

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064421.D
 Acq On : 2 Nov 2020 18:01
 Operator : JC/MD
 Sample : VN1102WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Quant Time: Nov 03 03:16:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53303	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	296335	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273696	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	137490	31.60	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.33%
60) 4-Bromofluorobenzene	12.37	95	135754	29.35	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.83%
63) Toluene-d8	10.06	98	366501	30.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	60825	17.742	ug/l 99
3) Chloromethane	2.04	50	64591	18.239	ug/l 98
4) Vinyl Chloride	2.16	62	68371	18.712	ug/l 100
5) Bromomethane	2.54	94	44736	18.759	ug/l 93
6) Chloroethane	2.68	64	40979	19.218	ug/l 100
7) Trichlorofluoromethane	2.99	101	114819	18.969	ug/l 95
8) Diethyl Ether	3.37	74	32975	17.756	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54599	18.123	ug/l 98
10) 1,1-Dichloroethene	3.70	96	52473	18.197	ug/l 88
11) Methyl Iodide	3.91	142	63686	16.454	ug/l 100
12) Methyl Acetate	4.28	43	54488	18.057	ug/l 91
13) Acrolein	3.57	56	29828	102.408	ug/l 94
14) Acrylonitrile	4.93	53	129015	95.028	ug/l 98
15) Acetone	3.77	58	34633	73.621	ug/l 92
16) Carbon Disulfide	4.01	76	143936	17.588	ug/l 98
17) Allyl chloride	4.28	41	92498	18.288	ug/l 96
18) Methylene Chloride	4.50	84	59387	17.799	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56973	17.951	ug/l 96
20) Diisopropyl ether	5.90	45	203000	18.756	ug/l 98
21) 1,1-Dichloroethane	5.79	63	65619	10.750	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	66942	17.800	ug/l 97
23) tert-Butyl Alcohol	4.73	59	50441	97.835	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	189857	18.398	ug/l # 92
25) Chloroform	7.33	83	118755	18.162	ug/l 98
26) Cyclohexane	7.61	56	85444	17.673	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86764	18.199	ug/l 87
30) 2-Butanone	6.78	43	188583	87.127	ug/l 99
31) 2,2-Dichloropropane	6.77	77	105766	18.071	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	111610	17.858	ug/l 97
33) Carbon Tetrachloride	7.73	117	100548	17.859	ug/l 98
34) Benzene	8.00	78	244454	18.097	ug/l 98
35) Methacrylonitrile	7.12	41	34465	16.107	ug/l 95
36) 1,2-Dichloroethane	8.08	62	100798	18.044	ug/l 99
37) Trichloroethene	8.80	130	68447	18.049	ug/l 97
38) Methylcyclohexane	9.05	83	73753	17.055	ug/l 96
39) 1,2-Dichloropropane	9.08	63	65341	18.854	ug/l 100
40) Dibromomethane	9.17	93	47316	18.838	ug/l 96

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Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	97342	18.347	ug/l	98
42) Vinyl Acetate	5.84	43	837177	91.365	ug/l	99
43) Ethyl Acetate	6.88	43	81062	19.340	ug/l #	80
44) Isopropyl Acetate	8.12	43	137038	18.380	ug/l #	90
45) 1,4-Dioxane	9.16	88	19214	367.253	ug/l	94
46) Methyl methacrylate	9.16	41	71415	19.402	ug/l	91
47) n-amyl Acetate	12.04	43	110307	17.395	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	101948	17.411	ug/l	97
49) cis-1,3-Dichloropropene	9.80	75	108365	17.886	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	60211	17.853	ug/l	90
51) Ethyl methacrylate	10.40	69	83721	17.281	ug/l	99
52) 1,3-Dichloropropane	10.68	76	103463	18.192	ug/l	98
53) Dibromochloromethane	10.87	129	73634	17.775	ug/l	100
54) 1,2-Dibromoethane	10.97	107	63035	17.461	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	220245	84.583	ug/l	99
56) Bromoform	12.10	173	50489	17.279	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	394497	91.063	ug/l	99
59) 2-Hexanone	10.72	43	280744	87.070	ug/l	99
61) Tetrachloroethene	10.60	164	65219	17.578	ug/l	97
62) Toluene	10.12	91	270267	17.629	ug/l	99
64) Chlorobenzene	11.41	112	168497	17.557	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	67924	18.216	ug/l	98
66) Ethyl Benzene	11.48	91	297178	17.567	ug/l	96
67) m/p-Xylenes	11.59	106	223277	35.091	ug/l	98
68) o-Xylene	11.92	106	106096	17.303	ug/l	96
69) Styrene	11.94	104	179998	17.605	ug/l	97
70) Isopropylbenzene	12.22	105	276986	17.461	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	77720	17.618	ug/l	94
72) 1,2,3-Trichloropropane	12.53	75	114164	24.787	ug/l	62
73) Bromobenzene	12.50	156	71355	17.337	ug/l	96
74) n-propylbenzene	12.56	91	301258	17.319	ug/l	98
75) 2-Chlorotoluene	12.65	91	189349	17.184	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	225908	17.288	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	26887	16.560	ug/l	95
78) 4-Chlorotoluene	12.75	91	193462	16.994	ug/l	98
79) tert-butylbenzene	12.96	119	185910	17.788	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	225016	16.996	ug/l	99
81) sec-Butylbenzene	13.14	105	224963	17.064	ug/l	100
82) p-Isopropyltoluene	13.26	119	201708	16.651	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	118689	16.974	ug/l	96
84) 1,4-Dichlorobenzene	13.33	146	114145	16.206	ug/l	97
85) n-Butylbenzene	13.59	91	158438	16.386	ug/l	99
86) Hexachloroethane	13.85	117	38011	16.733	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	115004	17.035	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	16927	17.813	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	50462	15.286	ug/l	98
90) Hexachlorobutadiene	14.98	225	29198	16.618	ug/l	98
91) Naphthalene	15.10	128	145522	14.838	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	51144	15.667	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 03 02:03:38 2020
Response via : Initial Calibration

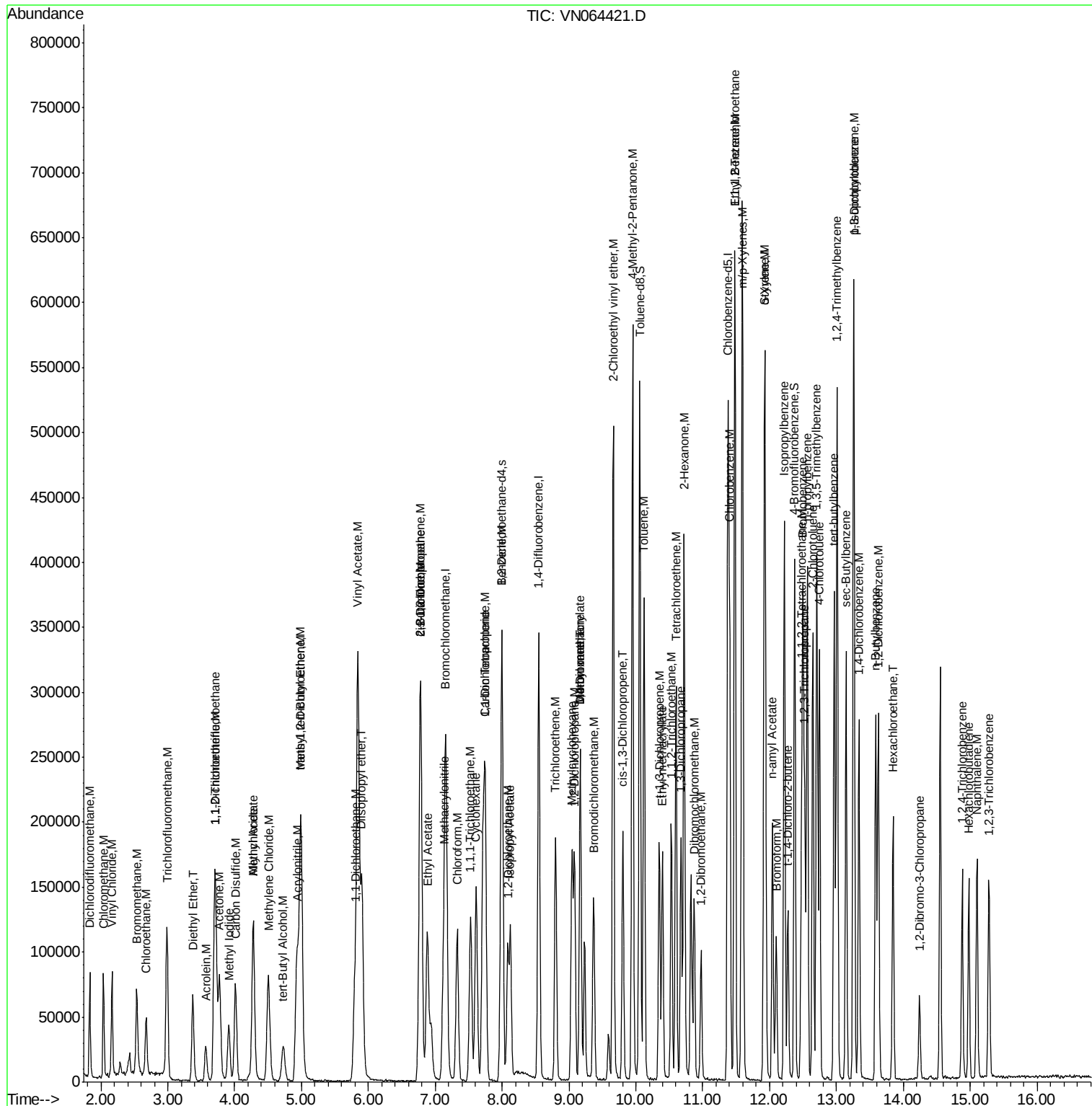
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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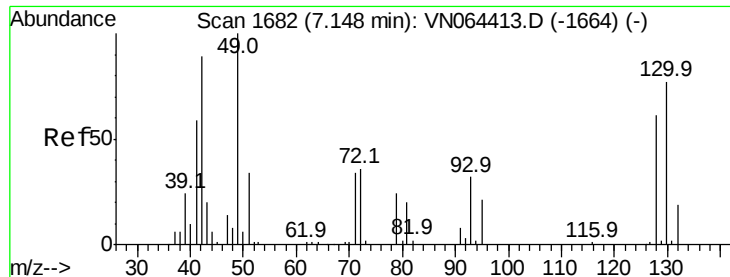
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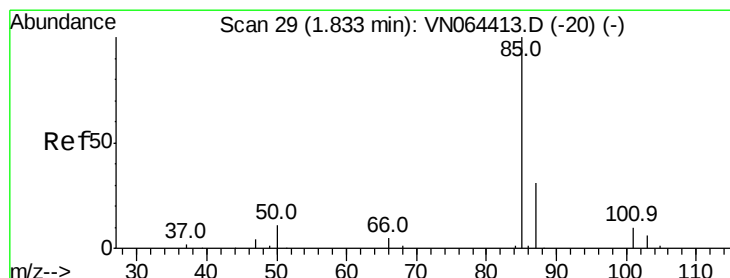
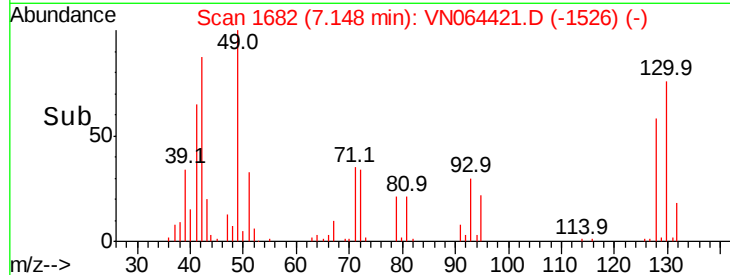
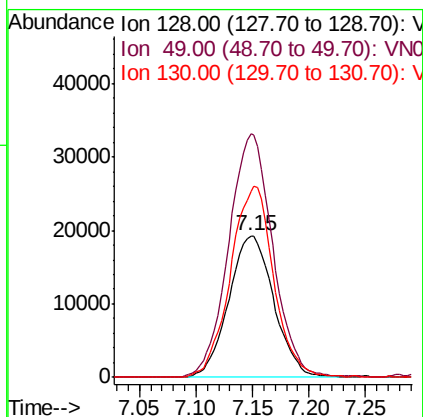
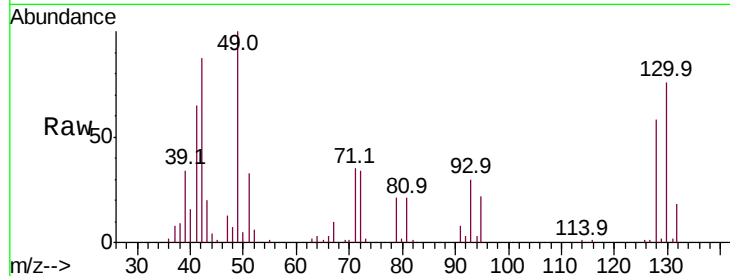




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

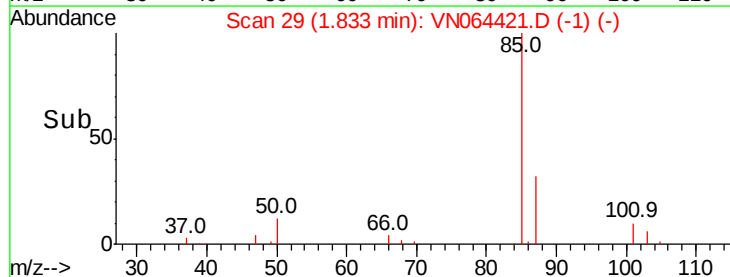
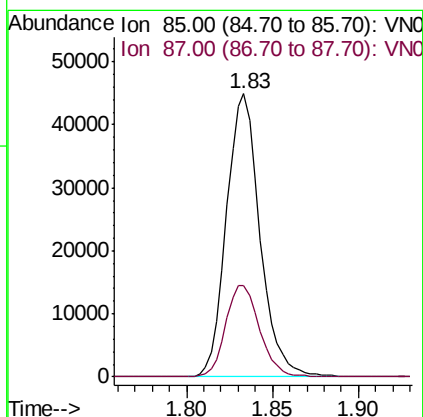
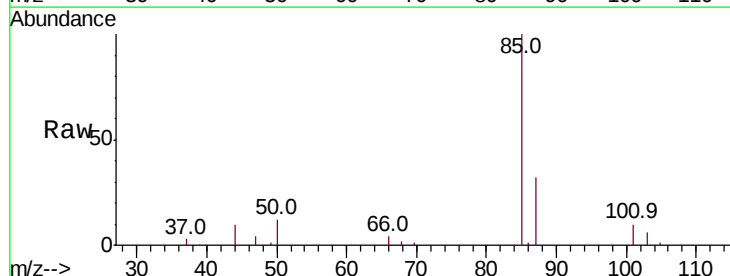
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

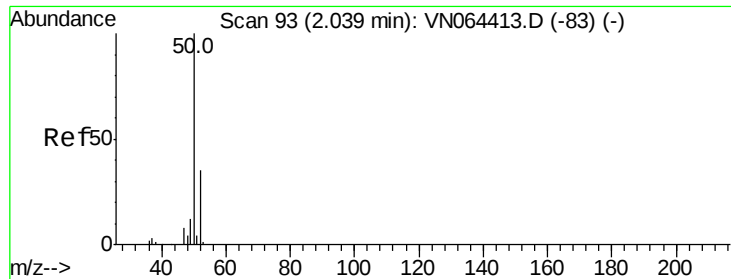
Tot Ion:128 Resp: 53303
 Ion Ratio Lower Upper
 128 100
 49 168.1 0.0 423.5
 130 129.9 0.0 325.0



#2
 Dichlorodifluoromethane
 Concen: 17.742 ug/l
 RT: 1.83 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 85 Resp: 60825
 Ion Ratio Lower Upper
 85 100
 87 32.1 15.7 47.1





#3

Chloromethane

Concen: 18.239 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

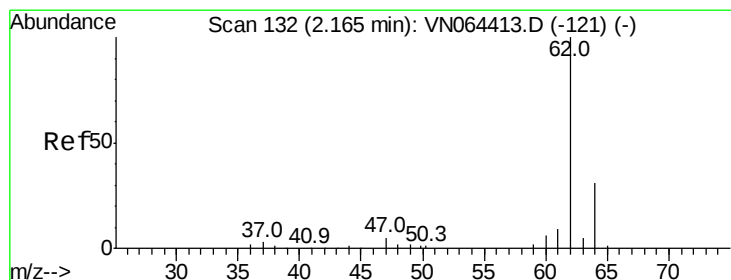
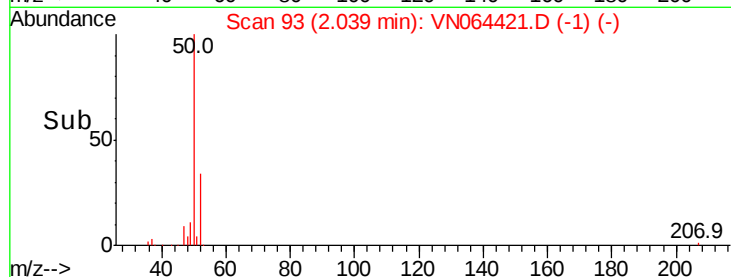
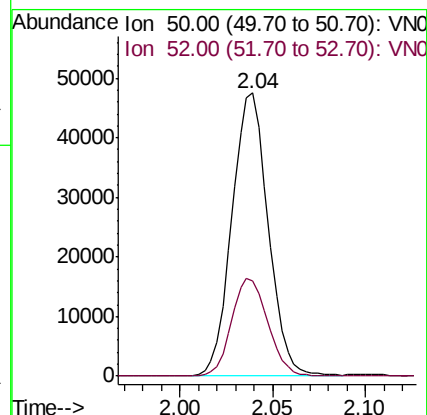
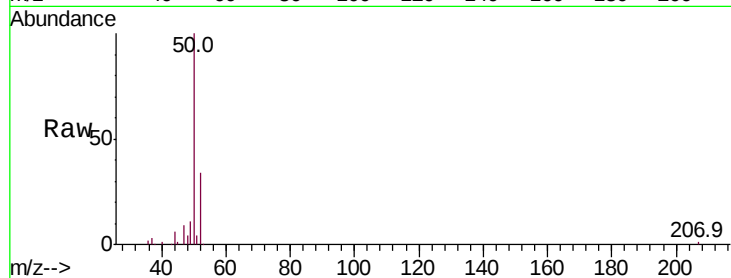
VN1102WBS01

Tot Ion: 50 Resp: 64591

Ion Ratio Lower Upper

50 100

52 33.6 27.7 41.5



#4

Vinyl Chloride

Concen: 18.712 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064421.D

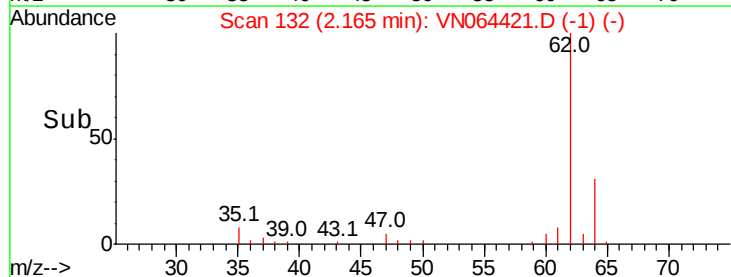
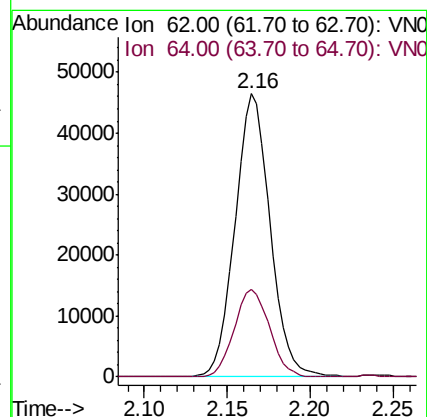
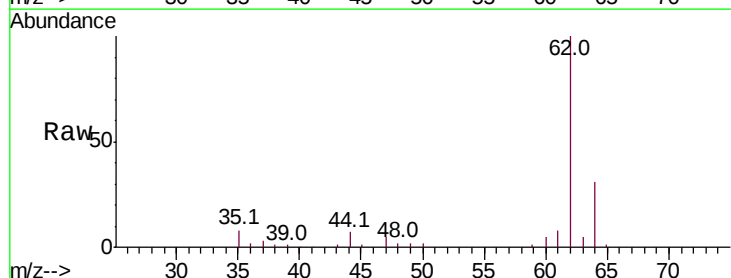
Acq: 2 Nov 2020 18:01

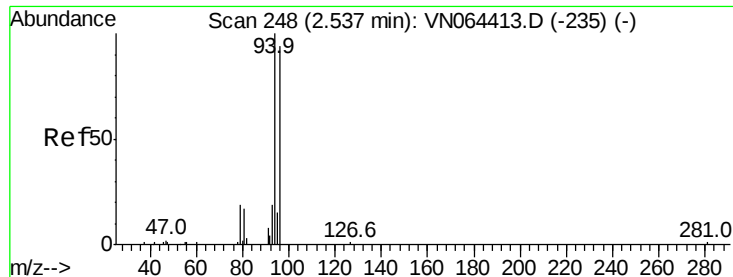
Tgt Ion: 62 Resp: 68371

Ion Ratio Lower Upper

62 100

64 30.8 24.5 36.7





#5

Bromomethane

Concen: 18.759 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

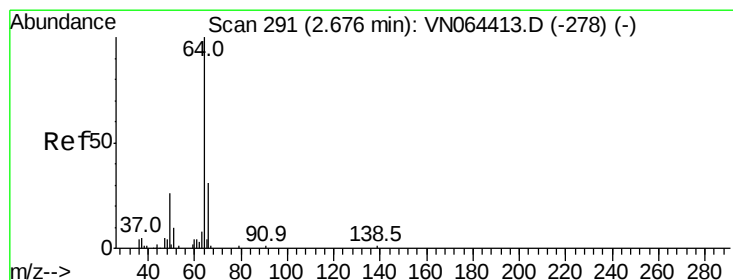
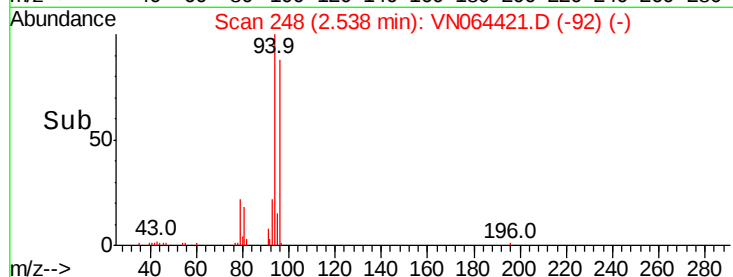
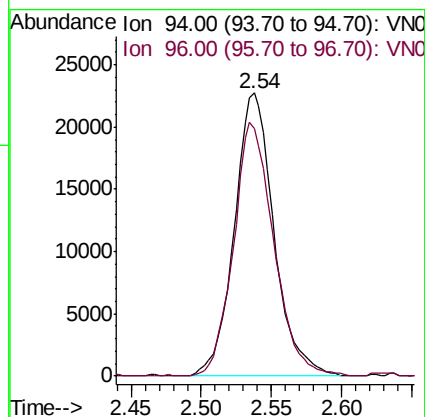
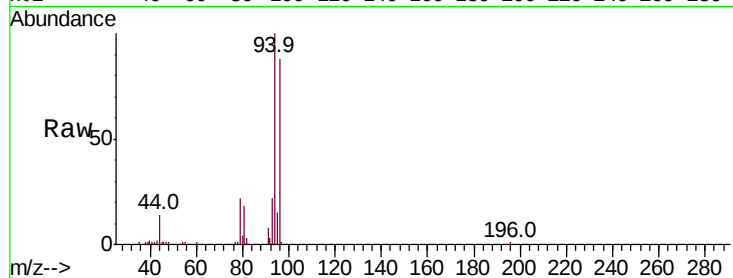
VN1102WBS01

Tot Ion: 94 Resp: 44736

Ion Ratio Lower Upper

94 100

96 87.5 75.2 112.8



#6

Chloroethane

Concen: 19.218 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064421.D

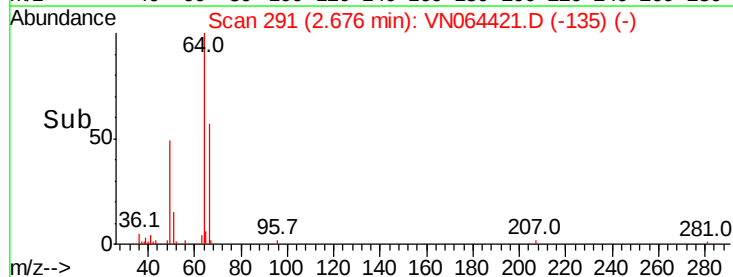
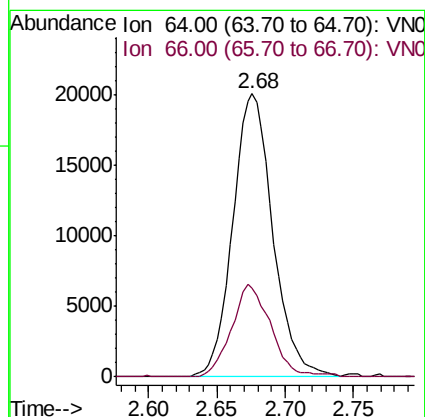
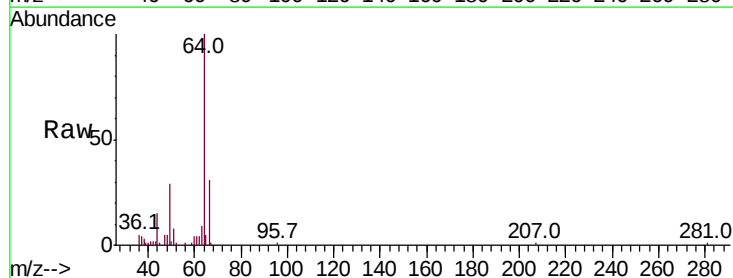
Acq: 2 Nov 2020 18:01

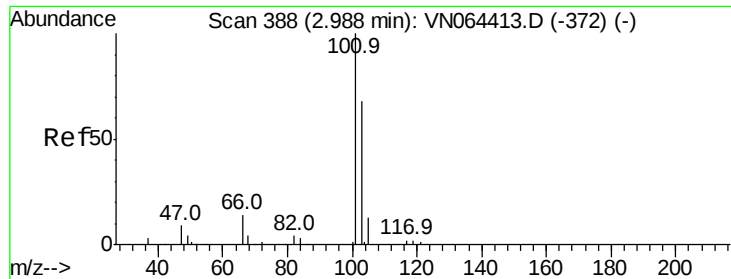
Tgt Ion: 64 Resp: 40979

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4



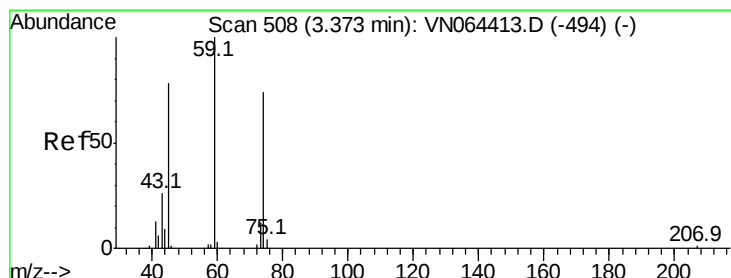
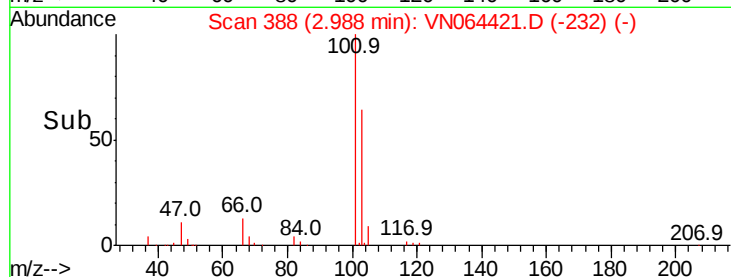
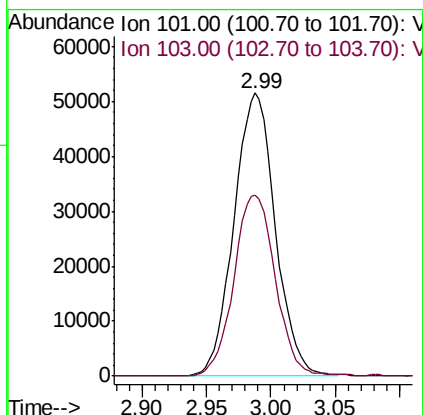
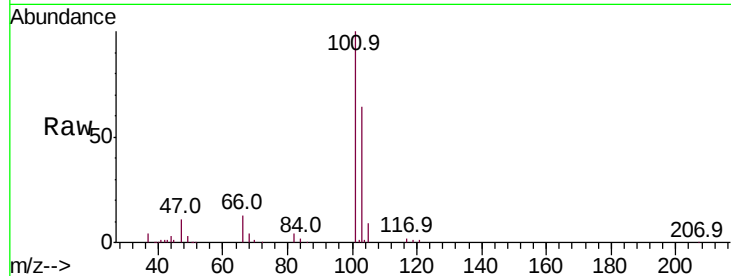


#7

Trichlorofluoromethane
 Concen: 18.969 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

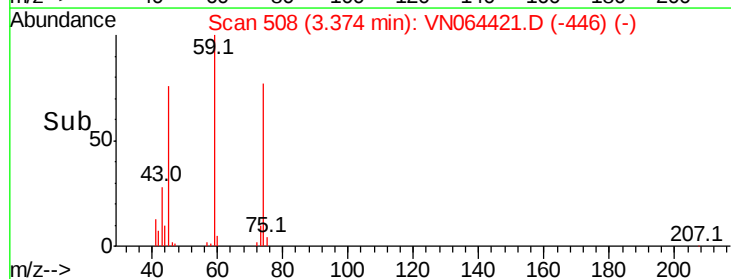
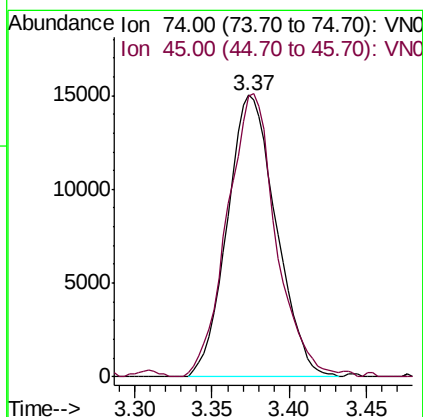
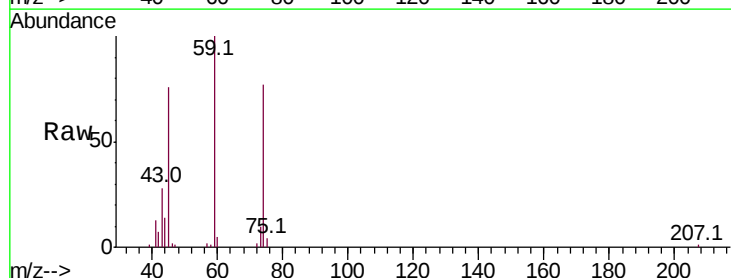
Tot Ion:101 Resp: 114819
 Ion Ratio Lower Upper
 101 100
 103 64.1 54.6 81.8

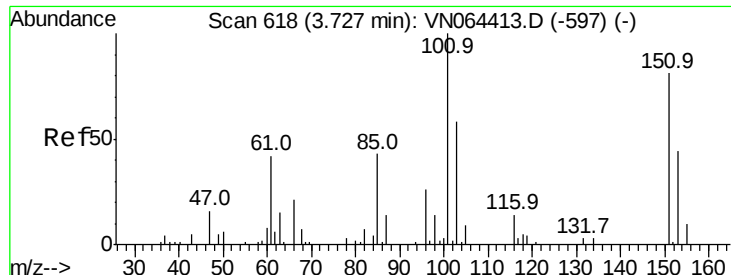


#8

Diethyl Ether
 Concen: 17.756 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 74 Resp: 32975
 Ion Ratio Lower Upper
 74 100
 45 100.3 21.2 190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.123 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

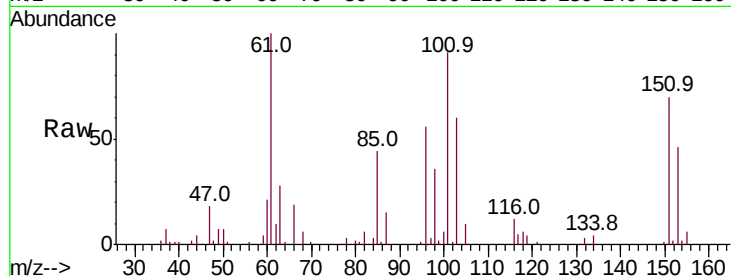
Tot Ion:101 Resp: 54599

Ion Ratio Lower Upper

101 100

85 47.2 0.0 89.6

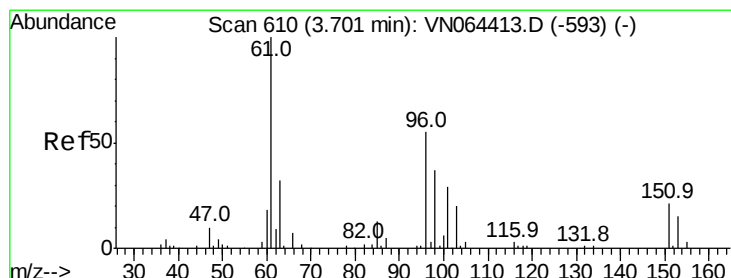
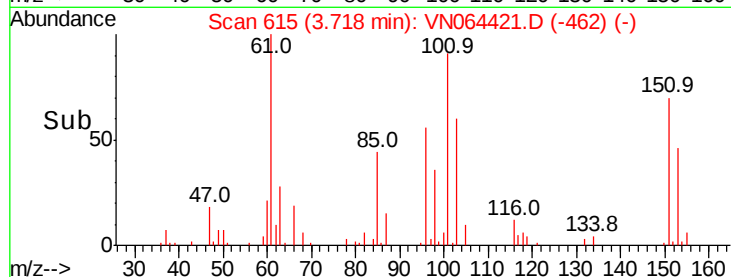
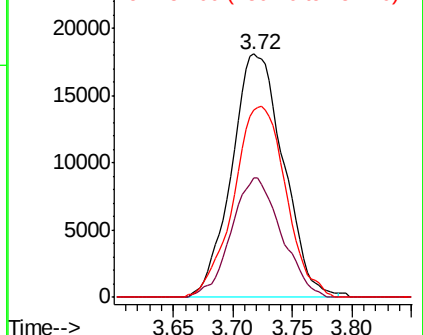
151 79.0 0.0 158.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.197 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

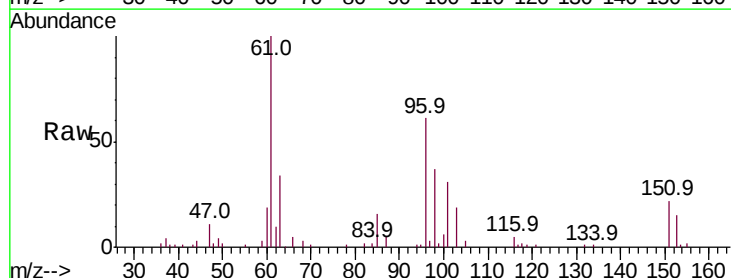
Tgt Ion: 96 Resp: 52473

Ion Ratio Lower Upper

96 100

61 163.8 145.6 218.4

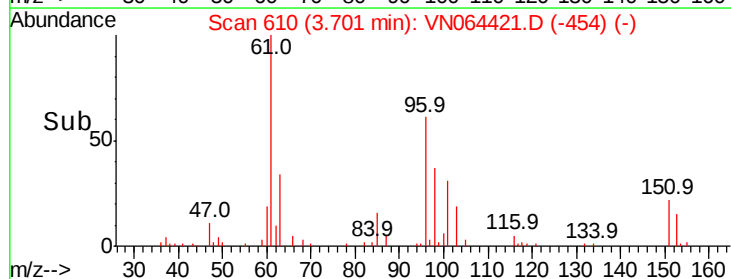
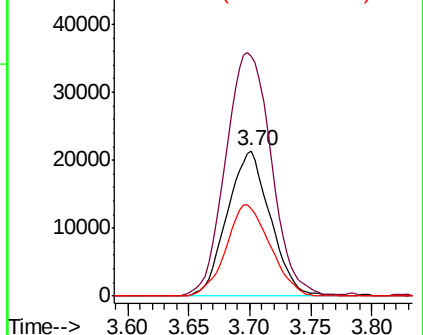
98 60.2 53.9 80.9

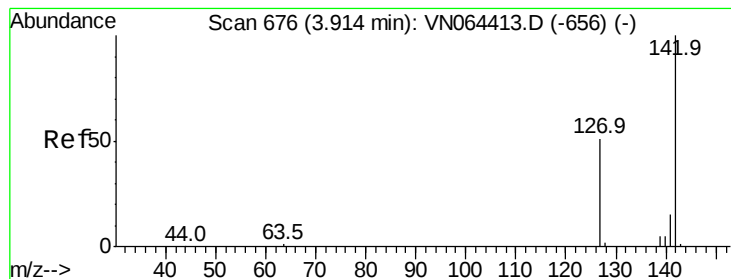


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

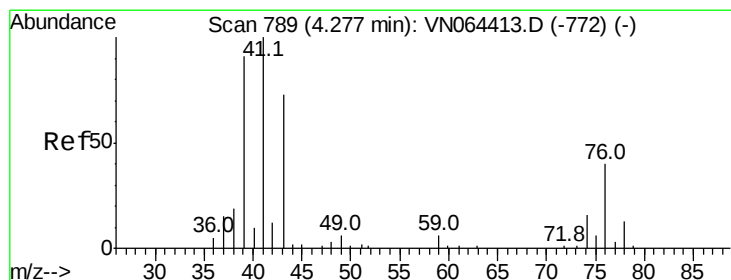
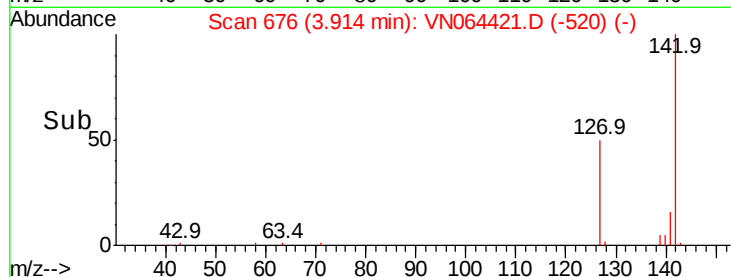
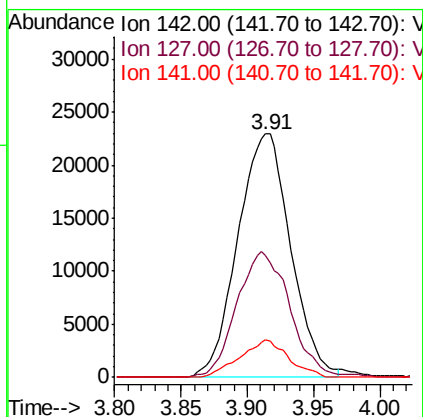
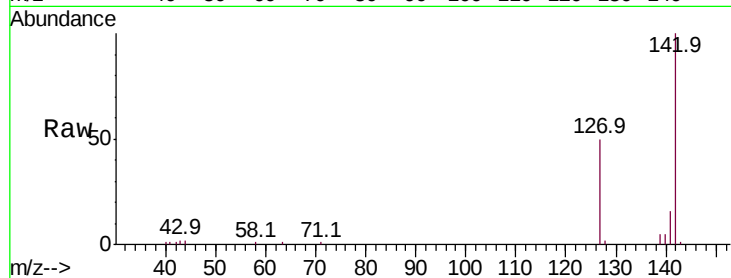




#11
Methvl Iodide
Concen: 16.454 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

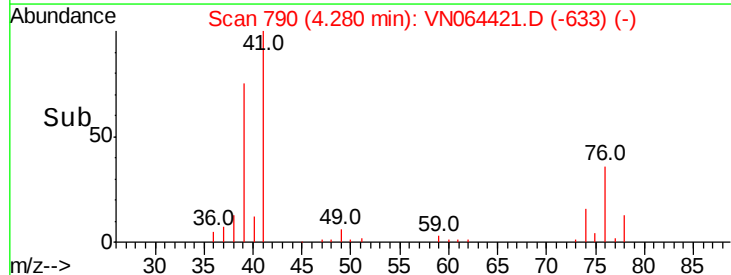
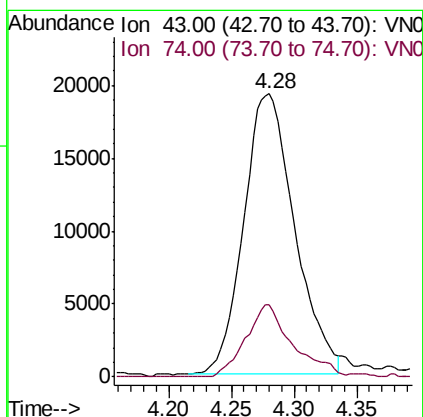
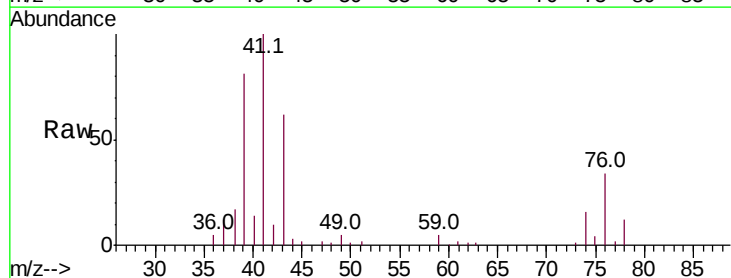
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

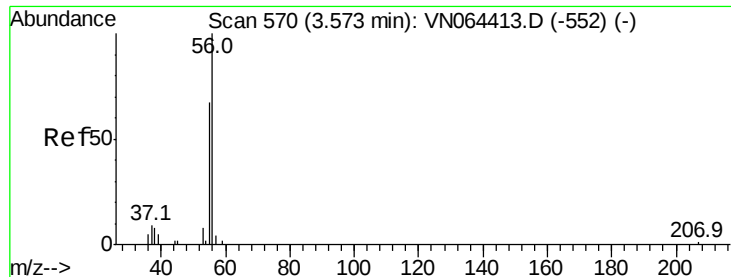
Tot Ion:142 Resp: 63686
Ion Ratio Lower Upper
142 100
127 50.6 25.4 76.2
141 15.9 7.8 23.3



#12
Methyl Acetate
Concen: 18.057 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 43 Resp: 54488
Ion Ratio Lower Upper
43 100
74 25.6 17.1 25.7

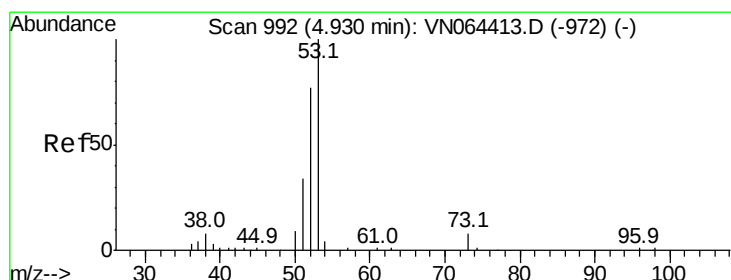
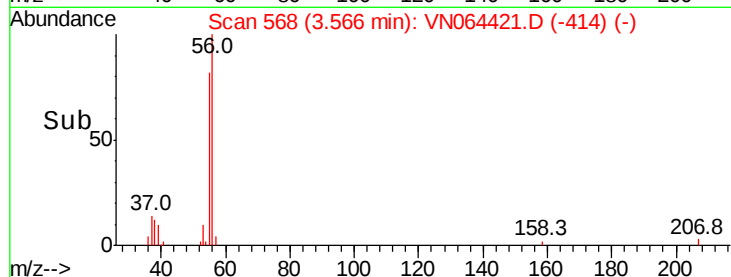
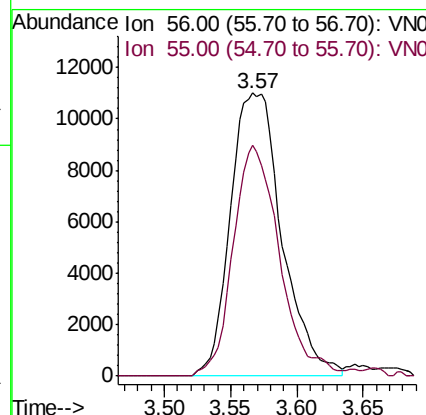
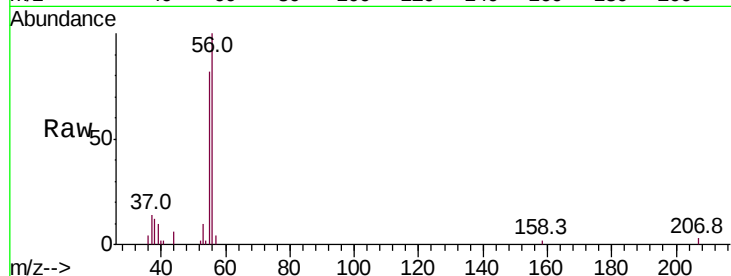




#13
Acrolein
Concen: 102.408 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

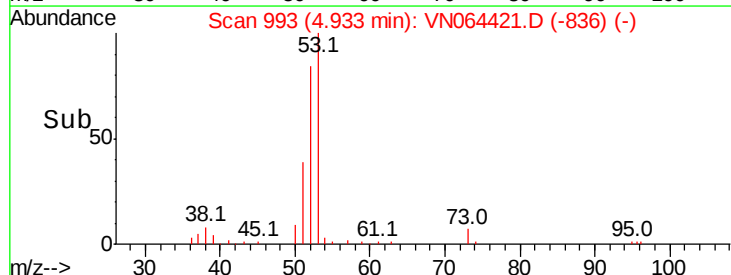
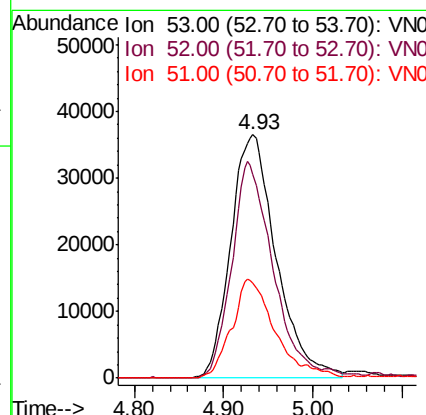
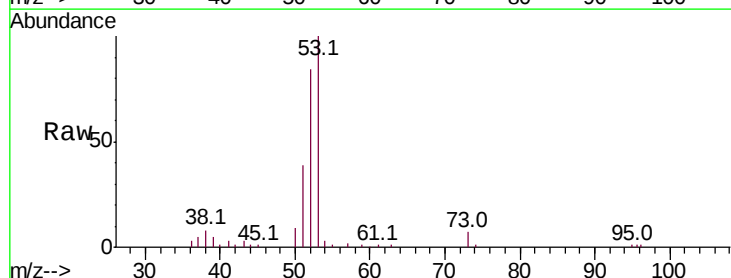
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

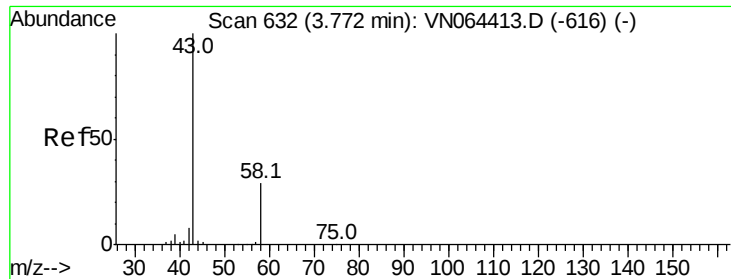
Tot Ion: 56 Resp: 29828
Ion Ratio Lower Upper
56 100
55 71.0 53.1 79.7



#14
Acrylonitrile
Concen: 95.028 ug/l
RT: 4.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 53 Resp: 129015
Ion Ratio Lower Upper
53 100
52 79.7 41.1 123.3
51 36.5 17.8 53.3





#15

Acetone

Concen: 73.621 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

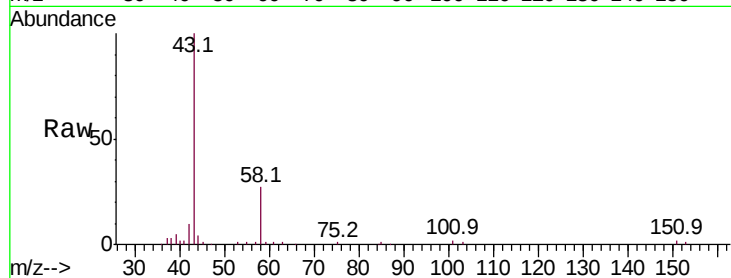
VN1102WBS01

Tot Ion: 58 Resp: 34633

Ion Ratio Lower Upper

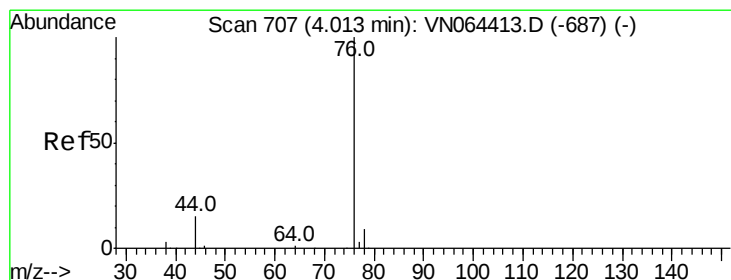
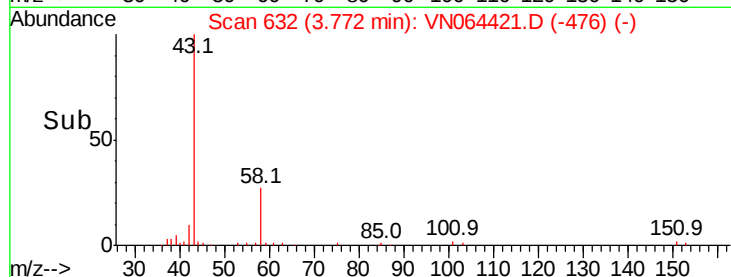
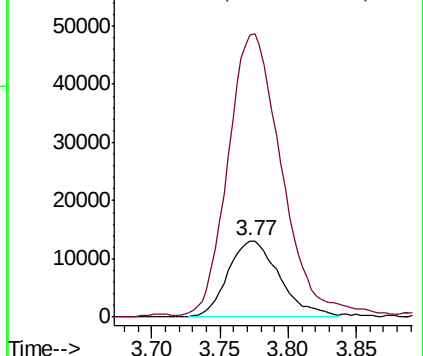
58 100

43 361.9 276.1 414.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.588 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064421.D

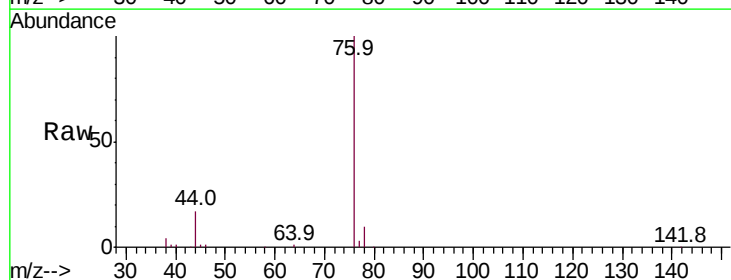
Acq: 2 Nov 2020 18:01

Tgt Ion: 76 Resp: 143936

Ion Ratio Lower Upper

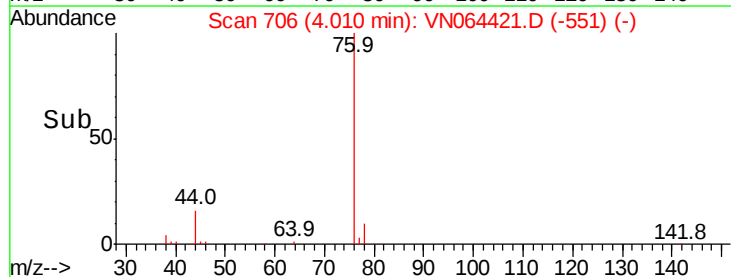
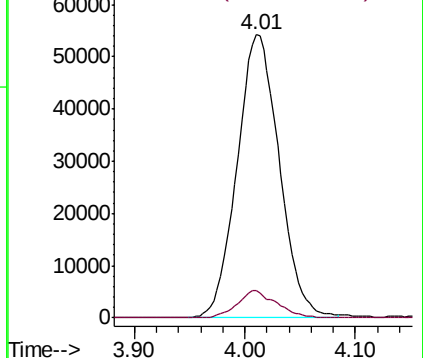
76 100

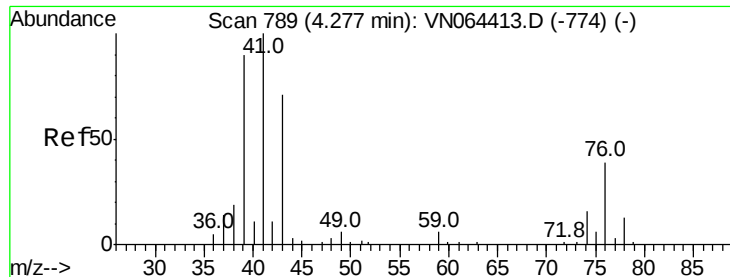
78 9.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

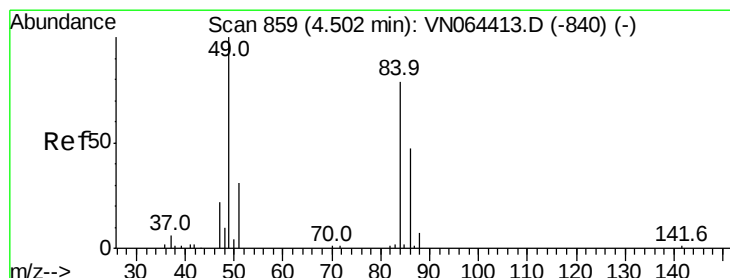
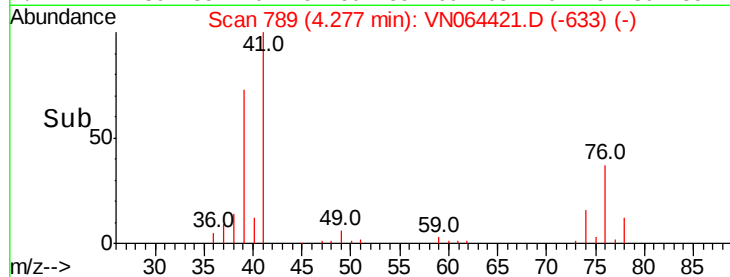
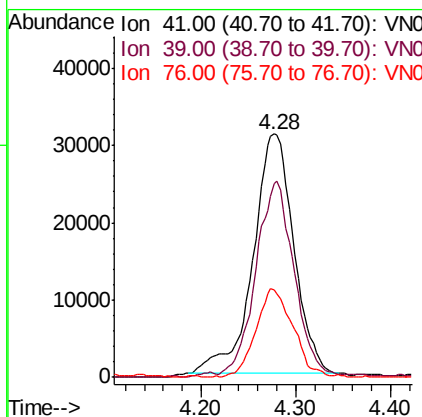
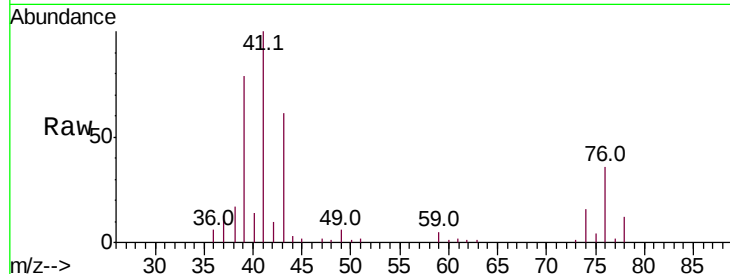




#17
Allvl chloride
Concen: 18.288 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

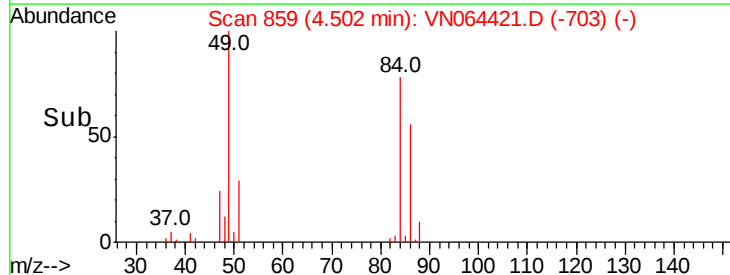
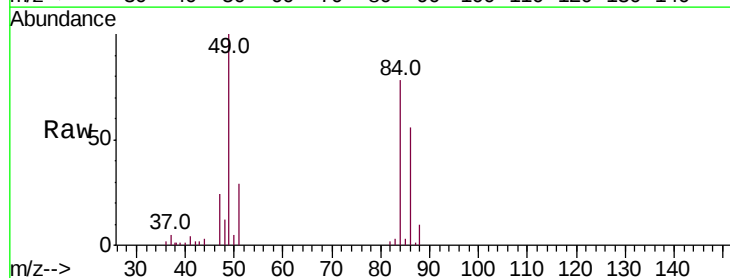
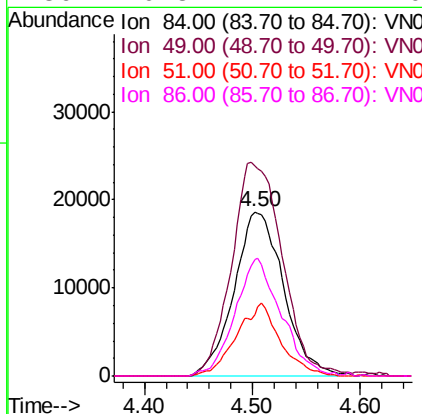
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

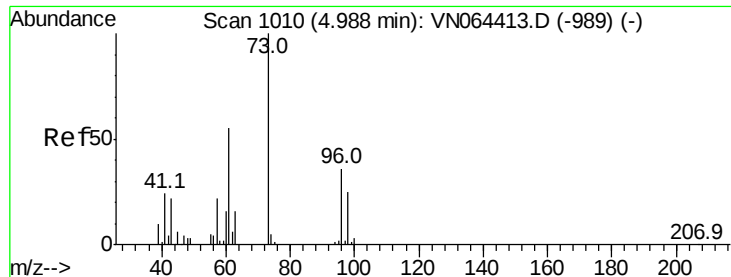
Tot Ion: 41 Resp: 92498
Ion Ratio Lower Upper
41 100
39 80.7 42.3 126.8
76 36.0 18.6 55.8



#18
Methylene Chloride
Concen: 17.799 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 84 Resp: 59387
Ion Ratio Lower Upper
84 100
49 127.5 101.0 151.4
51 37.2 31.2 46.8
86 70.8 47.4 71.0

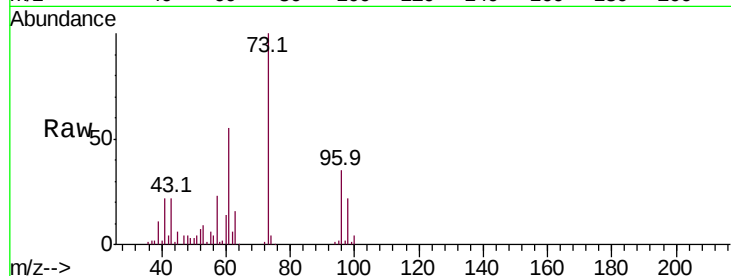




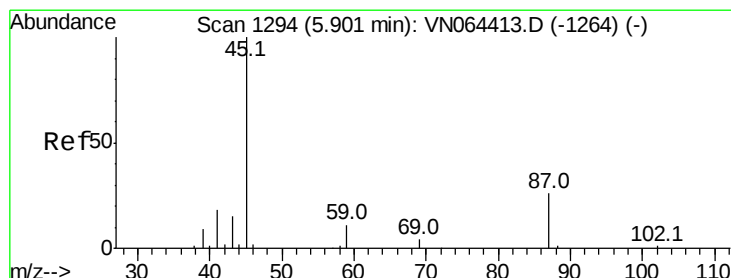
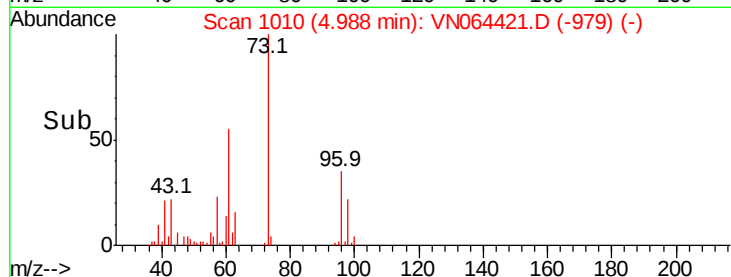
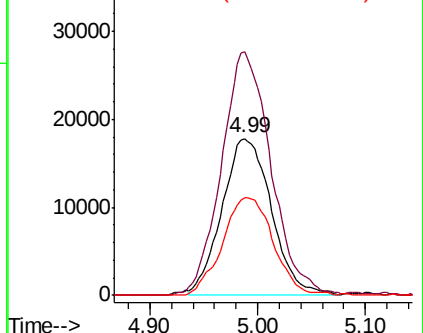
#19
trans-1,2-Dichloroethene
Concen: 17.951 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

Tot Ion: 96 Resp: 56973
Ion Ratio Lower Upper
96 100
61 153.6 121.4 182.0
98 62.6 55.5 83.3

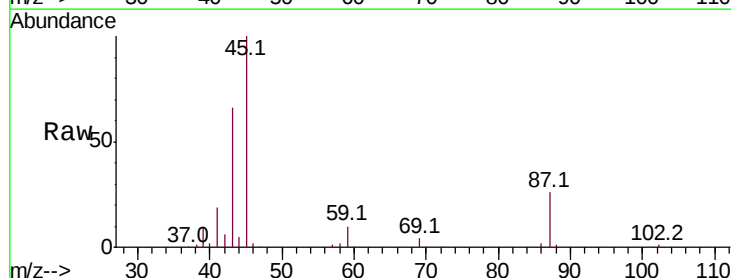


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

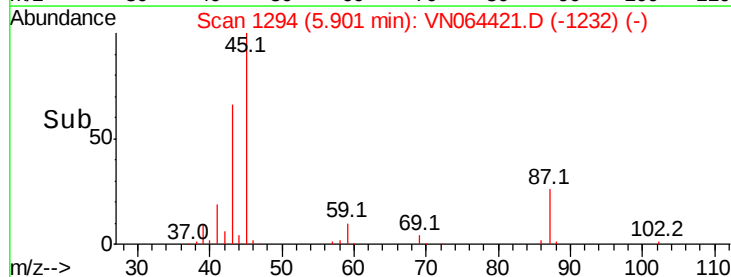
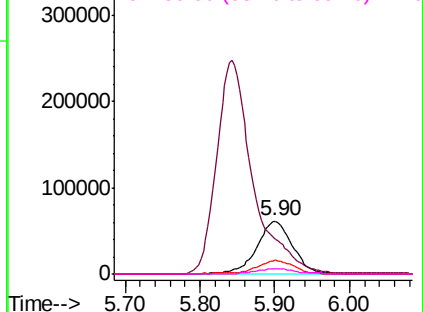


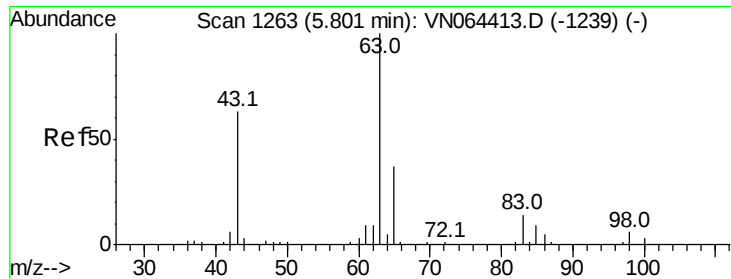
#20
Diisopropyl ether
Concen: 18.756 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 45 Resp: 203000
Ion Ratio Lower Upper
45 100
43 63.9 49.6 74.4
87 25.7 21.0 31.6
59 9.7 8.4 12.6



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

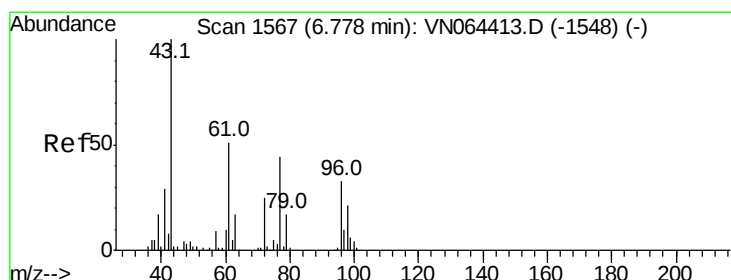
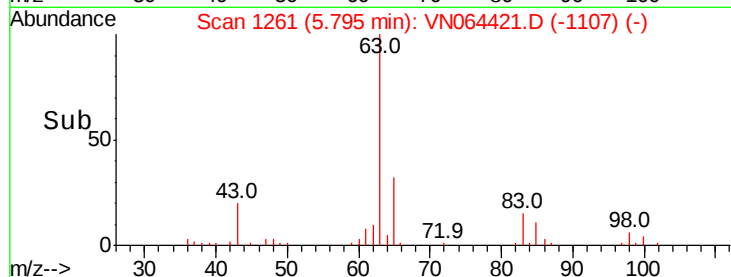
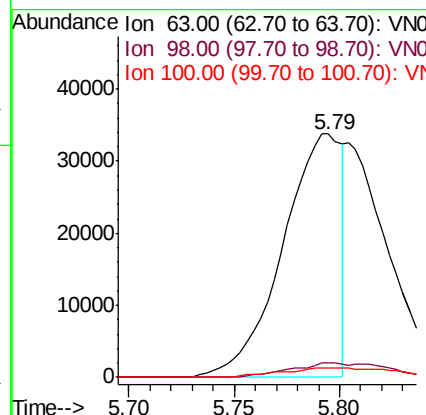
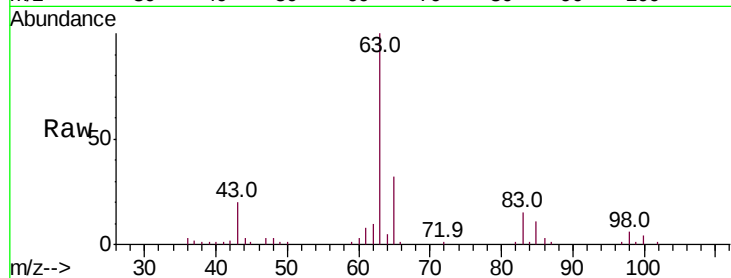




#21
 1,1-Dichloroethane
 Concen: 10.750 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

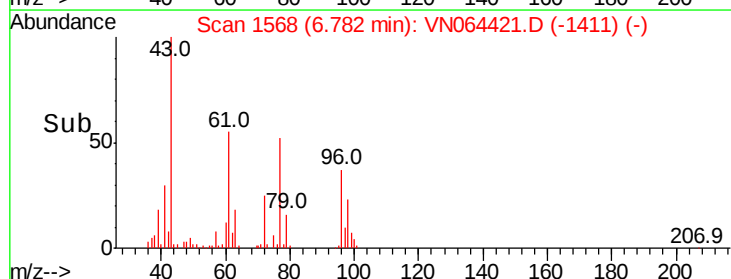
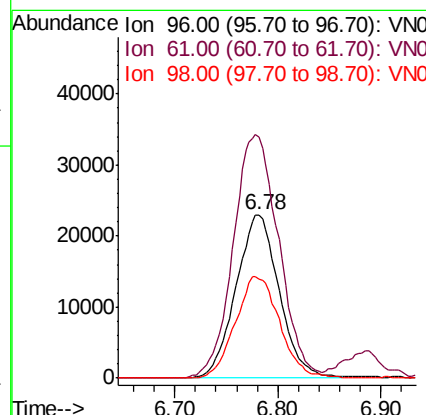
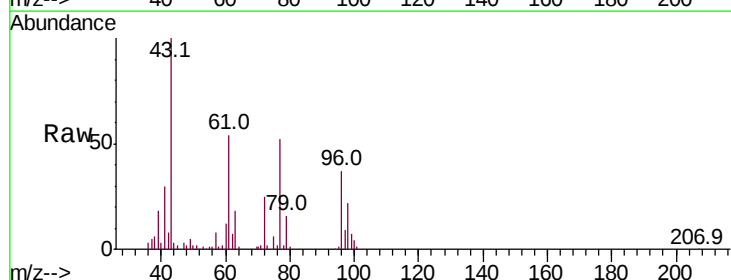
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

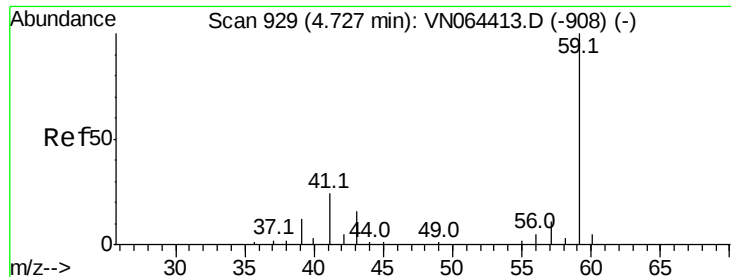
Tot Ion: 63 Resp: 65619
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 3.6 1.5 4.5



#22
 cis-1,2-Dichloroethene
 Concen: 17.800 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 96 Resp: 66942
 Ion Ratio Lower Upper
 96 100
 61 156.6 122.3 183.5
 98 63.9 49.6 74.4





#23

tert-Butyl Alcohol

Concen: 97.835 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

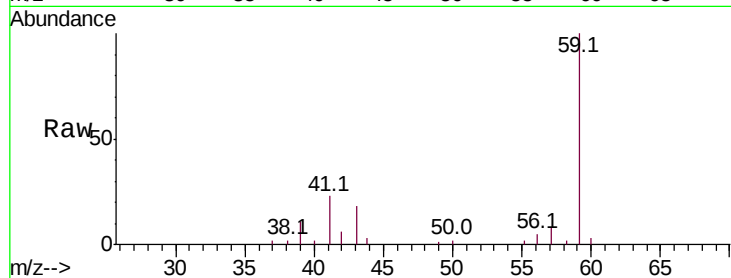
VN1102WBS01

Tot Ion: 59 Resp: 50441

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.73

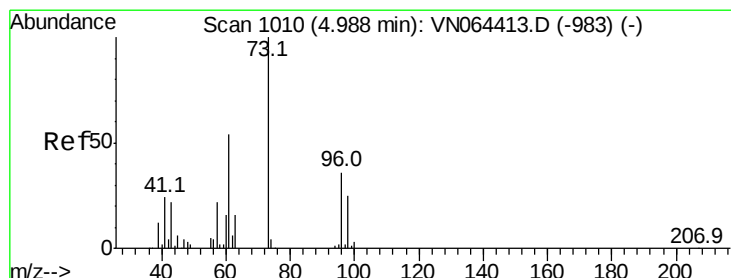
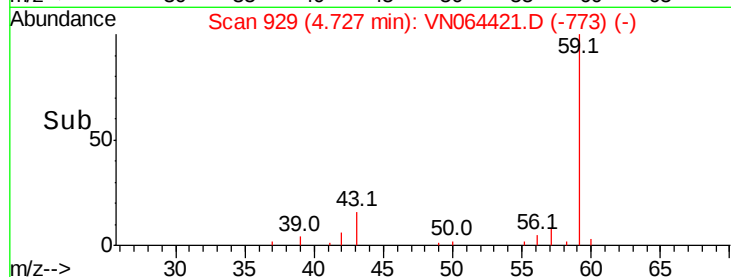
15000

10000

5000

0

Time--> 4.60 4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 18.398 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064421.D

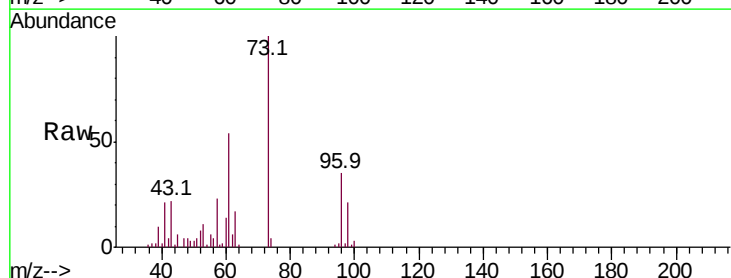
Acq: 2 Nov 2020 18:01

Tgt Ion: 73 Resp: 189857

Ion Ratio Lower Upper

73 100

43 11.4 6.8 10.2#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

4.98

60000

50000

40000

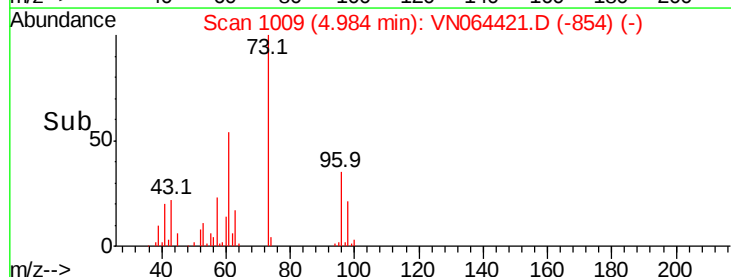
30000

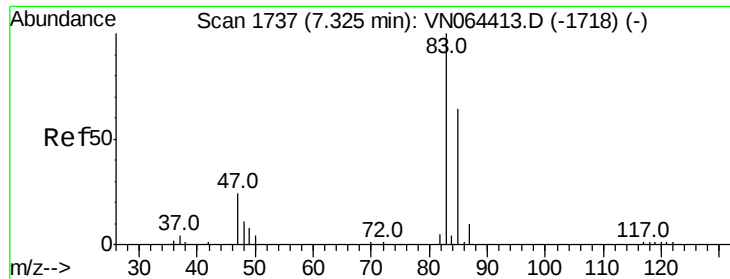
20000

10000

0

Time--> 4.90 5.00 5.10

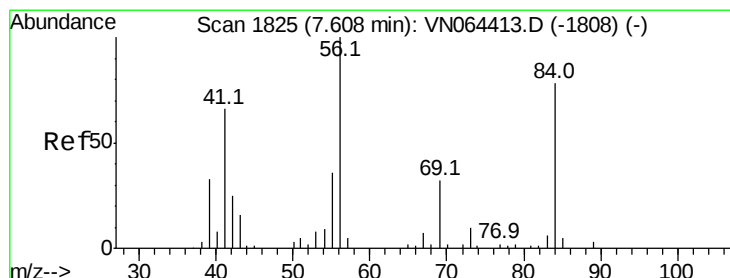
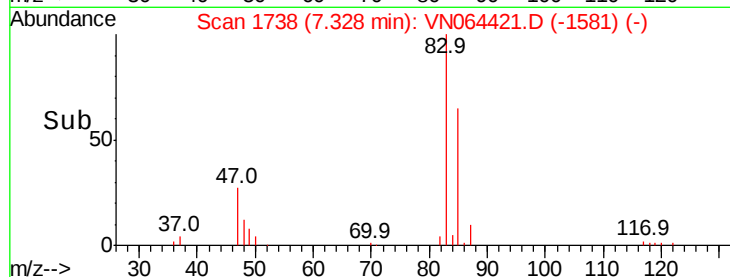
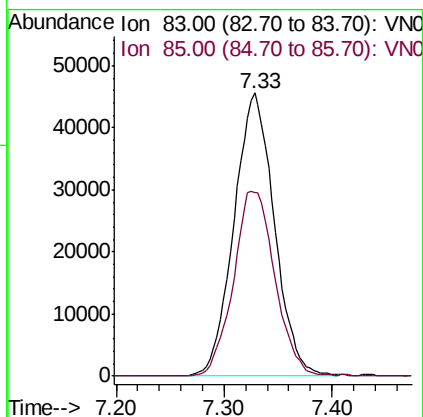
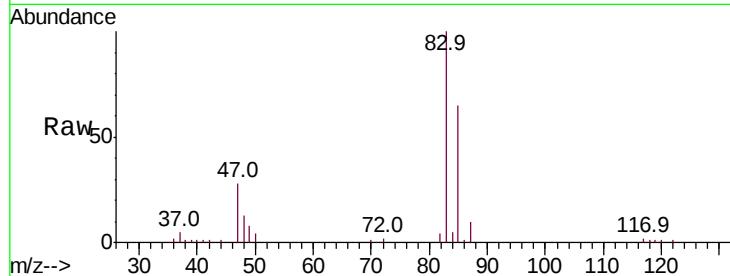




#25
Chloroform
Concen: 18.162 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

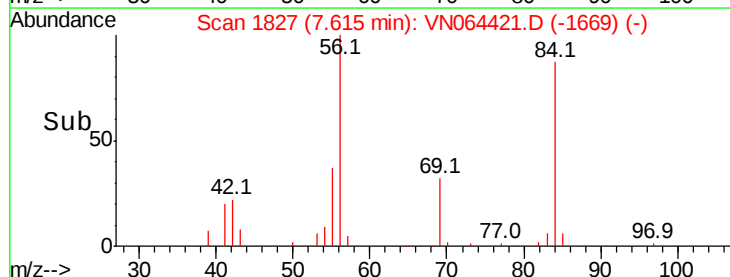
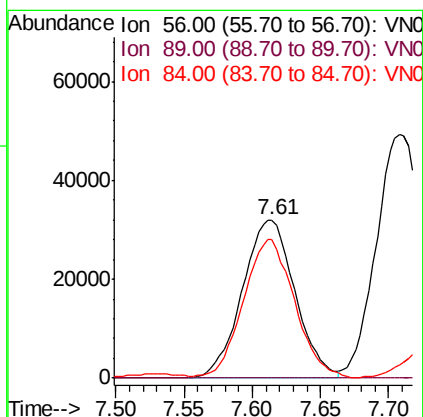
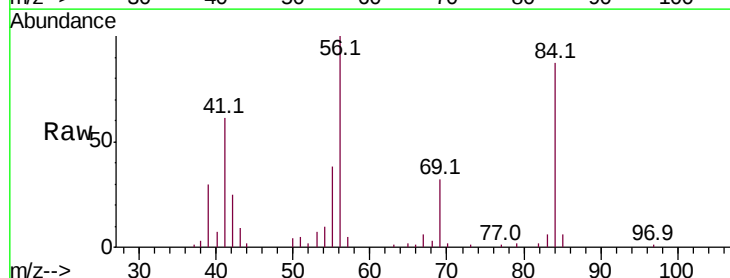
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

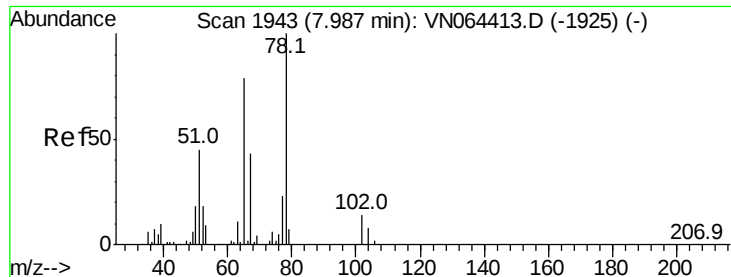
Tot Ion: 83 Resp: 118755
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.4



#26
Cyclohexane
Concen: 17.673 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 56 Resp: 85444
Ion Ratio Lower Upper
56 100
89 0.0 2.3 3.5#
84 86.1 69.4 104.0





#27

1,2-Dichloroethane-d4

Concen: 31.595 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

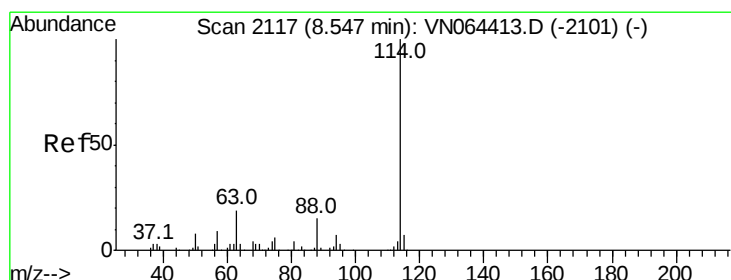
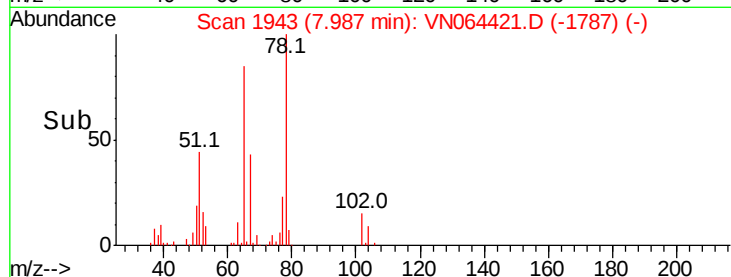
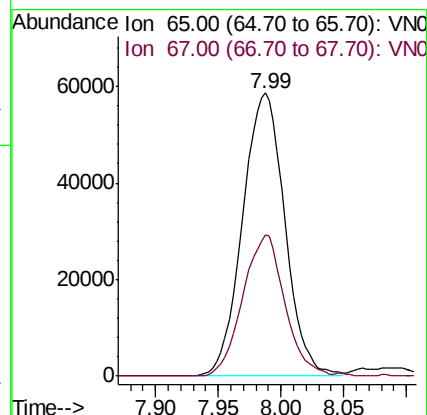
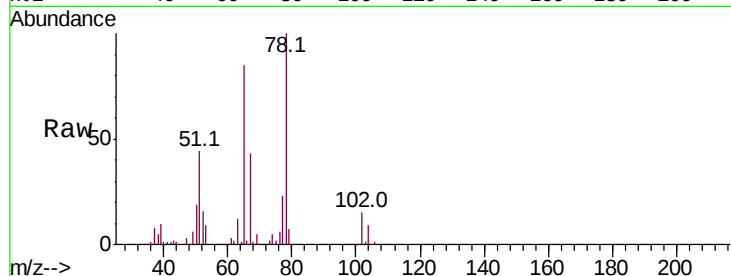
VN1102WBS01

Tot Ion: 65 Resp: 137490

Ion Ratio Lower Upper

65 100

67 49.4 40.6 61.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

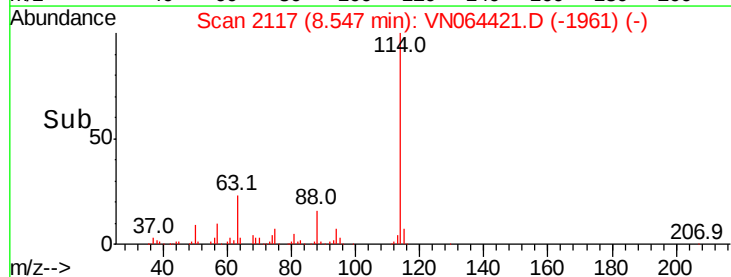
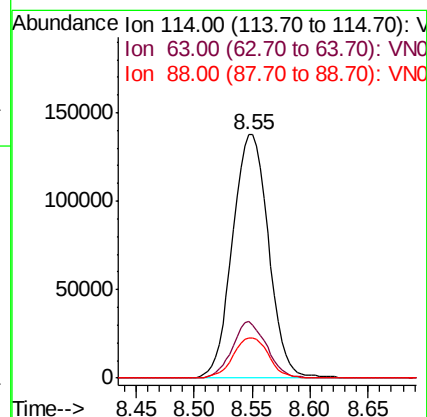
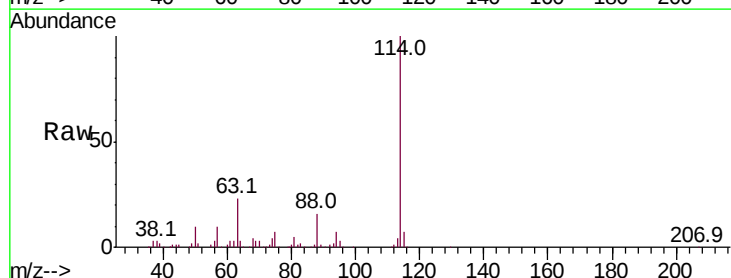
Tgt Ion: 114 Resp: 296335

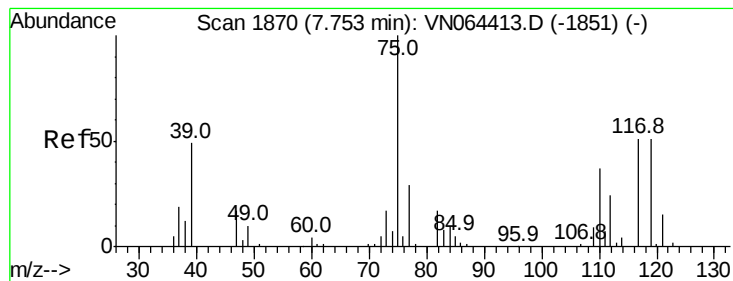
Ion Ratio Lower Upper

114 100

63 22.1 16.2 24.4

88 16.3 12.6 19.0





#29

1,1-Dichloropropene

Concen: 18.199 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

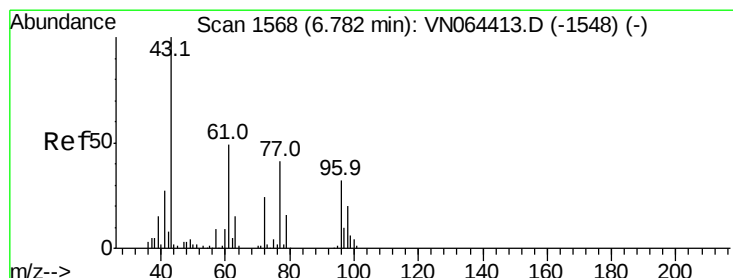
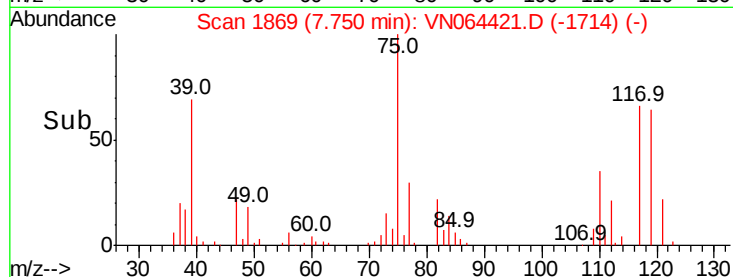
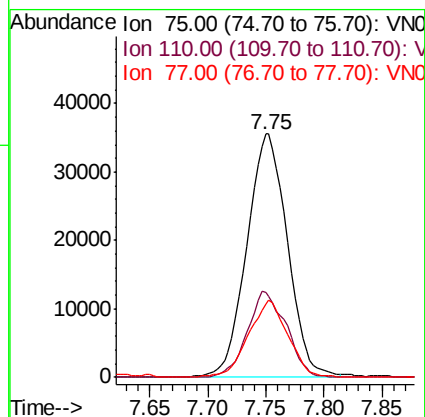
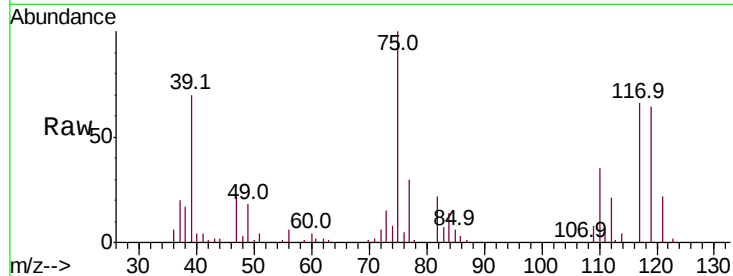
Tot Ion: 75 Resp: 86764

Ion Ratio Lower Upper

75 100

110 33.6 0.0 71.8

77 30.4 0.0 32.4



#30

2-Butanone

Concen: 87.127 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

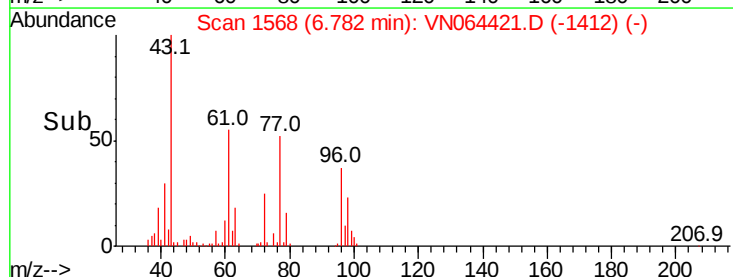
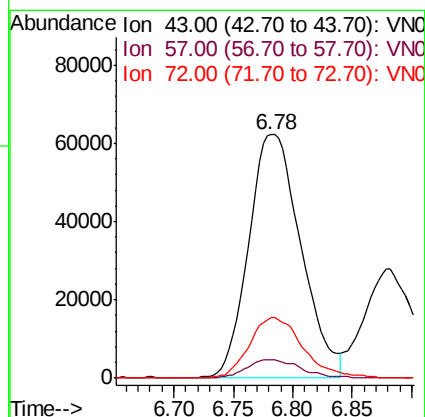
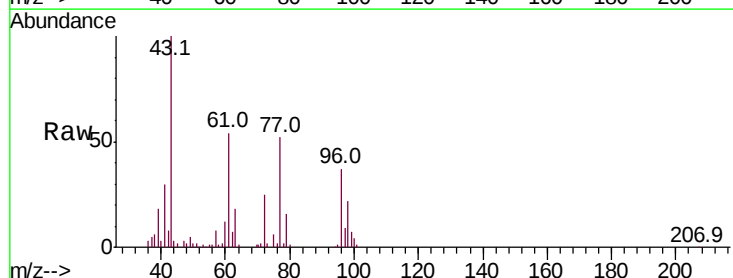
Tgt Ion: 43 Resp: 188583

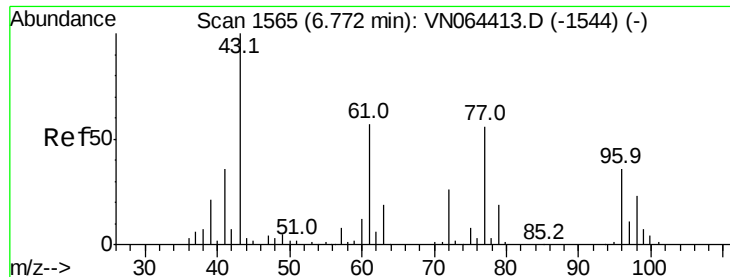
Ion Ratio Lower Upper

43 100

57 7.7 6.6 9.8

72 25.4 20.0 30.0





#31

2,2-Dichloropropane

Concen: 18.071 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

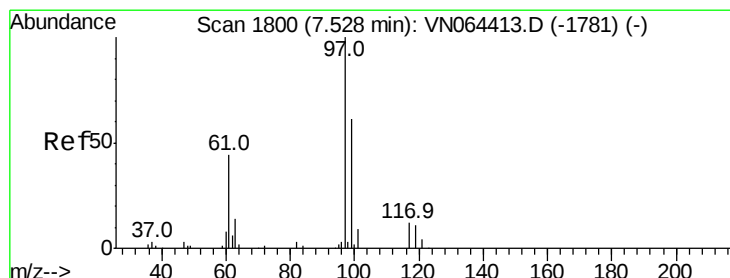
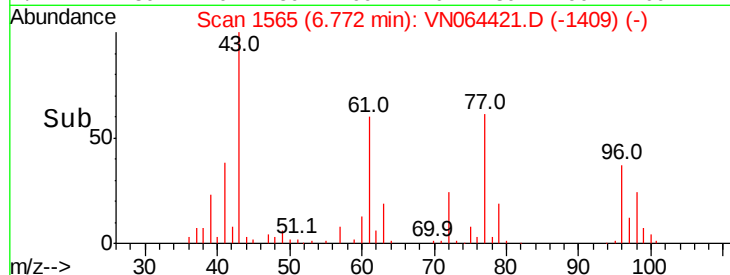
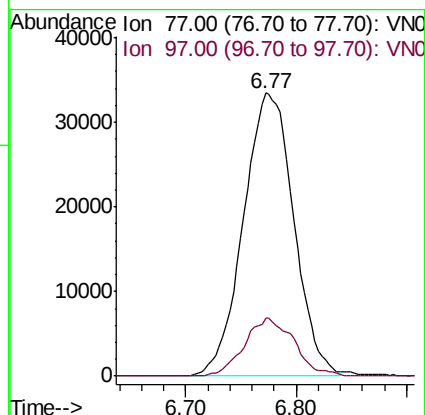
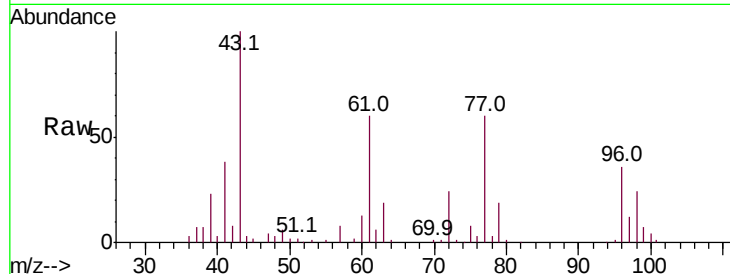
VN1102WBS01

Tot Ion: 77 Resp: 105766

Ion Ratio Lower Upper

77 100

97 20.2 17.4 26.0



#32

1,1,1-Trichloroethane

Concen: 17.858 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

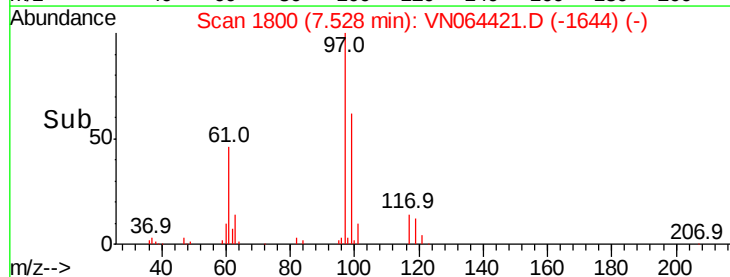
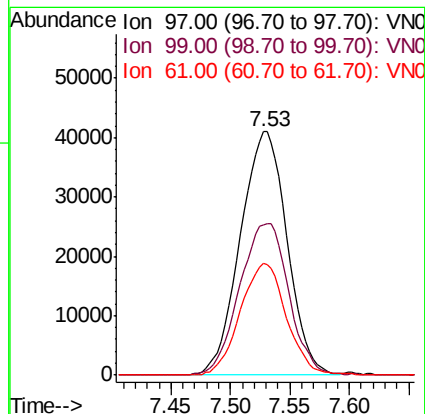
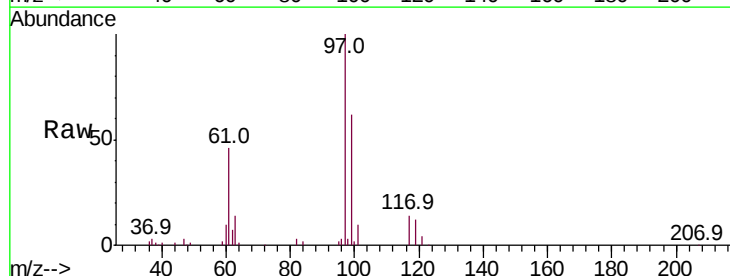
Tgt Ion: 97 Resp: 111610

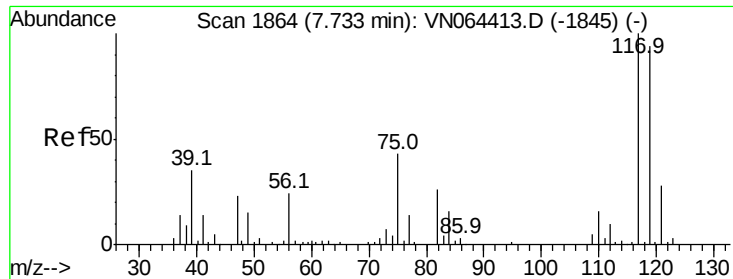
Ion Ratio Lower Upper

97 100

99 65.4 49.8 74.8

61 45.0 34.9 52.3





#33

Carbon Tetrachloride

Concen: 17.859 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

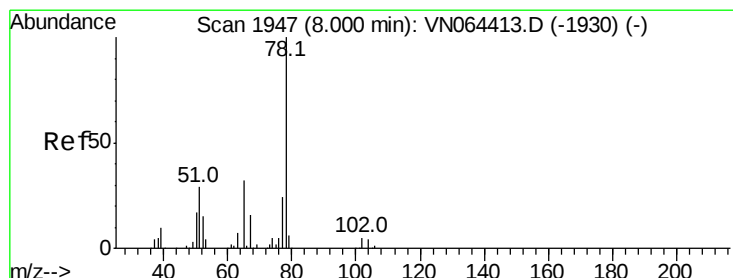
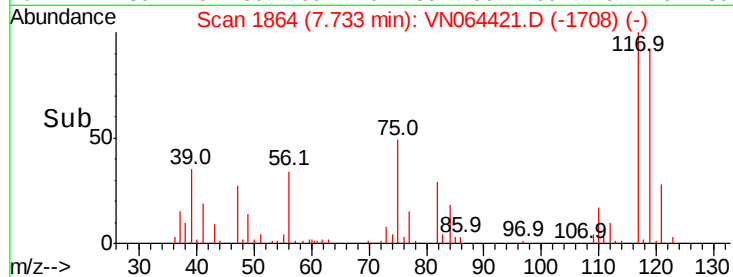
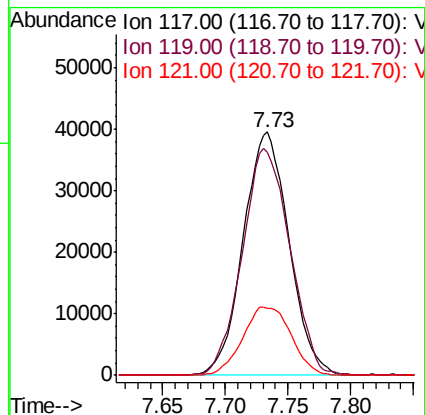
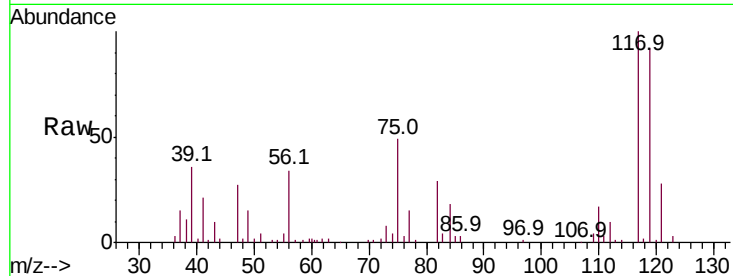
Tot Ion:117 Resp: 100548

Ion Ratio Lower Upper

117 100

119 91.8 75.0 112.4

121 27.7 22.1 33.1



#34

Benzene

Concen: 18.097 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

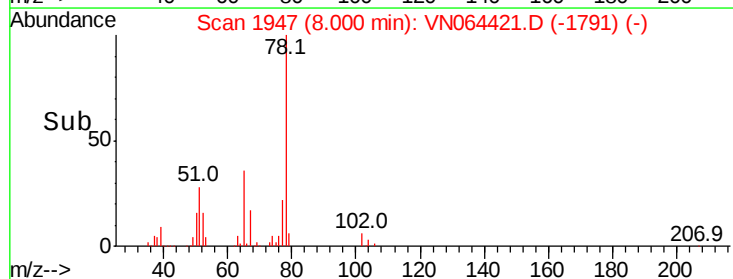
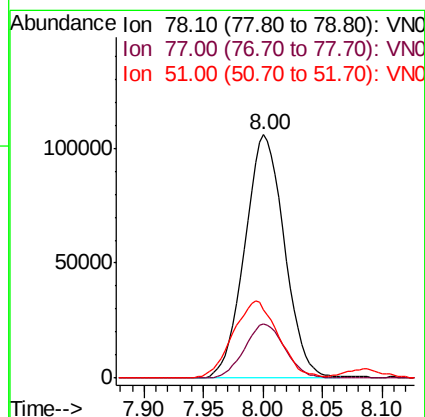
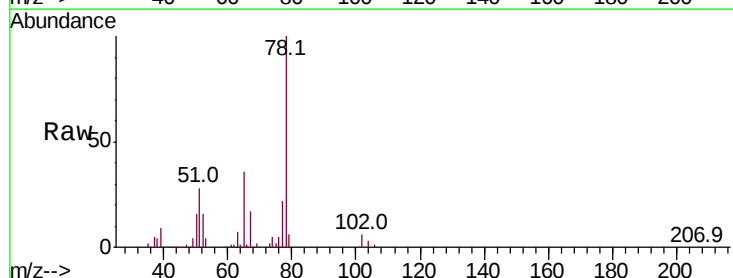
Tgt Ion: 78 Resp: 244454

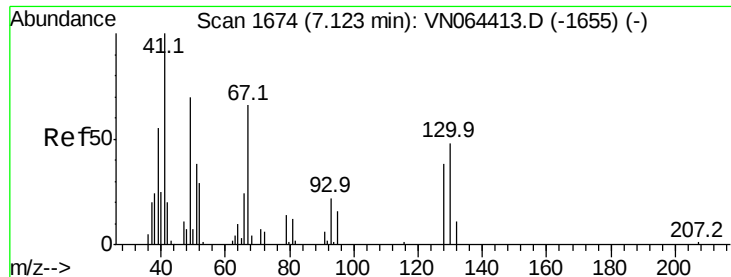
Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.4

51 28.1 23.1 34.7

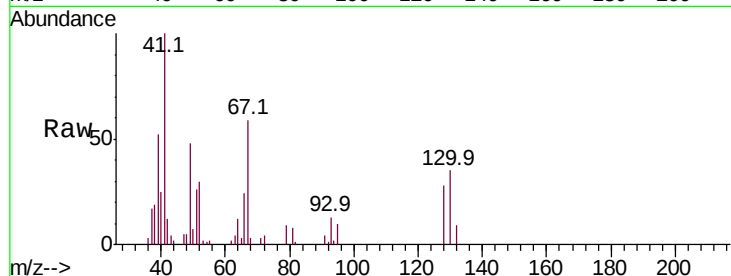




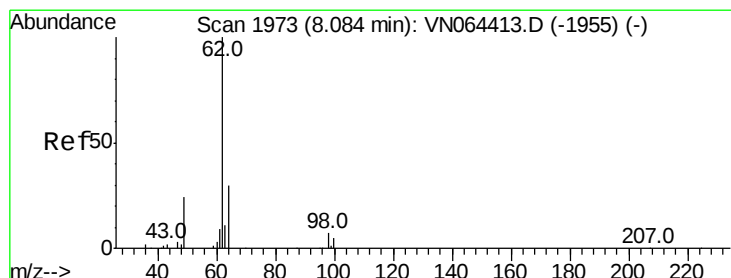
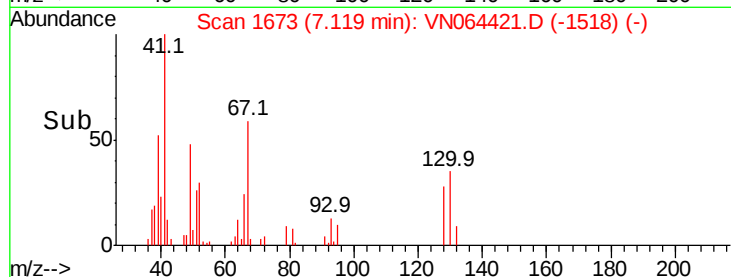
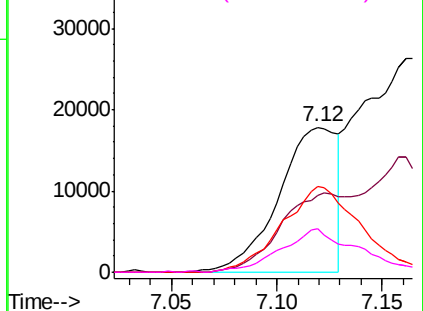
#35
Methacrylonitrile
Concen: 16.107 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

Tot Ion: 41 Resp: 34465
Ion Ratio Lower Upper
41 100
39 52.5 27.8 83.3
67 59.4 32.9 98.6
52 28.5 14.4 43.0

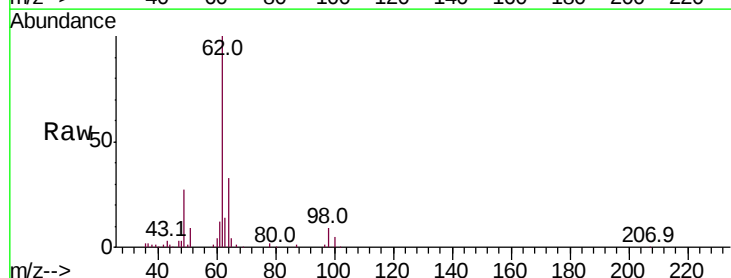


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

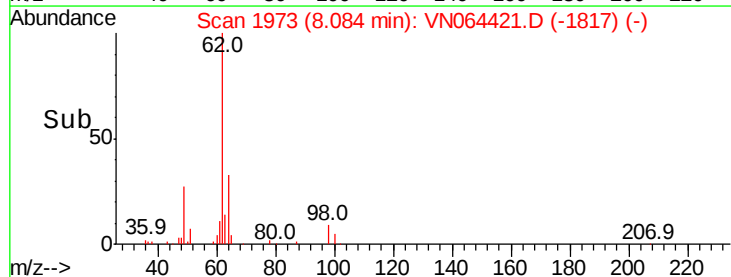
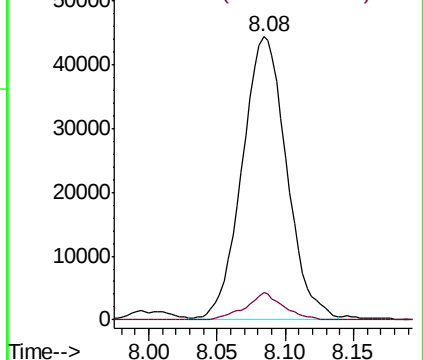


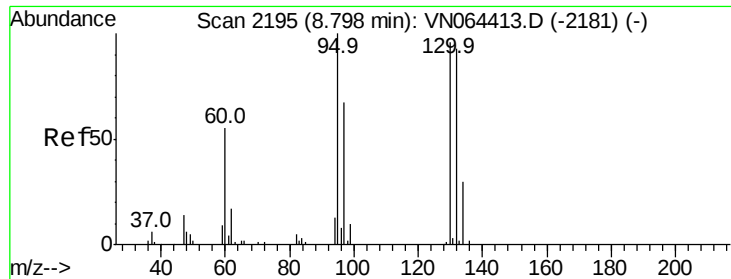
#36
1,2-Dichloroethane
Concen: 18.044 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 62 Resp: 100798
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

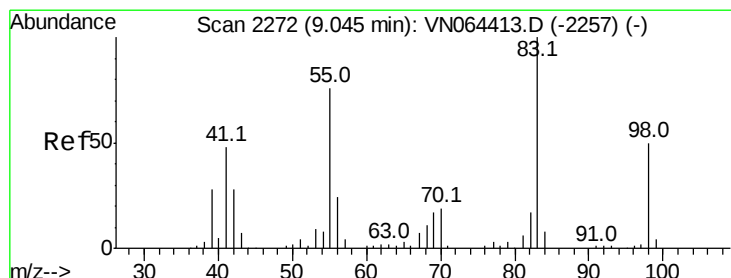
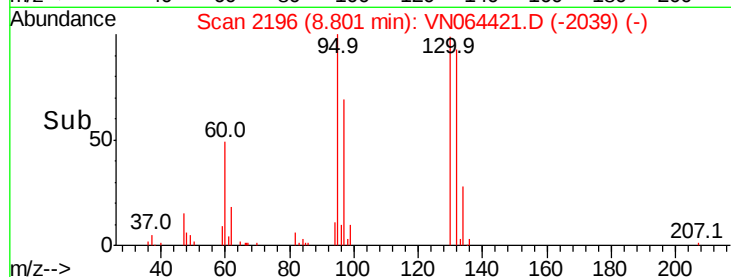
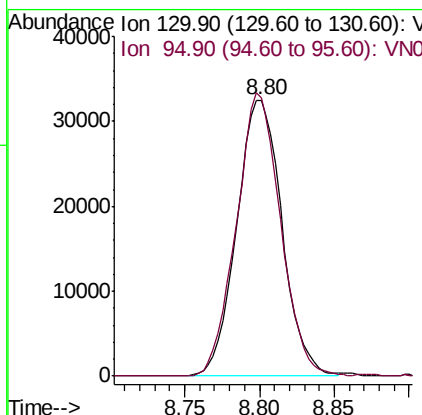
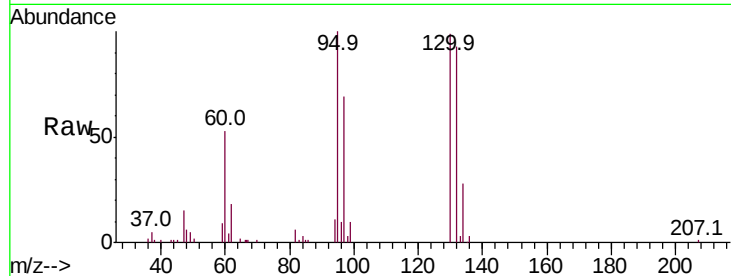




#37
 Trichloroethene
 Concen: 18.049 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

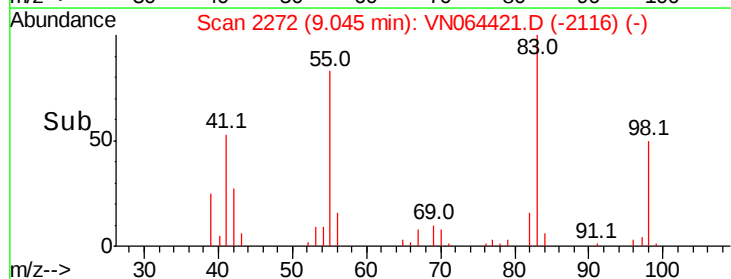
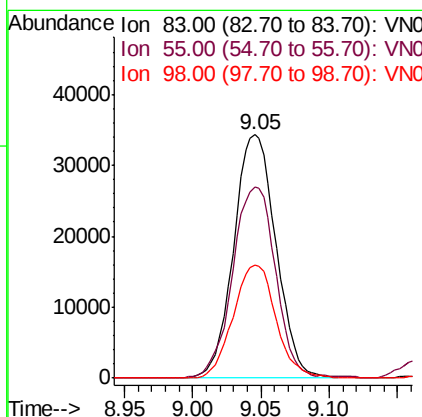
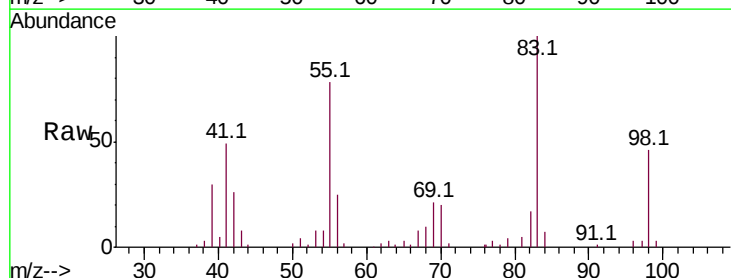
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

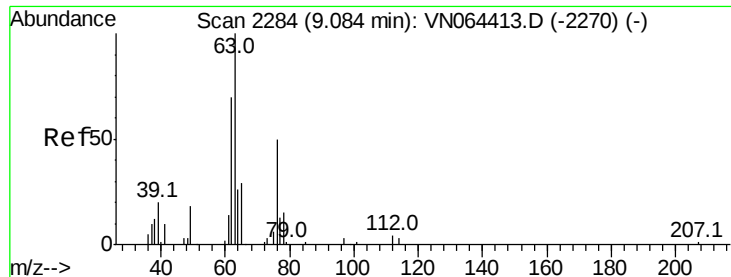
Tot Ion:130 Resp: 68447
 Ion Ratio Lower Upper
 130 100
 95 101.0 83.6 125.4



#38
 Methylcyclohexane
 Concen: 17.055 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 83 Resp: 73753
 Ion Ratio Lower Upper
 83 100
 55 79.8 38.3 114.9
 98 47.0 24.6 74.0





#39

1,2-Dichloropropane

Concen: 18.854 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

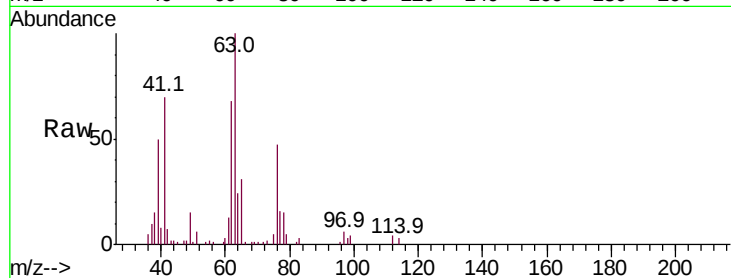
VN1102WBS01

Tot Ion: 63 Resp: 65341

Ion Ratio Lower Upper

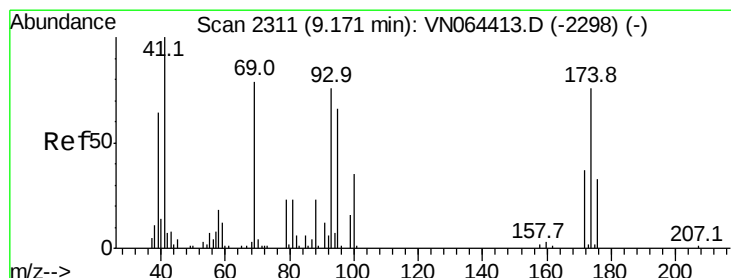
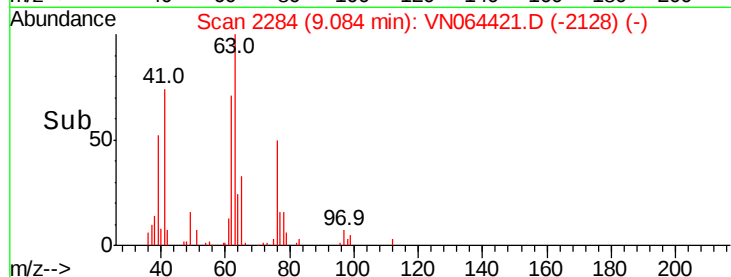
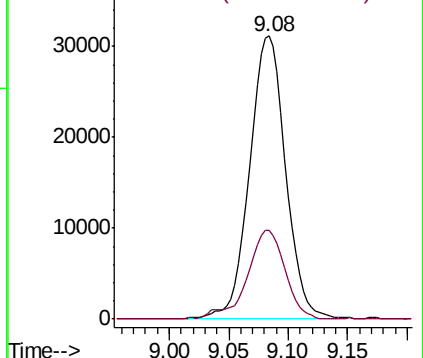
63 100

65 31.2 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VNO

Ion 65.00 (64.70 to 65.70): VNO



#40

Dibromomethane

Concen: 18.838 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

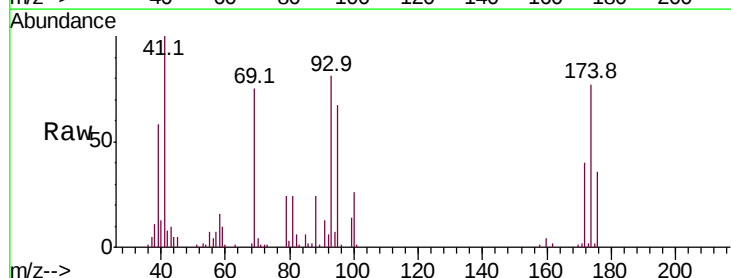
Tgt Ion: 93 Resp: 47316

Ion Ratio Lower Upper

93 100

95 80.2 0.0 170.0

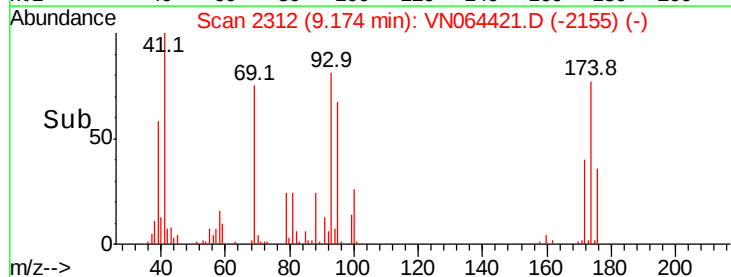
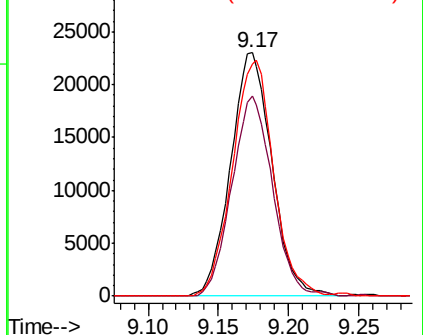
174 96.3 0.0 199.8

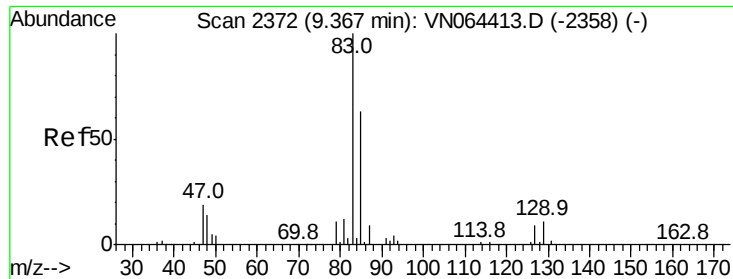


Abundance Ion 93.00 (92.70 to 93.70): VNO

Ion 95.00 (94.70 to 95.70): VNO

Ion 174.00 (173.70 to 174.70): VNO





#41

Bromodichloromethane

Concen: 18.347 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

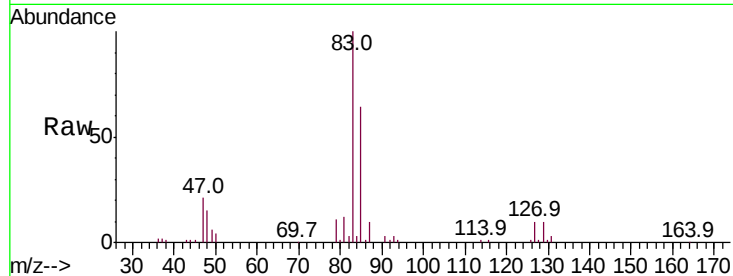
Tot Ion: 83 Resp: 97342

Ion Ratio Lower Upper

83 100

85 64.4 50.5 75.7

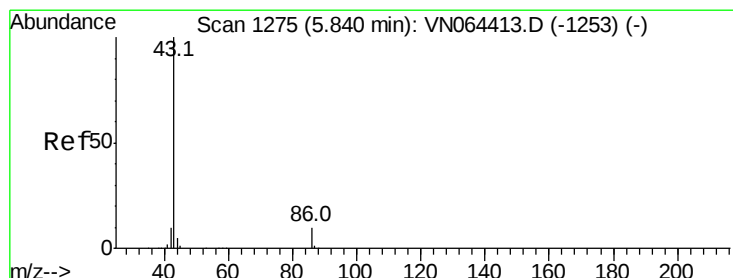
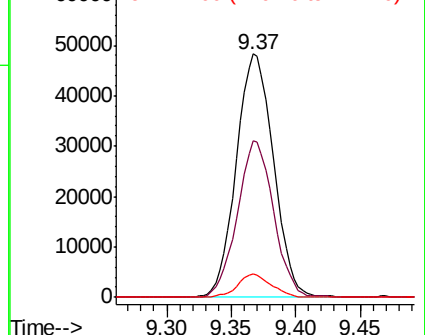
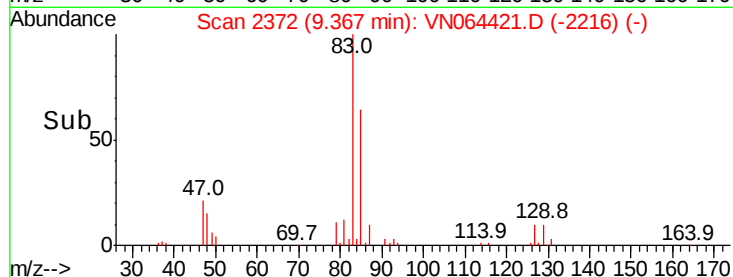
127 9.6 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VN064413.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064413.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064413.D (-2358) (-)



#42

Vinyl Acetate

Concen: 91.365 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064421.D

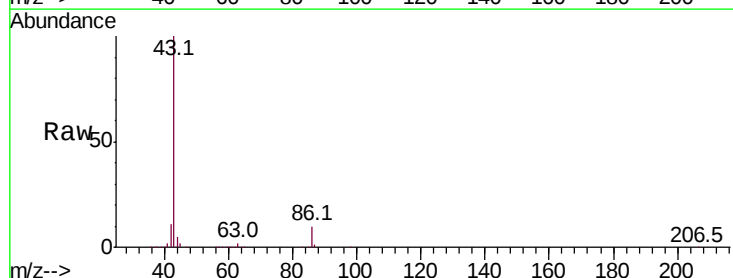
Acq: 2 Nov 2020 18:01

Tgt Ion: 43 Resp: 837177

Ion Ratio Lower Upper

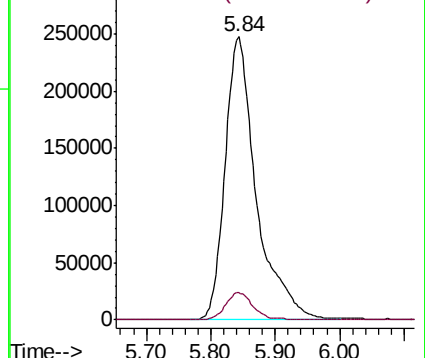
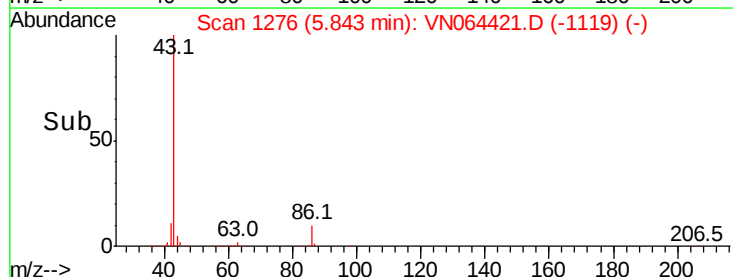
43 100

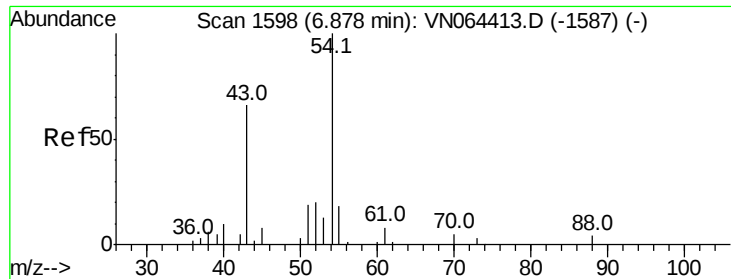
86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN064413.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN064413.D (-1253) (-)

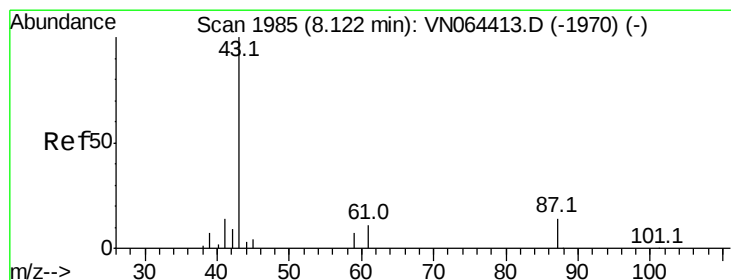
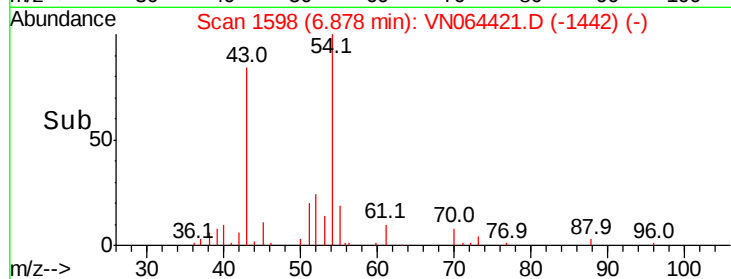
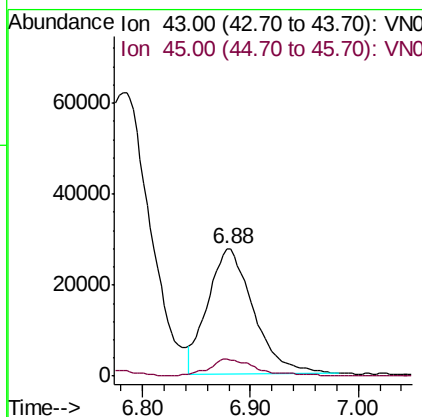
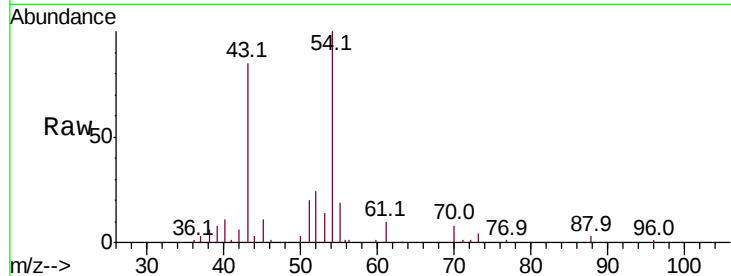




#43
Ethyl Acetate
Concen: 19.340 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

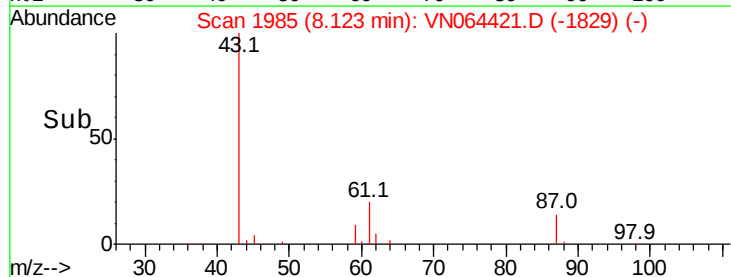
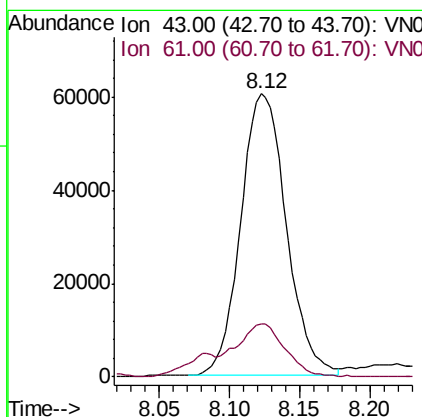
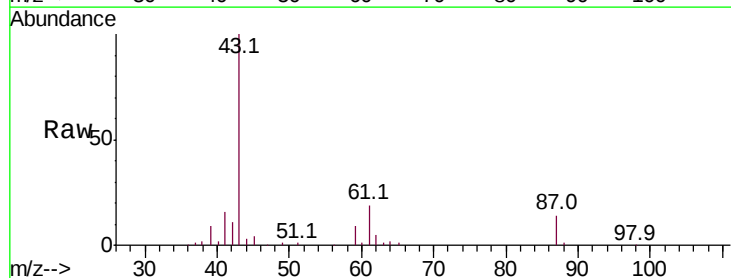
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

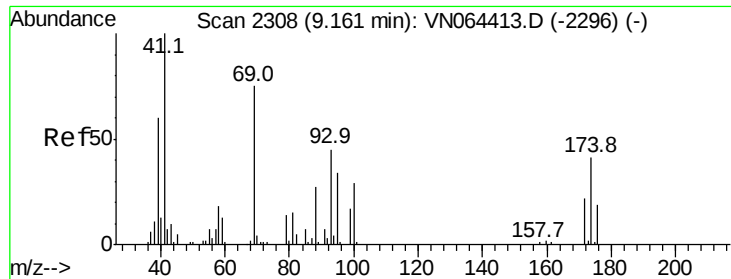
Tot Ion: 43 Resp: 81062
Ion Ratio Lower Upper
43 100
45 13.3 5.2 7.8#



#44
Isopropyl Acetate
Concen: 18.380 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 43 Resp: 137038
Ion Ratio Lower Upper
43 100
61 20.3 20.4 30.6#

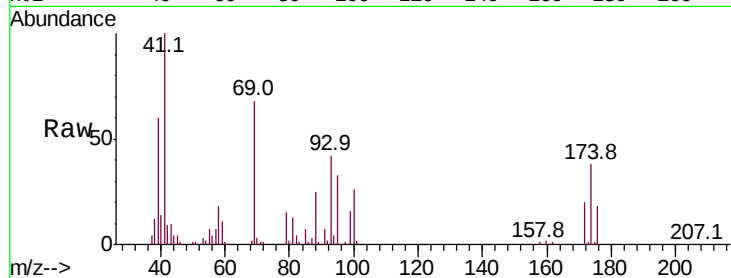




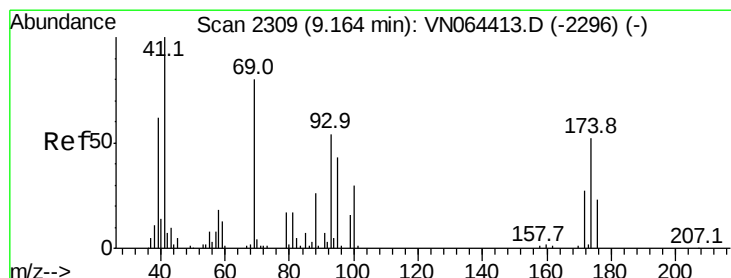
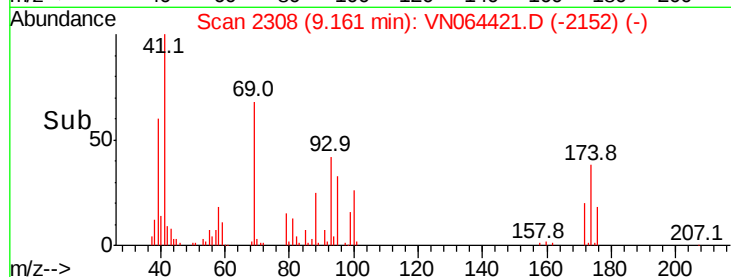
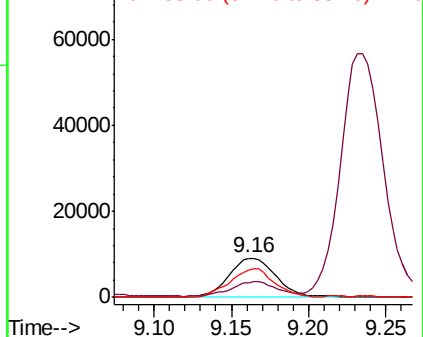
#45
 1,4-Dioxane
 Concen: 367.253 ug/l
 RT: 9.16 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Tot Ion: 88 Resp: 19214
 Ion Ratio Lower Upper
 88 100
 43 36.5 32.0 48.0
 58 68.9 59.1 88.7

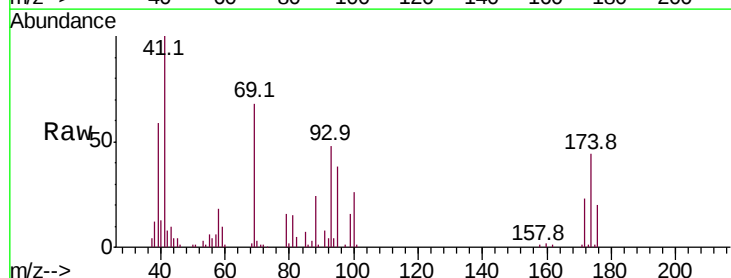


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

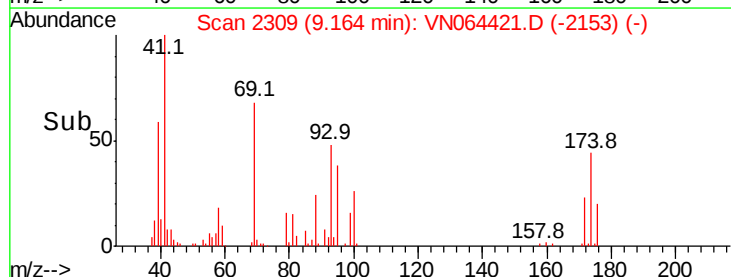
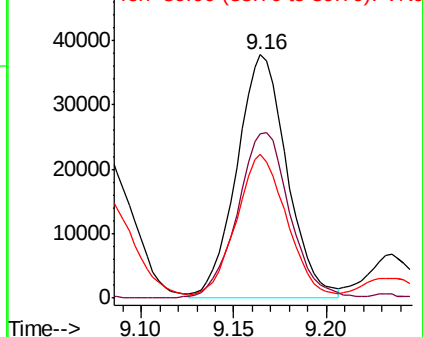


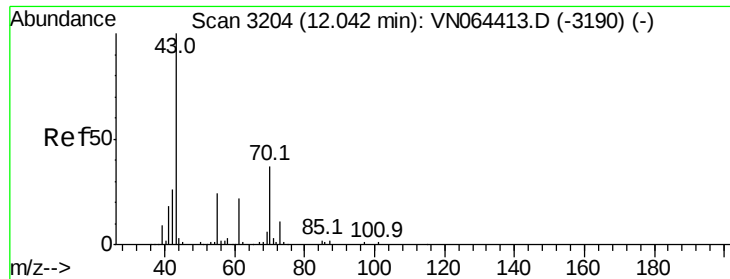
#46
 Methyl methacrylate
 Concen: 19.402 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 41 Resp: 71415
 Ion Ratio Lower Upper
 41 100
 69 68.1 39.8 119.4
 39 58.7 30.5 91.5



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

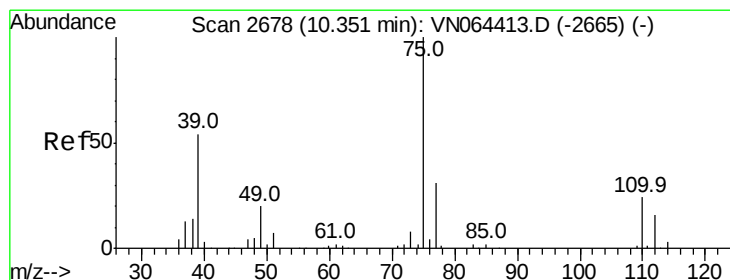
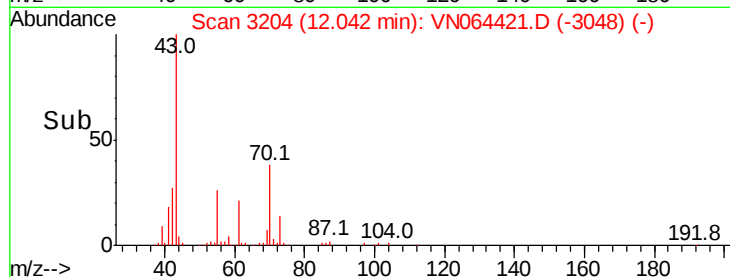
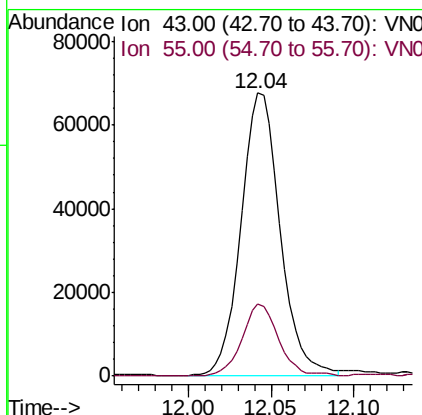
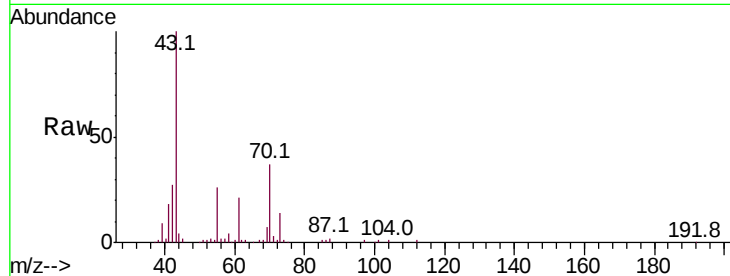




#47
 n-amvl Acetate
 Concen: 17.395 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

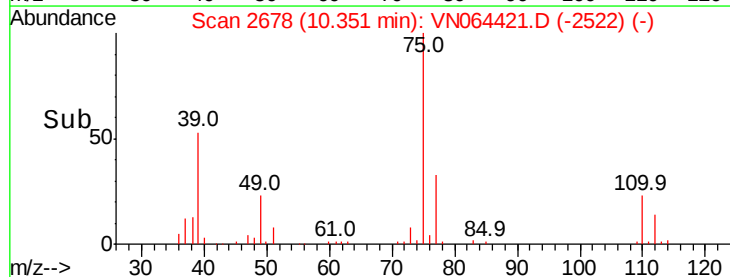
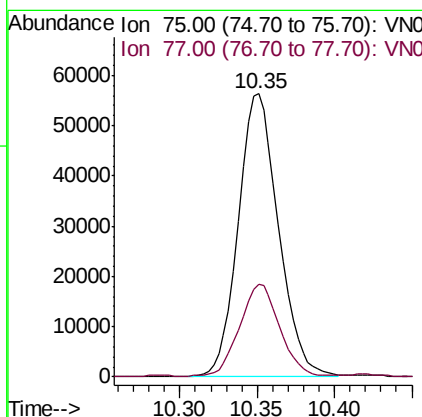
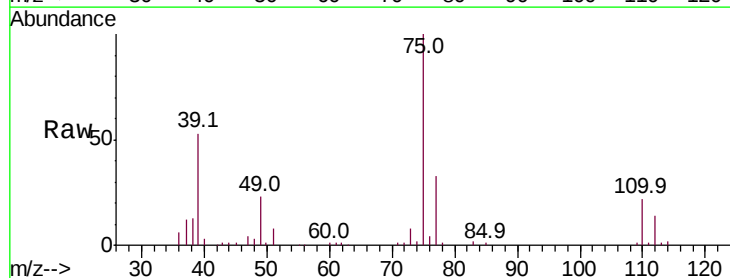
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

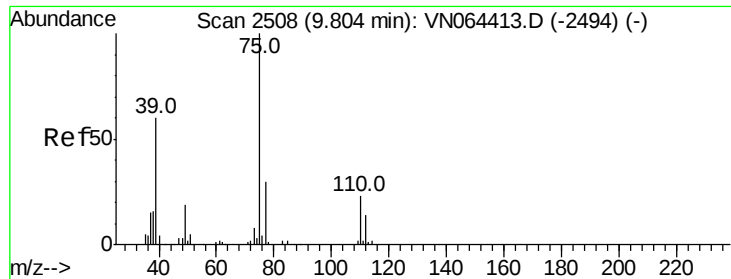
Tot Ion: 43 Resp: 110307
 Ion Ratio Lower Upper
 43 100
 55 23.7 18.1 27.1



#48
 t-1,3-Dichloropropene
 Concen: 17.411 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion: 75 Resp: 101948
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3



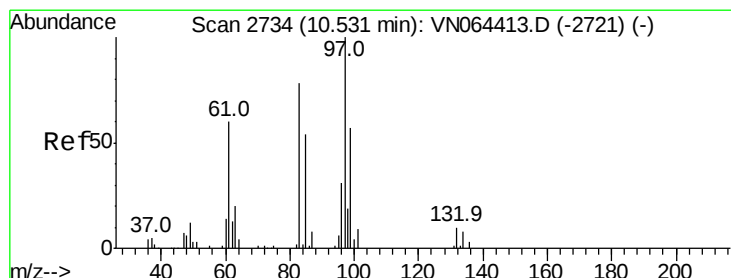
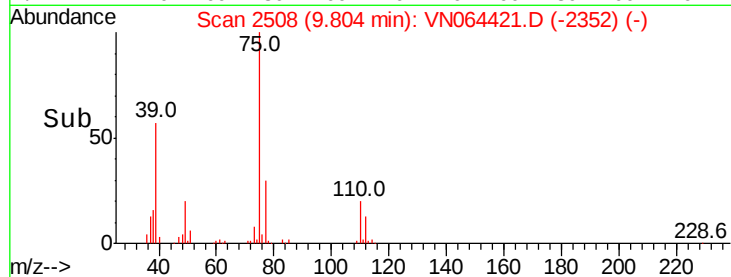
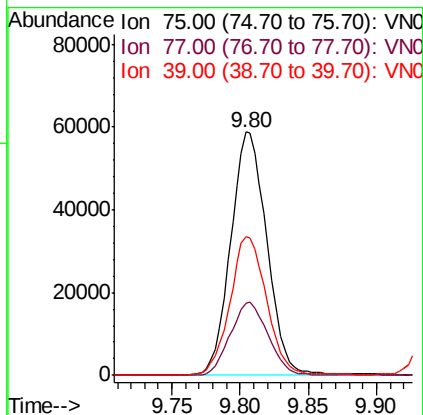
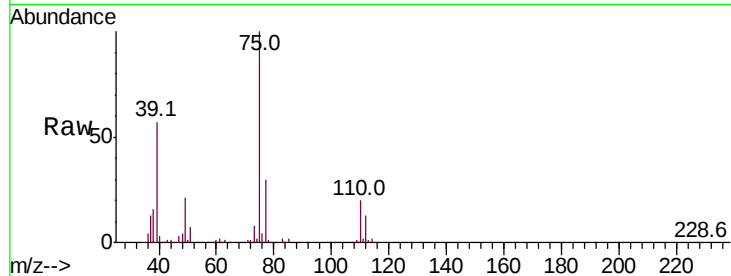


#49

cis-1,3-Dichloropropene
Concen: 17.886 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

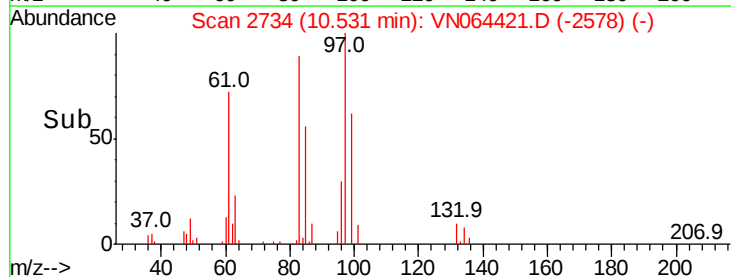
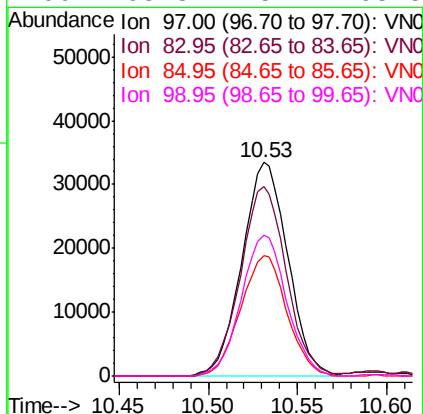
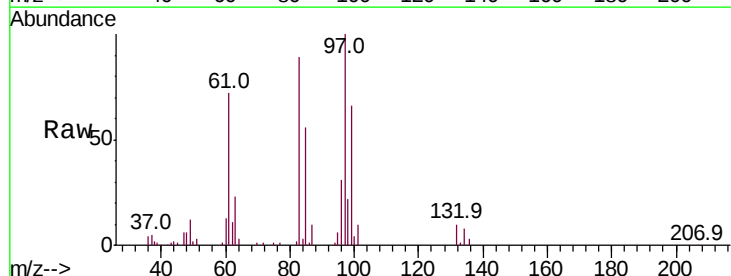
Tot Ion: 75 Resp: 108365
Ion Ratio Lower Upper
75 100
77 29.8 24.3 36.5
39 56.8 48.0 72.0

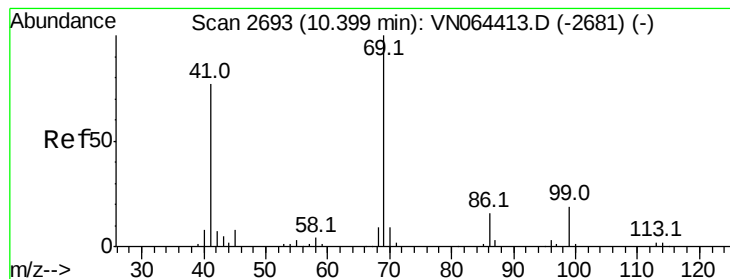


#50

1,1,2-Trichloroethane
Concen: 17.853 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 97 Resp: 60211
Ion Ratio Lower Upper
97 100
83 88.7 62.4 93.6
85 56.4 42.9 64.3
99 65.8 45.7 68.5





#51

Ethyl methacrylate

Concen: 17.281 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

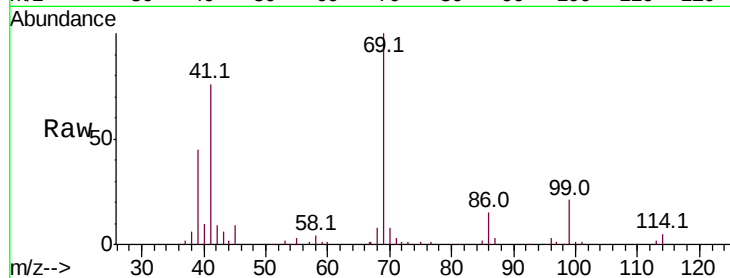
Tot Ion: 69 Resp: 83721

Ion Ratio Lower Upper

69 100

41 76.5 38.4 115.2

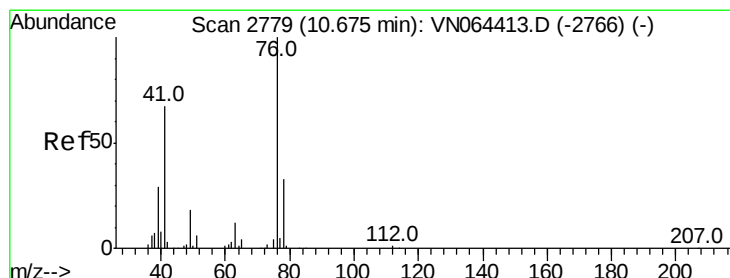
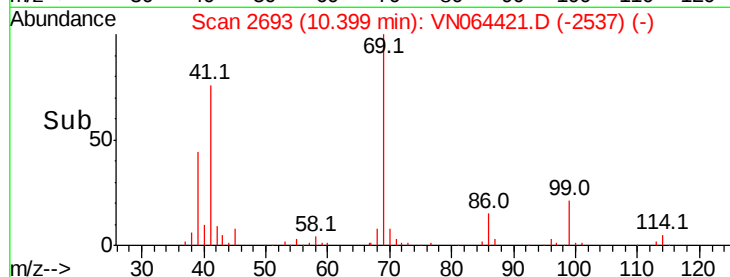
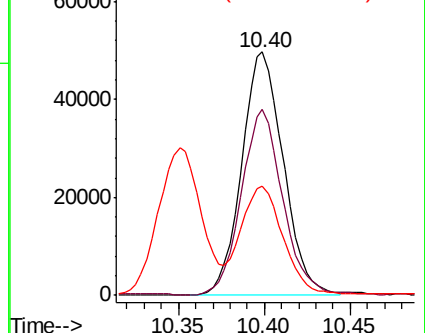
39 44.0 22.7 68.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.192 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064421.D

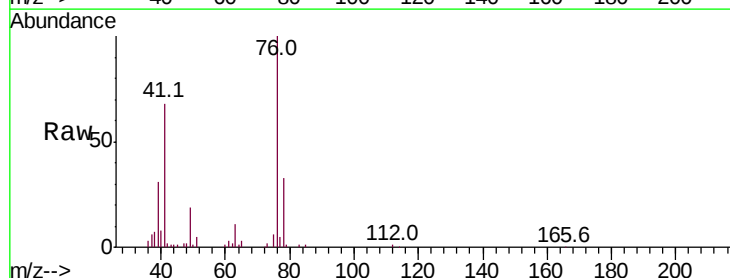
Acq: 2 Nov 2020 18:01

Tgt Ion: 76 Resp: 103463

Ion Ratio Lower Upper

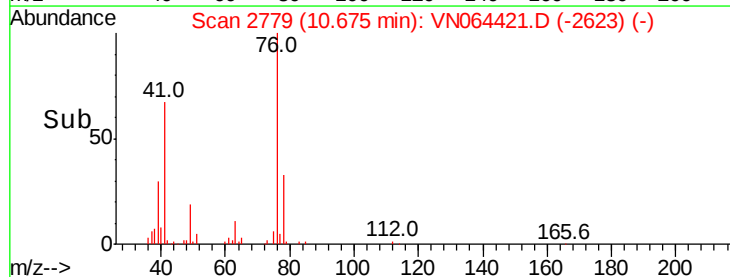
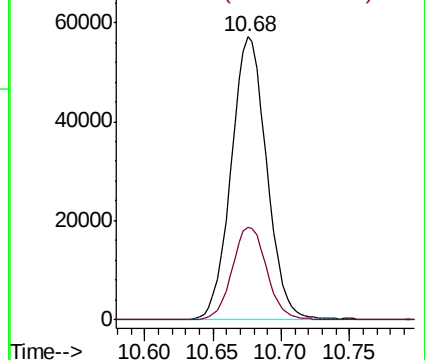
76 100

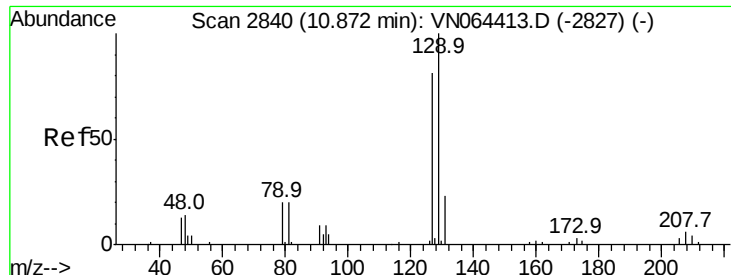
78 31.7 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.775 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

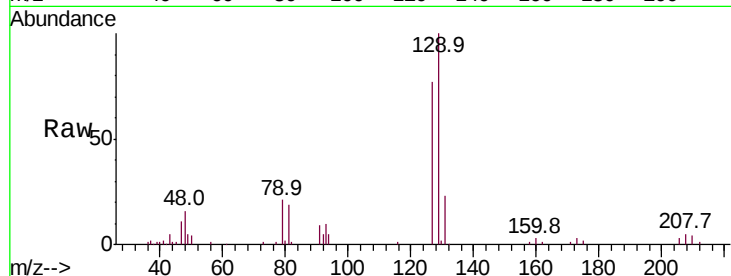
VN1102WBS01

Tot Ion:129 Resp: 73634

Ion Ratio Lower Upper

129 100

127 77.5 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

40000

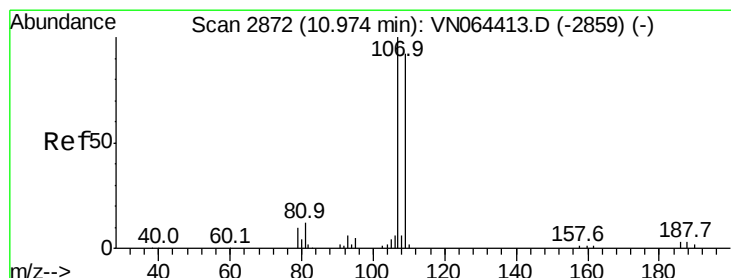
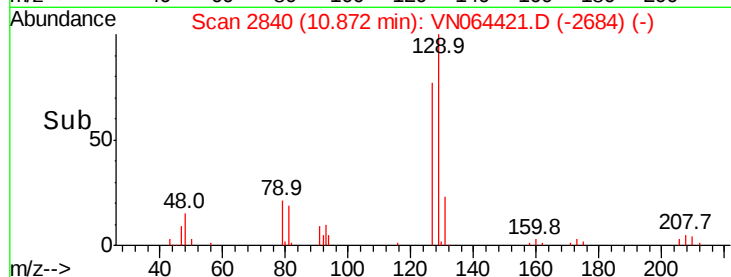
30000

20000

10000

0

Time--> 10.80 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 17.461 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN064421.D

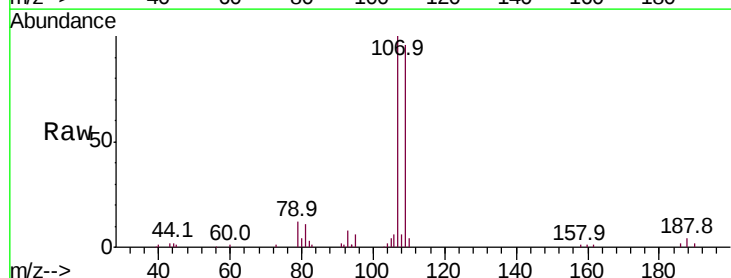
Acq: 2 Nov 2020 18:01

Tgt Ion:107 Resp: 63035

Ion Ratio Lower Upper

107 100

109 97.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.97

40000

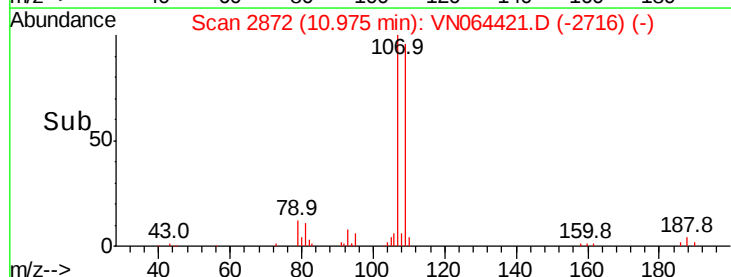
30000

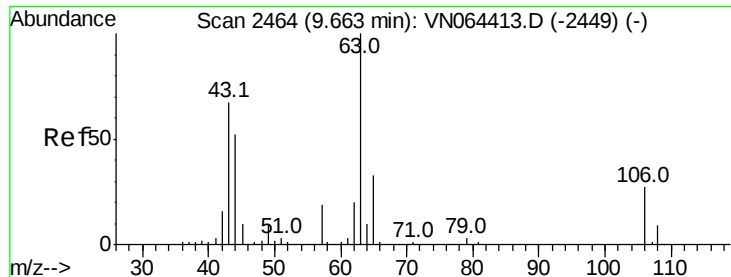
20000

10000

0

Time--> 10.90 10.95 11.00 11.05





#55

2-Chloroethyl vinyl ether

Concen: 84.583 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

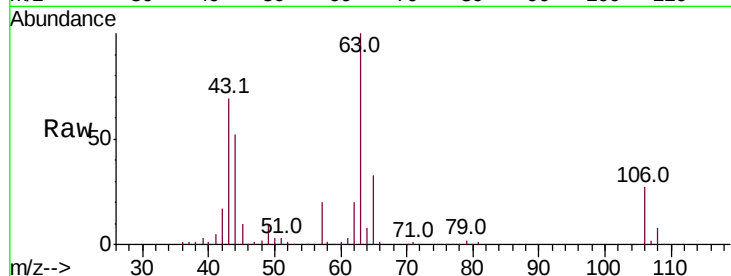
Tot Ion: 63 Resp: 220245

Ion Ratio Lower Upper

63 100

65 33.1 26.2 39.4

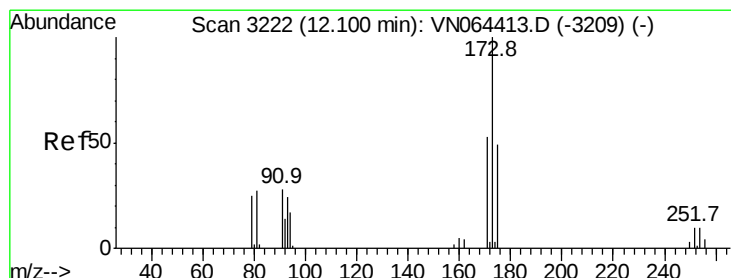
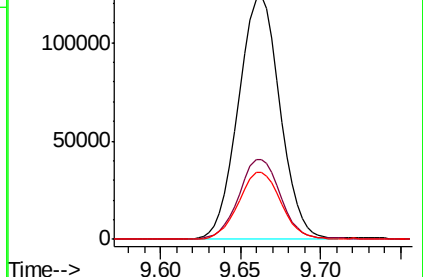
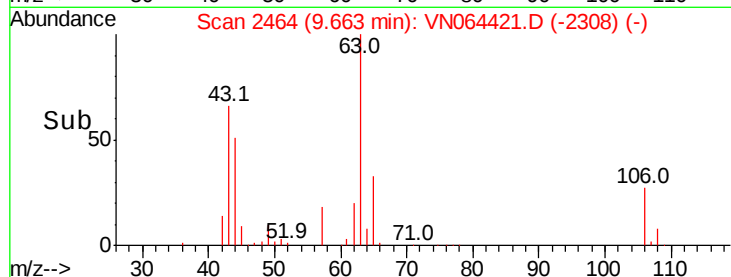
106 28.0 21.8 32.6



Abundance Ion 63.00 (62.70 to 63.70): VN064421.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN064421.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN064421.D (-2308) (-)



#56

Bromoform

Concen: 17.279 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

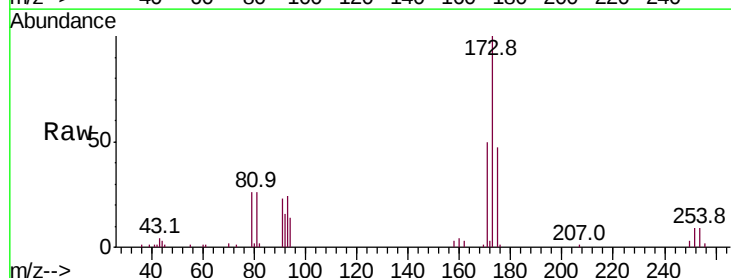
Tgt Ion: 173 Resp: 50489

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

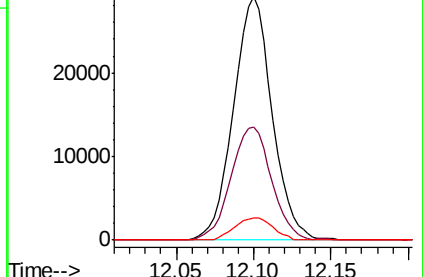
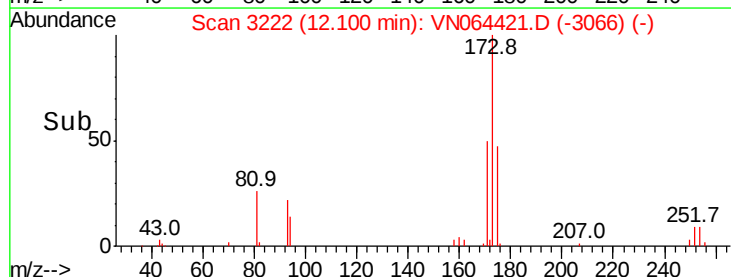
254 8.9 7.0 10.6

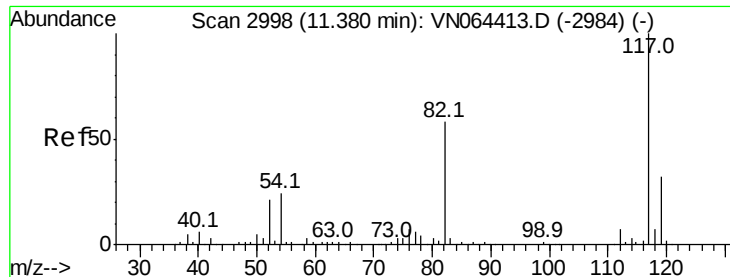


Abundance Ion 173.00 (172.70 to 173.70): VN064421.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN064421.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN064421.D (-3066) (-)

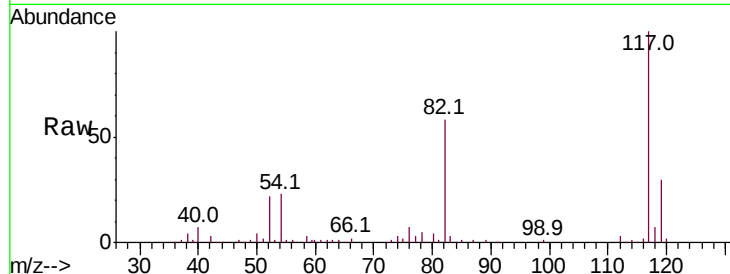




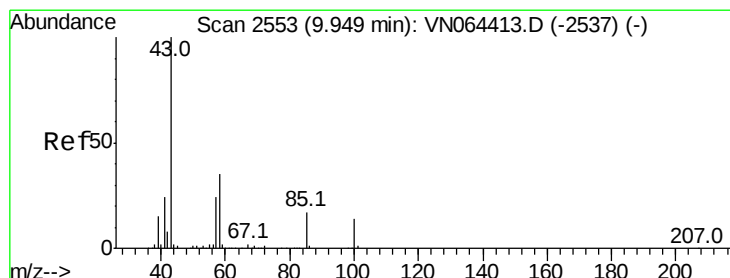
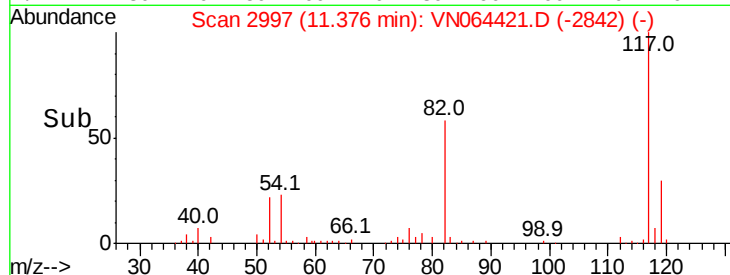
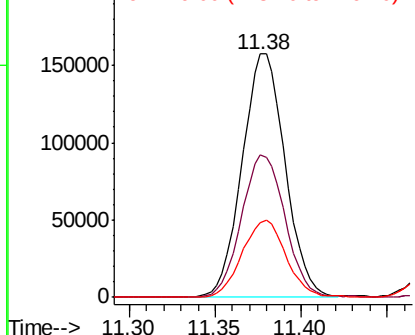
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

Tot Ion:117 Resp: 273696
Ion Ratio Lower Upper
117 100
82 59.0 46.1 69.1
119 32.0 26.2 39.2

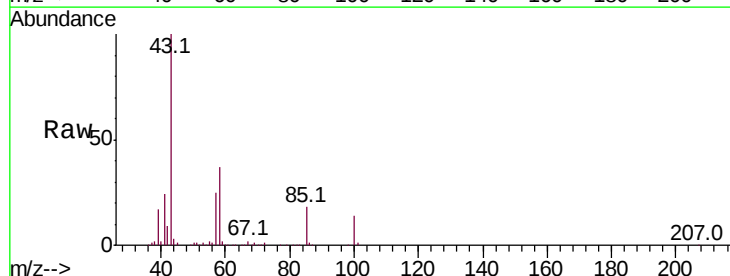


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

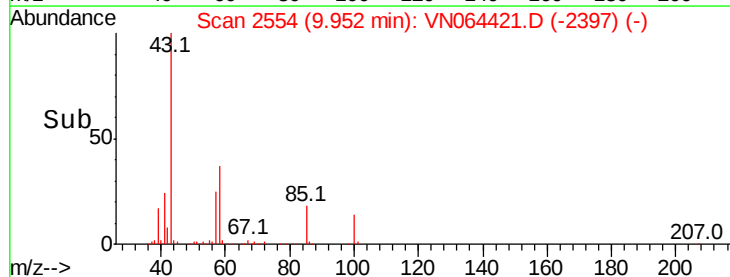
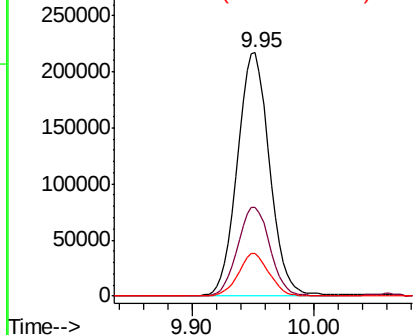


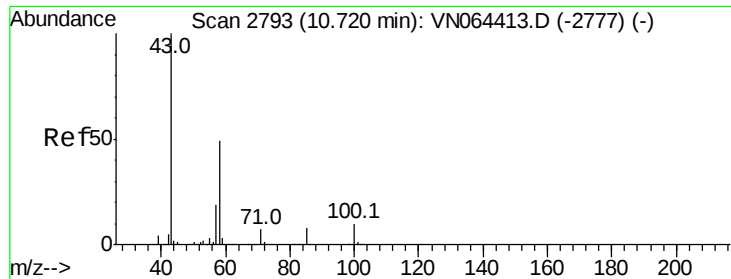
#58
4-Methyl-2-Pentanone
Concen: 91.063 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 43 Resp: 394497
Ion Ratio Lower Upper
43 100
58 36.8 28.6 43.0
85 16.8 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

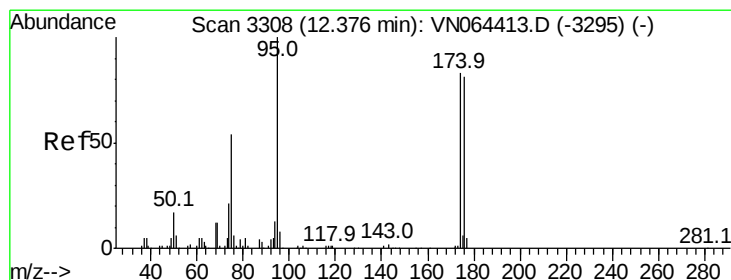
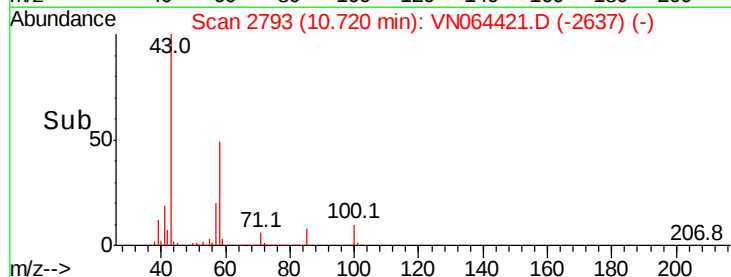
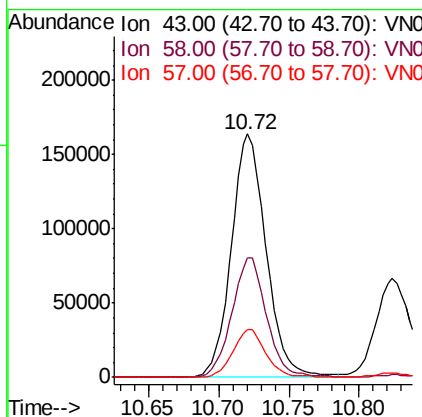
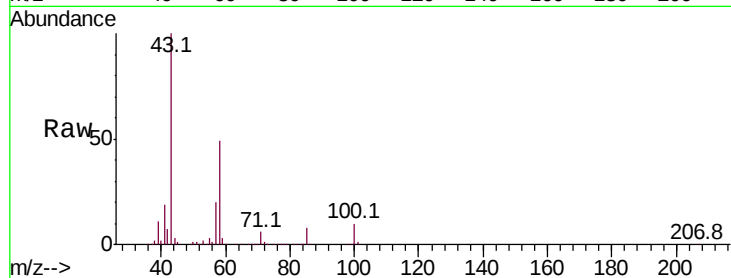




#59
2-Hexanone
Concen: 87.070 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

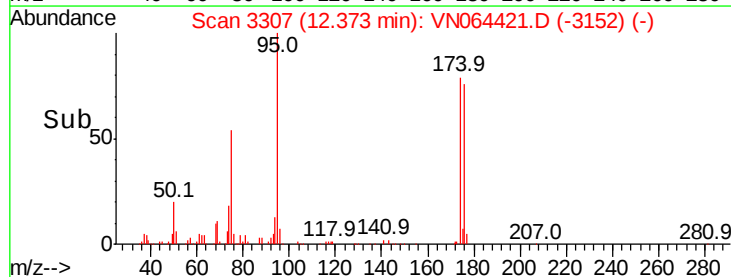
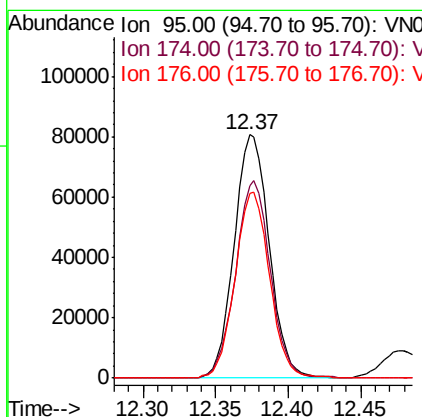
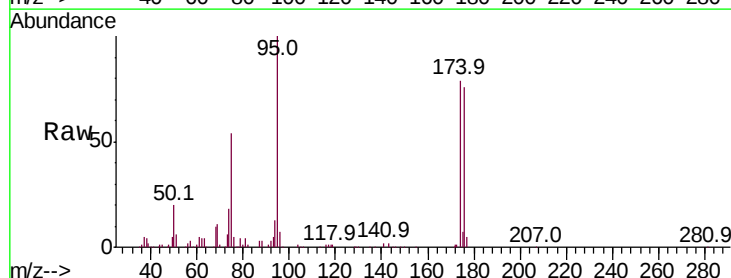
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

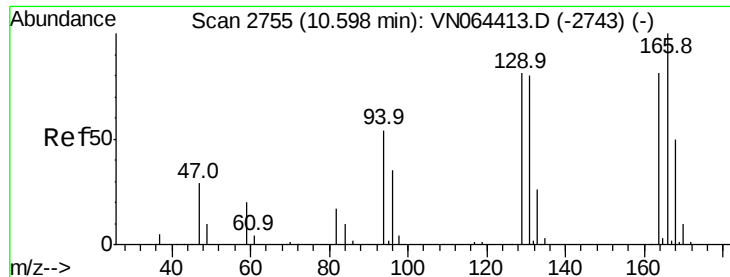
Tot Ion: 43 Resp: 280744
Ion Ratio Lower Upper
43 100
58 49.5 39.4 59.0
57 18.7 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.349 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 95 Resp: 135754
Ion Ratio Lower Upper
95 100
174 80.2 65.2 97.8
176 75.5 62.2 93.4





#61

Tetrachloroethene

Concen: 17.578 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

Tot Ion:164 Resp: 65219

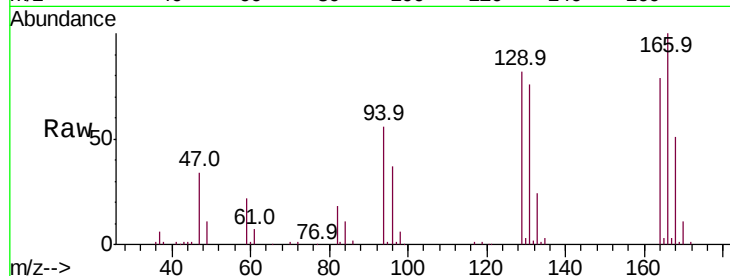
Ion Ratio Lower Upper

164 100

166 126.9 98.7 148.1

129 103.8 80.2 120.4

131 95.9 78.7 118.1

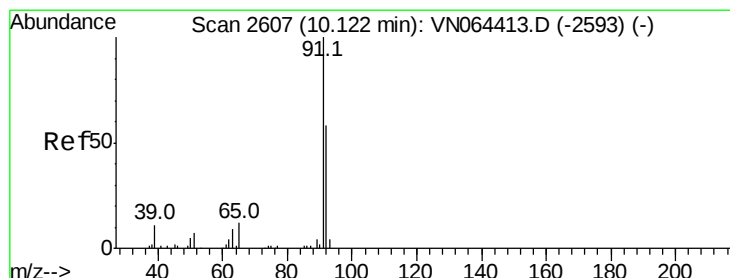
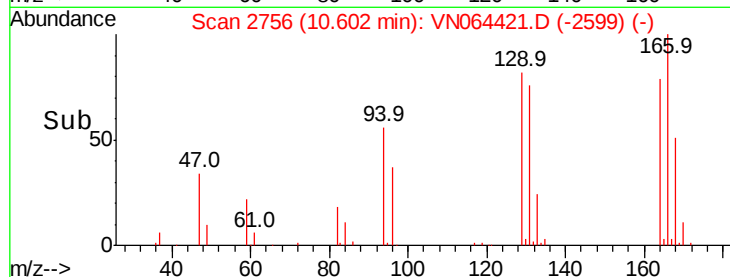
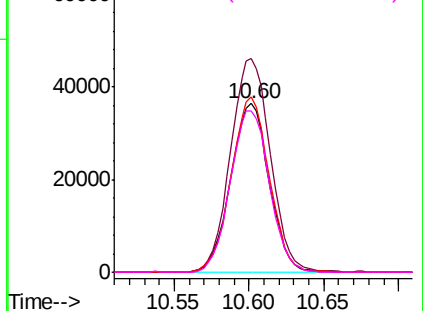


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.629 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064421.D

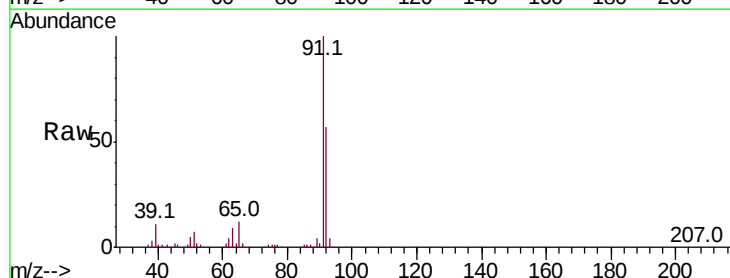
Acq: 2 Nov 2020 18:01

Tgt Ion: 91 Resp: 270267

Ion Ratio Lower Upper

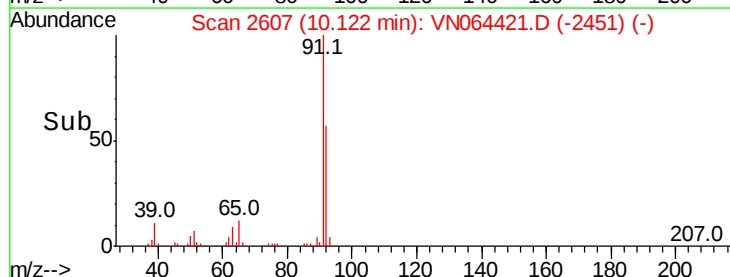
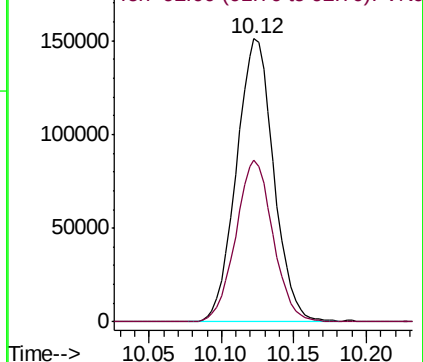
91 100

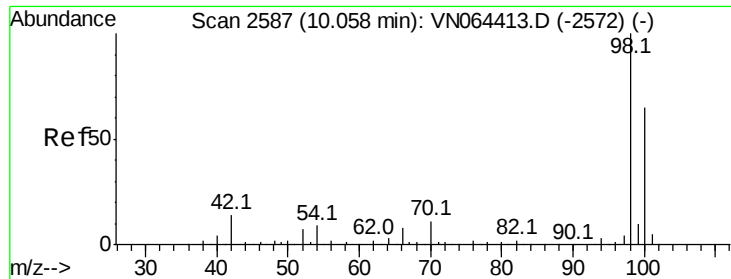
92 57.0 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.029 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

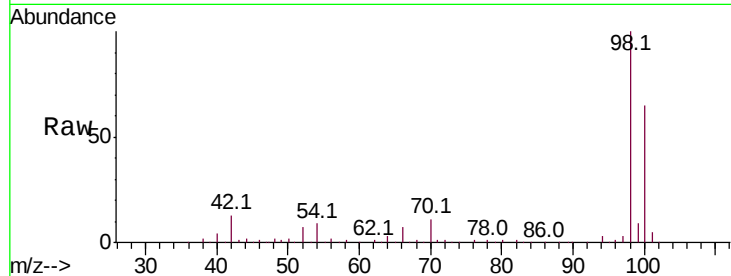
VN1102WBS01

Tot Ion: 98 Resp: 366501

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN064413.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064413.D (-2572) (-)

10.06

200000

150000

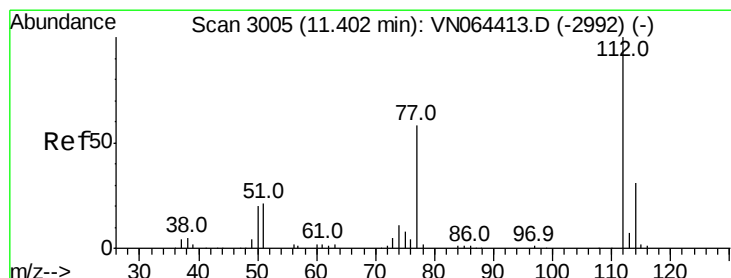
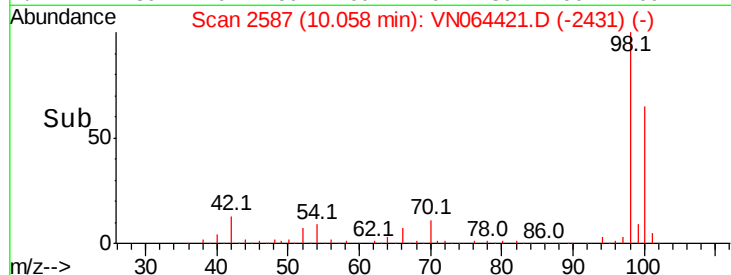
100000

50000

0

10.00 10.10

Time-->



#64

Chlorobenzene

Concen: 17.557 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064421.D

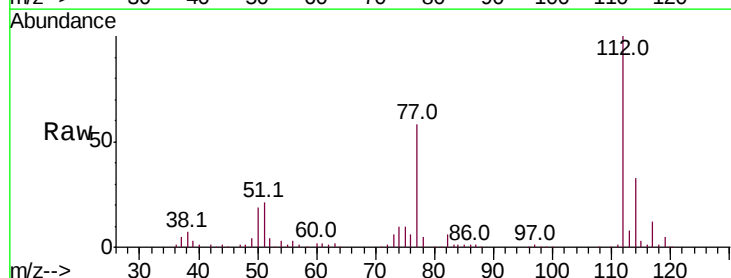
Acq: 2 Nov 2020 18:01

Tgt Ion: 112 Resp: 168497

Ion Ratio Lower Upper

112 100

114 32.5 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): VN064413.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064413.D (-2992) (-)

11.41

100000

80000

60000

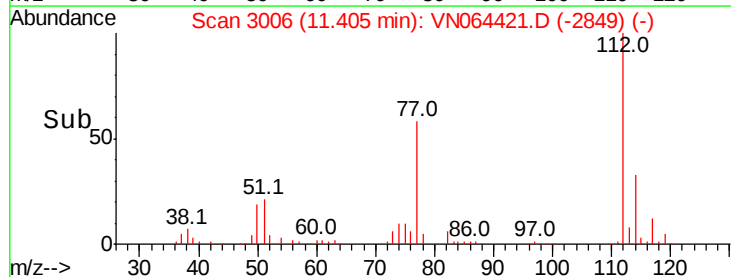
40000

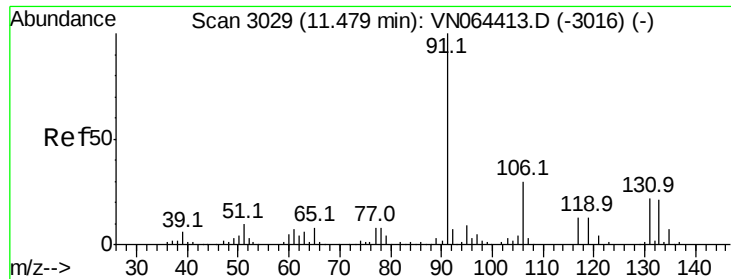
20000

0

11.35 11.40 11.45

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.216 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

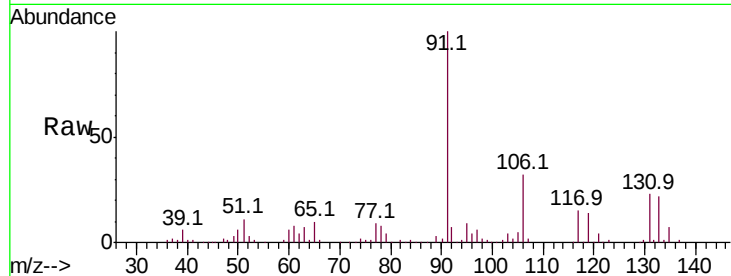
Tot Ion:131 Resp: 67924

Ion Ratio Lower Upper

131 100

133 94.6 0.0 191.2

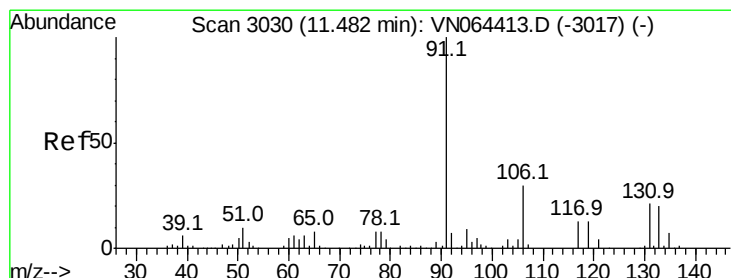
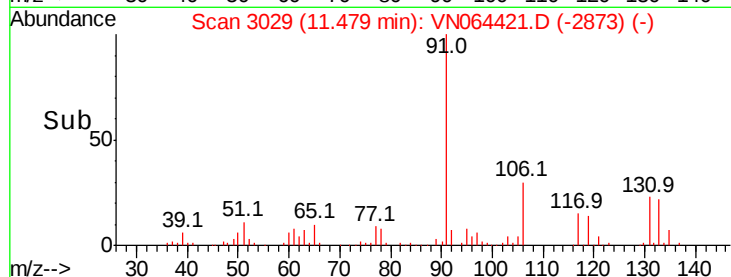
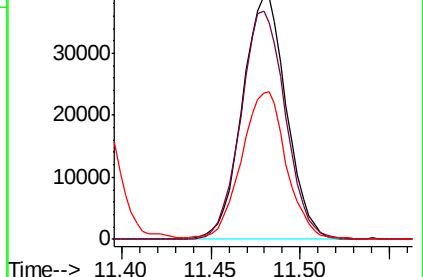
119 60.9 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.567 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064421.D

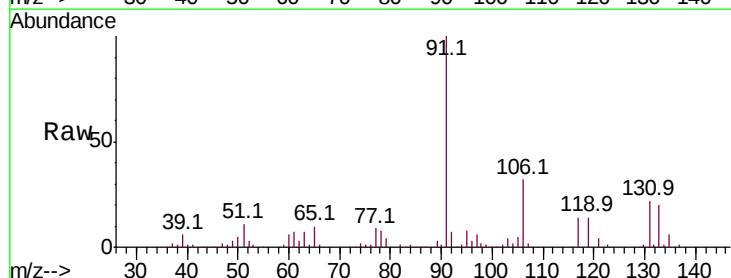
Acq: 2 Nov 2020 18:01

Tgt Ion: 91 Resp: 297178

Ion Ratio Lower Upper

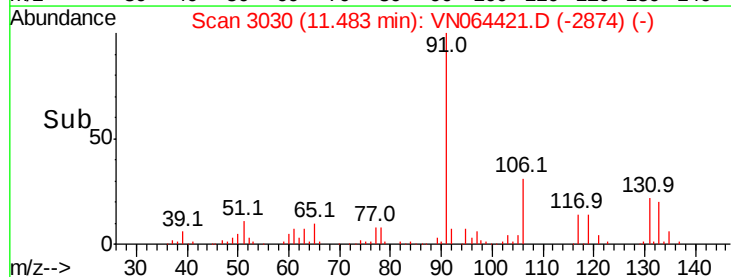
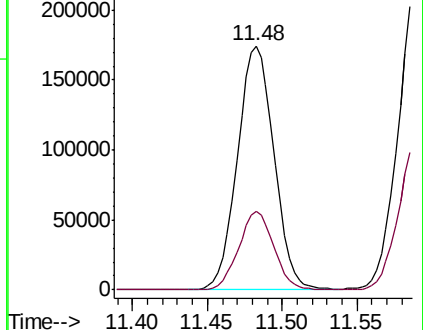
91 100

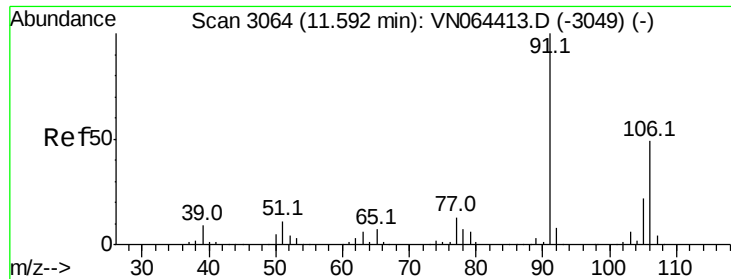
106 32.3 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 35.091 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

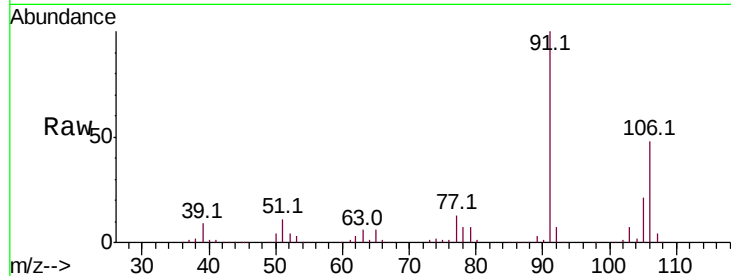
VN1102WBS01

Tot Ion:106 Resp: 223277

Ion Ratio Lower Upper

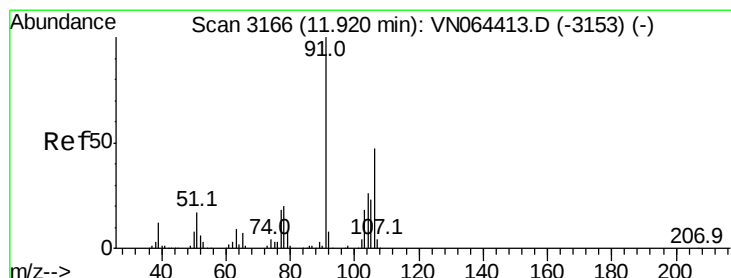
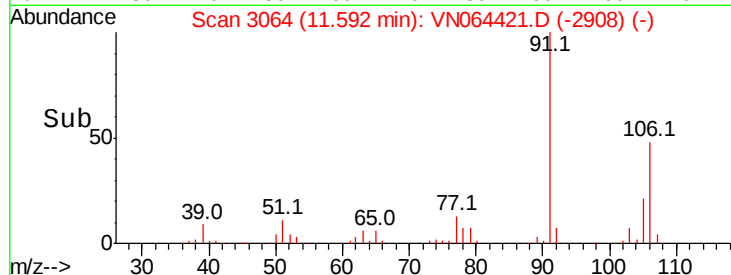
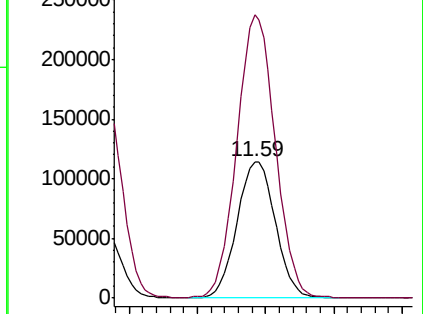
106 100

91 205.8 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 17.303 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064421.D

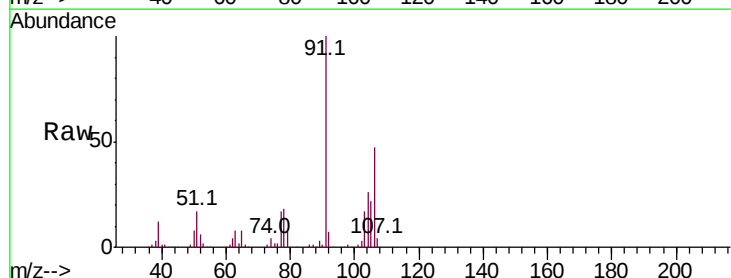
Acq: 2 Nov 2020 18:01

Tgt Ion:106 Resp: 106096

Ion Ratio Lower Upper

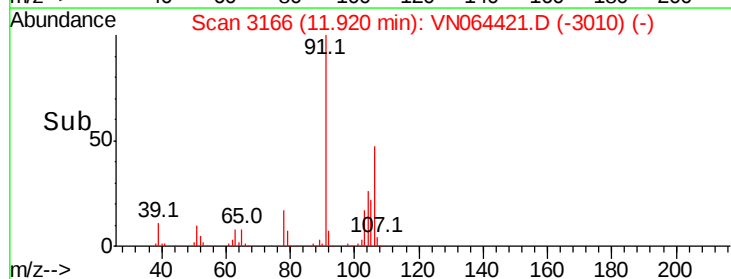
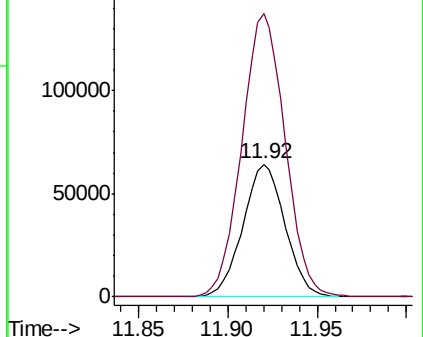
106 100

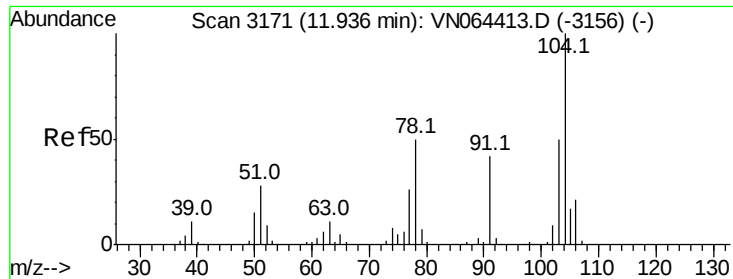
91 219.6 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

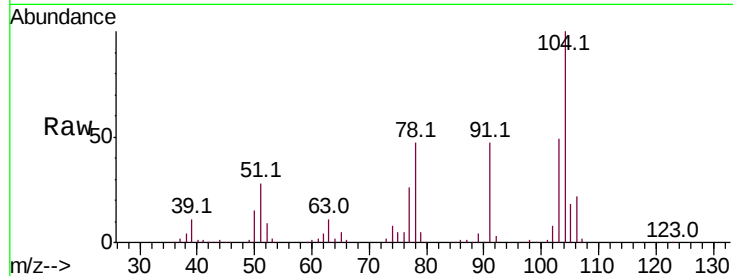




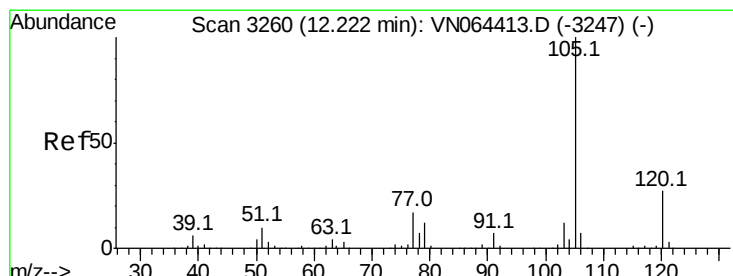
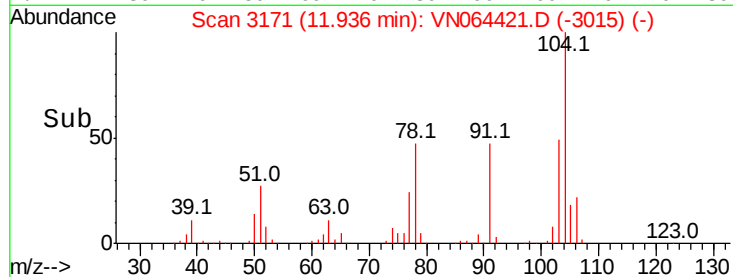
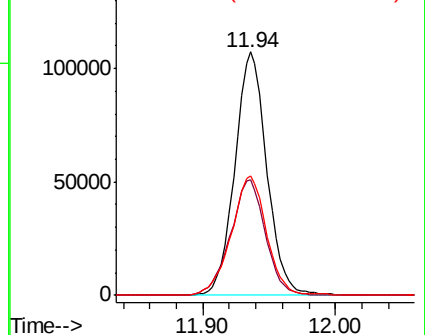
#69
Stvrene
Concen: 17.605 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

Tot Ion:104 Resp: 179998
Ion Ratio Lower Upper
104 100
78 51.6 44.3 66.5
103 53.6 43.5 65.3

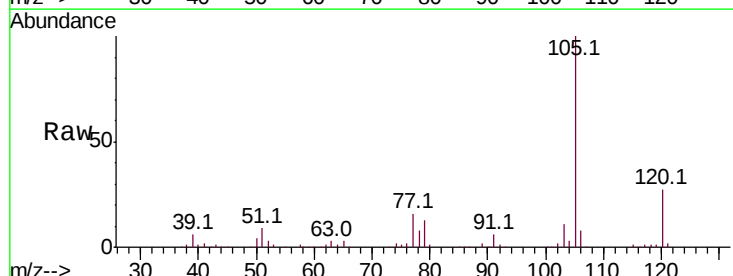


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

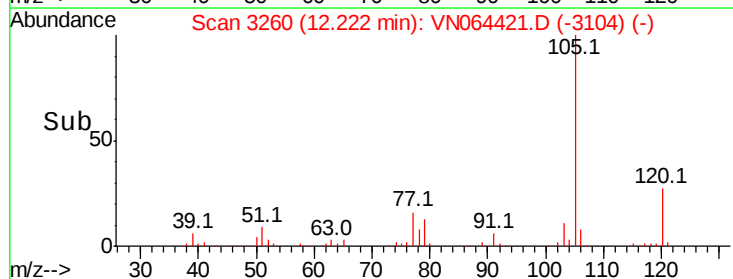
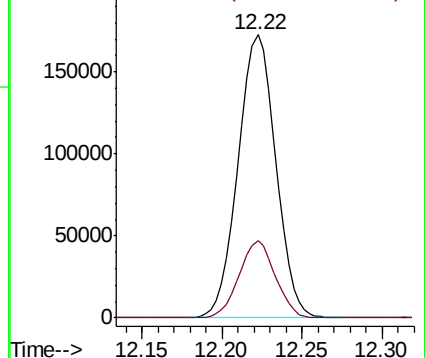


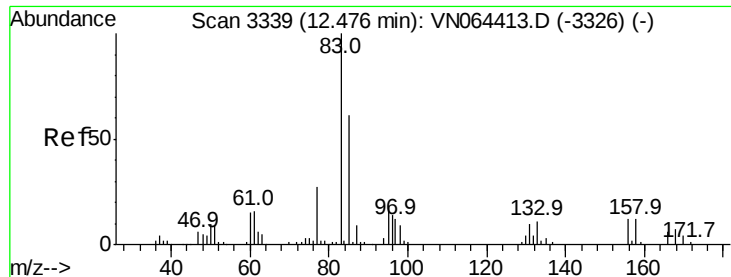
#70
Isopropylbenzene
Concen: 17.461 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion:105 Resp: 276986
Ion Ratio Lower Upper
105 100
120 26.1 18.0 33.4



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





#71

1,1,2,2-Tetrachloroethane

Concen: 17.618 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

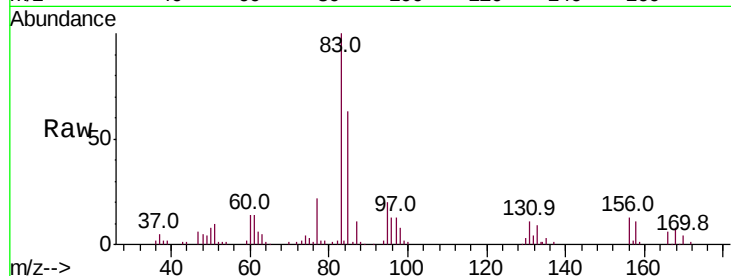
Tot Ion: 83 Resp: 77720

Ion Ratio Lower Upper

83 100

131 11.9 5.3 16.1

85 66.4 30.9 92.7

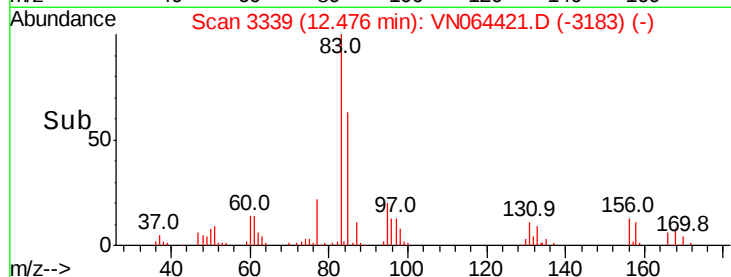


Abundance Ion 83.00 (82.70 to 83.70): VN064421.D (-3183) (-)

Ion 131.00 (130.70 to 131.70): VN064421.D (-3183) (-)

Ion 85.00 (84.70 to 85.70): VN064421.D (-3183) (-)

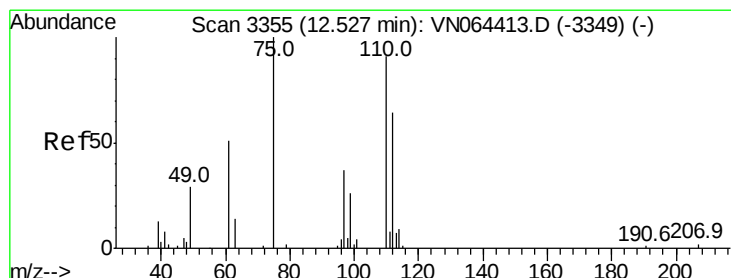
Time--> 12.40 12.45 12.50



Abundance Ion 75.00 (74.70 to 75.70): VN064421.D (-3199) (-)

Ion 77.00 (76.70 to 77.70): VN064421.D (-3199) (-)

Time--> 12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 24.787 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064421.D

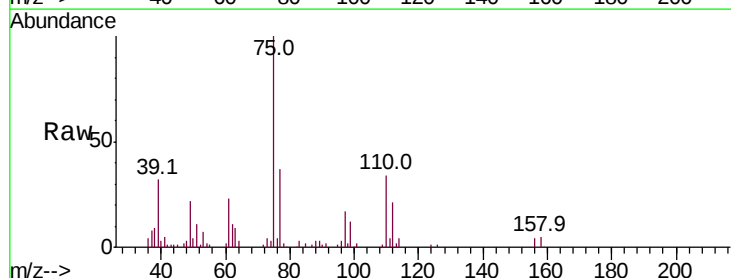
Acq: 2 Nov 2020 18:01

Tgt Ion: 75 Resp: 114164

Ion Ratio Lower Upper

75 100

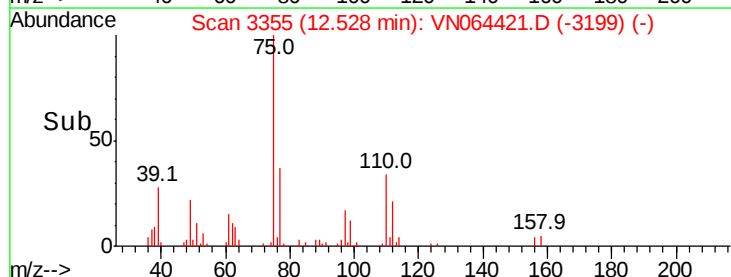
77 132.0 0.0 374.2



Abundance Ion 75.00 (74.70 to 75.70): VN064421.D (-3199) (-)

Ion 77.00 (76.70 to 77.70): VN064421.D (-3199) (-)

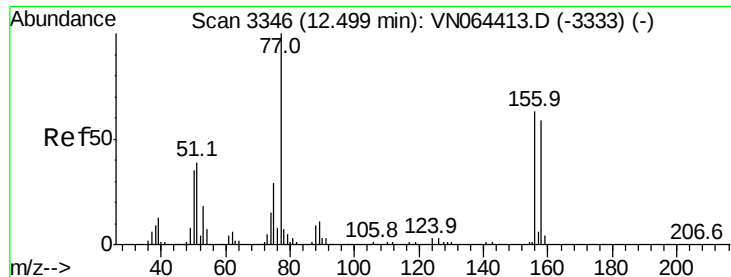
Time--> 12.40 12.45 12.50



Abundance Ion 75.00 (74.70 to 75.70): VN064421.D (-3199) (-)

Ion 77.00 (76.70 to 77.70): VN064421.D (-3199) (-)

Time--> 12.40 12.45 12.50



#73

Bromobenzene

Concen: 17.337 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

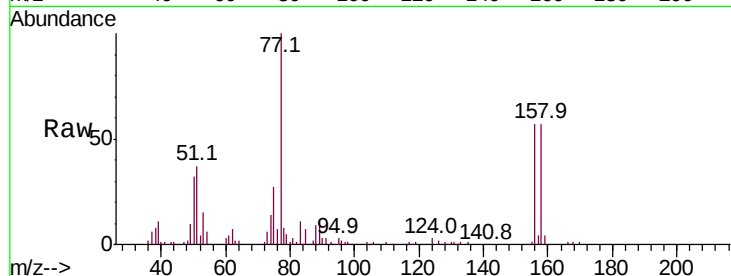
Tot Ion:156 Resp: 71355

Ion Ratio Lower Upper

156 100

77 211.2 0.0 409.4

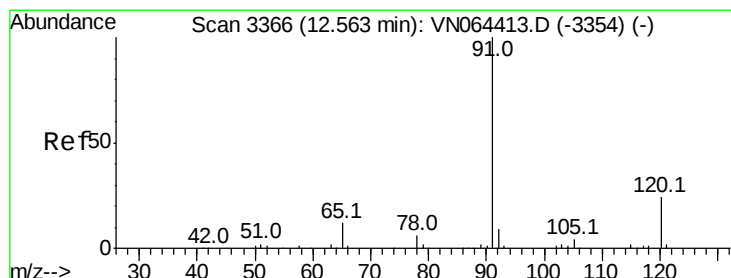
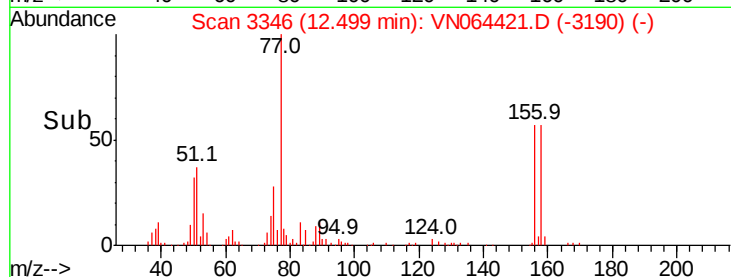
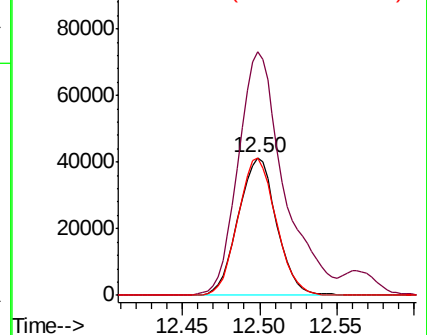
158 99.2 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.319 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064421.D

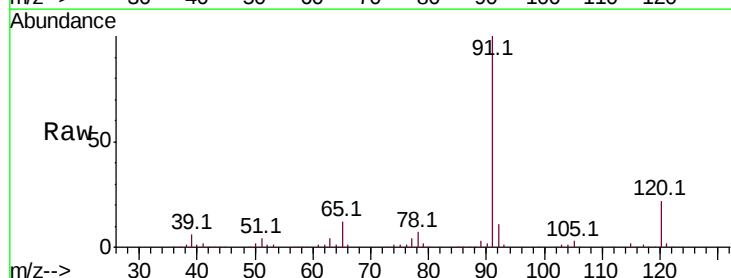
Acq: 2 Nov 2020 18:01

Tgt Ion: 91 Resp: 301258

Ion Ratio Lower Upper

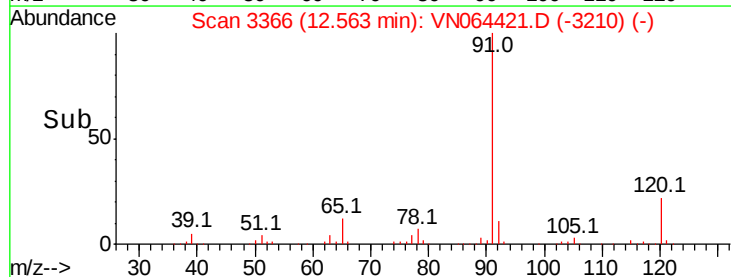
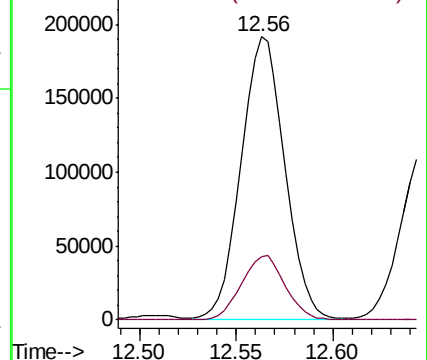
91 100

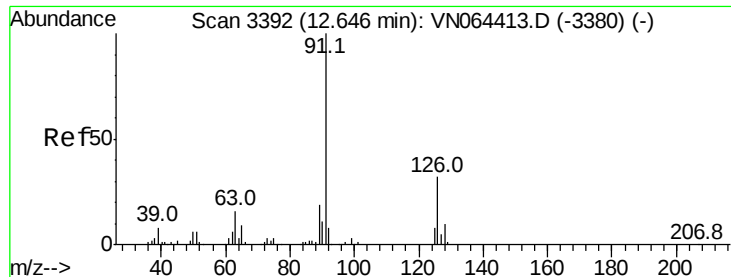
120 22.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.184 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

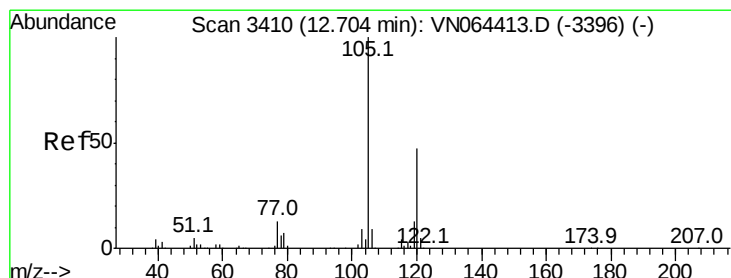
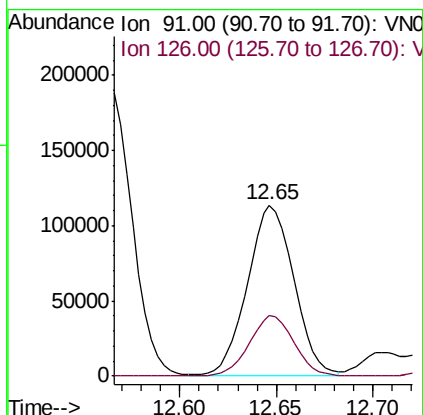
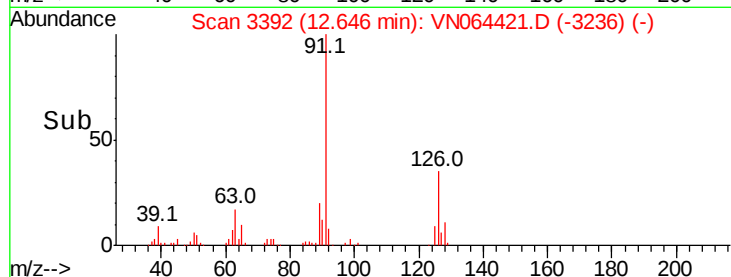
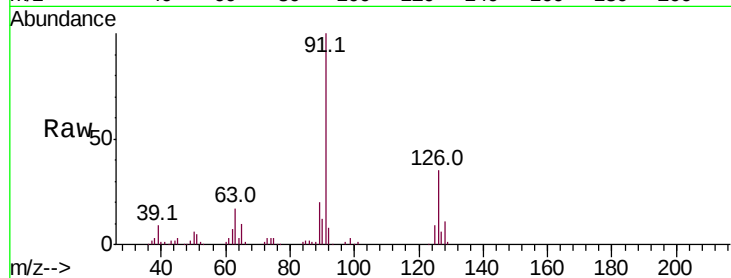
VN1102WBS01

Tot Ion: 91 Resp: 189349

Ion Ratio Lower Upper

91 100

126 34.1 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 17.288 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064421.D

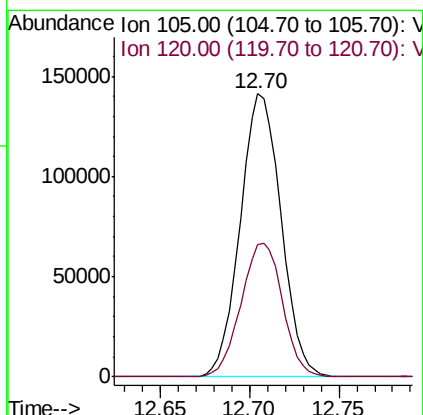
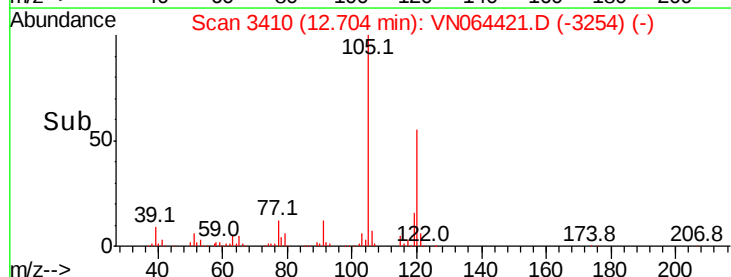
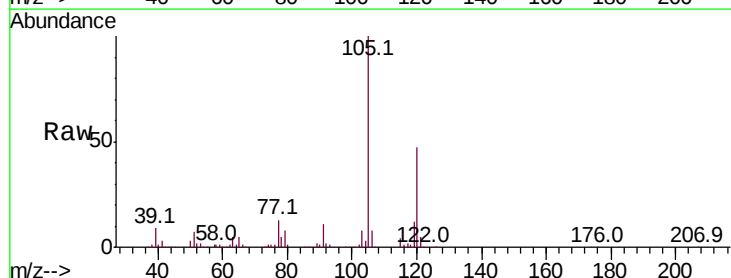
Acq: 2 Nov 2020 18:01

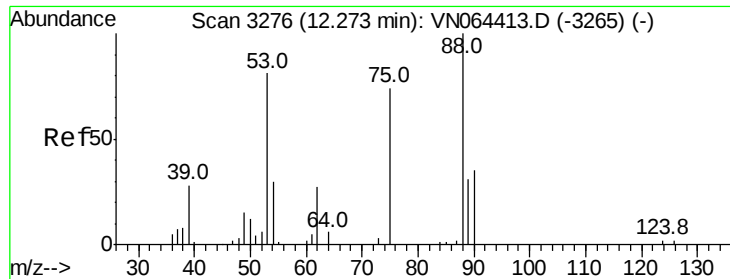
Tgt Ion: 105 Resp: 225908

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.0

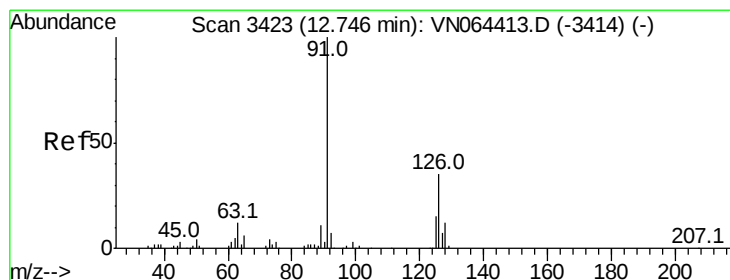
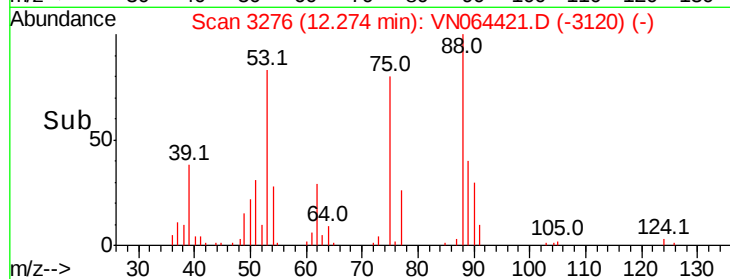
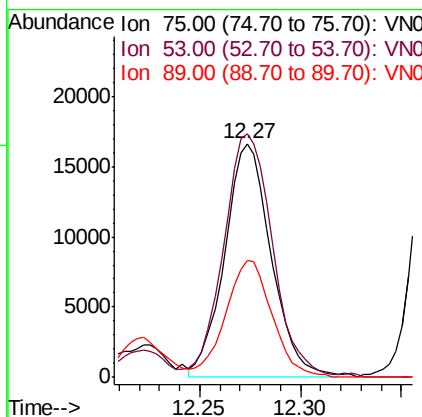
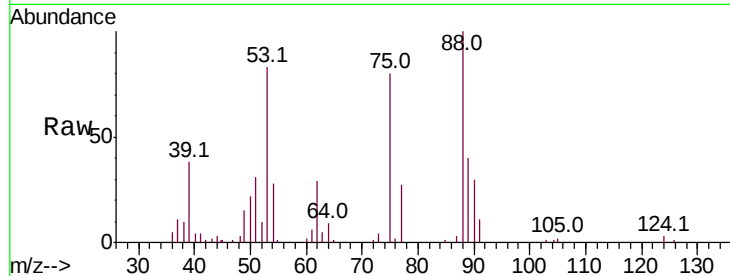




#77
t-1,4-Dichloro-2-butene
Concen: 16.560 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

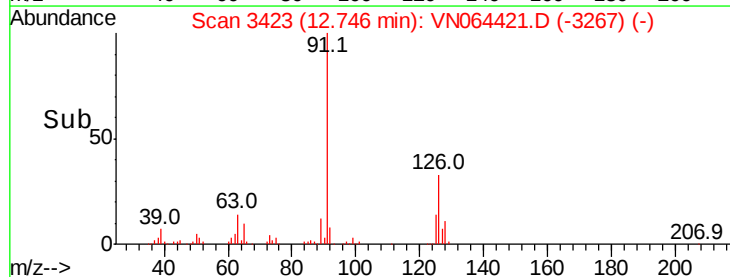
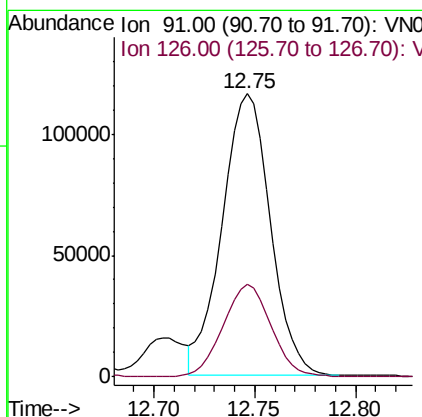
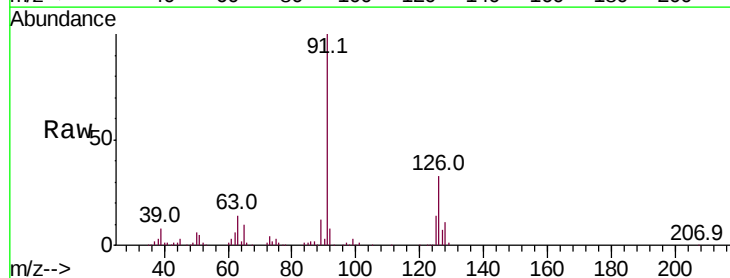
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

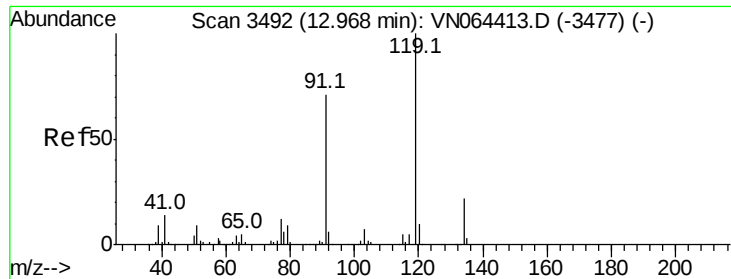
Tot Ion: 75 Resp: 26887
Ion Ratio Lower Upper
75 100
53 104.1 54.1 162.4
89 50.9 23.1 69.3



#78
4-Chlorotoluene
Concen: 16.994 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 91 Resp: 193462
Ion Ratio Lower Upper
91 100
126 32.9 0.0 63.2





#79

tert-butylbenzene

Concen: 17.788 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

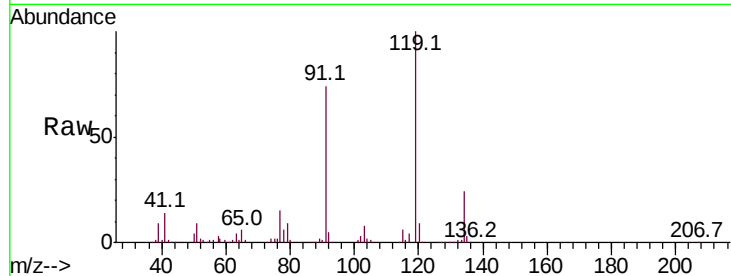
Tot Ion:119 Resp: 185910

Ion Ratio Lower Upper

119 100

91 70.3 0.0 140.4

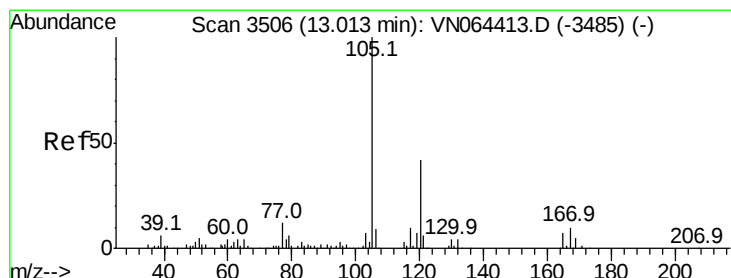
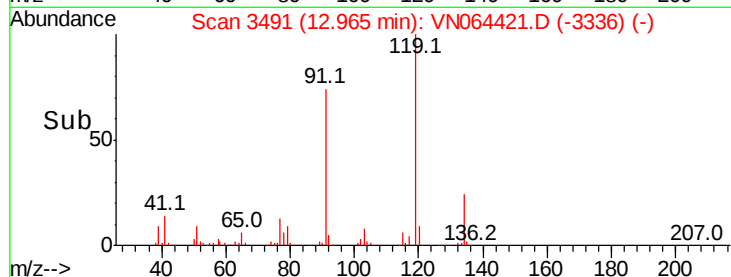
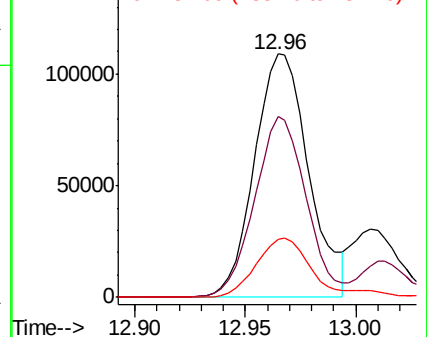
134 23.5 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 16.996 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064421.D

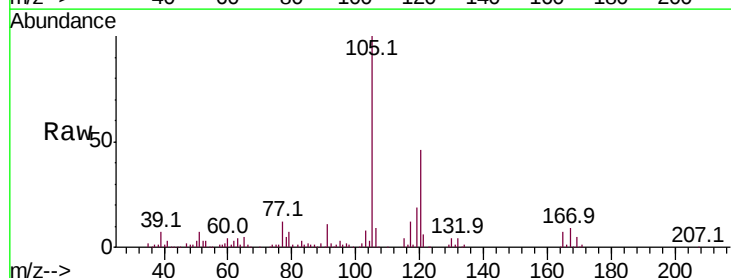
Acq: 2 Nov 2020 18:01

Tgt Ion:105 Resp: 225016

Ion Ratio Lower Upper

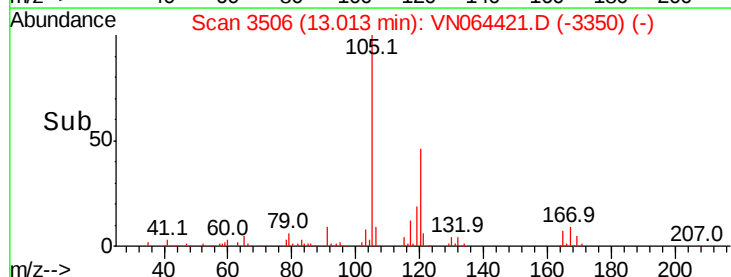
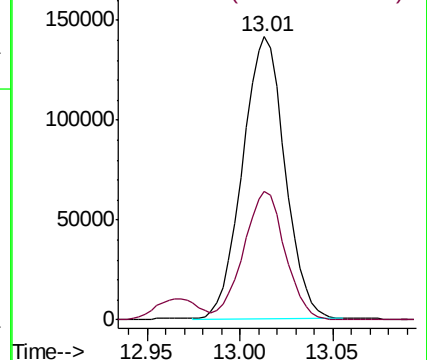
105 100

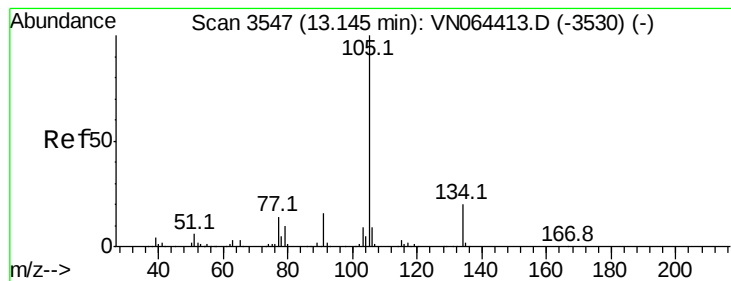
120 44.7 0.0 88.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.064 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

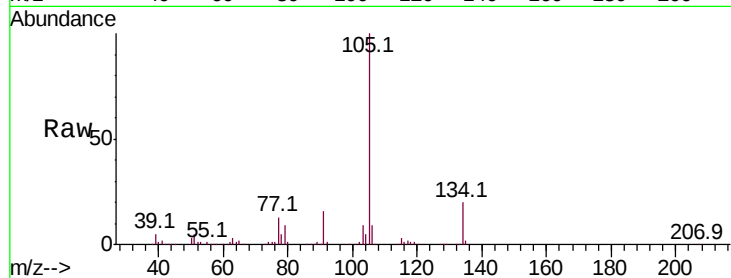
VN1102WBS01

Tot Ion:105 Resp: 224963

Ion Ratio Lower Upper

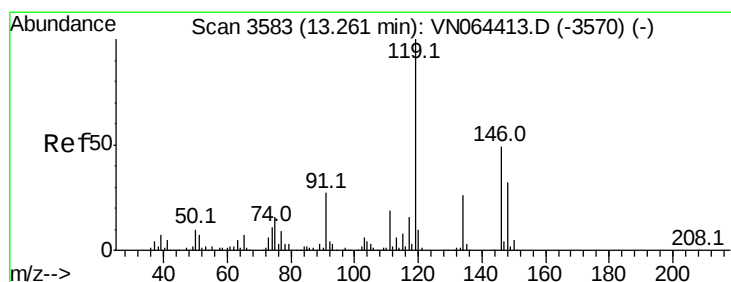
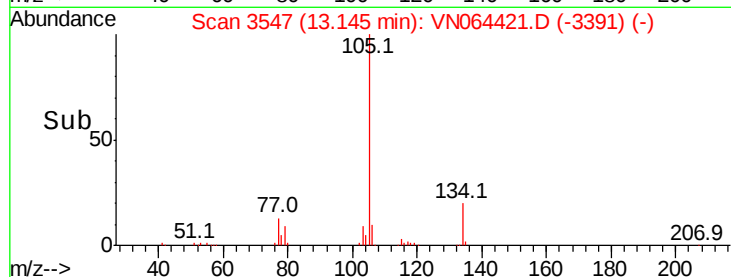
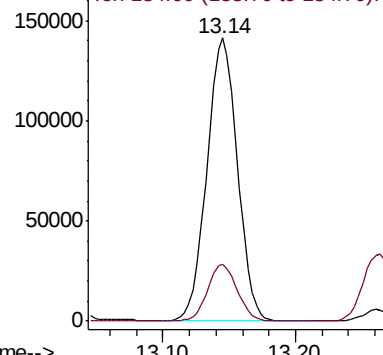
105 100

134 19.5 0.0 39.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 16.651 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

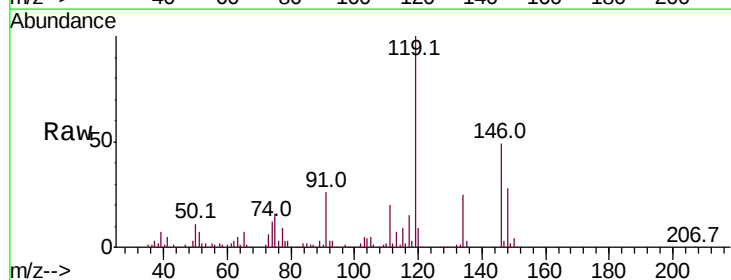
Tgt Ion:119 Resp: 201708

Ion Ratio Lower Upper

119 100

134 26.1 0.0 51.0

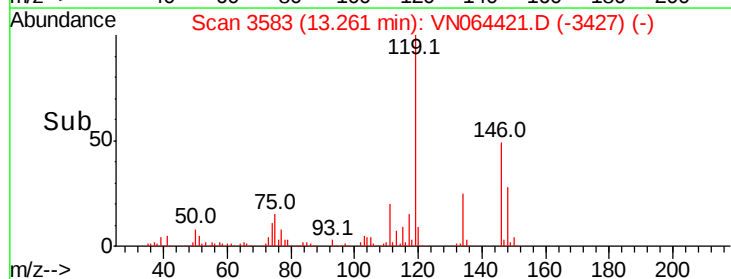
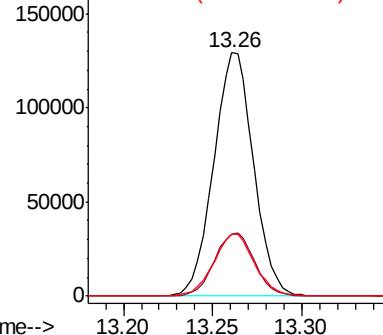
91 26.1 0.0 51.4

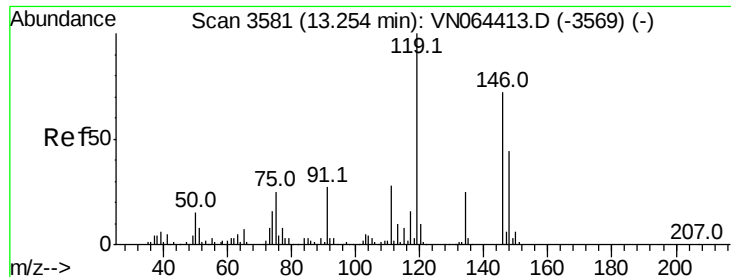


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

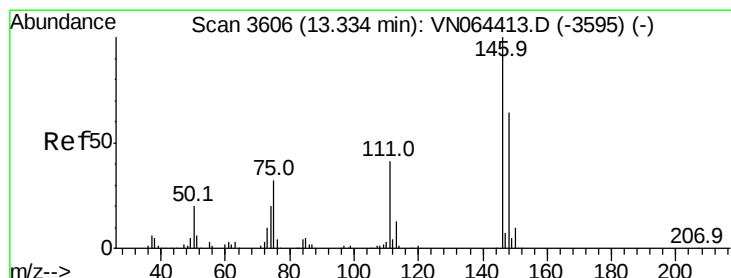
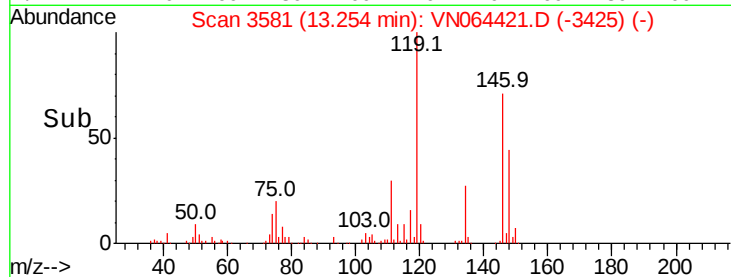
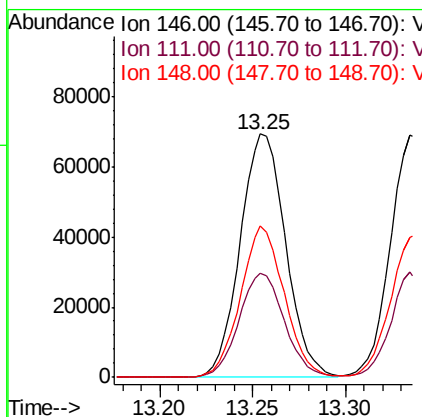
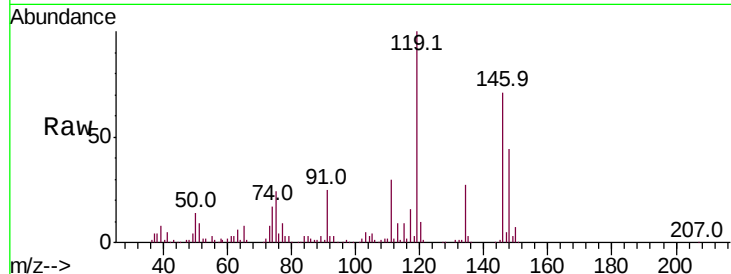




#83
 1,3-Dichlorobenzene
 Concen: 16.974 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

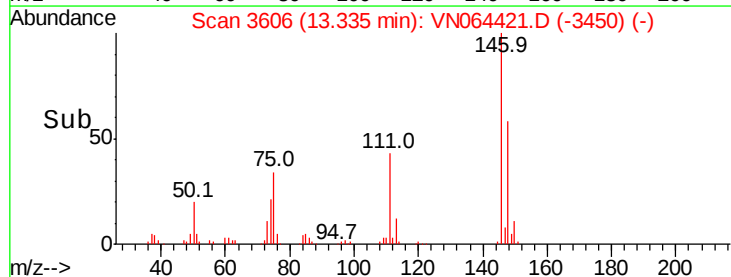
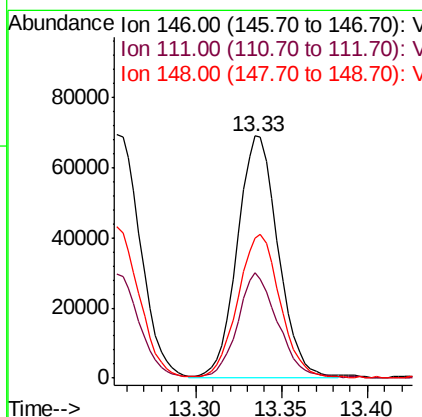
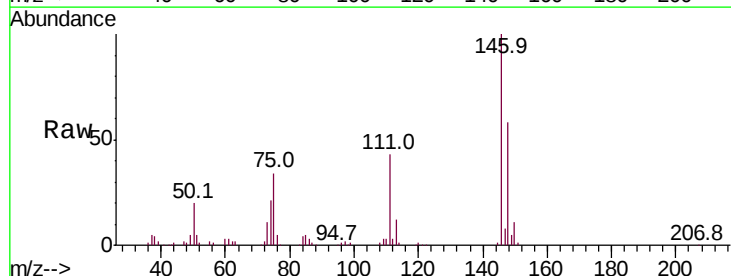
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

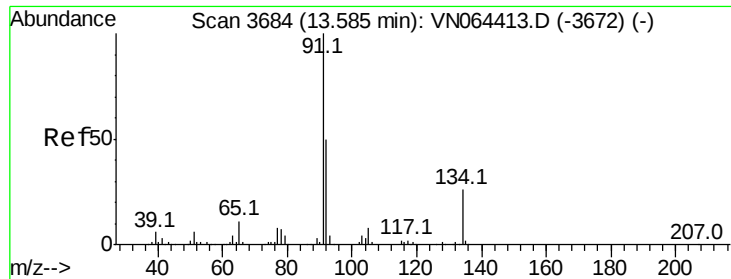
Tot Ion:146 Resp: 118689
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.5 61.6
 148 59.9 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 16.206 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion:146 Resp: 114145
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.9 59.6
 148 61.4 31.9 95.5

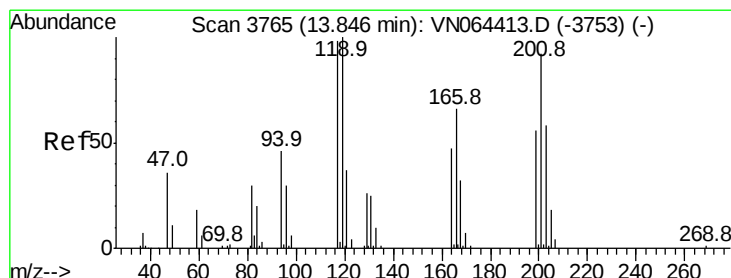
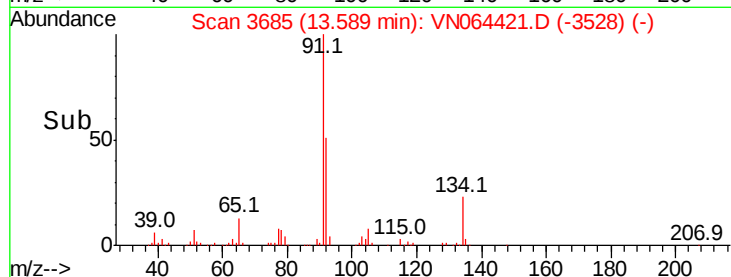
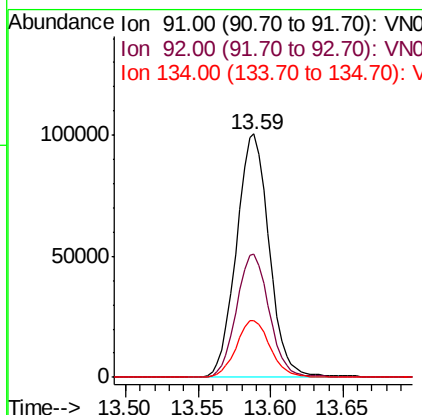
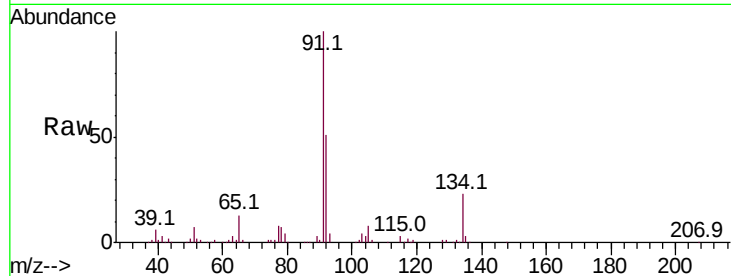




#85
n-Butylbenzene
Concen: 16.386 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

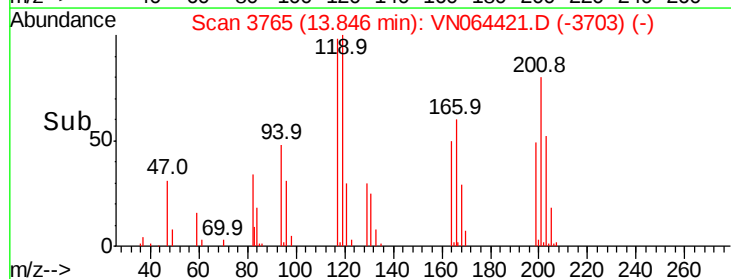
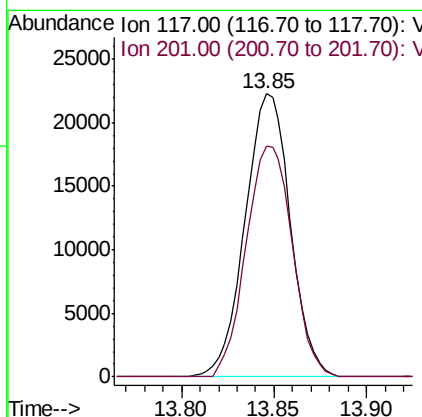
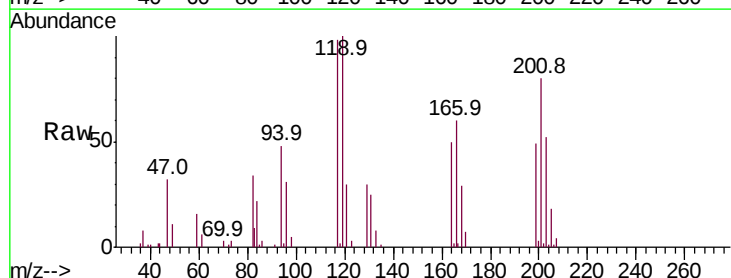
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

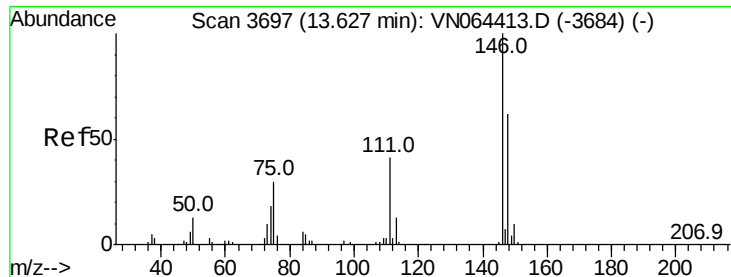
Tot Ion: 91 Resp: 158438
Ion Ratio Lower Upper
91 100
92 50.5 0.0 99.4
134 24.1 0.0 50.0



#86
Hexachloroethane
Concen: 16.733 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064421.D
Acq: 2 Nov 2020 18:01

Tgt Ion: 117 Resp: 38011
Ion Ratio Lower Upper
117 100
201 82.9 42.7 128.1





#87

1,2-Dichlorobenzene

Concen: 17.035 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

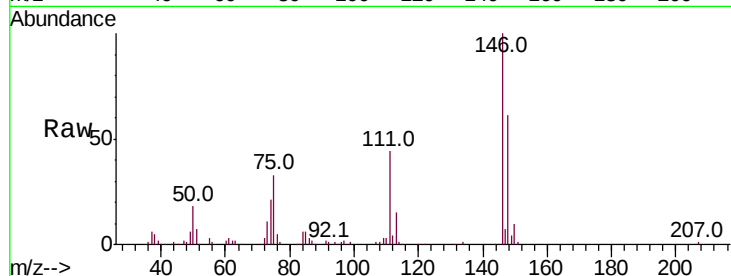
Tot Ion:146 Resp: 115004

Ion Ratio Lower Upper

146 100

111 45.7 21.3 64.0

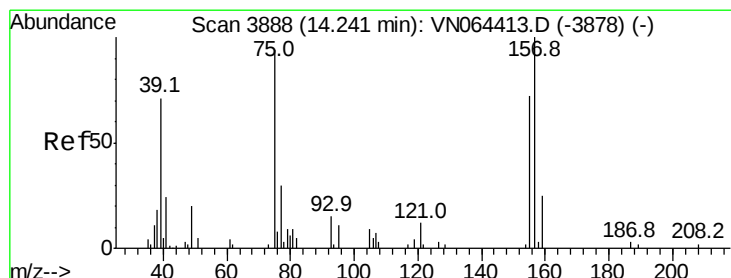
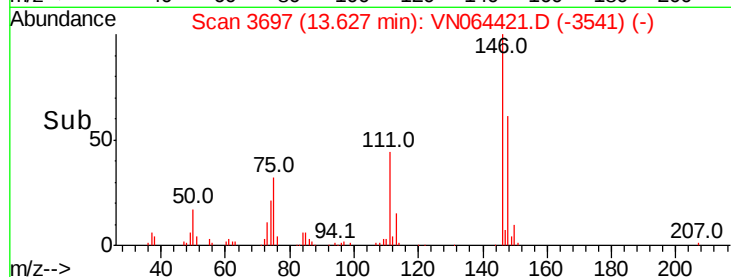
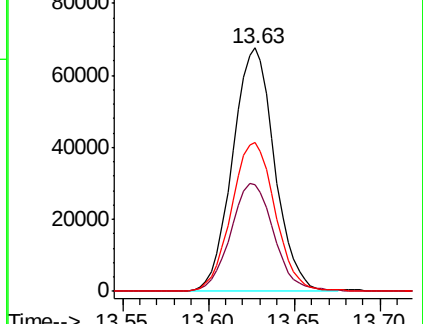
148 63.4 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.813 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

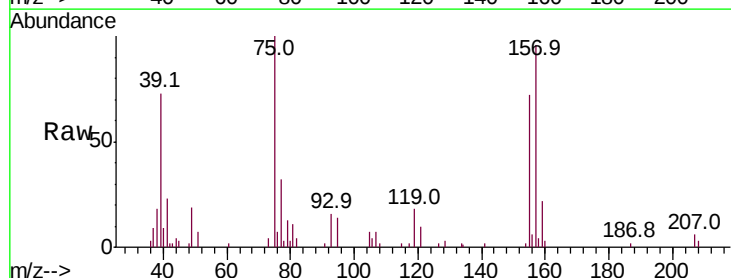
Tgt Ion: 75 Resp: 16927

Ion Ratio Lower Upper

75 100

155 74.5 66.2 99.2

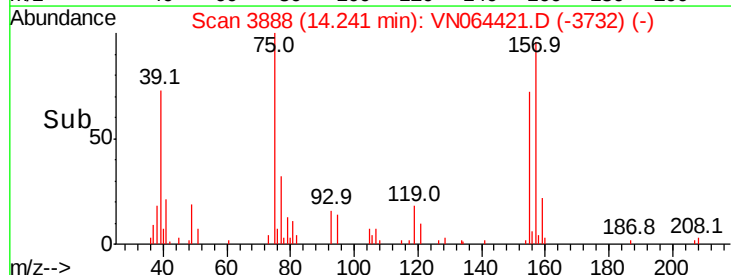
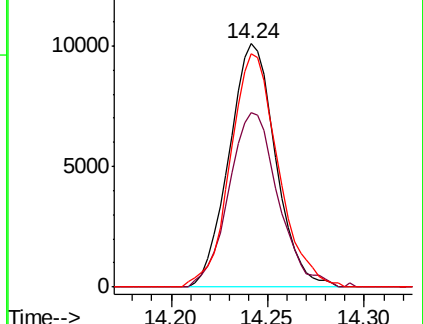
157 98.2 82.7 124.1

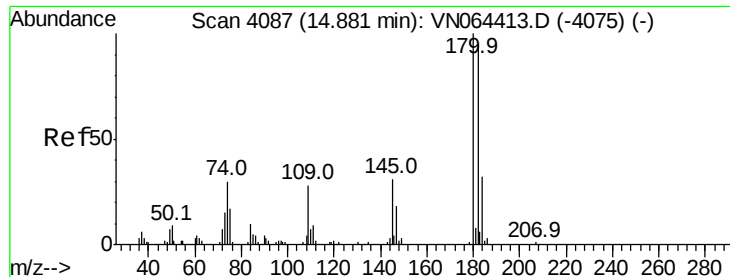


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

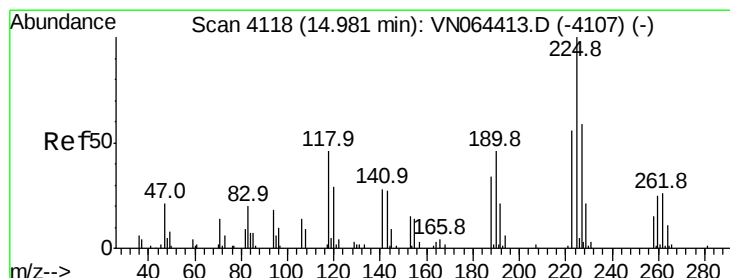
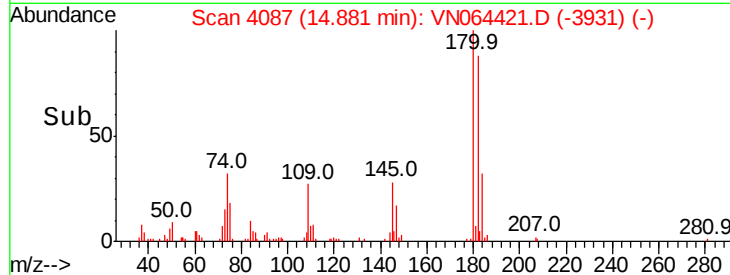
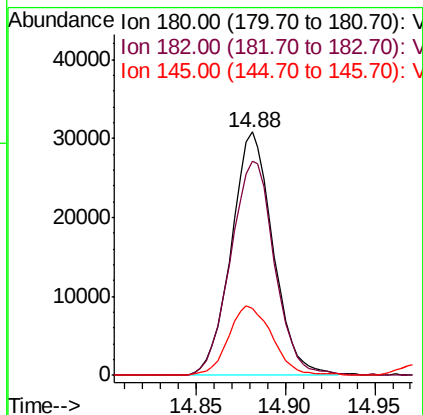
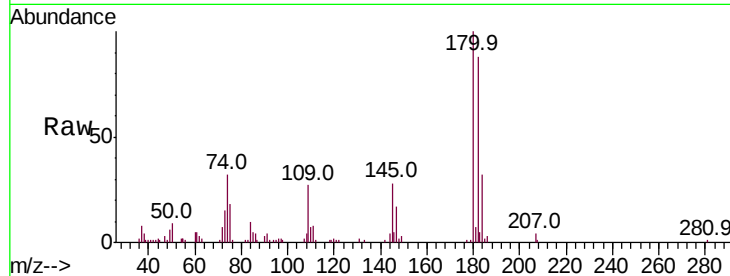




#89
 1,2,4-Trichlorobenzene
 Concen: 15.286 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

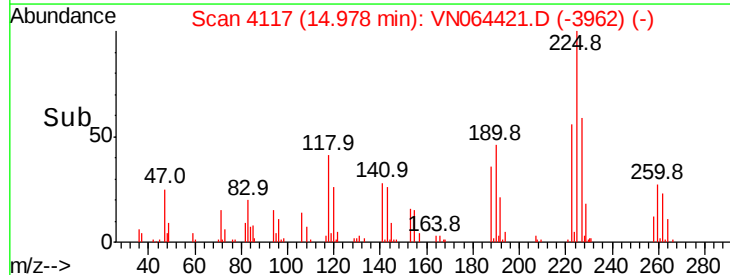
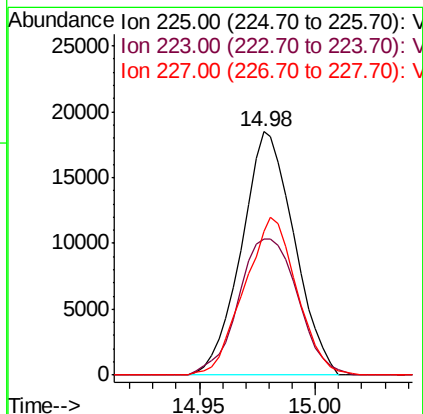
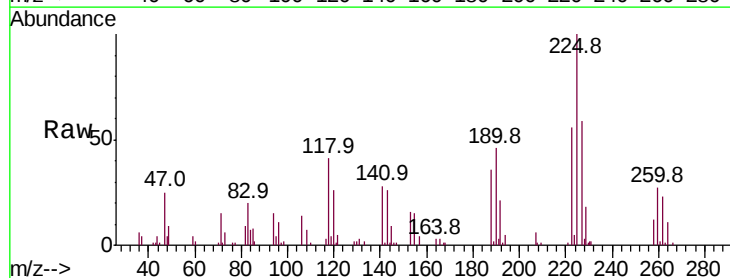
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

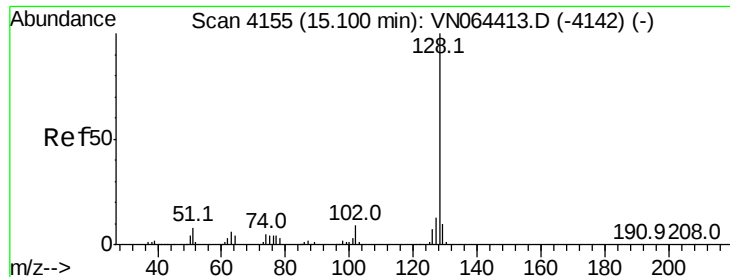
Tot Ion:180 Resp: 50462
 Ion Ratio Lower Upper
 180 100
 182 92.6 72.6 108.8
 145 29.9 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 16.618 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064421.D
 Acq: 2 Nov 2020 18:01

Tgt Ion:225 Resp: 29198
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 125.6
 227 64.4 0.0 121.6





#91

Naphthalene

Concen: 14.838 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

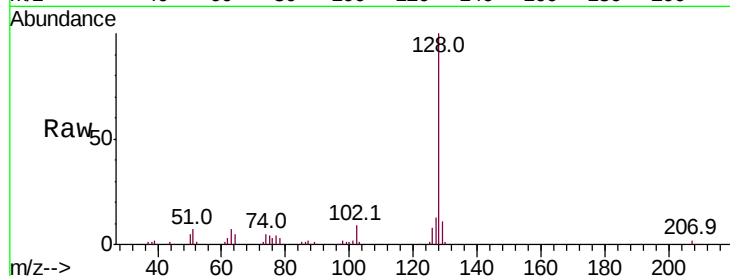
Tot Ion:128 Resp: 145522

Ion Ratio Lower Upper

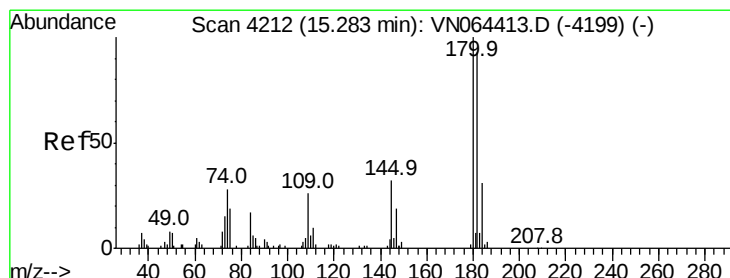
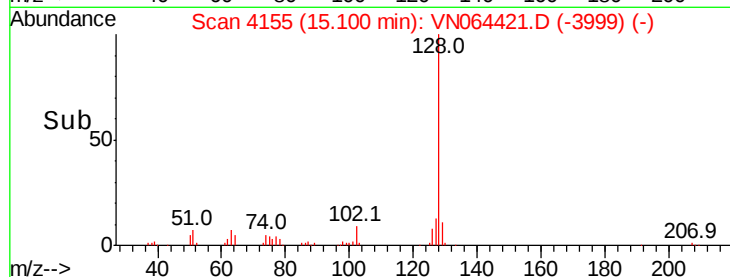
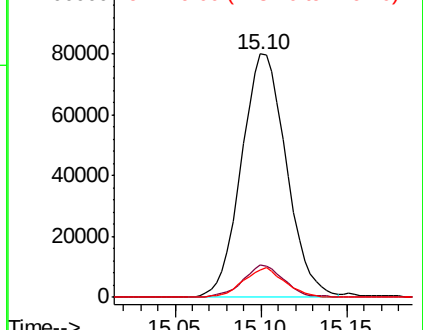
128 100

127 12.0 10.5 15.7

129 11.2 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 15.667 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064421.D

Acq: 2 Nov 2020 18:01

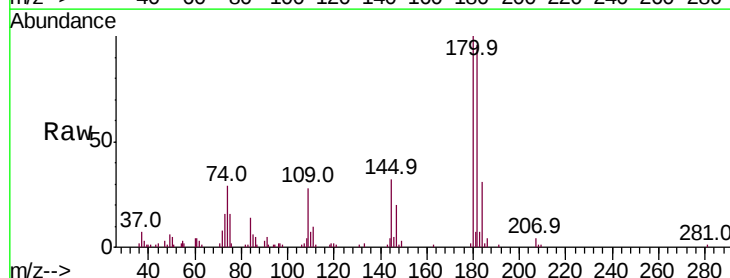
Tgt Ion:180 Resp: 51144

Ion Ratio Lower Upper

180 100

182 95.5 0.0 191.4

145 30.8 0.0 64.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

