

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064658.D
 Acq On : 16 Nov 2020 13:15
 Operator : JC/MD
 Sample : VN1116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Quant Time: Nov 17 03:43:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	298711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	524647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	497555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	223584	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	258113	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.55	113	182422	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.06	98	654737	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.38	95	239388	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	68536	17.626	ug/l	99
3) Chloromethane	2.04	50	78356	16.590	ug/l	96
4) Vinyl Chloride	2.17	62	85504	17.629	ug/l	94
5) Bromomethane	2.54	94	56097	18.105	ug/l	94
6) Chloroethane	2.68	64	59782	19.252	ug/l	97
7) Trichlorofluoromethane	2.99	101	145526	20.377	ug/l	100
8) Diethyl Ether	3.38	74	50069	19.852	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	63772	18.804	ug/l	99
10) Methyl Iodide	3.91	142	71621	18.174	ug/l	99
11) Tert butyl alcohol	4.74	59	54090	94.267	ug/l	94
12) 1,1-Dichloroethene	3.70	96	57195	17.903	ug/l	98
13) Acrolein	3.57	56	19992	56.171	ug/l	98
14) Allyl chloride	4.28	41	104506	16.723	ug/l	98
15) Acrylonitrile	4.94	53	151725	94.976	ug/l	99
16) Acetone	3.78	43	169892	85.720	ug/l	97
17) Carbon Disulfide	4.01	76	158546	16.596	ug/l	95
18) Methyl Acetate	4.28	43	79225	20.333	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	204151	17.756	ug/l	95
20) Methylene Chloride	4.51	84	71553	18.196	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	62037	17.103	ug/l	95
22) Diisopropyl ether	5.91	45	228215	17.203	ug/l	99
23) Vinyl Acetate	5.85	43	913002	84.602	ug/l	100
24) 1,1-Dichloroethane	5.80	63	131639	18.058	ug/l	99
25) 2-Butanone	6.79	43	222362	88.054	ug/l	98
26) 2,2-Dichloropropane	6.78	77	121238	18.373	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	73567	17.503	ug/l	97
28) Bromochloromethane	7.15	49	61157	17.068	ug/l	98
29) Tetrahydrofuran	7.17	42	136164	87.886	ug/l	97
30) Chloroform	7.33	83	140476	18.333	ug/l	99
31) Cyclohexane	7.61	56	104007	16.444	ug/l	# 91
32) 1,1,1-Trichloroethane	7.53	97	128664	18.932	ug/l	99
36) 1,1-Dichloropropene	7.75	75	98788	17.824	ug/l	98
37) Ethyl Acetate	6.88	43	89247	16.386	ug/l	95
38) Carbon Tetrachloride	7.73	117	113313	19.129	ug/l	99

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 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	83299	16.765	ug/l	94
40) Benzene	8.00	78	286618	17.598	ug/l	98
41) Methacrylonitrile	7.13	41	43414	17.668	ug/l	91
42) 1,2-Dichloroethane	8.09	62	124858	18.997	ug/l	100
43) Isopropyl Acetate	8.13	43	161569	17.988	ug/l	100
44) Trichloroethene	8.80	130	72223	17.576	ug/l	97
45) 1,2-Dichloropropane	9.08	63	76725	17.655	ug/l	96
46) Dibromomethane	9.17	93	56553	19.769	ug/l	96
47) Bromodichloromethane	9.37	83	115188	18.726	ug/l	97
48) Methyl methacrylate	9.17	41	79345	17.506	ug/l	98
49) 1,4-Dioxane	9.16	88	23781	398.353	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	498623	95.191	ug/l	100
52) Toluene	10.13	92	178785	17.998	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	118648	18.194	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	125049	17.935	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	73534	18.981	ug/l	96
56) Ethyl methacrylate	10.40	69	92988	15.893	ug/l	99
57) 1,3-Dichloropropane	10.68	76	125783	18.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	255377	99.025	ug/l	96
59) 2-Hexanone	10.72	43	354422	85.667	ug/l	98
60) Dibromochloromethane	10.87	129	80907	18.653	ug/l	99
61) 1,2-Dibromoethane	10.98	107	74888	19.058	ug/l	99
64) Tetrachloroethene	10.60	164	72143	18.823	ug/l	95
65) Chlorobenzene	11.41	112	190773	17.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	73816	18.140	ug/l	95
67) Ethyl Benzene	11.49	91	333286	17.178	ug/l	100
68) m/p-Xylenes	11.60	106	245311	34.864	ug/l	99
69) o-Xylene	11.92	106	116354	17.113	ug/l	98
70) Styrene	11.94	104	195478	17.085	ug/l	99
71) Bromoform	12.10	173	53382	18.301	ug/l #	94
73) Isopropylbenzene	12.22	105	310814	17.490	ug/l	99
74) N-amyl acetate	12.05	43	126575	15.543	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	101089	18.520	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	141280	26.080	ug/l #	100
77) Bromobenzene	12.50	156	76280	17.581	ug/l	99
78) n-propylbenzene	12.57	91	367695	18.148	ug/l	98
79) 2-Chlorotoluene	12.65	91	228664	17.795	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	260115	17.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	31380	16.174	ug/l	85
82) 4-Chlorotoluene	12.75	91	237319	17.635	ug/l	100
83) tert-Butylbenzene	12.97	119	206708	18.053	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	263362	17.870	ug/l	100
85) sec-Butylbenzene	13.15	105	271791	18.742	ug/l	100
86) p-Isopropyltoluene	13.26	119	240692	18.453	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	130027	17.337	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	134095	17.301	ug/l	99
89) n-Butylbenzene	13.59	91	202250	18.034	ug/l	99
90) Hexachloroethane	13.85	117	48973	19.463	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	135970	18.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22211	20.438	ug/l	95

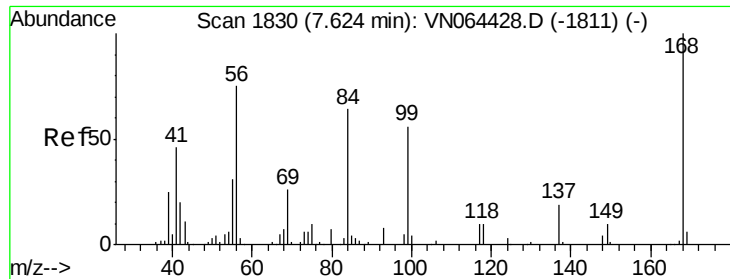
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52759	16.586	ug/l	97
94) Hexachlorobutadiene	14.98	225	30475	20.748	ug/l	99
95) Naphthalene	15.10	128	169440	16.439	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	55993	18.012	ug/l	99

(#) = 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: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

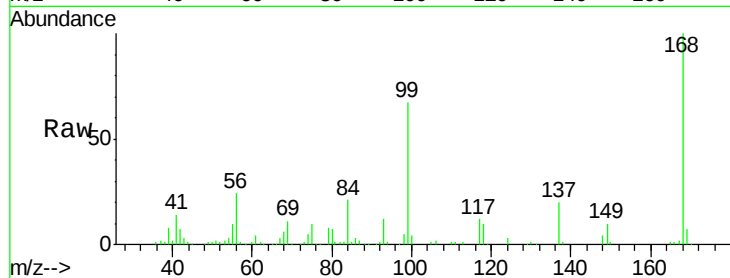
VN1116WBSD01

Tot Ion:168 Resp: 298711

Ion Ratio Lower Upper

168 100

99 66.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

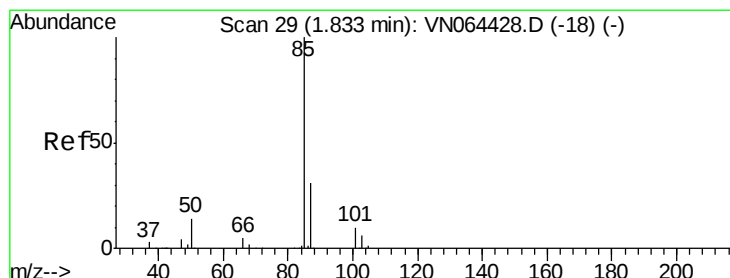
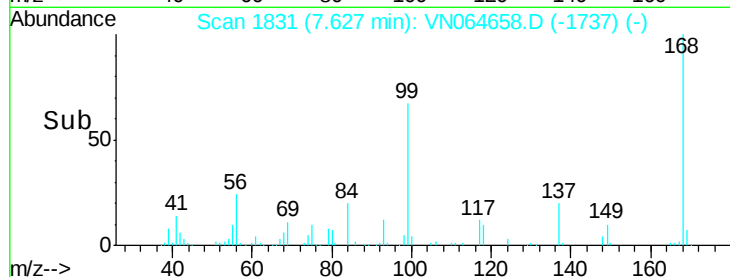
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.626 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064658.D

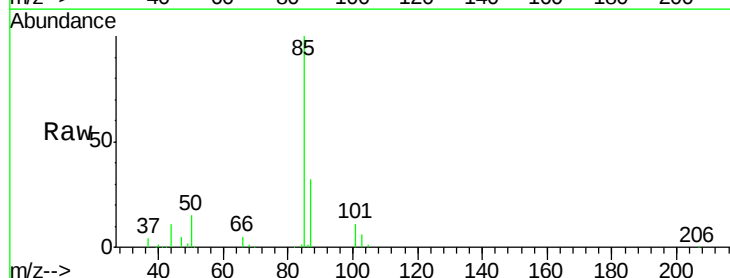
Acq: 16 Nov 2020 13:15

Tgt Ion: 85 Resp: 68536

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

60000

50000

40000

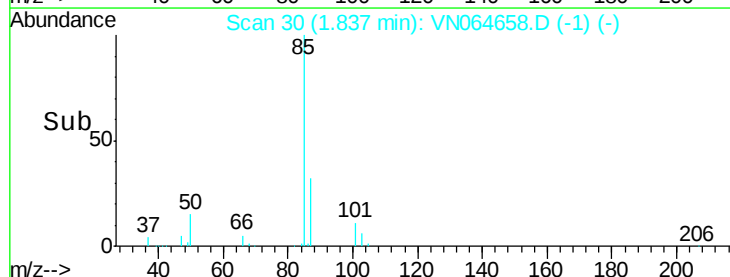
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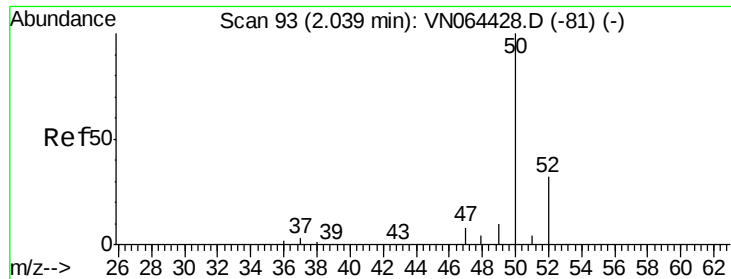
20000

10000

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Time-->





#3

Chloromethane

Concen: 16.590 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

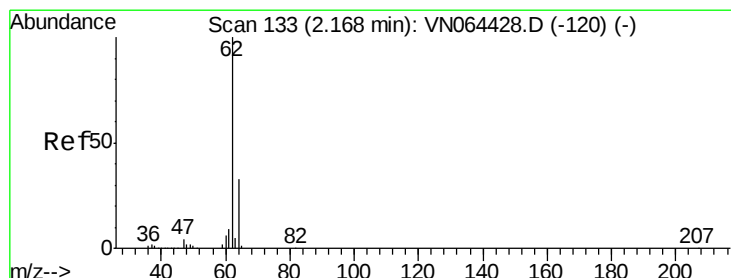
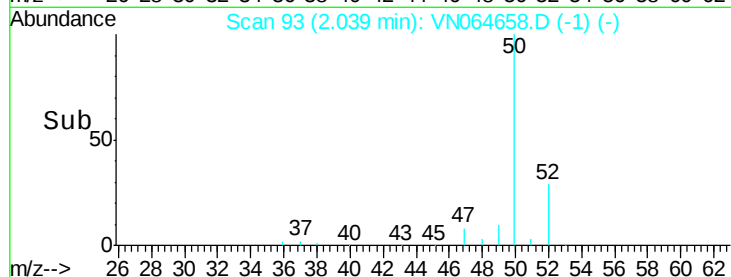
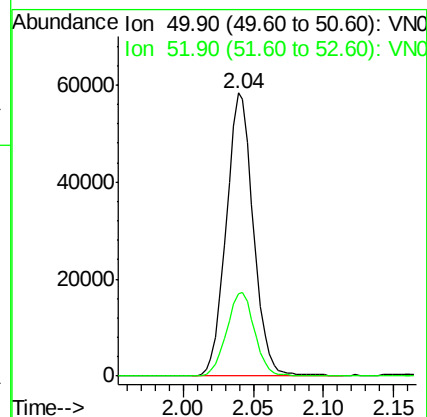
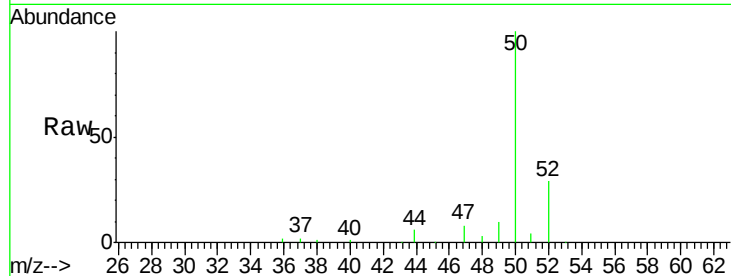
VN1116WBSD01

Tot Ion: 50 Resp: 78356

Ion Ratio Lower Upper

50 100

52 29.2 25.3 37.9



#4

Vinyl Chloride

Concen: 17.629 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064658.D

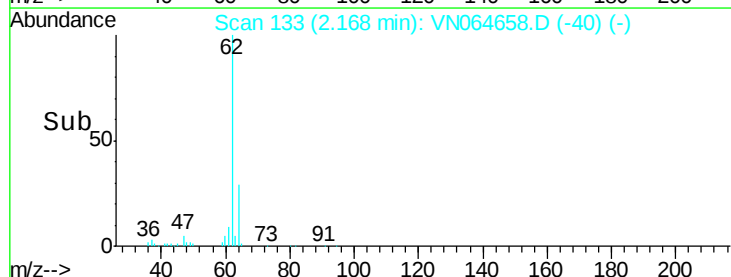
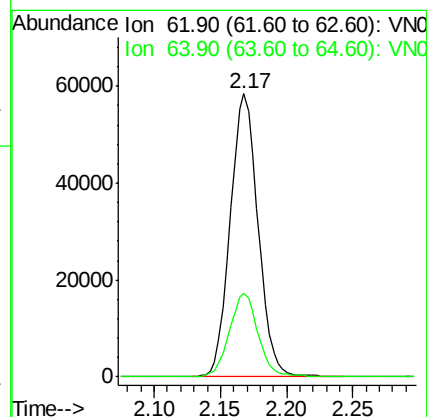
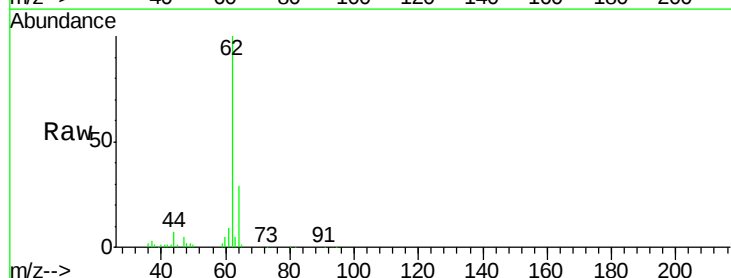
Acq: 16 Nov 2020 13:15

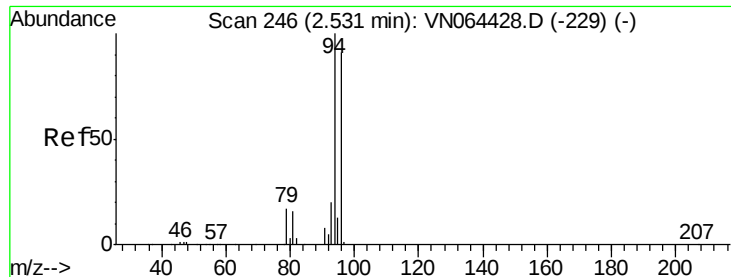
Tgt Ion: 62 Resp: 85504

Ion Ratio Lower Upper

62 100

64 29.4 26.3 39.5





#5

Bromomethane

Concen: 18.105 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

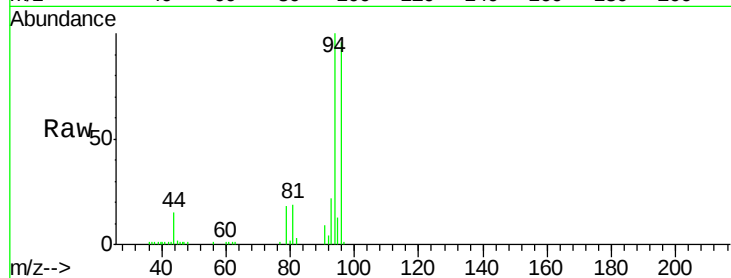
VN1116WBSD01

Tot Ion: 94 Resp: 56097

Ion Ratio Lower Upper

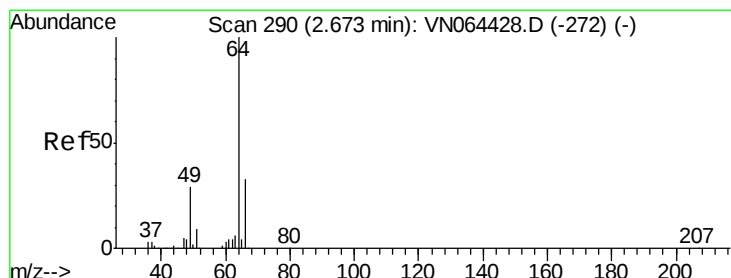
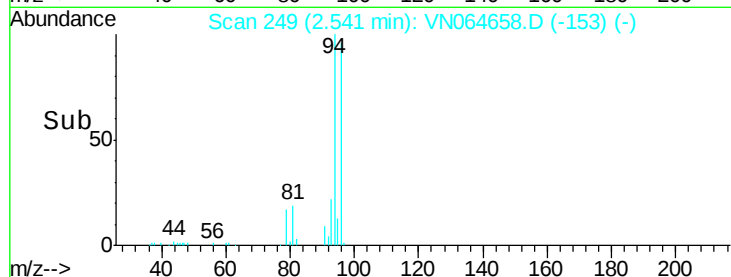
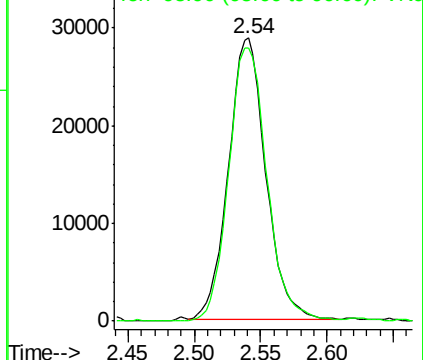
94 100

96 97.2 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.252 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064658.D

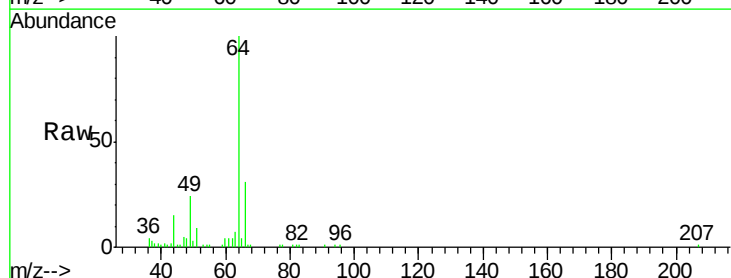
Acq: 16 Nov 2020 13:15

Tgt Ion: 64 Resp: 59782

Ion Ratio Lower Upper

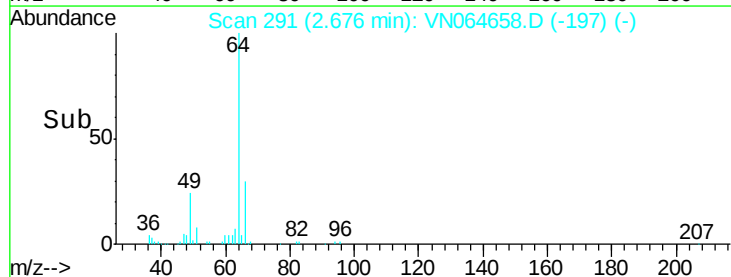
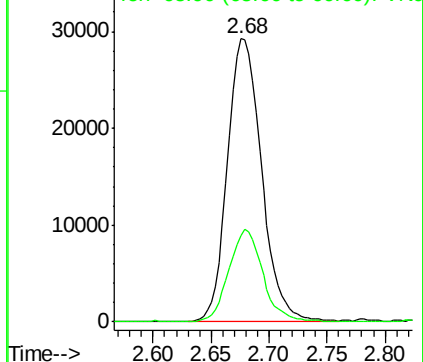
64 100

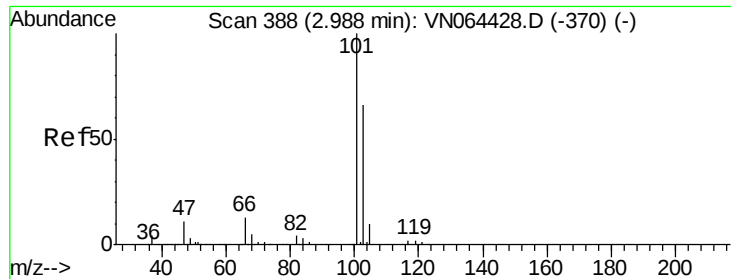
66 30.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



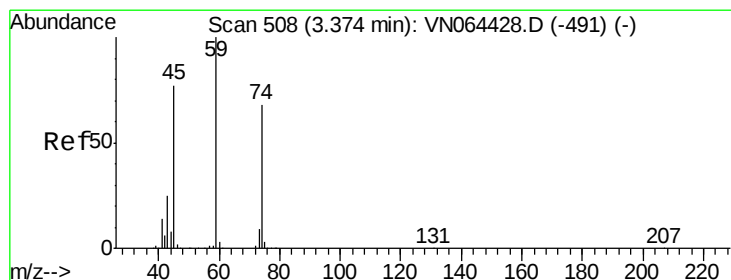
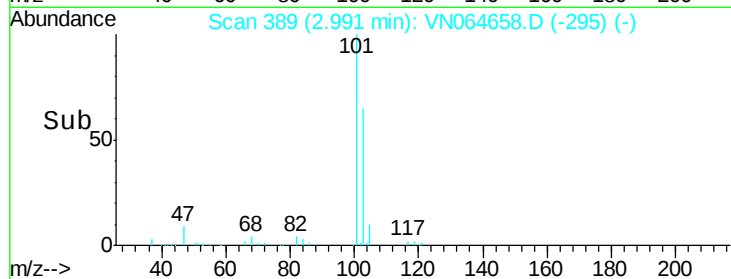
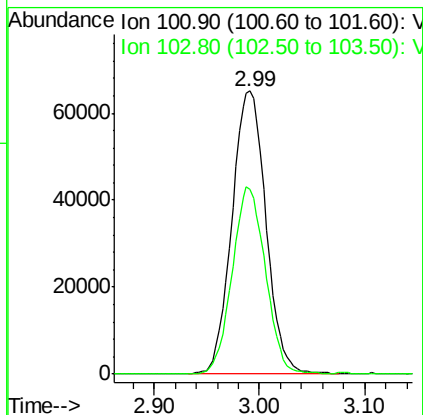
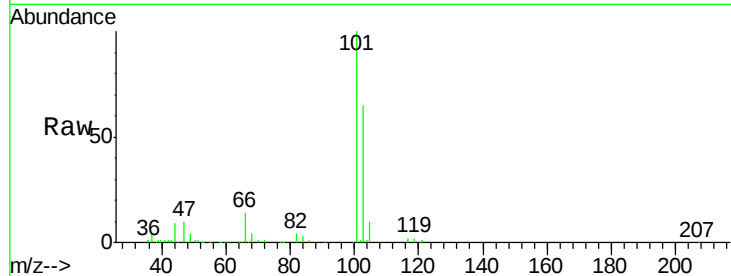


#7

Trichlorofluoromethane
 Concen: 20.377 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Instrument :
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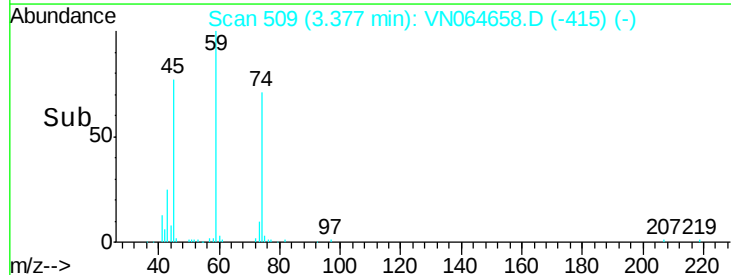
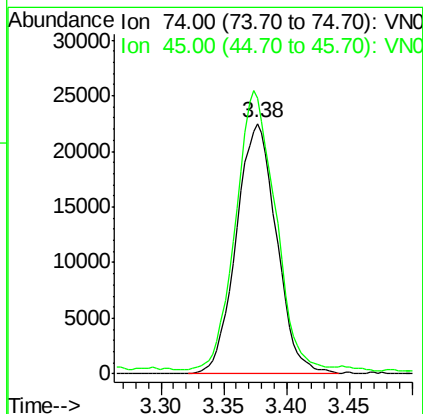
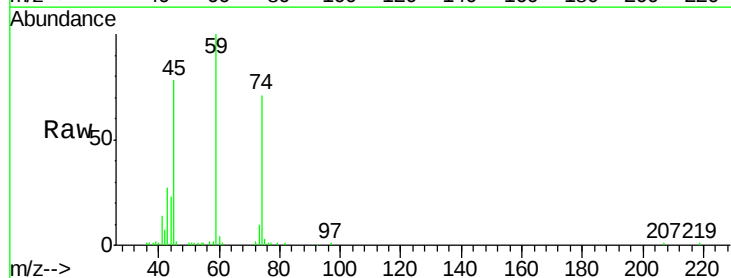
Tot Ion:101 Resp: 145526
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.4 78.6

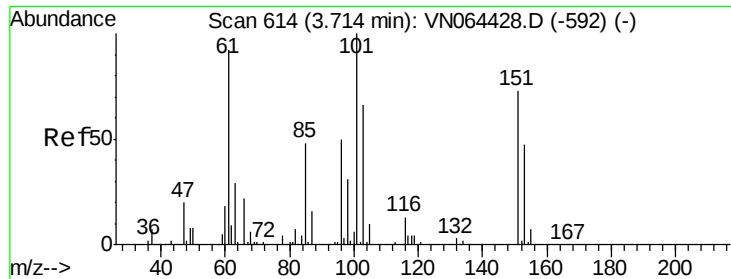


#8

Diethyl Ether
 Concen: 19.852 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 74 Resp: 50069
 Ion Ratio Lower Upper
 74 100
 45 109.4 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.804 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

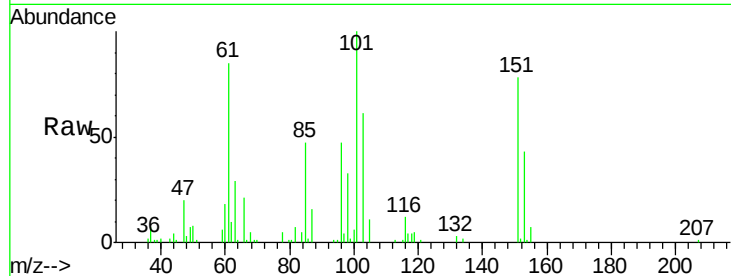
Tot Ion:101 Resp: 63772

Ion Ratio Lower Upper

101 100

85 48.3 38.6 57.8

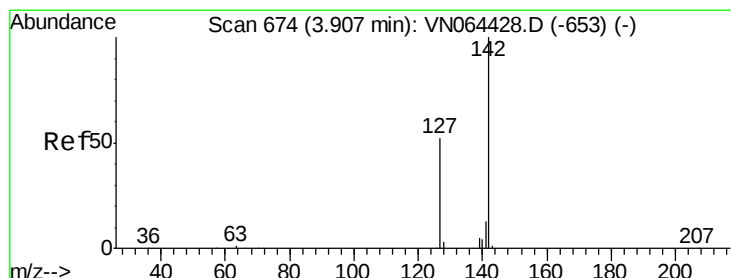
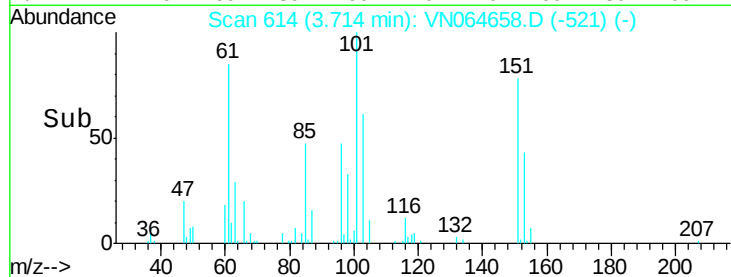
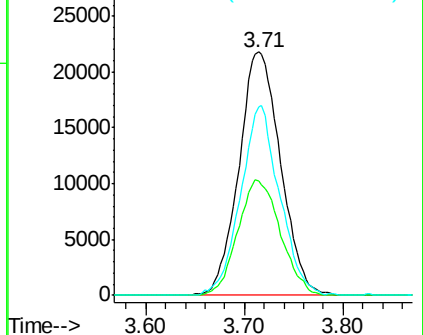
151 72.9 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.174 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

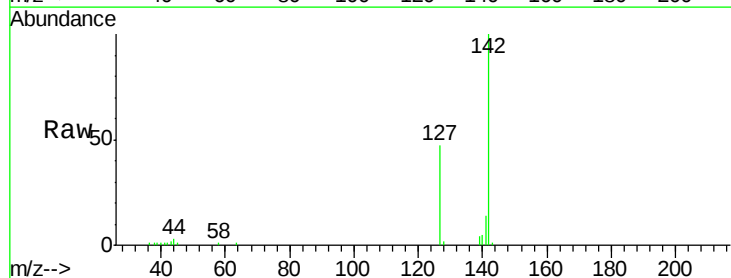
Tgt Ion:142 Resp: 71621

Ion Ratio Lower Upper

142 100

127 51.8 41.8 62.8

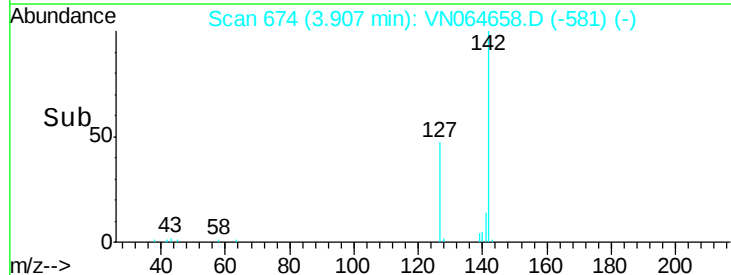
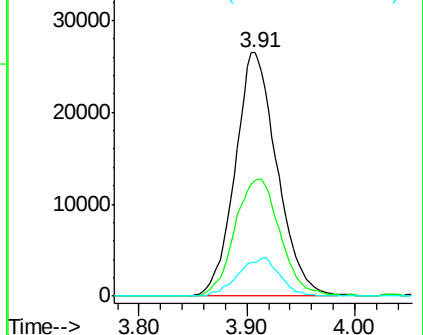
141 15.6 11.4 17.2

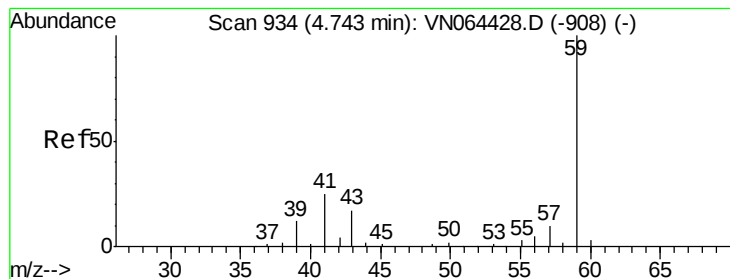


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.267 ug/l

RT: 4.74 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

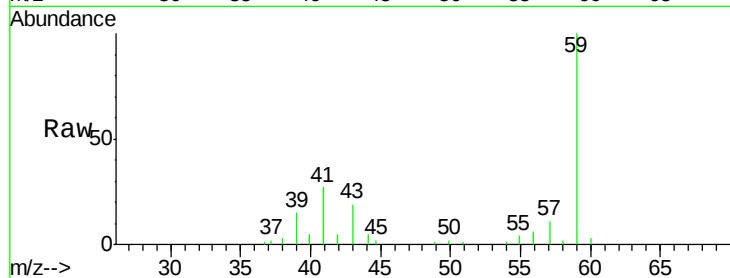
VN1116WBSD01

Tot Ion: 59 Resp: 54090

Ion Ratio Lower Upper

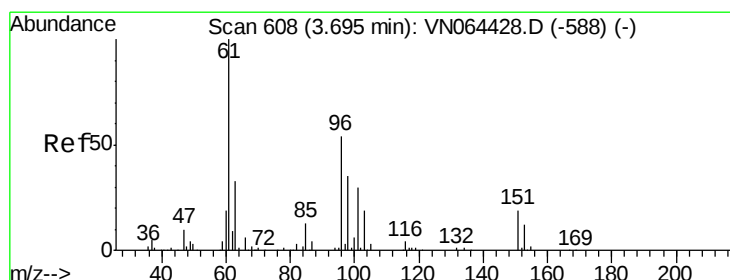
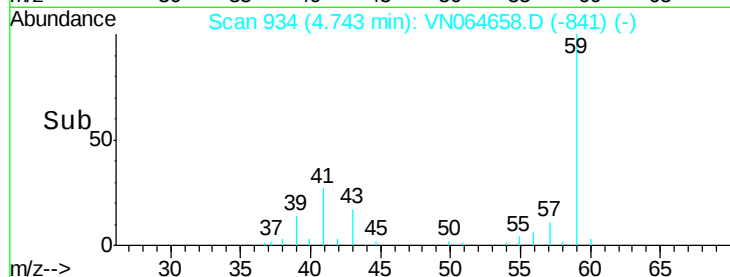
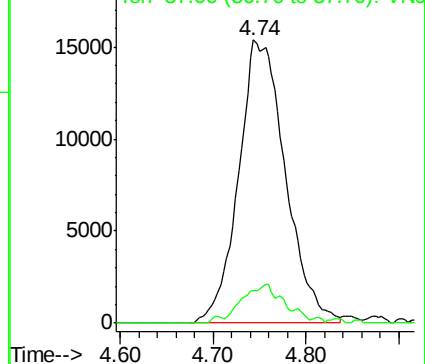
59 100

57 9.0 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.903 ug/l

RT: 3.70 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

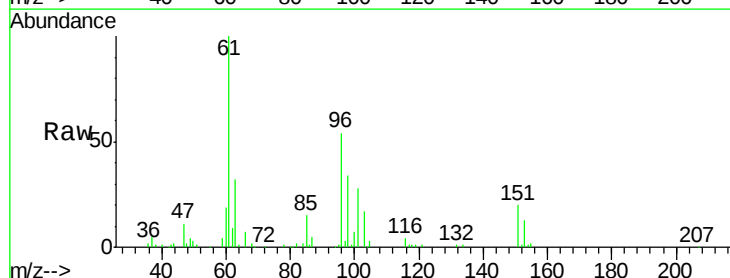
Tgt Ion: 96 Resp: 57195

Ion Ratio Lower Upper

96 100

61 184.5 149.5 224.3

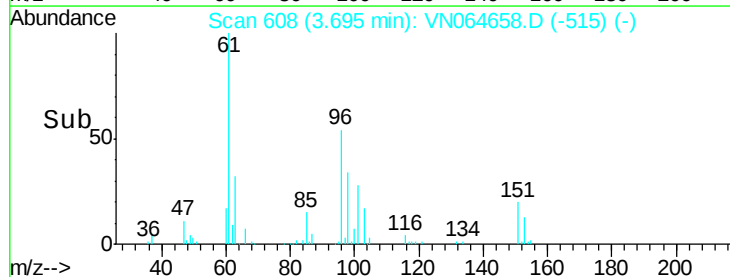
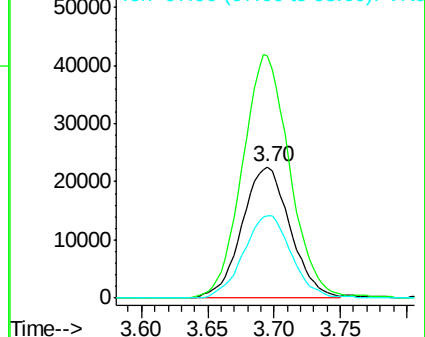
98 63.1 52.4 78.6

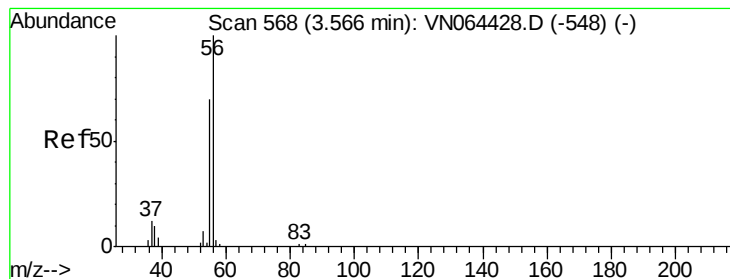


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 56.171 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

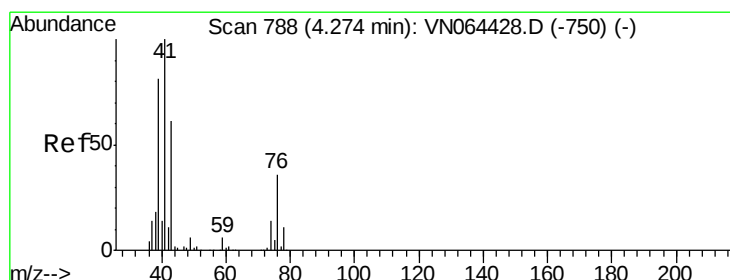
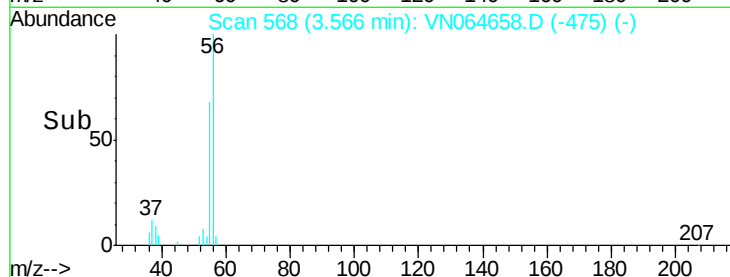
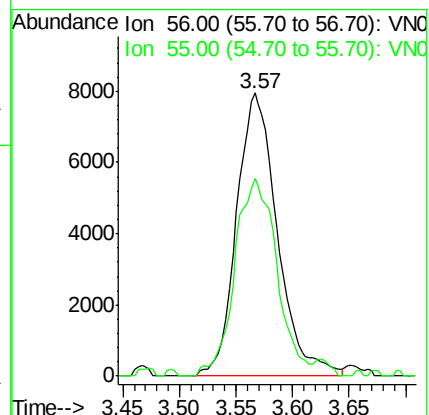
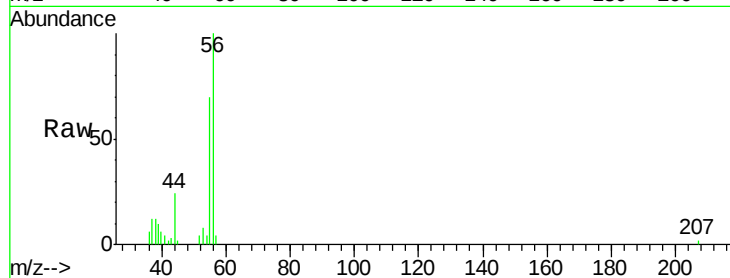
VN1116WBSD01

Tot Ion: 56 Resp: 19992

Ion Ratio Lower Upper

56 100

55 71.7 55.9 83.9



#14

Allyl chloride

Concen: 16.723 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

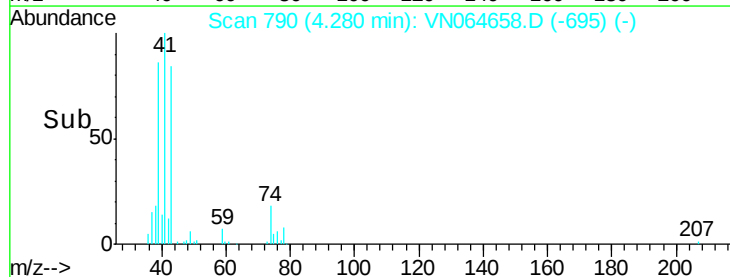
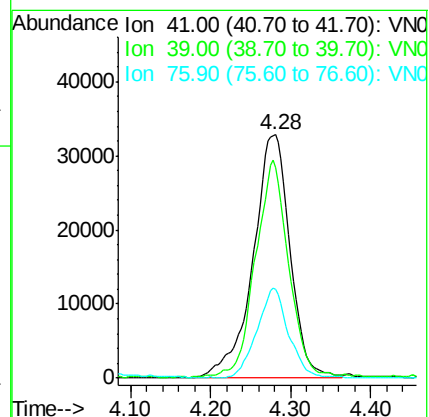
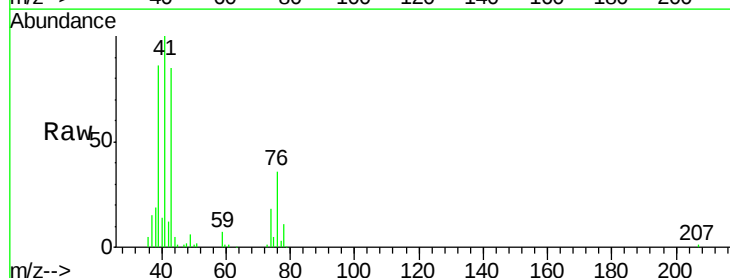
Tgt Ion: 41 Resp: 104506

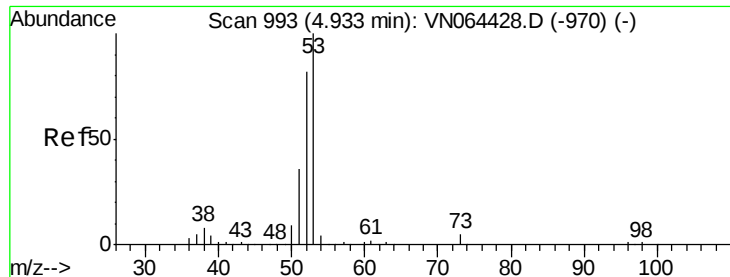
Ion Ratio Lower Upper

41 100

39 80.1 61.8 92.8

76 31.4 25.4 38.0





#15

Acrylonitrile

Concen: 94.976 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

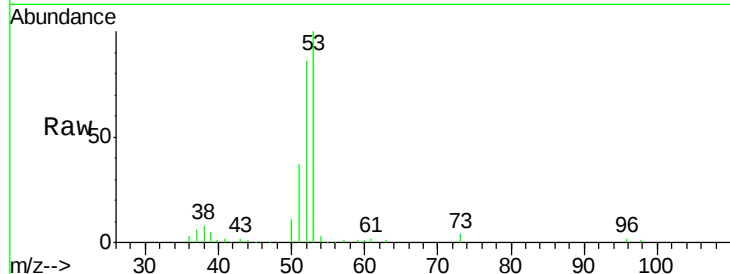
Tot Ion: 53 Resp: 151725

Ion Ratio Lower Upper

53 100

52 83.1 65.6 98.4

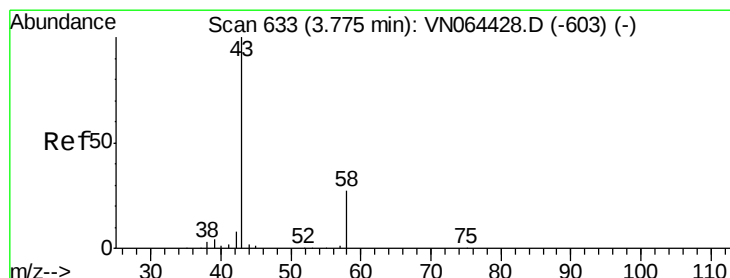
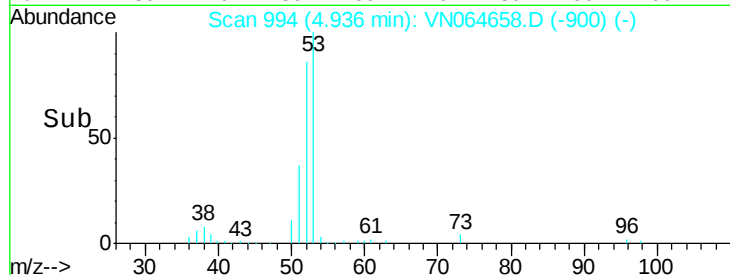
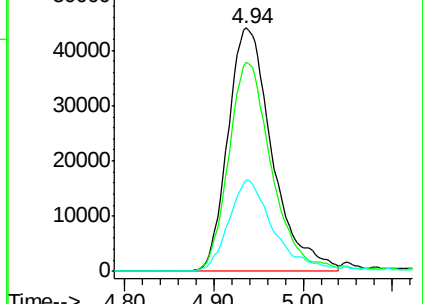
51 37.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064658.D (-900) (-)

Ion 52.00 (51.70 to 52.70): VN064658.D (-900) (-)

Ion 51.00 (50.70 to 51.70): VN064658.D (-900) (-)



#16

Acetone

Concen: 85.720 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064658.D

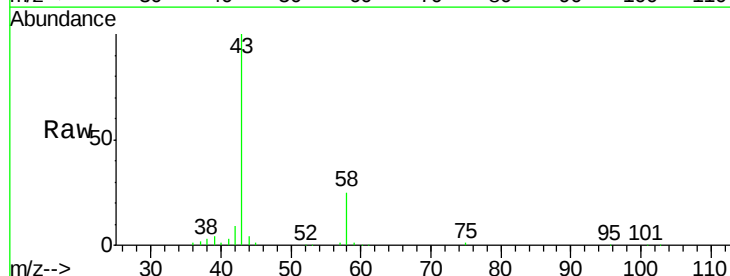
Acq: 16 Nov 2020 13:15

Tgt Ion: 43 Resp: 169892

Ion Ratio Lower Upper

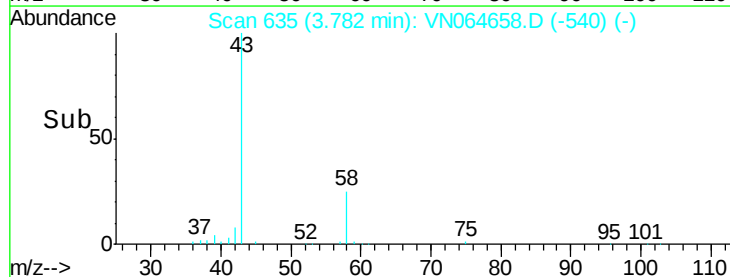
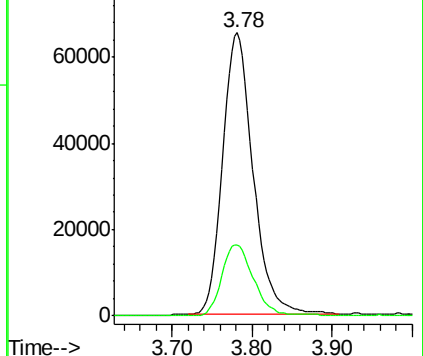
43 100

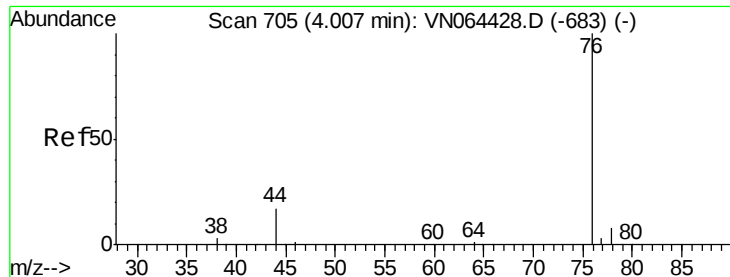
58 25.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064658.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064658.D (-540) (-)

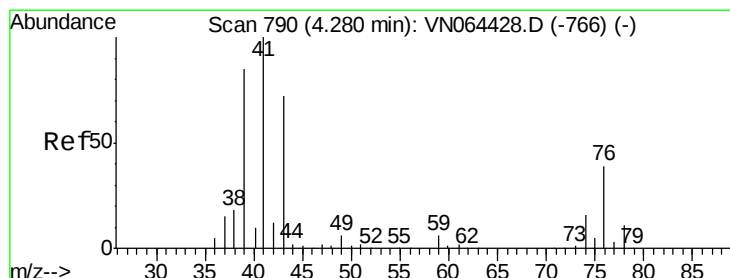
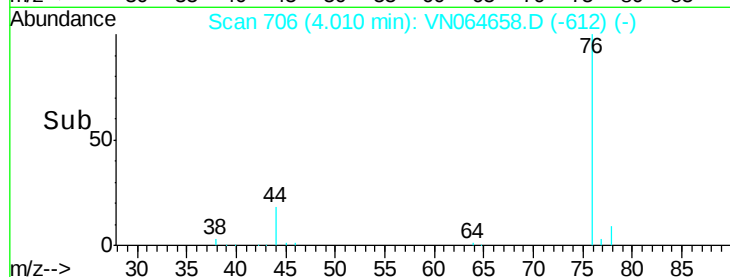
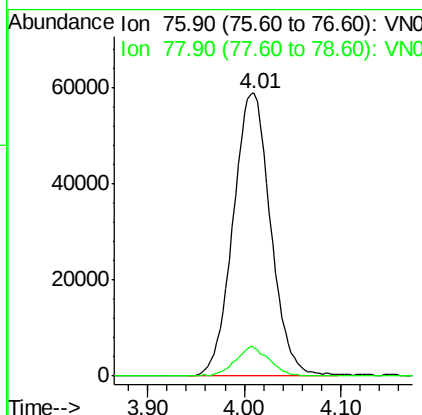
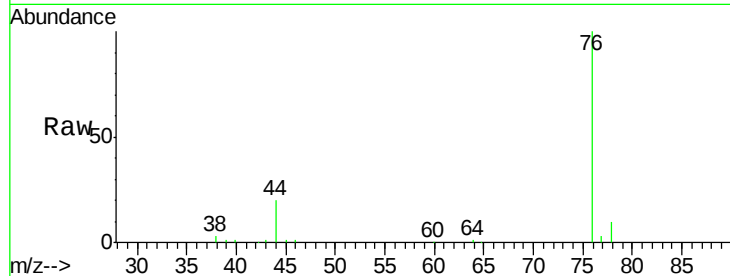




#17
Carbon Disulfide
Concen: 16.596 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

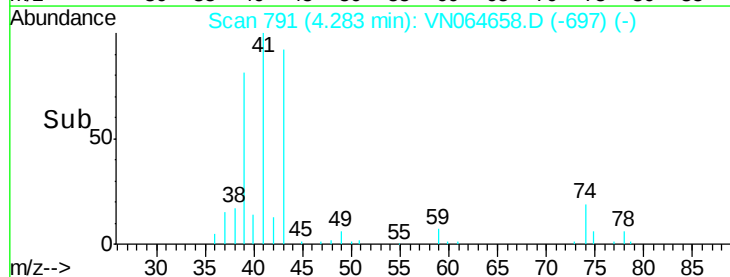
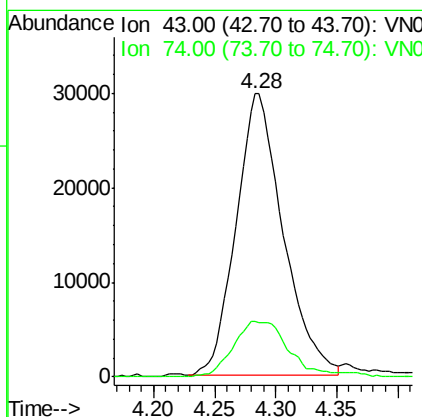
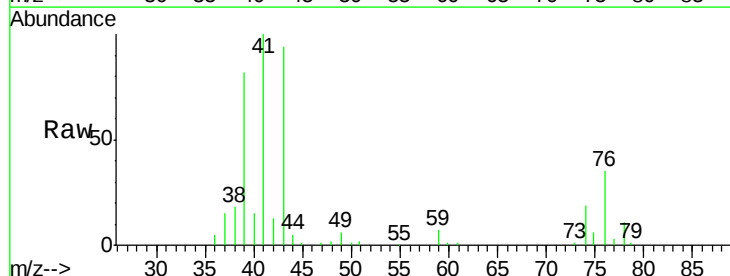
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

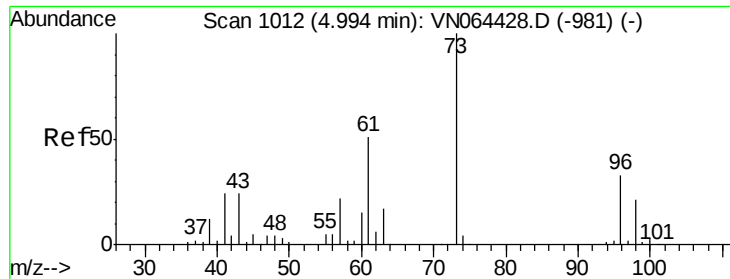
Tot Ion: 76 Resp: 158546
Ion Ratio Lower Upper
76 100
78 10.2 6.8 10.2



#18
Methyl Acetate
Concen: 20.333 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 43 Resp: 79225
Ion Ratio Lower Upper
43 100
74 22.9 17.0 25.4

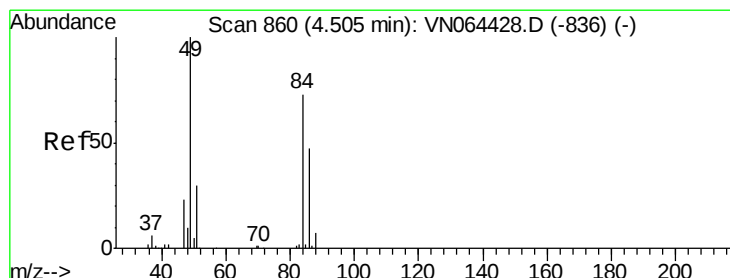
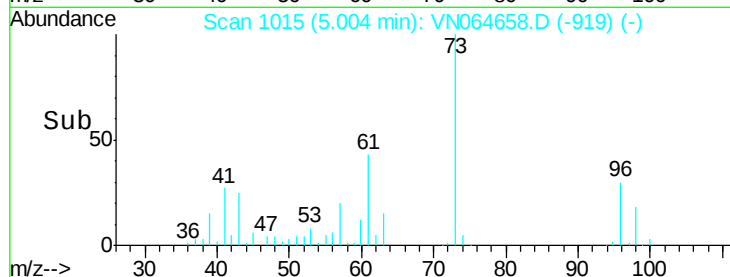
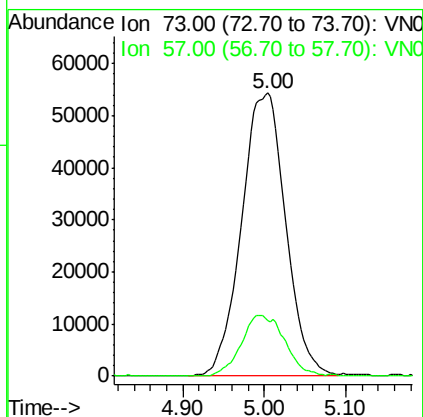
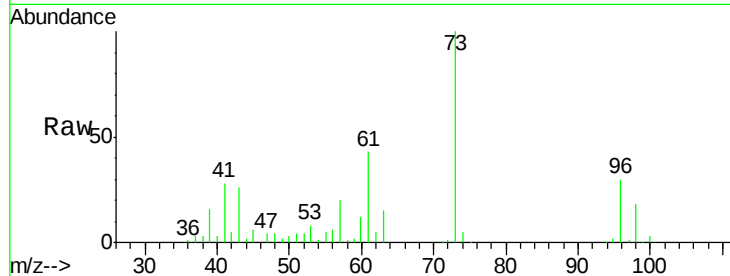




#19
Methvl tert-butvl Ether
Concen: 17.756 ug/l
RT: 5.00 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

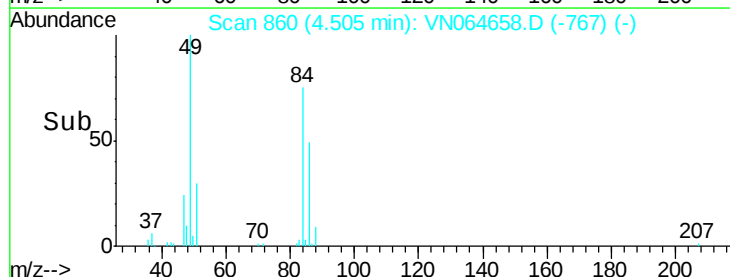
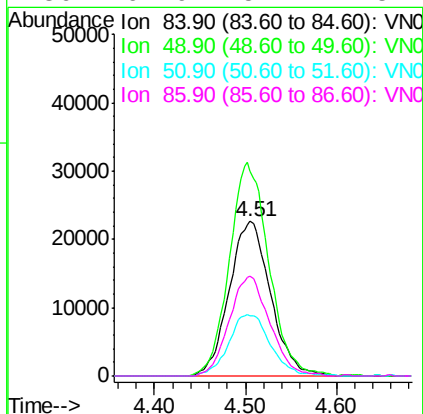
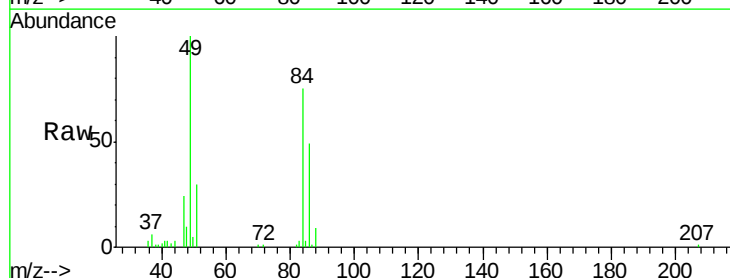
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

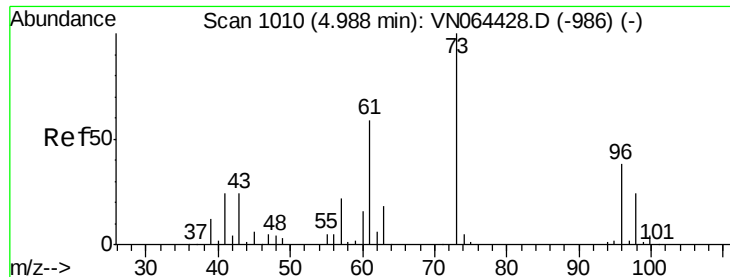
Tot Ion: 73 Resp: 204151
Ion Ratio Lower Upper
73 100
57 19.5 17.7 26.5



#20
Methylene Chloride
Concen: 18.196 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 84 Resp: 71553
Ion Ratio Lower Upper
84 100
49 132.5 110.1 165.1
51 39.3 33.6 50.4
86 64.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.103 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

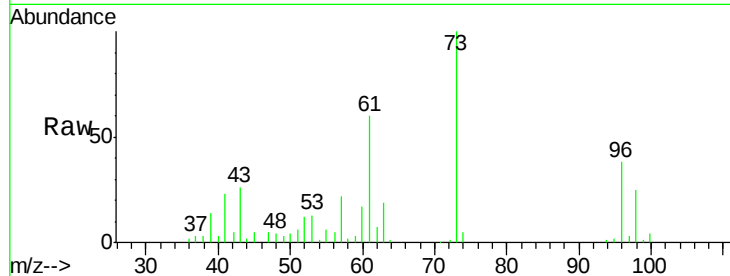
Tot Ion: 96 Resp: 62037

Ion Ratio Lower Upper

96 100

61 158.9 122.4 183.6

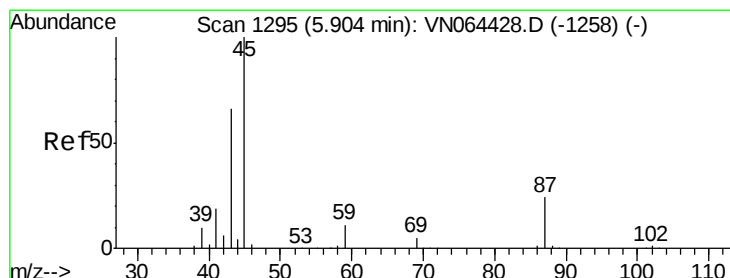
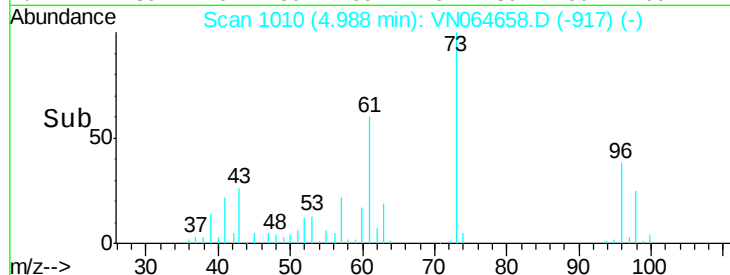
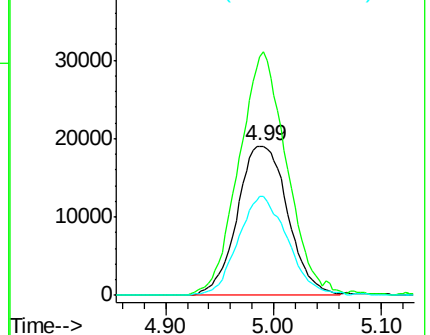
98 66.5 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-986) (-)



#22

Diisopropyl ether

Concen: 17.203 ug/l

RT: 5.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Tgt Ion: 45 Resp: 228215

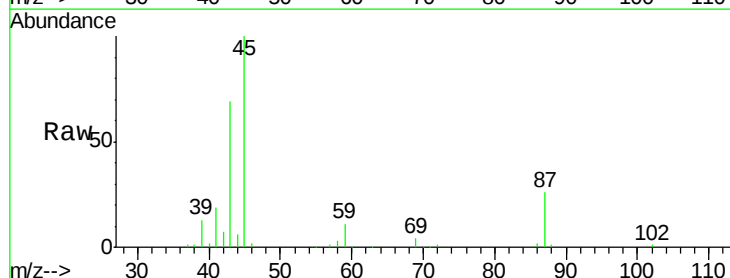
Ion Ratio Lower Upper

45 100

43 66.5 53.2 79.8

87 26.2 19.9 29.9

59 10.5 8.6 13.0

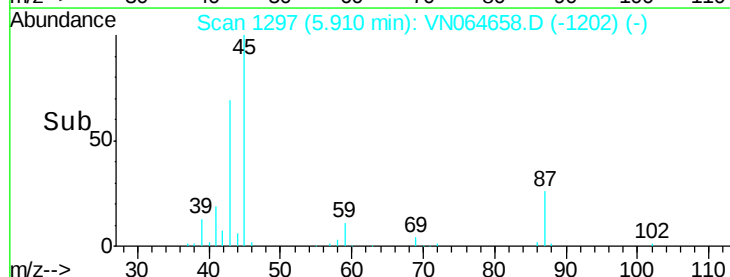
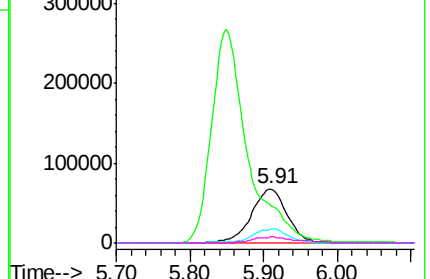


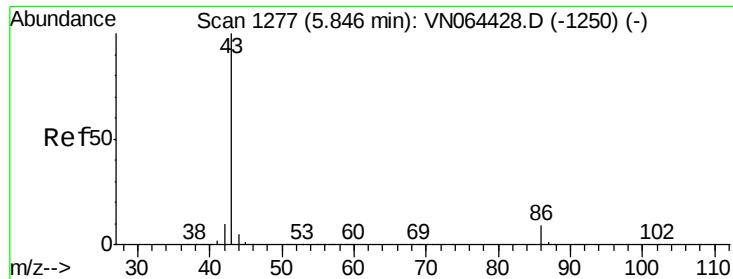
Abundance Ion 45.00 (44.70 to 45.70): VN064428.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN064428.D (-1258) (-)

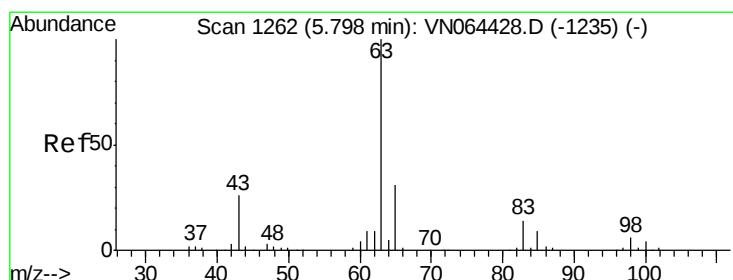
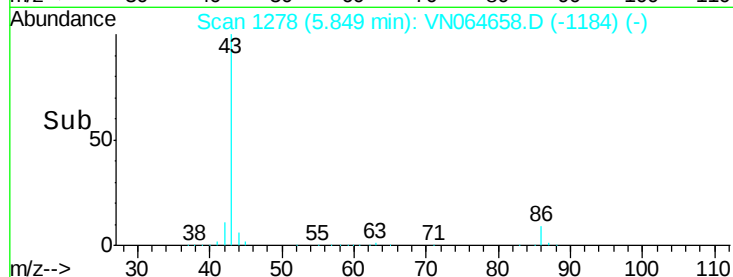
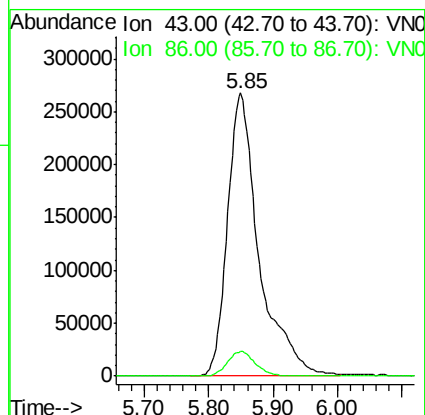
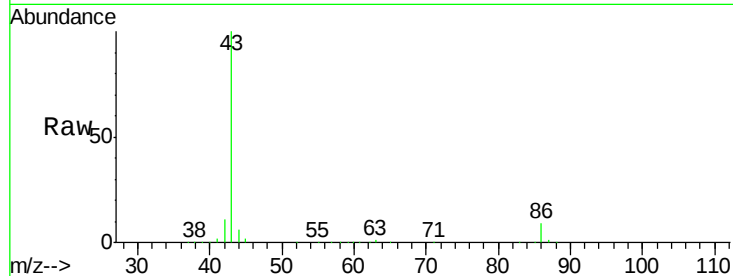




#23
 Vinyl Acetate
 Concen: 84.602 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

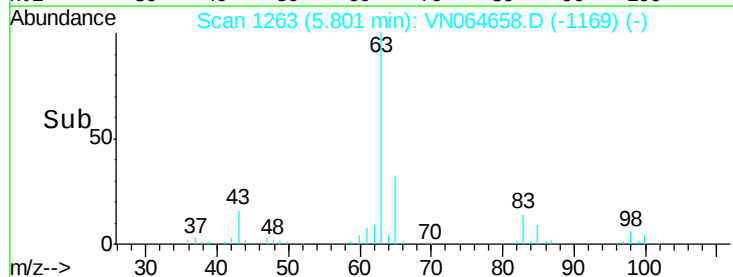
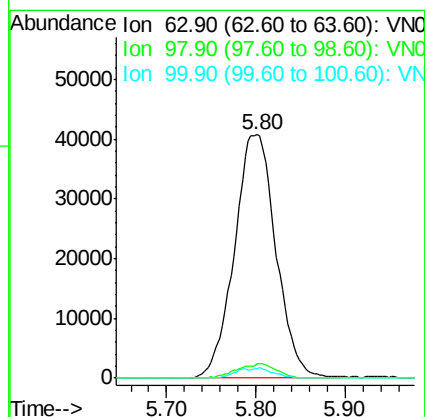
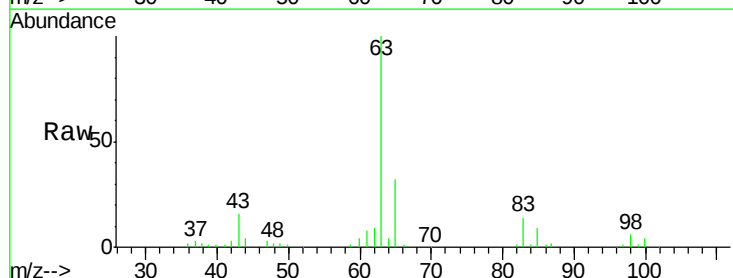
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

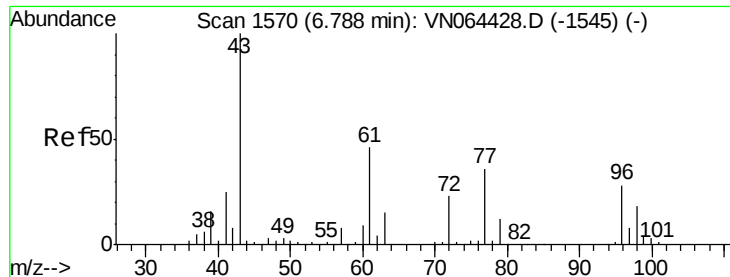
Tot Ion: 43 Resp: 913002
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 18.058 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 63 Resp: 131639
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 88.054 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

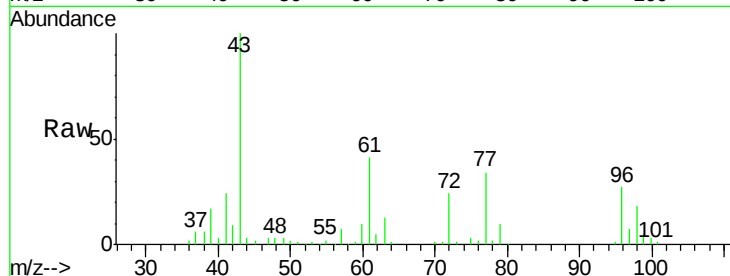
VN1116WBSD01

Tot Ion: 43 Resp: 222362

Ion Ratio Lower Upper

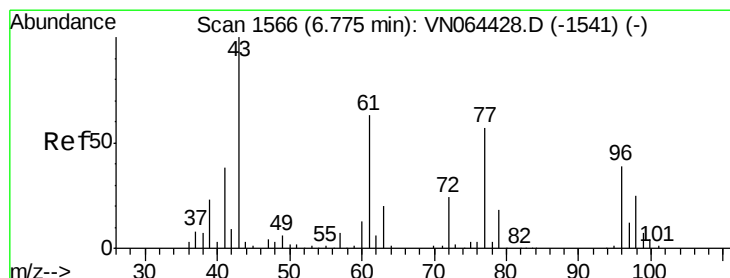
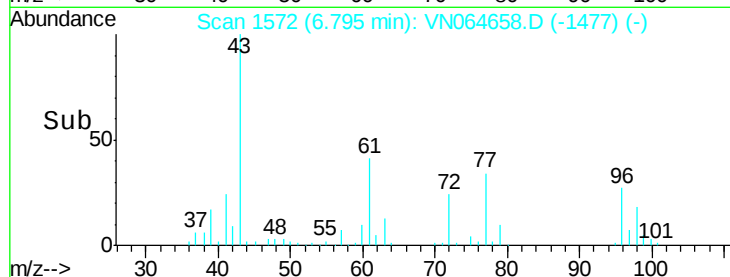
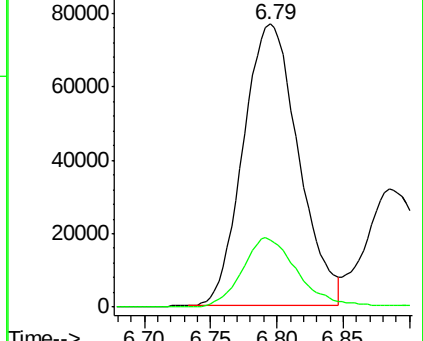
43 100

72 23.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.373 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064658.D

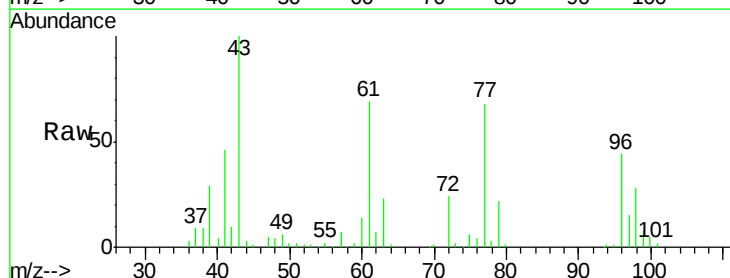
Acq: 16 Nov 2020 13:15

Tgt Ion: 77 Resp: 121238

Ion Ratio Lower Upper

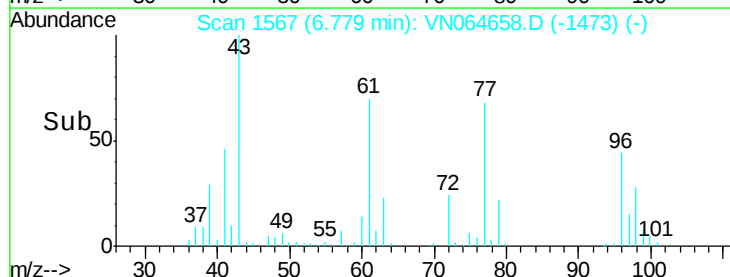
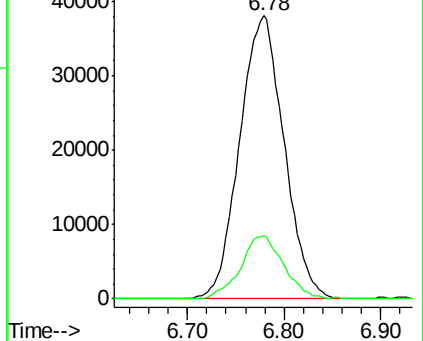
77 100

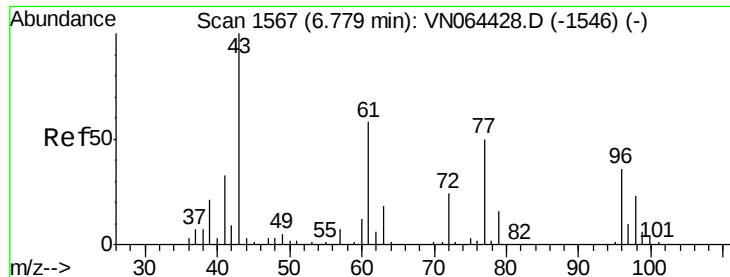
97 21.5 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.503 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

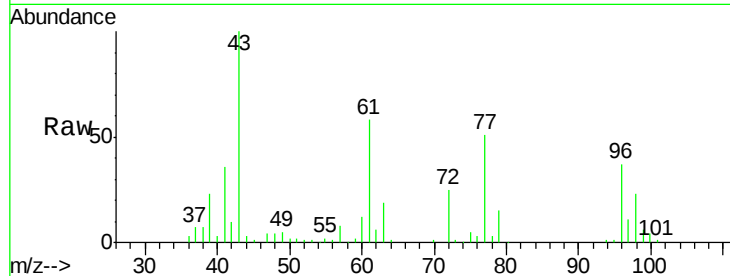
Tot Ion: 96 Resp: 73567

Ion Ratio Lower Upper

96 100

61 159.5 0.0 329.6

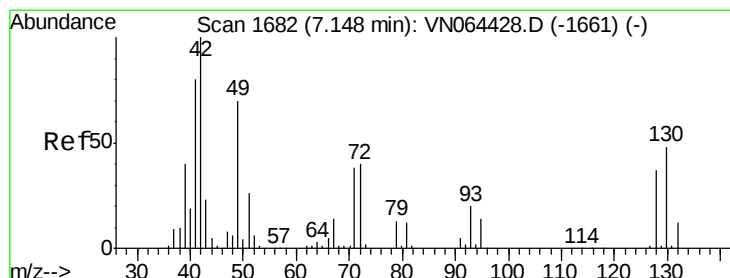
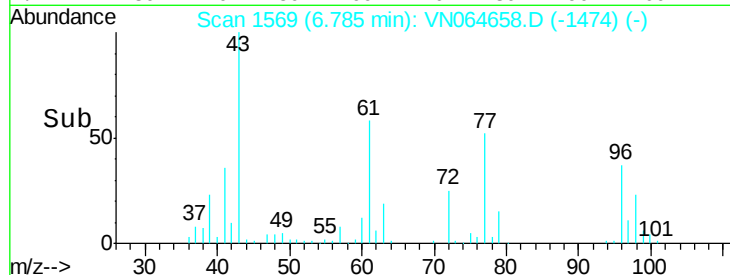
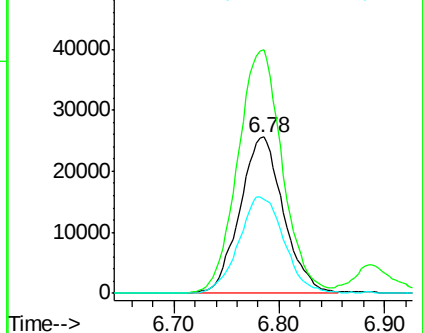
98 64.1 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-1546) (-)



#28

Bromochloromethane

Concen: 17.068 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

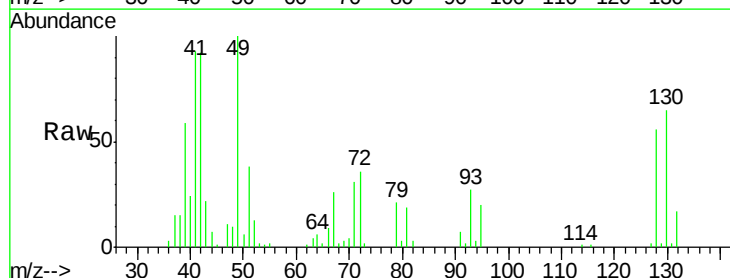
Tgt Ion: 49 Resp: 61157

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.6

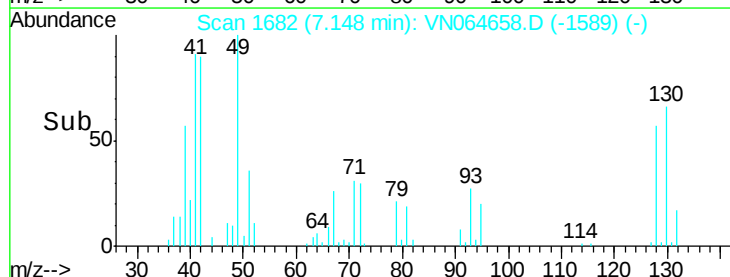
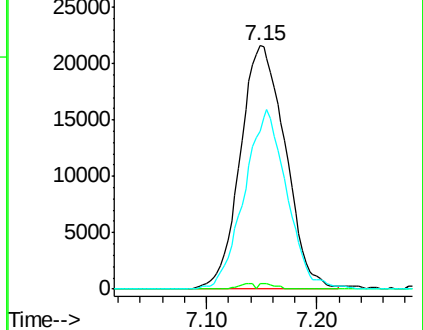
130 69.5 54.2 81.4



Abundance Ion 48.90 (48.60 to 49.60): VN064428.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN064428.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN064428.D (-1661) (-)

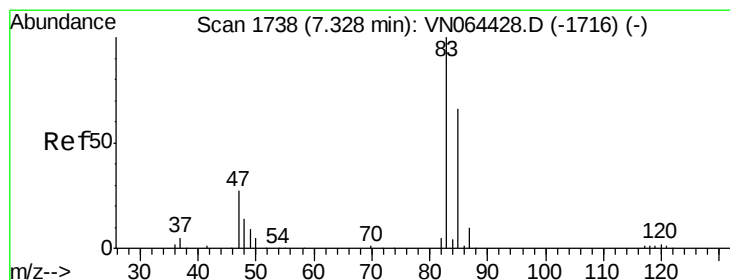
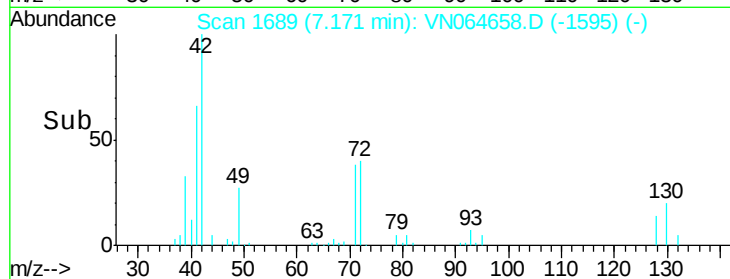
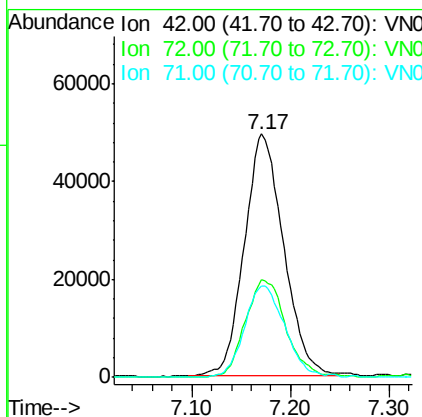
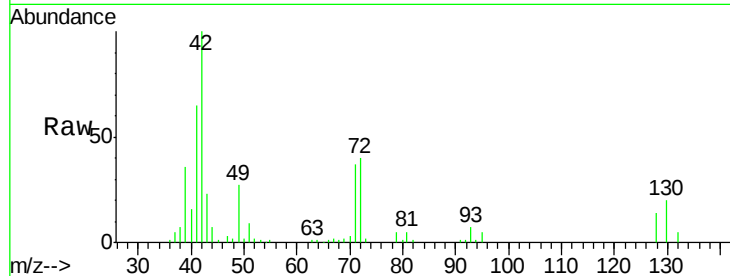




#29
Tetrahydrofuran
Concen: 87.886 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

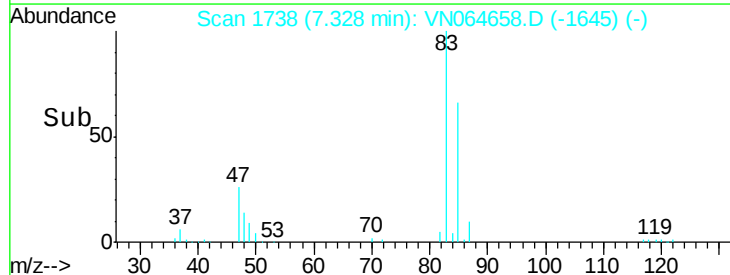
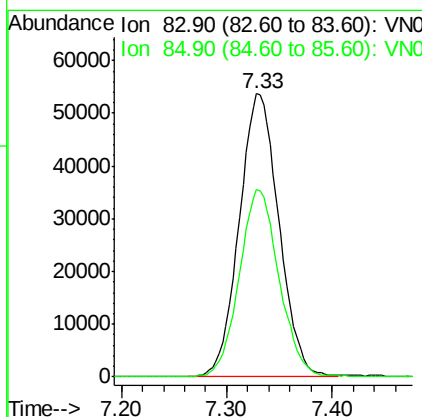
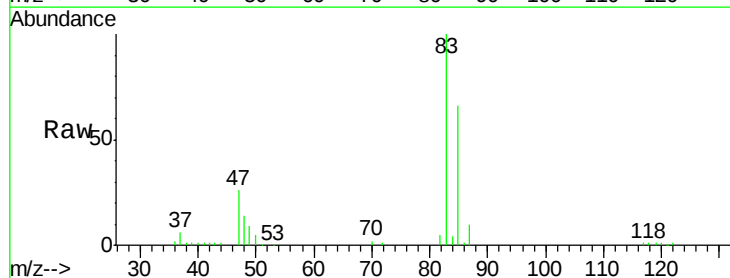
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

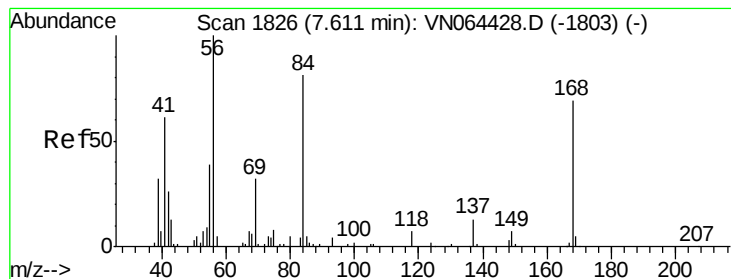
Tot Ion: 42 Resp: 136164
Ion Ratio Lower Upper
42 100
72 41.5 31.7 47.5
71 38.7 29.8 44.6



#30
Chloroform
Concen: 18.333 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 83 Resp: 140476
Ion Ratio Lower Upper
83 100
85 66.1 52.5 78.7





#31

Cyclohexane

Concen: 16.444 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

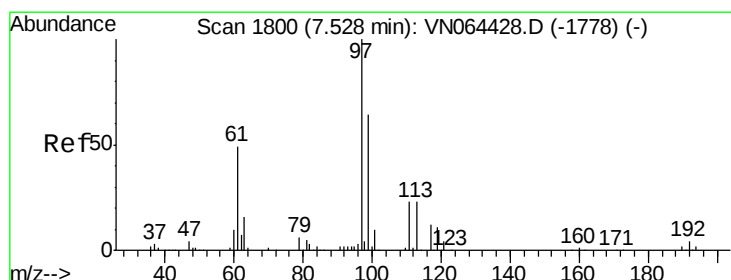
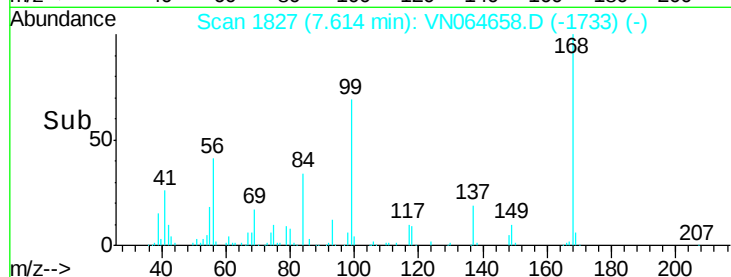
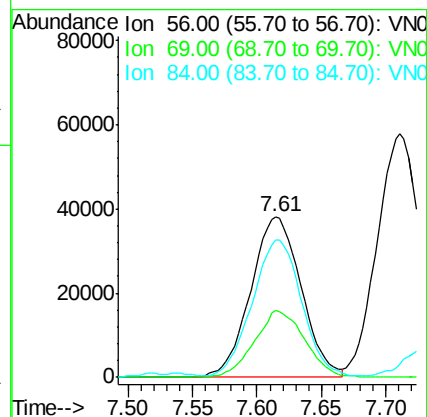
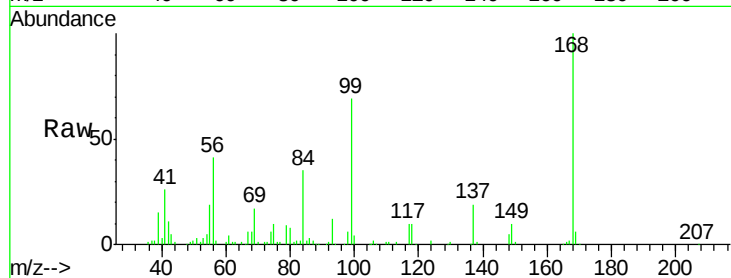
Tot Ion: 56 Resp: 104007

Ion Ratio Lower Upper

56 100

69 42.0 25.6 38.4#

84 84.0 63.0 94.6



#32

1,1,1-Trichloroethane

Concen: 18.932 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

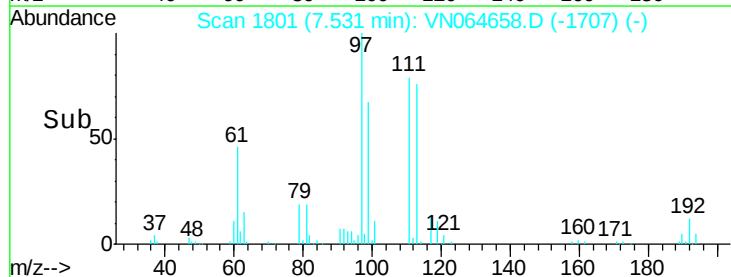
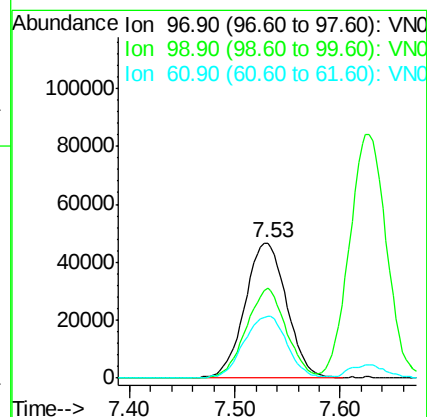
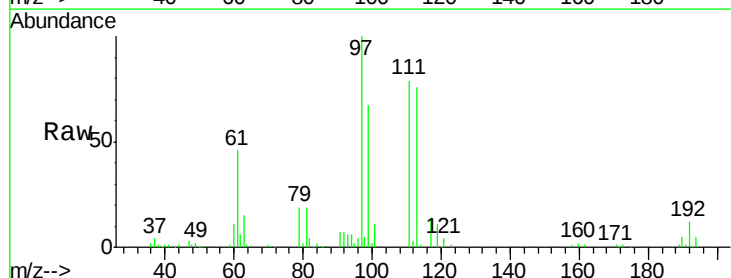
Tgt Ion: 97 Resp: 128664

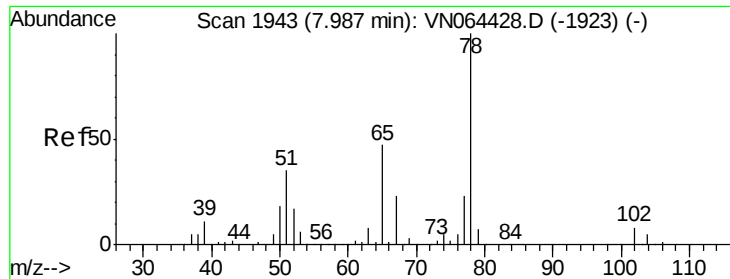
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 47.3 39.1 58.7





#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

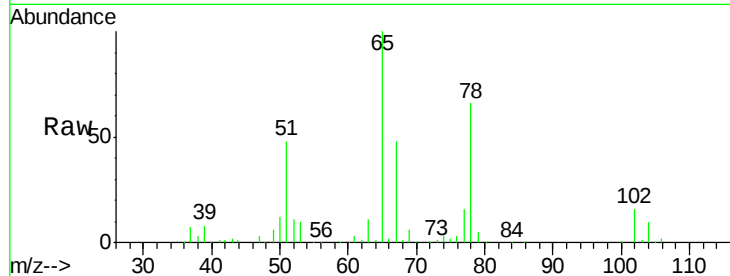
VN1116WBSD01

Tot Ion: 65 Resp: 258113

Ion Ratio Lower Upper

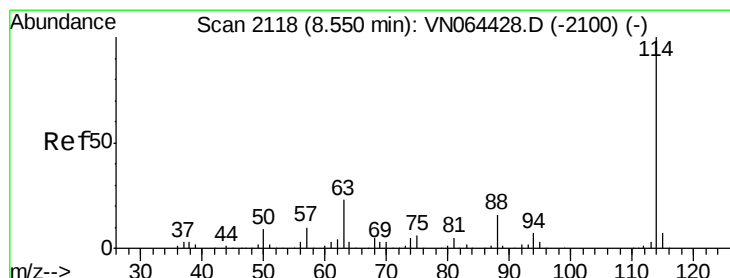
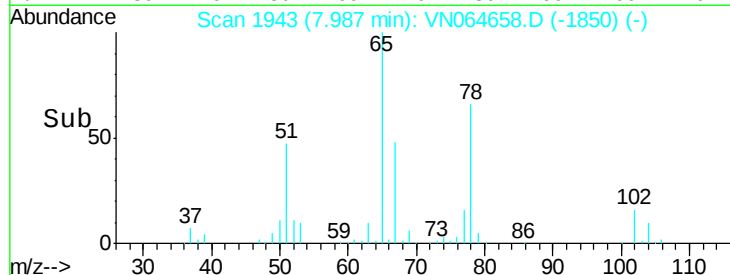
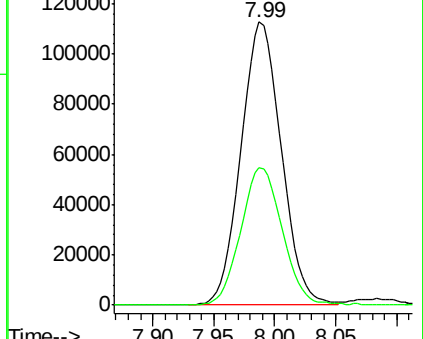
65 100

67 49.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

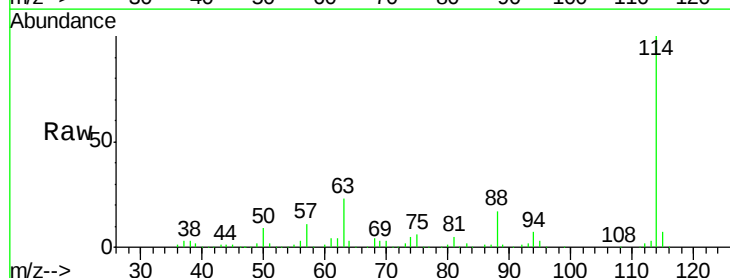
Tgt Ion: 114 Resp: 524647

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

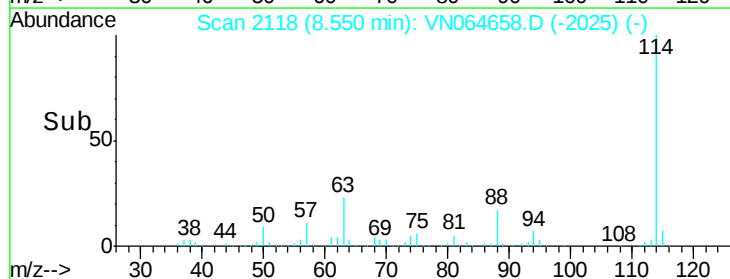
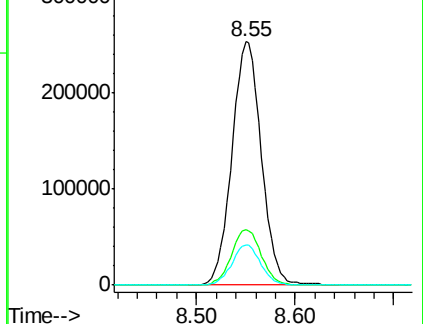
88 16.6 0.0 32.8

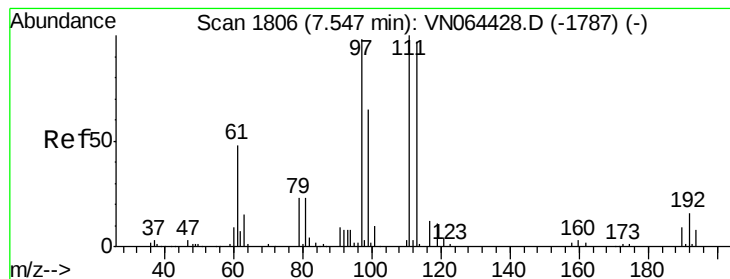


Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 51.068 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

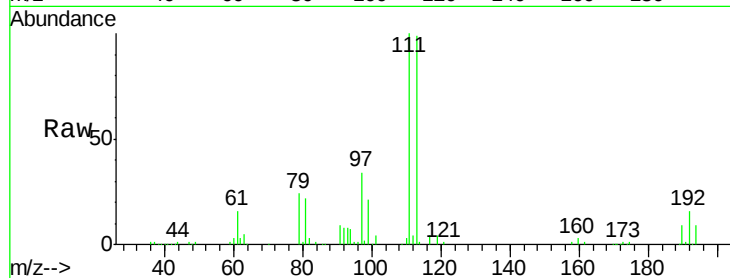
Tot Ion:113 Resp: 182422

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

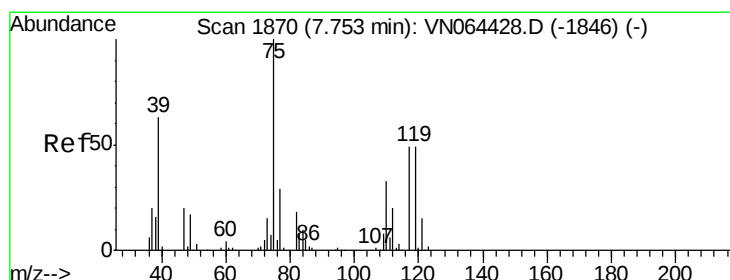
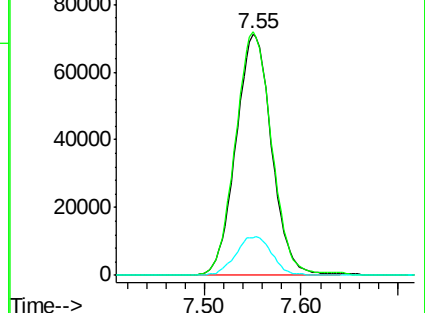
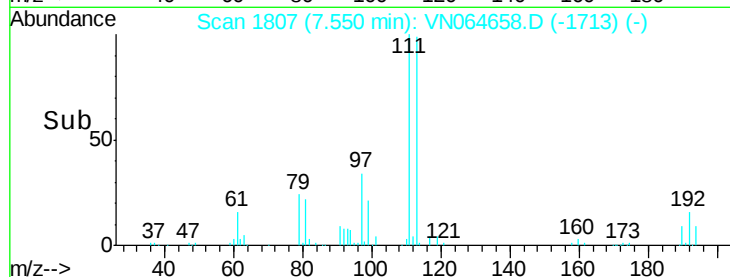
192 16.3 12.8 19.2



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: 17.824 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

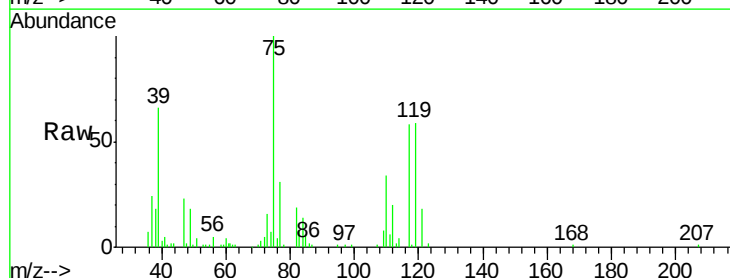
Tgt Ion: 75 Resp: 98788

Ion Ratio Lower Upper

75 100

110 33.2 16.0 48.0

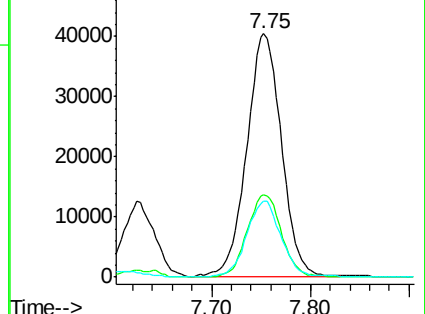
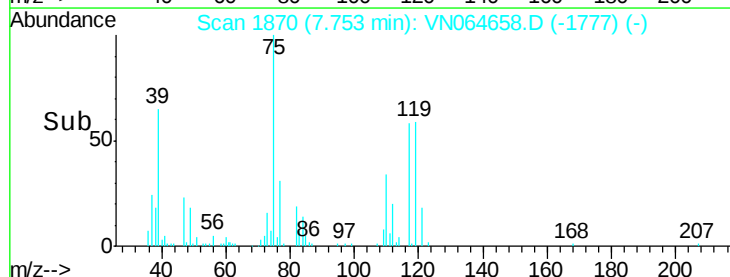
77 30.7 24.0 36.0

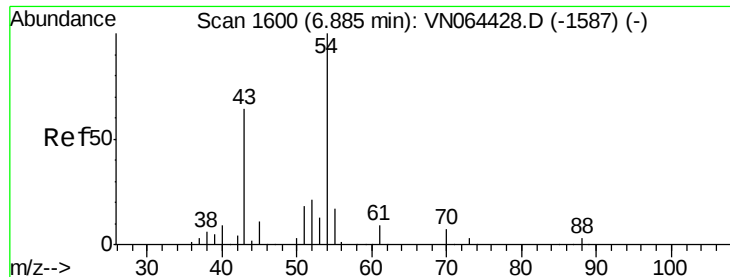


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

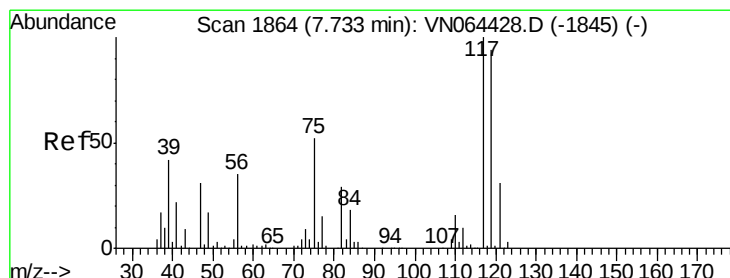
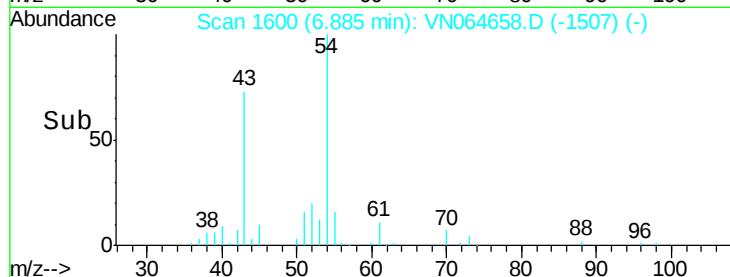
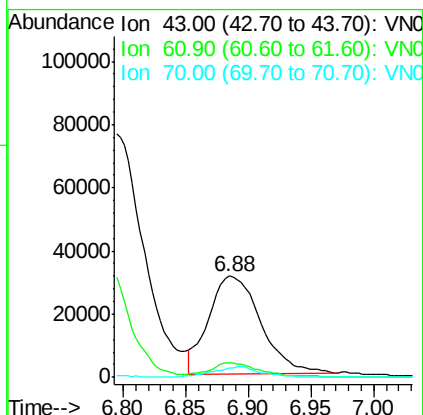
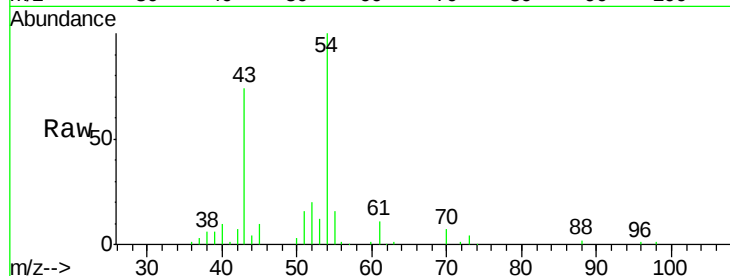




#37
Ethyl Acetate
Concen: 16.386 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

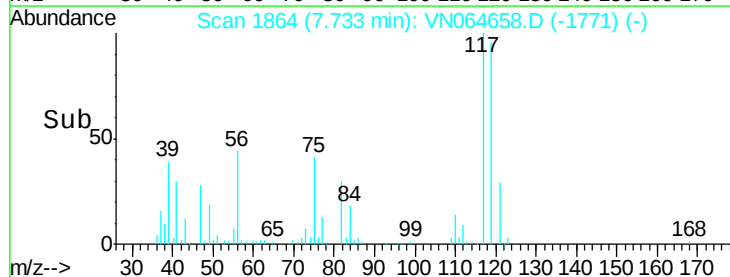
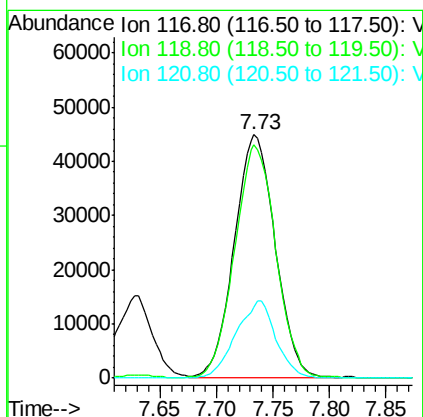
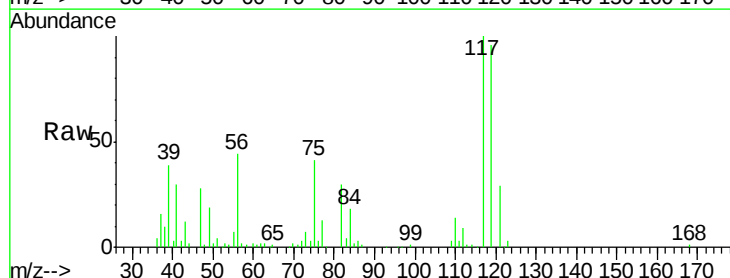
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

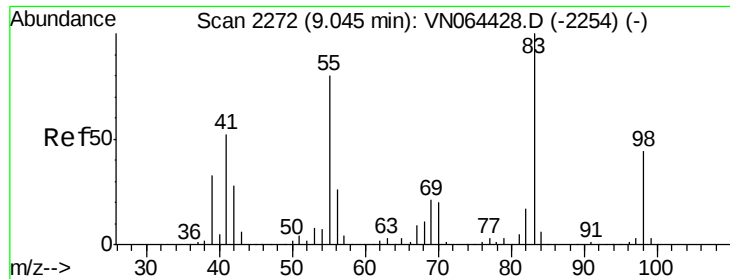
Tot Ion: 43 Resp: 89247
Ion Ratio Lower Upper
43 100
61 14.8 10.0 15.0
70 10.1 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.129 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 117 Resp: 113313
Ion Ratio Lower Upper
117 100
119 95.3 75.5 113.3
121 29.0 24.4 36.6

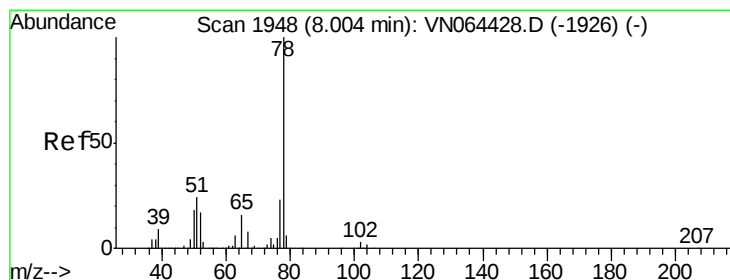
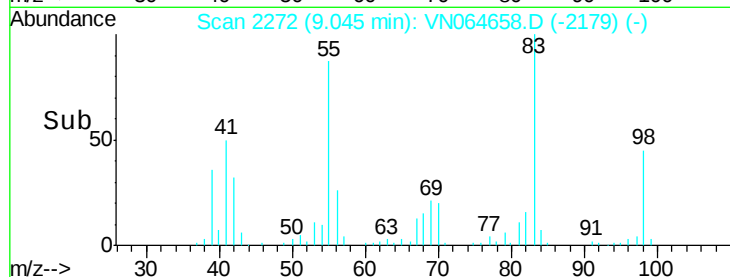
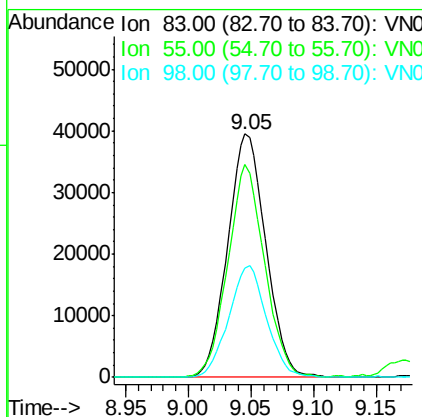
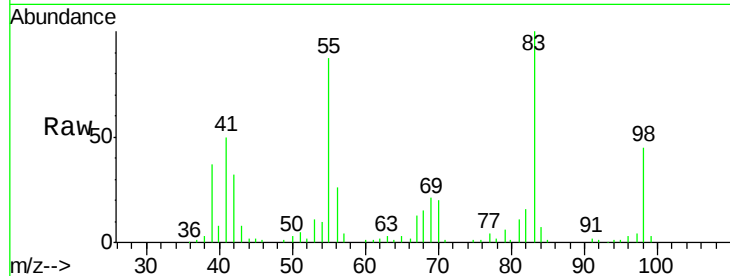




#39
Methvlcvclohexane
Concen: 16.765 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

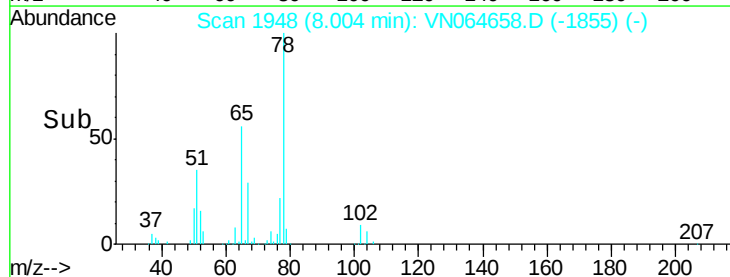
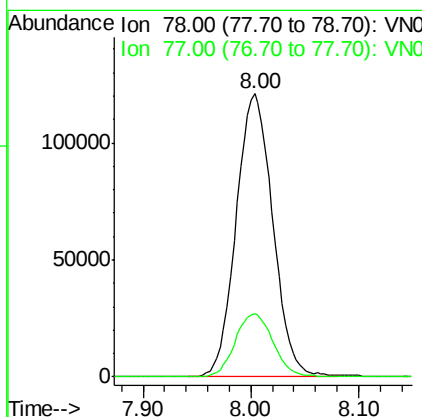
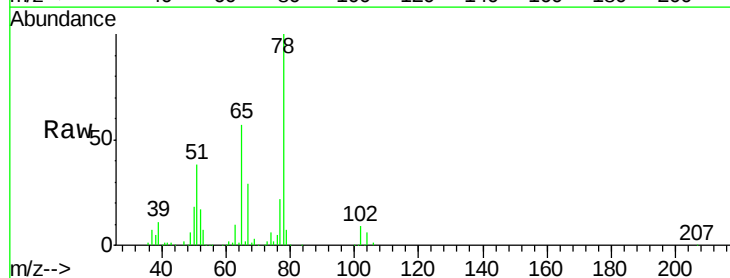
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

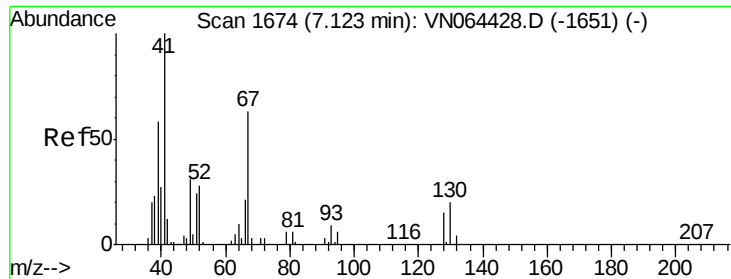
Tot Ion: 83 Resp: 83299
Ion Ratio Lower Upper
83 100
55 86.9 63.8 95.6
98 44.9 35.4 53.2



#40
Benzene
Concen: 17.598 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 78 Resp: 286618
Ion Ratio Lower Upper
78 100
77 22.4 18.7 28.1

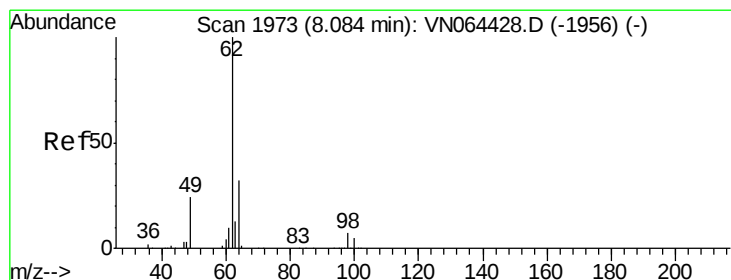
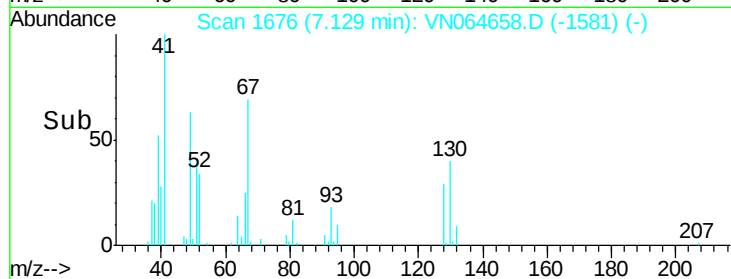
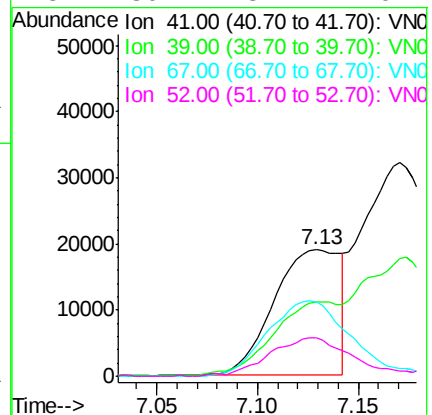
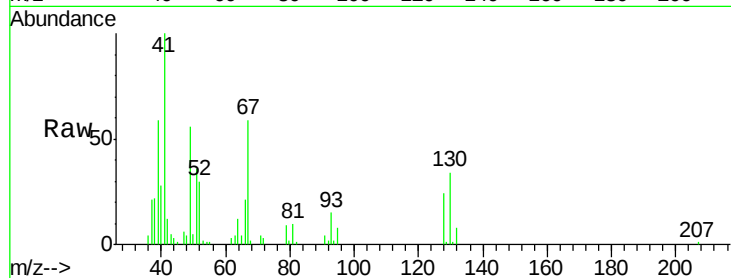




#41
Methacrylonitrile
Concen: 17.668 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

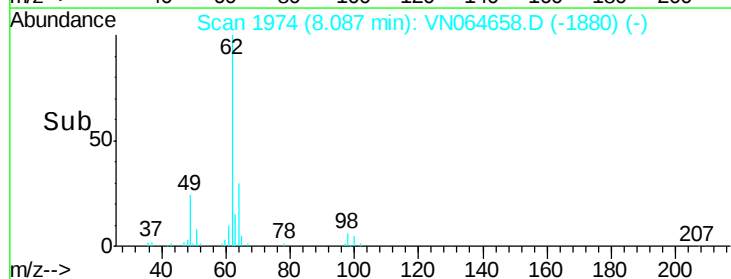
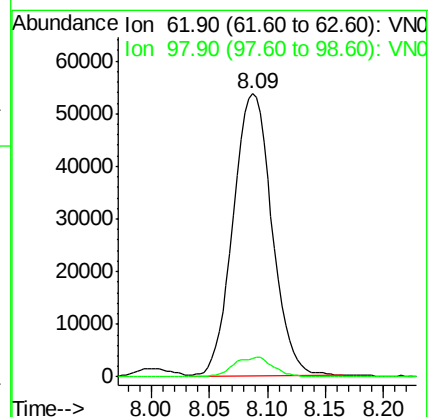
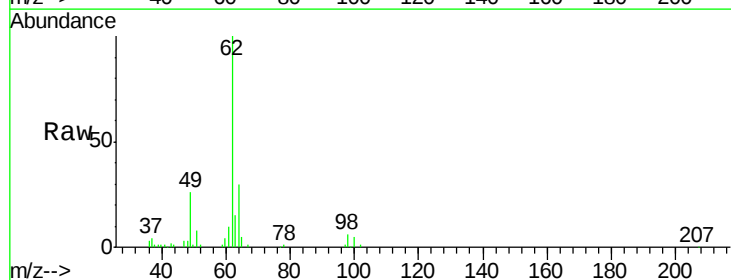
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

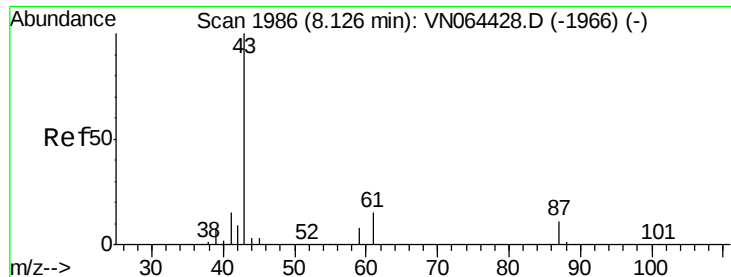
Tot Ion:	41	Resp:	43414
Ion	Ratio	Lower	Upper
41	100		
39	54.1	50.0	75.0
67	76.4	68.3	102.5
52	39.2	32.7	49.1



#42
1,2-Dichloroethane
Concen: 18.997 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion:	62	Resp:	124858
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	14.0





#43

Isopropyl Acetate

Concen: 17.988 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

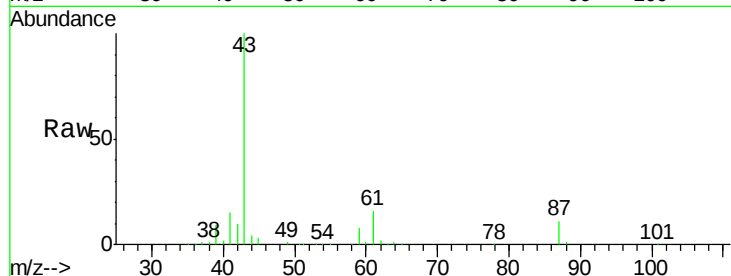
Tot Ion: 43 Resp: 161569

Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

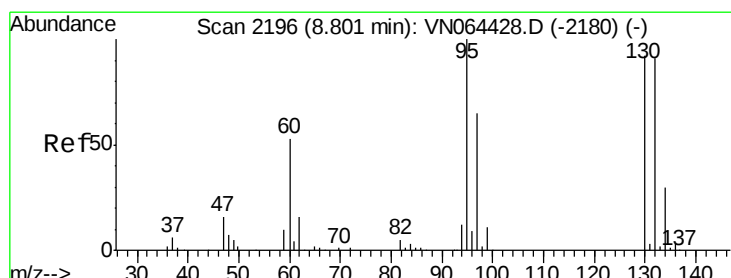
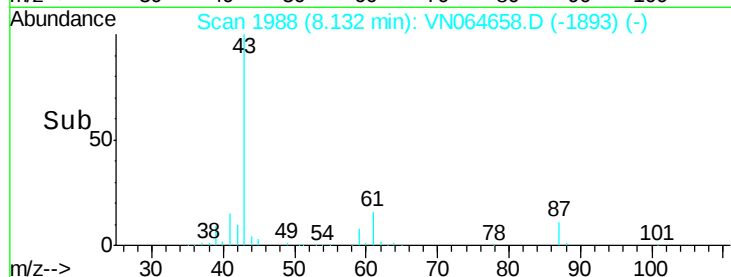
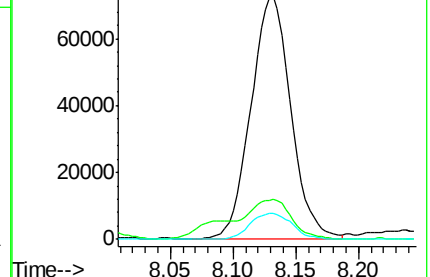
87 11.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#44

Trichloroethene

Concen: 17.576 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064658.D

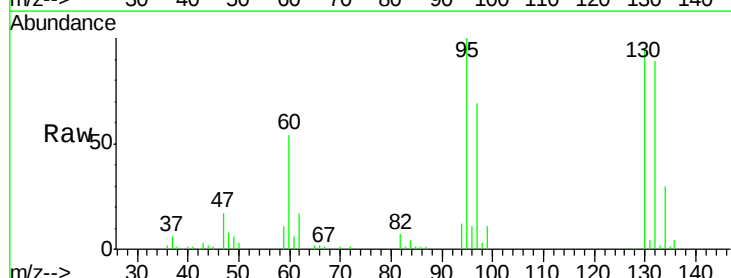
Acq: 16 Nov 2020 13:15

Tgt Ion:130 Resp: 72223

Ion Ratio Lower Upper

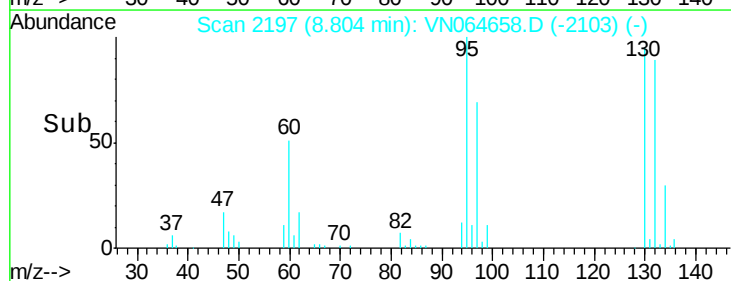
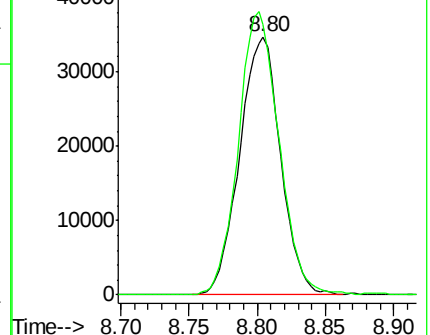
130 100

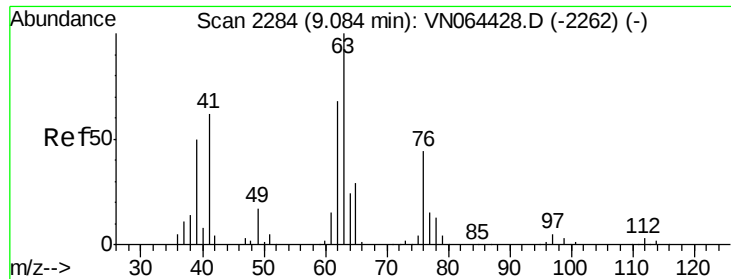
95 104.8 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)

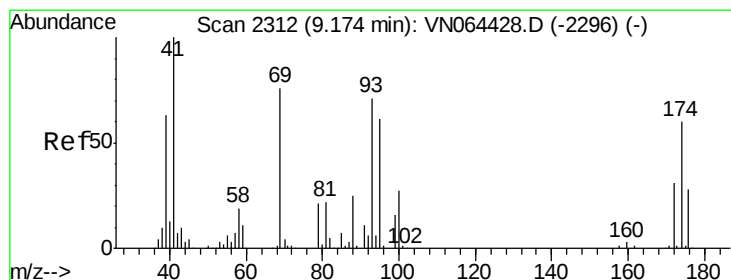
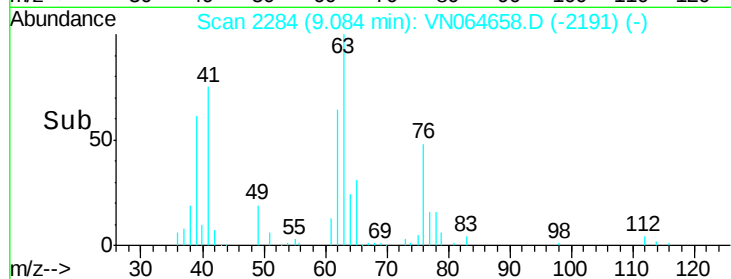
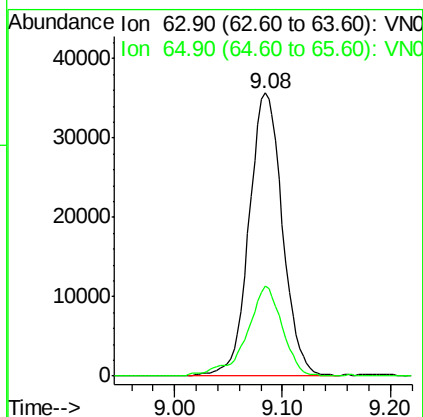
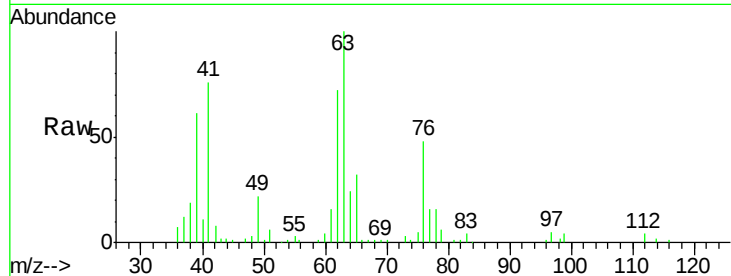




#45
 1,2-Dichloropropane
 Concen: 17.655 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

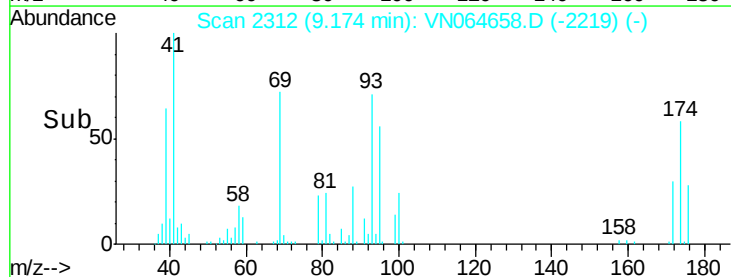
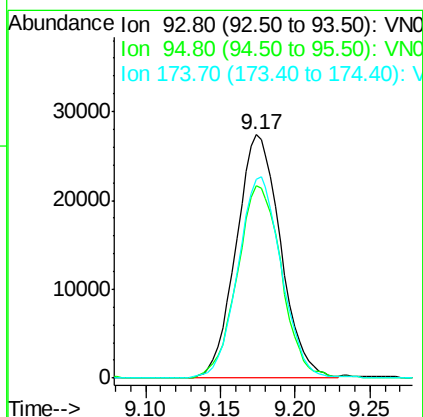
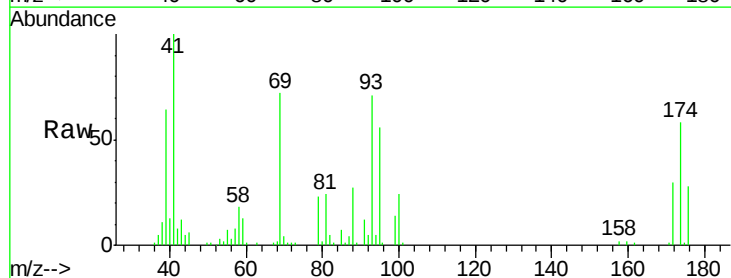
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Tot Ion: 63 Resp: 76725
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.6 35.4



#46
 Dibromomethane
 Concen: 19.769 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 93 Resp: 56553
 Ion Ratio Lower Upper
 93 100
 95 78.9 66.4 99.6
 174 80.9 67.2 100.8

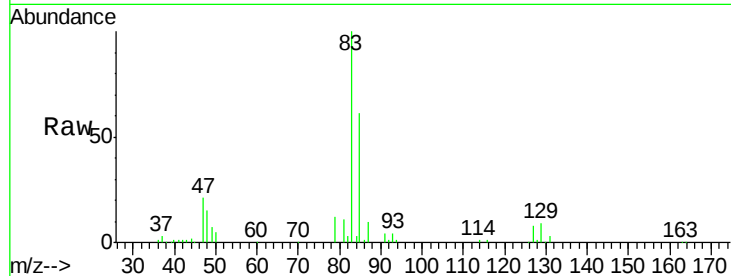




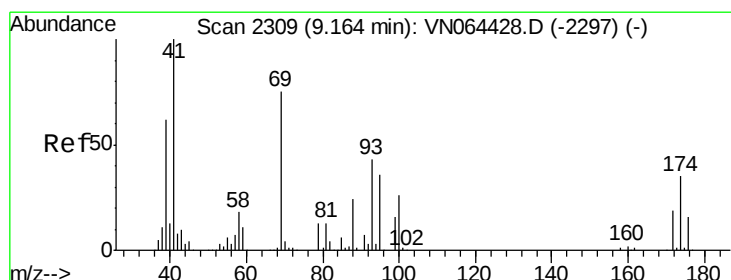
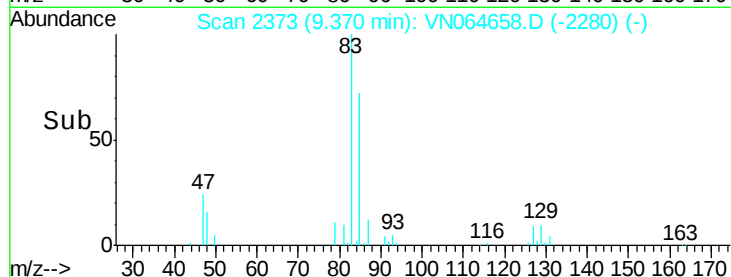
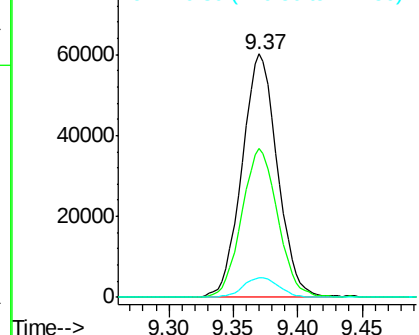
#47
Bromodichloromethane
Concen: 18.726 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

Tot Ion: 83 Resp: 115188
Ion Ratio Lower Upper
83 100
85 61.4 51.2 76.8
127 7.8 6.9 10.3

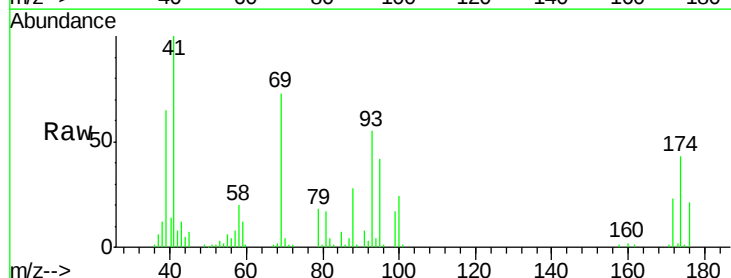


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

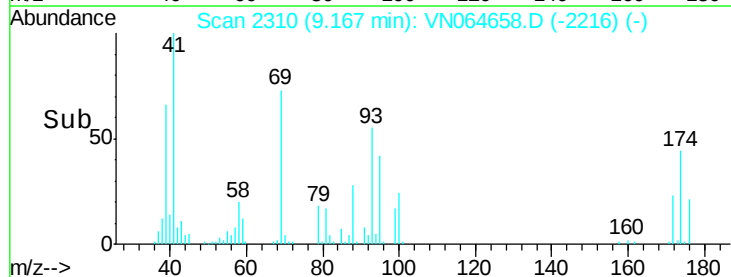
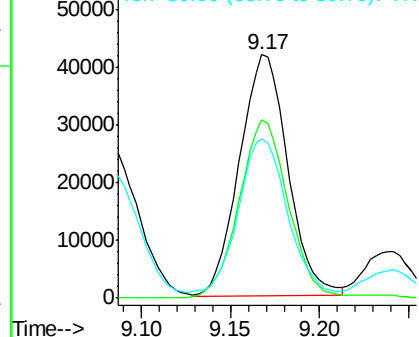


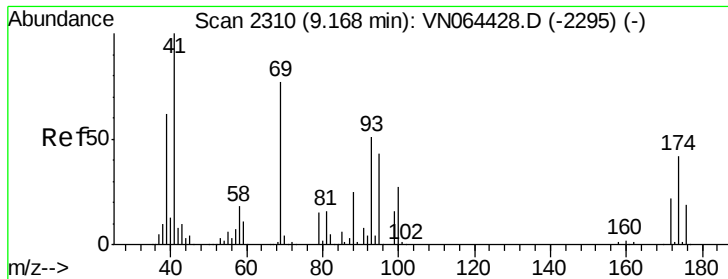
#48
Methyl methacrylate
Concen: 17.506 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 41 Resp: 79345
Ion Ratio Lower Upper
41 100
69 75.0 60.4 90.6
39 67.2 51.2 76.8



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: 398.353 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

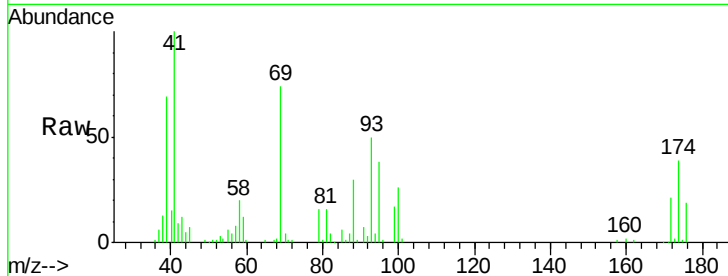
Tot Ion: 88 Resp: 23781

Ion Ratio Lower Upper

88 100

43 37.1 31.0 46.6

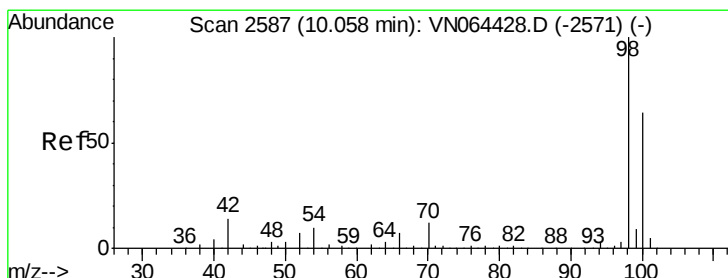
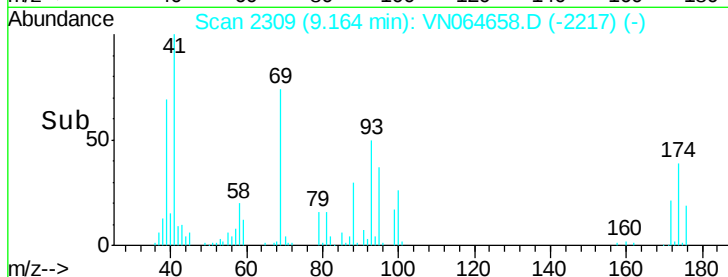
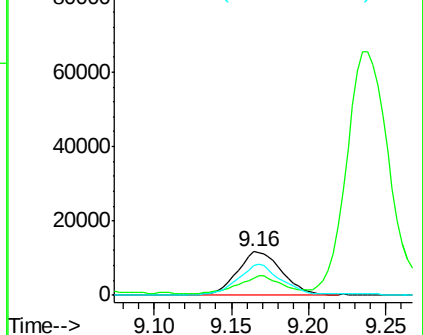
58 68.5 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN064428.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2295) (-)



#50

Toluene-d8

Concen: 47.423 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064658.D

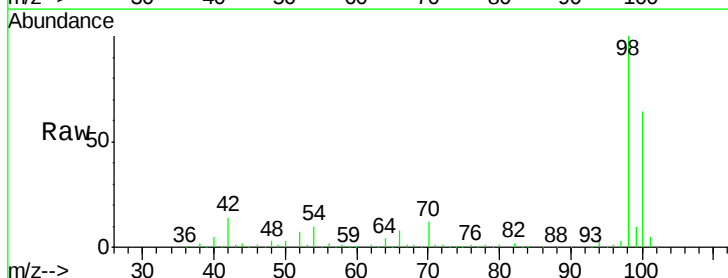
Acq: 16 Nov 2020 13:15

Tgt Ion: 98 Resp: 654737

Ion Ratio Lower Upper

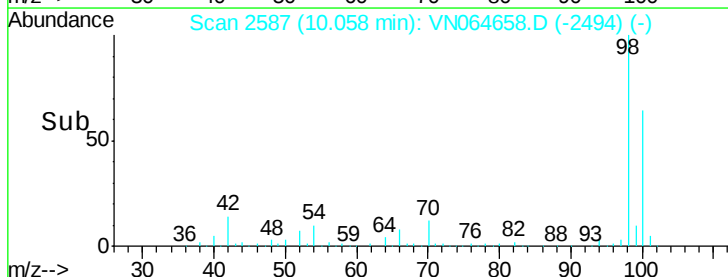
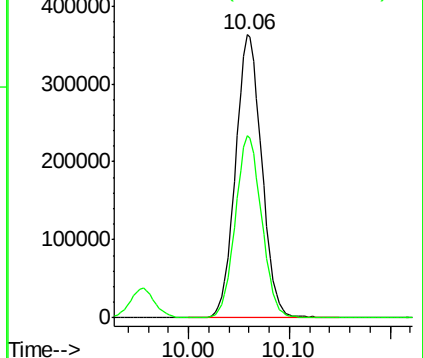
98 100

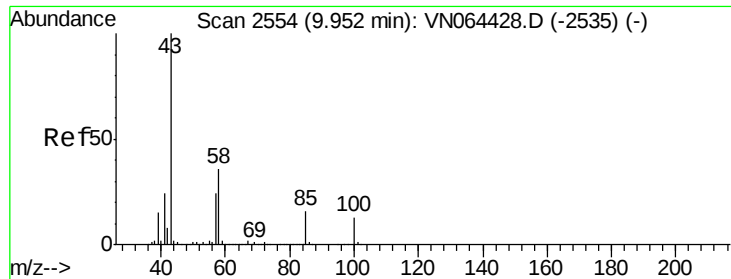
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 95.191 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

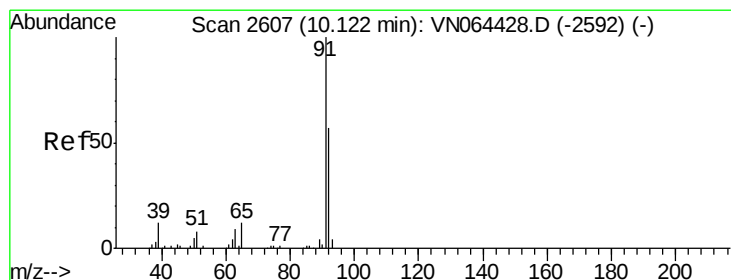
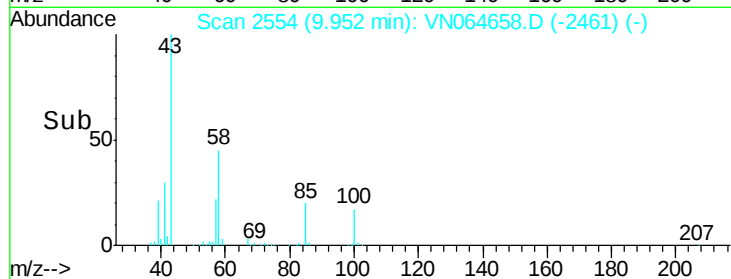
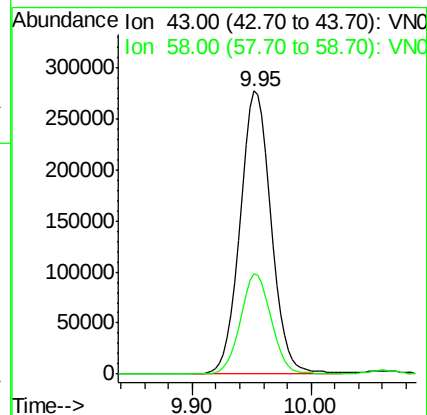
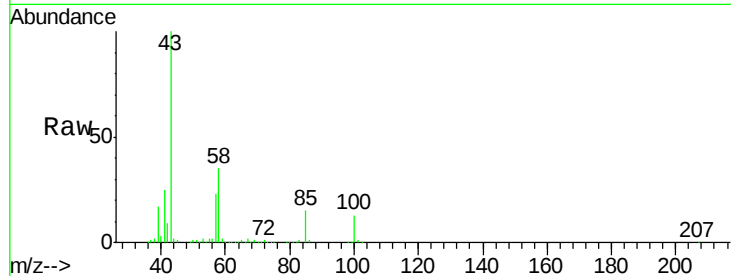
VN1116WBSD01

Tot Ion: 43 Resp: 498623

Ion Ratio Lower Upper

43 100

58 35.4 28.4 42.6



#52

Toluene

Concen: 17.998 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064658.D

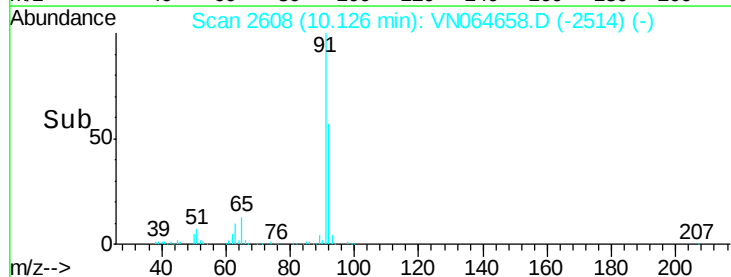
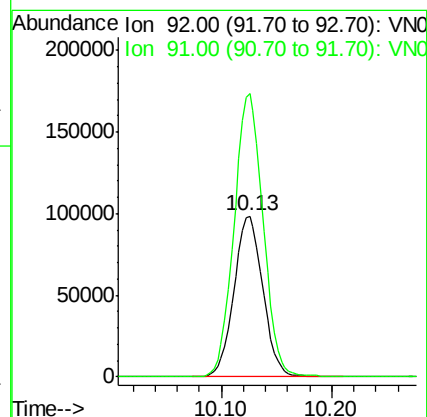
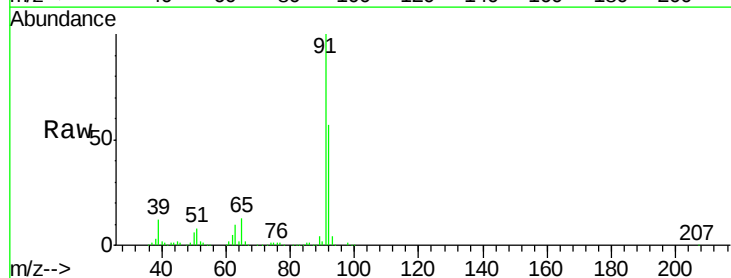
Acq: 16 Nov 2020 13:15

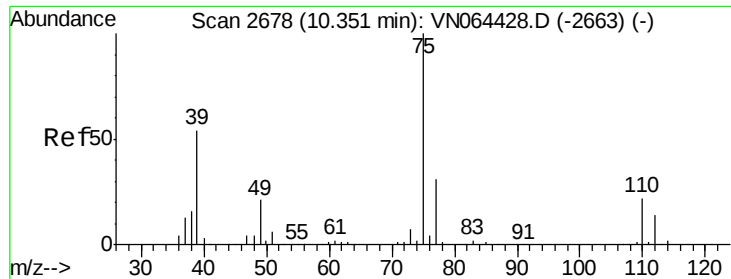
Tgt Ion: 92 Resp: 178785

Ion Ratio Lower Upper

92 100

91 176.4 139.6 209.4

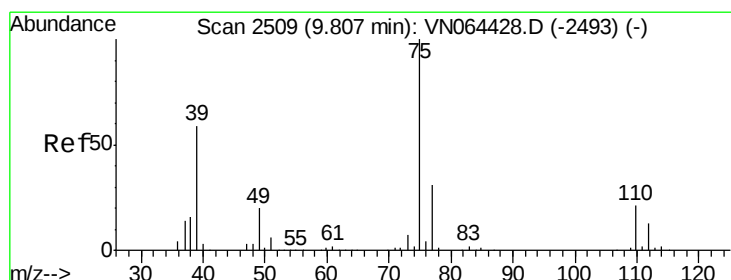
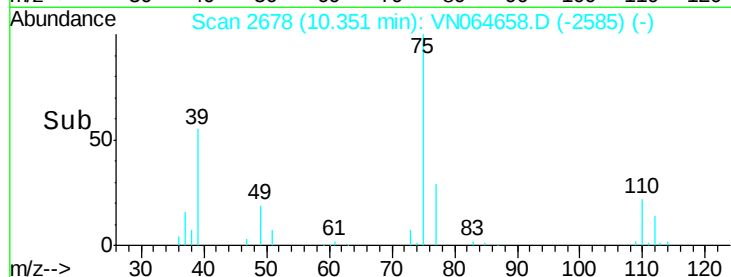
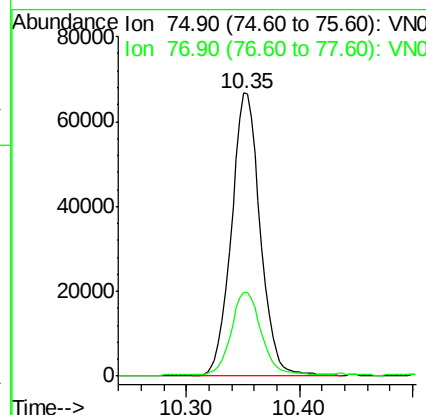
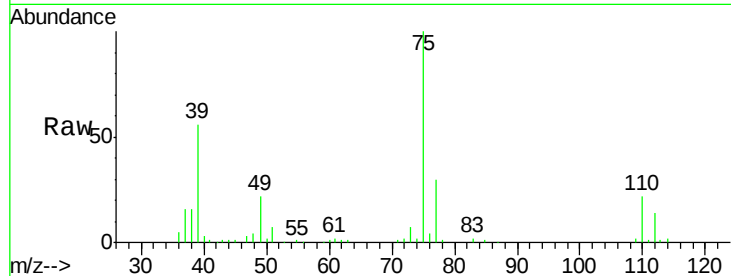




#53
 t-1,3-Dichloropropene
 Concen: 18.194 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

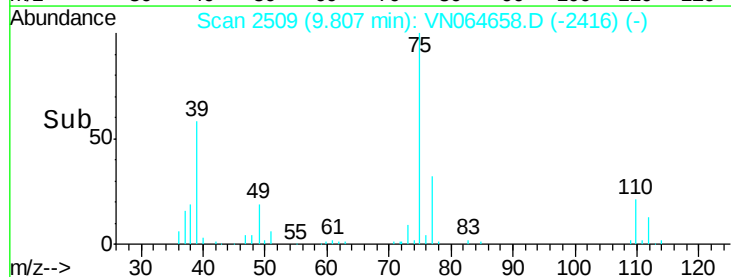
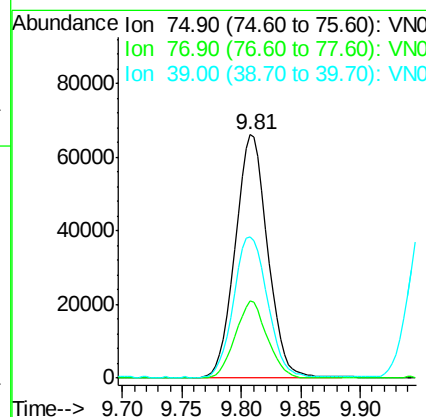
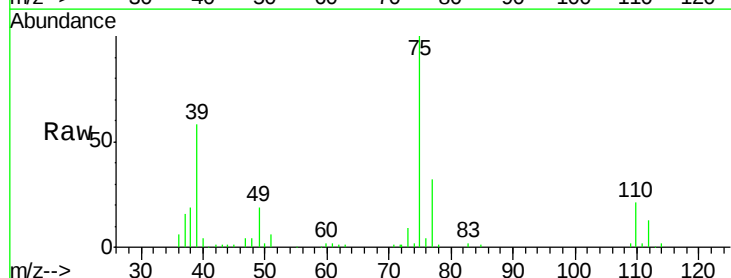
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

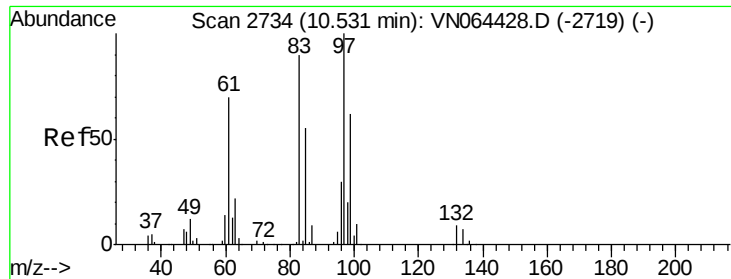
Tot Ion: 75 Resp: 118648
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 17.935 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 75 Resp: 125049
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.9 37.3
 39 57.8 47.1 70.7

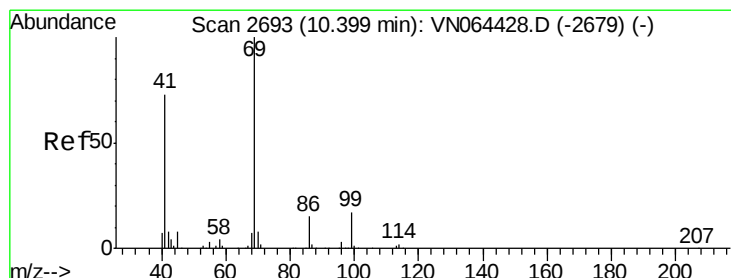
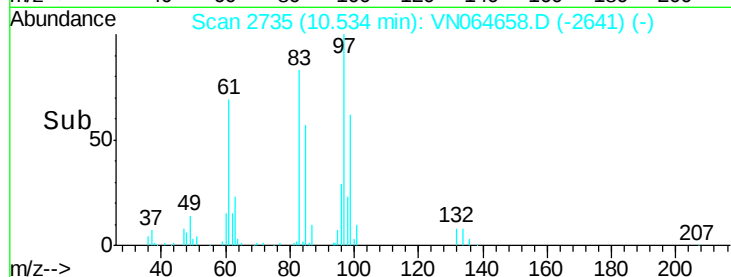
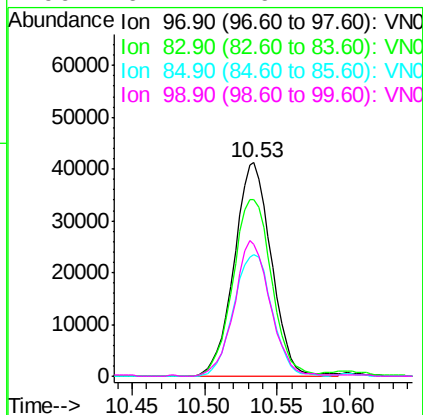
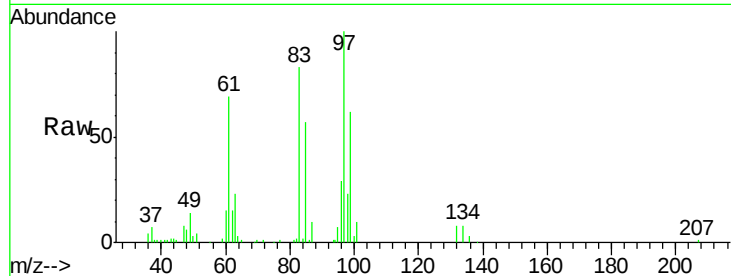




#55
 1,1,2-Trichloroethane
 Concen: 18.981 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

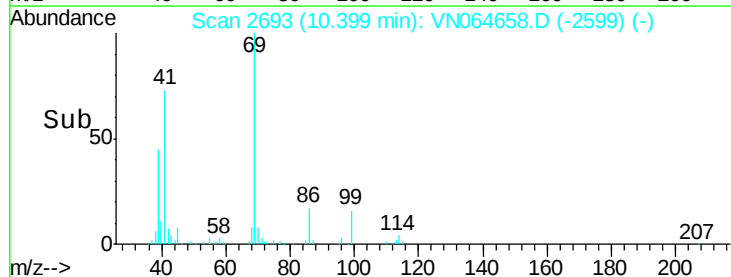
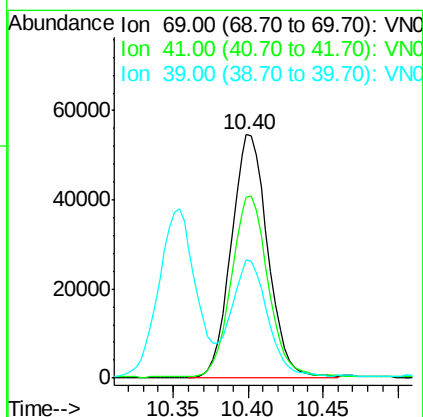
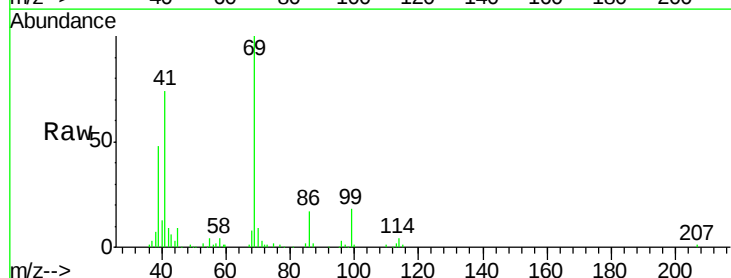
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

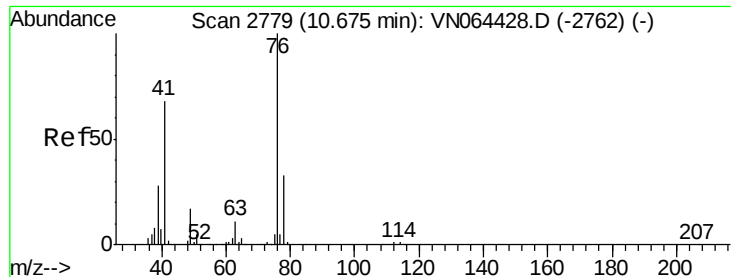
Tot Ion: 97 Resp: 73534
 Ion Ratio Lower Upper
 97 100
 83 82.9 71.7 107.5
 85 57.2 44.3 66.5
 99 61.7 49.4 74.2



#56
 Ethyl methacrylate
 Concen: 15.893 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 69 Resp: 92988
 Ion Ratio Lower Upper
 69 100
 41 74.2 59.3 88.9
 39 46.3 35.4 53.0





#57

1,3-Dichloropropane

Concen: 18.601 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

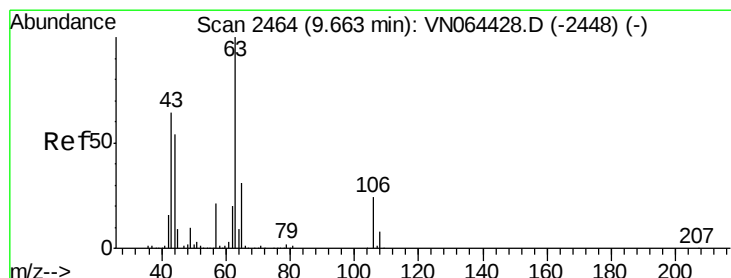
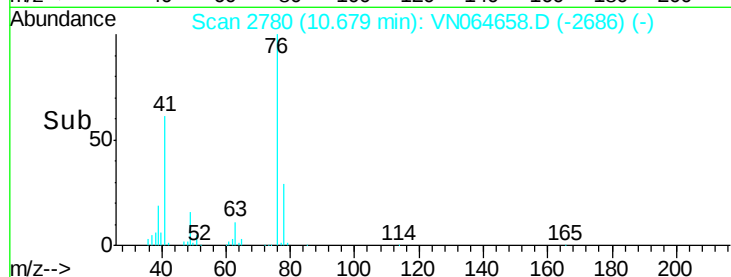
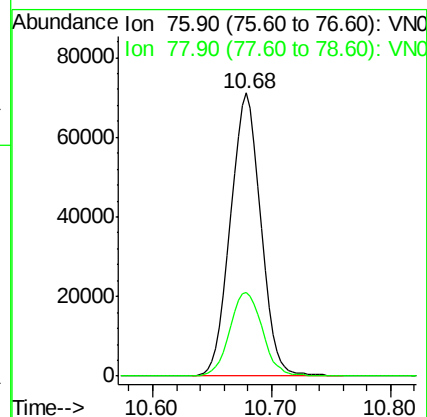
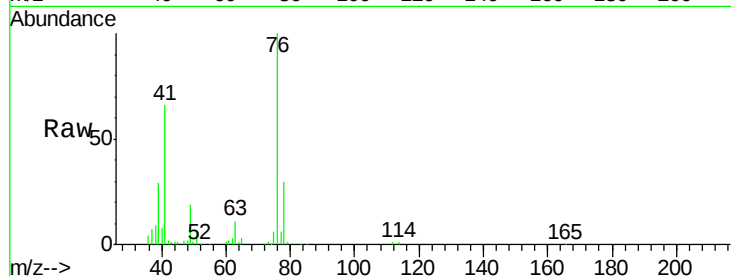
VN1116WBSD01

Tot Ion: 76 Resp: 125783

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 99.025 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN064658.D

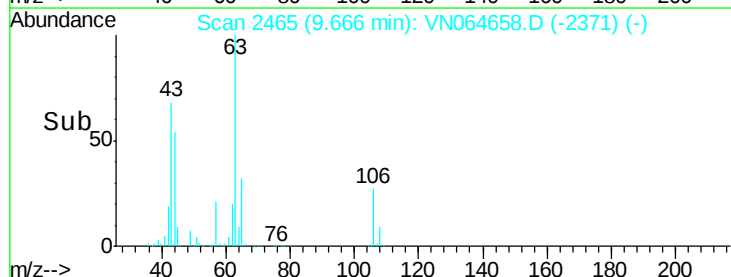
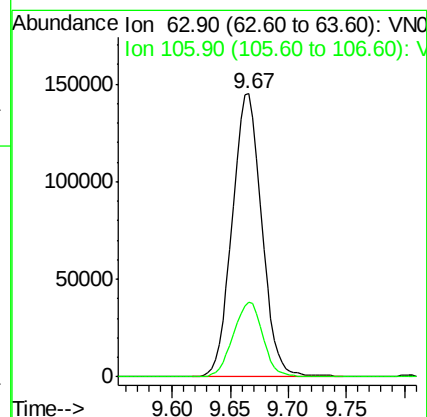
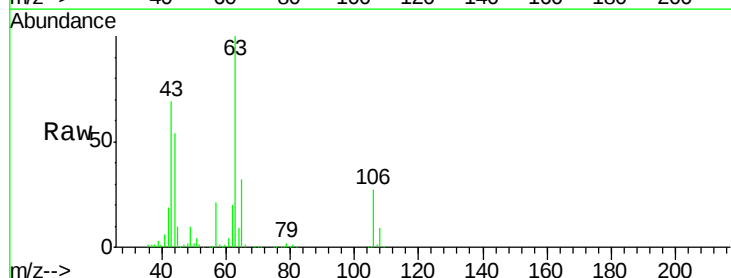
Acq: 16 Nov 2020 13:15

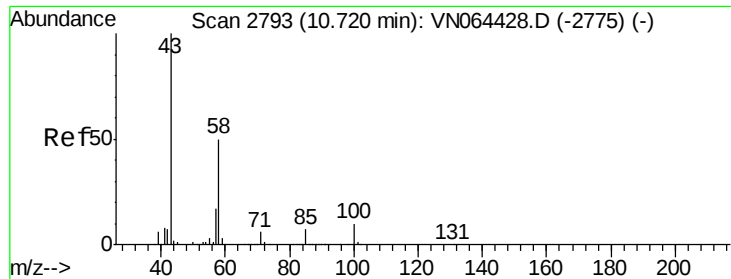
Tgt Ion: 63 Resp: 255377

Ion Ratio Lower Upper

63 100

106 26.5 19.5 29.3

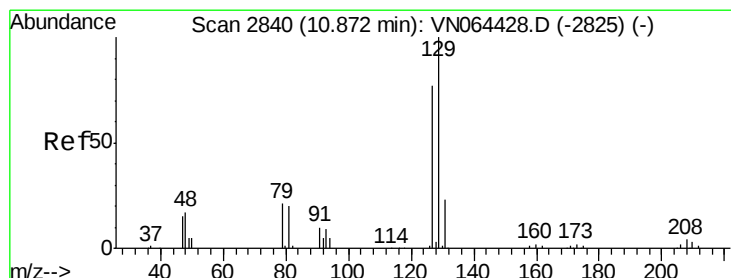
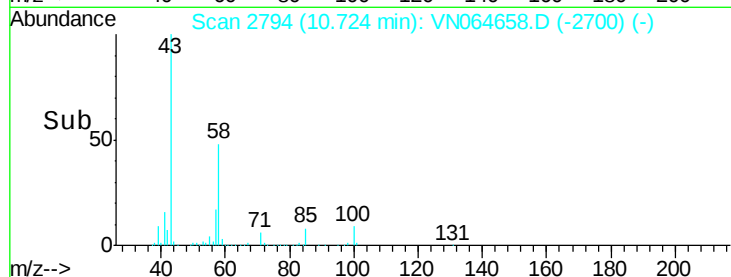
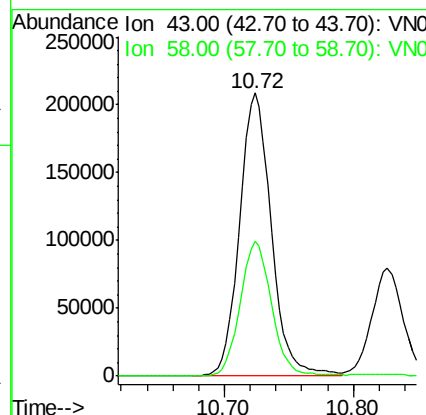
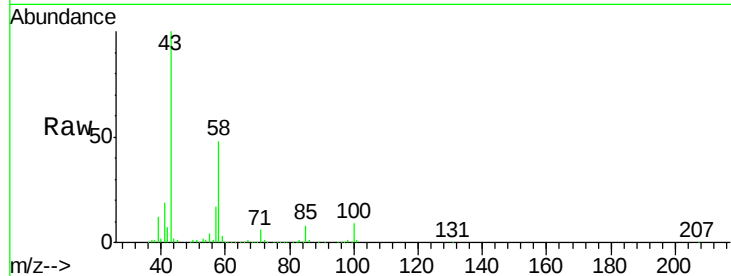




#59
2-Hexanone
Concen: 85.667 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

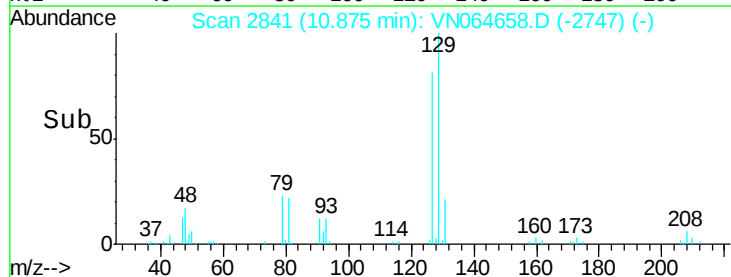
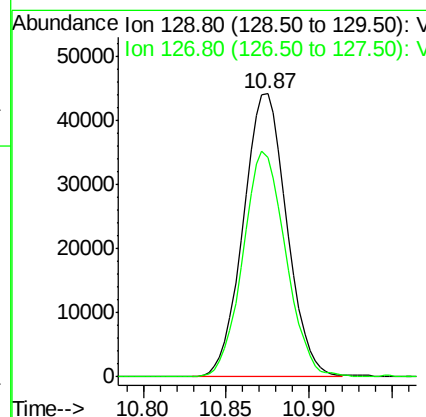
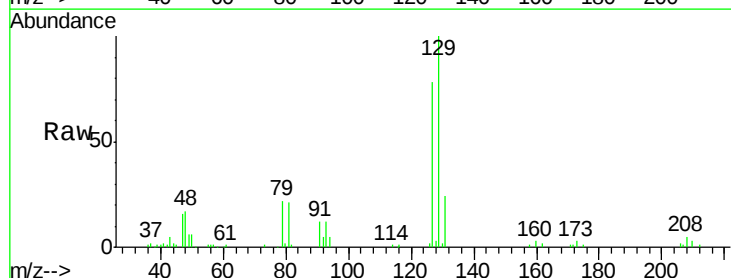
Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

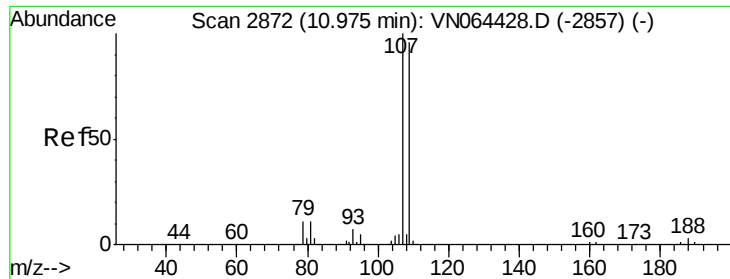
Tot Ion: 43 Resp: 354422
Ion Ratio Lower Upper
43 100
58 47.8 24.7 74.1



#60
Dibromochloromethane
Concen: 18.653 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 129 Resp: 80907
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.7

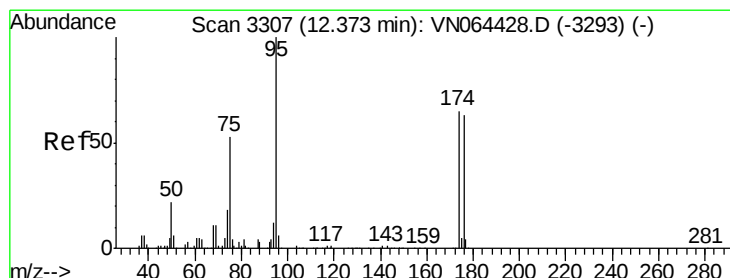
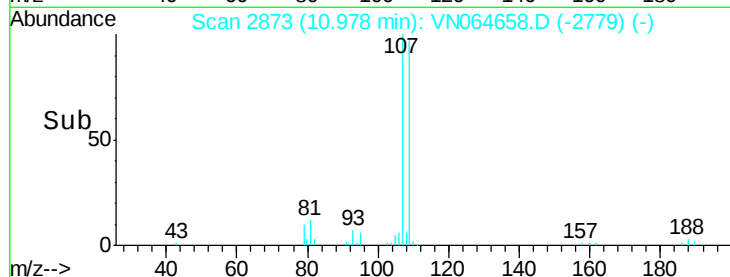
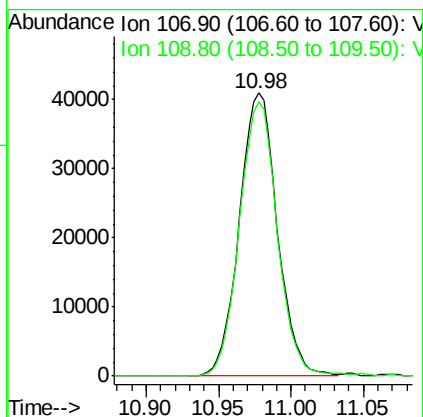
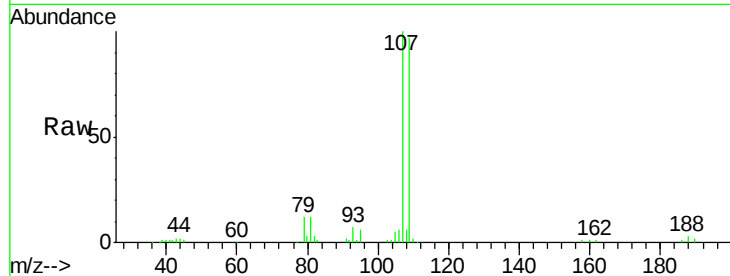




#61
 1,2-Dibromoethane
 Concen: 19.058 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

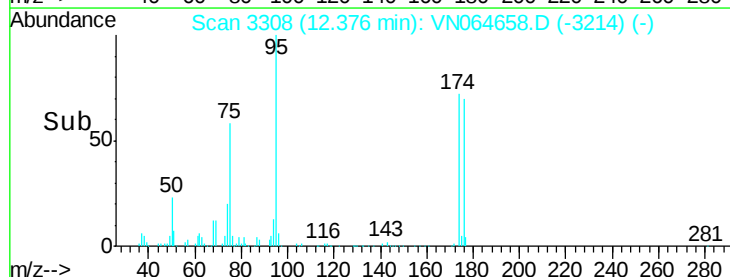
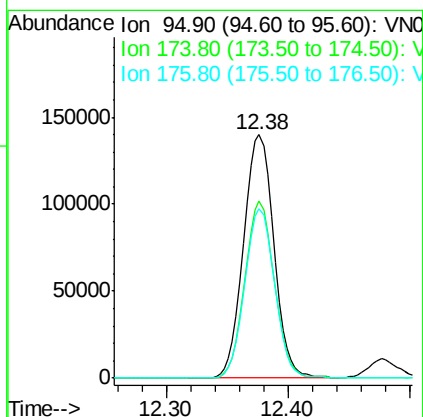
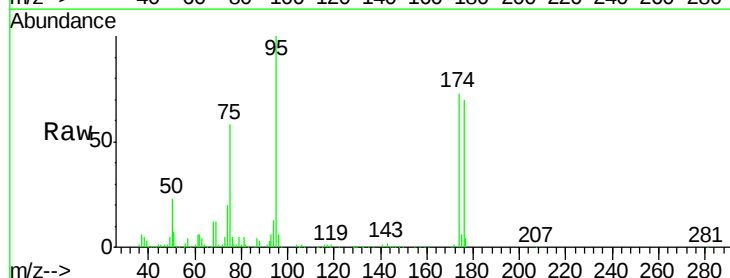
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

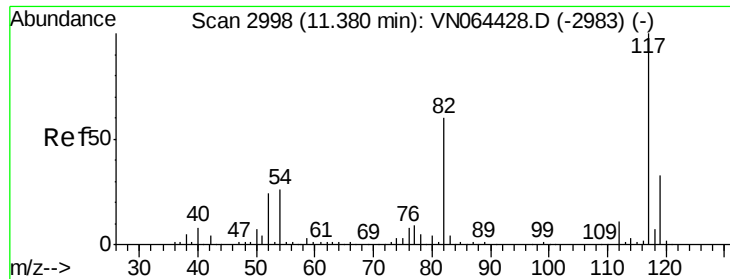
Tot Ion: 107 Resp: 74888
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.848 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 95 Resp: 239388
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 132.6
 176 68.6 0.0 129.2

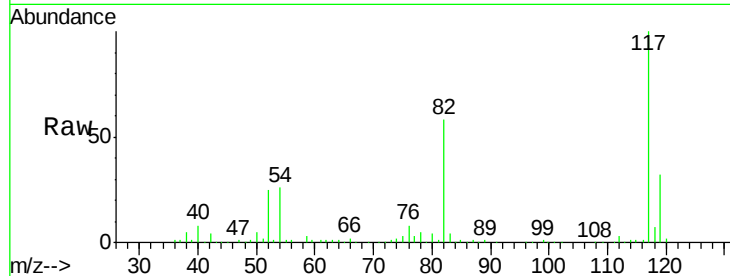




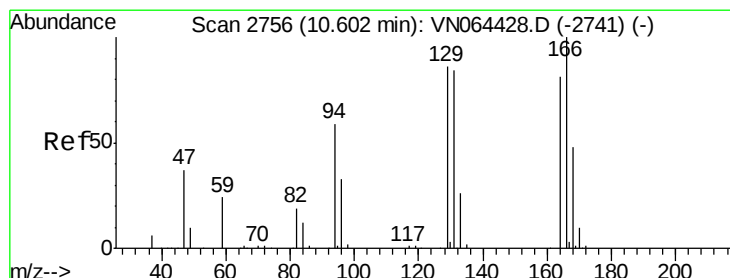
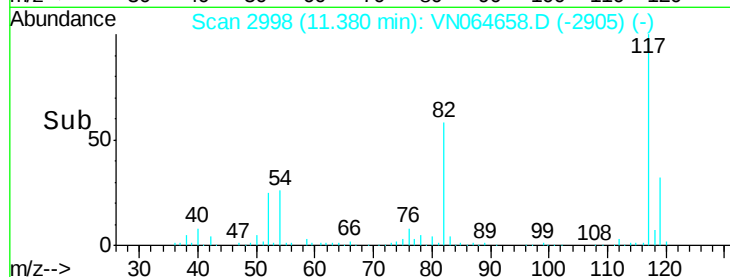
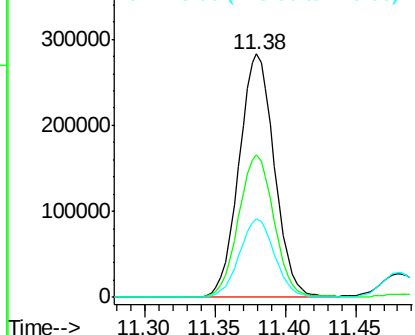
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

Tot Ion:117 Resp: 497555
Ion Ratio Lower Upper
117 100
82 58.5 48.1 72.1
119 32.3 26.2 39.4



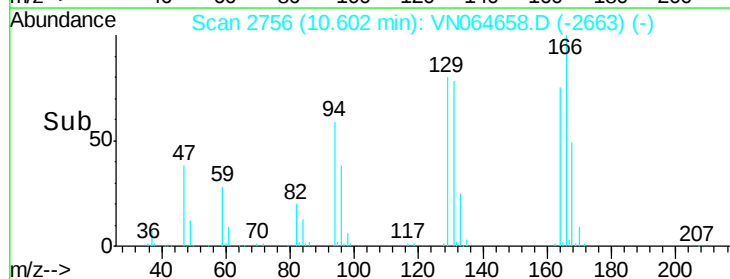
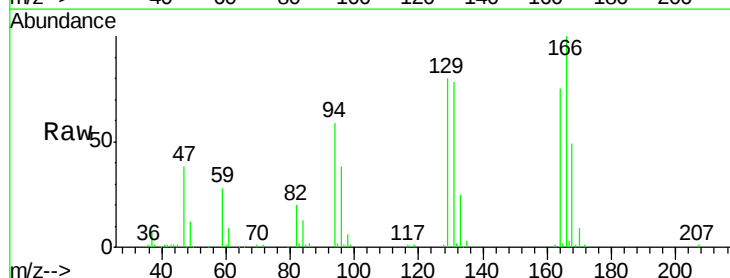
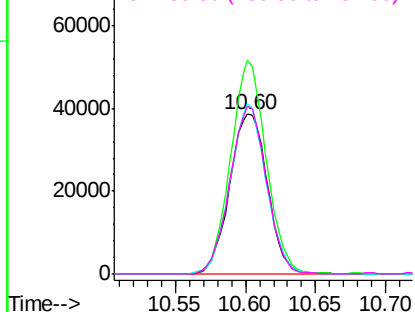
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

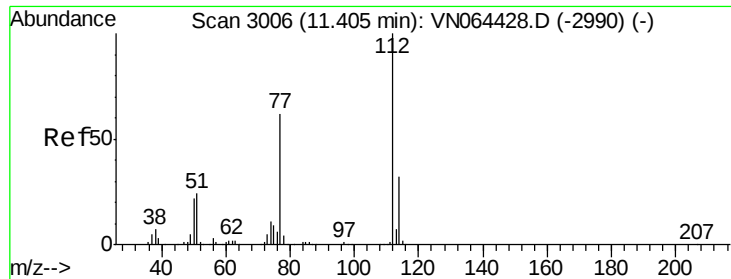


#64
Tetrachloroethene
Concen: 18.823 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion:164 Resp: 72143
Ion Ratio Lower Upper
164 100
166 133.9 98.2 147.2
129 106.6 84.6 127.0
131 105.0 82.2 123.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

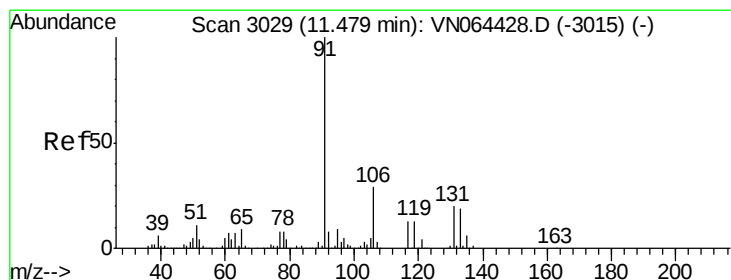
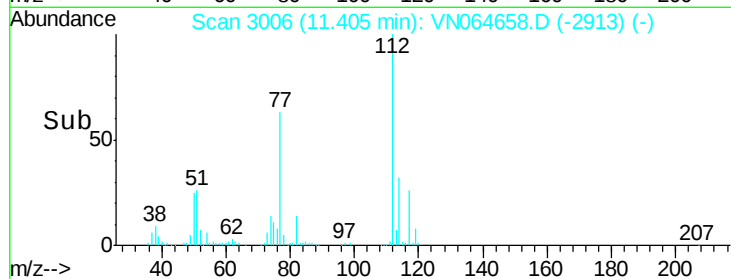
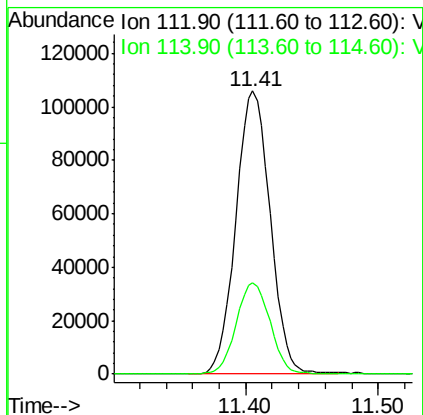
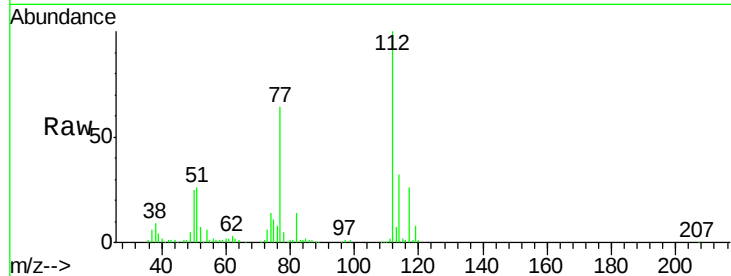




#65
Chlorobenzene
Concen: 17.490 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

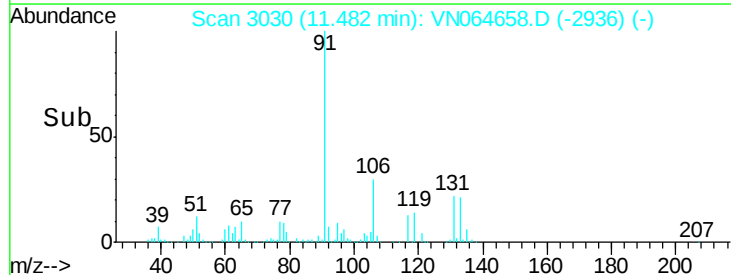
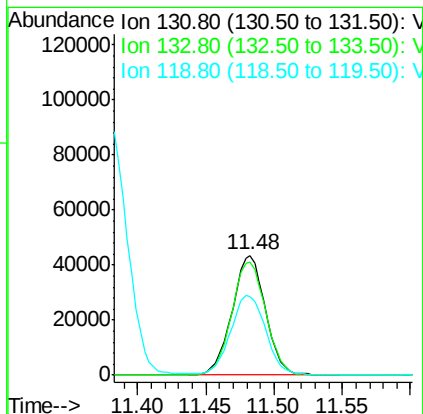
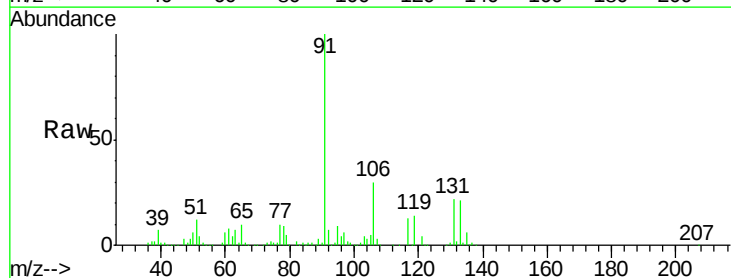
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

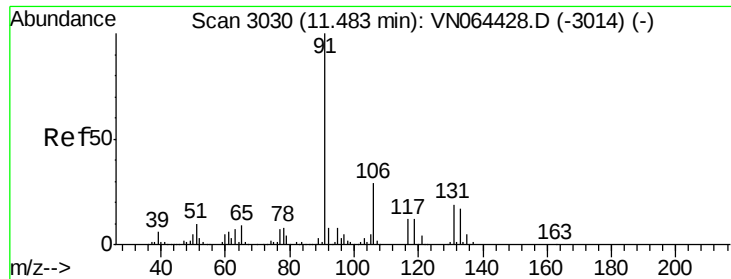
Tot Ion:112 Resp: 190773
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.140 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion:131 Resp: 73816
Ion Ratio Lower Upper
131 100
133 96.9 46.9 140.7
119 70.1 32.1 96.5





#67

Ethyl Benzene

Concen: 17.178 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

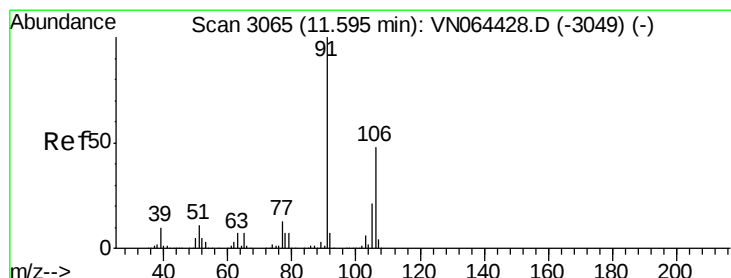
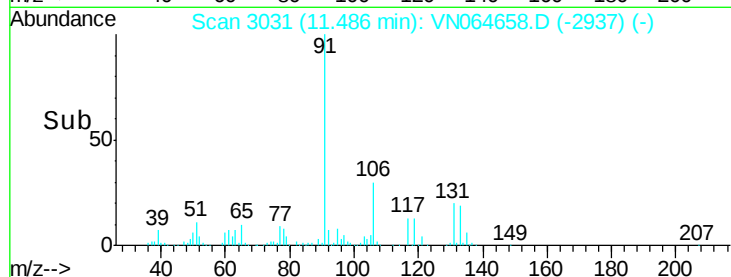
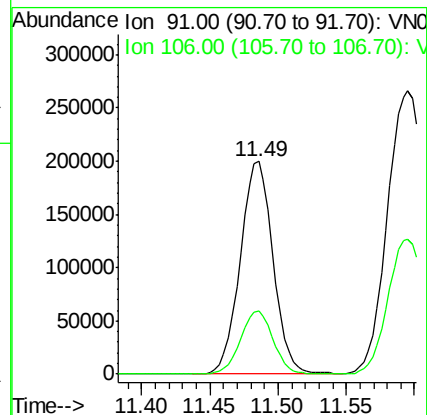
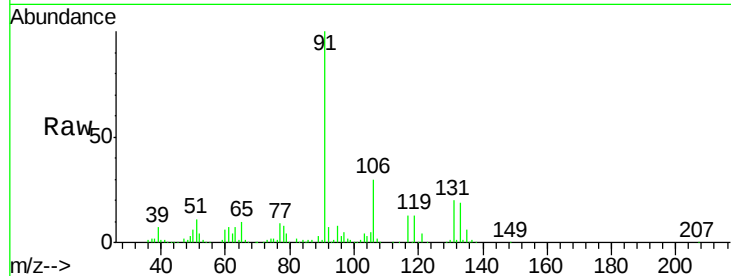
VN1116WBSD01

Tot Ion: 91 Resp: 333286

Ion Ratio Lower Upper

91 100

106 29.7 23.6 35.4



#68

m/p-Xylenes

Concen: 34.864 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064658.D

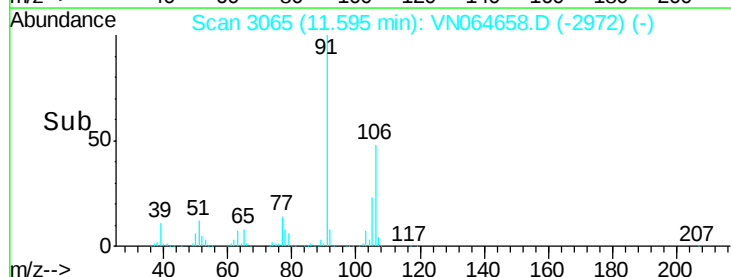
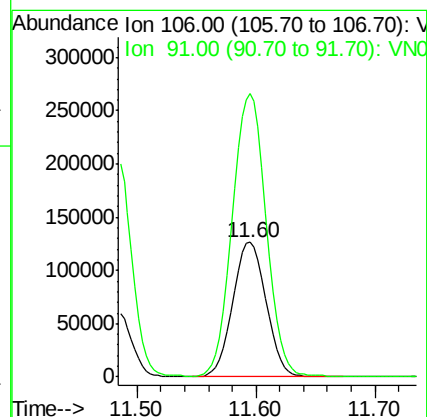
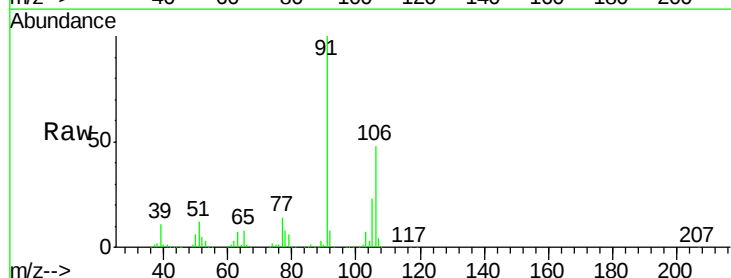
Acq: 16 Nov 2020 13:15

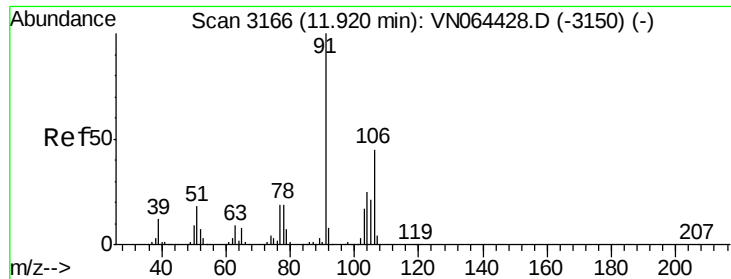
Tgt Ion: 106 Resp: 245311

Ion Ratio Lower Upper

106 100

91 212.8 169.4 254.2

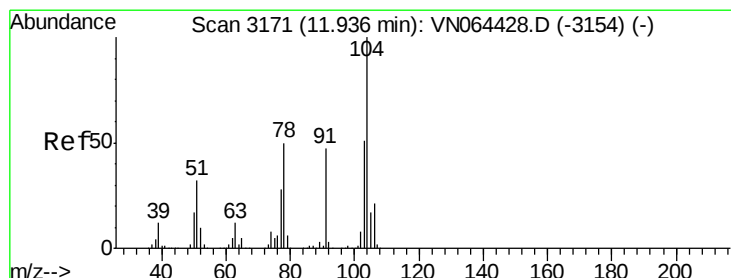
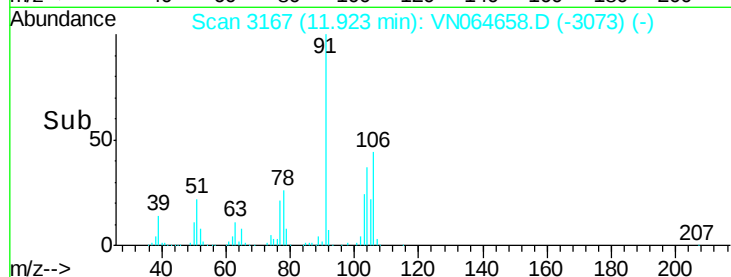
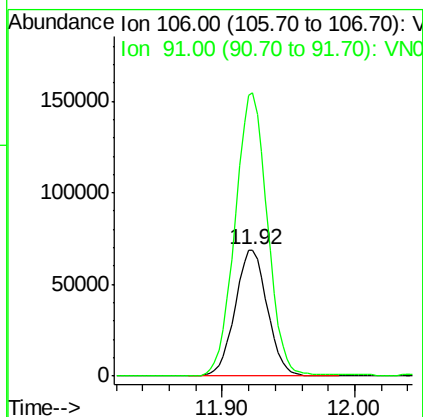
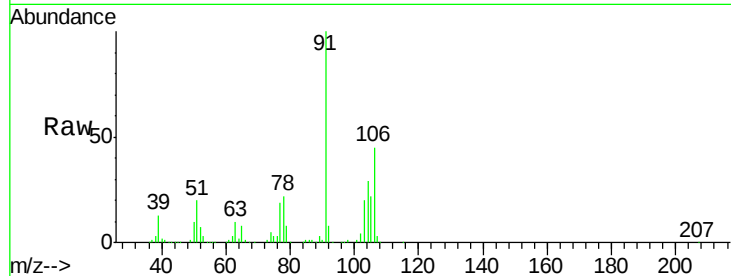




#69
o-Xylene
Concen: 17.113 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

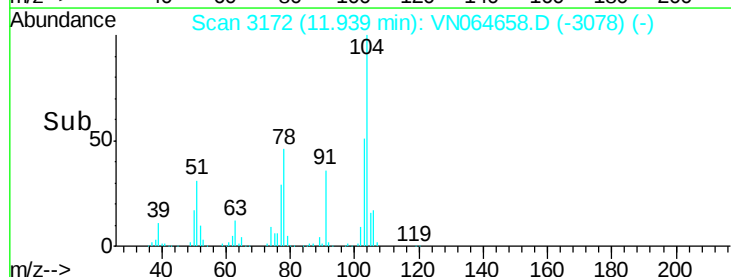
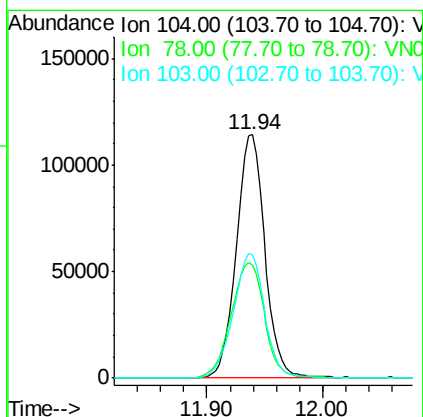
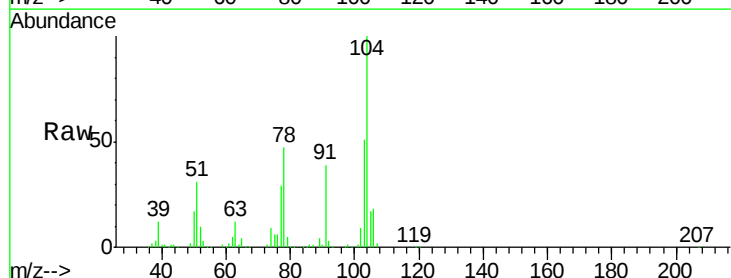
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

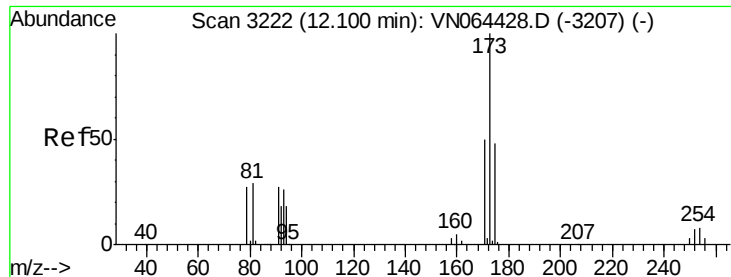
Tot Ion:106 Resp: 116354
Ion Ratio Lower Upper
106 100
91 225.7 111.7 334.9



#70
Styrene
Concen: 17.085 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion:104 Resp: 195478
Ion Ratio Lower Upper
104 100
78 55.4 44.0 66.0
103 56.2 43.8 65.6





#71

Bromoform

Concen: 18.301 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

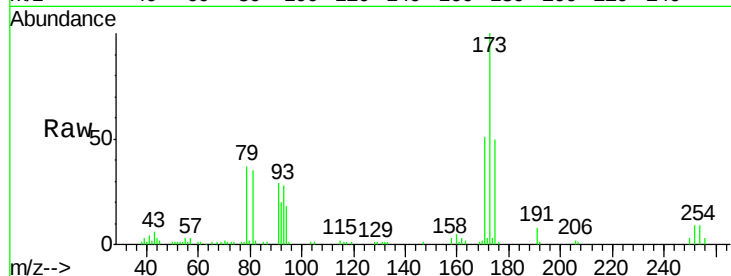
Tot Ion:173 Resp: 53382

Ion Ratio Lower Upper

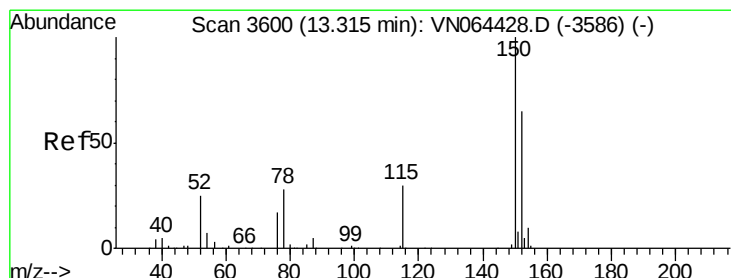
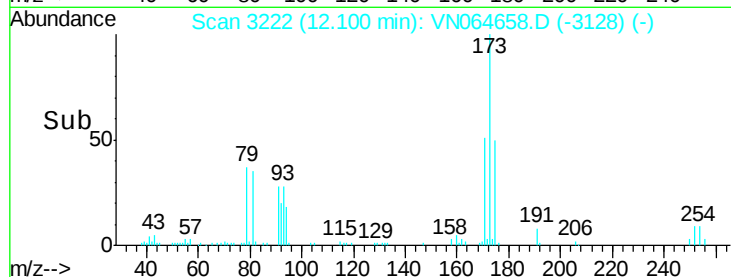
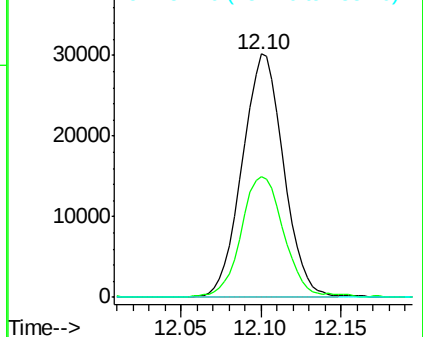
173 100

175 51.5 23.7 71.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

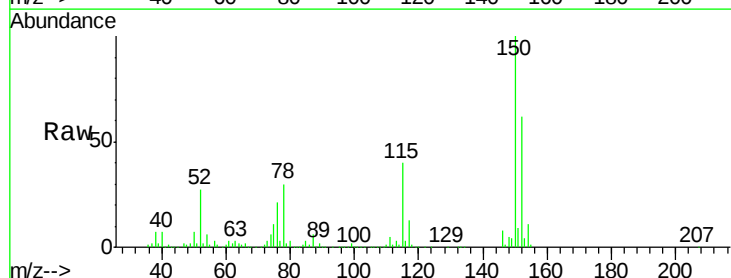
Tgt Ion:152 Resp: 223584

Ion Ratio Lower Upper

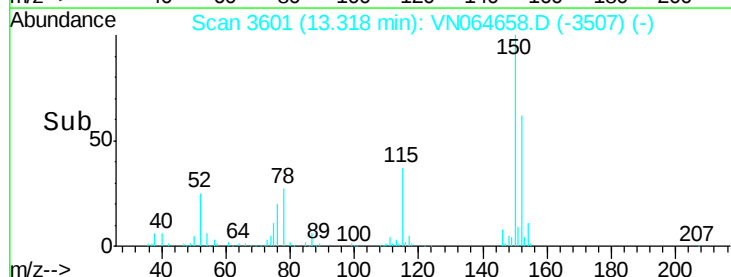
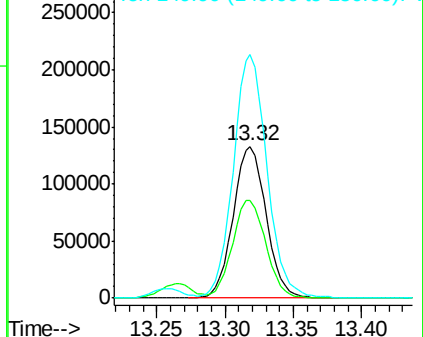
152 100

115 65.2 32.0 96.0

150 163.2 0.0 353.8



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: 17.490 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

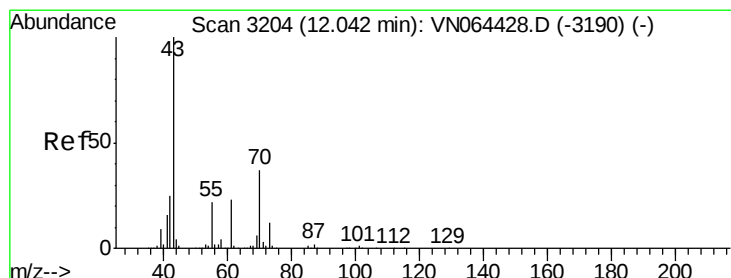
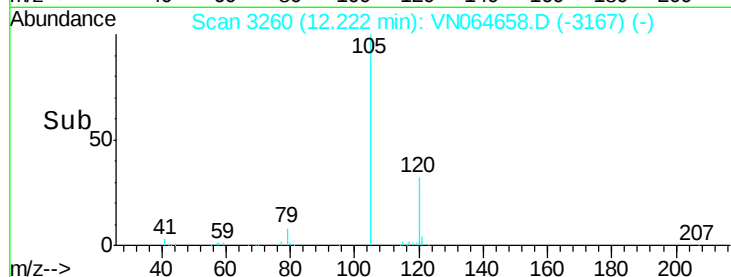
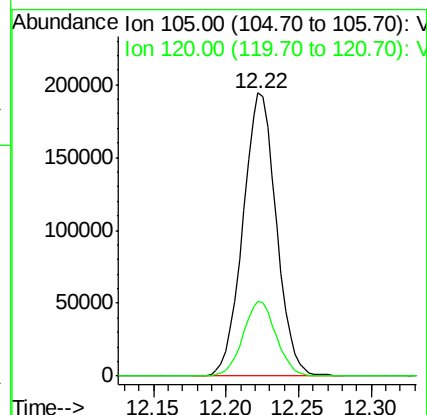
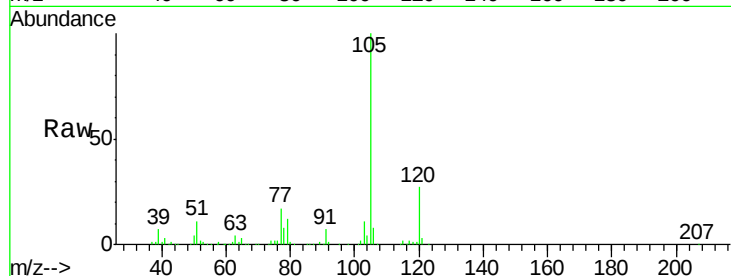
VN1116WBSD01

Tot Ion:105 Resp: 310814

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 15.543 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Tgt Ion: 43 Resp: 126575

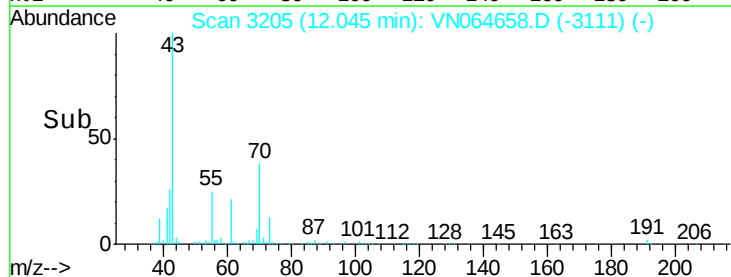
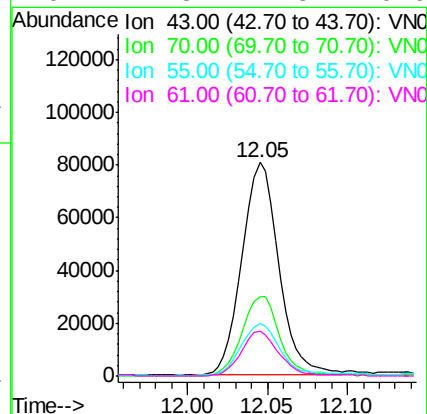
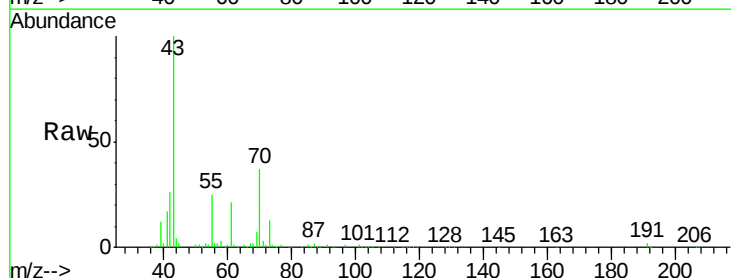
Ion Ratio Lower Upper

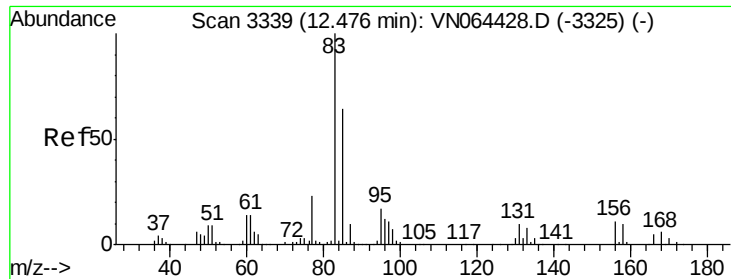
43 100

70 38.3 29.6 44.4

55 25.9 18.4 27.6

61 21.8 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.520 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

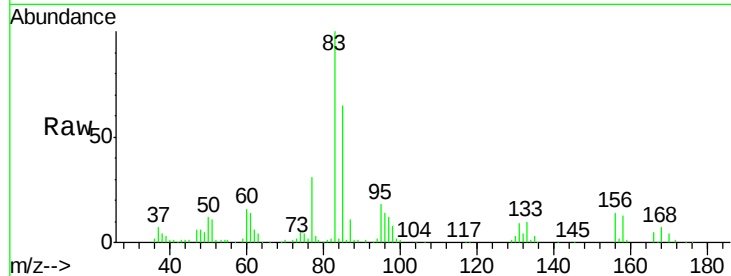
Tot Ion: 83 Resp: 101089

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

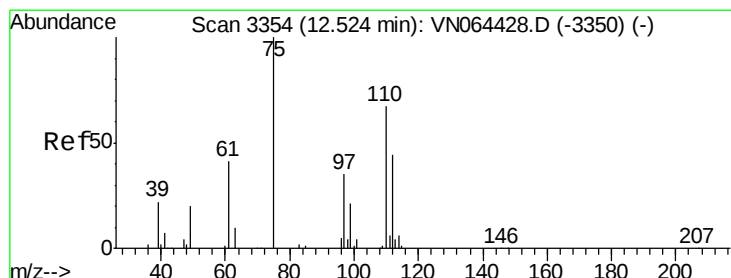
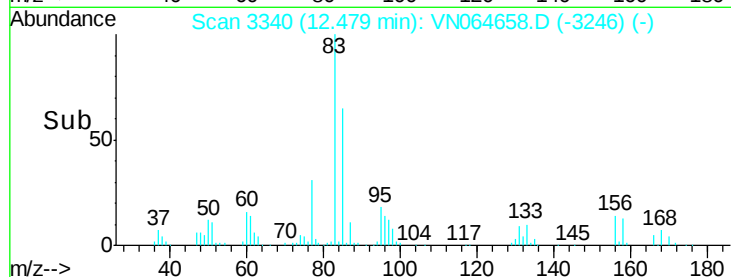
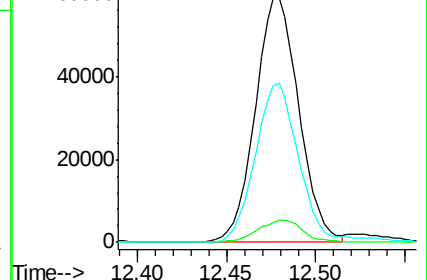
85 65.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 26.080 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064658.D

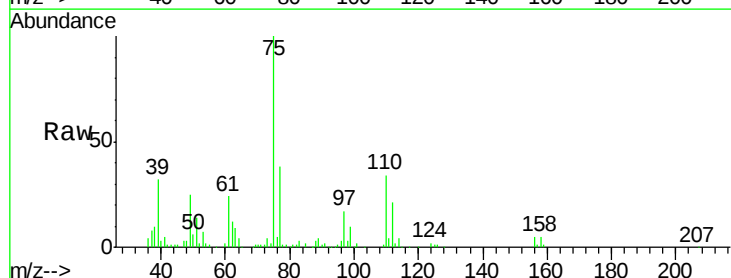
Acq: 16 Nov 2020 13:15

Tgt Ion: 75 Resp: 141280

Ion Ratio Lower Upper

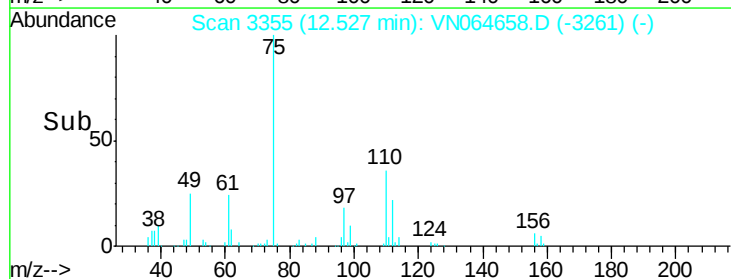
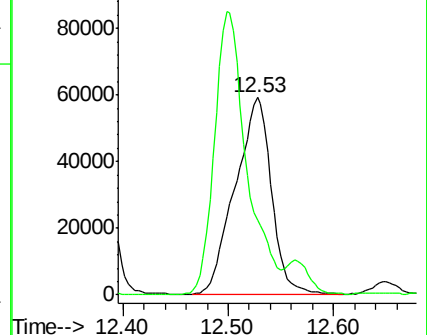
75 100

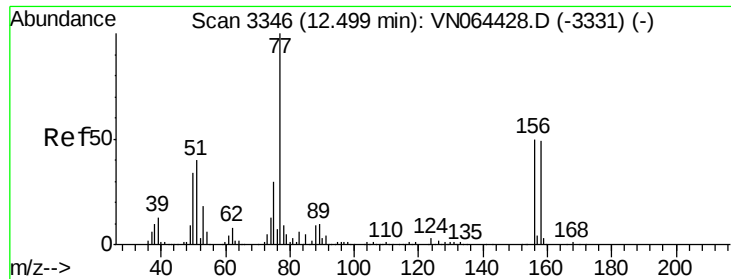
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

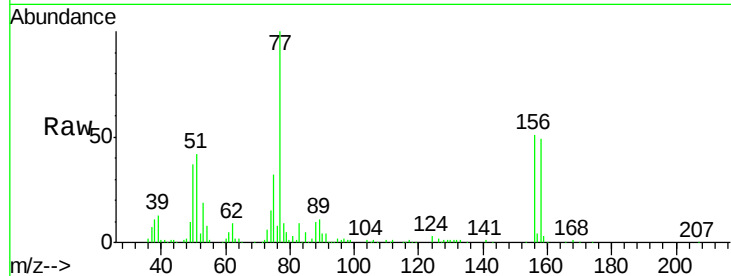




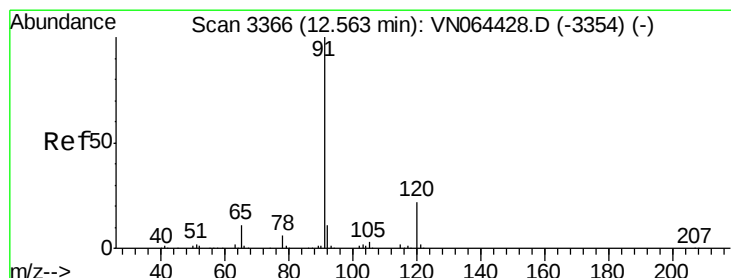
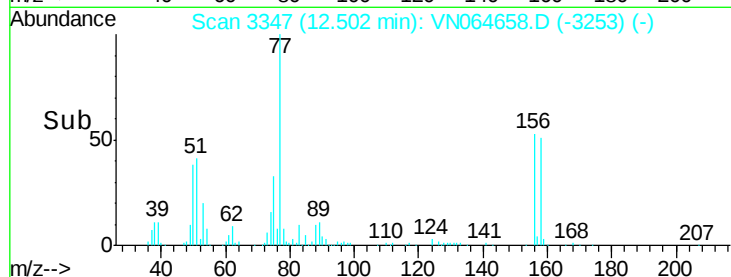
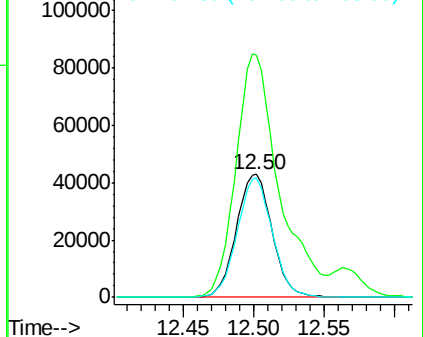
#77
Bromobenzene
Concen: 17.581 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Instrument :
MSVOA_N
ClientSampled :
VN1116WBSD01

Tot Ion:156 Resp: 76280
Ion Ratio Lower Upper
156 100
77 236.4 119.0 357.0
158 95.7 48.4 145.3

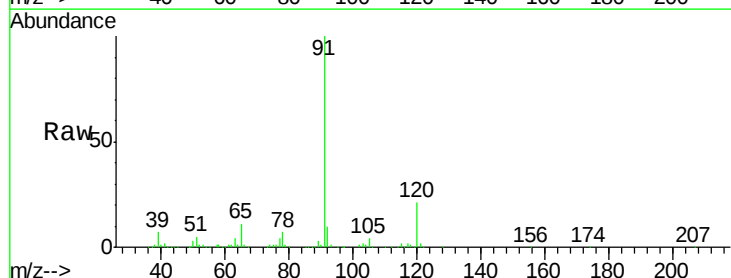


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

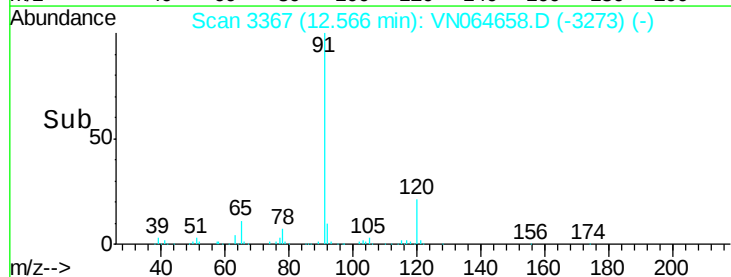
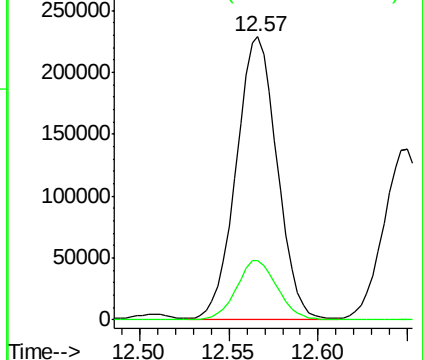


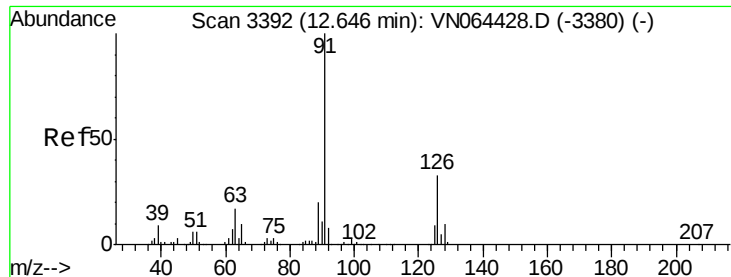
#78
n-propylbenzene
Concen: 18.148 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 91 Resp: 367695
Ion Ratio Lower Upper
91 100
120 20.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.795 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

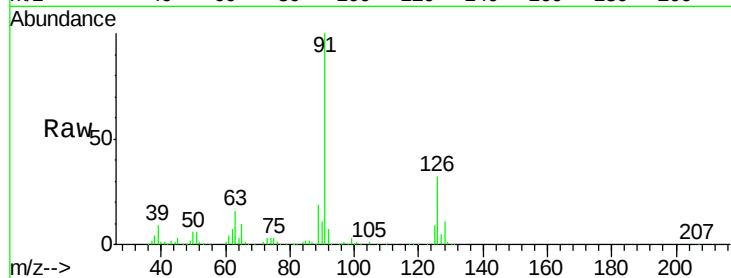
VN1116WBSD01

Tot Ion: 91 Resp: 228664

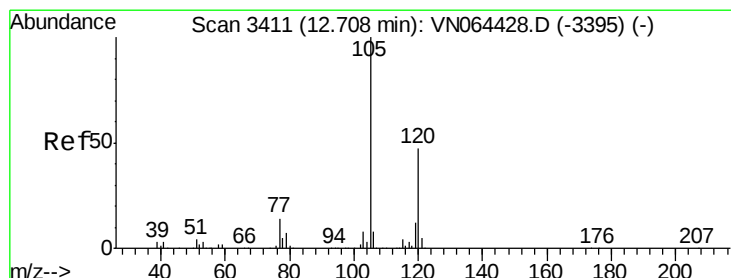
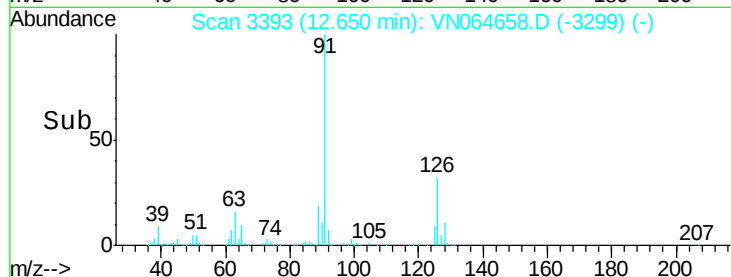
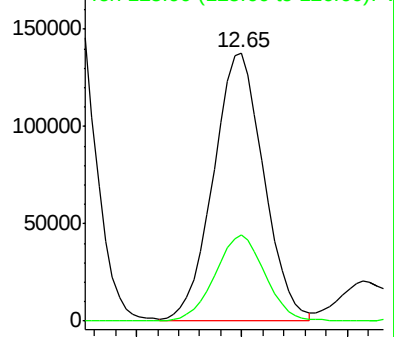
Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.742 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064658.D

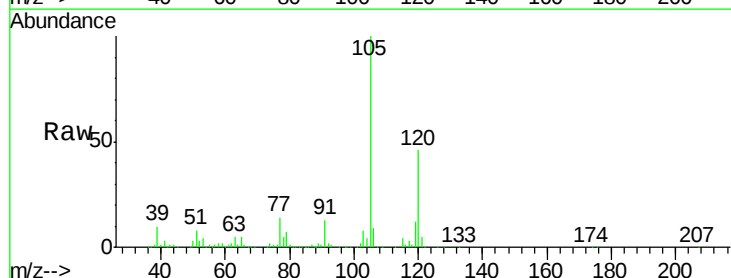
Acq: 16 Nov 2020 13:15

Tgt Ion: 105 Resp: 260115

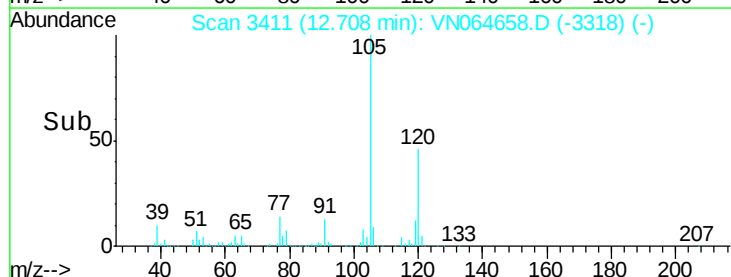
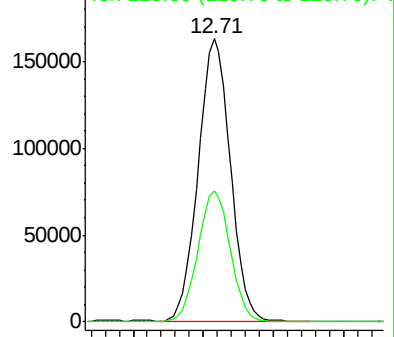
Ion Ratio Lower Upper

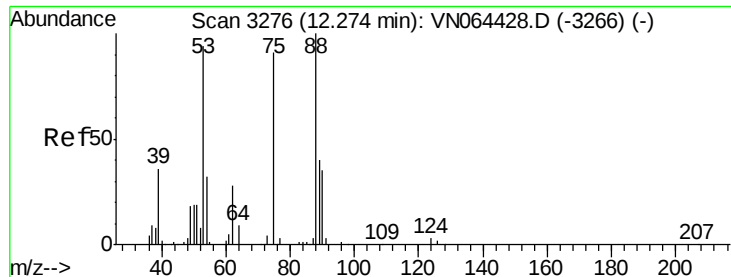
105 100

120 46.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.174 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

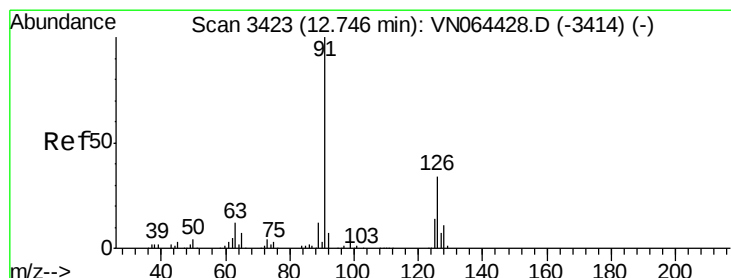
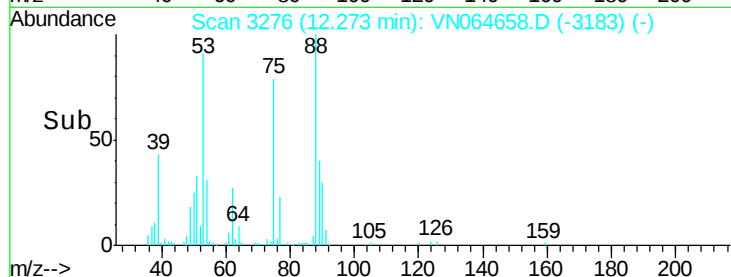
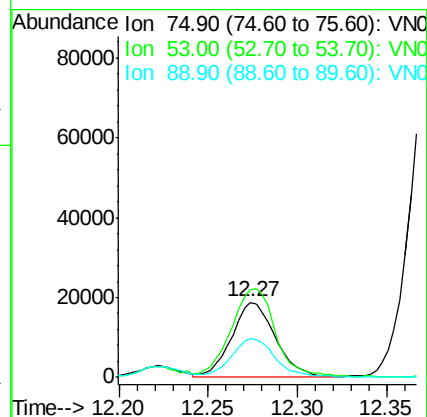
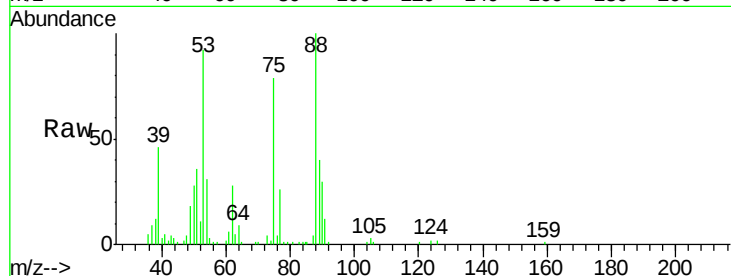
MSVOA_N

ClientSampleId :

VN1116WBSD01

Tot Ion: 75 Resp: 31380

Ion	Ratio	Lower	Upper
75	100		
53	121.8	84.0	126.0
89	52.4	36.3	54.5



#82

4-Chlorotoluene

Concen: 17.635 ug/l

RT: 12.75 min Scan# 3423

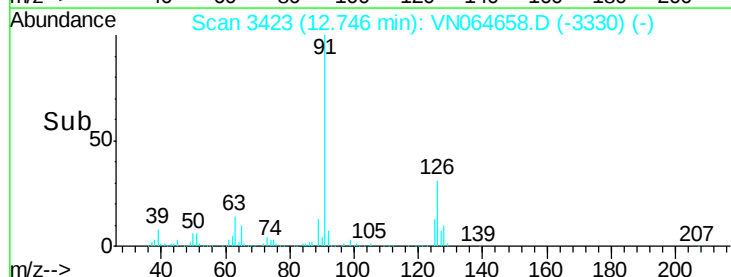
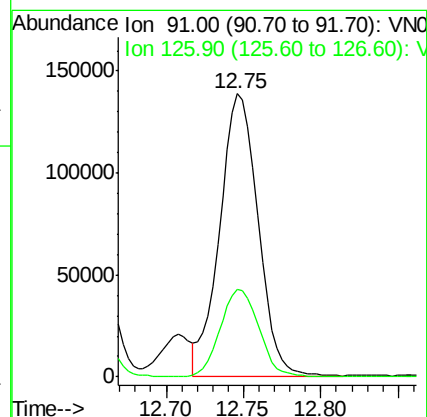
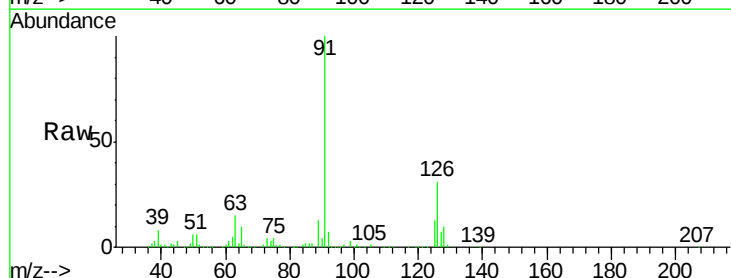
Delta R.T. -0.00 min

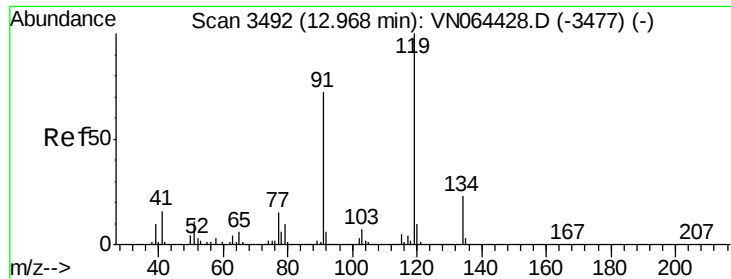
Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Tgt Ion: 91 Resp: 237319

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2

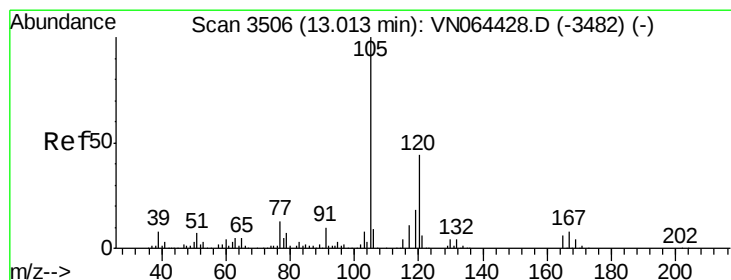
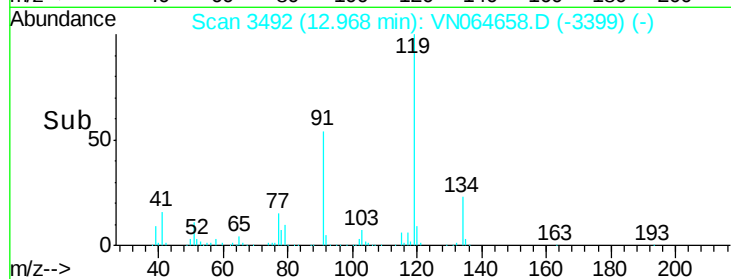
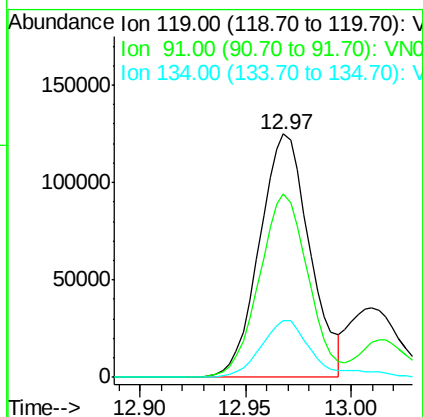
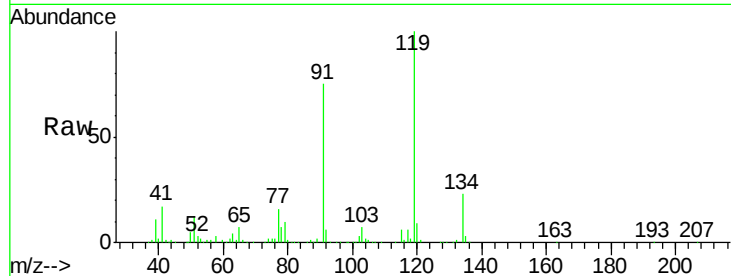




#83
tert-Butylbenzene
Concen: 18.053 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

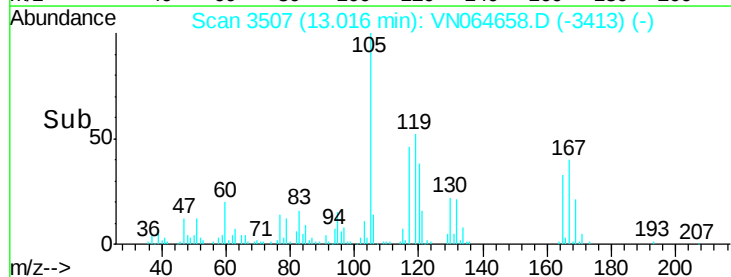
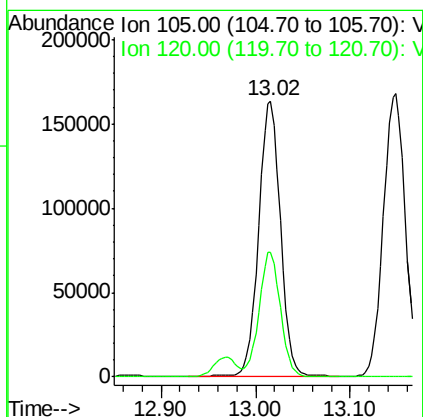
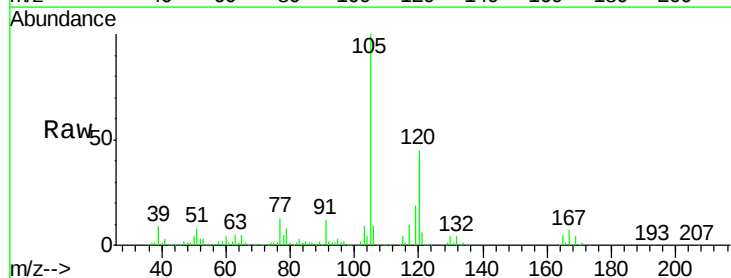
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

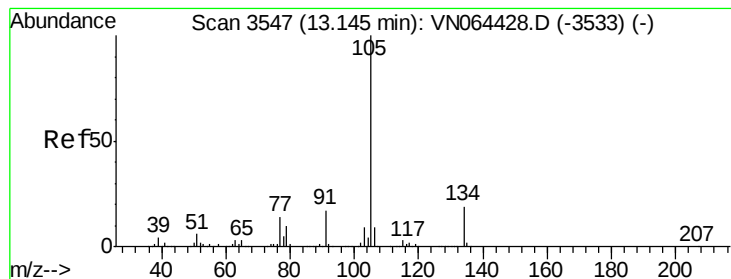
Tot Ion:119 Resp: 206708
Ion Ratio Lower Upper
119 100
91 73.3 36.1 108.3
134 24.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 17.870 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion:105 Resp: 263362
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.742 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

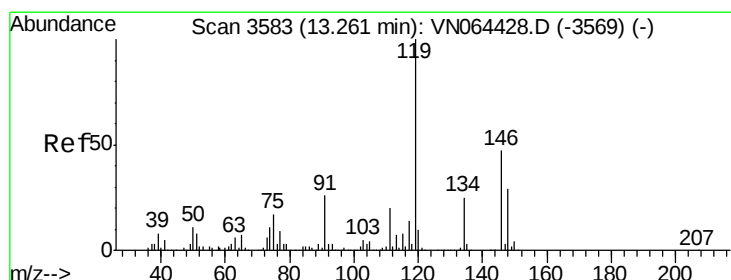
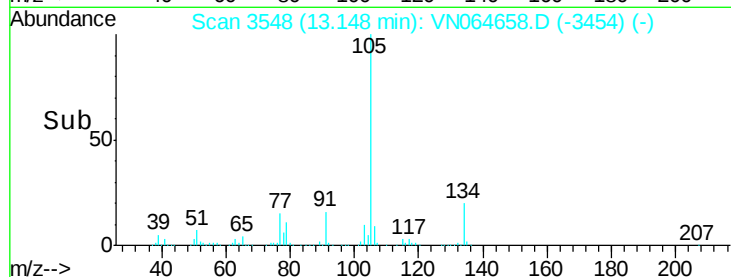
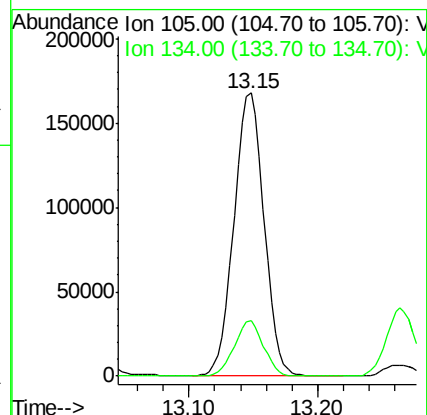
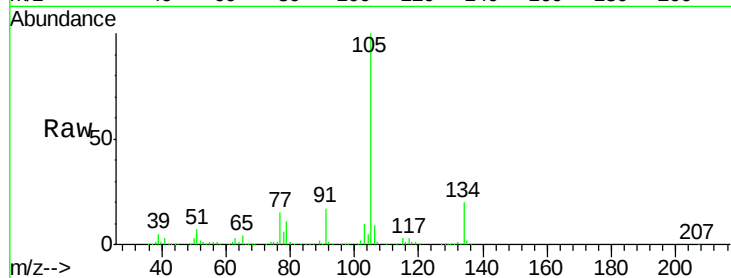
VN1116WBSD01

Tot Ion:105 Resp: 271791

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 18.453 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

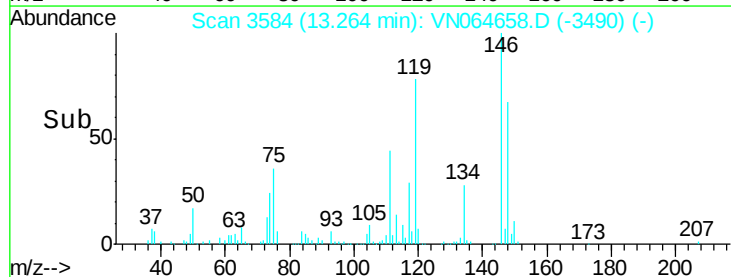
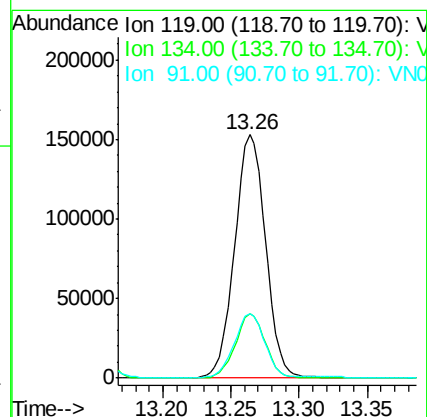
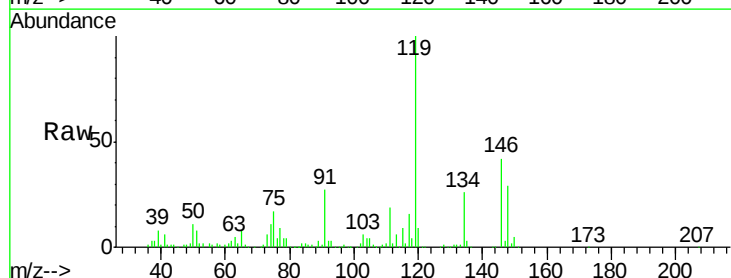
Tgt Ion:119 Resp: 240692

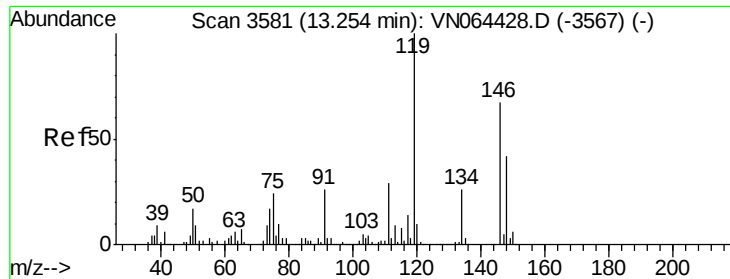
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.6

91 25.8 12.8 38.3

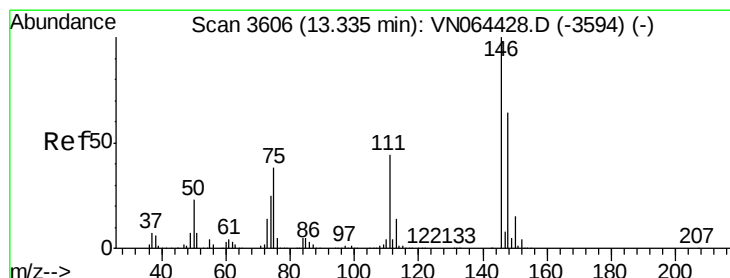
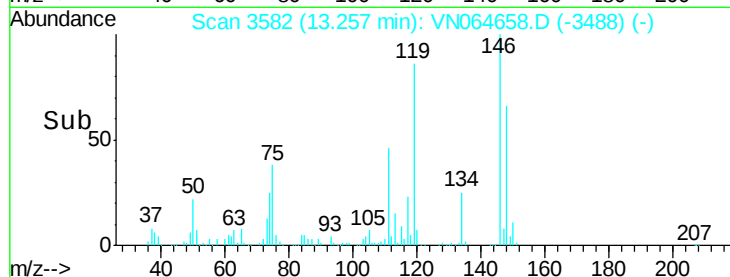
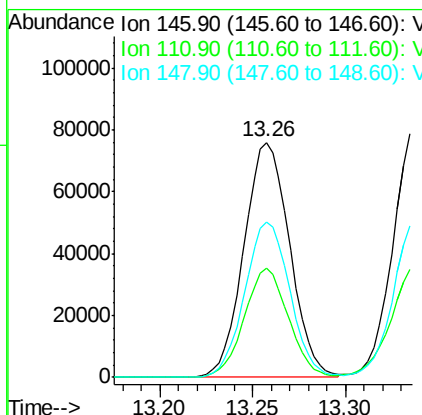
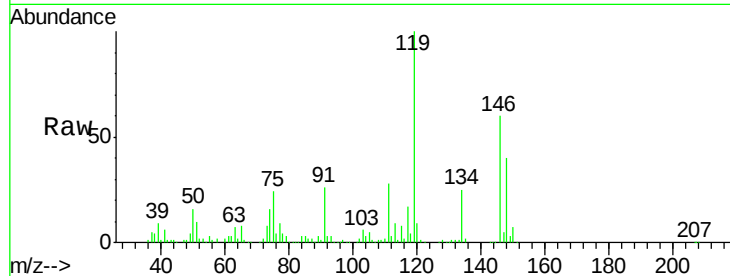




#87
 1,3-Dichlorobenzene
 Concen: 17.337 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

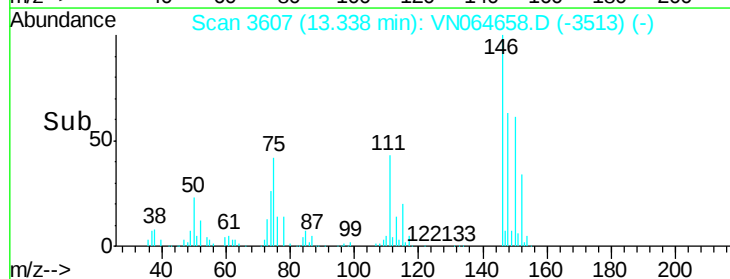
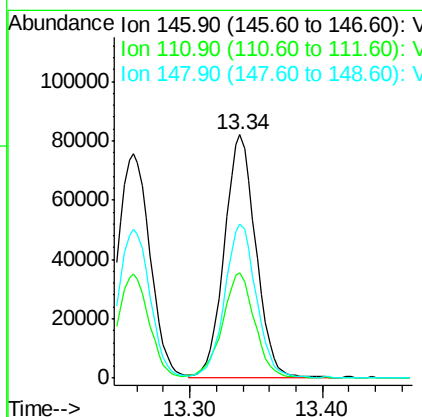
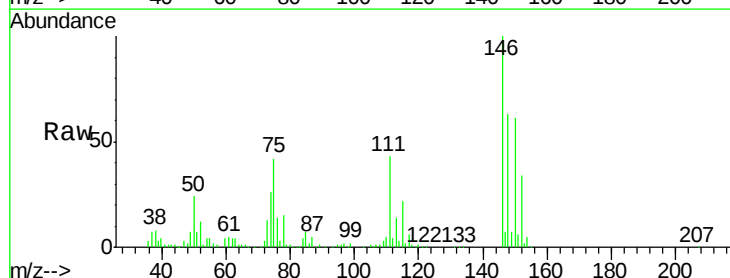
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

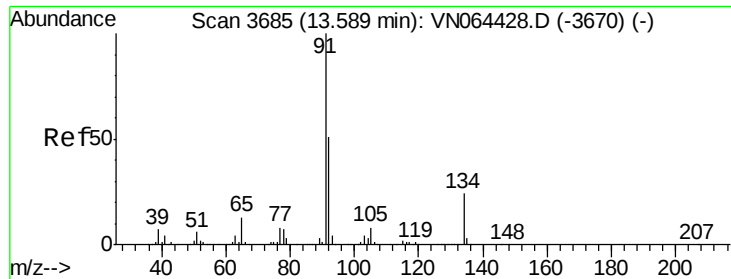
Tot Ion:146 Resp: 130027
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.1 66.1
 148 65.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 17.301 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion:146 Resp: 134095
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.8 65.3
 148 63.5 32.4 97.2

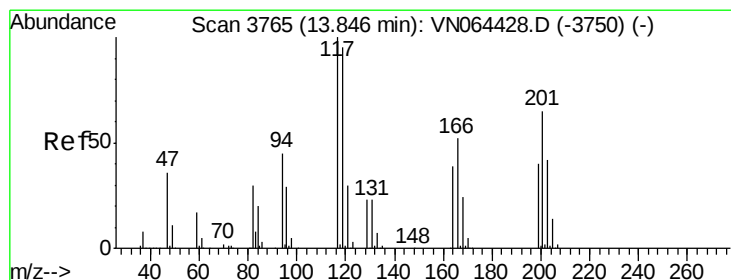
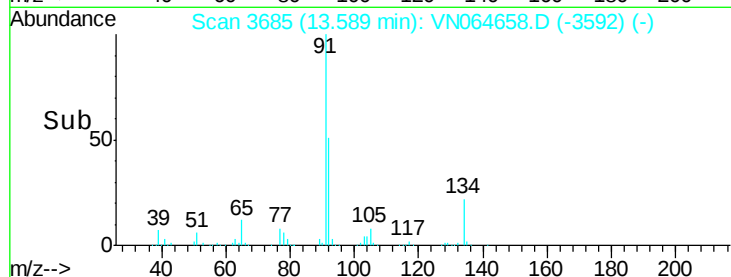
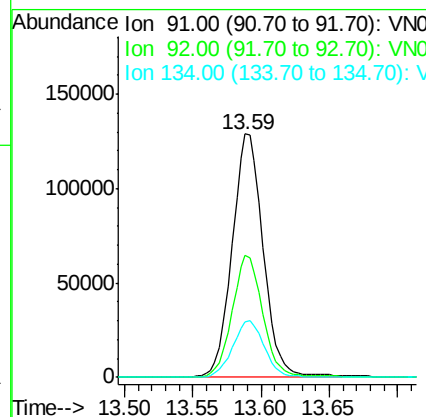
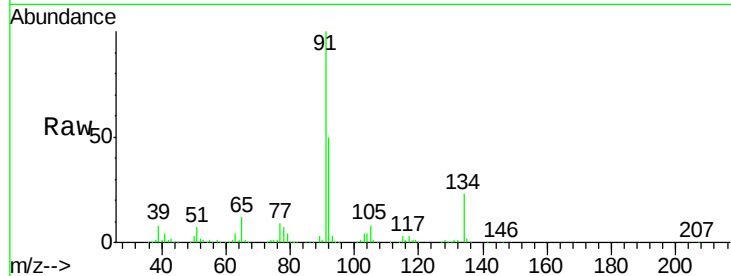




#89
n-Butylbenzene
Concen: 18.034 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

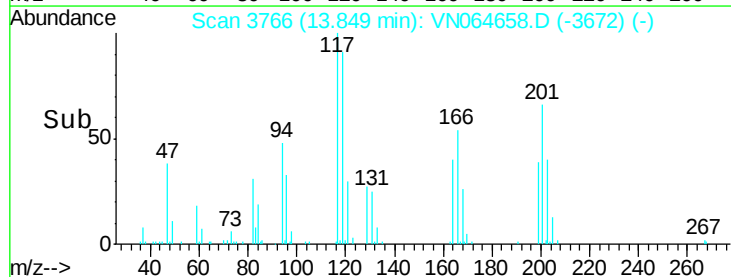
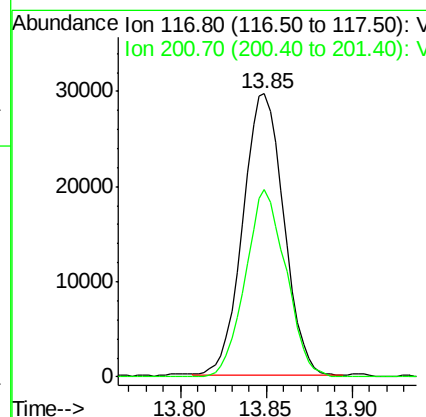
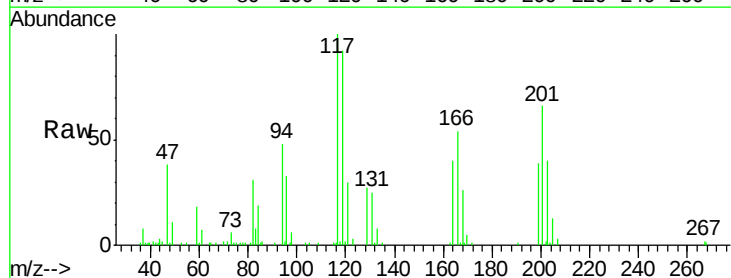
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD01

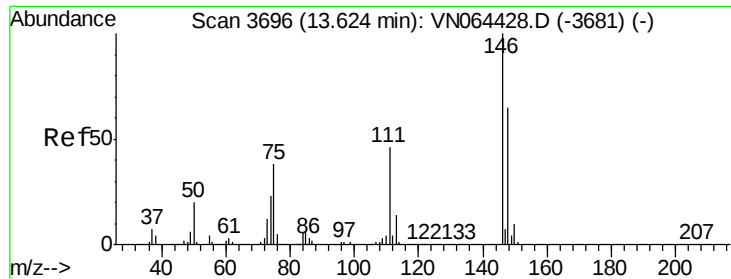
Tot Ion: 91 Resp: 202250
Ion Ratio Lower Upper
91 100
92 49.6 25.3 75.9
134 23.9 11.8 35.4



#90
Hexachloroethane
Concen: 19.463 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064658.D
Acq: 16 Nov 2020 13:15

Tgt Ion: 117 Resp: 48973
Ion Ratio Lower Upper
117 100
201 65.9 32.5 97.5

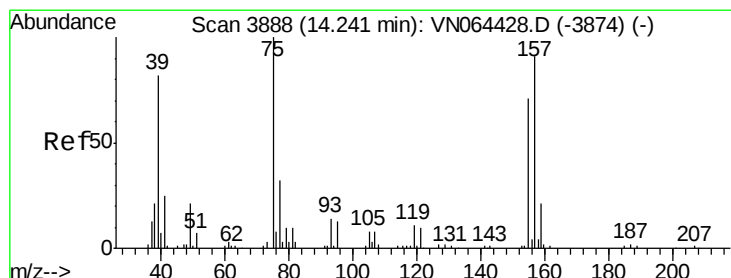
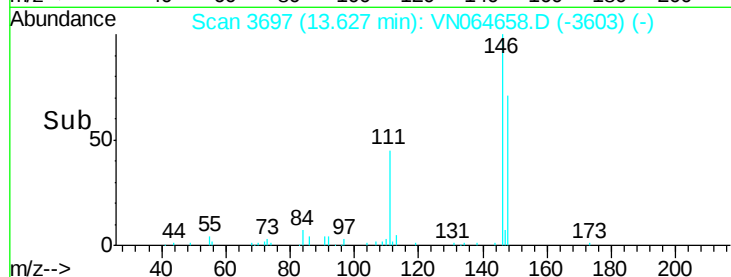
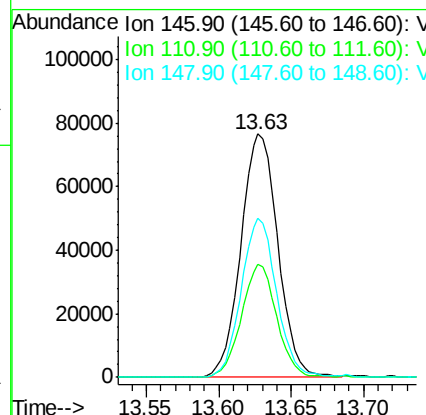
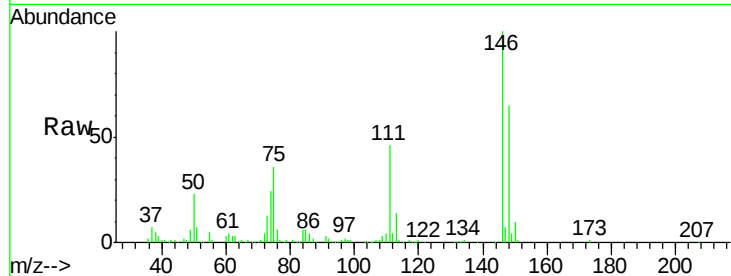




#91
 1,2-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

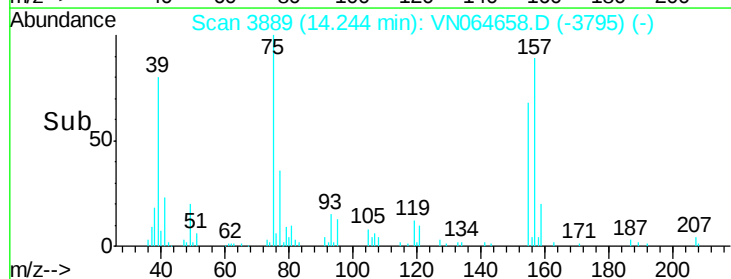
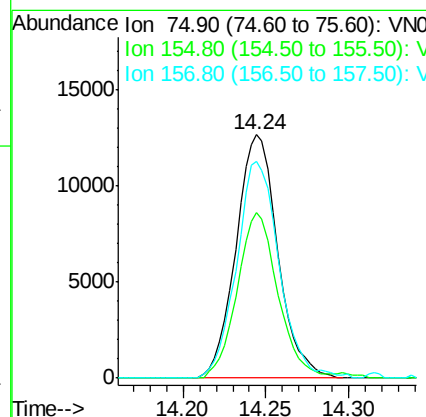
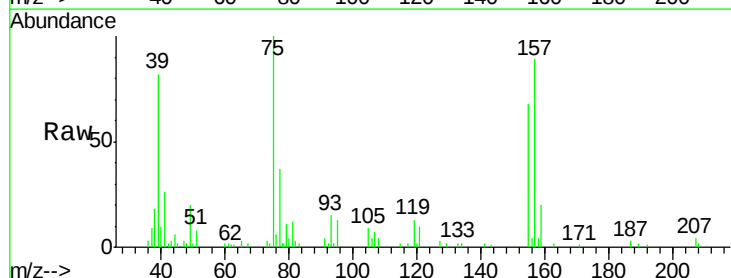
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

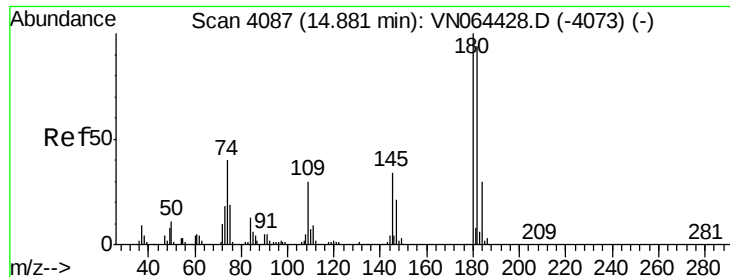
Tot Ion:146 Resp: 135970
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.9 68.7
 148 62.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.438 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion: 75 Resp: 22211
 Ion Ratio Lower Upper
 75 100
 155 66.0 34.6 103.9
 157 90.8 43.0 128.8

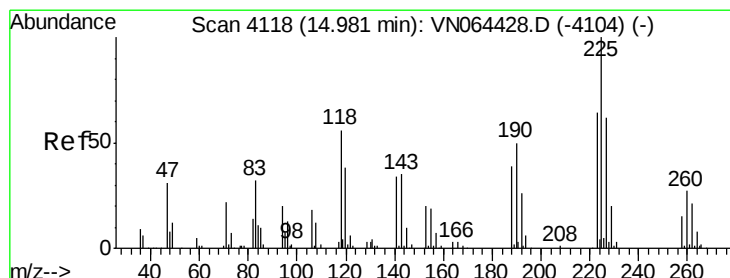
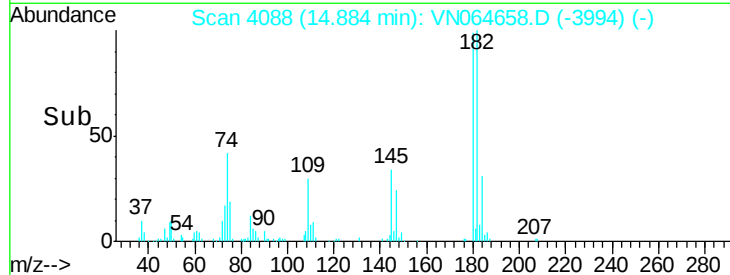
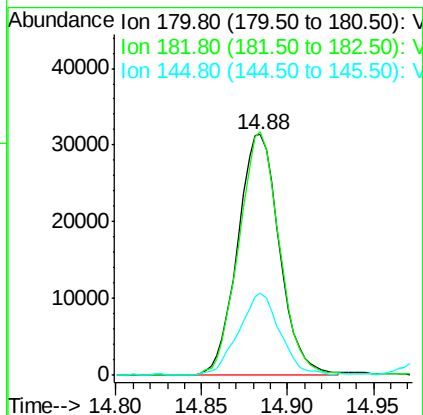
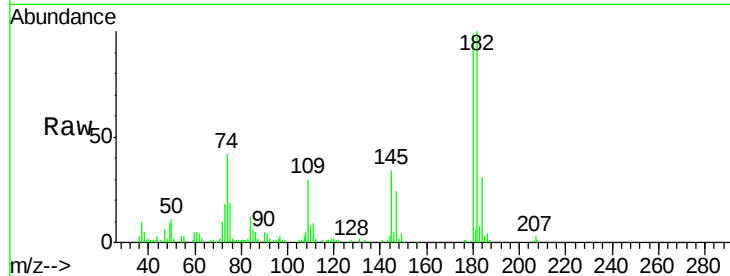




#93
 1,2,4-Trichlorobenzene
 Concen: 16.586 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

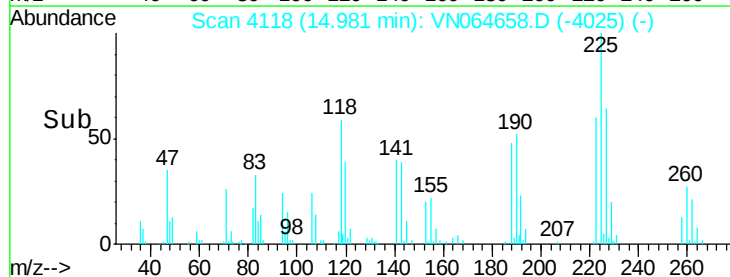
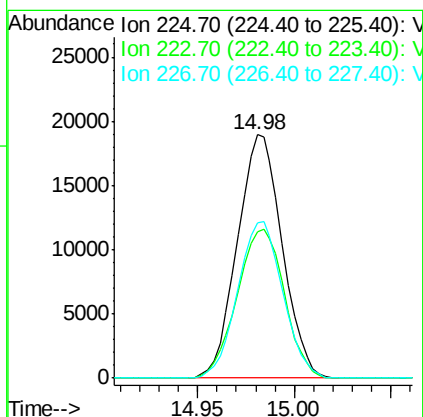
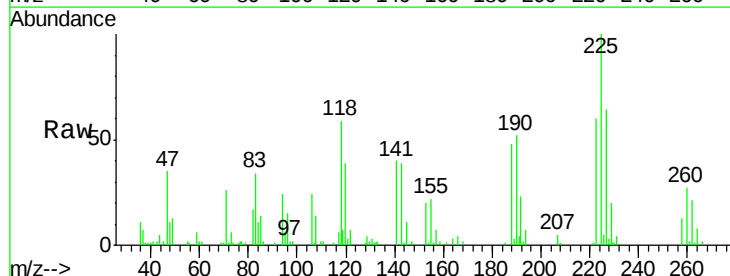
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

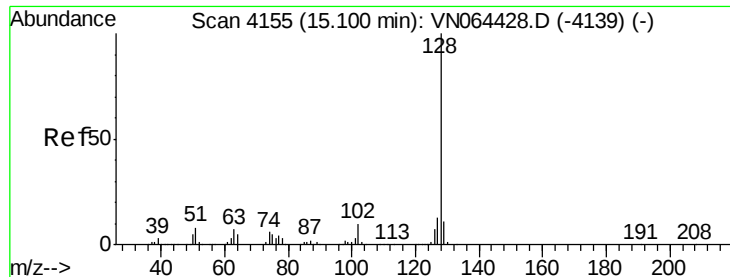
Tot Ion:180 Resp: 52759
 Ion Ratio Lower Upper
 180 100
 182 98.5 47.3 142.0
 145 33.9 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 20.748 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064658.D
 Acq: 16 Nov 2020 13:15

Tgt Ion:225 Resp: 30475
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.8 95.4
 227 64.7 31.8 95.4





#95

Naphthalene

Concen: 16.439 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD01

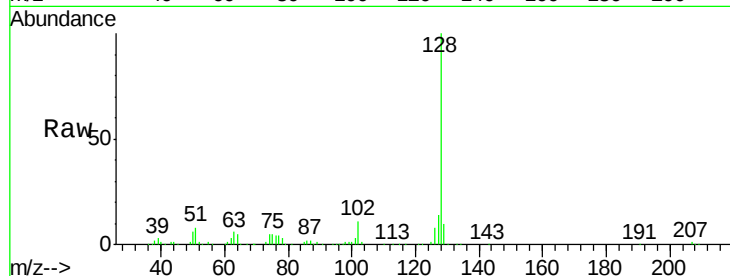
Tot Ion:128 Resp: 169440

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

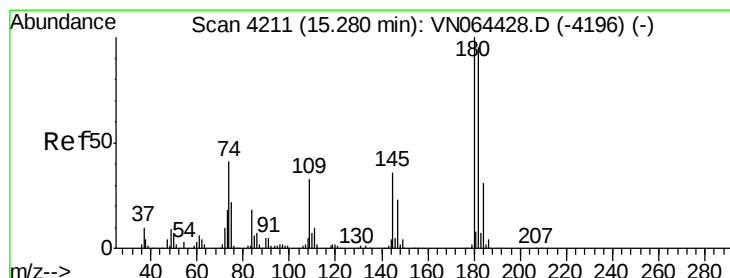
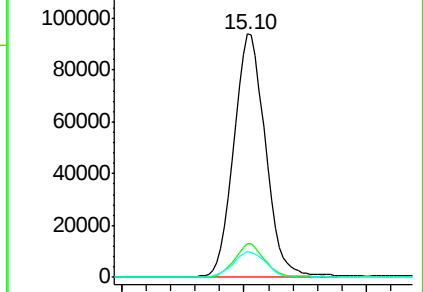
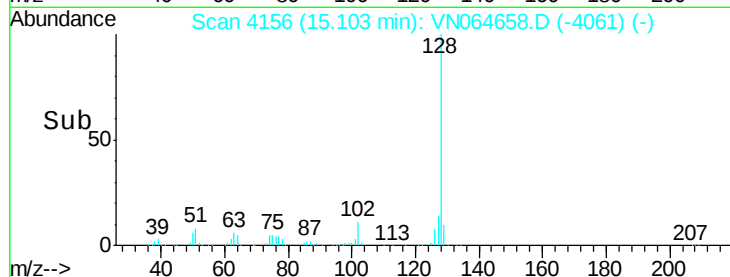
129 10.9 8.8 13.2



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: 18.012 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064658.D

Acq: 16 Nov 2020 13:15

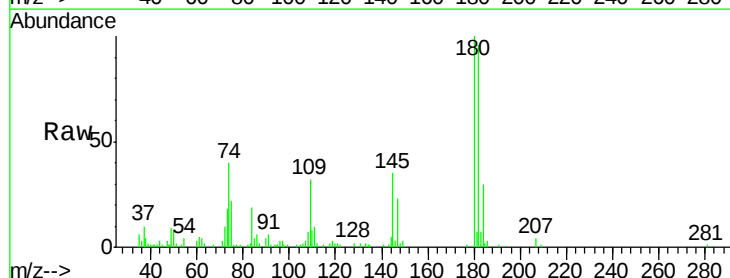
Tgt Ion:180 Resp: 55993

Ion Ratio Lower Upper

180 100

182 96.5 47.7 143.1

145 35.1 18.3 54.8



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

