

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064422.D
 Acq On : 2 Nov 2020 18:24
 Operator : JC/MD
 Sample : VN1102WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

Quant Time: Nov 03 03:17:06 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	54704	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	300527	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	268143	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	136219	30.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.67%
60) 4-Bromofluorobenzene	12.38	95	136139	30.04	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.13%
63) Toluene-d8	10.06	98	371335	31.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	63418	18.025 ug/l	97
3) Chloromethane	2.04	50	68418	18.824 ug/l	94
4) Vinyl Chloride	2.16	62	69792	18.611 ug/l	97
5) Bromomethane	2.53	94	45288	18.504 ug/l	92
6) Chloroethane	2.68	64	40893	18.687 ug/l	96
7) Trichlorofluoromethane	2.99	101	117168	18.861 ug/l	94
8) Diethyl Ether	3.38	74	33644	17.652 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56216	18.182 ug/l	90
10) 1,1-Dichloroethene	3.70	96	53335	18.023 ug/l	89
11) Methyl Iodide	3.91	142	67193	16.916 ug/l	97
12) Methyl Acetate	4.28	43	57019	18.412 ug/l	93
13) Acrolein	3.57	56	29455	98.537 ug/l	98
14) Acrylonitrile	4.93	53	125007	89.718 ug/l	95
15) Acetone	3.78	58	36259	75.104 ug/l	91
16) Carbon Disulfide	4.01	76	150735	17.947 ug/l	98
17) Allyl chloride	4.28	41	90816	17.496 ug/l	97
18) Methylene Chloride	4.51	84	61881	18.071 ug/l	97
19) trans-1,2-Dichloroethene	4.98	96	26430	8.114 ug/l	95
20) Diisopropyl ether	5.90	45	202548	18.235 ug/l	98
21) 1,1-Dichloroethane	5.79	63	114569	18.288 ug/l	95
22) cis-1,2-Dichloroethene	6.78	96	66859	17.322 ug/l	94
23) tert-Butyl Alcohol	4.73	59	46619	88.106 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	190126	17.953 ug/l	# 61
25) Chloroform	7.33	83	122353	18.233 ug/l	97
26) Cyclohexane	7.61	56	90442	18.228 ug/l	# 98
29) 1,1-Dichloropropene	7.75	75	89998	18.614 ug/l	85
30) 2-Butanone	6.78	43	181554	82.710 ug/l	98
31) 2,2-Dichloropropane	6.78	77	109906	18.517 ug/l	# 81
32) 1,1,1-Trichloroethane	7.53	97	116115	18.320 ug/l	99
33) Carbon Tetrachloride	7.73	117	104731	18.342 ug/l	96
34) Benzene	8.00	78	246342	17.982 ug/l	97
35) Methacrylonitrile	7.12	41	44847	20.666 ug/l	91
36) 1,2-Dichloroethane	8.09	62	107177	18.918 ug/l	99
37) Trichloroethene	8.80	130	67990	17.678 ug/l	100
38) Methylcyclohexane	9.05	83	77543	17.682 ug/l	96
39) 1,2-Dichloropropane	9.08	63	64187	18.262 ug/l	99
40) Dibromomethane	9.17	93	47118	18.497 ug/l	95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	96432	17.922	ug/l	97
42) Vinyl Acetate	5.84	43	849659	91.434	ug/l	100
43) Ethyl Acetate	6.88	43	80328	18.898	ug/l #	89
45) 1,4-Dioxane	9.16	88	19669	370.706	ug/l	98
46) Methyl methacrylate	9.16	41	71049	19.033	ug/l	94
47) n-amyl Acetate	12.04	43	114165	17.752	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	105269	17.728	ug/l	99
49) cis-1,3-Dichloropropene	9.80	75	109823	17.874	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	63090	18.446	ug/l	90
51) Ethyl methacrylate	10.40	69	87212	17.750	ug/l	95
52) 1,3-Dichloropropane	10.68	76	107002	18.552	ug/l	99
53) Dibromochloromethane	10.87	129	73752	17.555	ug/l	96
54) 1,2-Dibromoethane	10.97	107	65637	17.929	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	229741	86.999	ug/l	100
56) Bromoform	12.10	173	50767	17.132	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	403033	94.960	ug/l	99
59) 2-Hexanone	10.72	43	283446	89.728	ug/l	98
61) Tetrachloroethene	10.60	164	69422	19.099	ug/l	98
62) Toluene	10.12	91	279391	18.602	ug/l	98
64) Chlorobenzene	11.41	112	174042	18.510	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	67932	18.596	ug/l	99
66) Ethyl Benzene	11.48	91	304596	18.379	ug/l	98
67) m/p-Xylenes	11.59	106	230504	36.977	ug/l	97
68) o-Xylene	11.92	106	111376	18.540	ug/l	97
69) Styrene	11.94	104	180347	18.005	ug/l	98
70) Isopropylbenzene	12.22	105	287867	18.523	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	81081	18.761	ug/l	96
72) 1,2,3-Trichloropropane	12.52	75	118985	26.369	ug/l	61
73) Bromobenzene	12.50	156	73911	18.329	ug/l	97
74) n-propylbenzene	12.56	91	307216	18.028	ug/l	99
75) 2-Chlorotoluene	12.65	91	196491	18.202	ug/l	95
76) 1,3,5-Trimethylbenzene	12.70	105	236517	18.475	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	27491	17.282	ug/l	98
78) 4-Chlorotoluene	12.75	91	202548	18.161	ug/l	96
79) tert-butylbenzene	12.96	119	189348	18.492	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	232798	17.947	ug/l	99
81) sec-Butylbenzene	13.14	105	231614	17.933	ug/l	98
82) p-Isopropyltoluene	13.26	119	212189	17.879	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	120490	17.588	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	119245	17.281	ug/l	96
85) n-Butylbenzene	13.59	91	163095	17.217	ug/l	98
86) Hexachloroethane	13.85	117	40440	18.171	ug/l	94
87) 1,2-Dichlorobenzene	13.62	146	123993	18.747	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18039	19.377	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	52731	16.304	ug/l	95
90) Hexachlorobutadiene	14.98	225	30775	17.878	ug/l	98
91) Naphthalene	15.10	128	157402	16.382	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	51612	16.138	ug/l	99

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Response via : Initial Calibration

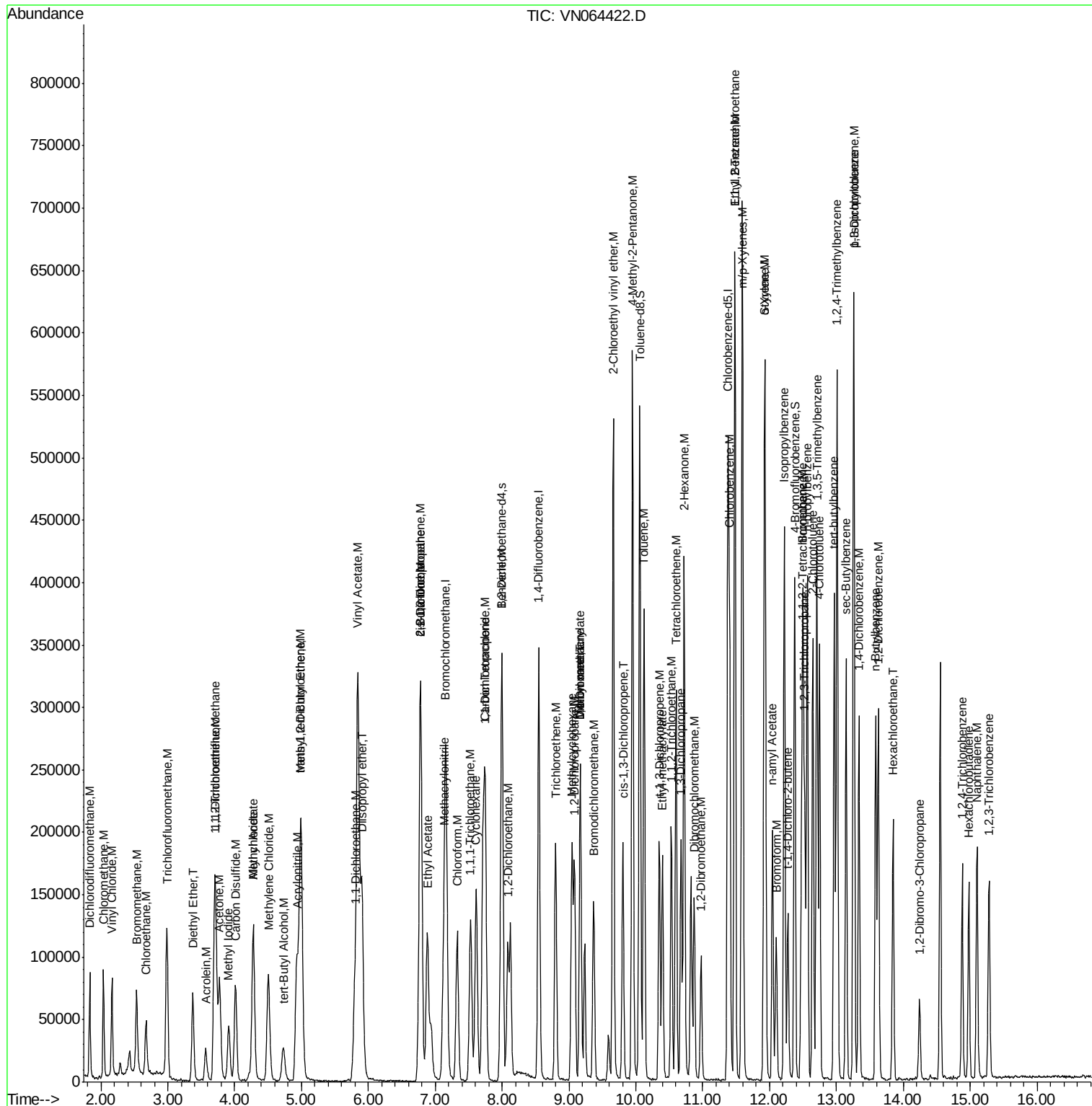
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

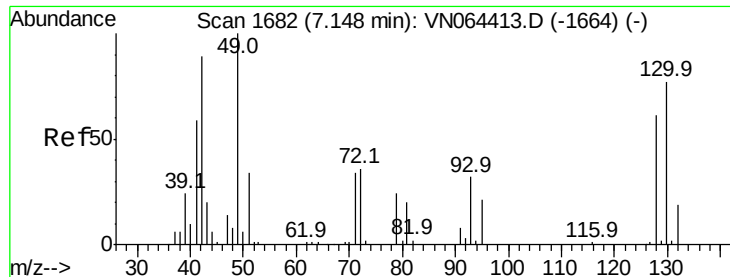
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Misc : 5.00mL/MSVOA N/WATER
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Client Sample Id :
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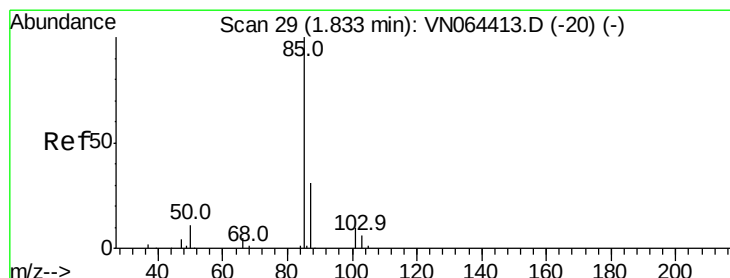
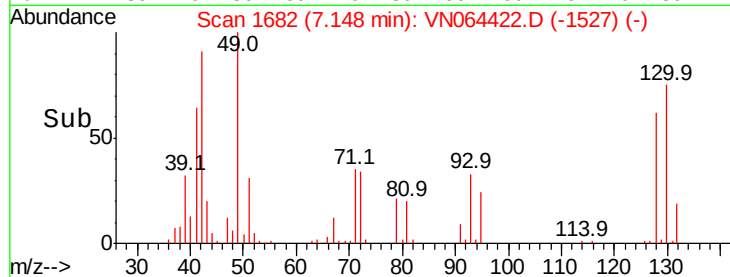
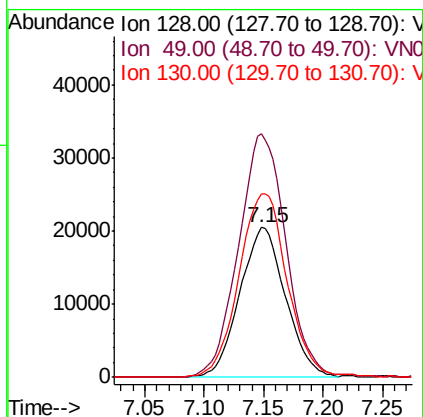
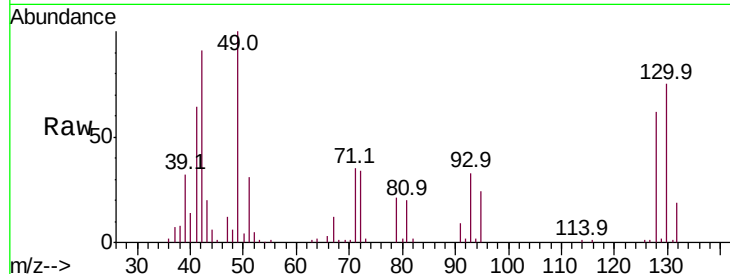




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

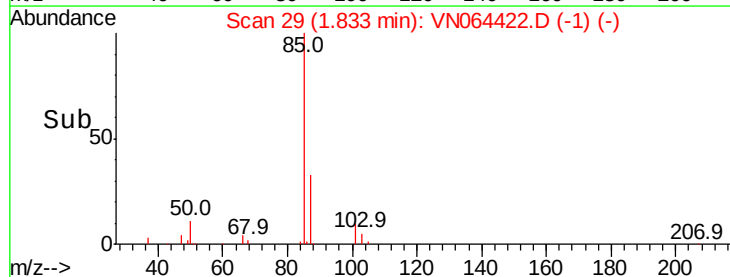
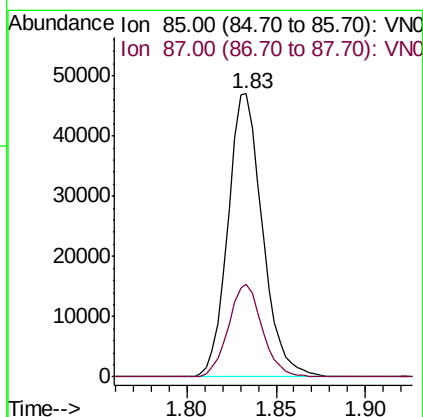
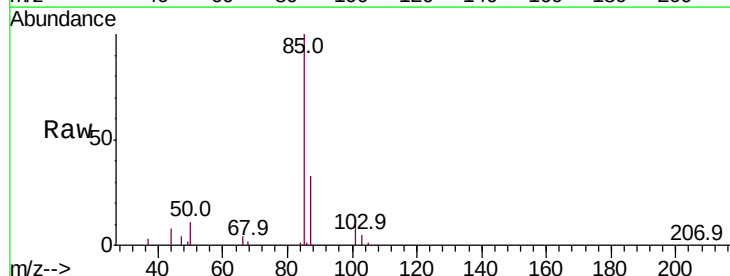
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

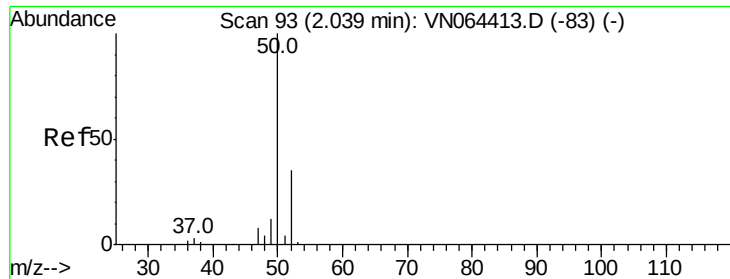
Tot Ion:128 Resp: 54704
 Ion Ratio Lower Upper
 128 100
 49 167.1 0.0 423.5
 130 128.7 0.0 325.0



#2
 Dichlorodifluoromethane
 Concen: 18.025 ug/l
 RT: 1.83 min Scan# 29
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 85 Resp: 63418
 Ion Ratio Lower Upper
 85 100
 87 33.0 15.7 47.1





#3

Chloromethane

Concen: 18.824 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

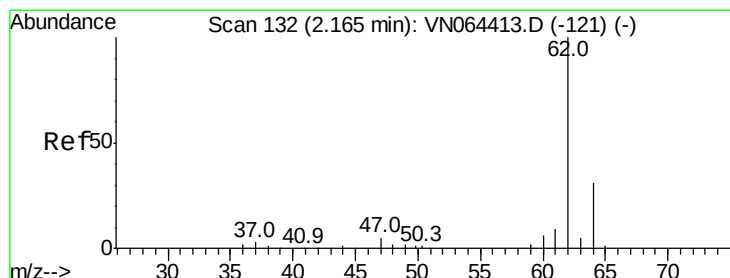
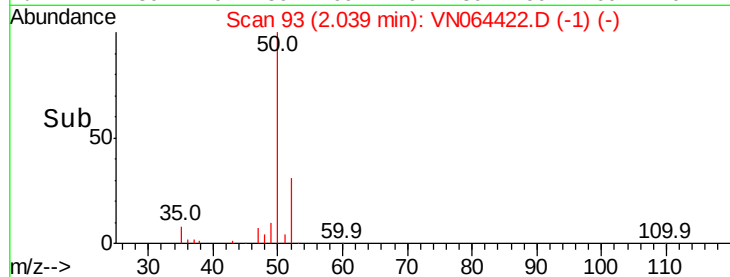
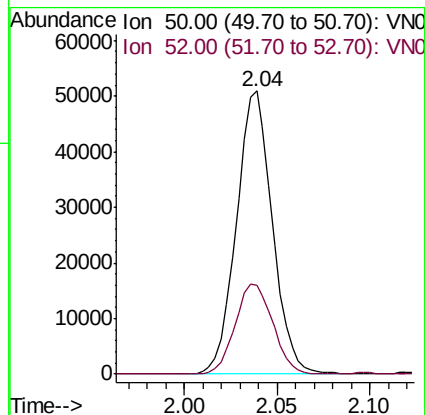
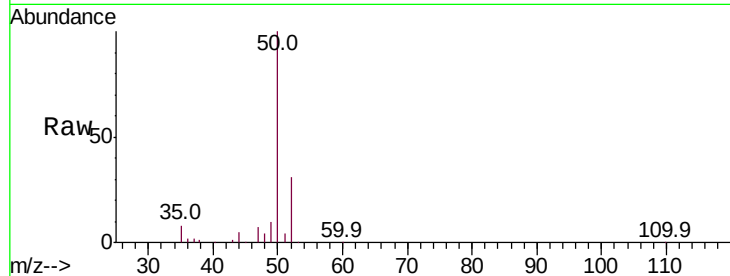
VN1102WBSD01

Tot Ion: 50 Resp: 68418

Ion Ratio Lower Upper

50 100

52 31.2 27.7 41.5



#4

Vinyl Chloride

Concen: 18.611 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064422.D

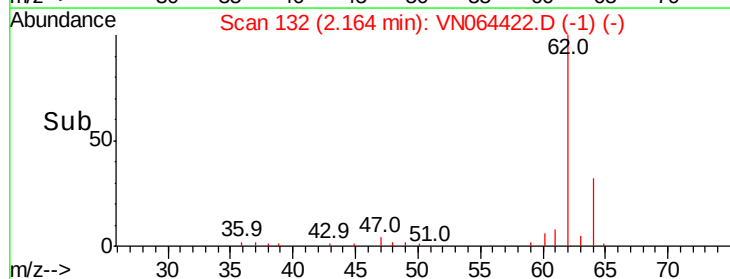
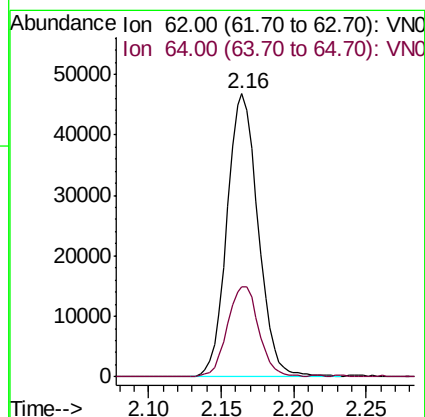
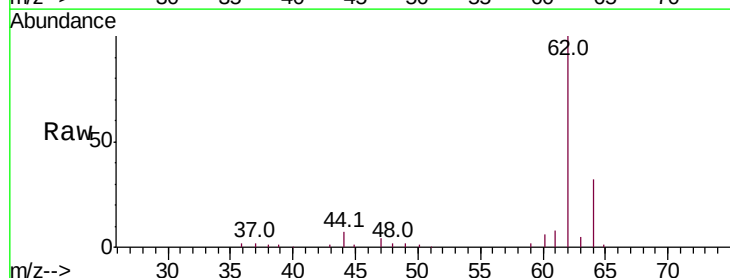
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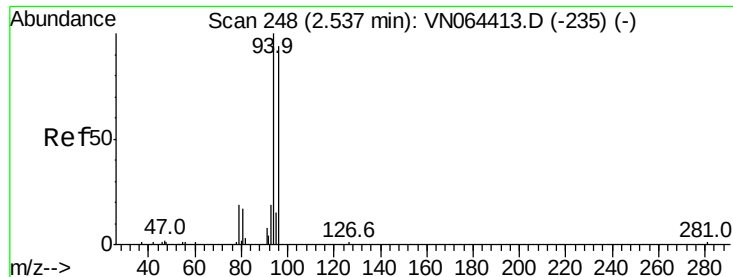
Tgt Ion: 62 Resp: 69792

Ion Ratio Lower Upper

62 100

64 32.0 24.5 36.7





#5

Bromomethane

Concen: 18.504 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

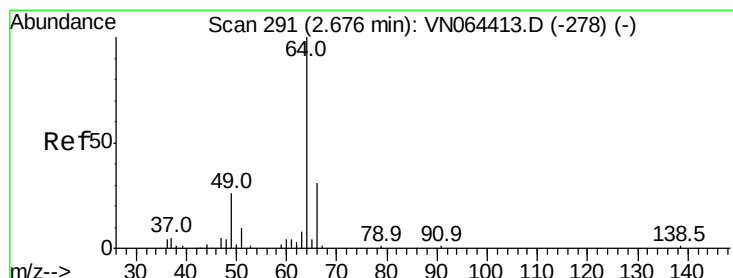
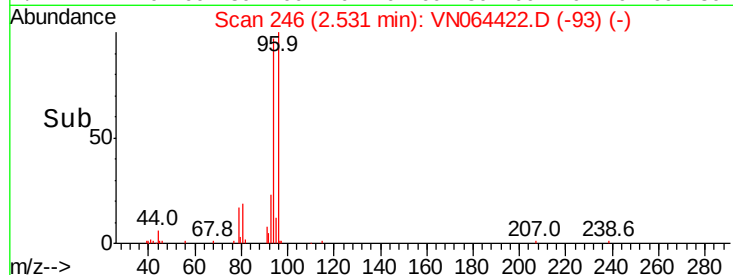
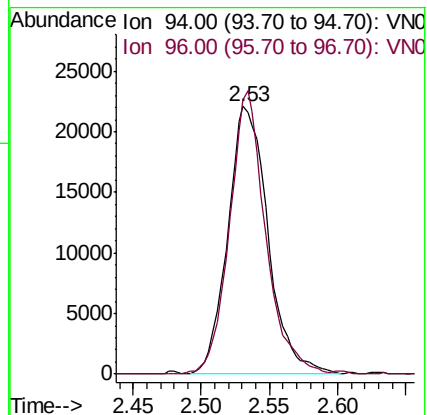
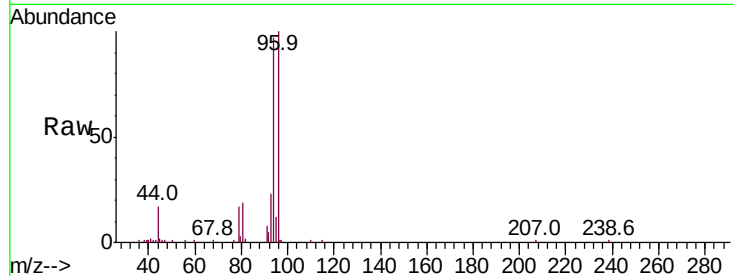
VN1102WBSD01

Tot Ion: 94 Resp: 45288

Ion Ratio Lower Upper

94 100

96 101.6 75.2 112.8



#6

Chloroethane

Concen: 18.687 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064422.D

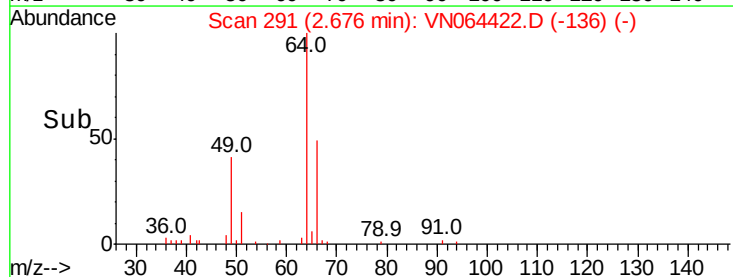
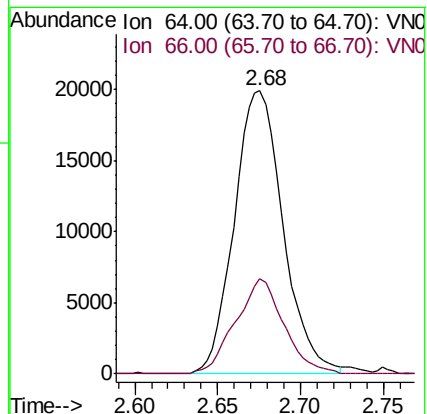
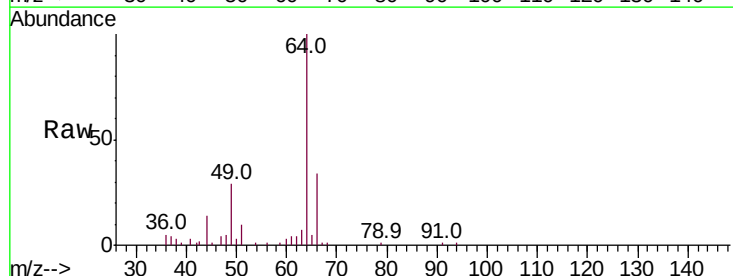
Acq: 2 Nov 2020 18:24

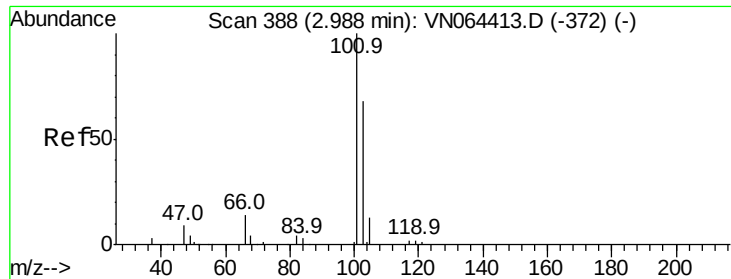
Tgt Ion: 64 Resp: 40893

Ion Ratio Lower Upper

64 100

66 33.6 25.0 37.4



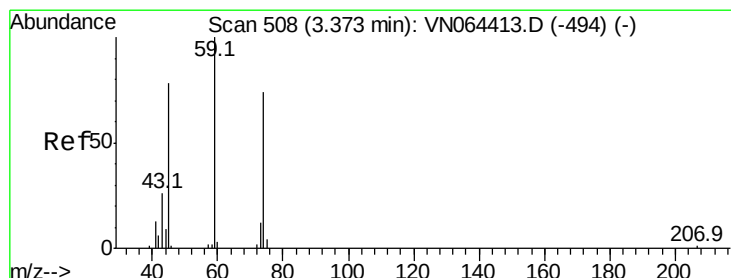
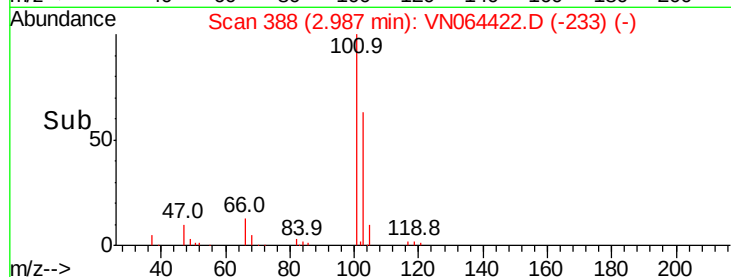
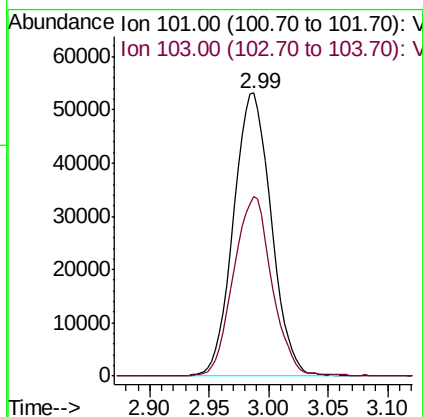
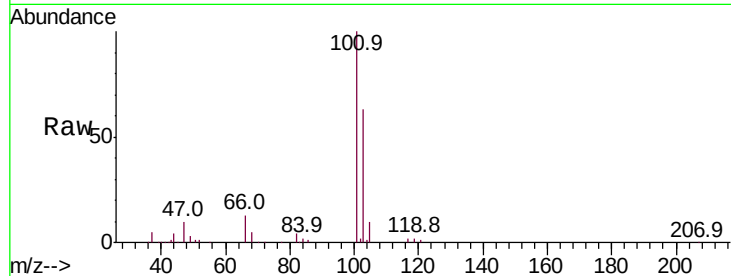


#7

Trichlorofluoromethane
 Concen: 18.861 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064422.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

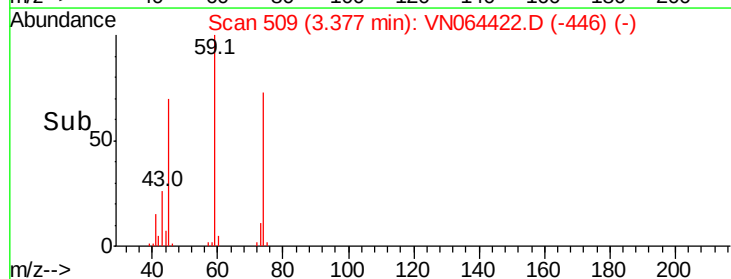
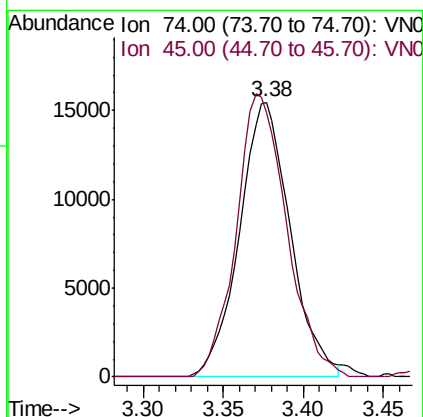
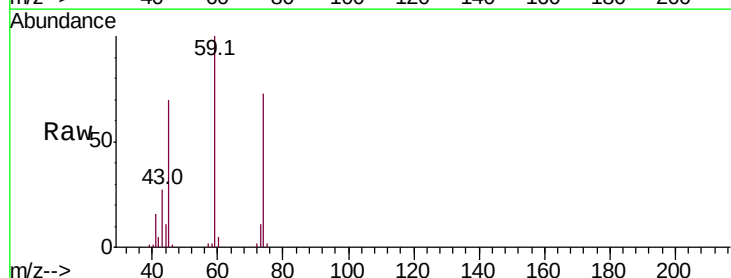
Tot Ion:101 Resp: 117168
 Ion Ratio Lower Upper
 101 100
 103 63.3 54.6 81.8

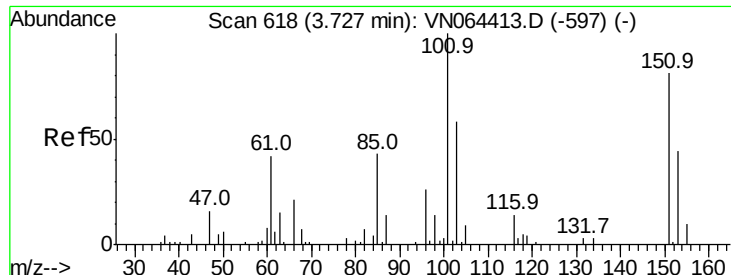


#8

Diethyl Ether
 Concen: 17.652 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 74 Resp: 33644
 Ion Ratio Lower Upper
 74 100
 45 102.3 21.2 190.6

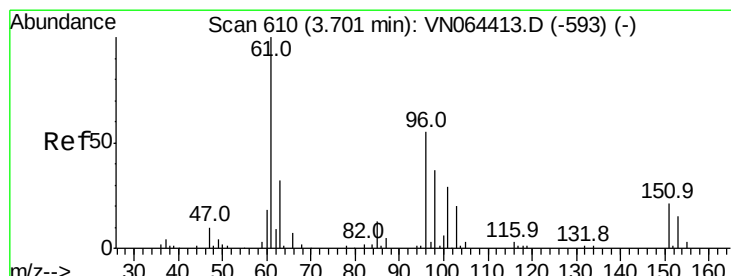
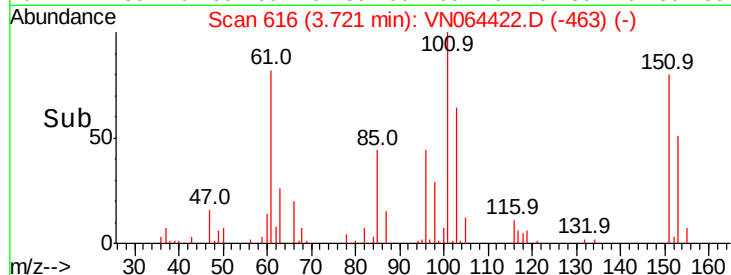
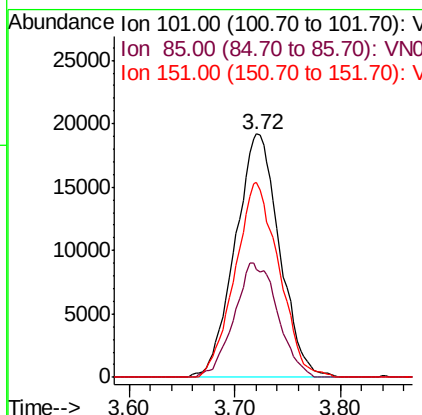
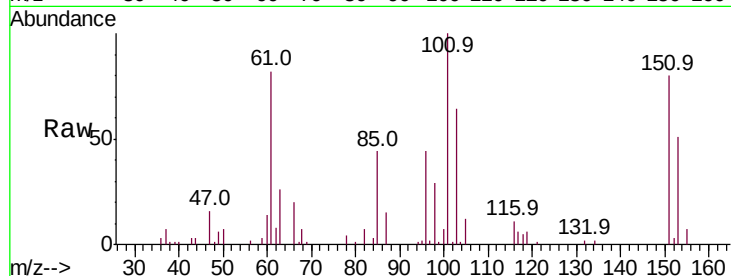




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.182 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VN064422.D
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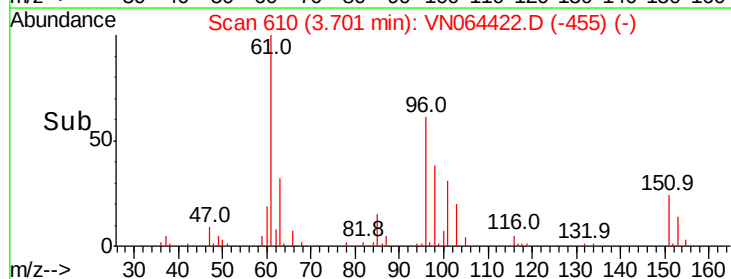
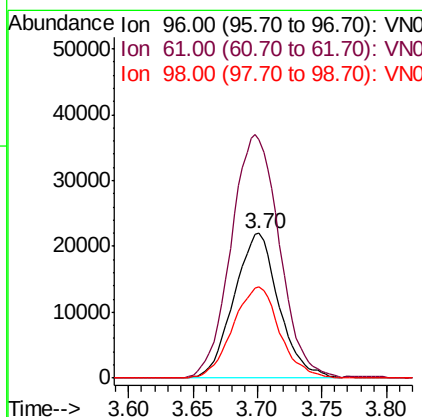
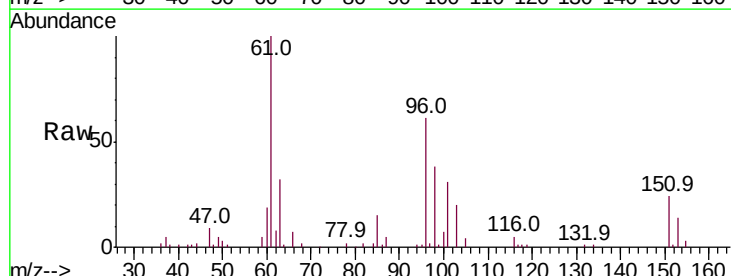
Instrument :
 MSVOA_N
 ClientSampled :
 VN1102WBSD01

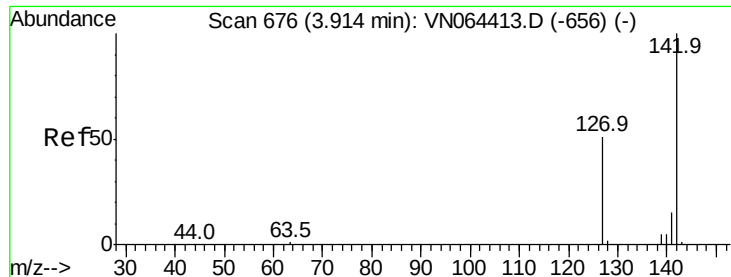
Tot Ion:101 Resp: 56216
 Ion Ratio Lower Upper
 101 100
 85 27.6 0.0 89.6
 151 79.2 0.0 158.8



#10
 1,1-Dichloroethene
 Concen: 18.023 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 96 Resp: 53335
 Ion Ratio Lower Upper
 96 100
 61 163.9 145.6 218.4
 98 63.2 53.9 80.9

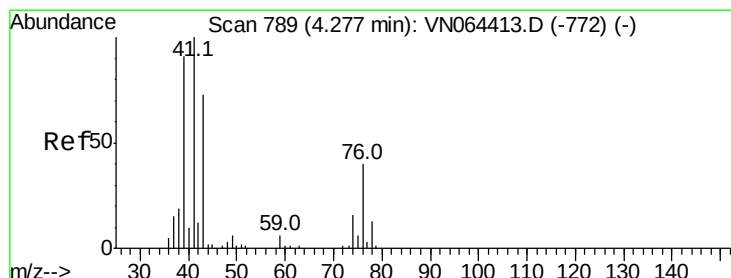
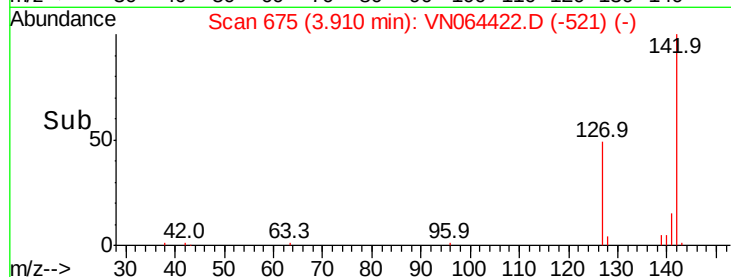
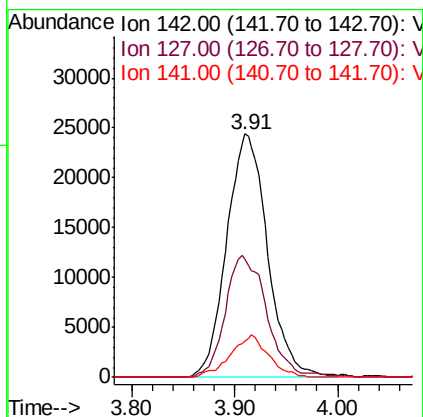
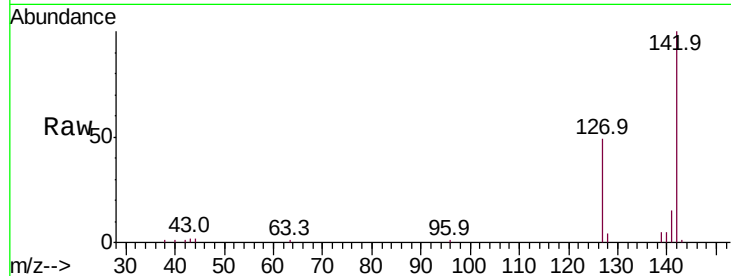




#11
Methyl Iodide
Concen: 16.916 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

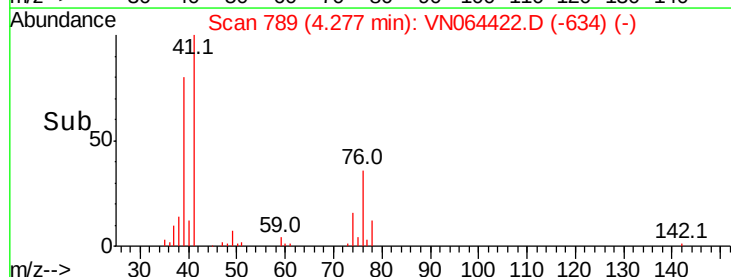
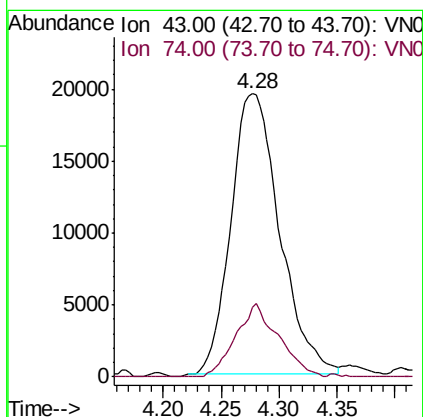
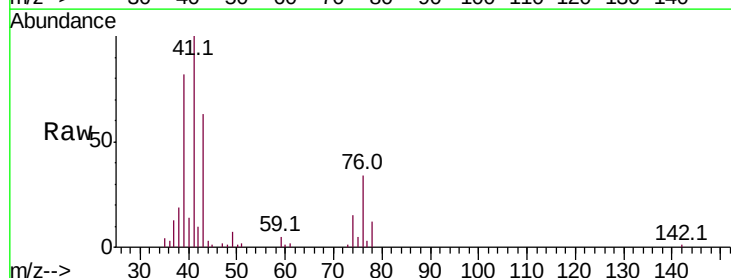
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

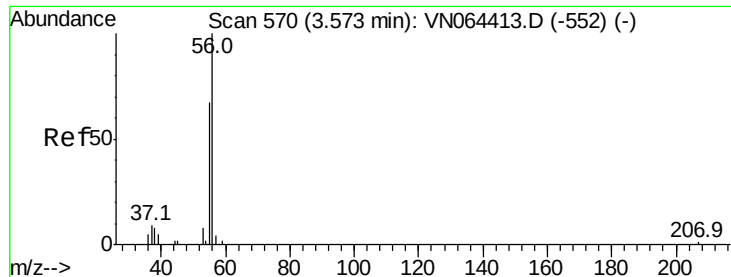
Tot Ion:142 Resp: 67193
Ion Ratio Lower Upper
142 100
127 48.6 25.4 76.2
141 14.9 7.8 23.3



#12
Methyl Acetate
Concen: 18.412 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion: 43 Resp: 57019
Ion Ratio Lower Upper
43 100
74 24.6 17.1 25.7





#13

Acrolein

Concen: 98.537 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampled :

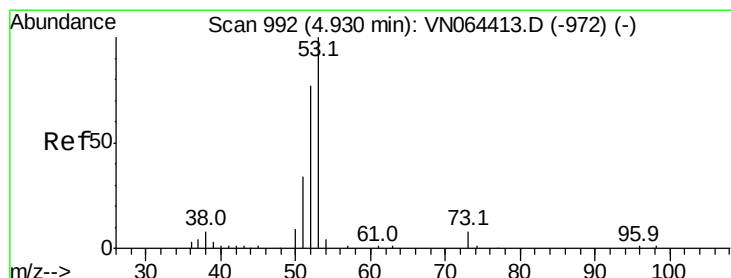
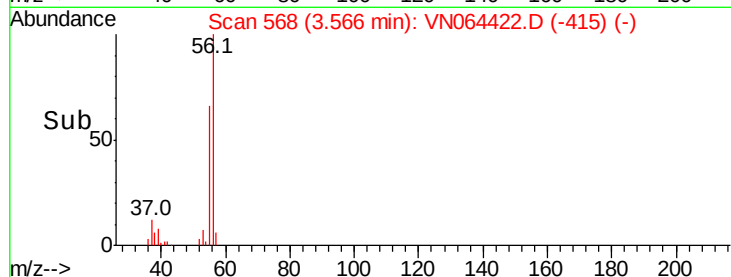
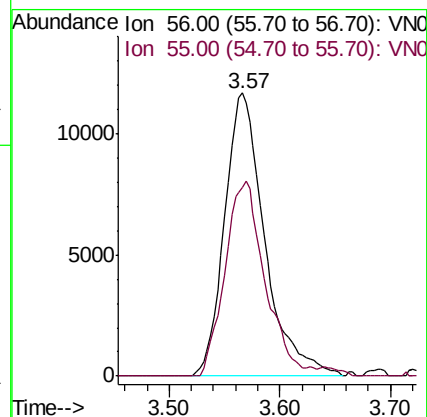
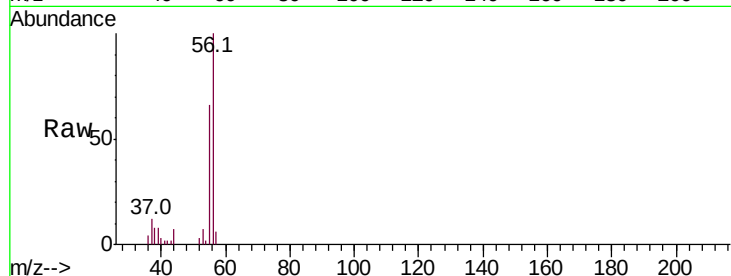
VN1102WBSD01

Tot Ion: 56 Resp: 29455

Ion Ratio Lower Upper

56 100

55 68.2 53.1 79.7



#14

Acrylonitrile

Concen: 89.718 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

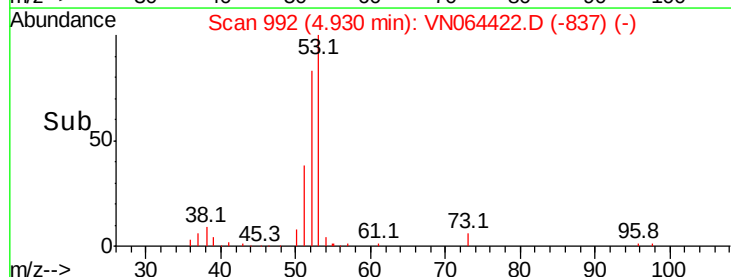
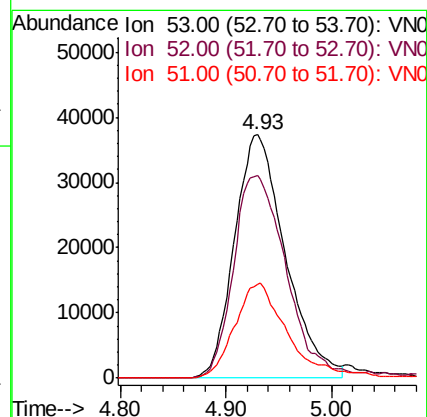
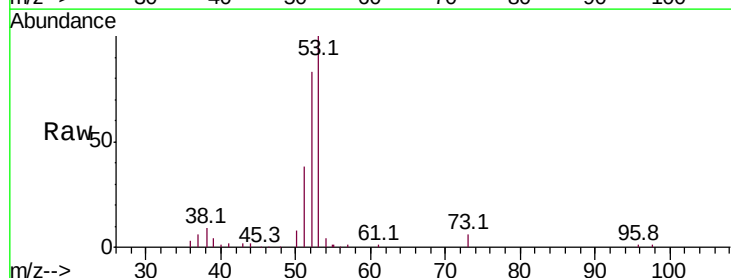
Tgt Ion: 53 Resp: 125007

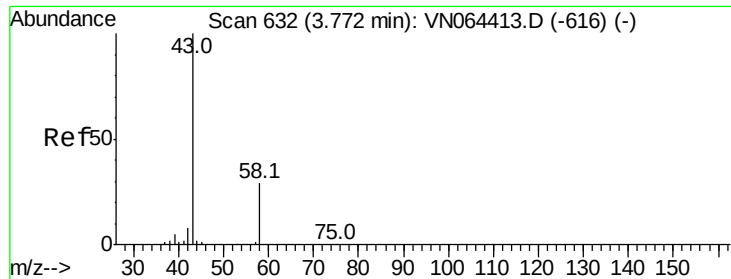
Ion Ratio Lower Upper

53 100

52 85.0 41.1 123.3

51 40.1 17.8 53.3





#15

Acetone

Concen: 75.104 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

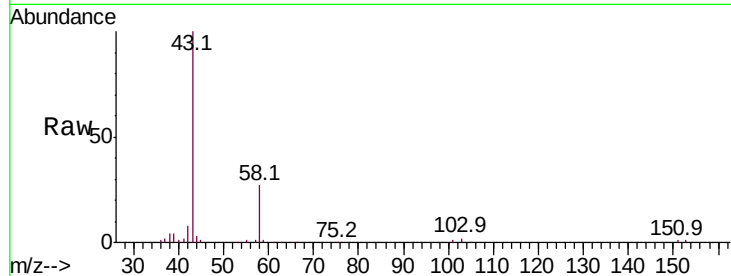
VN1102WBSD01

Tot Ion: 58 Resp: 36259

Ion Ratio Lower Upper

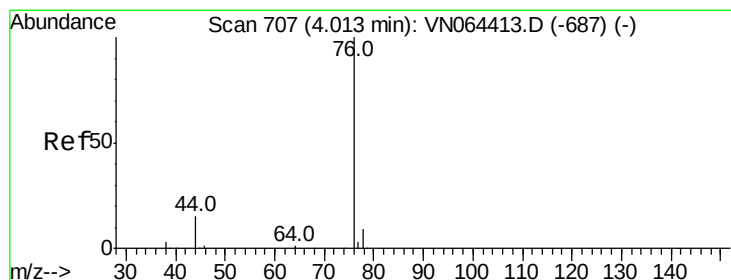
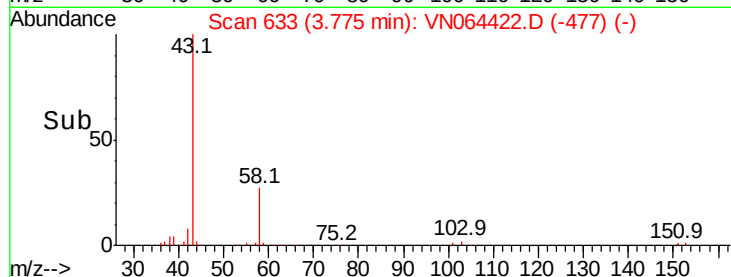
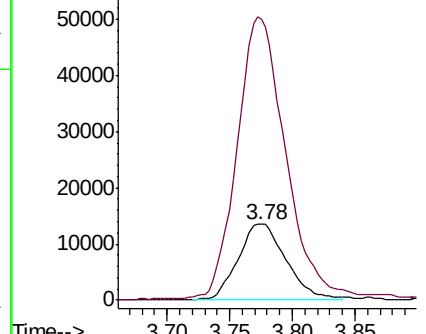
58 100

43 364.1 276.1 414.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.947 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064422.D

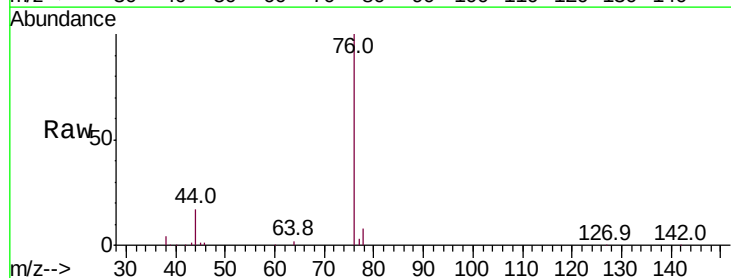
Acq: 2 Nov 2020 18:24

Tgt Ion: 76 Resp: 150735

Ion Ratio Lower Upper

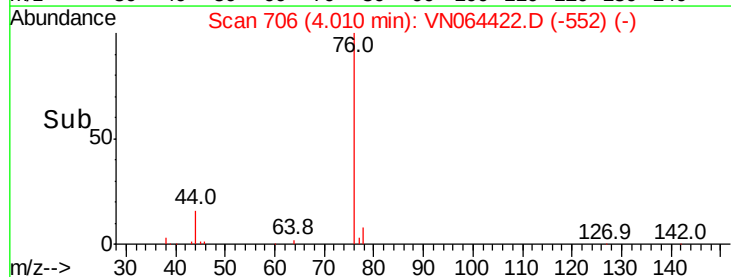
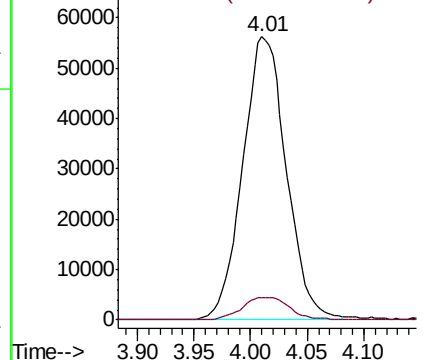
76 100

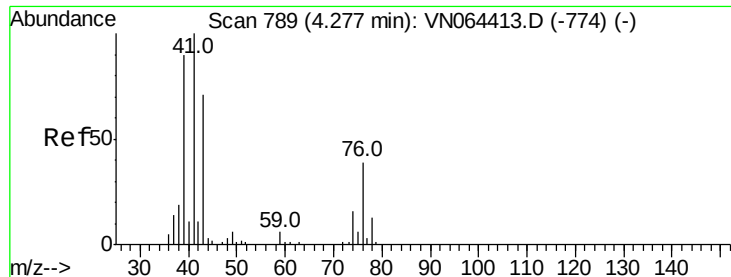
78 8.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 17.496 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

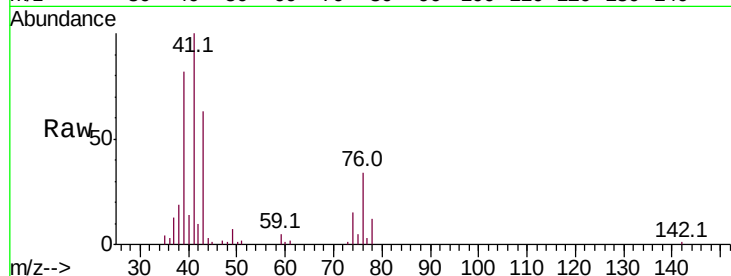
Tot Ion: 41 Resp: 90816

Ion Ratio Lower Upper

41 100

39 82.3 42.3 126.8

76 34.6 18.6 55.8

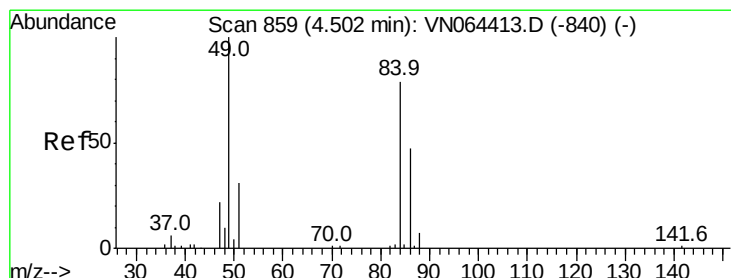
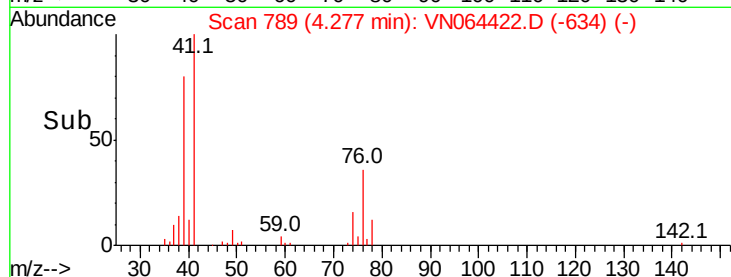
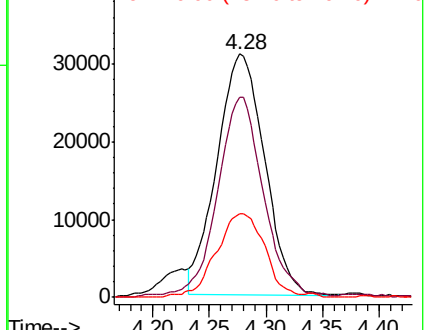


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 18.071 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Tgt Ion: 84 Resp: 61881

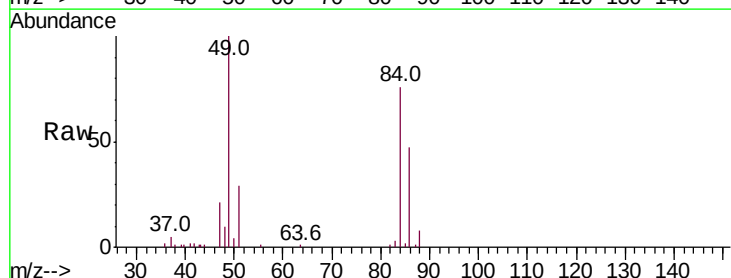
Ion Ratio Lower Upper

84 100

49 131.4 101.0 151.4

51 39.0 31.2 46.8

86 61.3 47.4 71.0



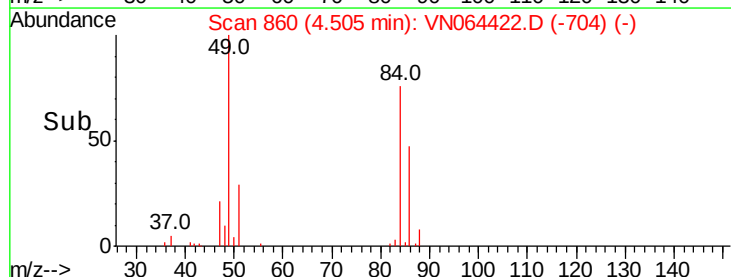
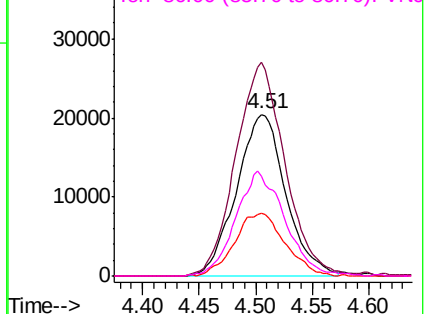
Abundance

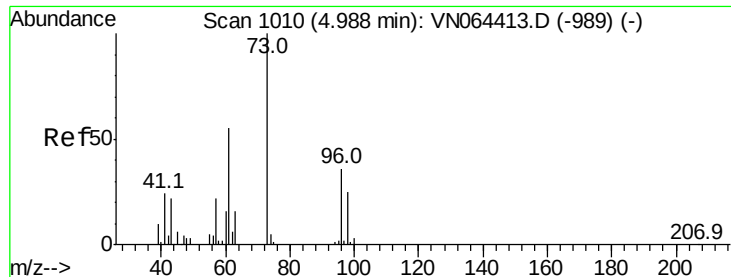
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

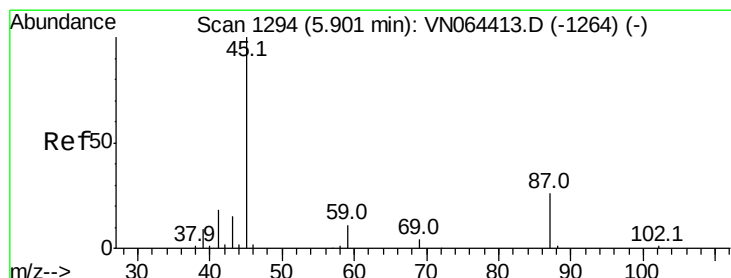
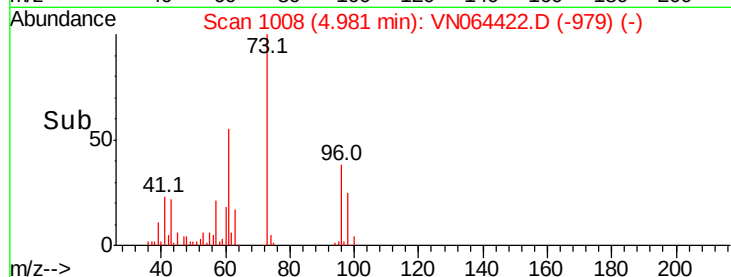
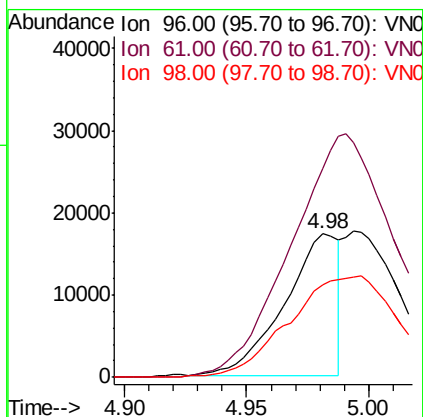
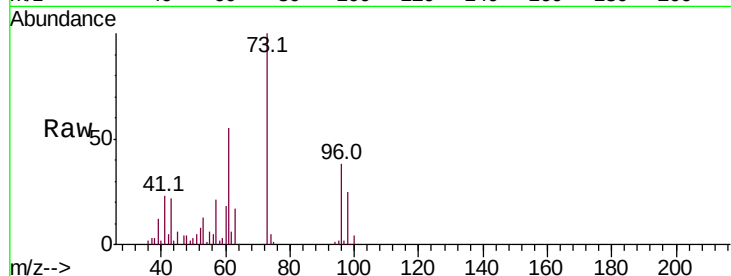




#19
trans-1,2-Dichloroethene
Concen: 8.114 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

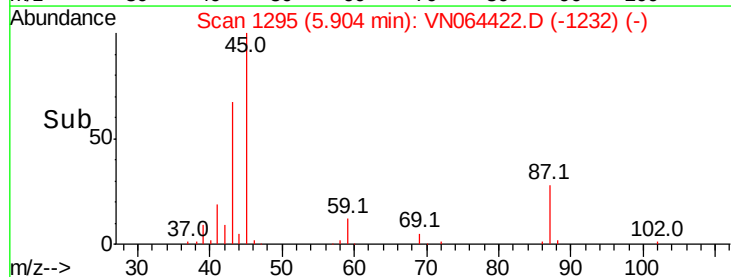
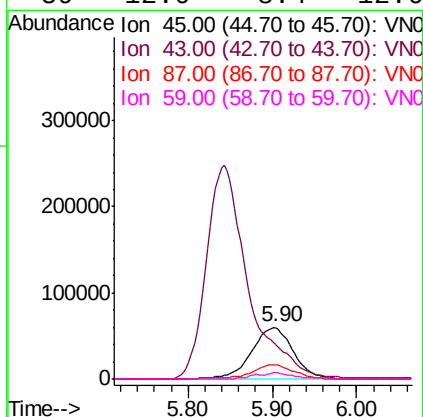
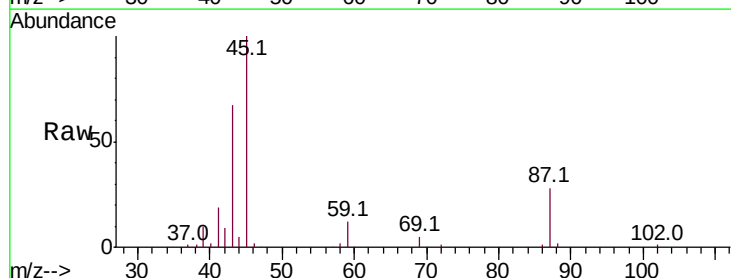
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

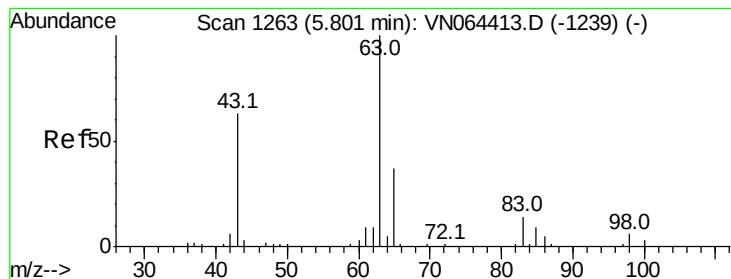
Tot Ion: 96 Resp: 26430
Ion Ratio Lower Upper
96 100
61 146.5 121.4 182.0
98 64.6 55.5 83.3



#20
Diisopropyl ether
Concen: 18.235 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion: 45 Resp: 202548
Ion Ratio Lower Upper
45 100
43 63.2 49.6 74.4
87 27.4 21.0 31.6
59 12.0 8.4 12.6





#21

1,1-Dichloroethane

Concen: 18.288 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

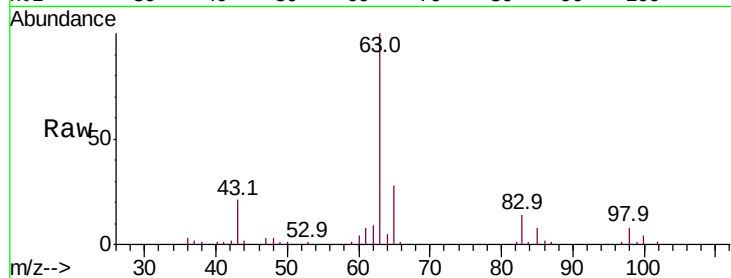
Tot Ion: 63 Resp: 114569

Ion Ratio Lower Upper

63 100

98 7.7 2.9 8.8

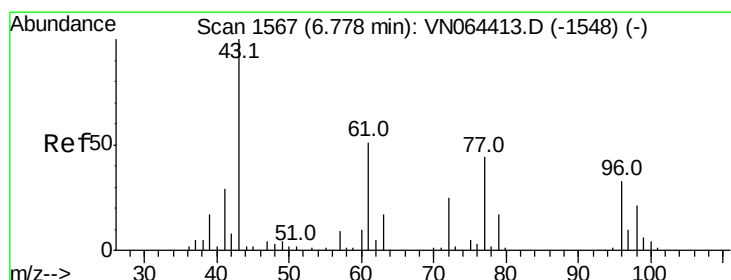
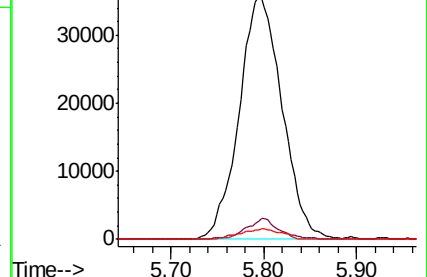
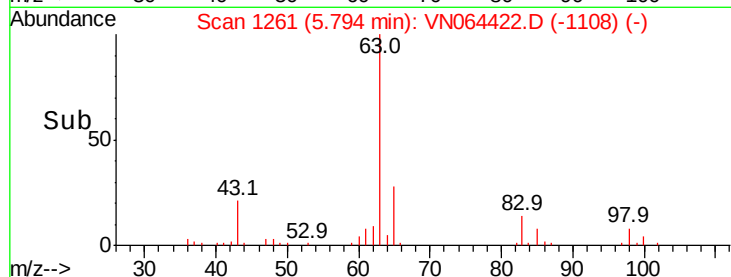
100 4.0 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VN064413.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064413.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064413.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.322 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

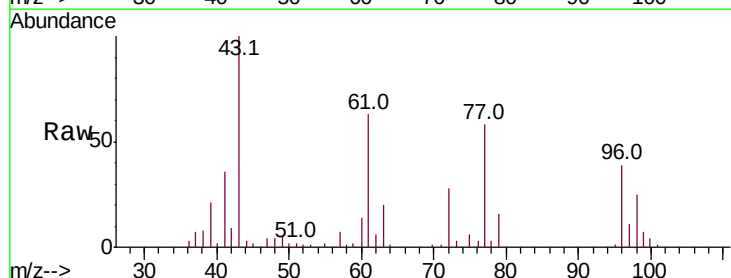
Tgt Ion: 96 Resp: 66859

Ion Ratio Lower Upper

96 100

61 160.7 122.3 183.5

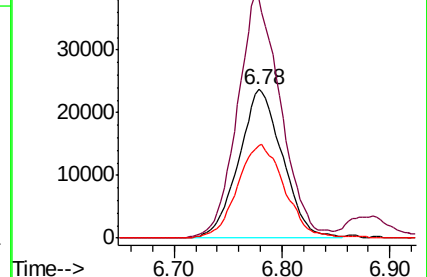
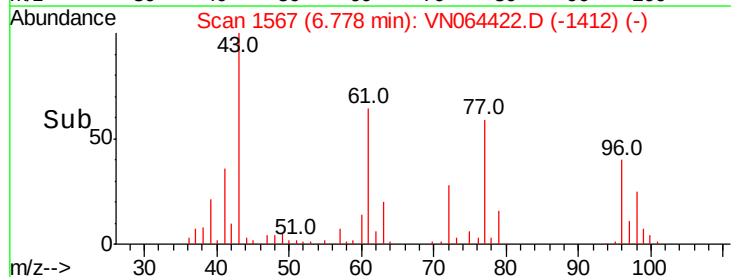
98 67.7 49.6 74.4

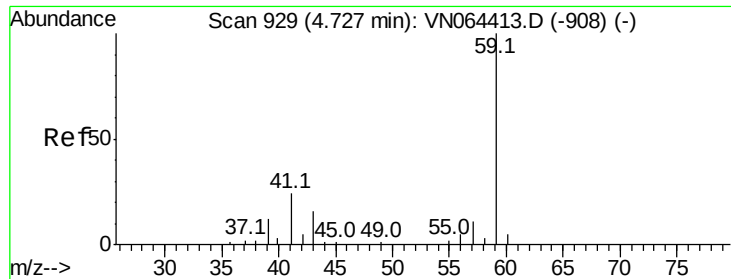


Abundance Ion 96.00 (95.70 to 96.70): VN064413.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064413.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064413.D (-1548) (-)



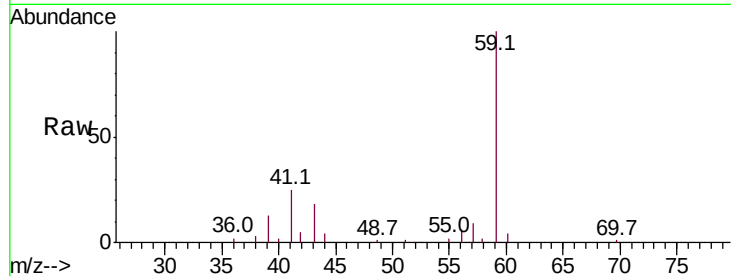


#23

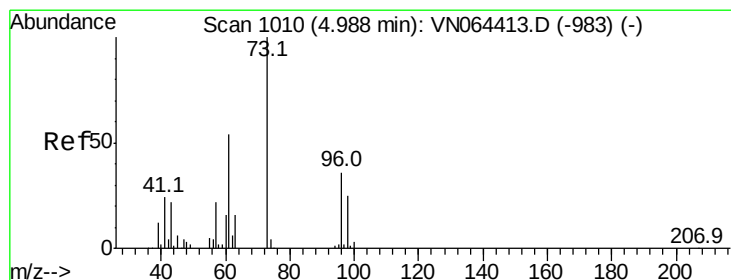
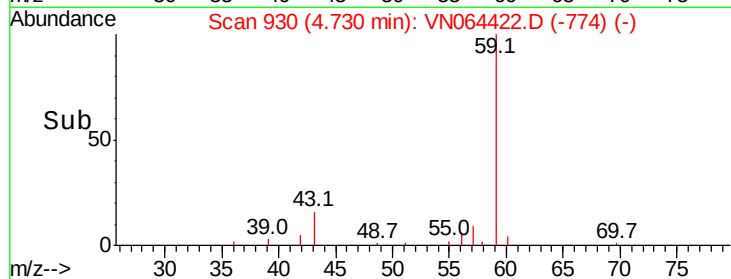
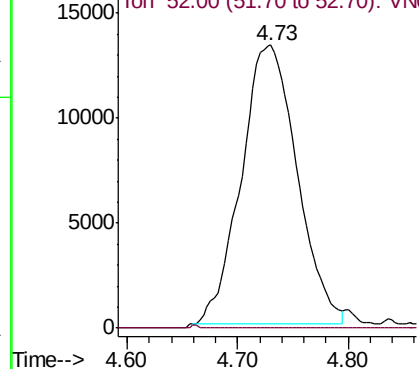
tert-Butyl Alcohol
 Concen: 88.106 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN1102WBSD01

Tot Ion: 59 Resp: 46619
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#



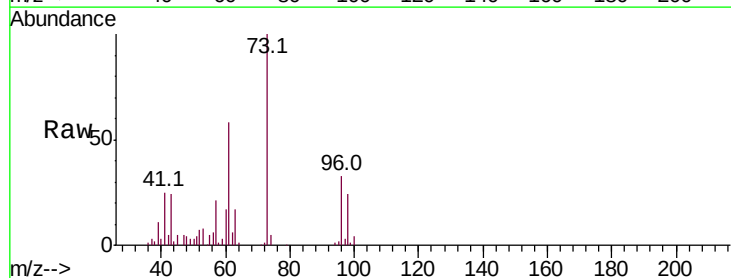
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



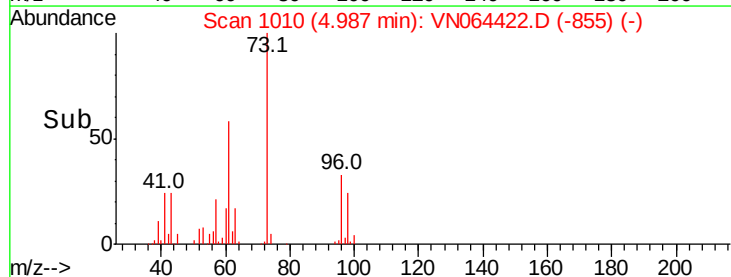
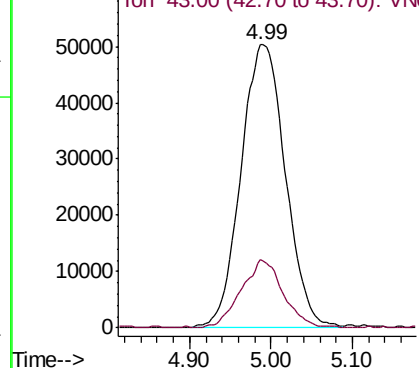
#24

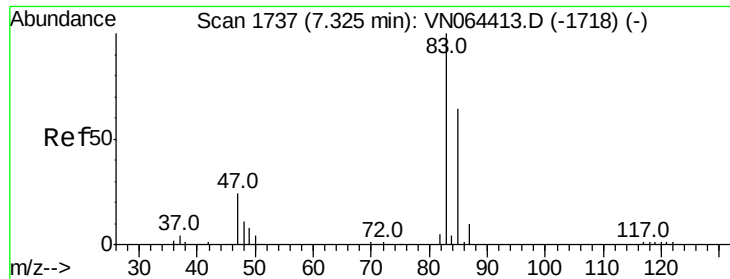
Methyl tert-Butyl Ether
 Concen: 17.953 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 73 Resp: 190126
 Ion Ratio Lower Upper
 73 100
 43 22.5 6.8 10.2#



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

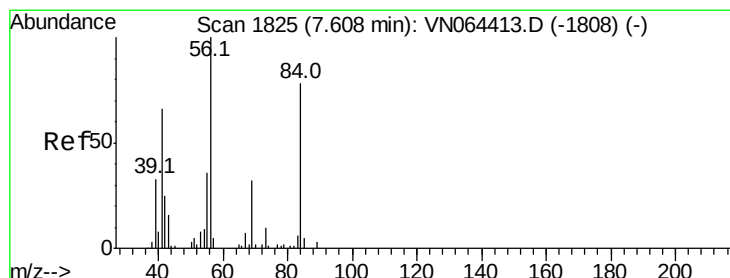
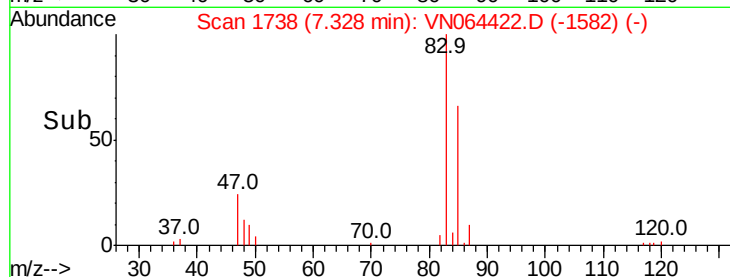
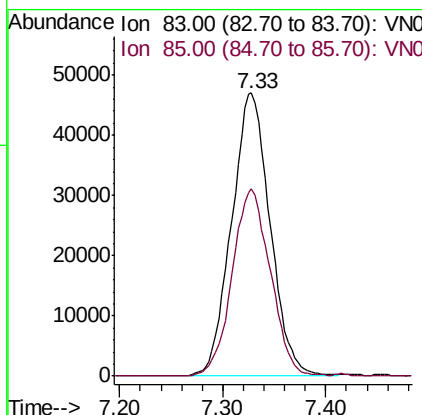
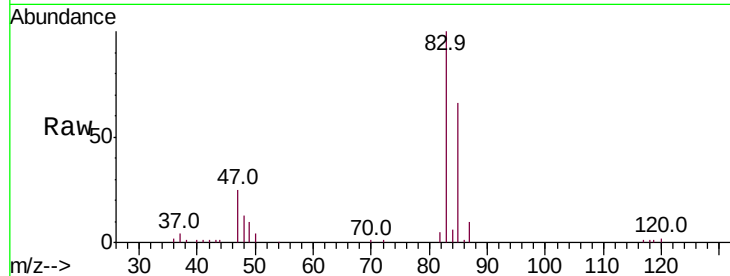




#25
Chloroform
Concen: 18.233 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

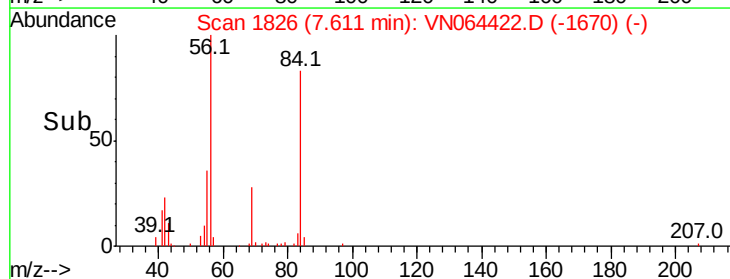
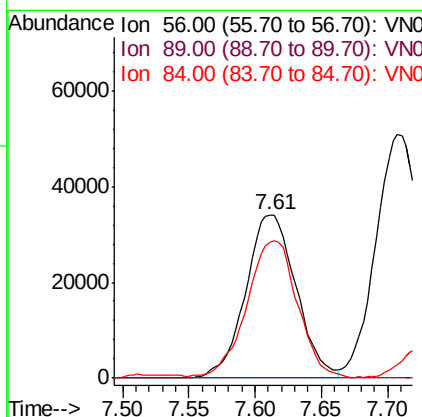
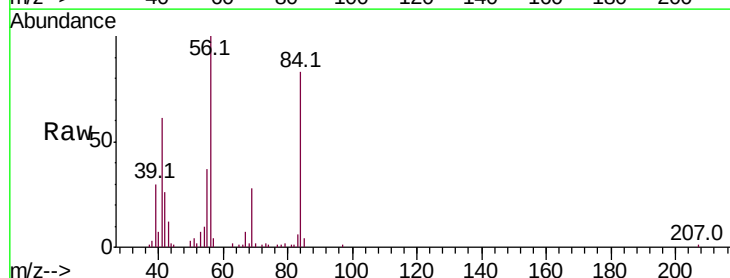
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

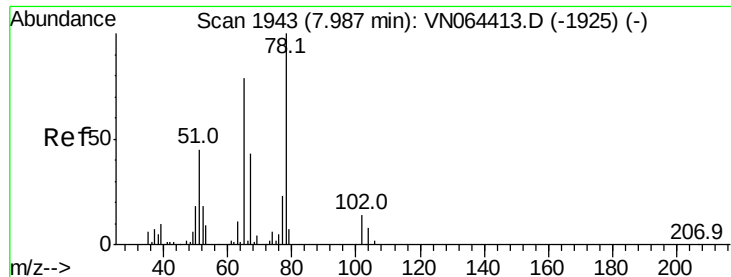
Tot Ion: 83 Resp: 122353
Ion Ratio Lower Upper
83 100
85 66.1 51.0 76.4



#26
Cyclohexane
Concen: 18.228 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion: 56 Resp: 90442
Ion Ratio Lower Upper
56 100
89 0.2 2.3 3.5#
84 85.0 69.4 104.0





#27

1,2-Dichloroethane-d4

Concen: 30.501 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

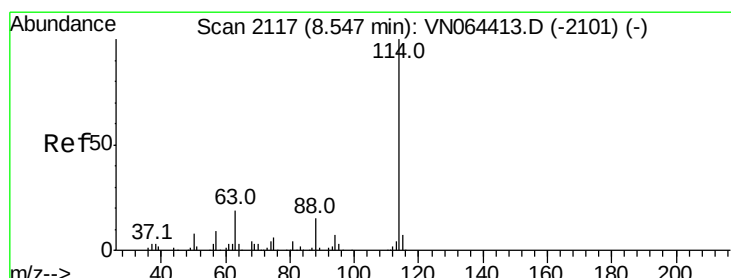
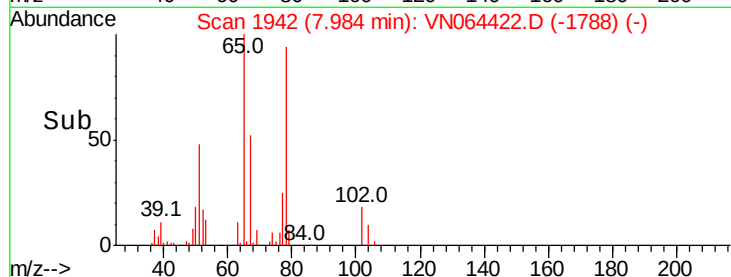
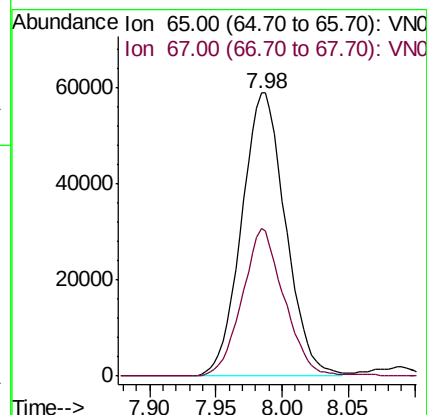
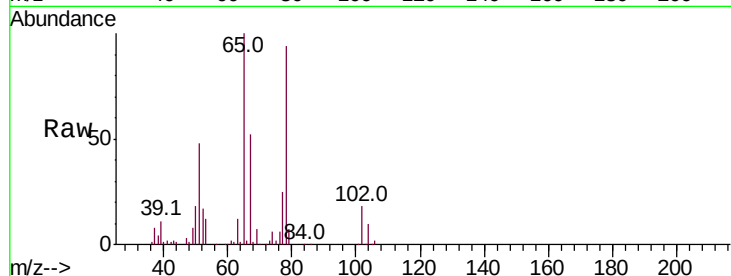
VN1102WBSD01

Tot Ion: 65 Resp: 136219

Ion Ratio Lower Upper

65 100

67 49.7 40.6 61.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

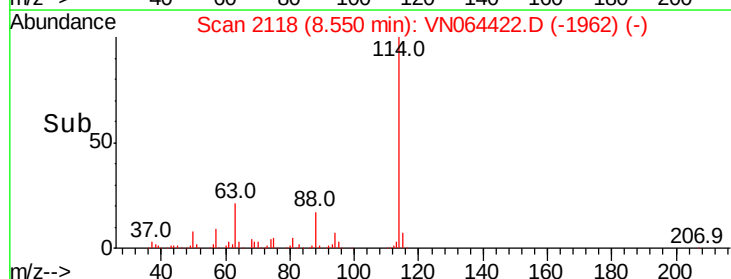
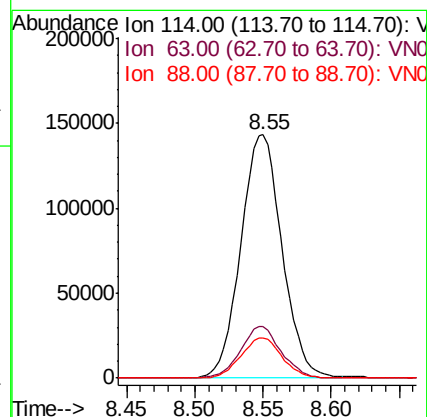
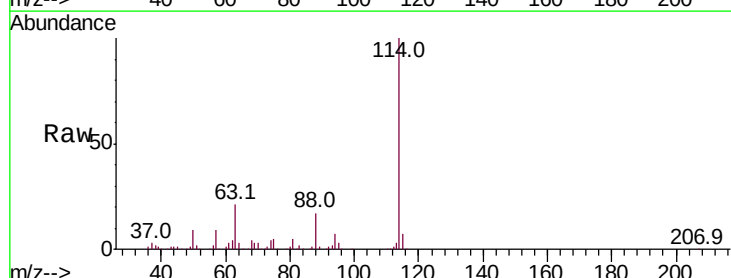
Tgt Ion: 114 Resp: 300527

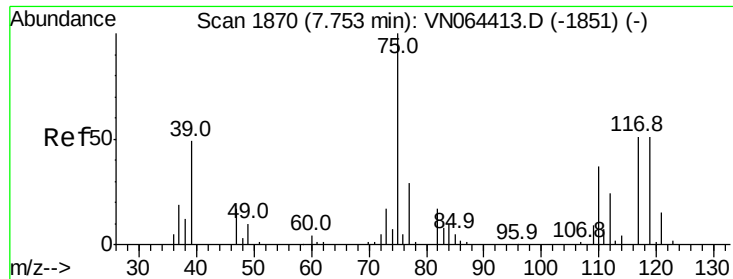
Ion Ratio Lower Upper

114 100

63 20.8 16.2 24.4

88 16.6 12.6 19.0





#29

1,1-Dichloropropene

Concen: 18.614 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

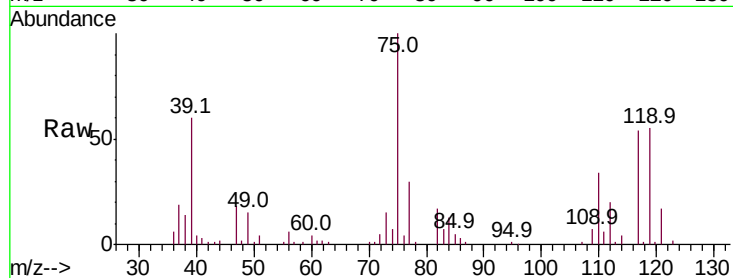
Tot Ion: 75 Resp: 89998

Ion Ratio Lower Upper

75 100

110 32.4 0.0 71.8

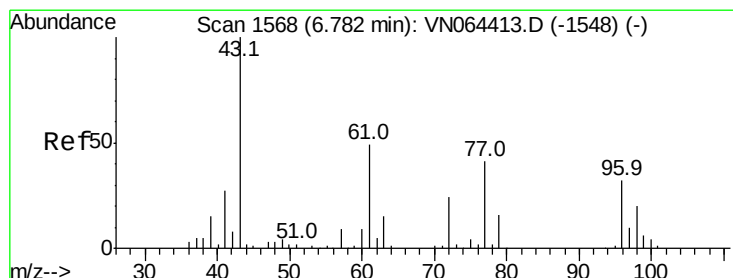
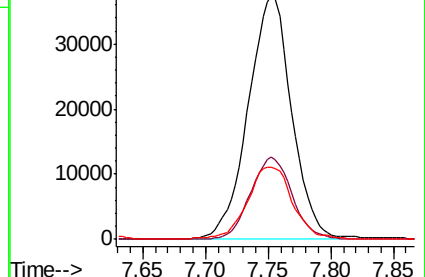
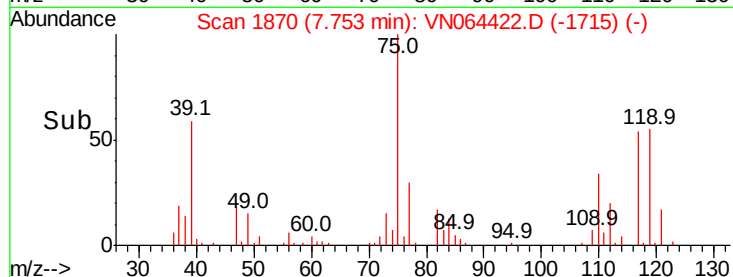
77 30.8 0.0 32.4



Abundance Ion 75.00 (74.70 to 75.70): VN064413.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN064413.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN064413.D (-1851) (-)



#30

2-Butanone

Concen: 82.710 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

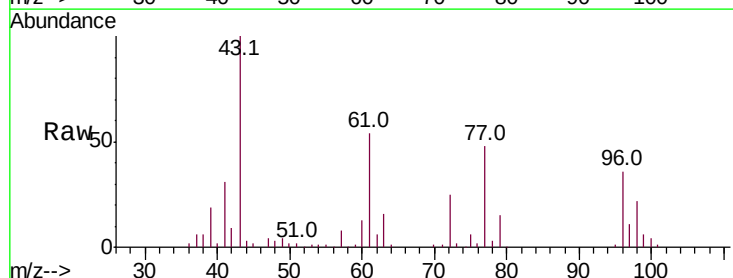
Tgt Ion: 43 Resp: 181554

Ion Ratio Lower Upper

43 100

57 8.1 6.6 9.8

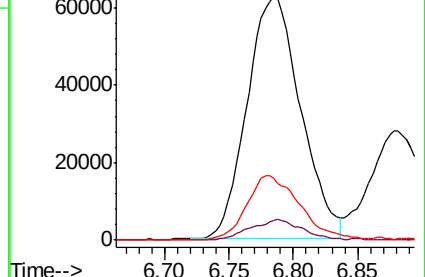
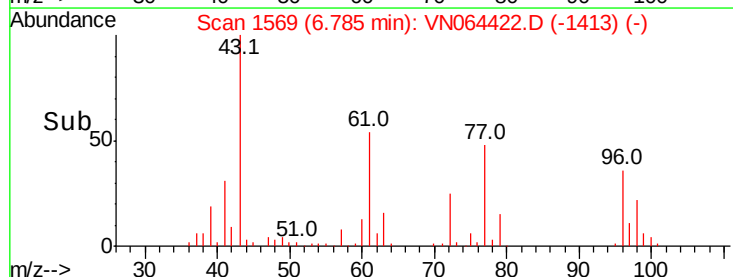
72 26.3 20.0 30.0

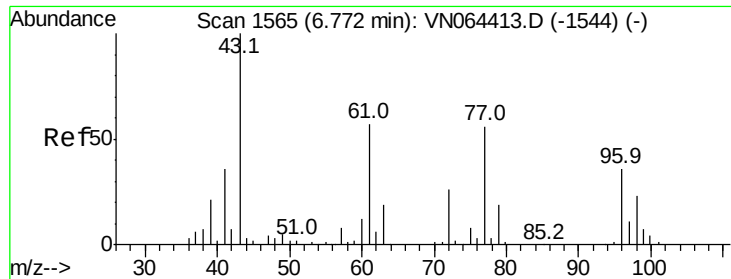


Abundance Ion 43.00 (42.70 to 43.70): VN064413.D (-1548) (-)

Ion 57.00 (56.70 to 57.70): VN064413.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN064413.D (-1548) (-)

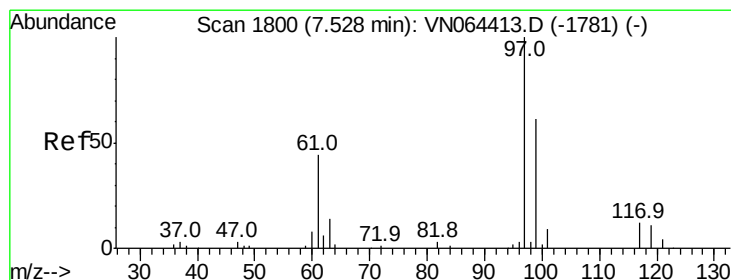
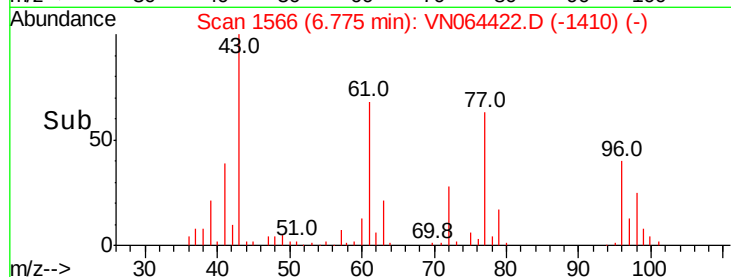
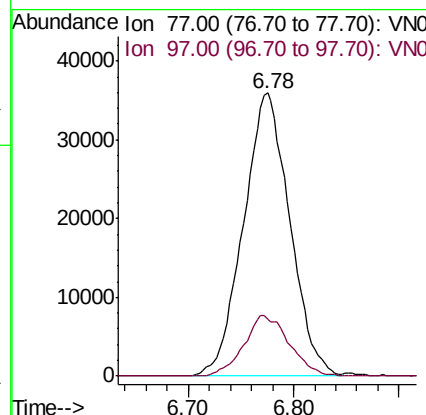
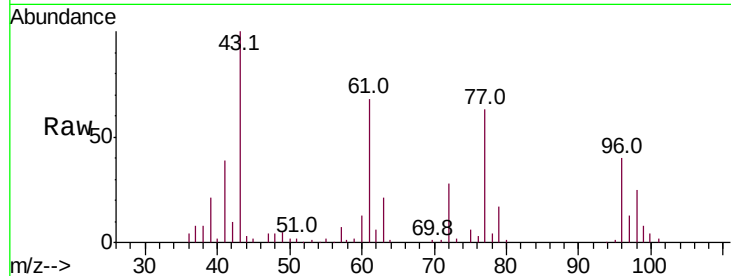




#31
 2,2-Dichloropropane
 Concen: 18.517 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

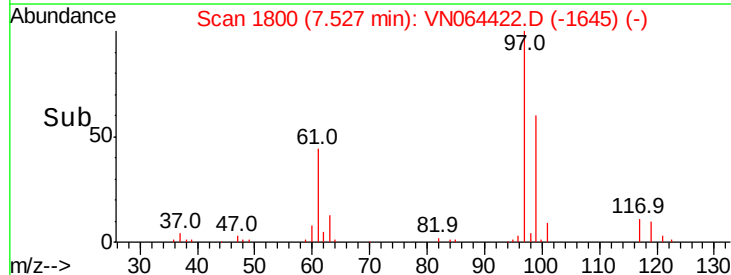
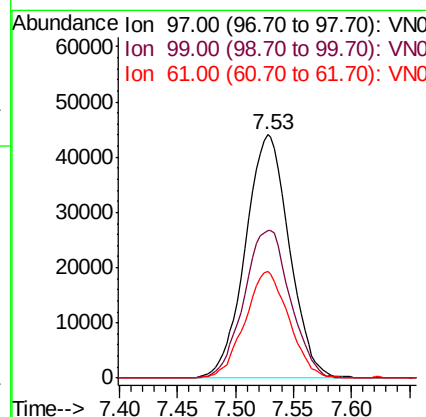
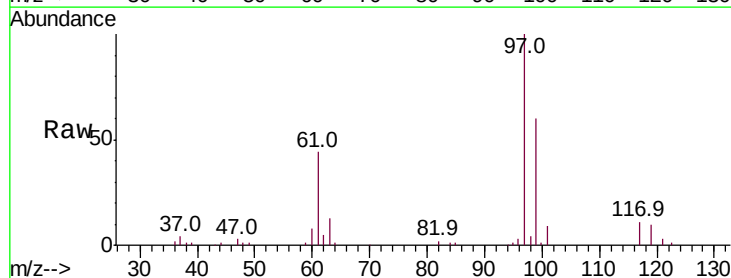
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

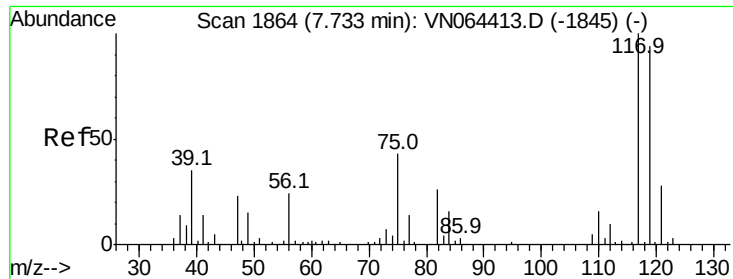
Tot Ion: 77 Resp: 109906
 Ion Ratio Lower Upper
 77 100
 97 12.5 17.4 26.0#



#32
 1,1,1-Trichloroethane
 Concen: 18.320 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 97 Resp: 116115
 Ion Ratio Lower Upper
 97 100
 99 63.9 49.8 74.8
 61 43.9 34.9 52.3

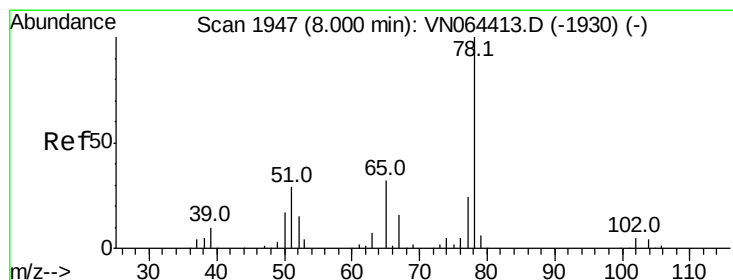
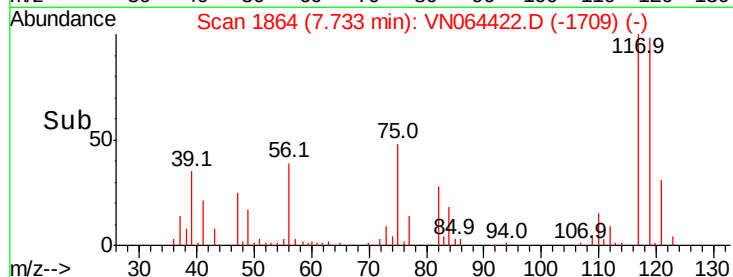
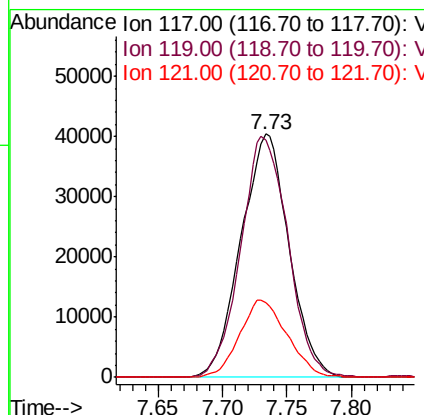
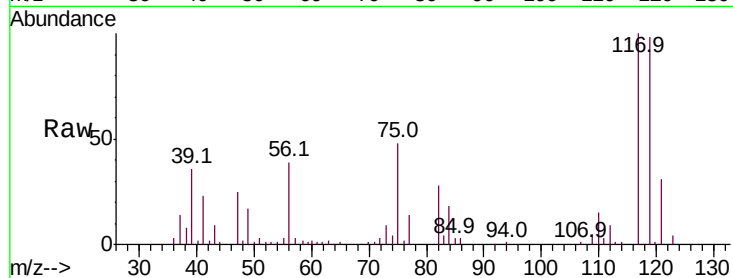




#33
Carbon Tetrachloride
Concen: 18.342 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

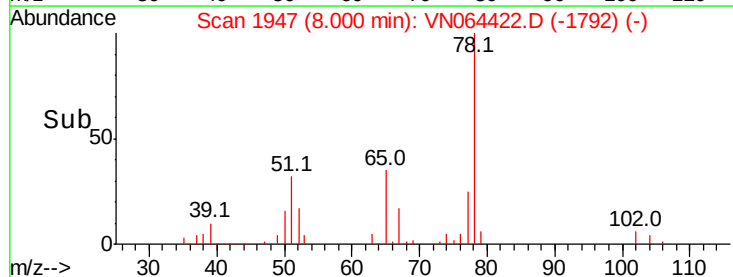
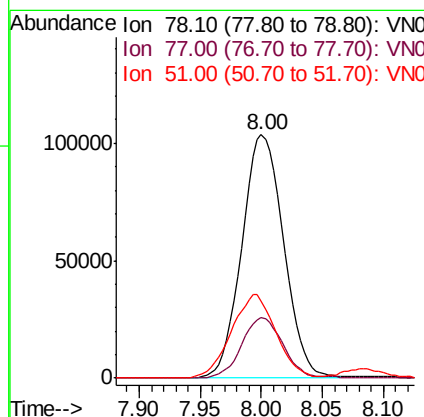
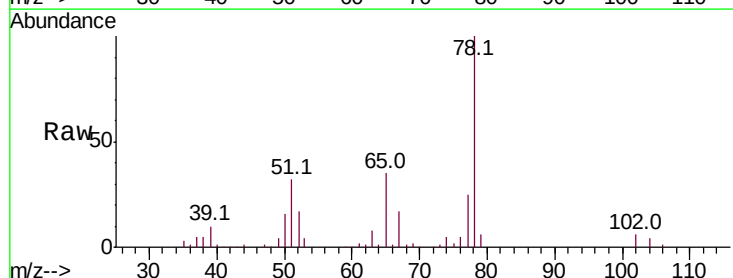
Instrument :
MSVOA_N
ClientSampled :
VN1102WBSD01

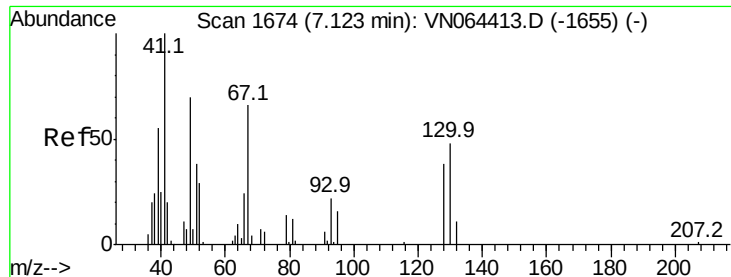
Tot Ion:117 Resp: 104731
Ion Ratio Lower Upper
117 100
119 97.5 75.0 112.4
121 30.8 22.1 33.1



#34
Benzene
Concen: 17.982 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion: 78 Resp: 246342
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4
51 31.2 23.1 34.7

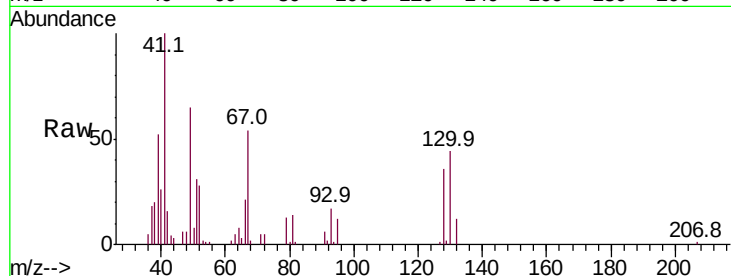




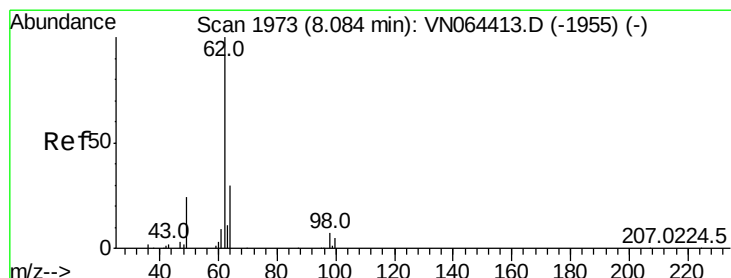
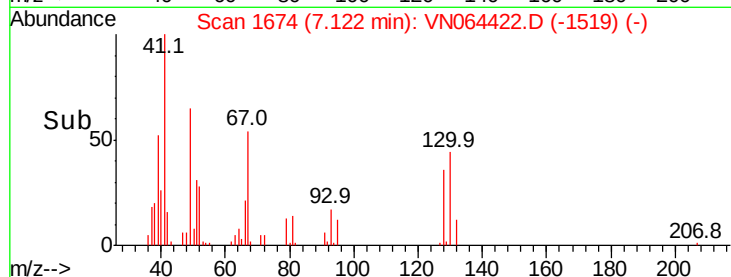
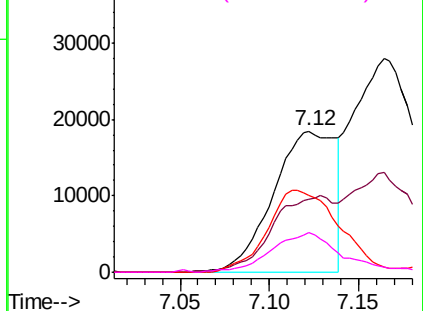
#35
Methacrylonitrile
Concen: 20.666 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

Tot Ion:	41	Resp:	44847
Ion	Ratio	Lower	Upper
41	100		
39	51.5	27.8	83.3
67	54.0	32.9	98.6
52	26.4	14.4	43.0

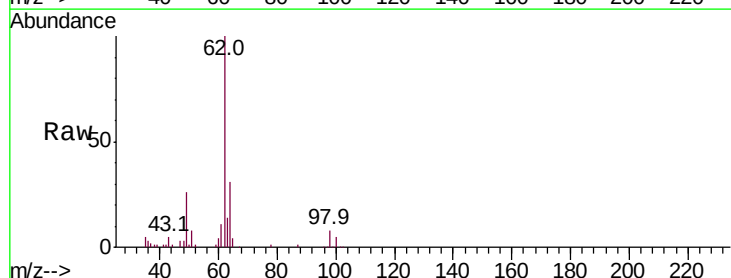


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

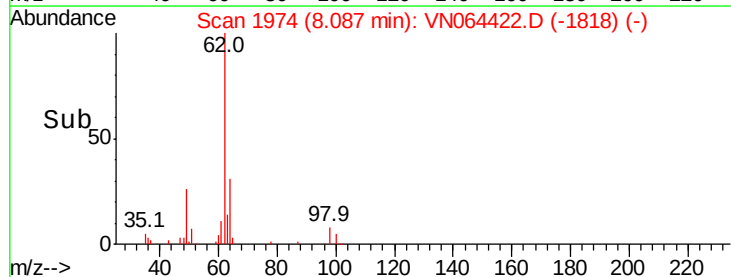
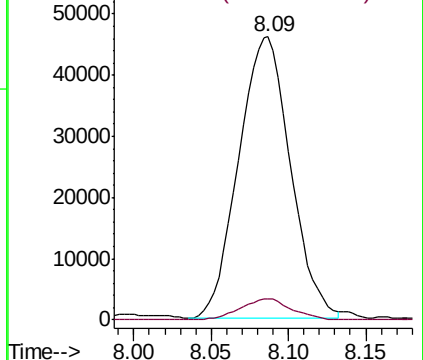


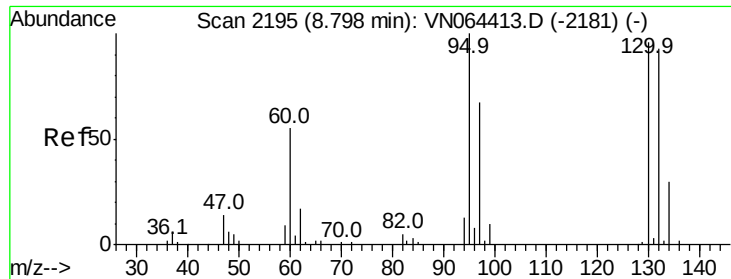
#36
1,2-Dichloroethane
Concen: 18.918 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion:	62	Resp:	107177
Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.2	9.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 17.678 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

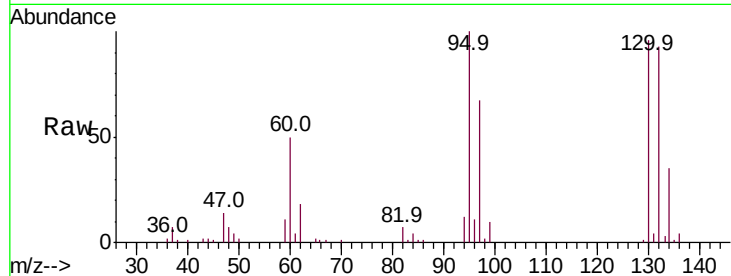
VN1102WBSD01

Tot Ion:130 Resp: 67990

Ion Ratio Lower Upper

130 100

95 104.3 83.6 125.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

30000

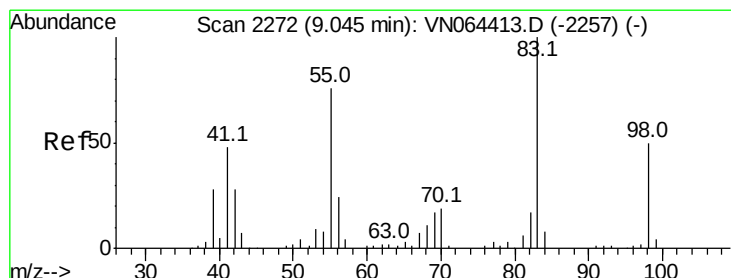
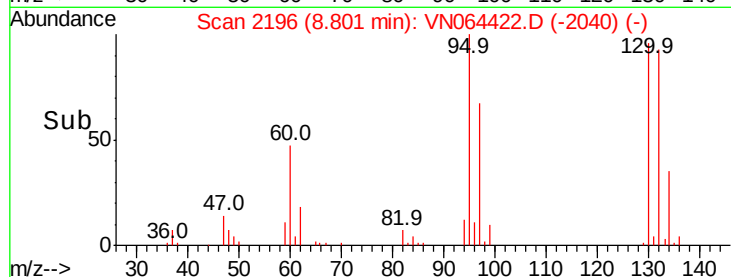
20000

10000

0

Time-->

8.75 8.80 8.85



#38

Methylcyclohexane

Concen: 17.682 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

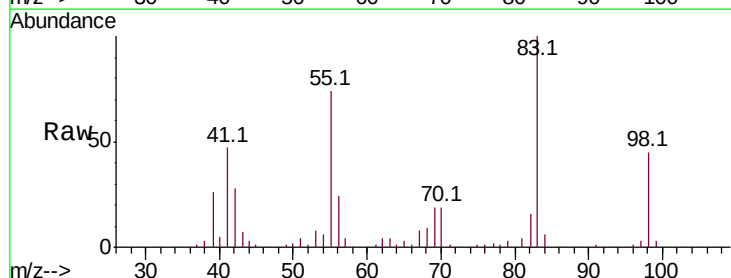
Tgt Ion: 83 Resp: 77543

Ion Ratio Lower Upper

83 100

55 79.1 38.3 114.9

98 45.8 24.6 74.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

50000

40000

30000

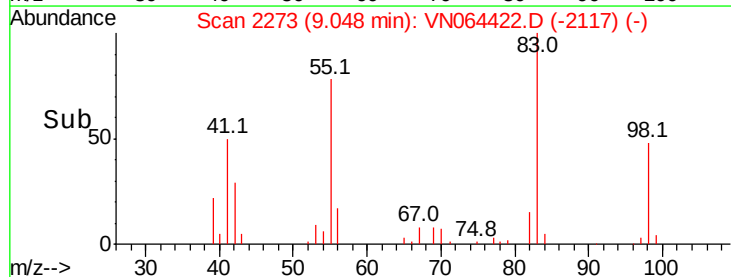
20000

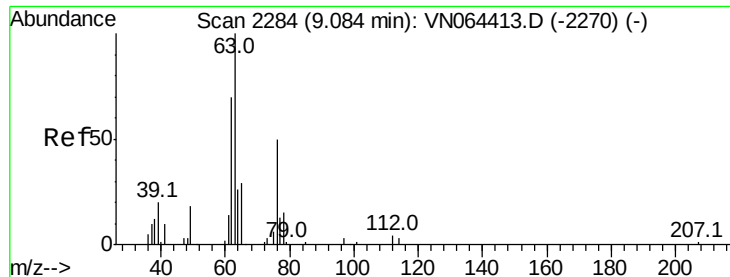
10000

0

Time-->

9.00 9.05 9.10





#39

1,2-Dichloropropane

Concen: 18.262 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

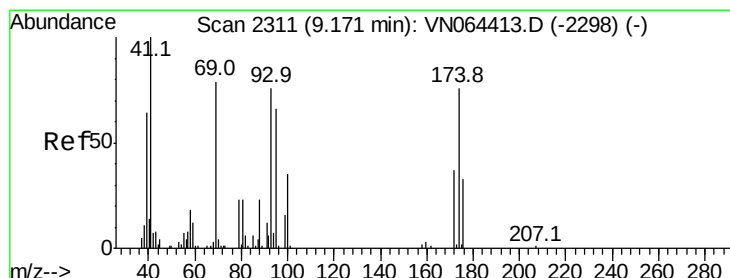
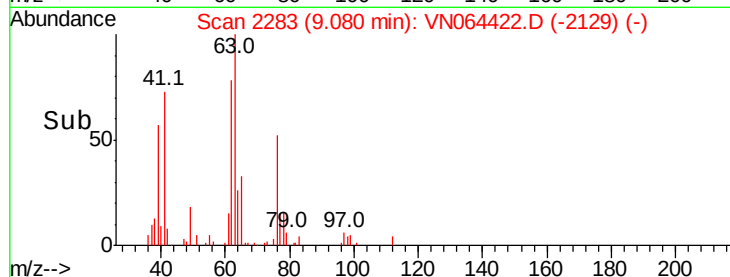
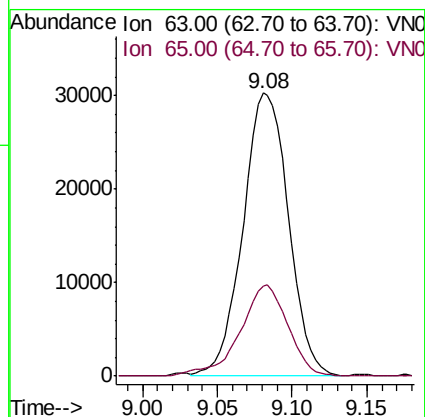
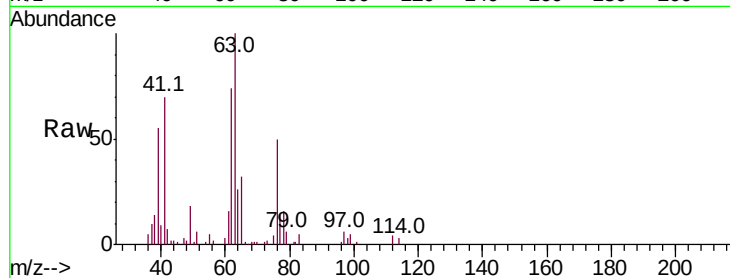
VN1102WBSD01

Tot Ion: 63 Resp: 64187

Ion Ratio Lower Upper

63 100

65 32.0 25.0 37.6



#40

Dibromomethane

Concen: 18.497 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

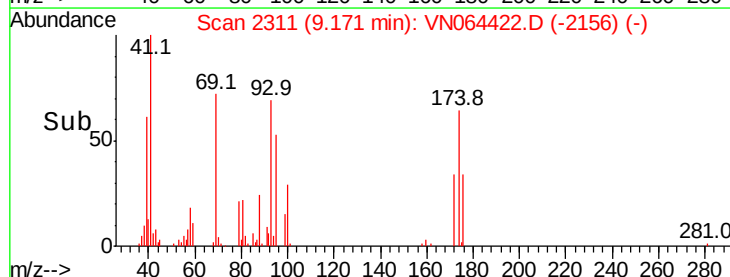
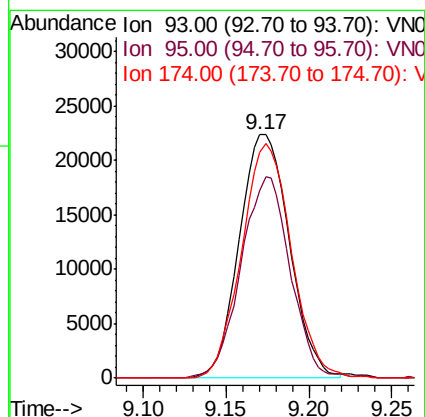
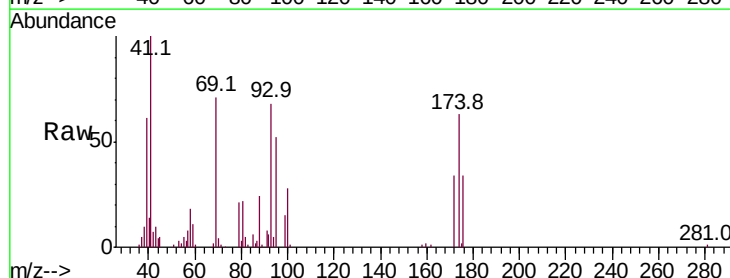
Tgt Ion: 93 Resp: 47118

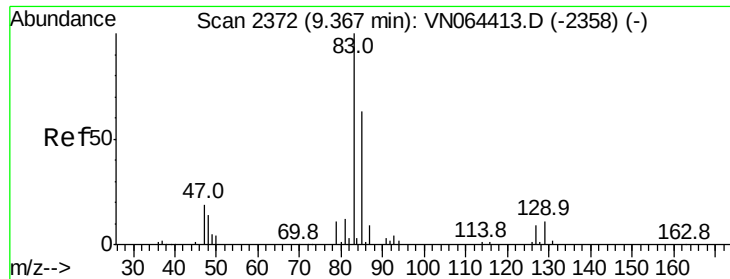
Ion Ratio Lower Upper

93 100

95 81.0 0.0 170.0

174 95.3 0.0 199.8





#41

Bromodichloromethane

Concen: 17.922 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

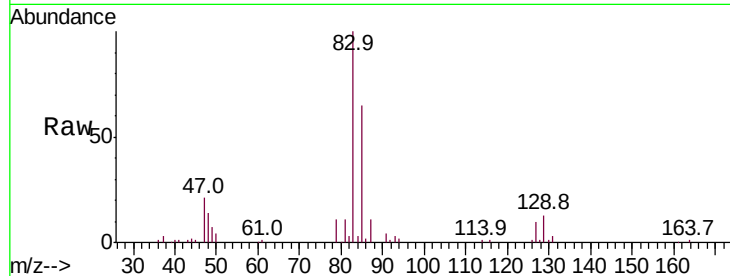
Tot Ion: 83 Resp: 96432

Ion Ratio Lower Upper

83 100

85 64.9 50.5 75.7

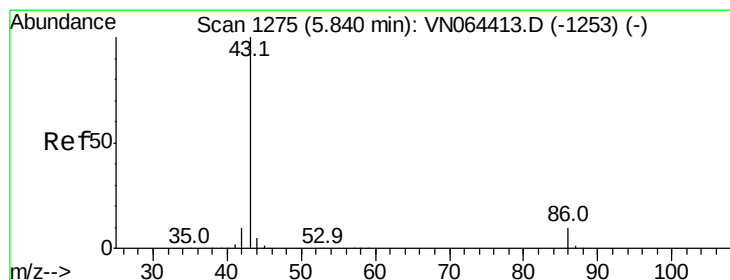
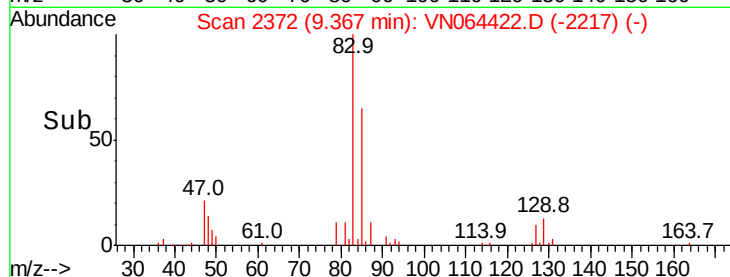
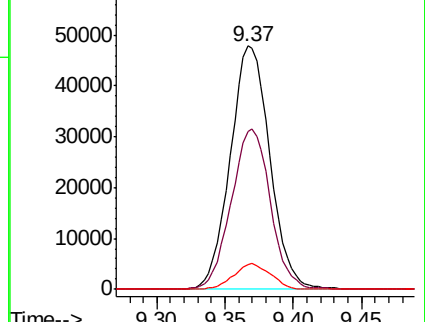
127 10.1 7.0 10.6



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: 91.434 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064422.D

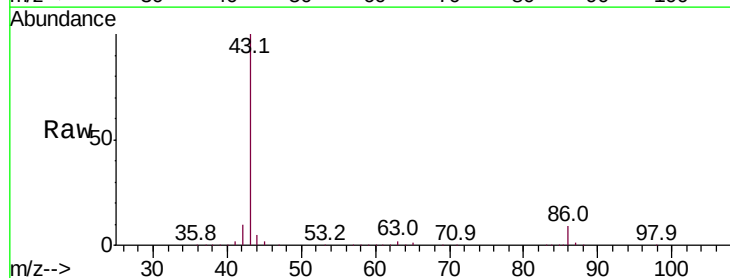
Acq: 2 Nov 2020 18:24

Tgt Ion: 43 Resp: 849659

Ion Ratio Lower Upper

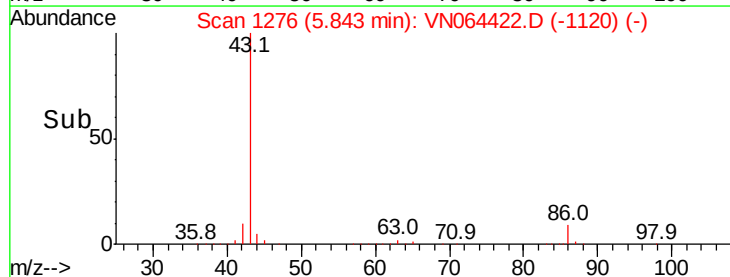
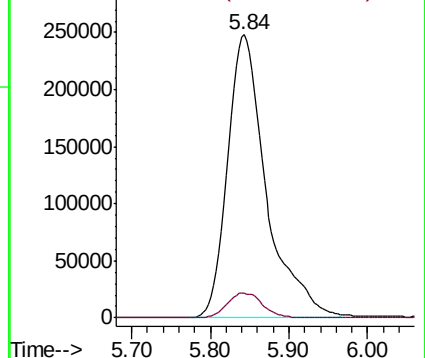
43 100

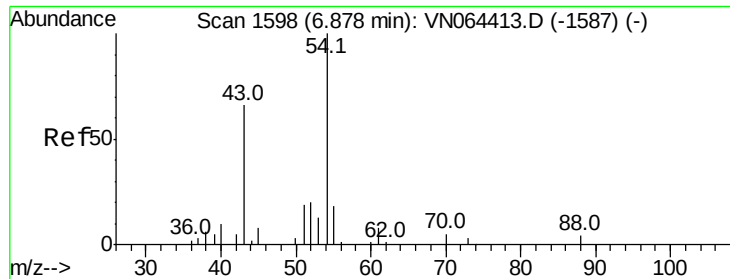
86 7.9 6.5 9.7



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: 18.898 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

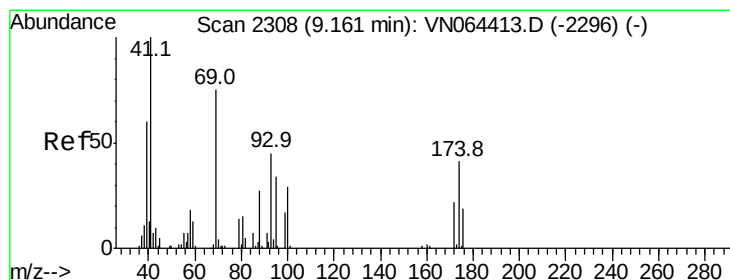
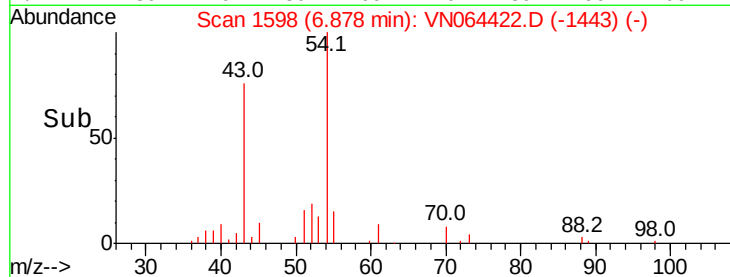
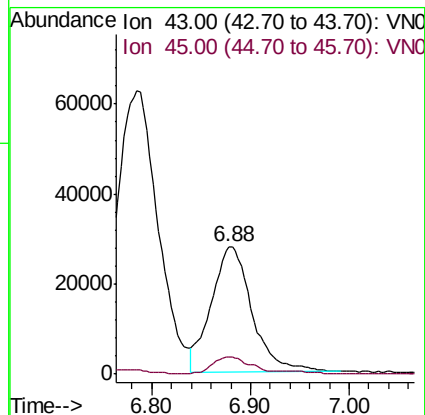
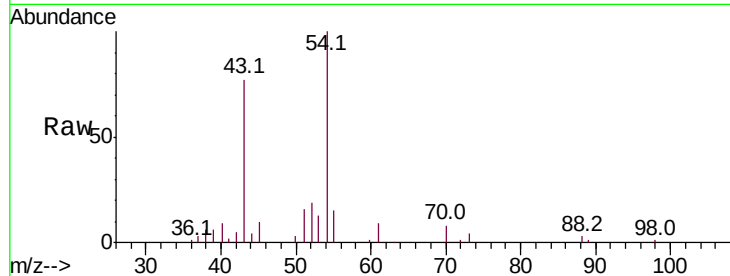
VN1102WBSD01

Tot Ion: 43 Resp: 80328

Ion Ratio Lower Upper

43 100

45 10.3 5.2 7.8#



#45

1,4-Dioxane

Concen: 370.706 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

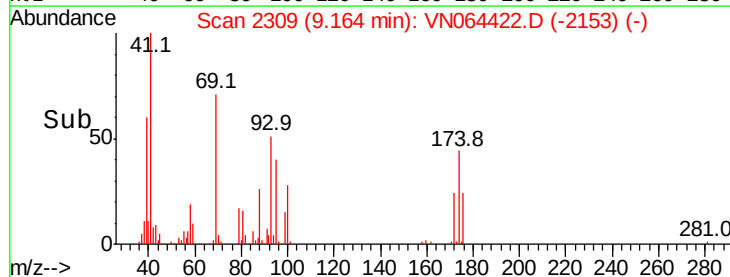
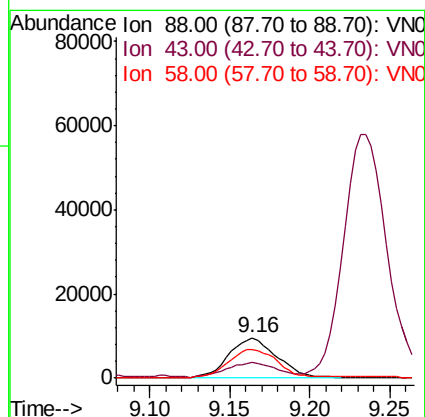
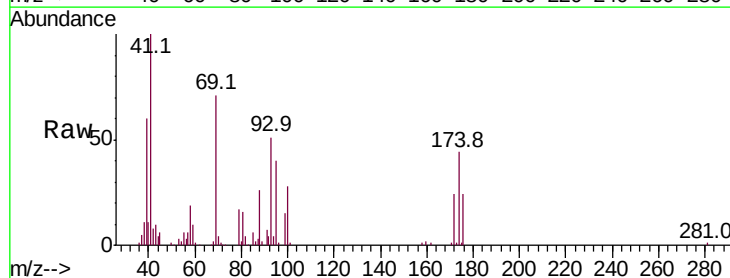
Tgt Ion: 88 Resp: 19669

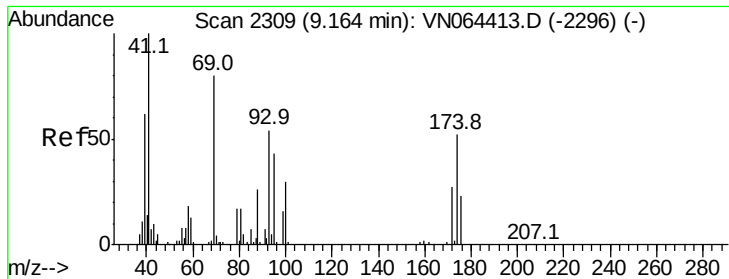
Ion Ratio Lower Upper

88 100

43 37.2 32.0 48.0

58 73.0 59.1 88.7





#46

Methyl methacrylate

Concen: 19.033 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

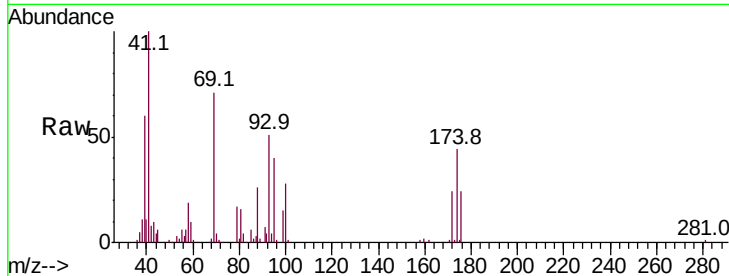
Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :
MSVOA_N
ClientSampled :
VN1102WBSD01

Tot Ion: 41 Resp: 71049

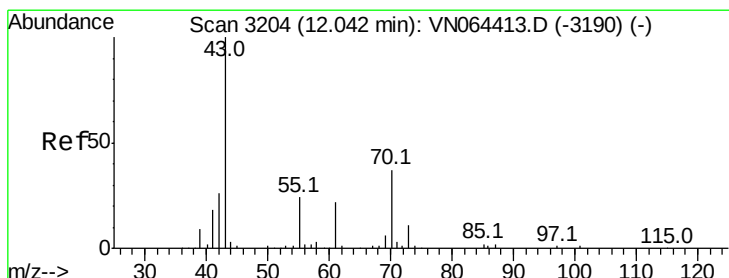
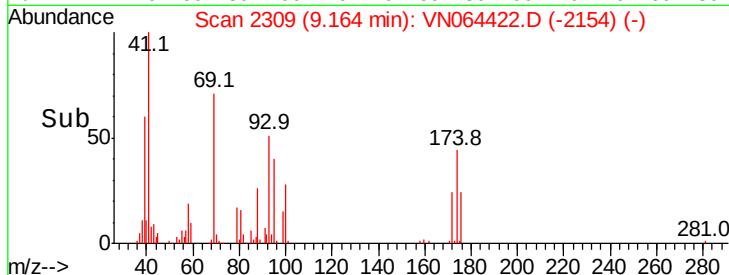
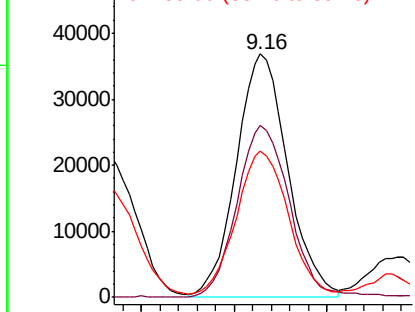
Ion	Ratio	Lower	Upper
41	100		
69	71.7	39.8	119.4
39	59.8	30.5	91.5



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-aryl Acetate

Concen: 17.752 ug/l

RT: 12.04 min Scan# 3205

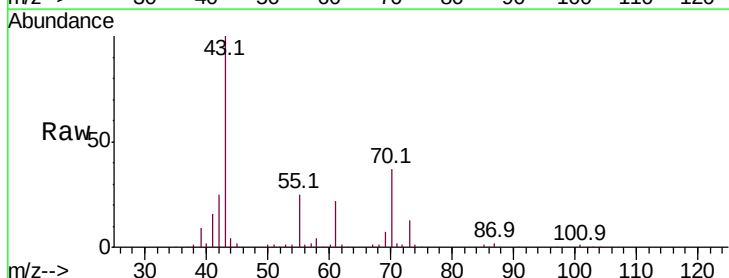
Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

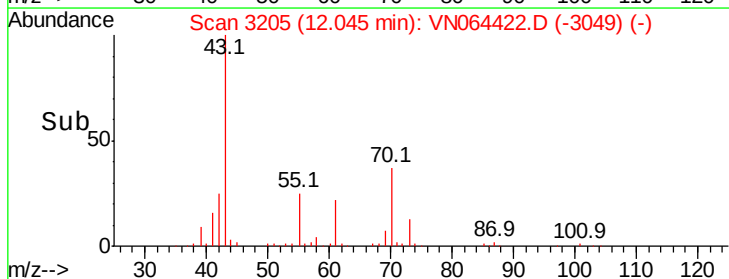
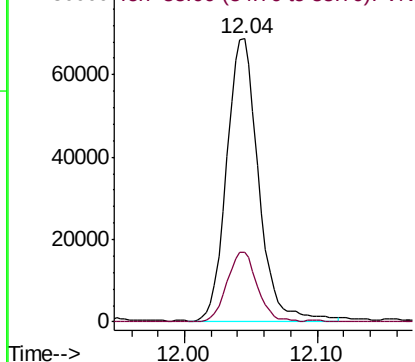
Tgt Ion: 43 Resp: 114165

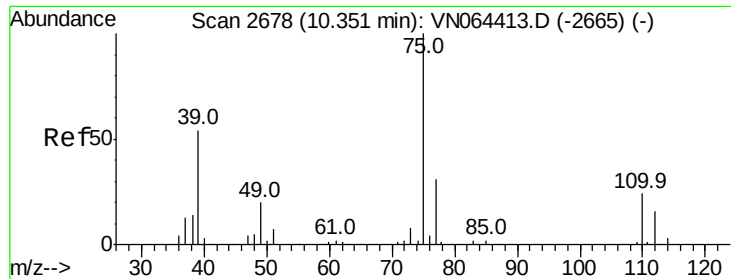
Ion	Ratio	Lower	Upper
43	100		
55	23.5	18.1	27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 17.728 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

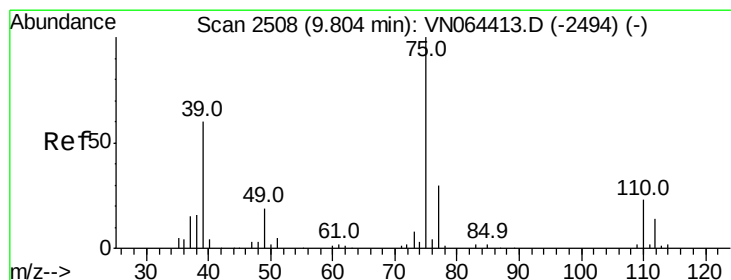
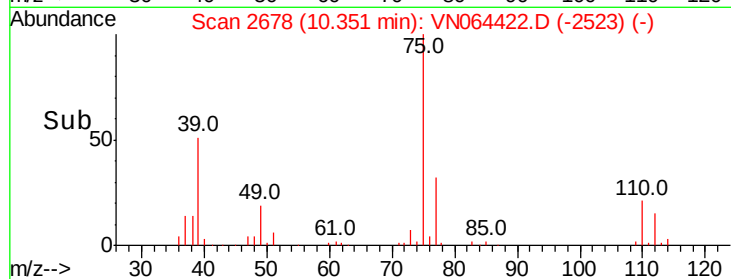
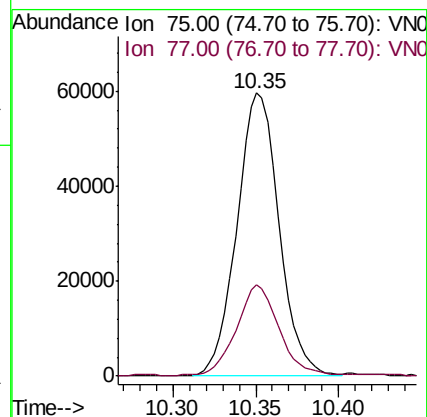
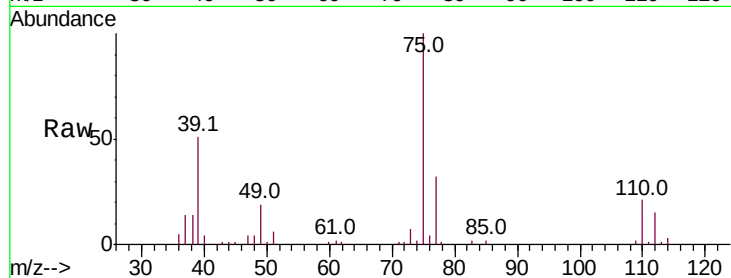
VN1102WBSD01

Tot Ion: 75 Resp: 105269

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#49

cis-1,3-Dichloropropene

Concen: 17.874 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

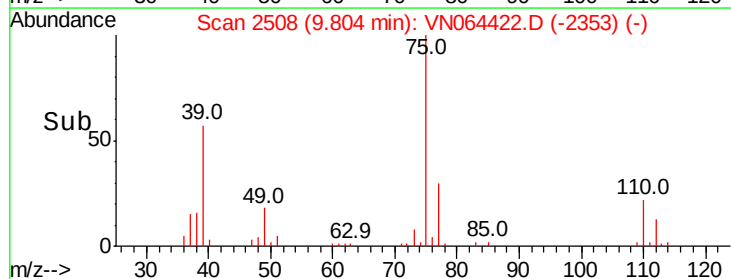
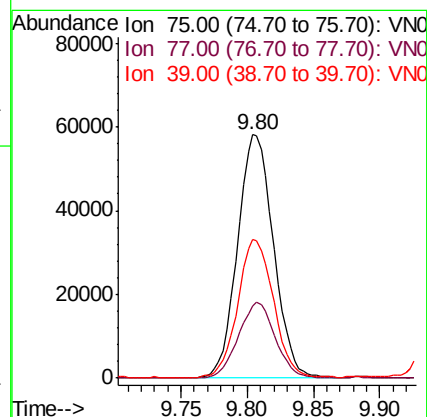
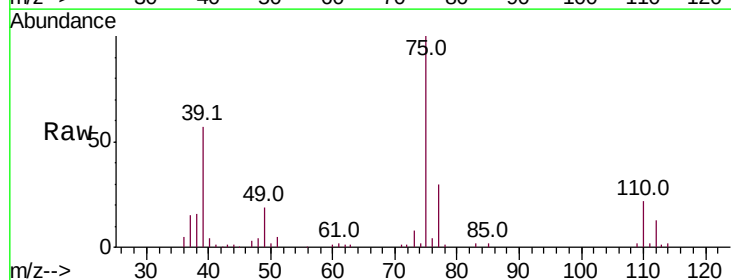
Tgt Ion: 75 Resp: 109823

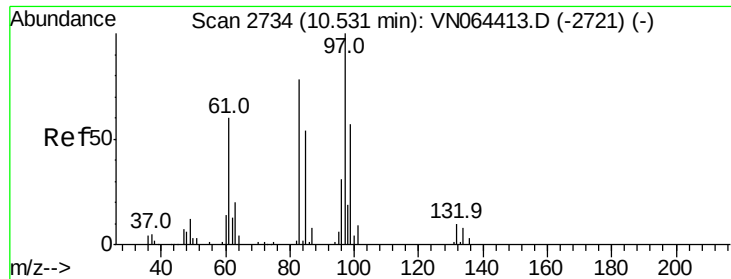
Ion Ratio Lower Upper

75 100

77 29.7 24.3 36.5

39 57.0 48.0 72.0

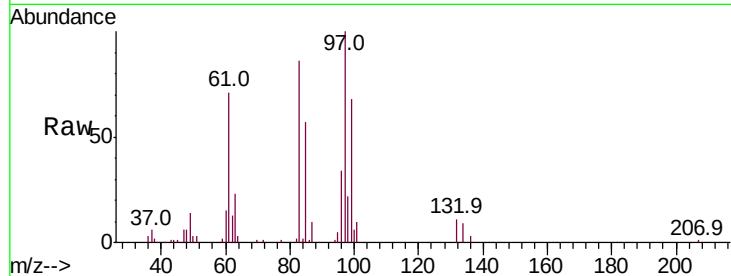




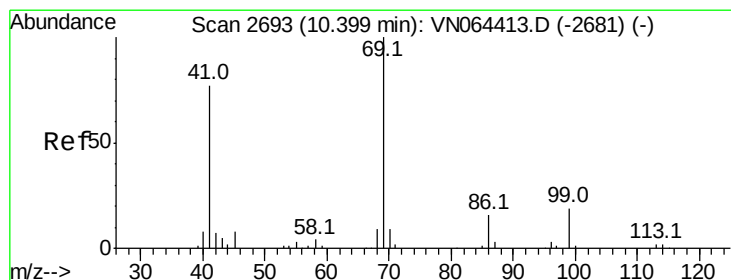
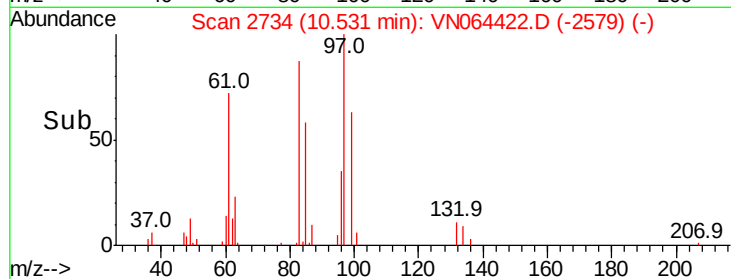
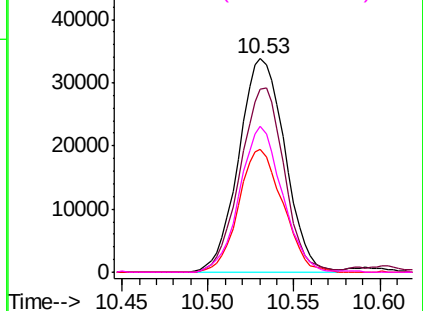
#50
 1,1,2-Trichloroethane
 Concen: 18.446 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

Tot Ion: 97 Resp: 63090
 Ion Ratio Lower Upper
 97 100
 83 86.0 62.4 93.6
 85 57.5 42.9 64.3
 99 68.1 45.7 68.5

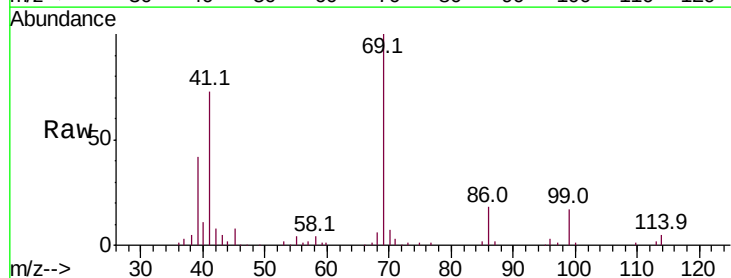


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

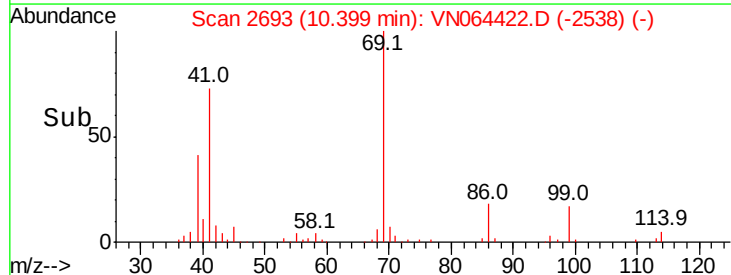
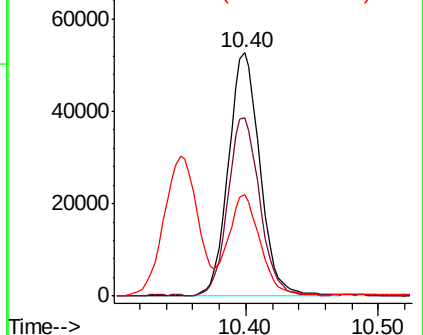


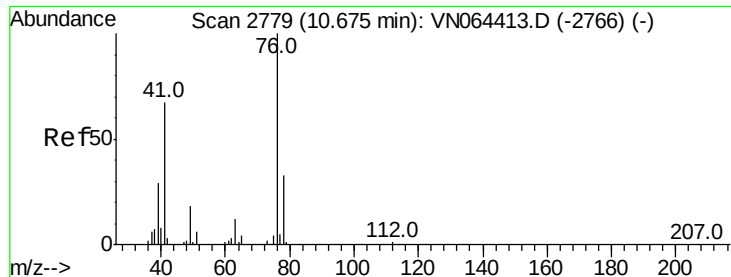
#51
 Ethyl methacrylate
 Concen: 17.750 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 69 Resp: 87212
 Ion Ratio Lower Upper
 69 100
 41 73.0 38.4 115.2
 39 40.7 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: 18.552 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

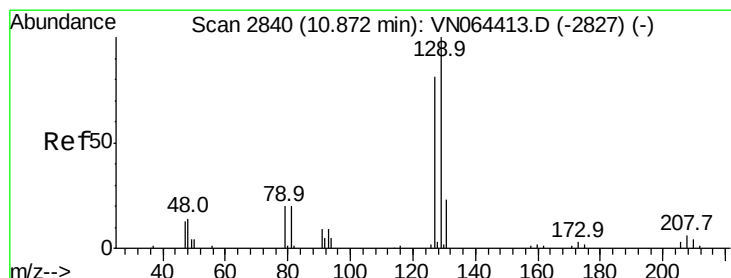
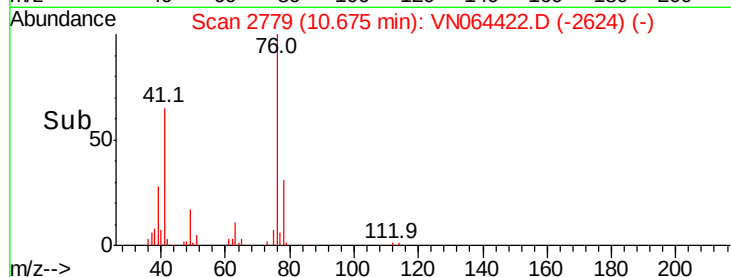
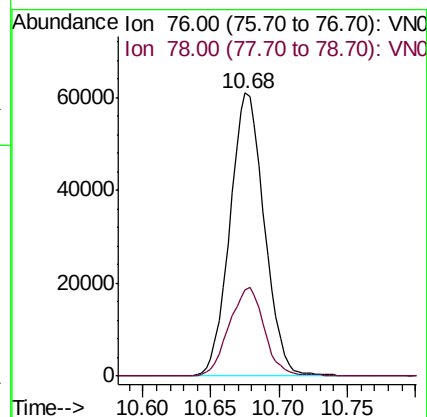
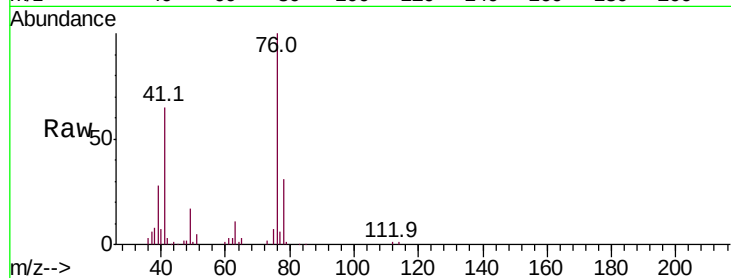
VN1102WBSD01

Tot Ion: 76 Resp: 107002

Ion Ratio Lower Upper

76 100

78 31.9 0.0 65.2



#53

Dibromochloromethane

Concen: 17.555 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064422.D

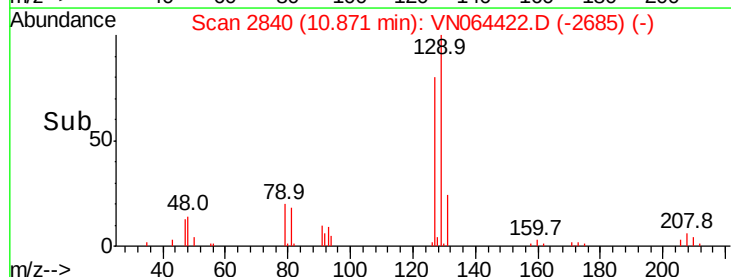
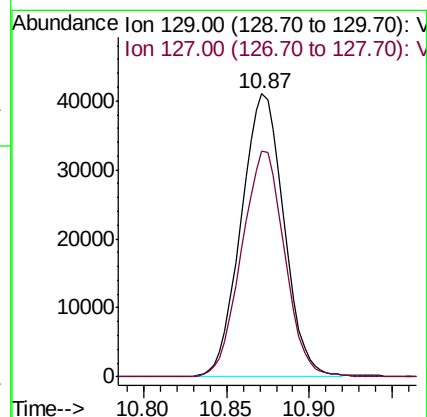
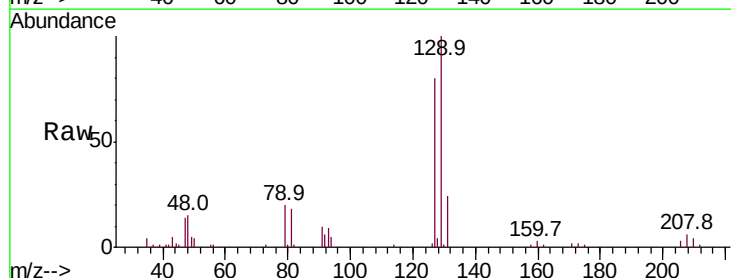
Acq: 2 Nov 2020 18:24

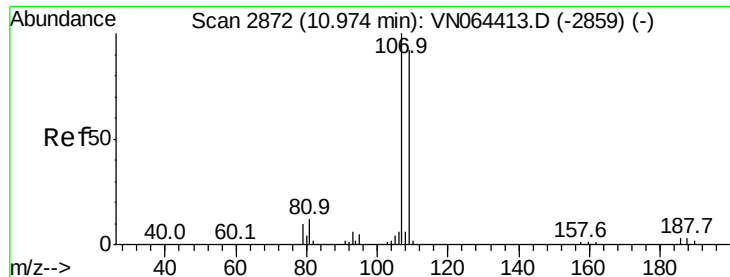
Tgt Ion: 129 Resp: 73752

Ion Ratio Lower Upper

129 100

127 80.3 38.6 115.7





#54

1,2-Dibromoethane

Concen: 17.929 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

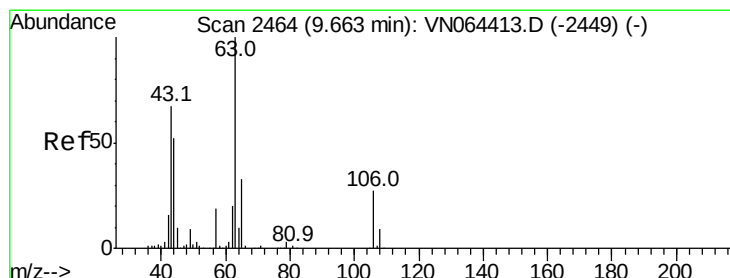
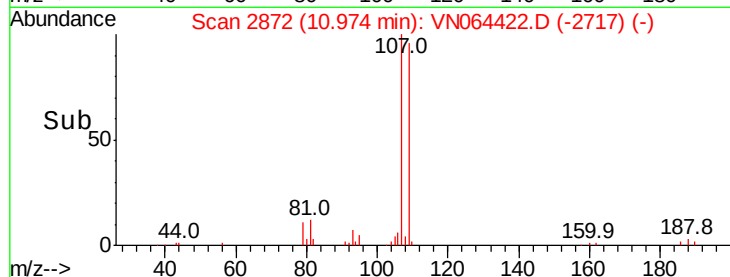
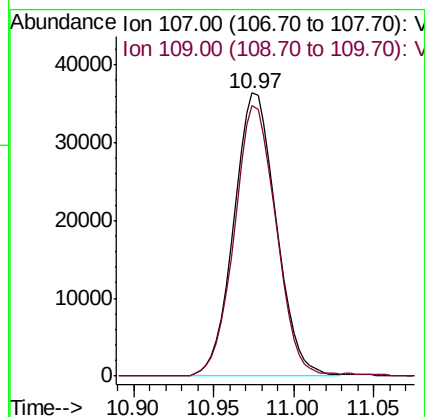
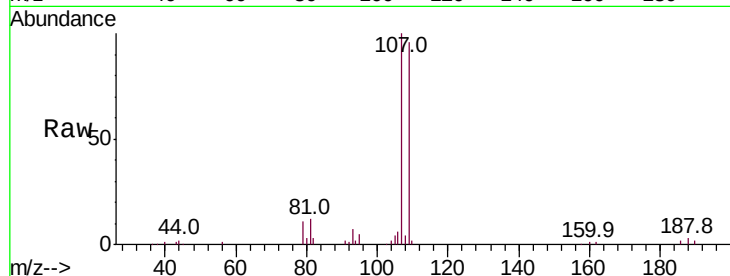
VN1102WBSD01

Tot Ion:107 Resp: 65637

Ion Ratio Lower Upper

107 100

109 94.0 76.5 114.7



#55

2-Chloroethyl vinyl ether

Concen: 86.999 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

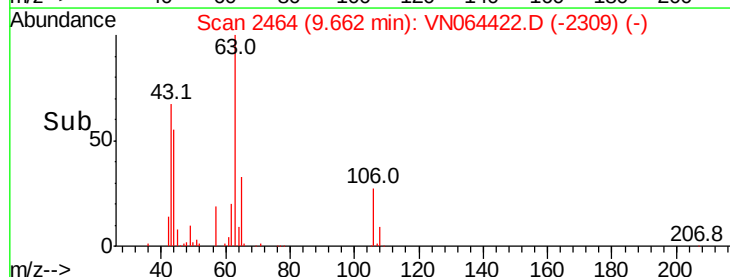
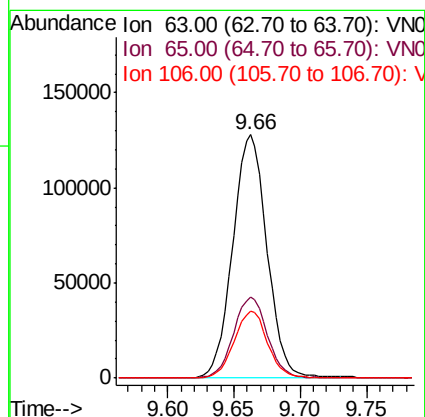
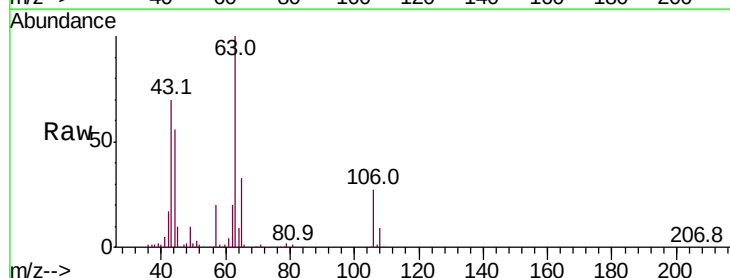
Tgt Ion: 63 Resp: 229741

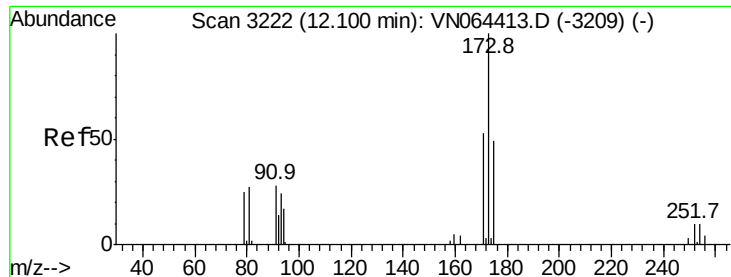
Ion Ratio Lower Upper

63 100

65 32.9 26.2 39.4

106 26.9 21.8 32.6

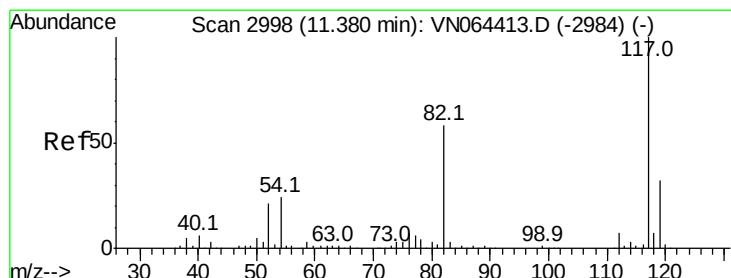
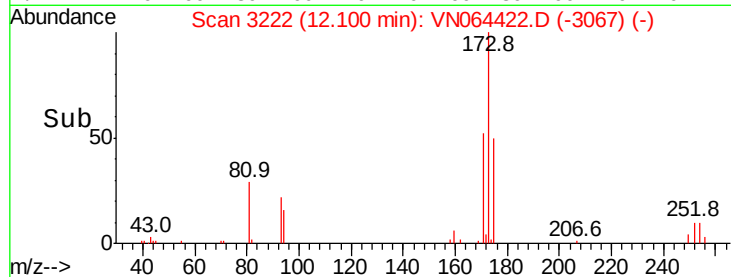
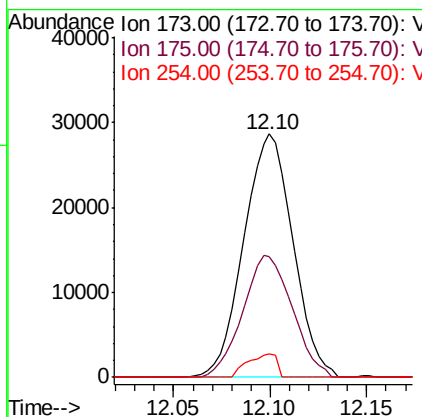
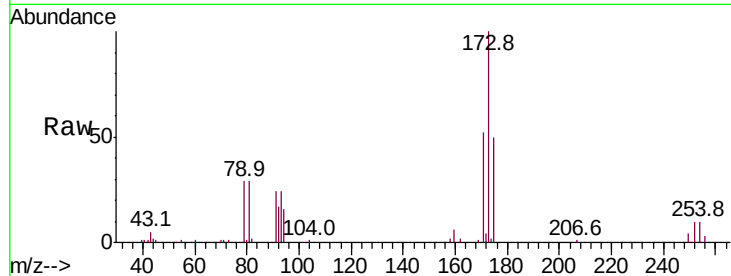




#56
Bromoform
Concen: 17.132 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

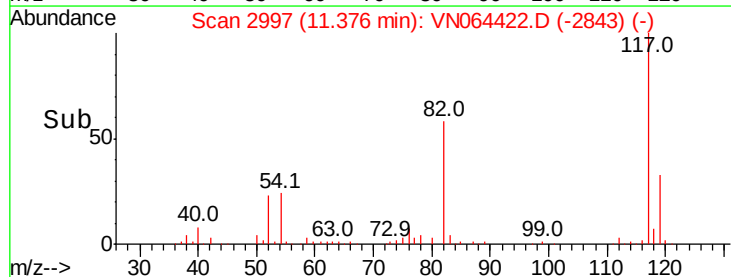
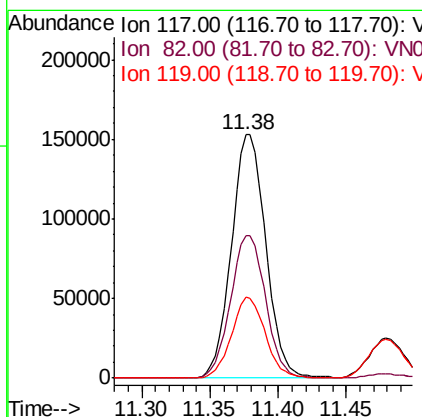
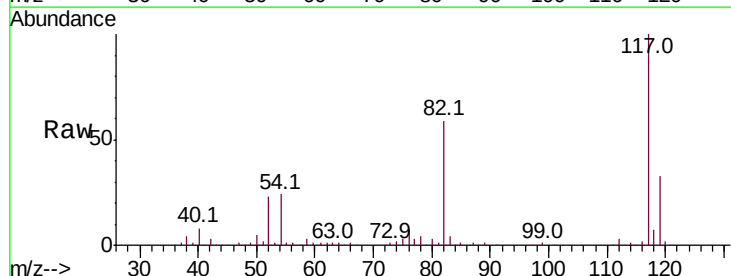
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

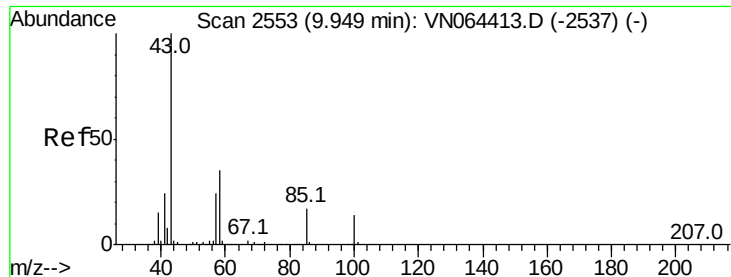
Tot Ion:173 Resp: 50767
Ion Ratio Lower Upper
173 100
175 50.3 39.0 58.4
254 5.7 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion:117 Resp: 268143
Ion Ratio Lower Upper
117 100
82 59.7 46.1 69.1
119 32.5 26.2 39.2

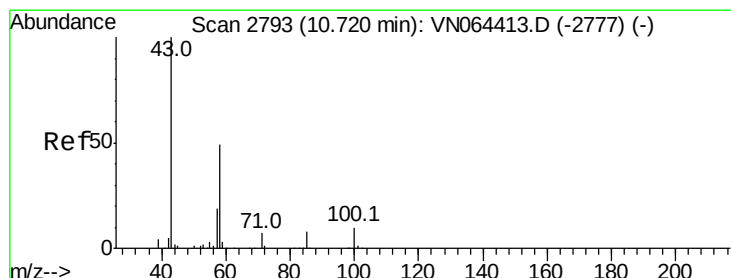
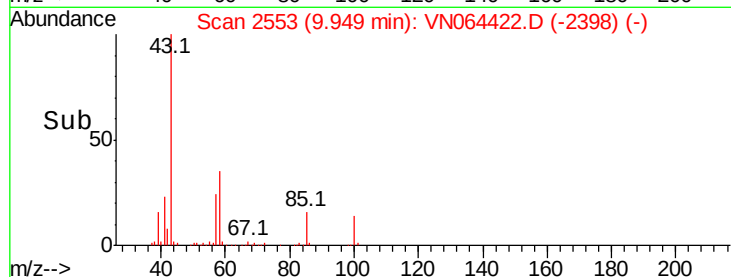
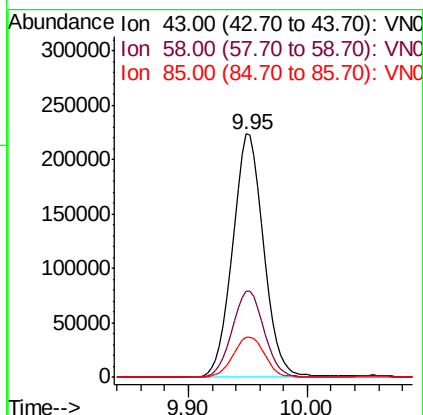
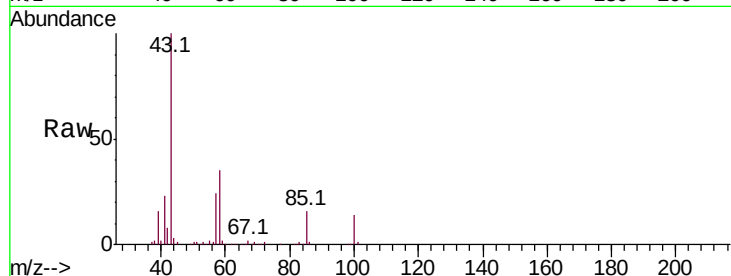




#58
 4-Methyl-2-Pentanone
 Concen: 94.960 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

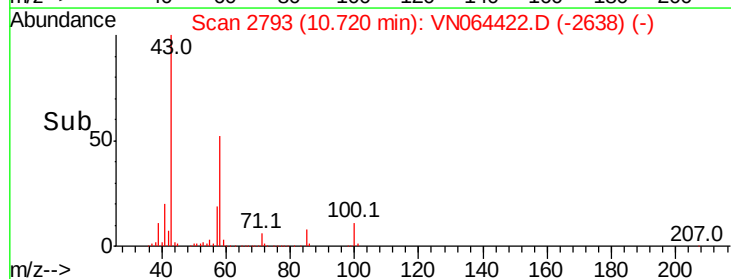
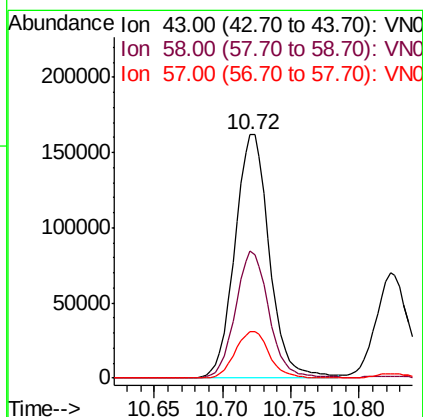
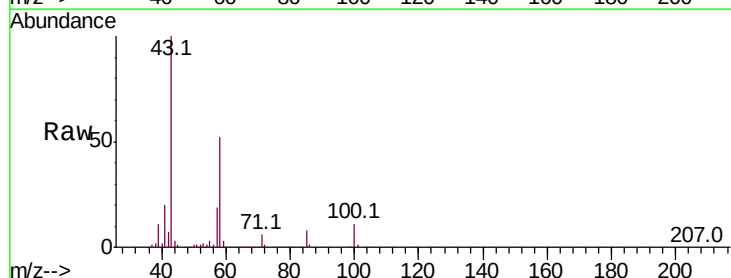
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

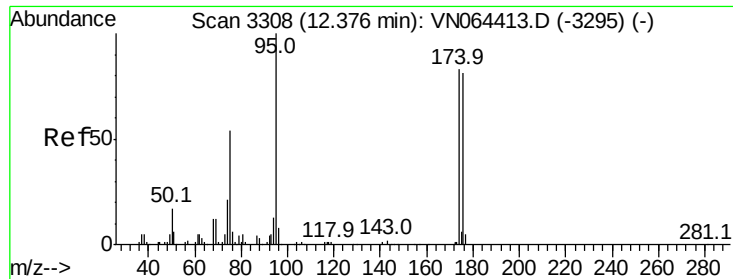
Tot Ion: 43 Resp: 403033
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.6 43.0
 85 17.0 13.5 20.3



#59
 2-Hexanone
 Concen: 89.728 ug/l
 RT: 10.72 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion: 43 Resp: 283446
 Ion Ratio Lower Upper
 43 100
 58 50.6 39.4 59.0
 57 19.0 14.4 21.6

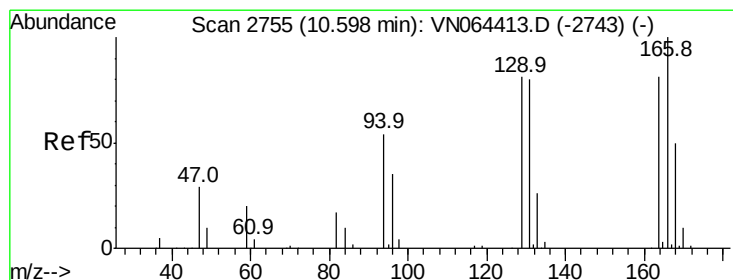
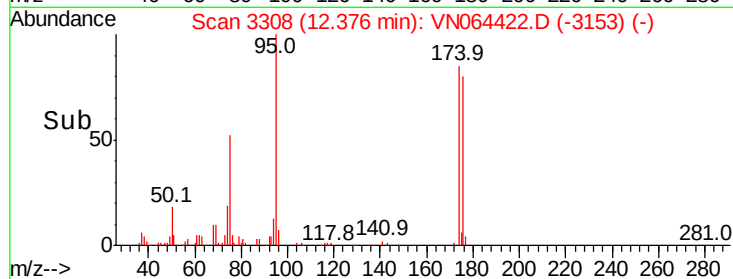
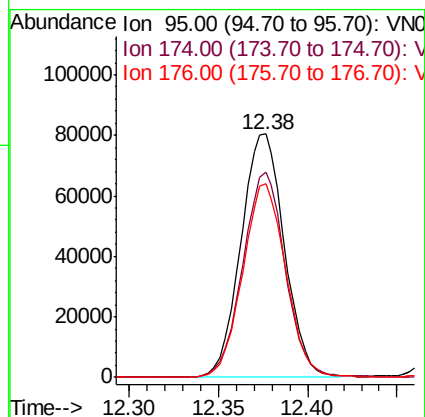
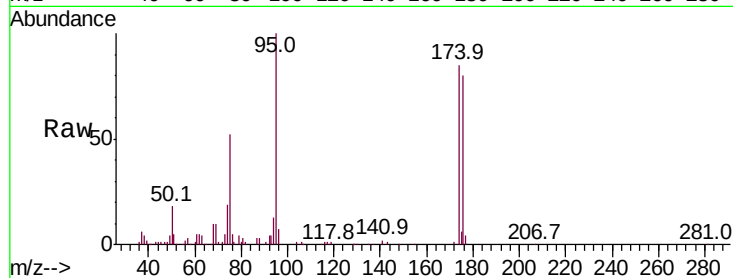




#60
4-Bromofluorobenzene
Concen: 30.041 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

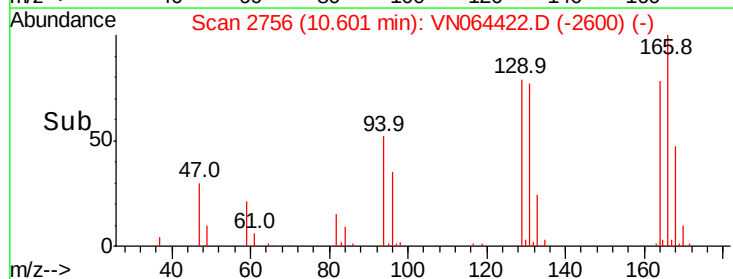
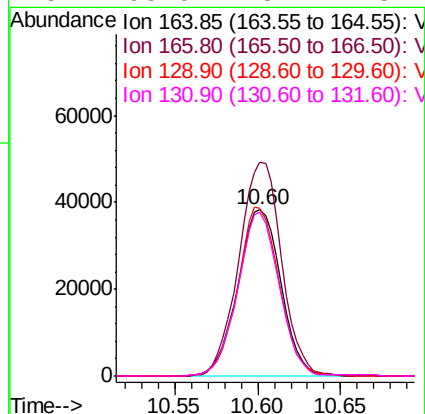
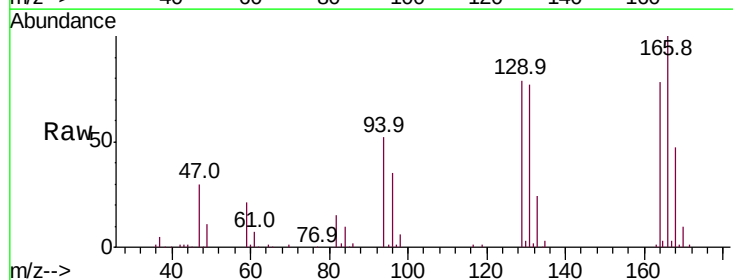
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

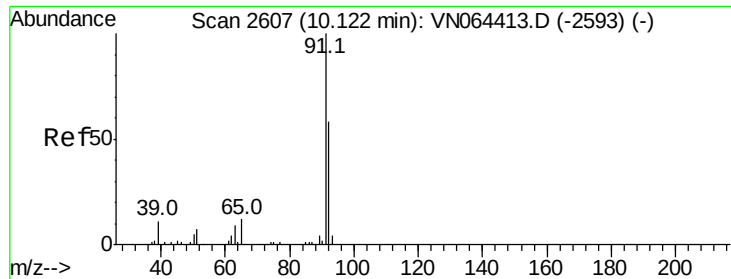
Tot Ion: 95 Resp: 136139
Ion Ratio Lower Upper
95 100
174 82.8 65.2 97.8
176 79.1 62.2 93.4



#61
Tetrachloroethene
Concen: 19.099 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion: 164 Resp: 69422
Ion Ratio Lower Upper
164 100
166 128.6 98.7 148.1
129 100.8 80.2 120.4
131 98.0 78.7 118.1





#62

Toluene

Concen: 18.602 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

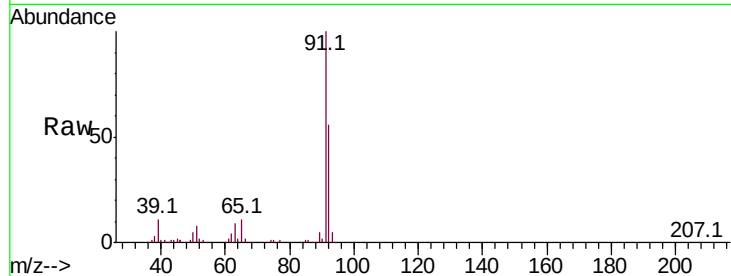
VN1102WBSD01

Tot Ion: 91 Resp: 279391

Ion Ratio Lower Upper

91 100

92 56.3 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-2593) (-)

Ion 92.00 (91.70 to 92.70): VN064413.D (-2593) (-)

10.12

150000

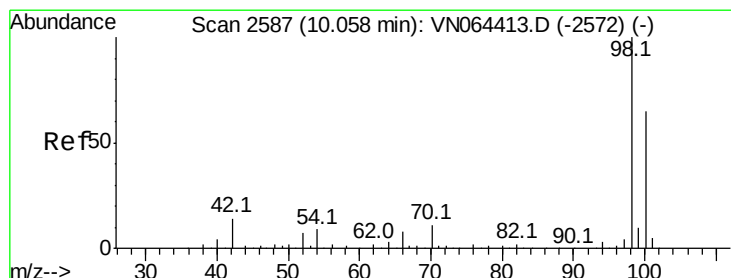
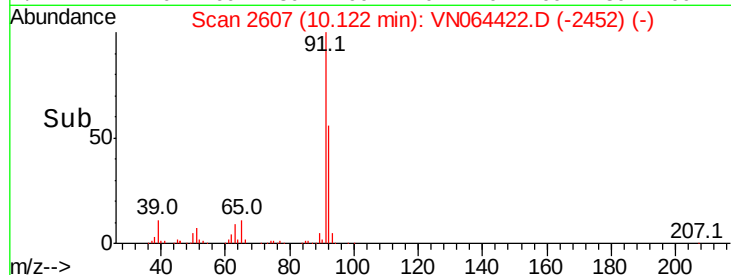
100000

50000

0

10.05 10.10 10.15 10.20

Time-->



#63

Toluene-d8

Concen: 31.055 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064422.D

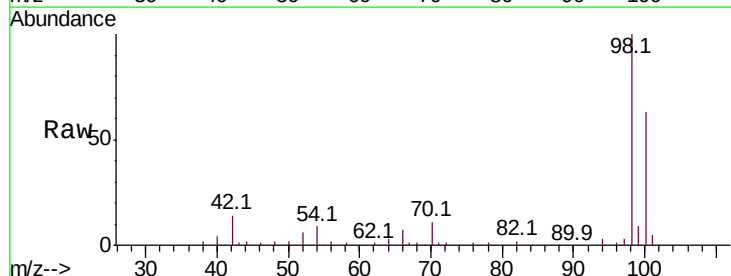
Acq: 2 Nov 2020 18:24

Tgt Ion: 98 Resp: 371335

Ion Ratio Lower Upper

98 100

100 63.3 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

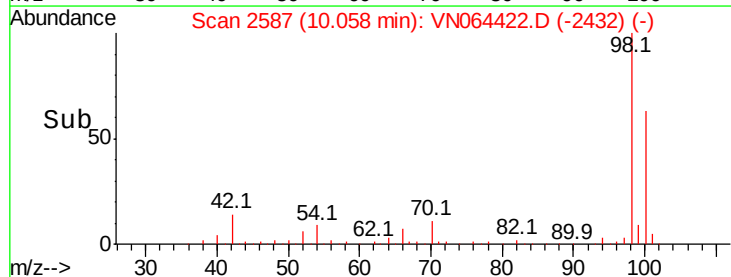
100000

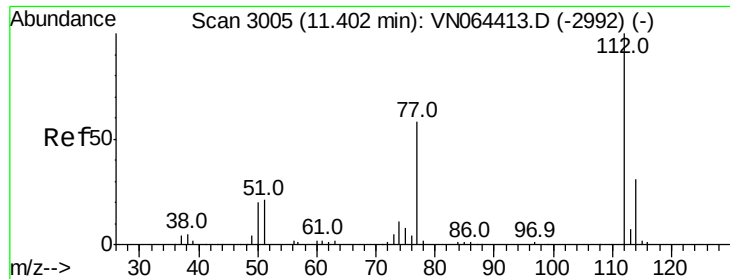
50000

0

10.00 10.05 10.10

Time-->

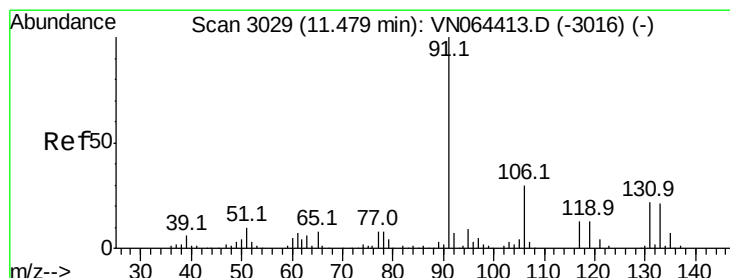
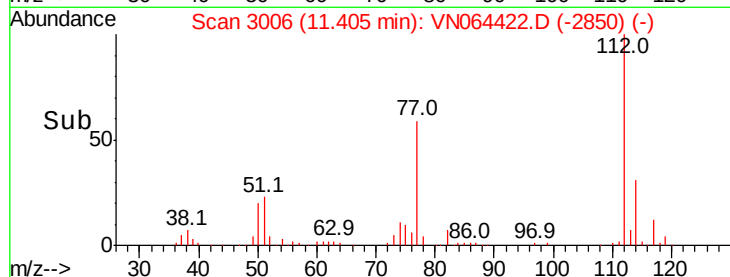
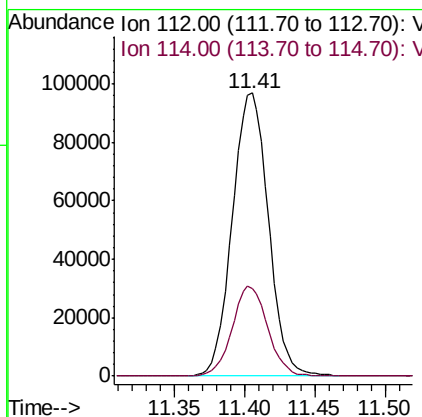
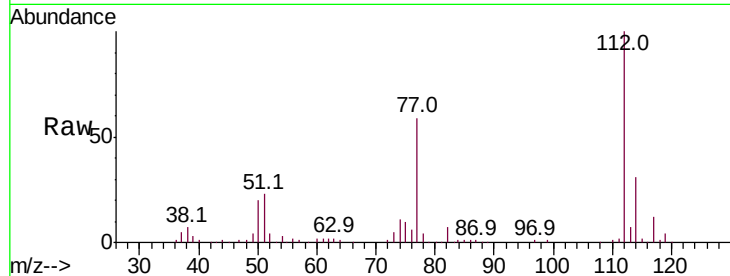




#64
Chlorobenzene
Concen: 18.510 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

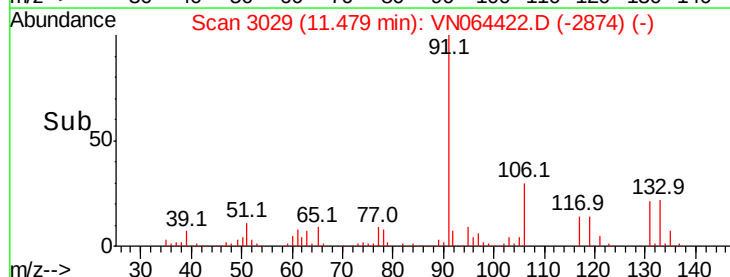
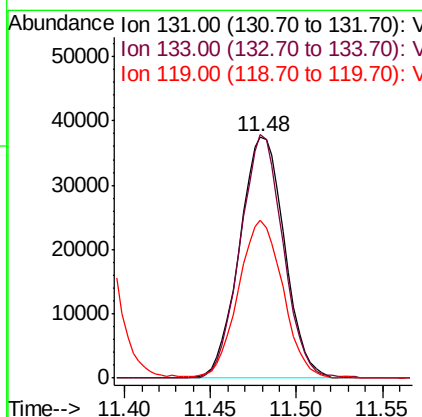
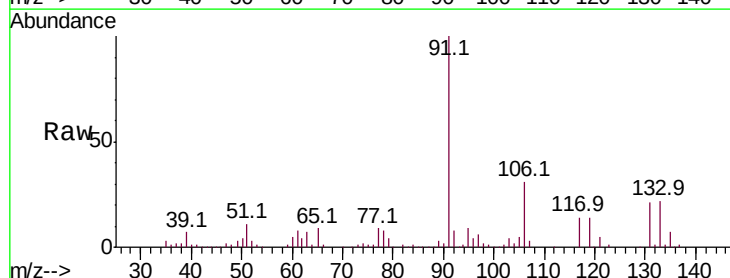
Instrument :
MSVOA_N
ClientSampled :
VN1102WBSD01

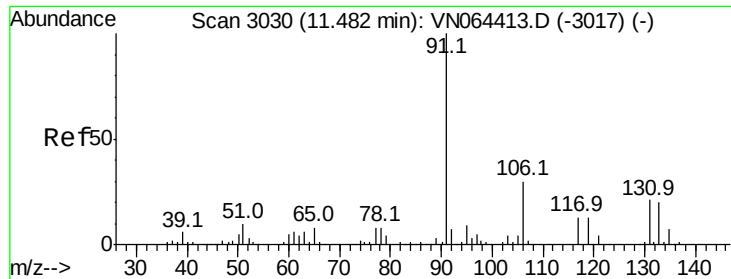
Tot Ion:112 Resp: 174042
Ion Ratio Lower Upper
112 100
114 31.1 24.8 37.2



#65
1,1,1,2-Tetrachloroethane
Concen: 18.596 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion:131 Resp: 67932
Ion Ratio Lower Upper
131 100
133 96.3 0.0 191.2
119 64.8 0.0 125.6





#66

Ethyl Benzene

Concen: 18.379 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampled :

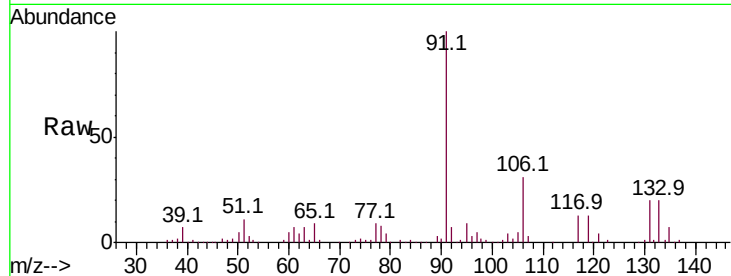
VN1102WBSD01

Tot Ion: 91 Resp: 304596

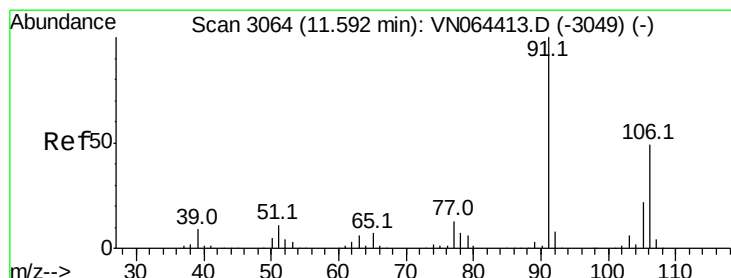
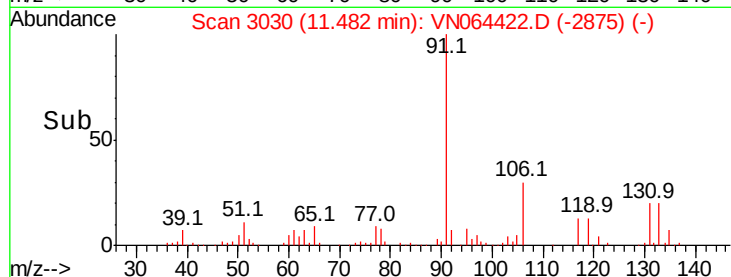
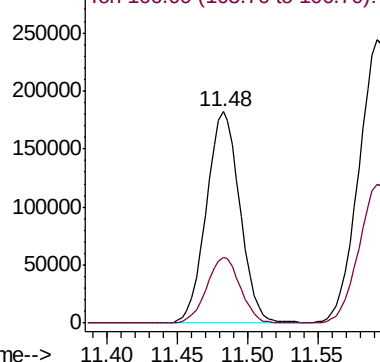
Ion Ratio Lower Upper

91 100

106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-3017) (-)



#67

m/p-Xylenes

Concen: 36.977 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064422.D

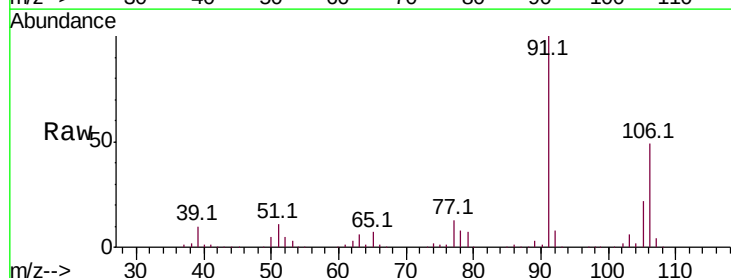
Acq: 2 Nov 2020 18:24

Tgt Ion: 106 Resp: 230504

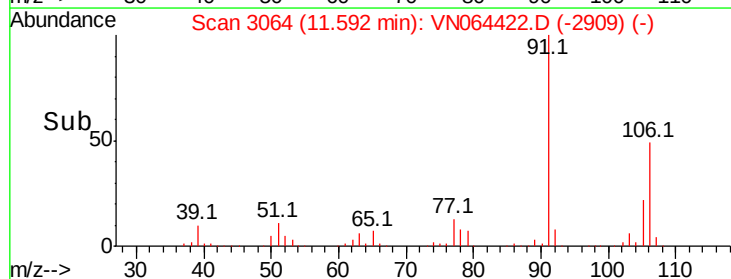
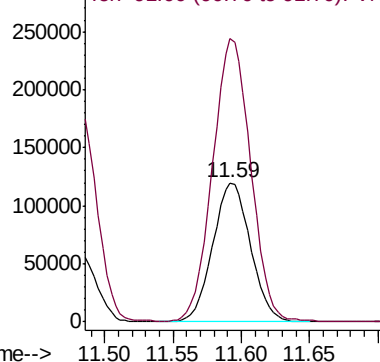
Ion Ratio Lower Upper

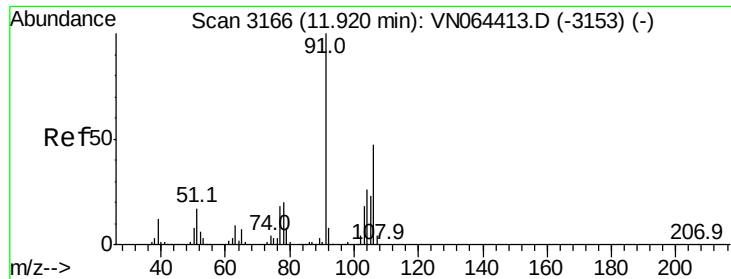
106 100

91 204.1 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): VN064413.D (-3049) (-)

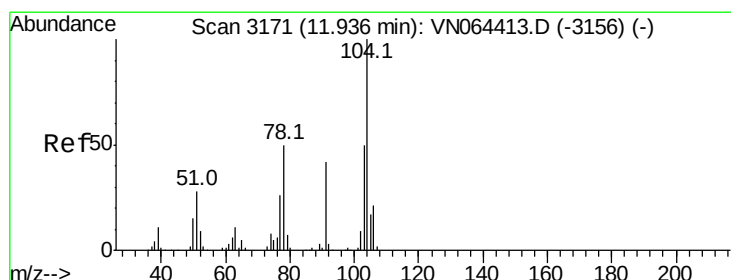
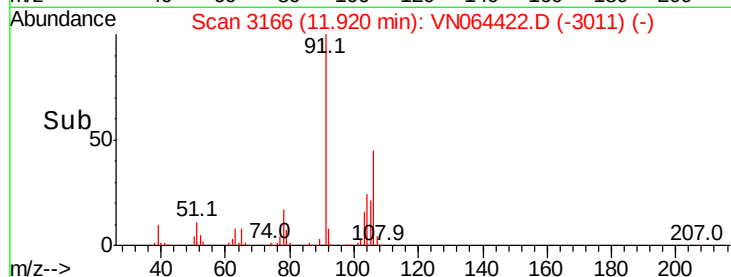
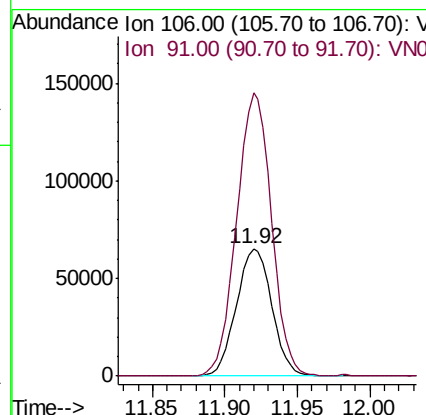
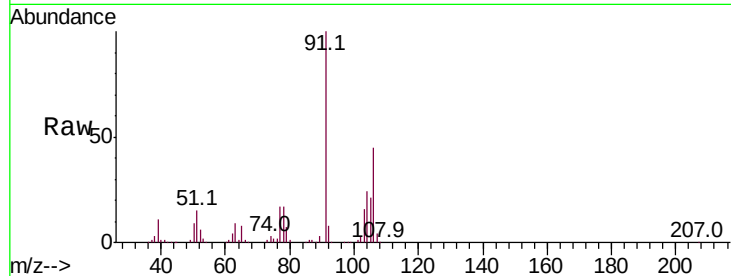




#68
o-Xylene
Concen: 18.540 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

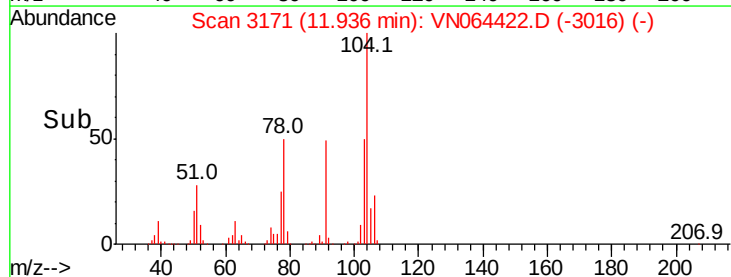
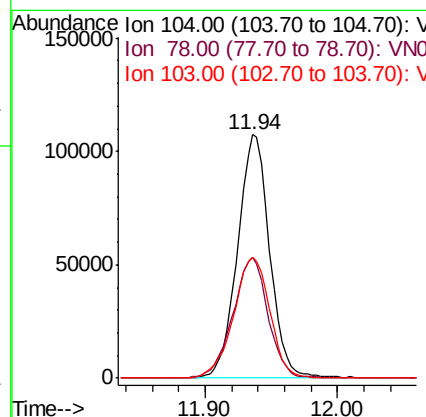
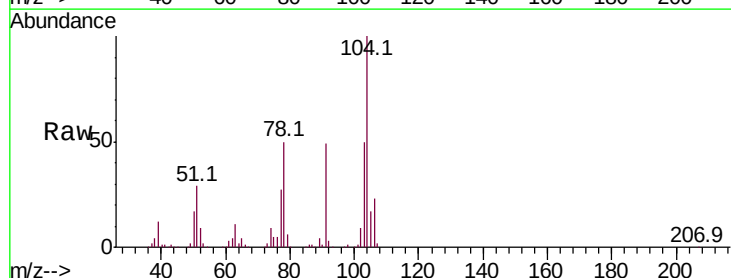
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBSD01

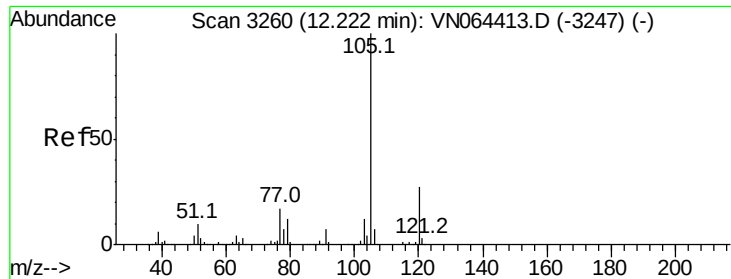
Tot Ion:106 Resp: 111376
Ion Ratio Lower Upper
106 100
91 217.9 106.7 320.1



#69
Styrene
Concen: 18.005 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064422.D
Acq: 2 Nov 2020 18:24

Tgt Ion:104 Resp: 180347
Ion Ratio Lower Upper
104 100
78 54.3 44.3 66.5
103 56.1 43.5 65.3





#70

Isopropylbenzene

Concen: 18.523 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

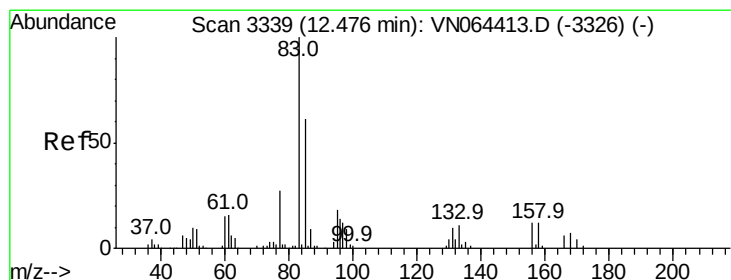
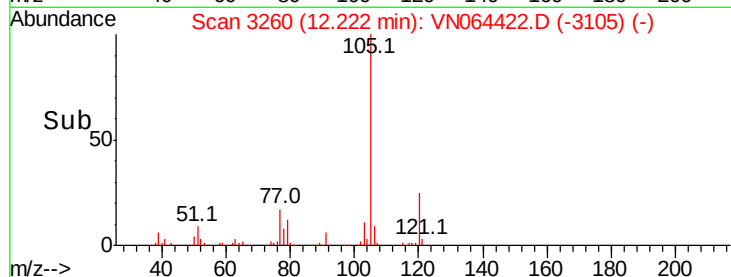
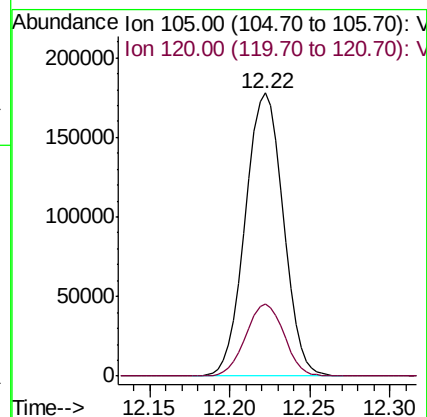
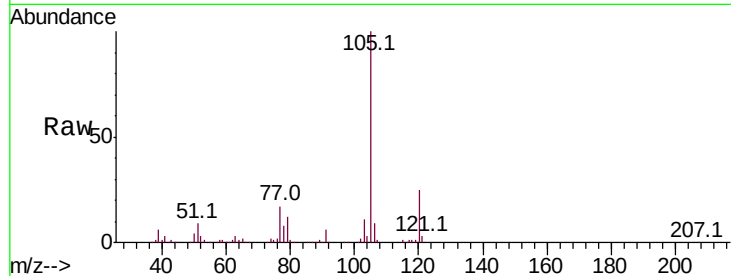
VN1102WBSD01

Tot Ion:105 Resp: 287867

Ion Ratio Lower Upper

105 100

120 25.6 18.0 33.4



#71

1,1,2,2-Tetrachloroethane

Concen: 18.761 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

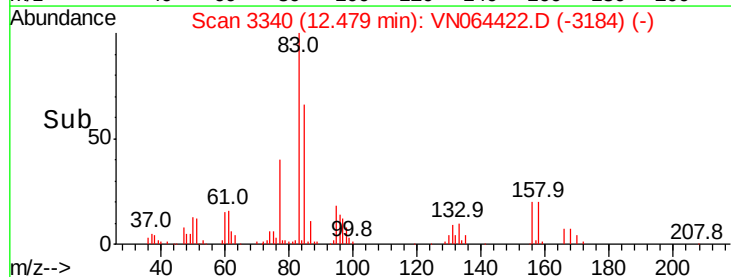
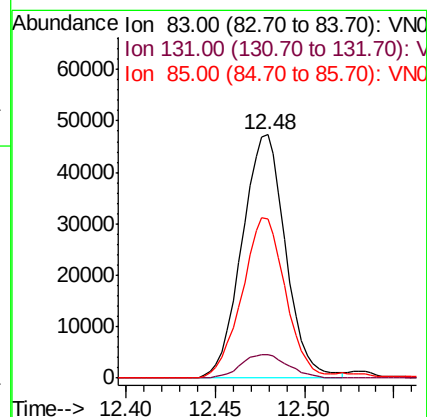
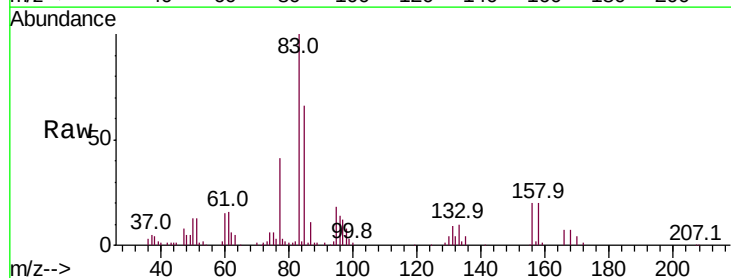
Tgt Ion: 83 Resp: 81081

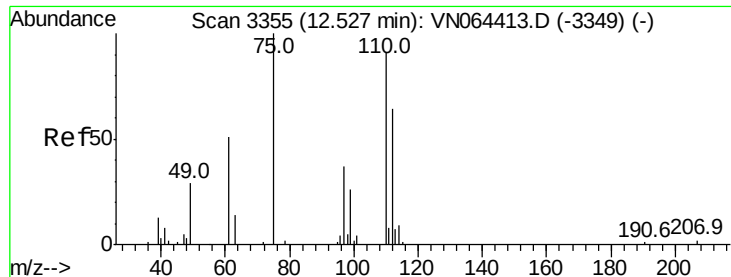
Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

85 65.5 30.9 92.7





#72

1,2,3-Trichloropropane

Concen: 26.369 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

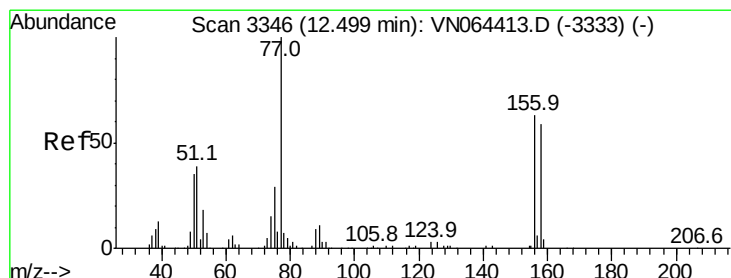
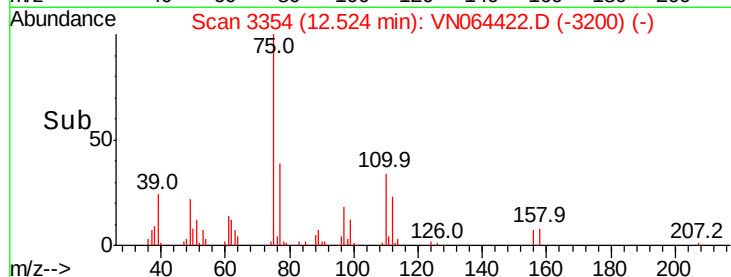
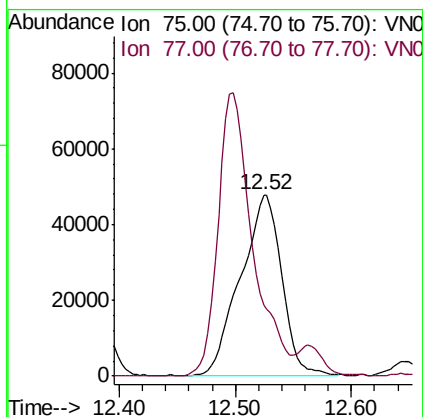
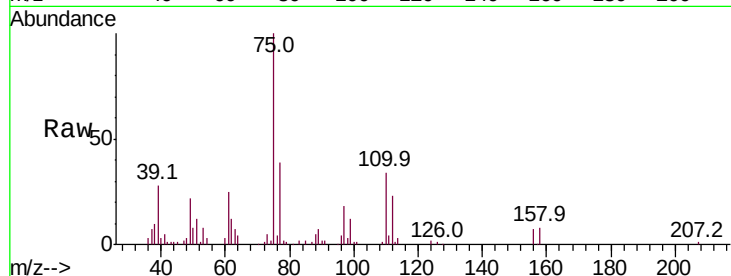
VN1102WBSD01

Tot Ion: 75 Resp: 118985

Ion Ratio Lower Upper

75 100

77 130.7 0.0 374.2



#73

Bromobenzene

Concen: 18.329 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

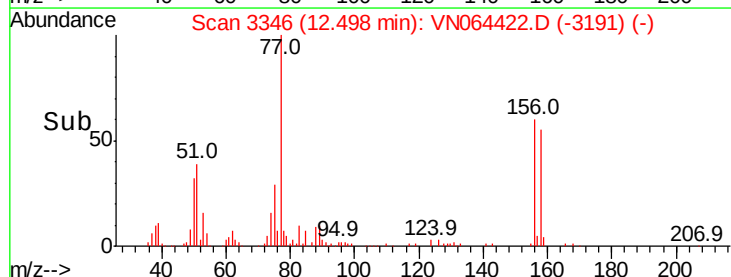
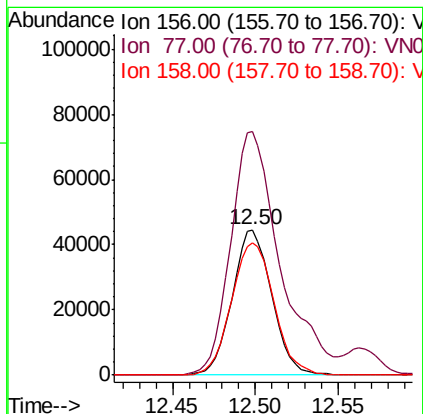
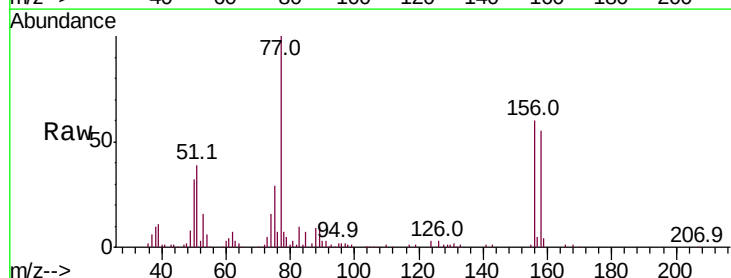
Tgt Ion: 156 Resp: 73911

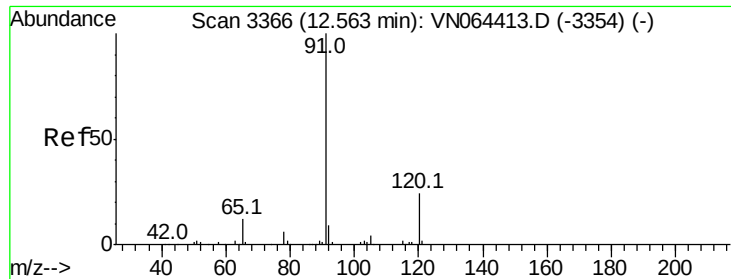
Ion Ratio Lower Upper

156 100

77 210.3 0.0 409.4

158 97.8 0.0 192.0





#74

n-propylbenzene

Concen: 18.028 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampled :

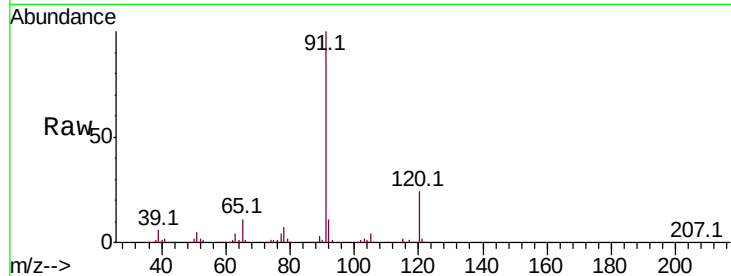
VN1102WBSD01

Tot Ion: 91 Resp: 307216

Ion Ratio Lower Upper

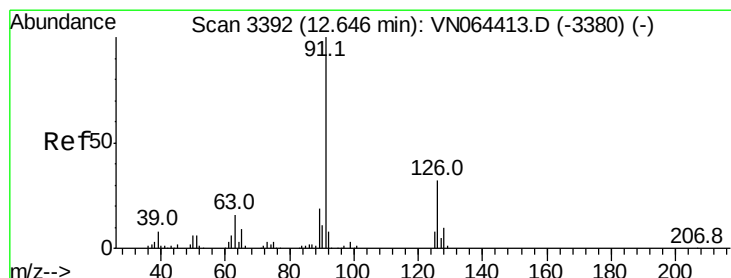
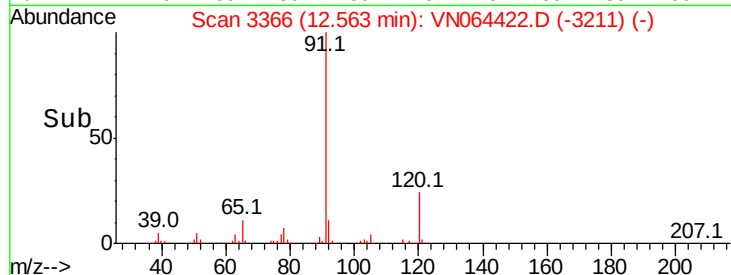
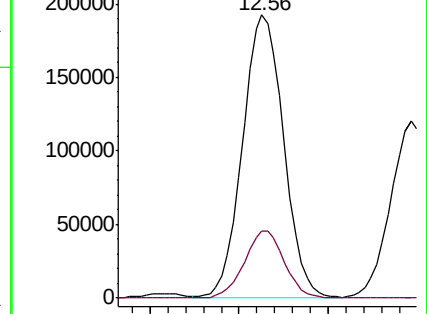
91 100

120 23.2 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: 18.202 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064422.D

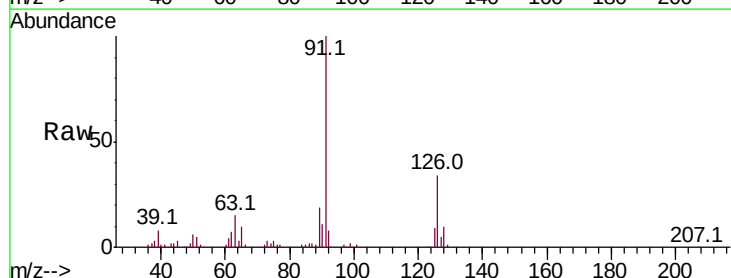
Acq: 2 Nov 2020 18:24

Tgt Ion: 91 Resp: 196491

Ion Ratio Lower Upper

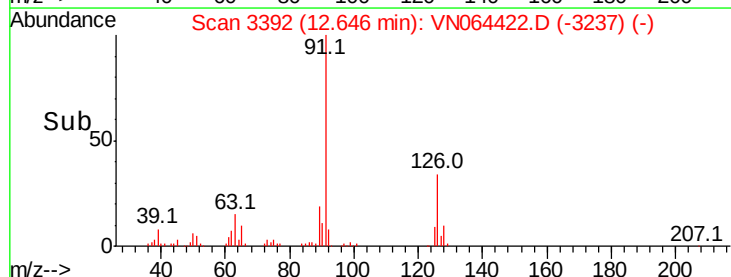
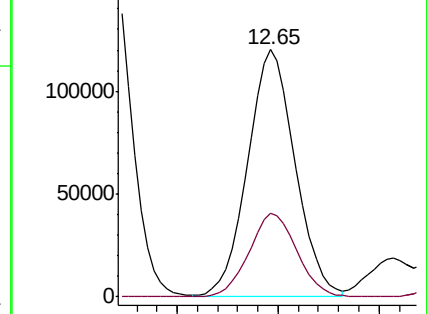
91 100

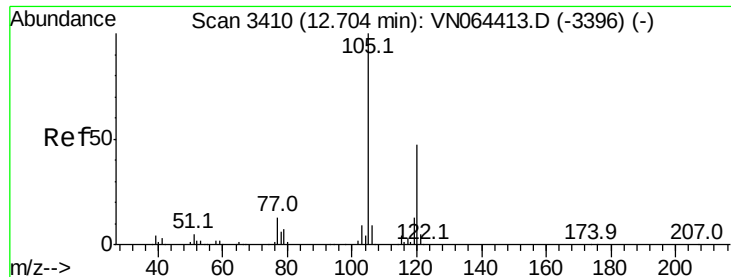
126 34.4 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 18.475 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

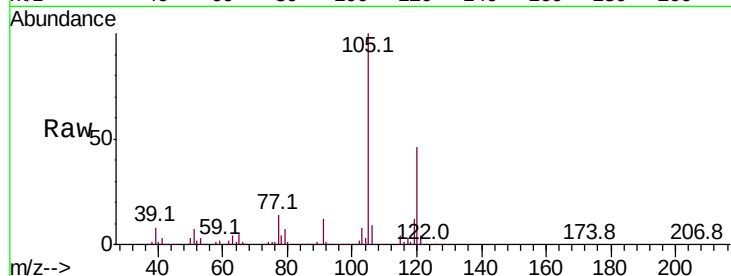
VN1102WBSD01

Tot Ion:105 Resp: 236517

Ion Ratio Lower Upper

105 100

120 46.6 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

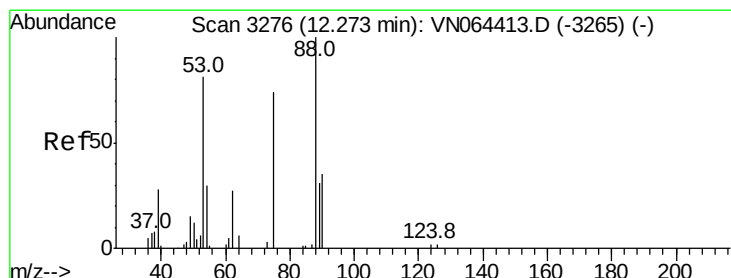
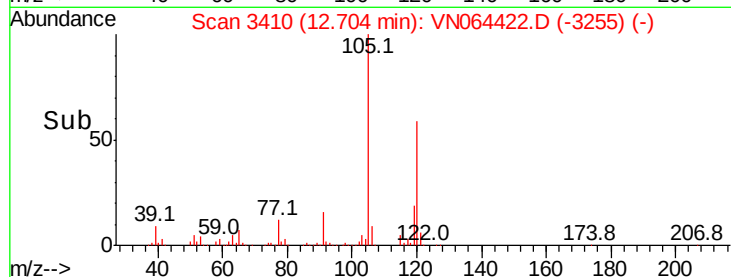
100000

50000

0

12.65 12.70 12.75

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 17.282 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

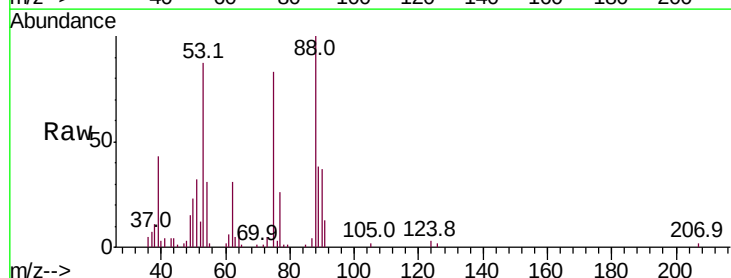
Tgt Ion: 75 Resp: 27491

Ion Ratio Lower Upper

75 100

53 105.0 54.1 162.4

89 46.3 23.1 69.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

20000

15000

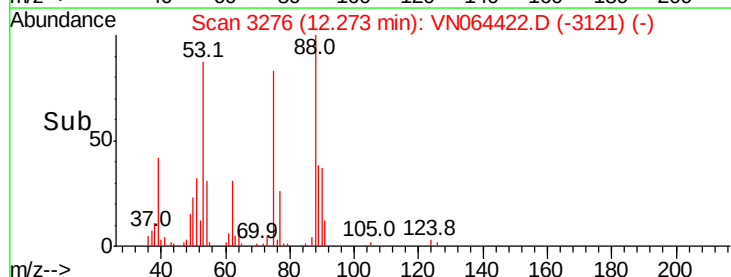
10000

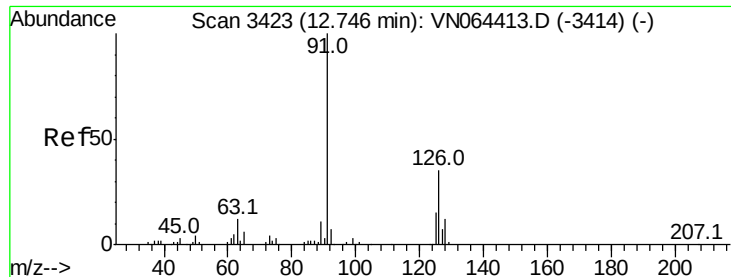
5000

0

12.25 12.30

Time-->





#78

4-Chlorotoluene

Concen: 18.161 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

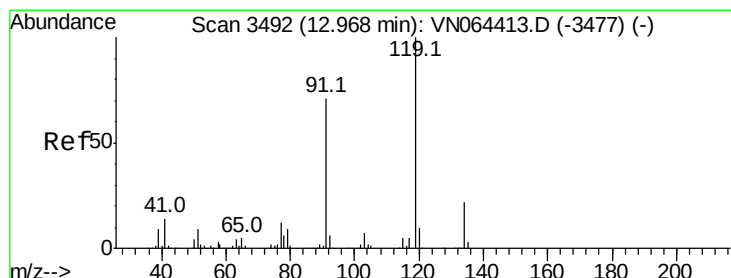
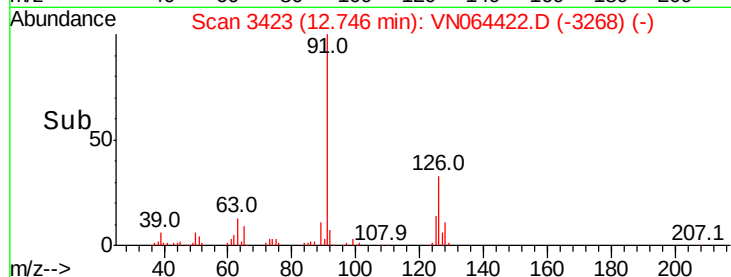
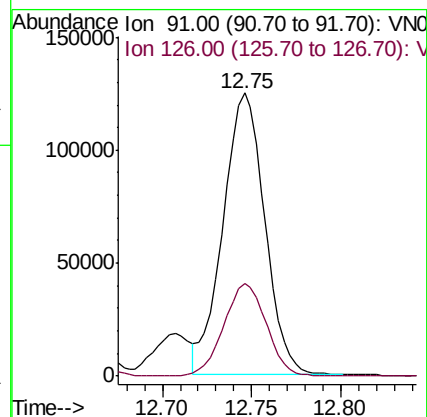
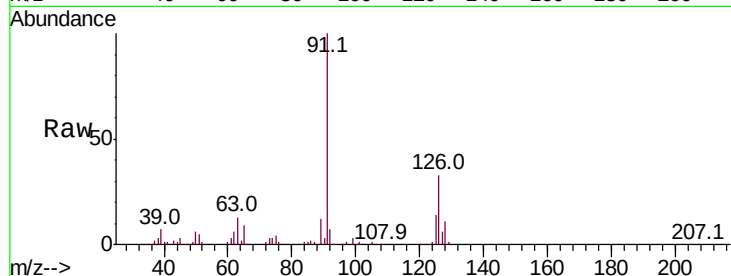
VN1102WBSD01

Tot Ion: 91 Resp: 202548

Ion Ratio Lower Upper

91 100

126 33.7 0.0 63.2



#79

tert-butylbenzene

Concen: 18.492 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

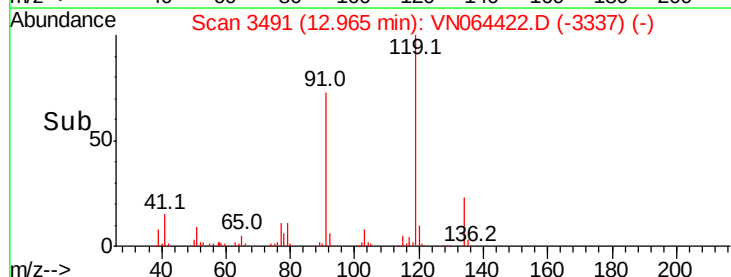
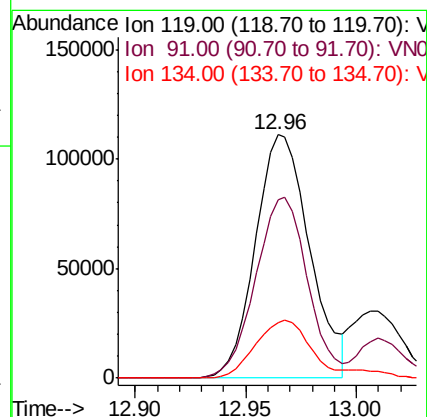
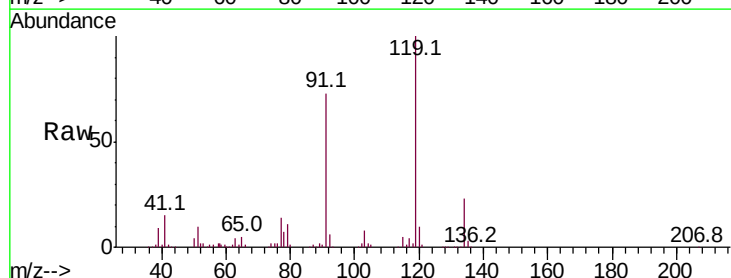
Tgt Ion: 119 Resp: 189348

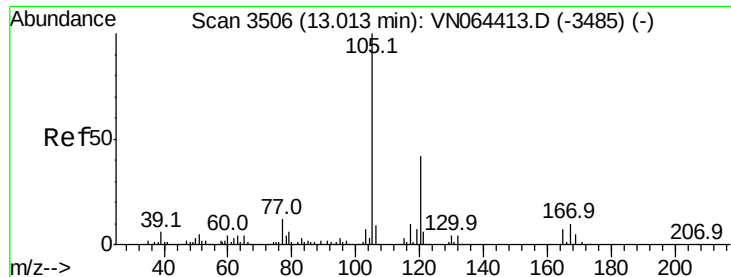
Ion Ratio Lower Upper

119 100

91 71.2 0.0 140.4

134 24.6 0.0 46.2

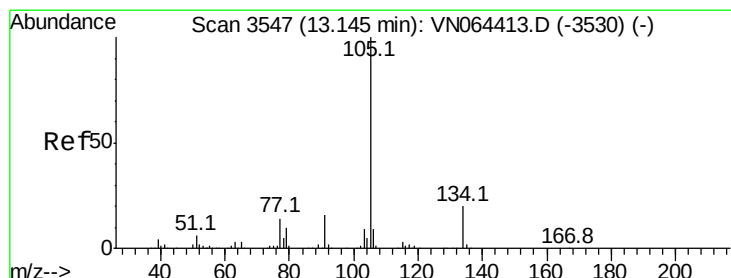
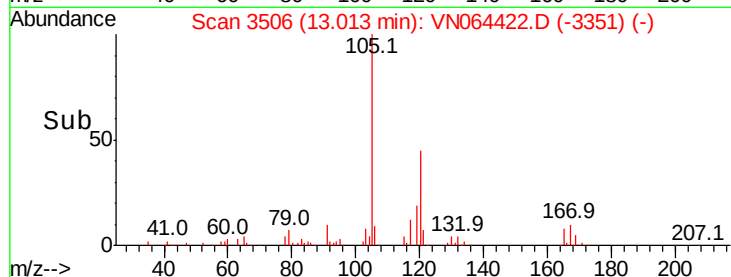
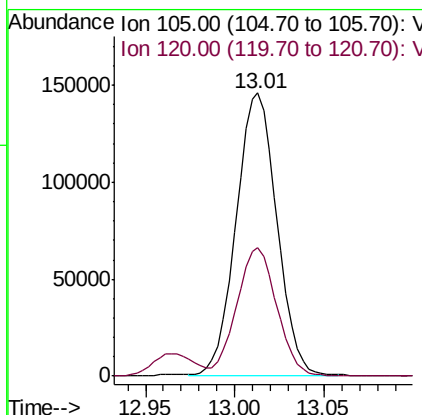
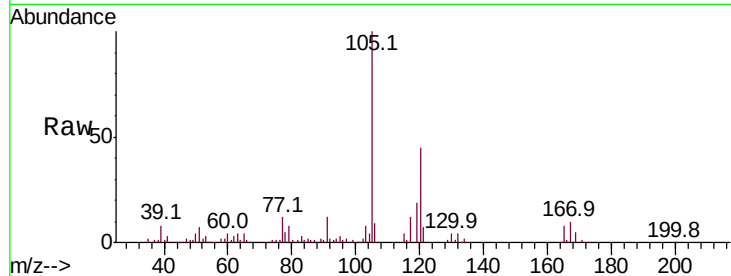




#80
 1,2,4-Trimethylbenzene
 Concen: 17.947 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

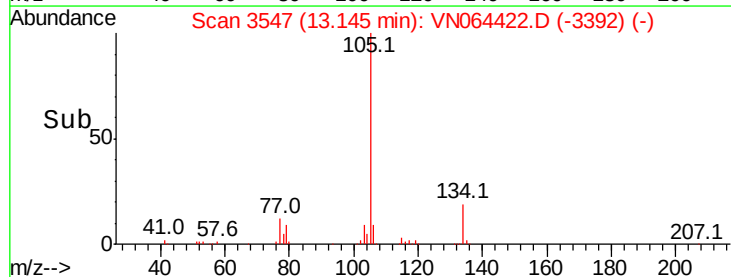
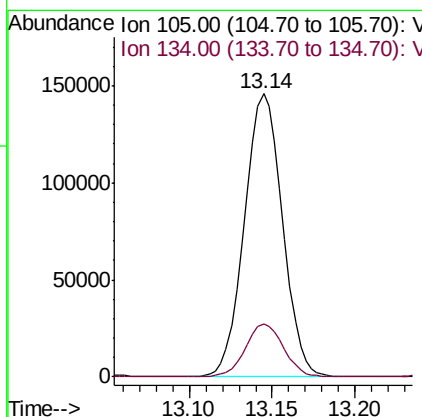
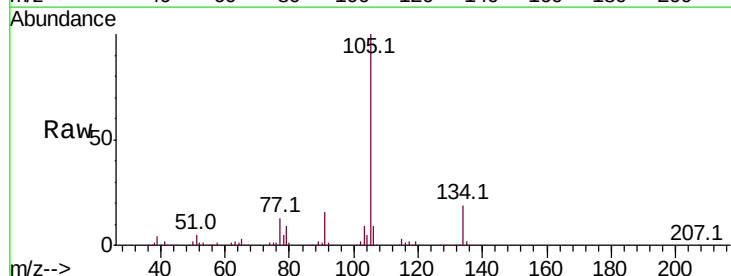
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

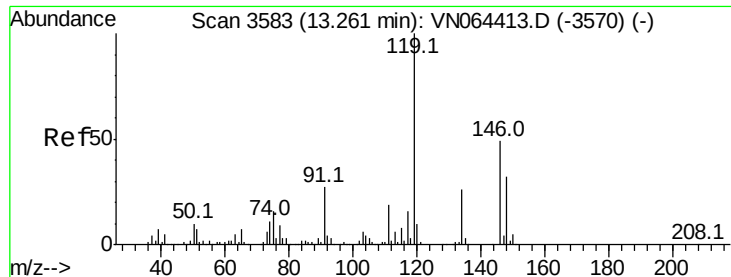
Tot Ion:105 Resp: 232798
 Ion Ratio Lower Upper
 105 100
 120 44.8 0.0 88.0



#81
 sec-Butylbenzene
 Concen: 17.933 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion:105 Resp: 231614
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 39.2

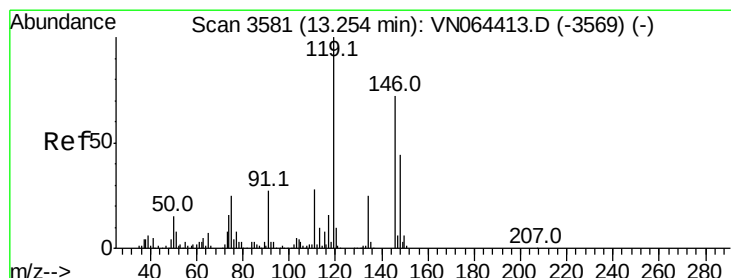
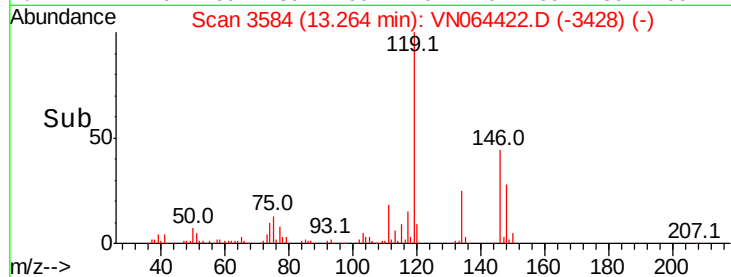
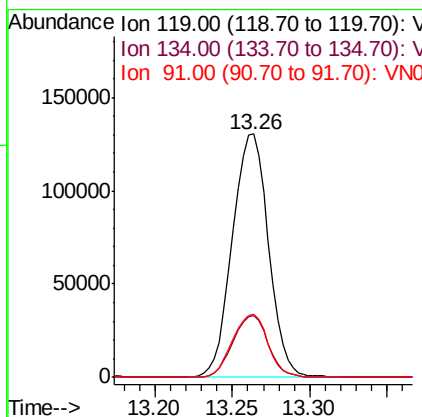
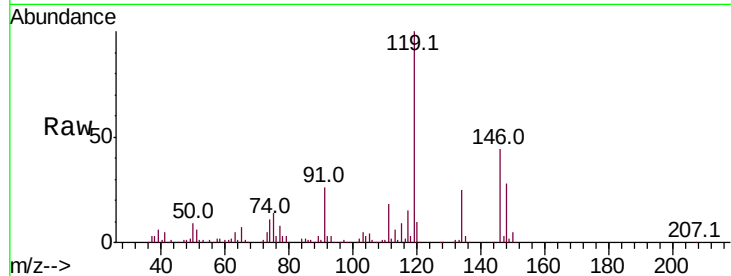




#82
 p-Isopropyltoluene
 Concen: 17.879 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

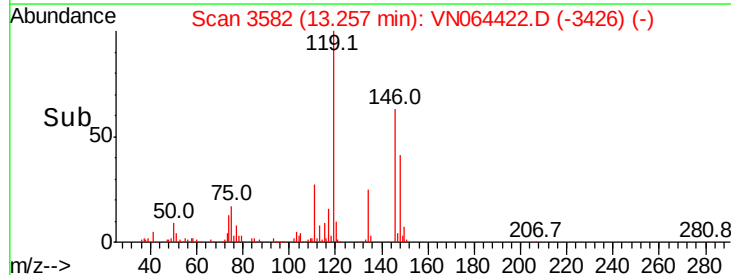
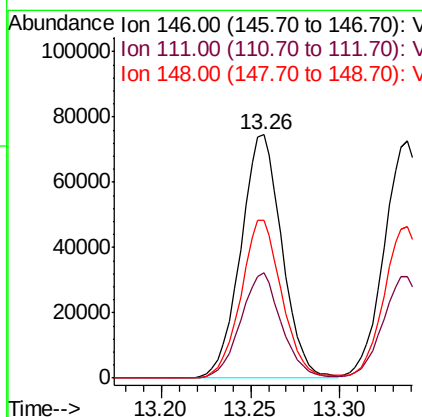
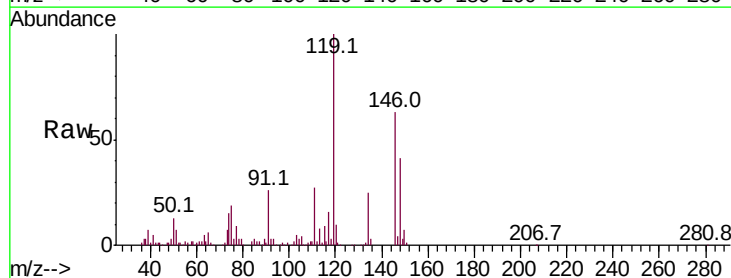
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

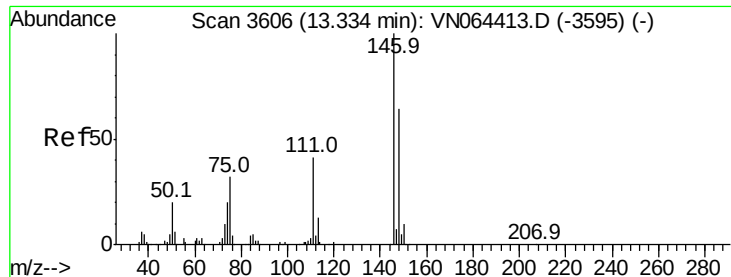
Tot Ion:119 Resp: 212189
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 51.0
 91 25.5 0.0 51.4



#83
 1,3-Dichlorobenzene
 Concen: 17.588 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion:146 Resp: 120490
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.5 61.6
 148 63.9 31.9 95.5

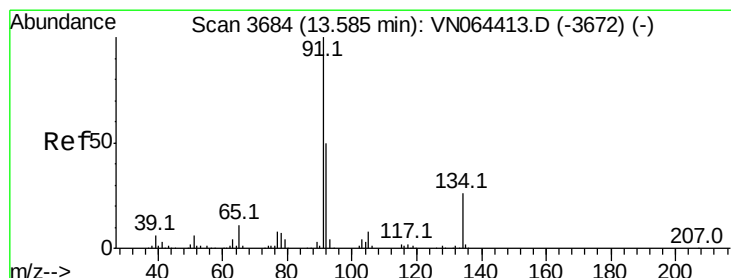
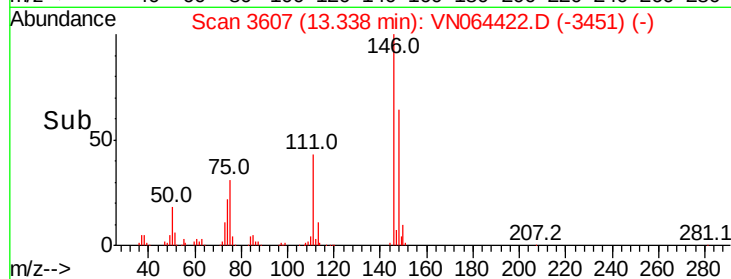
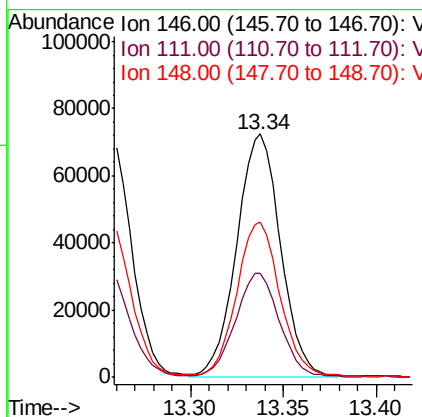
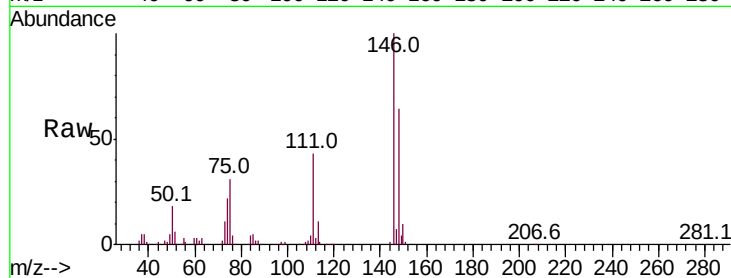




#84
 1,4-Dichlorobenzene
 Concen: 17.281 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

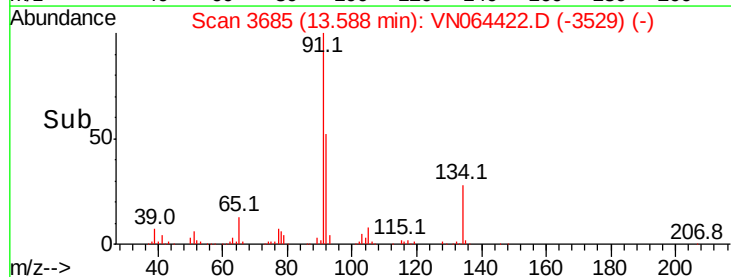
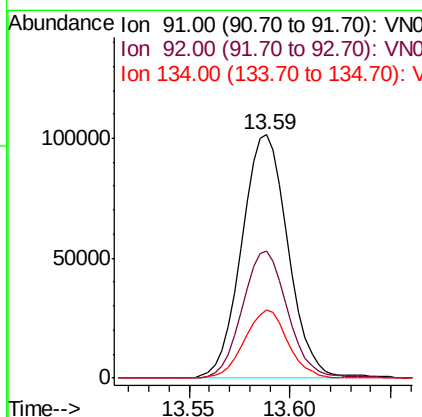
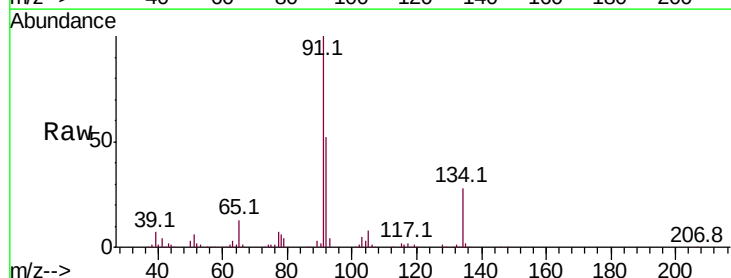
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

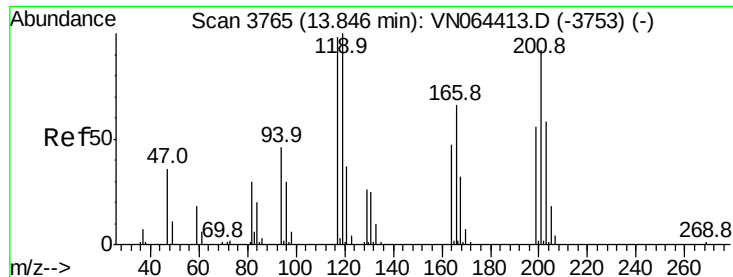
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.9	59.6
148	60.8	31.9	95.5



#85
 n-Butylbenzene
 Concen: 17.217 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	99.4
134	26.3	0.0	50.0





#86

Hexachloroethane

Concen: 18.171 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

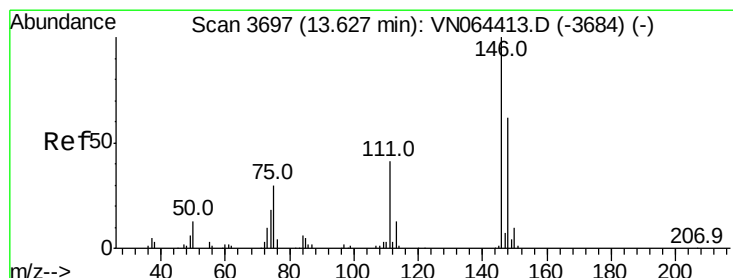
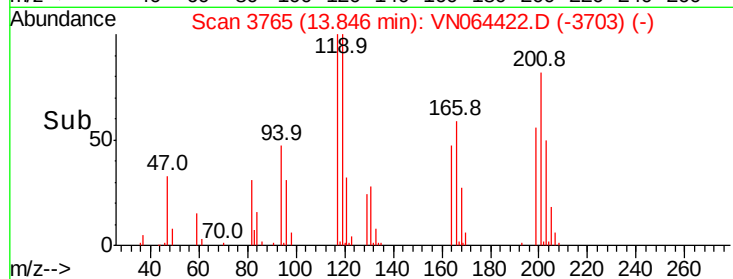
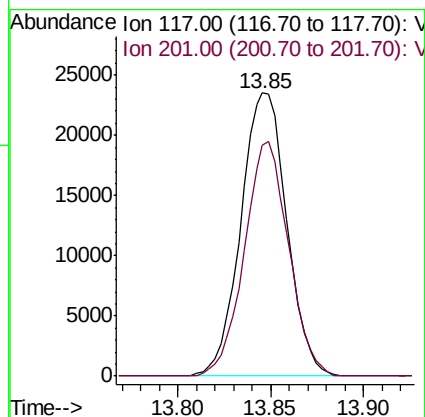
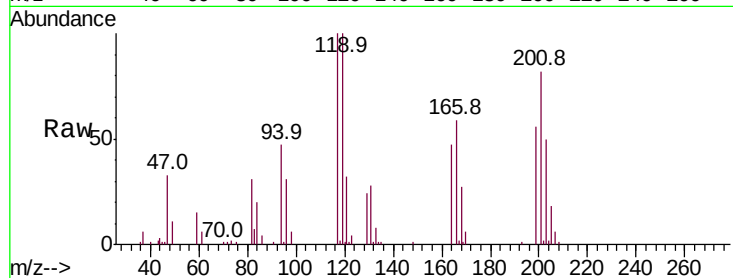
VN1102WBSD01

Tot Ion:117 Resp: 40440

Ion Ratio Lower Upper

117 100

201 79.8 42.7 128.1



#87

1,2-Dichlorobenzene

Concen: 18.747 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

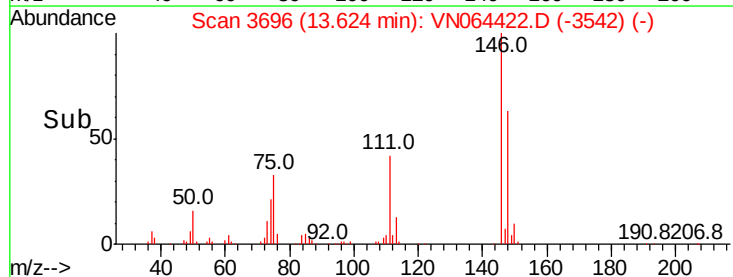
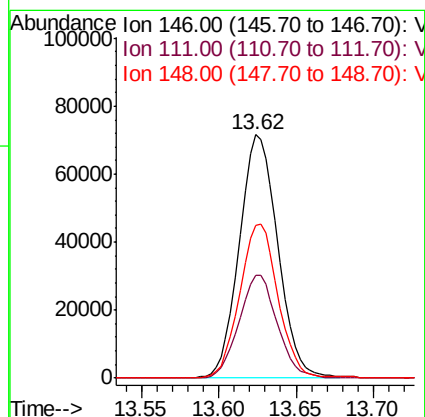
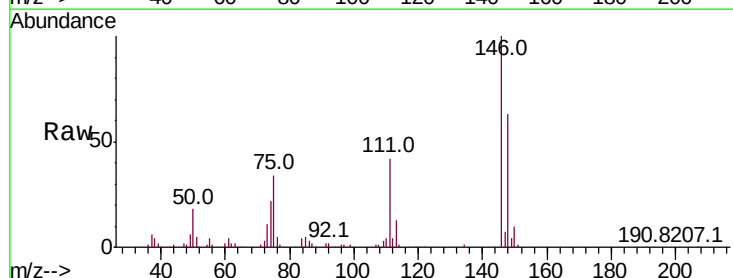
Tgt Ion:146 Resp: 123993

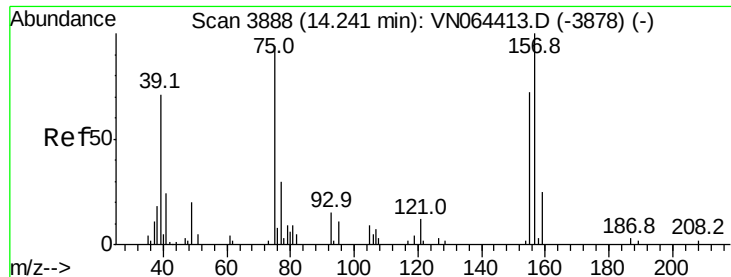
Ion Ratio Lower Upper

146 100

111 41.7 21.3 64.0

148 63.1 31.7 95.1





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.377 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

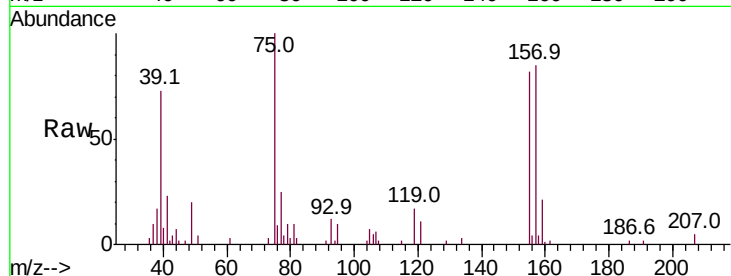
Tot Ion: 75 Resp: 18039

Ion Ratio Lower Upper

75 100

155 77.1 66.2 99.2

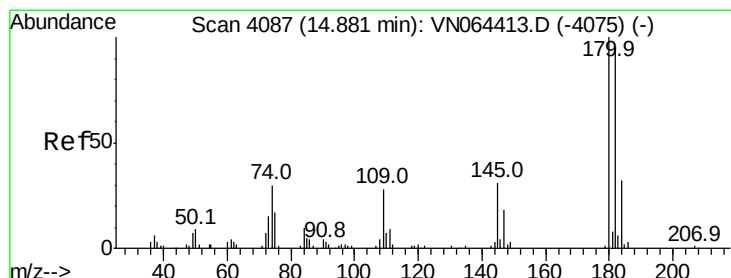
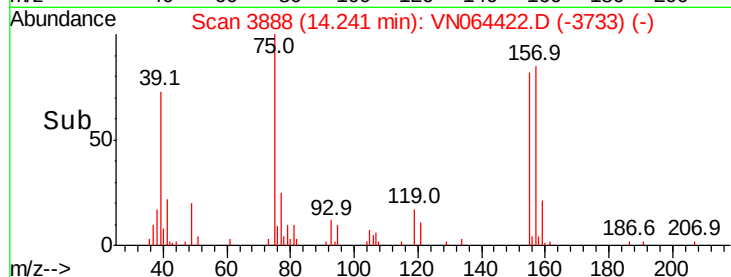
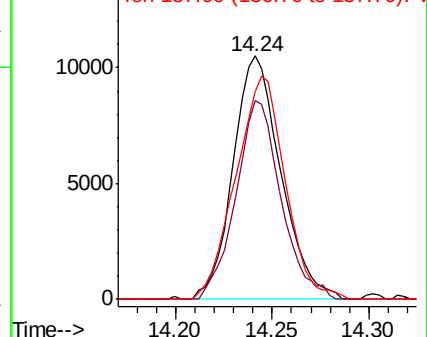
157 95.1 82.7 124.1



Abundance Ion 75.00 (74.70 to 75.70): VN064413.D (-3878) (-)

Ion 155.00 (154.70 to 155.70): VN064413.D (-3878) (-)

Ion 157.00 (156.70 to 157.70): VN064413.D (-3878) (-)



#89

1,2,4-Trichlorobenzene

Concen: 16.304 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

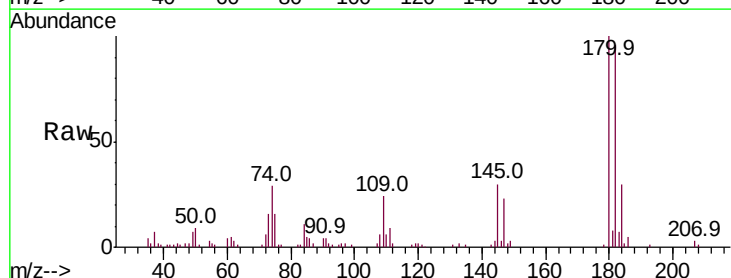
Tgt Ion: 180 Resp: 52731

Ion Ratio Lower Upper

180 100

182 96.3 72.6 108.8

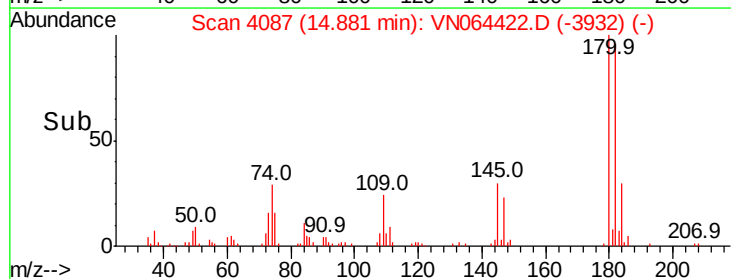
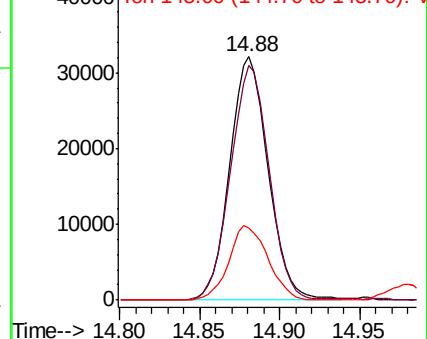
145 31.0 24.3 36.5

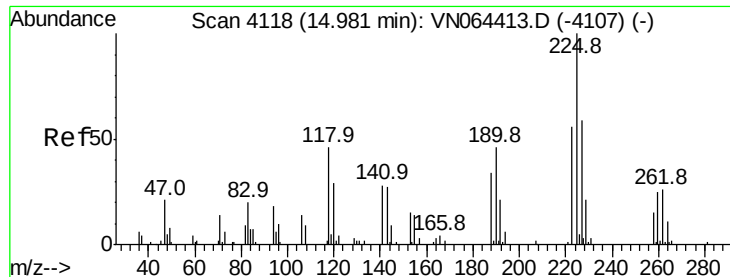


Abundance Ion 180.00 (179.70 to 180.70): VN064413.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064413.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064413.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 17.878 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBSD01

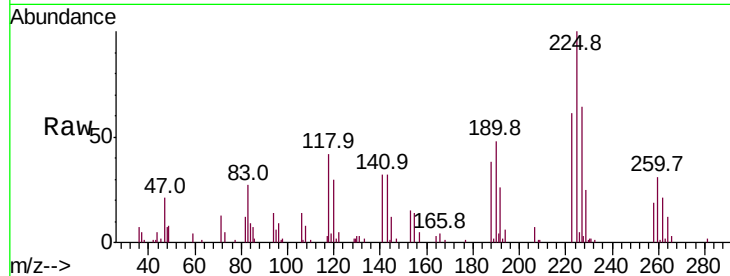
Tot Ion:225 Resp: 30775

Ion Ratio Lower Upper

225 100

223 60.5 0.0 125.6

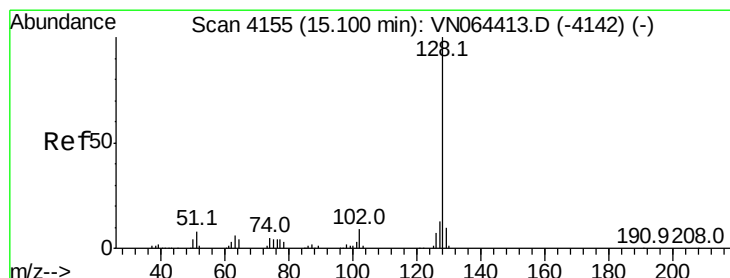
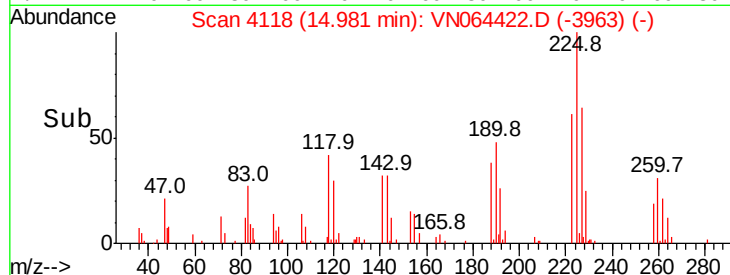
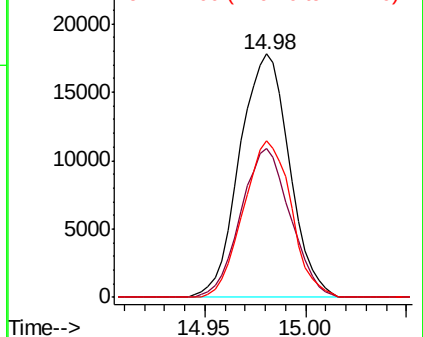
227 61.8 0.0 121.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 16.382 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064422.D

Acq: 2 Nov 2020 18:24

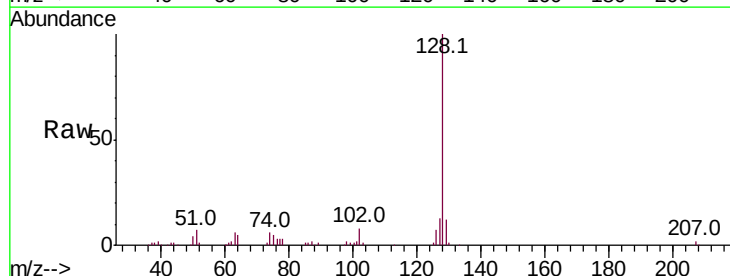
Tgt Ion:128 Resp: 157402

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

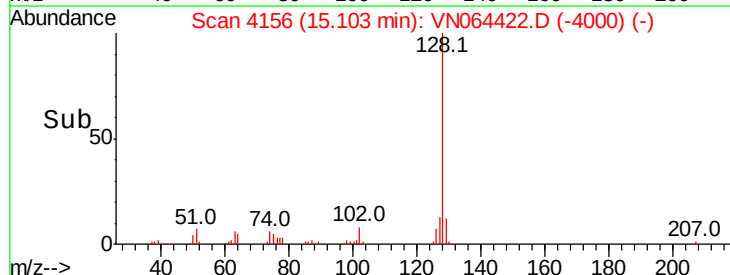
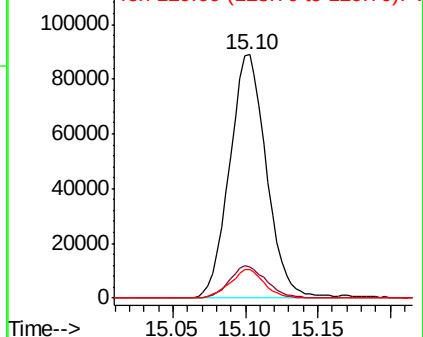
129 11.1 8.6 13.0

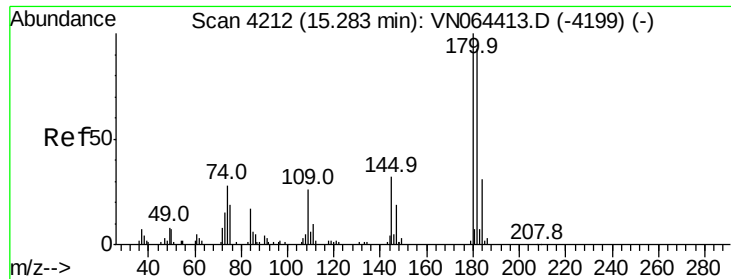


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

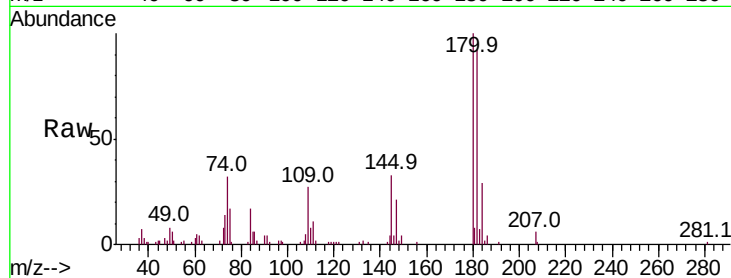




#92
 1,2,3-Trichlorobenzene
 Concen: 16.138 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN064422.D
 Acq: 2 Nov 2020 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

Tot Ion:180 Resp: 51612
 Ion Ratio Lower Upper
 180 100
 182 94.8 0.0 191.4
 145 32.8 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

