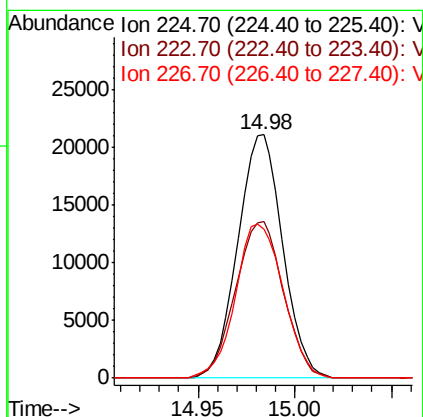
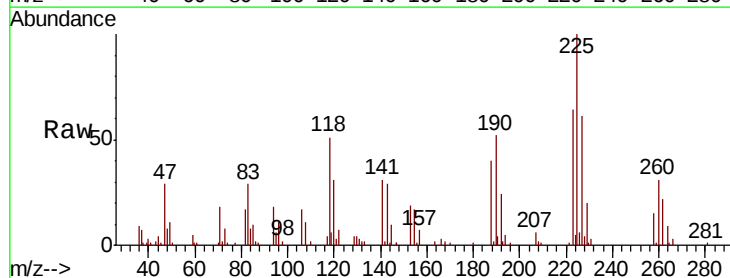
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

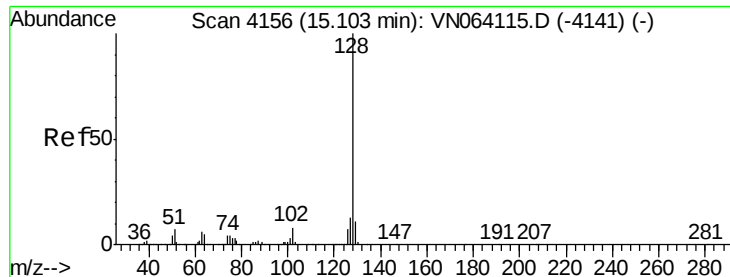
Tot Ion:180 Resp: 62585
 Ion Ratio Lower Upper
 180 100
 182 94.4 45.8 137.4
 145 30.8 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 17.394 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion:225 Resp: 34107
 Ion Ratio Lower Upper
 225 100
 223 68.7 32.3 96.9
 227 67.0 31.6 94.8





#95

Naphthalene

Concen: 17.425 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

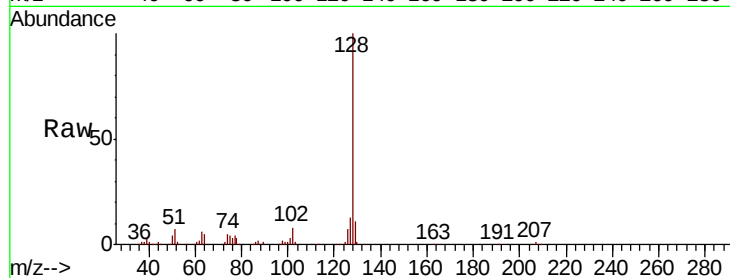
Tot Ion:128 Resp: 182196

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

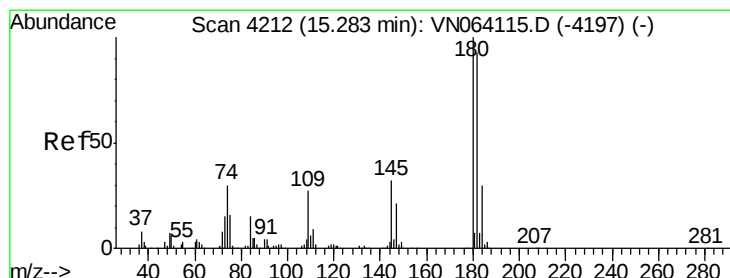
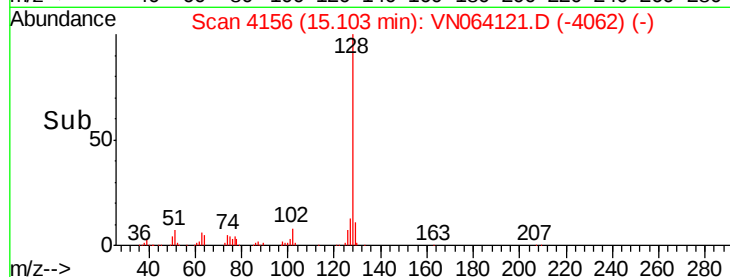
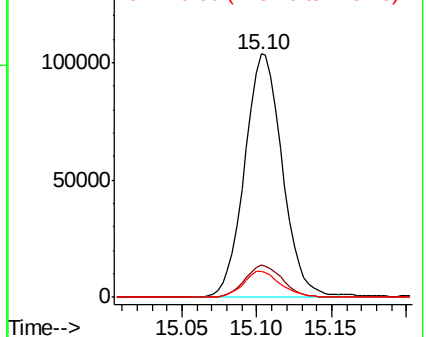
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.767 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

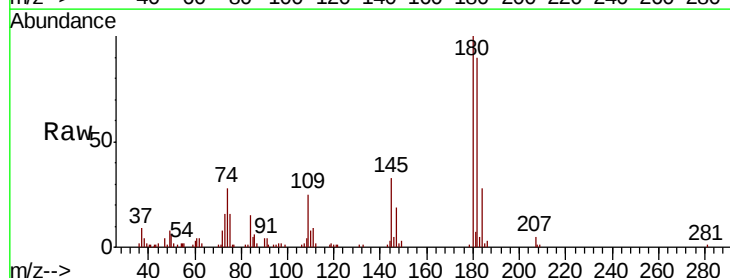
Tgt Ion:180 Resp: 63839

Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.8

145 32.8 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

