

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064417.D
 Acq On : 2 Nov 2020 16:15
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Quant Time: Nov 02 17:02:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	62167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	342745	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	305212	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	152462	30.04	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.13%
60) 4-Bromofluorobenzene	12.37	95	157037	30.44	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.47%
63) Toluene-d8	10.06	98	413361	30.37	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	75365	18.849 ug/l	97
3) Chloromethane	2.04	50	78158	18.923 ug/l	97
4) Vinyl Chloride	2.16	62	77097	18.091 ug/l	96
5) Bromomethane	2.53	94	53675	19.298 ug/l	93
6) Chloroethane	2.68	64	44166	17.760 ug/l	89
7) Trichlorofluoromethane	2.99	101	131652	18.648 ug/l	98
8) Diethyl Ether	3.38	74	40866	18.868 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	66825	19.019 ug/l	79
10) 1,1-Dichloroethene	3.70	96	62052	18.451 ug/l	94
11) Methyl Iodide	3.91	142	74906	16.593 ug/l	98
12) Methyl Acetate	4.28	43	65365	18.573 ug/l	93
13) Acrolein	3.57	56	30254	89.060 ug/l	92
14) Acrylonitrile	4.92	53	143234	90.458 ug/l	92
15) Acetone	3.77	58	43539	79.357 ug/l	92
16) Carbon Disulfide	4.01	76	175448	18.382 ug/l	97
17) Allyl chloride	4.28	41	103318	17.515 ug/l	96
18) Methylene Chloride	4.51	84	71757	18.440 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	68426	18.485 ug/l	85
20) Diisopropyl ether	5.90	45	230192	18.236 ug/l	94
21) 1,1-Dichloroethane	5.80	63	129909	18.247 ug/l	99
22) cis-1,2-Dichloroethene	6.79	96	79757	18.183 ug/l	97
23) tert-Butyl Alcohol	4.73	59	57302	95.296 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	218078	18.120 ug/l	# 65
25) Chloroform	7.33	83	136369	17.883 ug/l	93
26) Cyclohexane	7.61	56	103165	18.296 ug/l	# 97
29) 1,1-Dichloropropene	7.75	75	99640	18.070 ug/l	87
30) 2-Butanone	6.79	43	220491	88.075 ug/l	99
31) 2,2-Dichloropropane	6.77	77	122994	18.170 ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	132648	18.351 ug/l	# 87
33) Carbon Tetrachloride	7.73	117	119741	18.388 ug/l	96
34) Benzene	8.00	78	284002	18.177 ug/l	99
35) Methacrylonitrile	7.12	41	36005	14.548 ug/l	95
36) 1,2-Dichloroethane	8.08	62	118389	18.323 ug/l	100
37) Trichloroethene	8.80	130	80750	18.410 ug/l	99
38) Methylcyclohexane	9.05	83	90311	18.056 ug/l	94
39) 1,2-Dichloropropane	9.08	63	75177	18.754 ug/l	97
40) Dibromomethane	9.17	93	51500	17.727 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	111430	18.159	ug/l	99
42) Vinyl Acetate	5.84	43	976503	92.140	ug/l	100
43) Ethyl Acetate	6.88	43	93282	19.242	ug/l #	84
44) Isopropyl Acetate	8.12	43	163162	18.921	ug/l #	83
45) 1,4-Dioxane	9.16	88	24358	402.533	ug/l	89
46) Methyl methacrylate	9.16	41	78021	18.327	ug/l	98
47) n-amyl Acetate	12.04	43	133347	18.181	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	119800	17.690	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	125434	17.900	ug/l	93
50) 1,1,2-Trichloroethane	10.53	97	69793	17.892	ug/l	93
51) Ethyl methacrylate	10.40	69	101344	18.086	ug/l	95
52) 1,3-Dichloropropane	10.68	76	120415	18.306	ug/l	100
53) Dibromochloromethane	10.87	129	86081	17.966	ug/l	100
54) 1,2-Dibromoethane	10.97	107	71884	17.216	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	270586	89.845	ug/l	99
56) Bromoform	12.10	173	59077	17.481	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	453655	93.905	ug/l	100
59) 2-Hexanone	10.72	43	329098	91.527	ug/l	99
61) Tetrachloroethene	10.60	164	78827	19.052	ug/l	96
62) Toluene	10.12	91	327597	19.162	ug/l	97
64) Chlorobenzene	11.41	112	199811	18.670	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	80007	19.241	ug/l	99
66) Ethyl Benzene	11.48	91	347867	18.440	ug/l	99
67) m/p-Xylenes	11.59	106	263122	37.083	ug/l	100
68) o-Xylene	11.92	106	128173	18.745	ug/l	99
69) Styrene	11.94	104	206705	18.130	ug/l	98
70) Isopropylbenzene	12.22	105	324603	18.350	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	91884	18.679	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	132858	24.129	ug/l	62
73) Bromobenzene	12.50	156	86212	18.783	ug/l	98
74) n-propylbenzene	12.56	91	364163	18.774	ug/l	99
75) 2-Chlorotoluene	12.65	91	234741	19.104	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	275906	18.934	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	33627	18.572	ug/l	92
78) 4-Chlorotoluene	12.75	91	240161	18.918	ug/l	97
79) tert-butylbenzene	12.97	119	217542	18.665	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	269945	18.284	ug/l	98
81) sec-Butylbenzene	13.14	105	277385	18.868	ug/l	98
82) p-Isopropyltoluene	13.26	119	253574	18.771	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	144965	18.591	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	139586	17.772	ug/l	98
85) n-Butylbenzene	13.59	91	206751	19.175	ug/l	99
86) Hexachloroethane	13.85	117	46528	18.367	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	136771	18.167	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20277	19.135	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	67113	18.230	ug/l	95
90) Hexachlorobutadiene	14.98	225	38925	19.867	ug/l	97
91) Naphthalene	15.10	128	191820	17.540	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	66716	18.327	ug/l	97

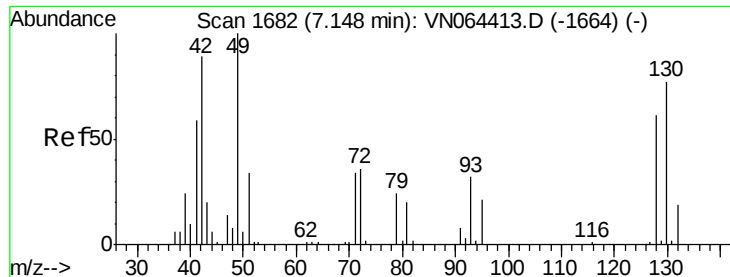
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

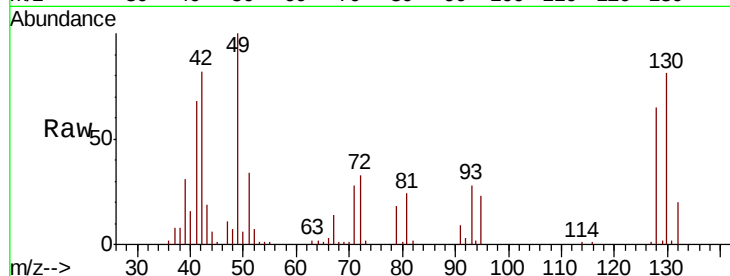
Tot Ion:128 Resp: 62167

Ion Ratio Lower Upper

128 100

49 159.0 0.0 423.5

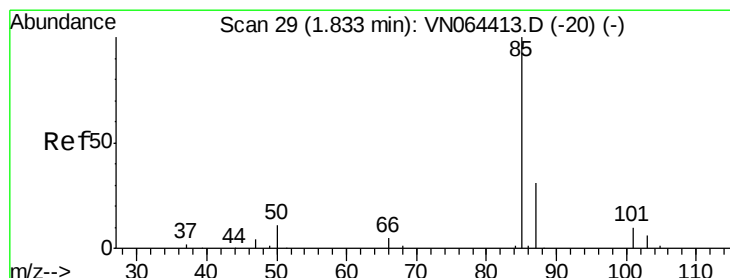
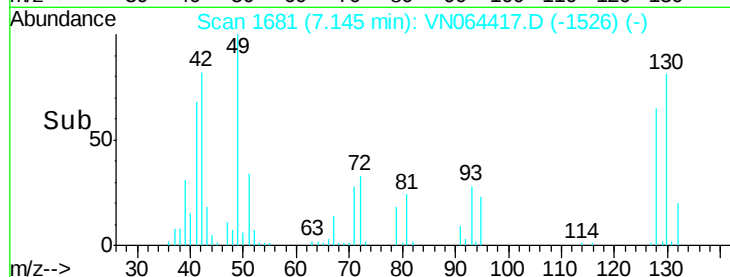
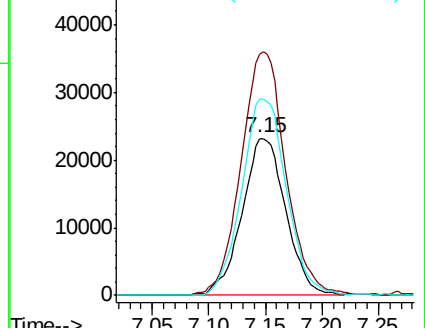
130 128.8 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.849 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064417.D

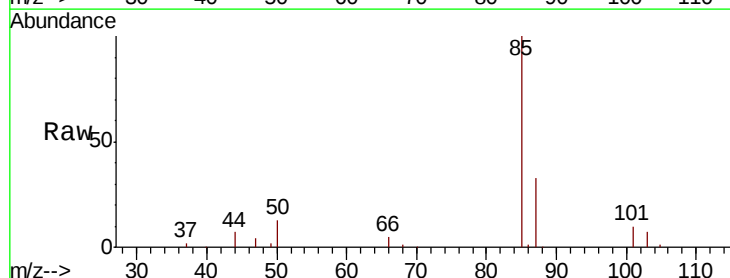
Acq: 2 Nov 2020 16:15

Tgt Ion: 85 Resp: 75365

Ion Ratio Lower Upper

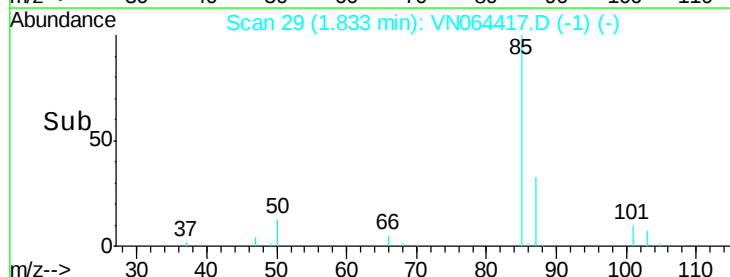
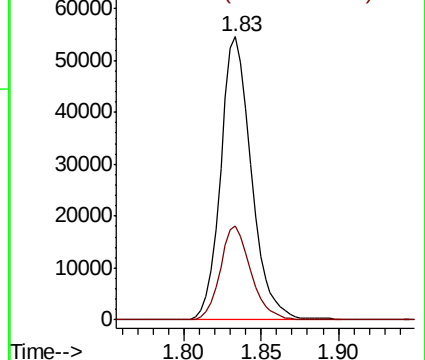
85 100

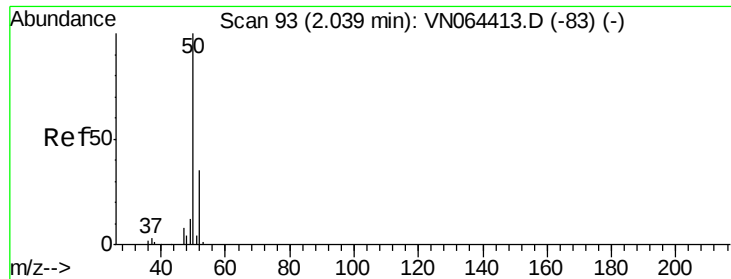
87 33.1 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.923 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

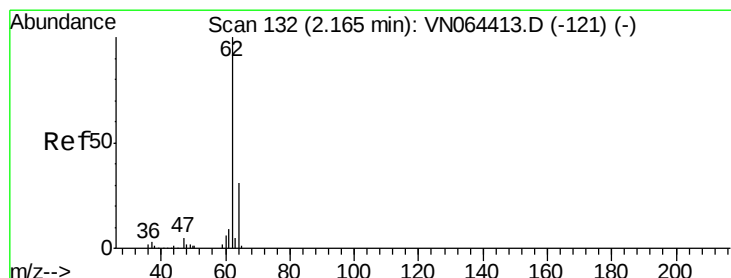
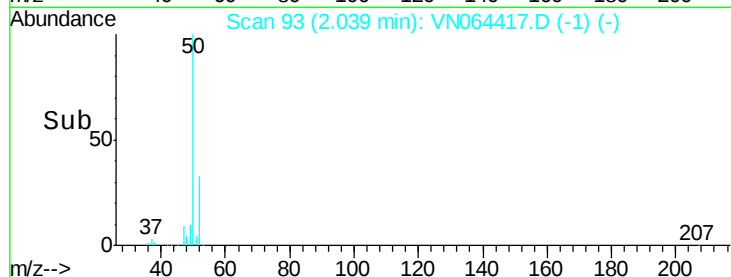
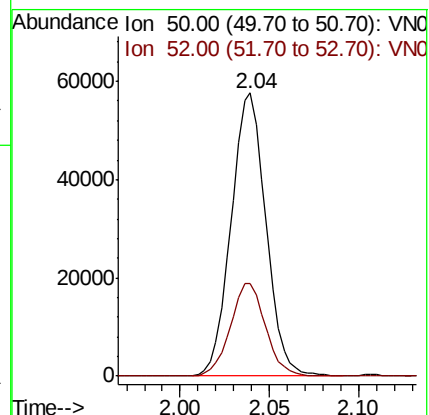
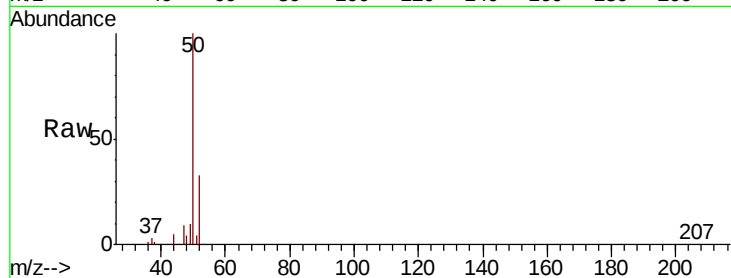
BFB

Tot Ion: 50 Resp: 78158

Ion Ratio Lower Upper

50 100

52 32.7 27.7 41.5



#4

Vinyl Chloride

Concen: 18.091 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064417.D

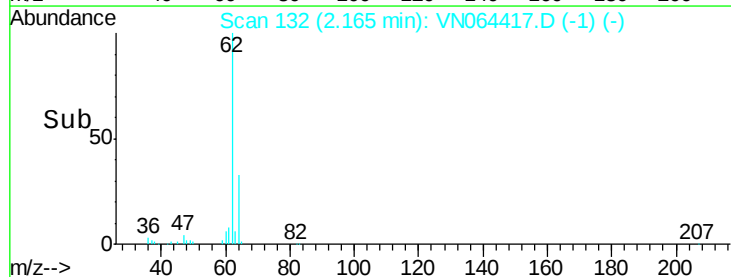
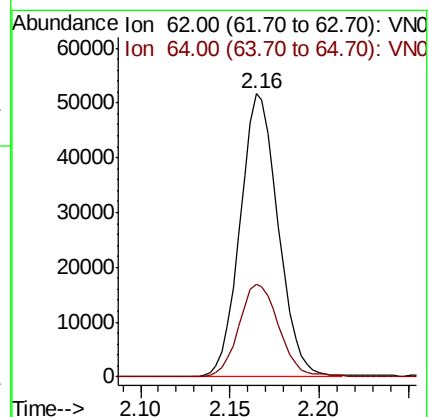
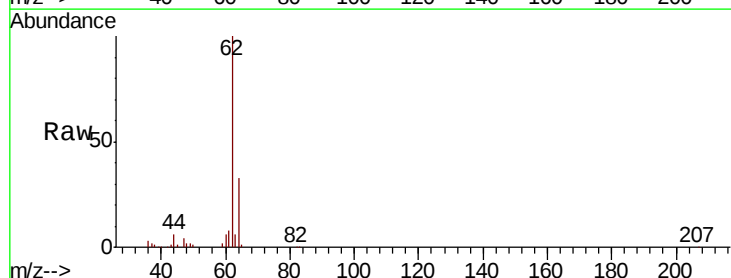
Acq: 2 Nov 2020 16:15

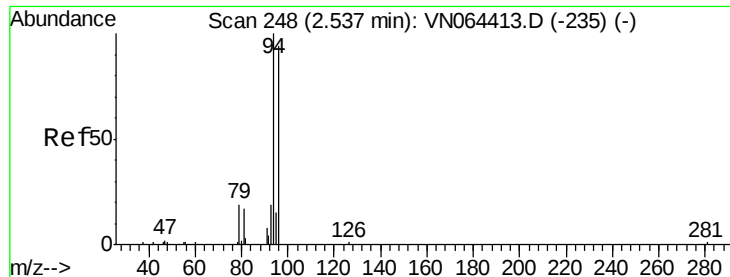
Tgt Ion: 62 Resp: 77097

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 19.298 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

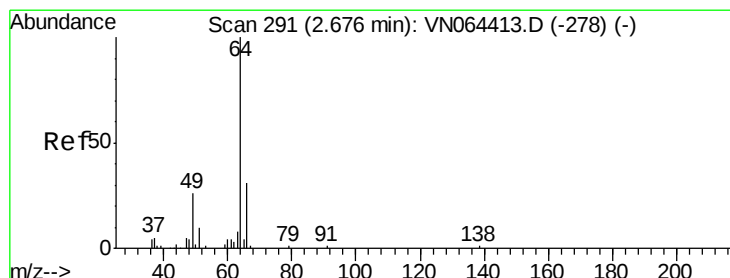
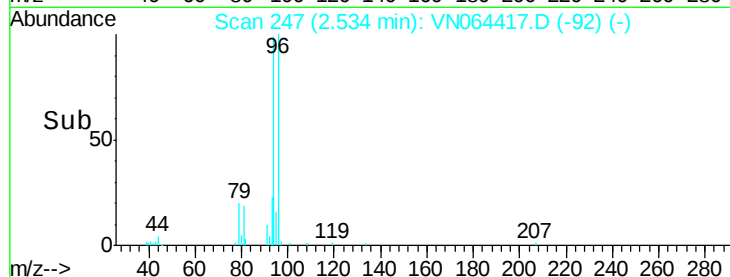
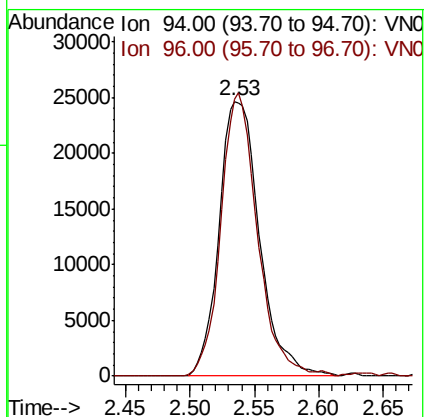
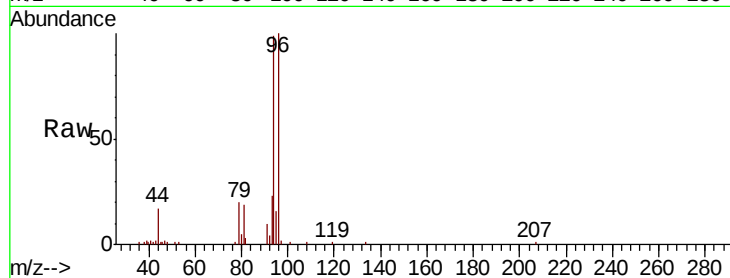
BFB

Tot Ion: 94 Resp: 53675

Ion Ratio Lower Upper

94 100

96 100.8 75.2 112.8



#6

Chloroethane

Concen: 17.760 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064417.D

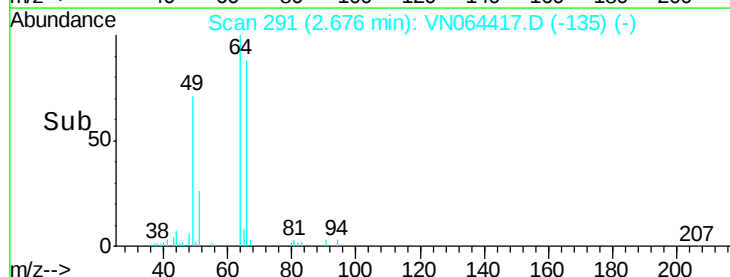
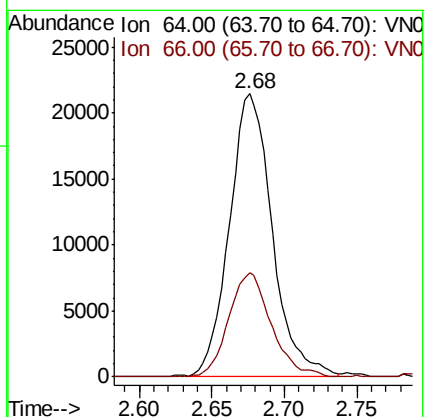
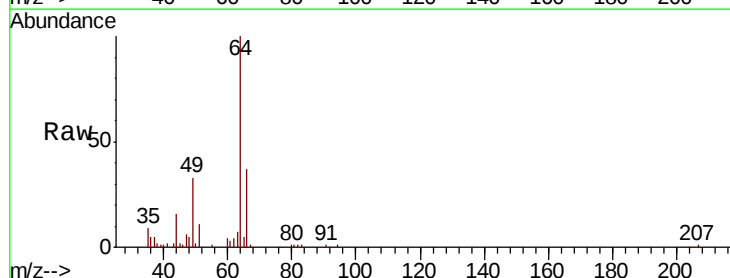
Acq: 2 Nov 2020 16:15

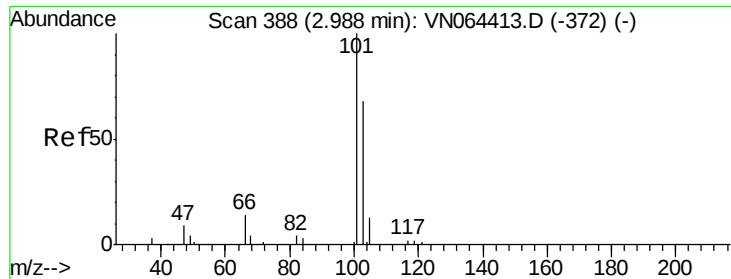
Tgt Ion: 64 Resp: 44166

Ion Ratio Lower Upper

64 100

66 37.1 25.0 37.4



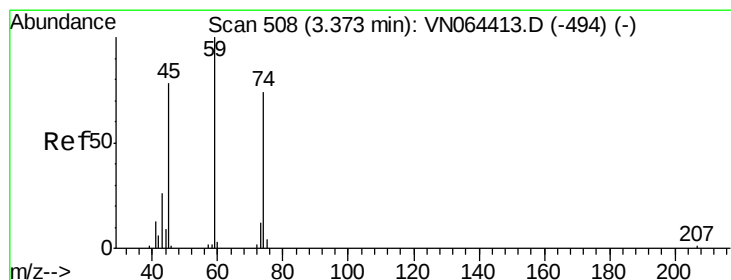
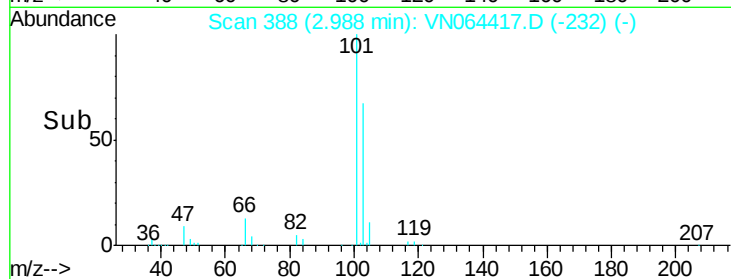
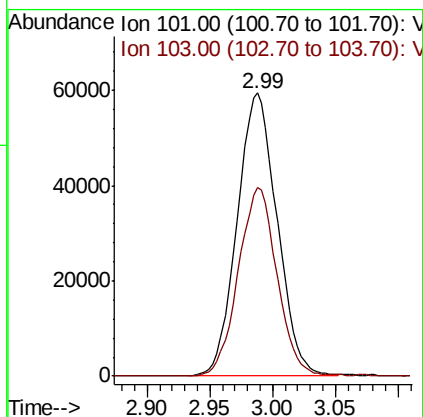
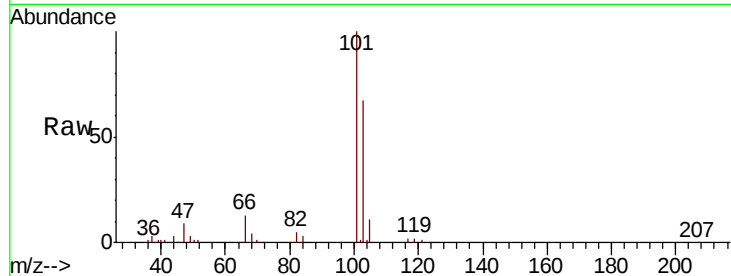


#7

Trichlorofluoromethane
 Concen: 18.648 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

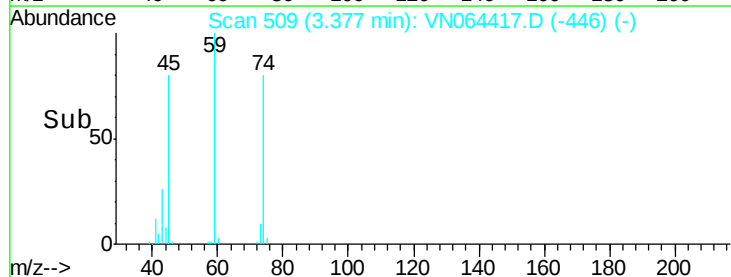
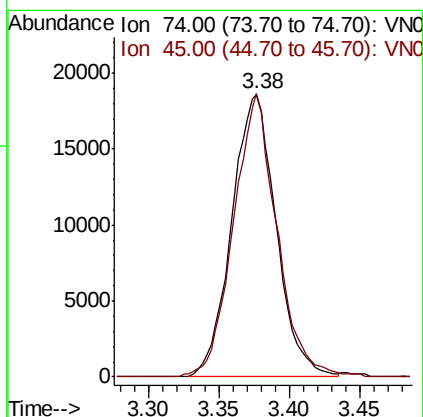
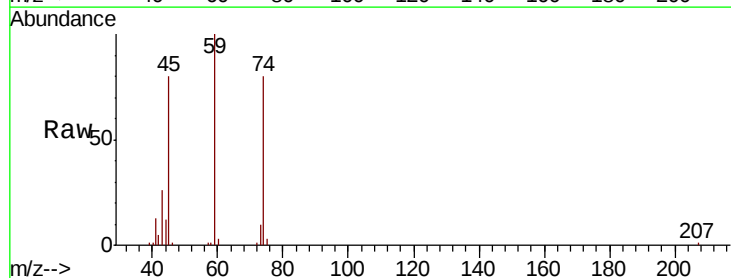
Tot Ion:101 Resp: 131652
 Ion Ratio Lower Upper
 101 100
 103 66.8 54.6 81.8

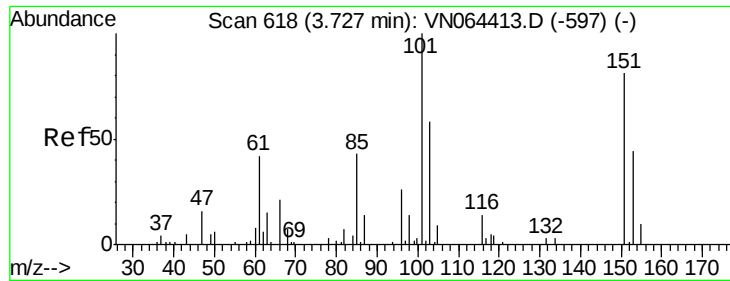


#8

Diethyl Ether
 Concen: 18.868 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion: 74 Resp: 40866
 Ion Ratio Lower Upper
 74 100
 45 97.8 21.2 190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.019 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

BFB

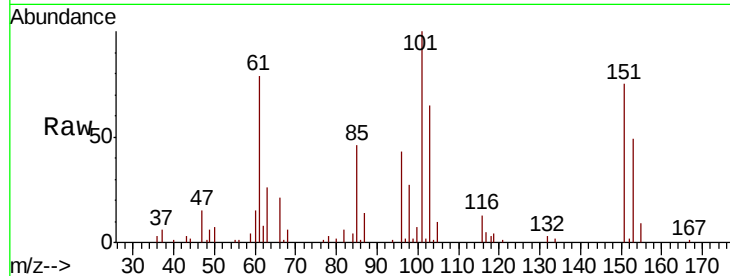
Tot Ion:101 Resp: 66825

Ion Ratio Lower Upper

101 100

85 46.7 0.0 89.6

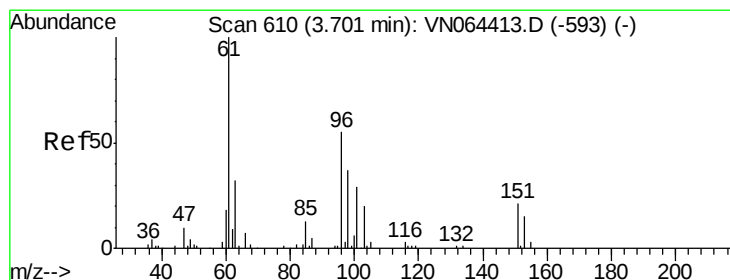
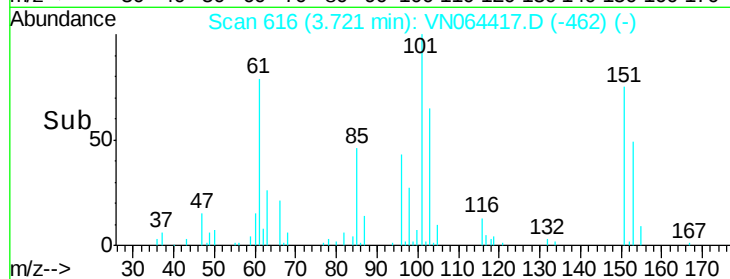
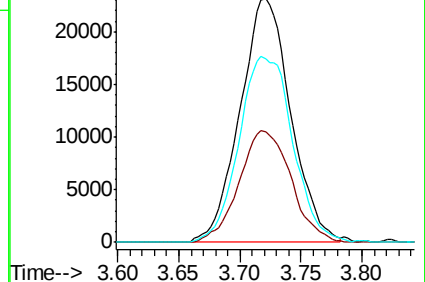
151 51.4 0.0 158.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.451 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

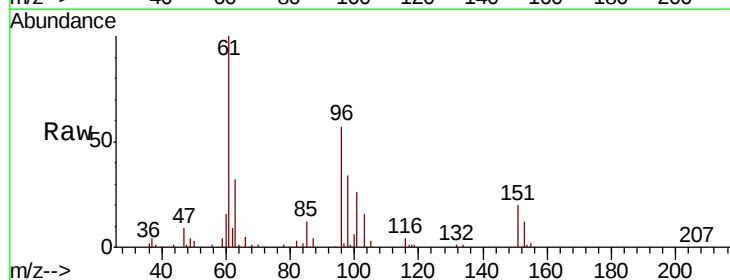
Tgt Ion: 96 Resp: 62052

Ion Ratio Lower Upper

96 100

61 174.7 145.6 218.4

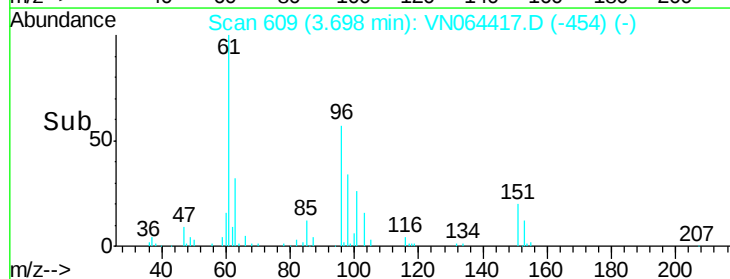
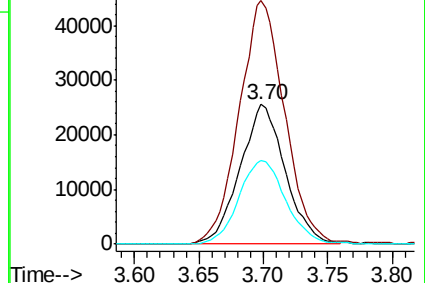
98 59.9 53.9 80.9

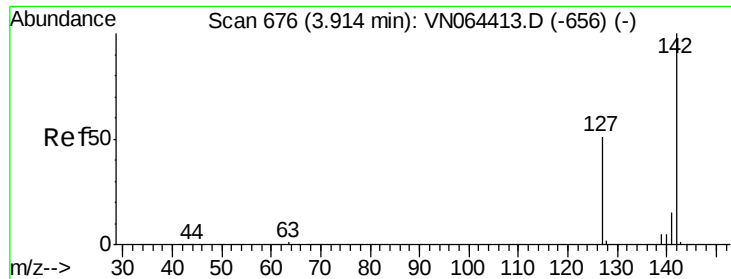


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

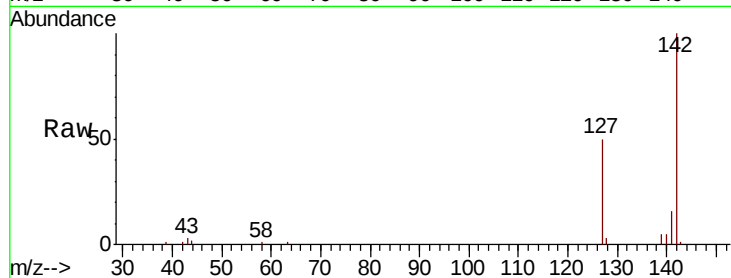




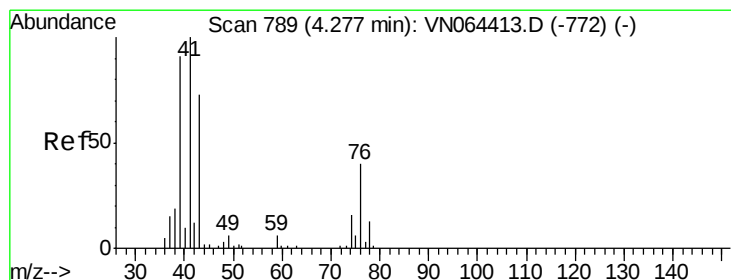
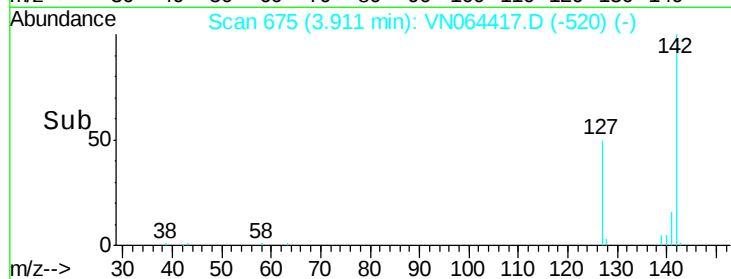
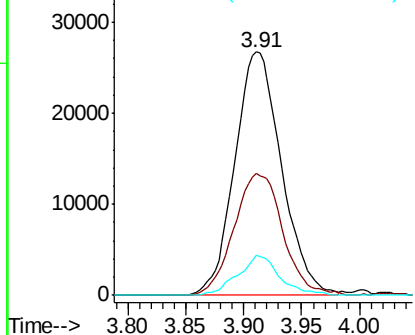
#11
Methyl Iodide
Concen: 16.593 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Tot Ion:142 Resp: 74906
Ion Ratio Lower Upper
142 100
127 49.8 25.4 76.2
141 16.3 7.8 23.3

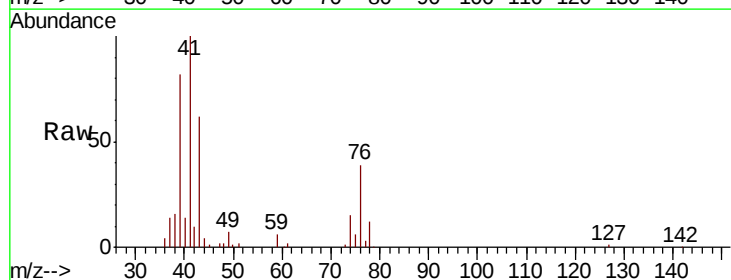


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

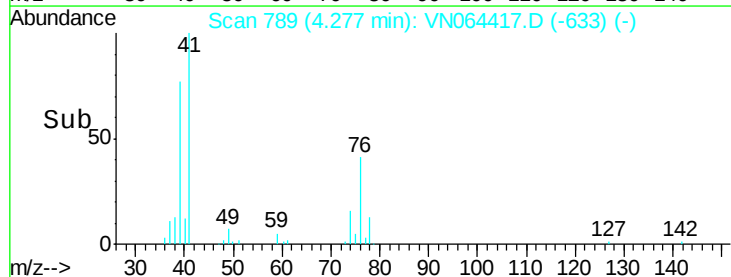
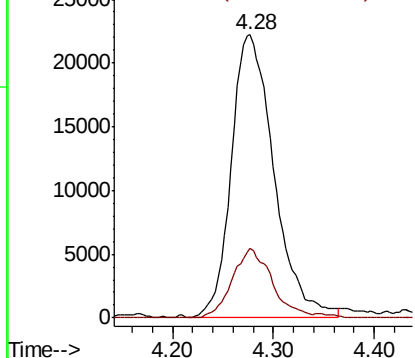


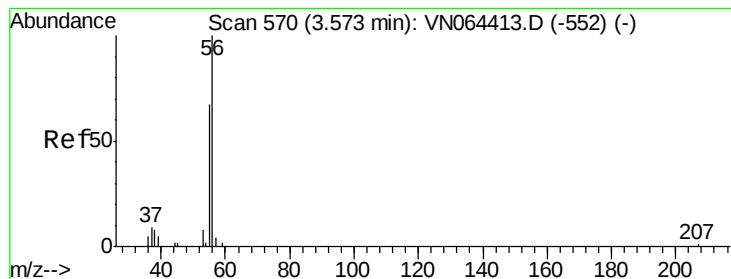
#12
Methyl Acetate
Concen: 18.573 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 43 Resp: 65365
Ion Ratio Lower Upper
43 100
74 24.7 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 89.060 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

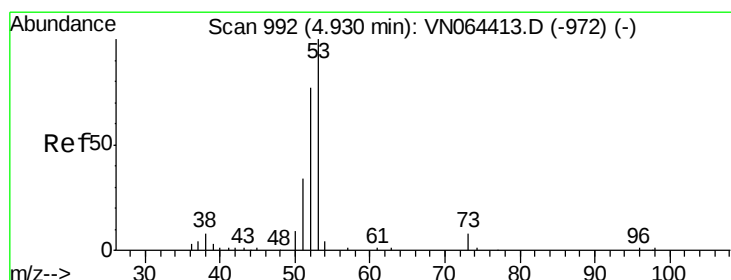
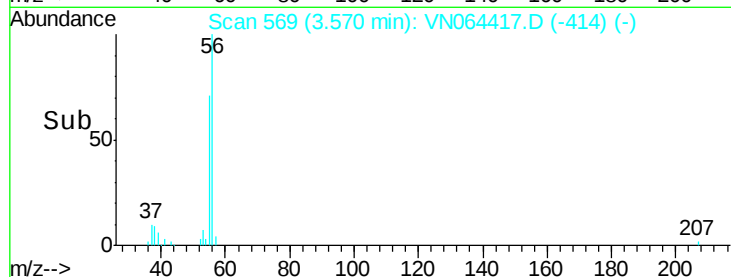
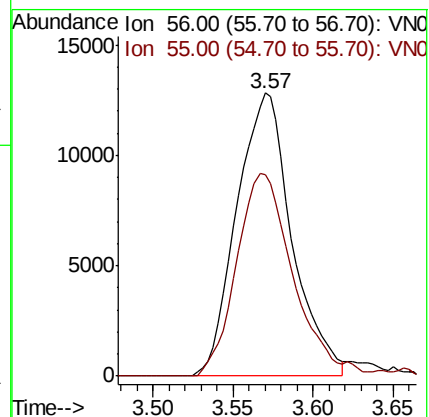
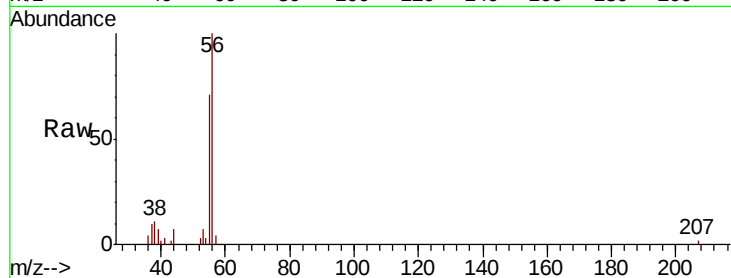
BFB

Tot Ion: 56 Resp: 30254

Ion Ratio Lower Upper

56 100

55 72.1 52.5 78.7



#14

Acrylonitrile

Concen: 90.458 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

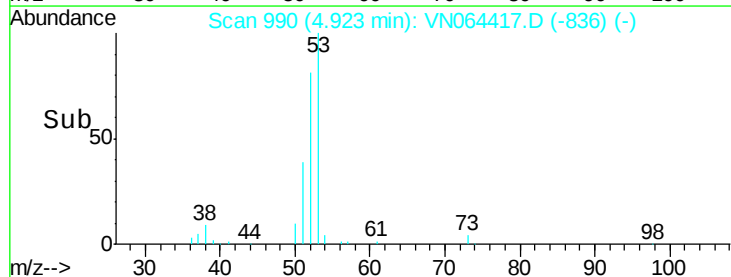
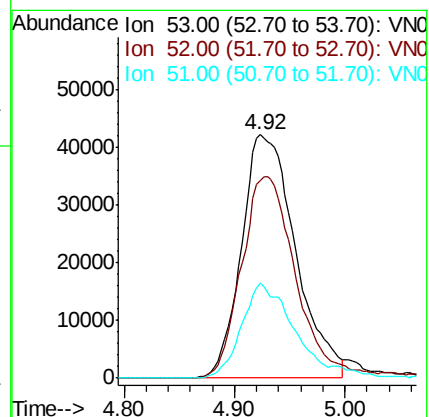
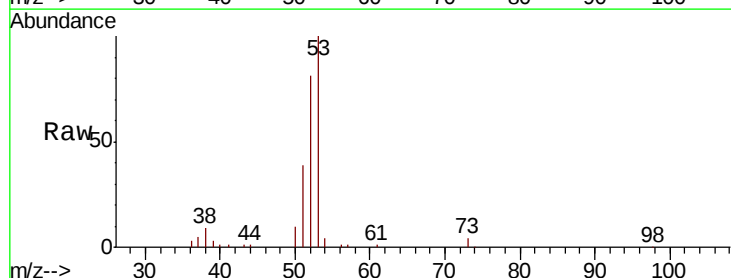
Tgt Ion: 53 Resp: 143234

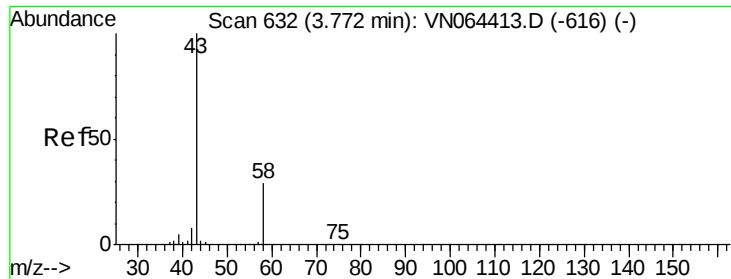
Ion Ratio Lower Upper

53 100

52 82.0 41.1 123.3

51 20.6 17.8 53.3





#15

Acetone

Concen: 79.357 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

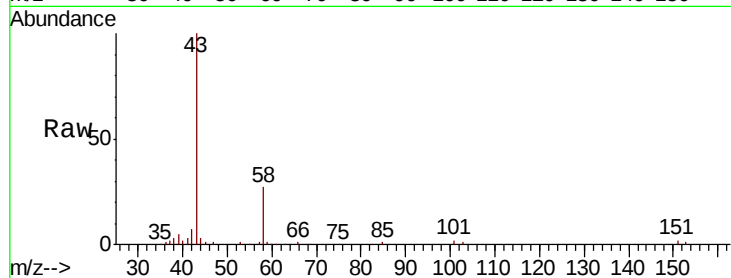
BFB

Tot Ion: 58 Resp: 43539

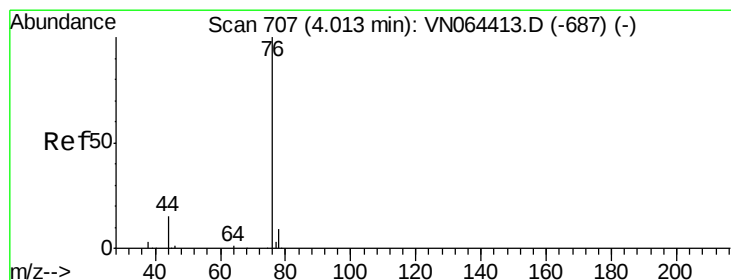
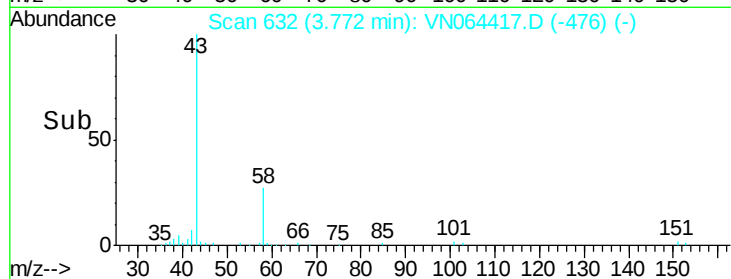
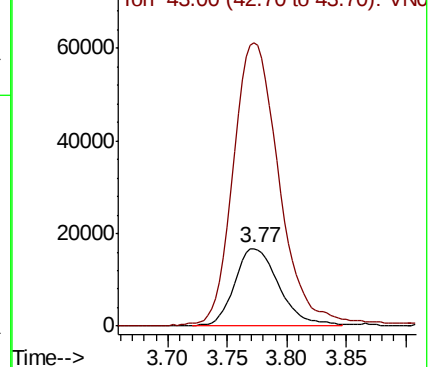
Ion Ratio Lower Upper

58 100

43 361.4 276.1 414.1



Abundance Ion 58.00 (57.70 to 58.70): VN064417.D (-476) (-)



#16

Carbon Disulfide

Concen: 18.382 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064417.D

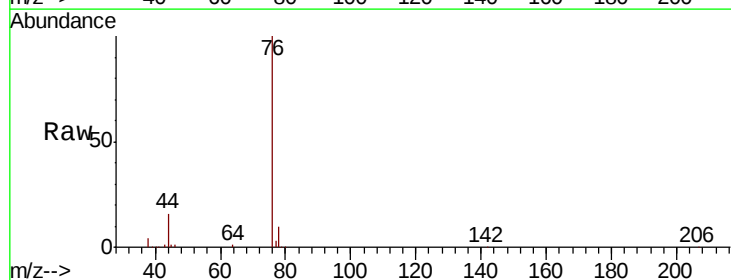
Acq: 2 Nov 2020 16:15

Tgt Ion: 76 Resp: 175448

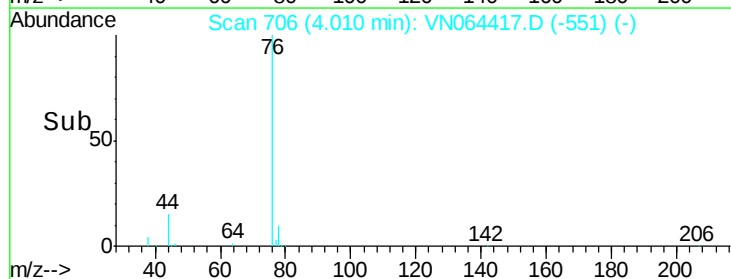
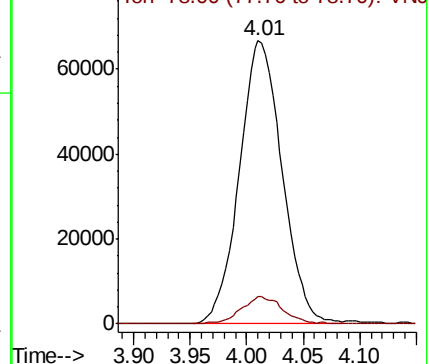
Ion Ratio Lower Upper

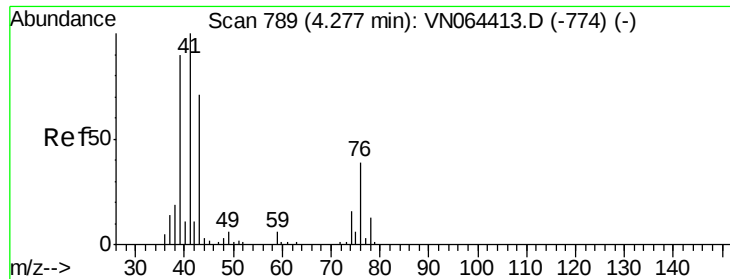
76 100

78 9.8 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN064417.D (-551) (-)

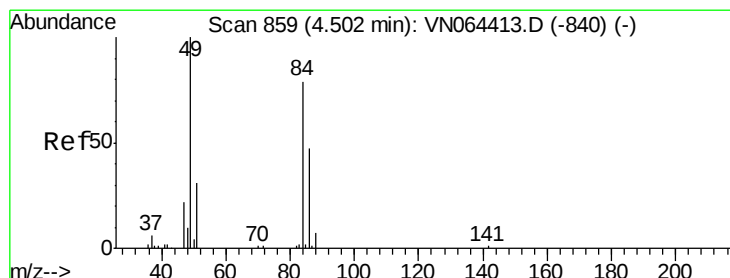
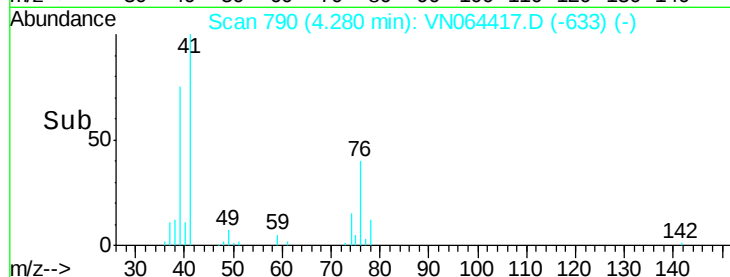
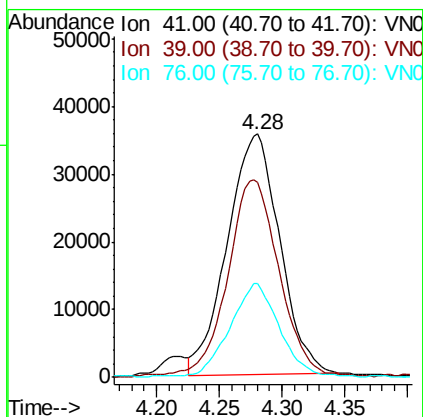
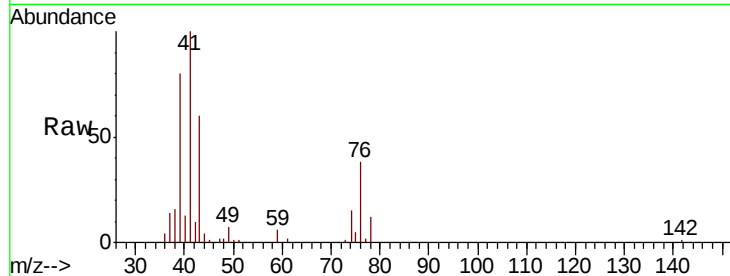




#17
Allvl chloride
Concen: 17.515 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

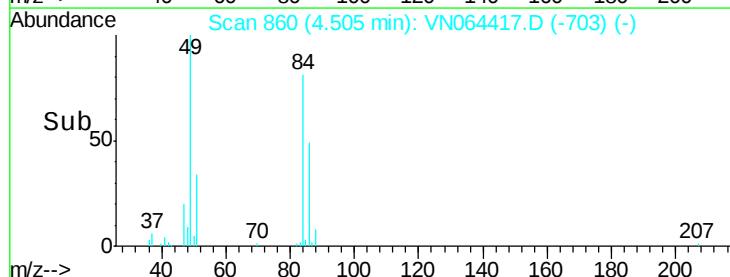
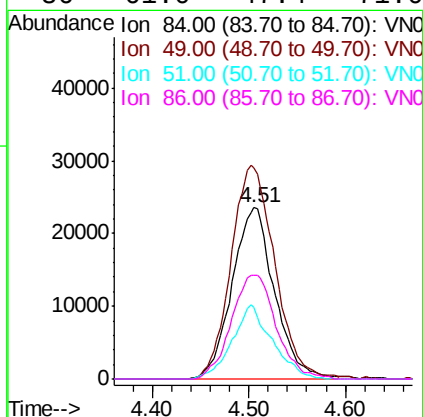
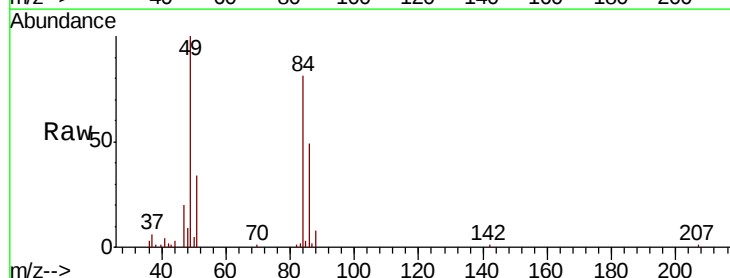
Instrument :
MSVOA_Y
ClientSampleId :
BFB

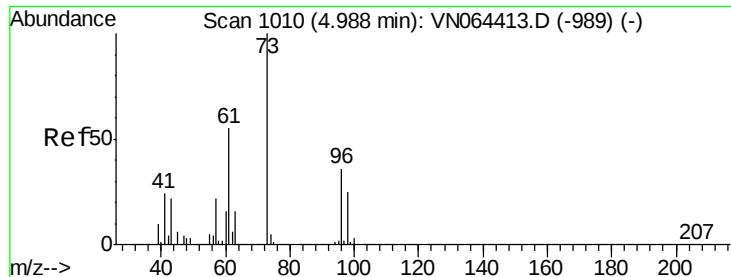
Tot Ion: 41 Resp: 103318
Ion Ratio Lower Upper
41 100
39 80.0 42.3 126.8
76 38.4 18.6 55.8



#18
Methylene Chloride
Concen: 18.440 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 84 Resp: 71757
Ion Ratio Lower Upper
84 100
49 123.5 101.0 151.4
51 41.8 31.2 46.8
86 61.0 47.4 71.0

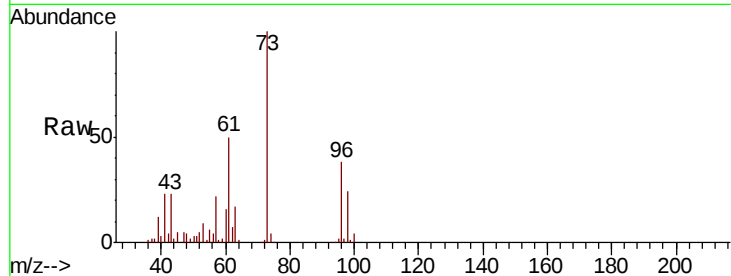




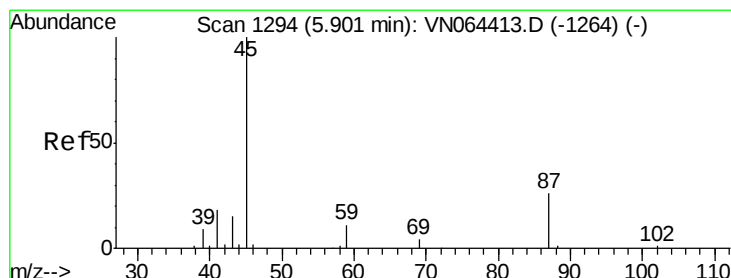
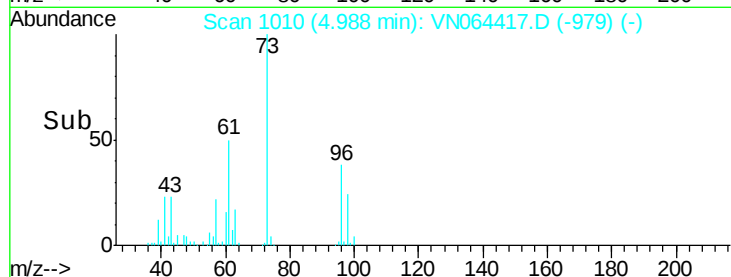
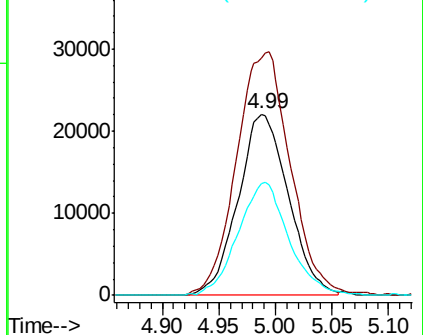
#19
trans-1,2-Dichloroethene
Concen: 18.485 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Instrument :
MSVOA_Y
ClientSampled :
BFB

Tot Ion: 96 Resp: 68426
Ion Ratio Lower Upper
96 100
61 130.0 121.4 182.0
98 61.0 55.5 83.3

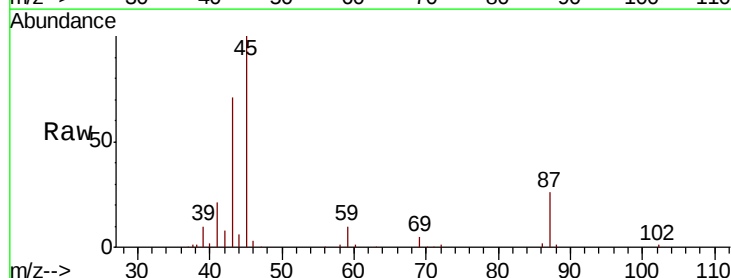


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

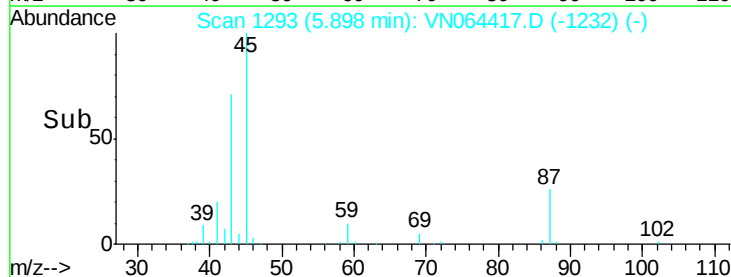
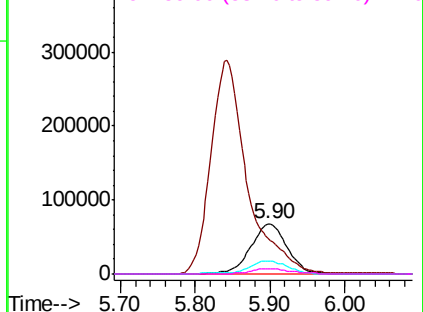


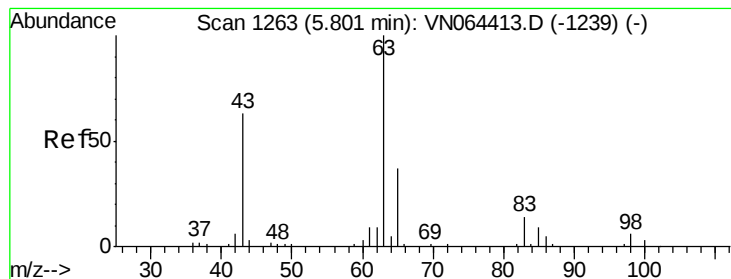
#20
Diisopropyl ether
Concen: 18.236 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 45 Resp: 230192
Ion Ratio Lower Upper
45 100
43 68.4 49.6 74.4
87 25.7 21.0 31.6
59 10.1 8.4 12.6



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





#21

1,1-Dichloroethane

Concen: 18.247 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

BFB

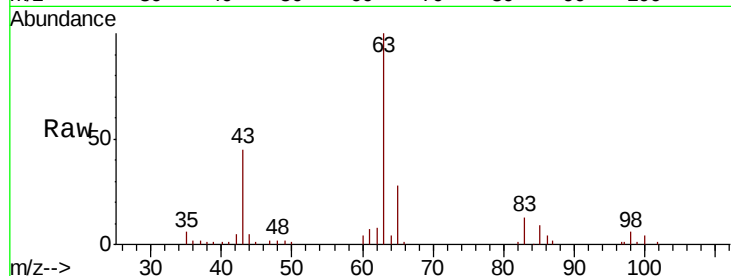
Tot Ion: 63 Resp: 129909

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

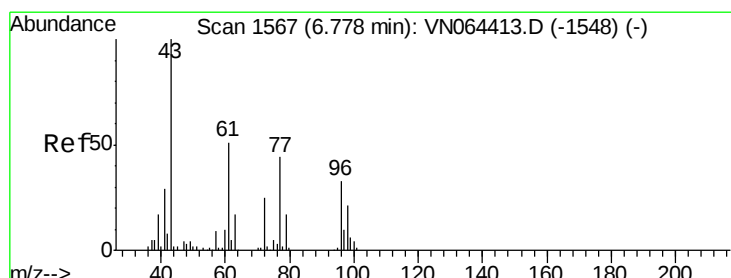
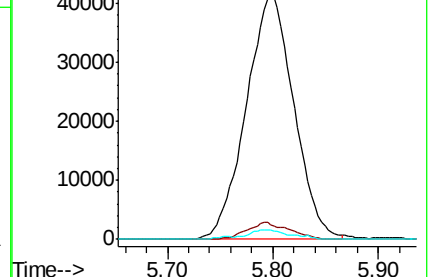
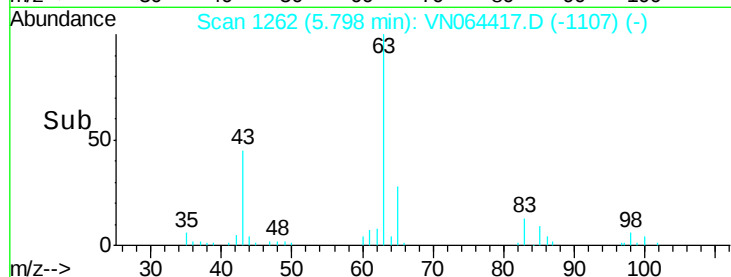
100 3.8 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VN064417.D (-1107) (-)

Ion 98.00 (97.70 to 98.70): VN064417.D (-1107) (-)

Ion 100.00 (99.70 to 100.70): VN064417.D (-1107) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.183 ug/l

RT: 6.79 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

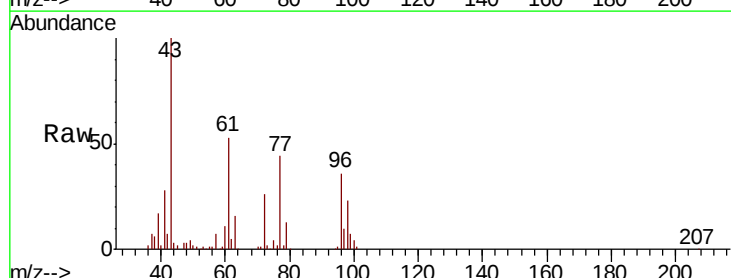
Tgt Ion: 96 Resp: 79757

Ion Ratio Lower Upper

96 100

61 156.8 122.3 183.5

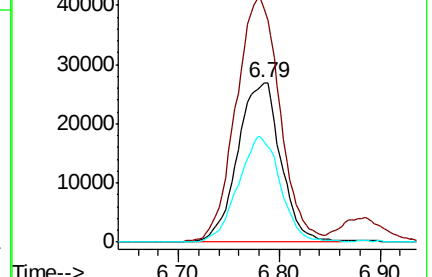
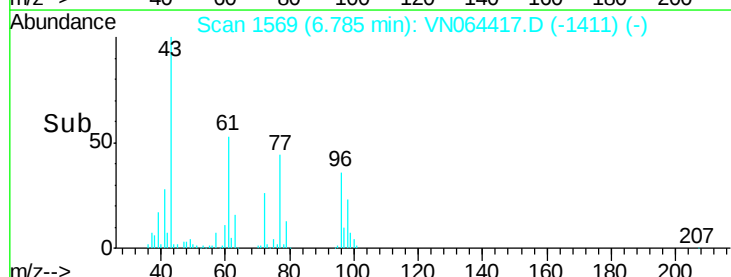
98 64.6 49.6 74.4

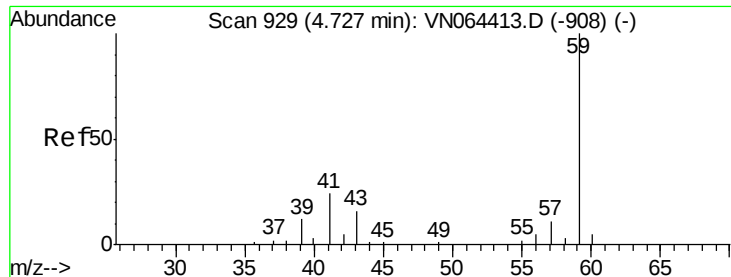


Abundance Ion 96.00 (95.70 to 96.70): VN064417.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064417.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064417.D (-1411) (-)

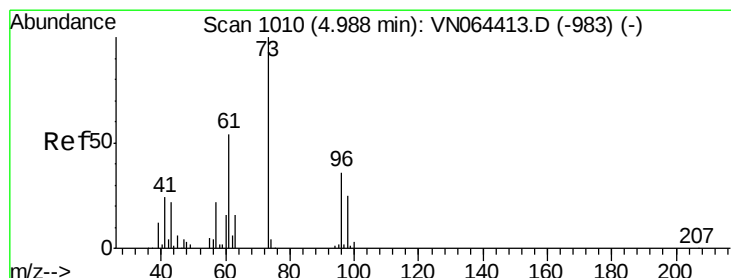
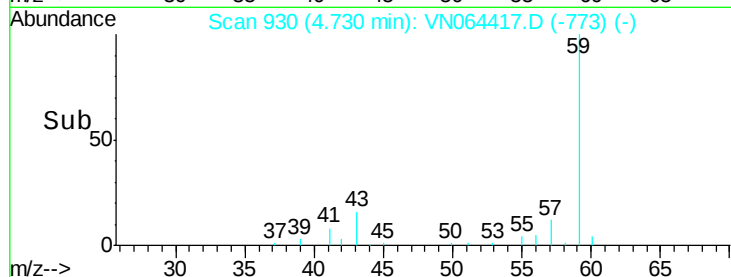
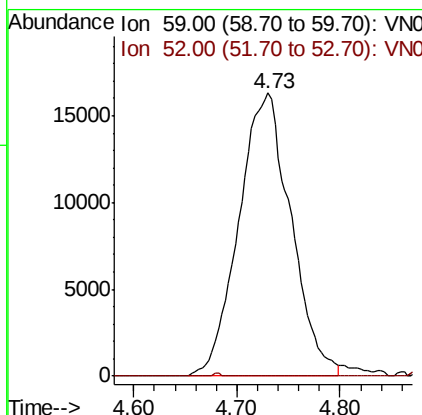
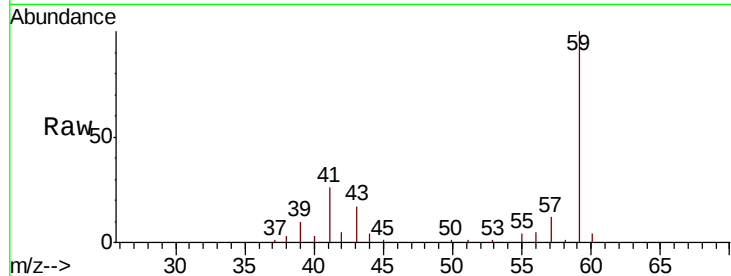




#23
tert-Butyl Alcohol
Concen: 95.296 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

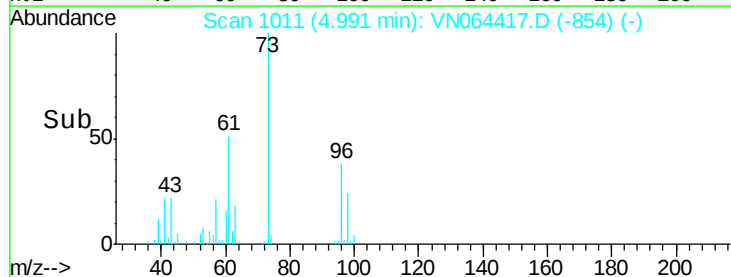
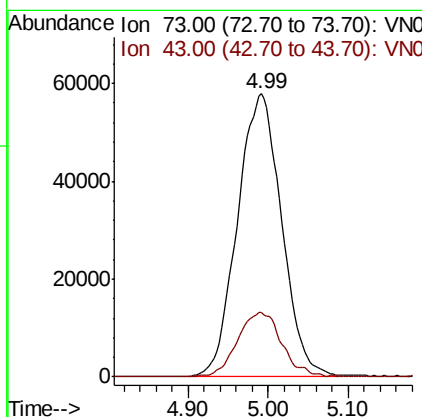
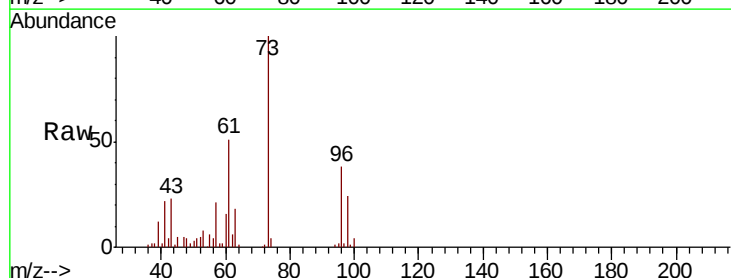
Instrument :
MSVOA_Y
ClientSampleId :
BFB

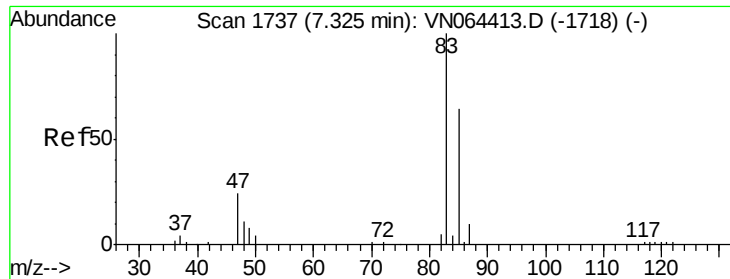
Tot Ion: 59 Resp: 57302
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 18.120 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 73 Resp: 218078
Ion Ratio Lower Upper
73 100
43 21.0 6.8 10.2#

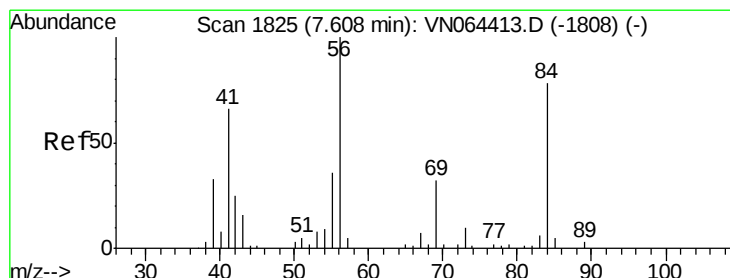
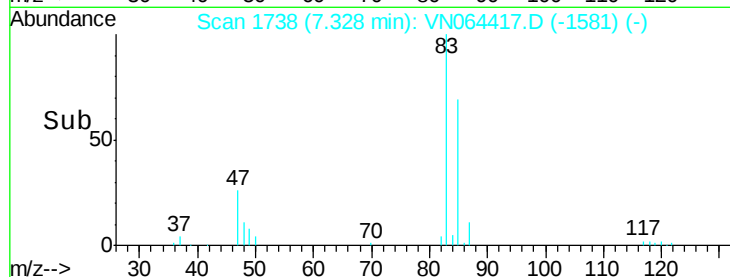
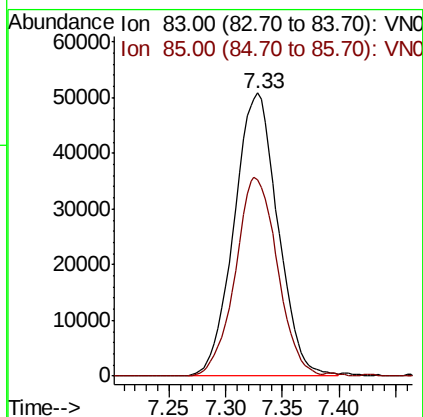
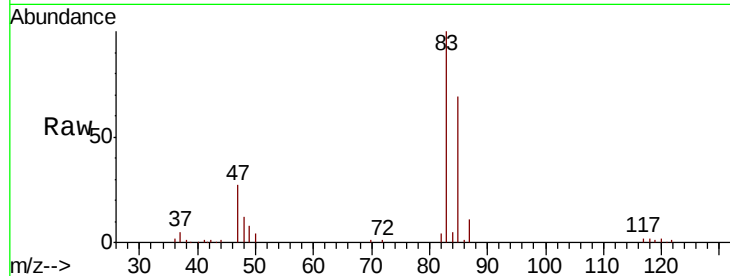




#25
Chloroform
Concen: 17.883 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

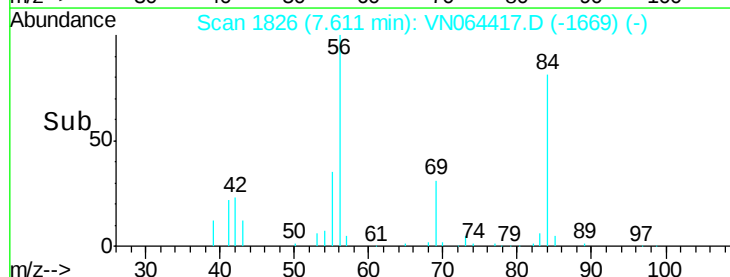
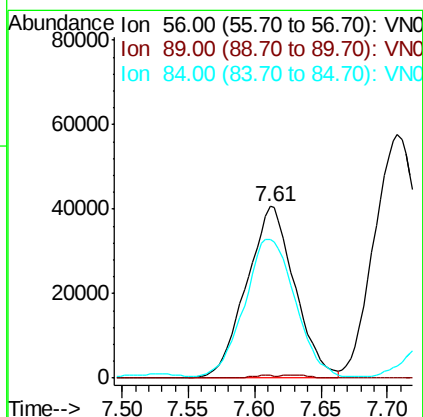
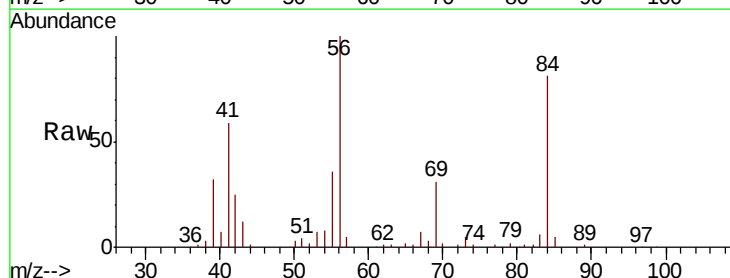
Instrument :
MSVOA_Y
ClientSampled :
BFB

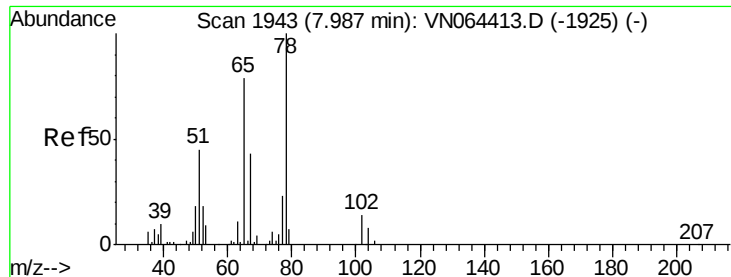
Tot Ion: 83 Resp: 136369
Ion Ratio Lower Upper
83 100
85 69.2 51.0 76.4



#26
Cyclohexane
Concen: 18.296 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 56 Resp: 103165
Ion Ratio Lower Upper
56 100
89 0.8 2.3 3.5#
84 83.8 69.4 104.0





#27

1,2-Dichloroethane-d4

Concen: 30.040 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

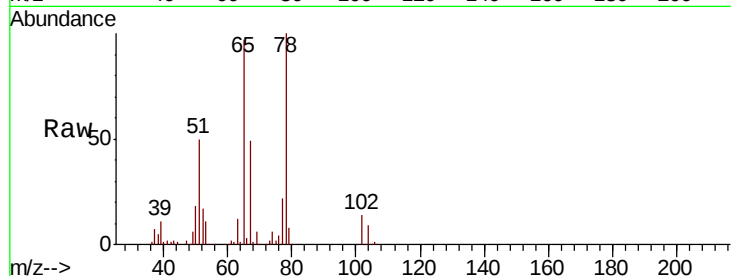
BFB

Tot Ion: 65 Resp: 152462

Ion Ratio Lower Upper

65 100

67 50.6 40.6 61.0



Abundance Ion 65.00 (64.70 to 65.70): VN064417.D (-1925) (-)

Ion 67.00 (66.70 to 67.70): VN064417.D (-1925) (-)

7.98

60000

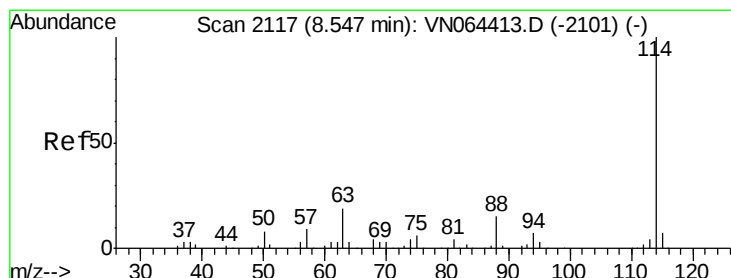
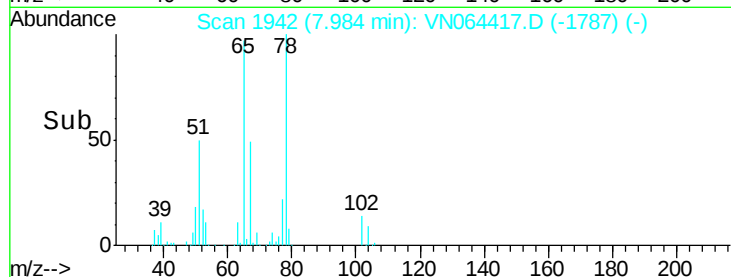
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

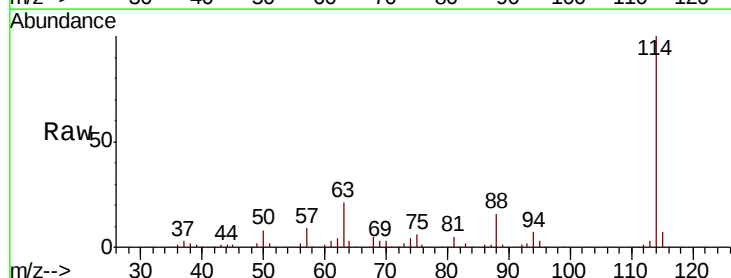
Tgt Ion: 114 Resp: 342745

Ion Ratio Lower Upper

114 100

63 20.5 16.2 24.4

88 15.8 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): VN064417.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064417.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN064417.D (-2101) (-)

8.55

200000

150000

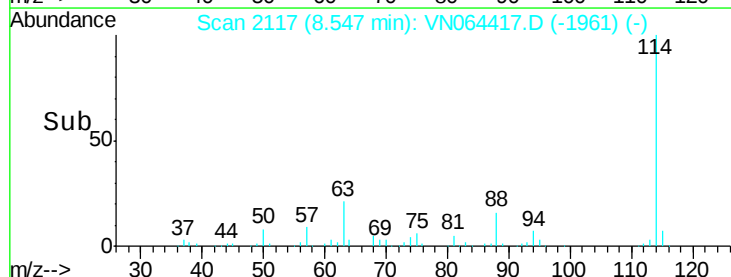
100000

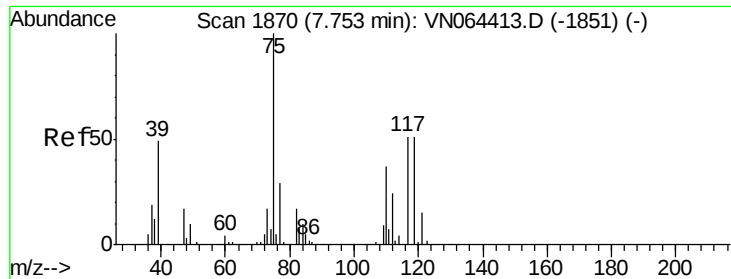
50000

0

8.45 8.50 8.55 8.60

Time-->

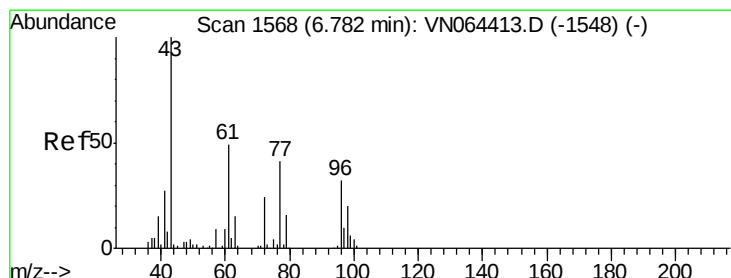
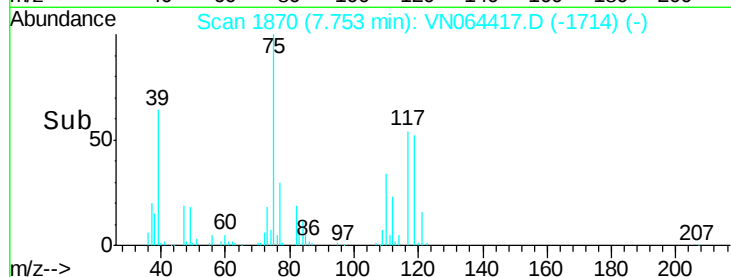
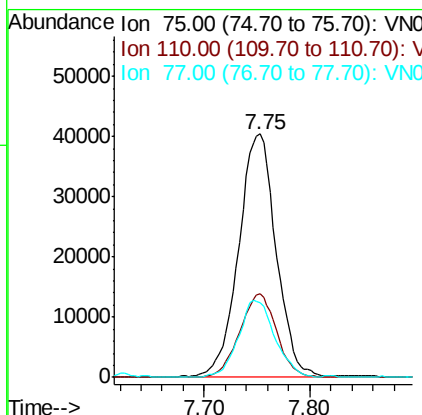
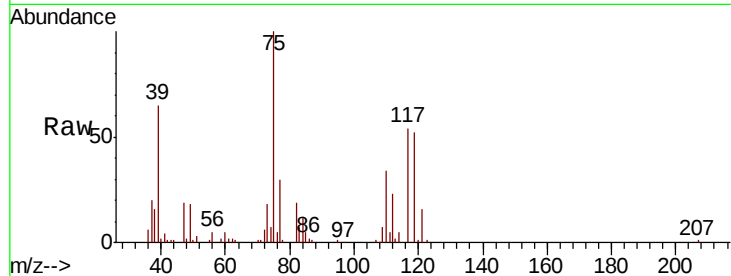




#29
 1,1-Dichloropropene
 Concen: 18.070 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

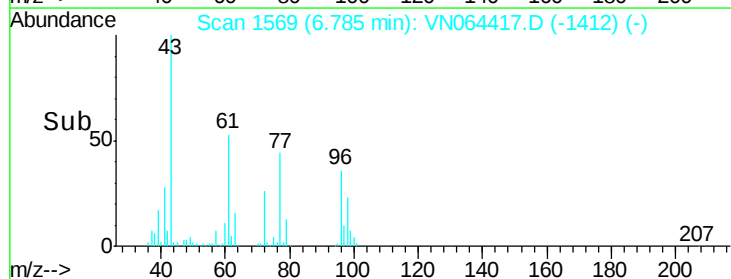
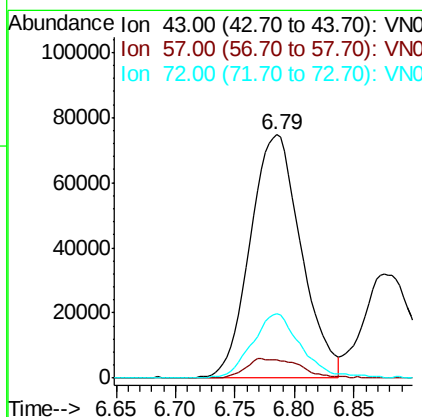
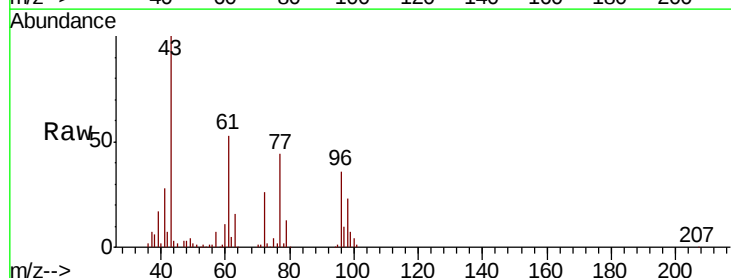
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

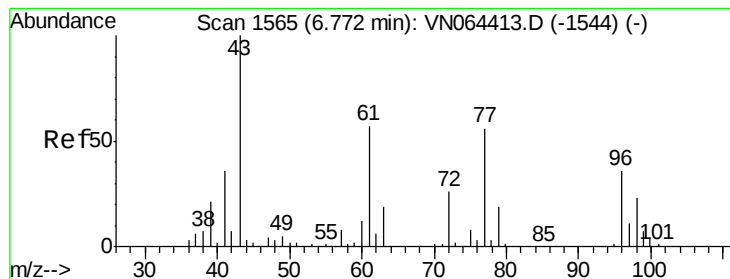
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	71.8
77	31.0	0.0	32.4



#30
 2-Butanone
 Concen: 88.075 ug/l
 RT: 6.79 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	9.8
72	25.7	20.0	30.0





#31

2,2-Dichloropropane

Concen: 18.170 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

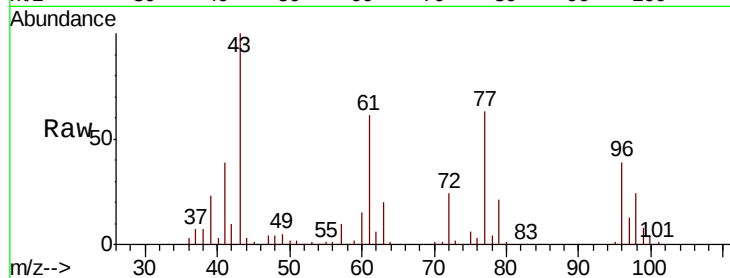
BFB

Tot Ion: 77 Resp: 122994

Ion Ratio Lower Upper

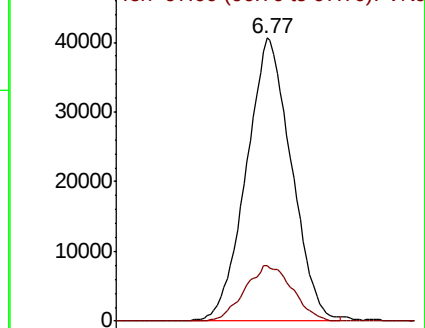
77 100

97 20.9 17.4 26.0

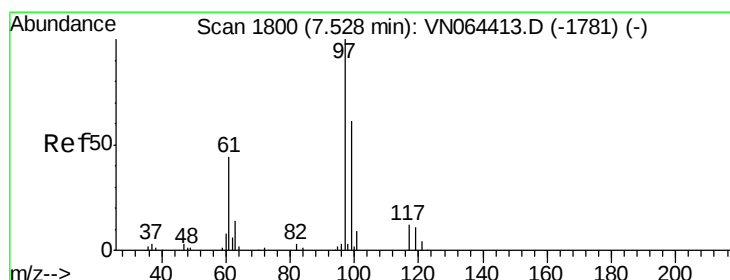
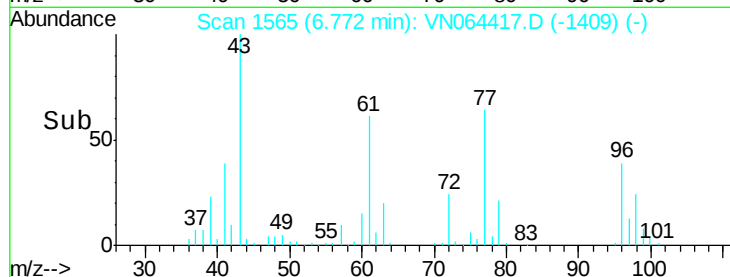


Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



Time-->



#32

1,1,1-Trichloroethane

Concen: 18.351 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

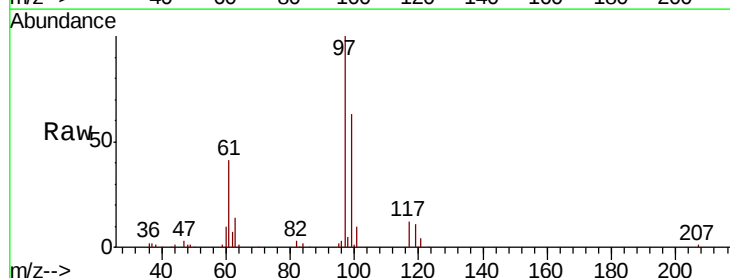
Tgt Ion: 97 Resp: 132648

Ion Ratio Lower Upper

97 100

99 61.6 49.8 74.8

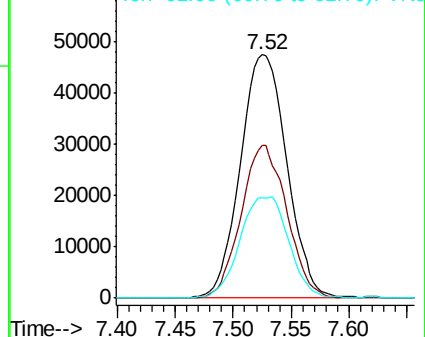
61 23.9 34.9 52.3#



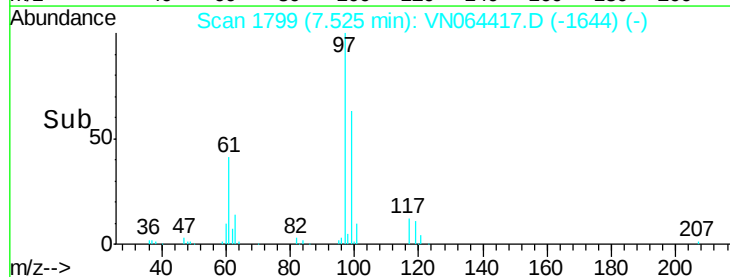
Abundance Ion 97.00 (96.70 to 97.70): VN0

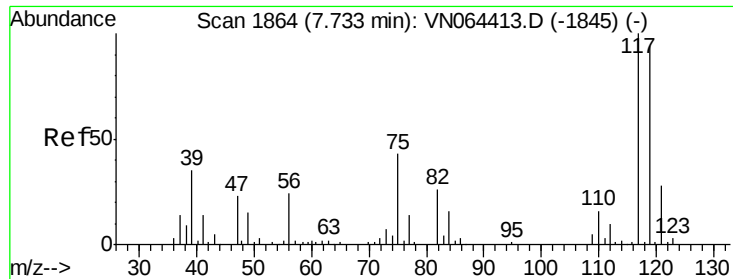
Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->

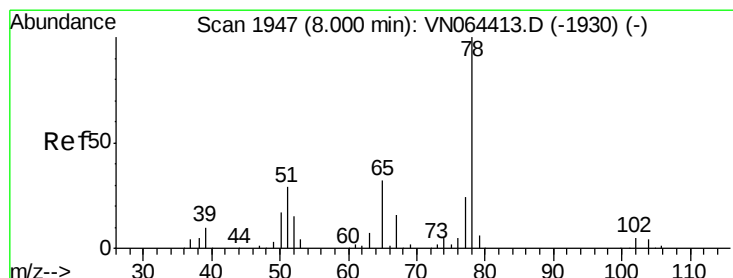
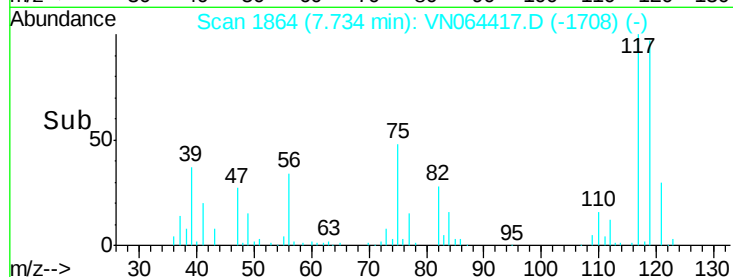
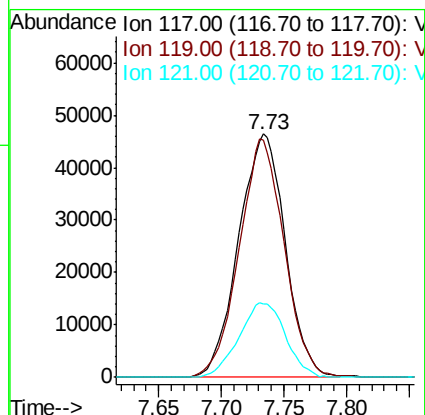
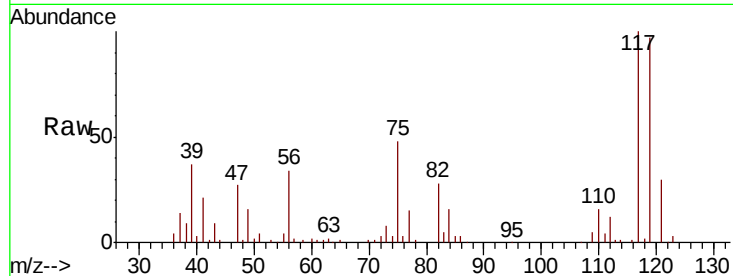




#33
Carbon Tetrachloride
Concen: 18.388 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

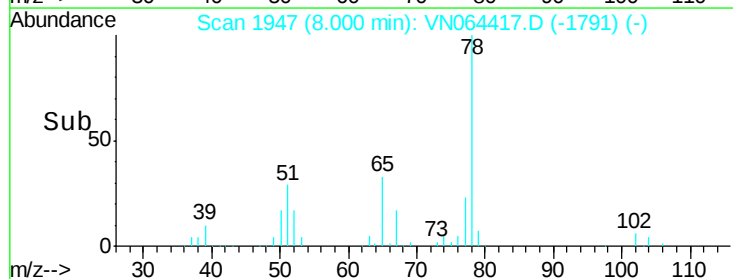
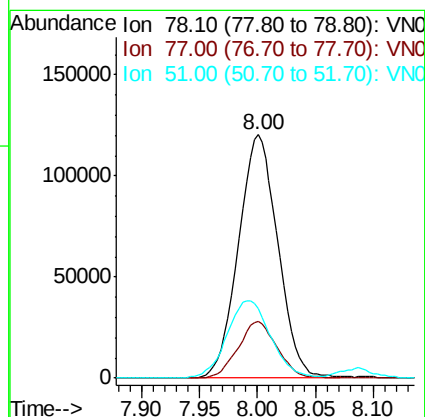
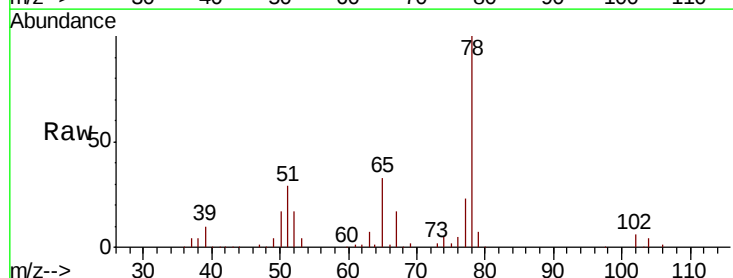
Instrument :
MSVOA_Y
ClientSampleId :
BFB

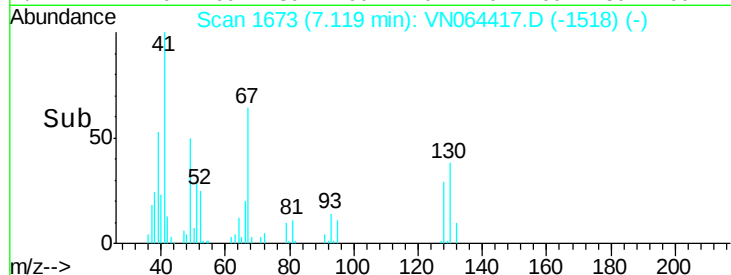
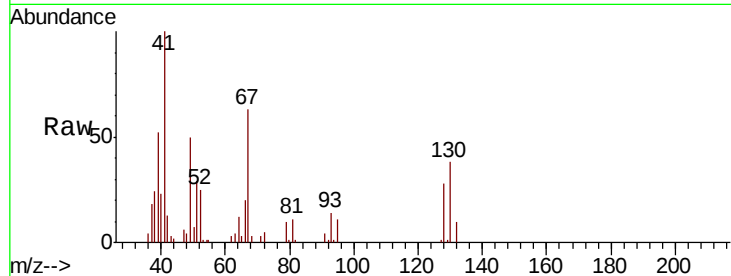
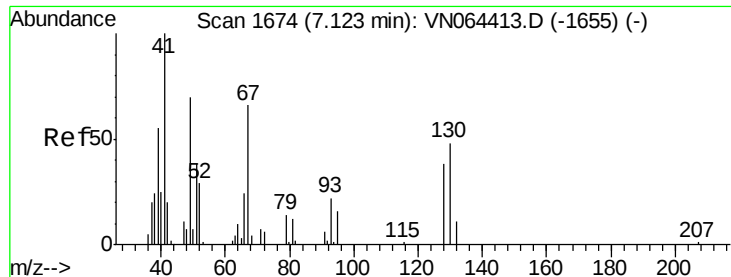
Tot Ion:117 Resp: 119741
Ion Ratio Lower Upper
117 100
119 96.9 75.0 112.4
121 30.4 22.1 33.1



#34
Benzene
Concen: 18.177 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 78 Resp: 284002
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4
51 28.1 23.1 34.7

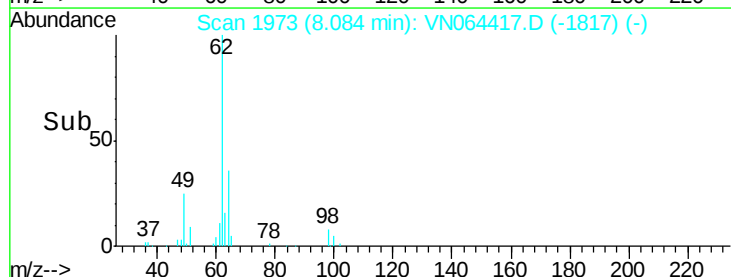
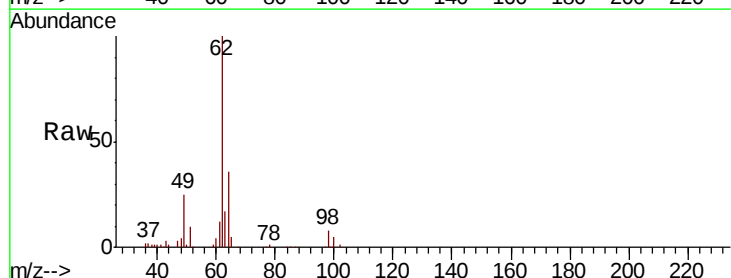
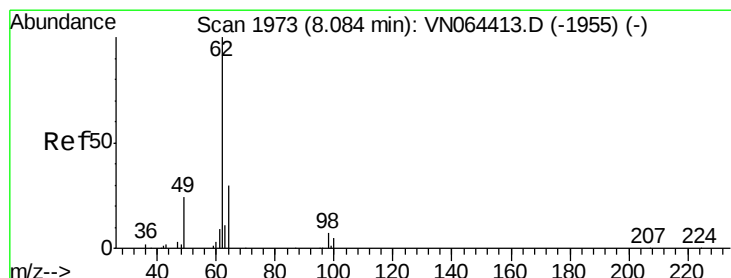
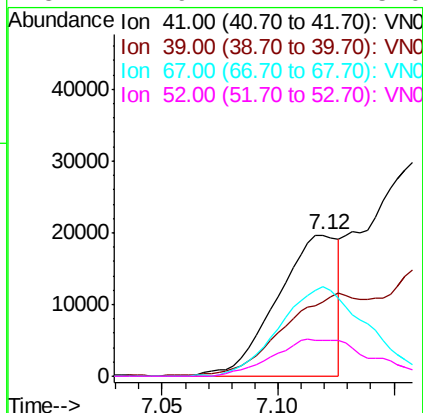




#35
Methacrylonitrile
Concen: 14.548 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

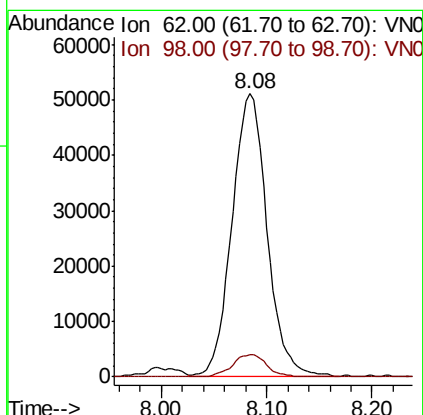
Instrument :
MSVOA_Y
ClientSampleId :
BFB

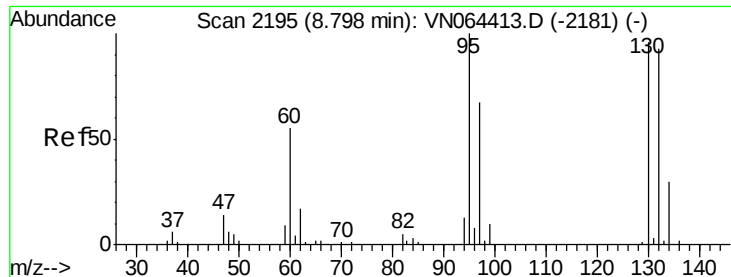
Tot Ion:	41	Resp:	36005
Ion	Ratio	Lower	Upper
41	100		
39	51.5	27.8	83.3
67	63.3	32.9	98.6
52	24.9	14.4	43.0



#36
1,2-Dichloroethane
Concen: 18.323 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion:	62	Resp:	118389
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.2	9.2

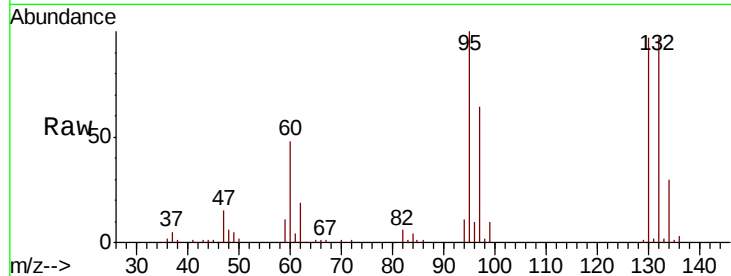




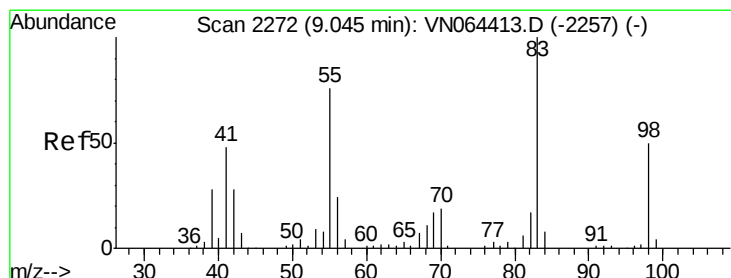
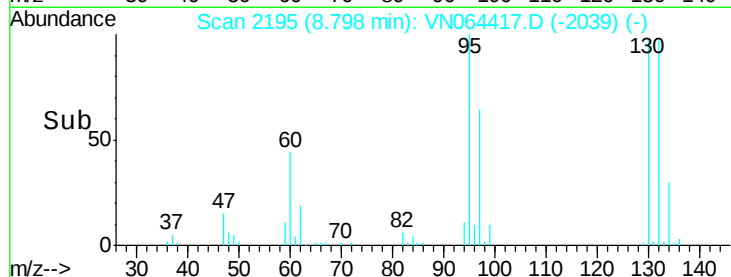
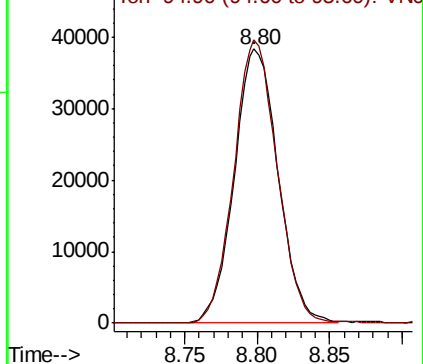
#37
 Trichloroethene
 Concen: 18.410 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

Tot Ion:130 Resp: 80750
 Ion Ratio Lower Upper
 130 100
 95 103.3 83.6 125.4

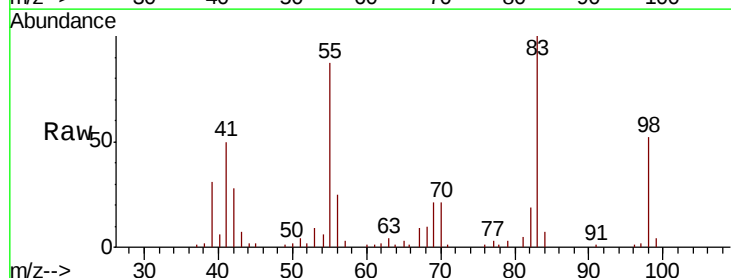


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

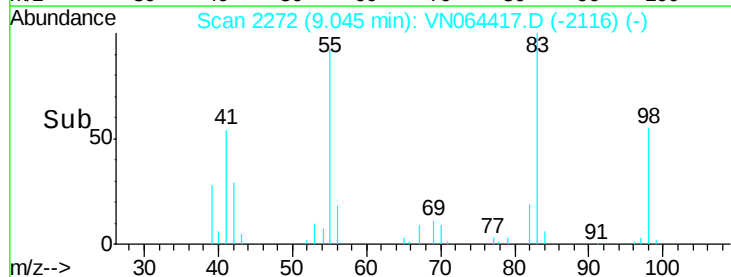
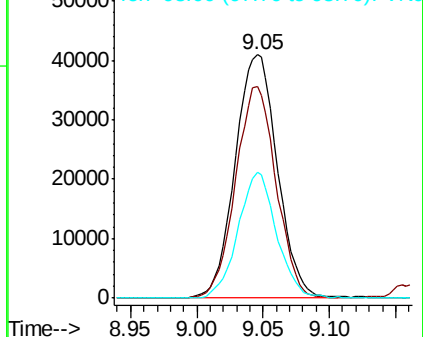


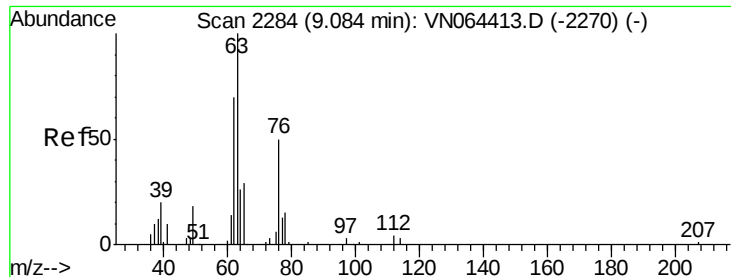
#38
 Methylcyclohexane
 Concen: 18.056 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion: 83 Resp: 90311
 Ion Ratio Lower Upper
 83 100
 55 83.6 38.3 114.9
 98 47.2 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





#39

1,2-Dichloropropane

Concen: 18.754 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

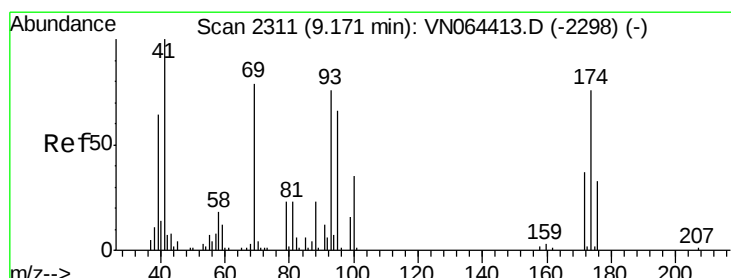
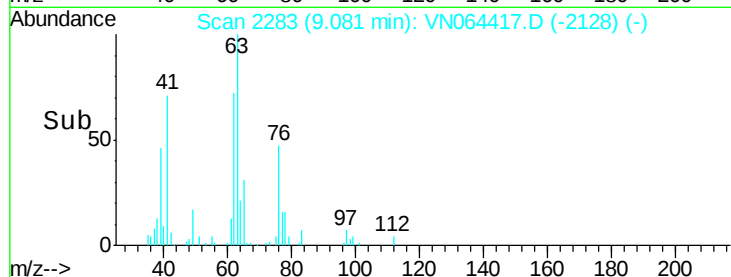
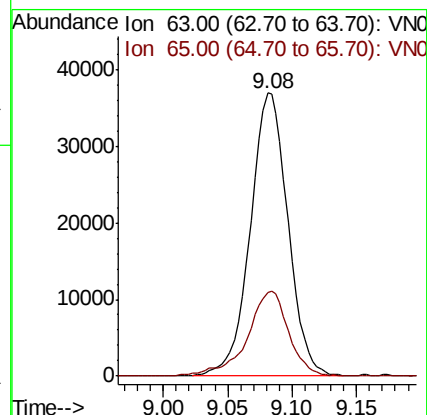
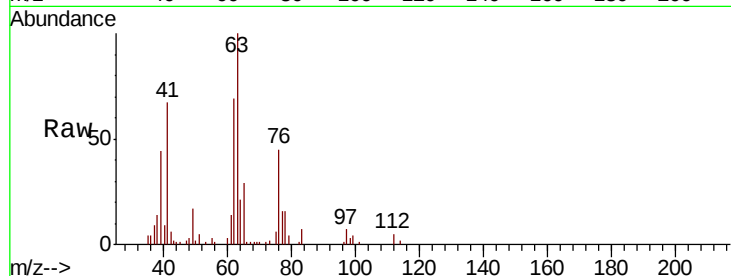
BFB

Tot Ion: 63 Resp: 75177

Ion Ratio Lower Upper

63 100

65 29.4 25.0 37.6



#40

Dibromomethane

Concen: 17.727 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

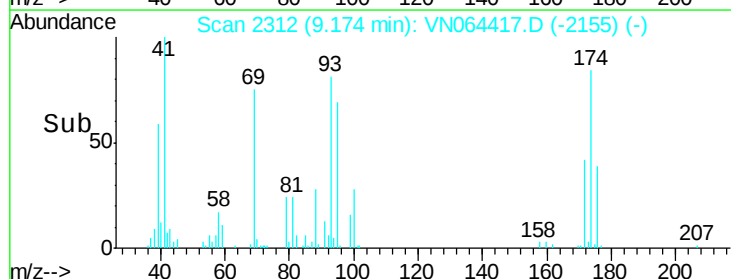
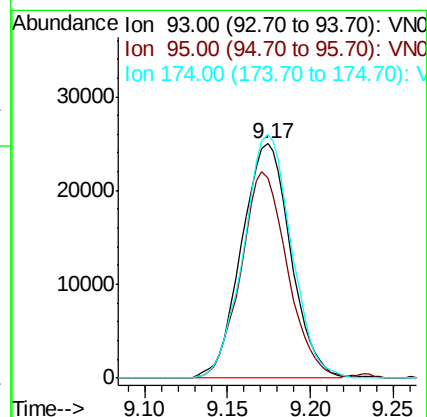
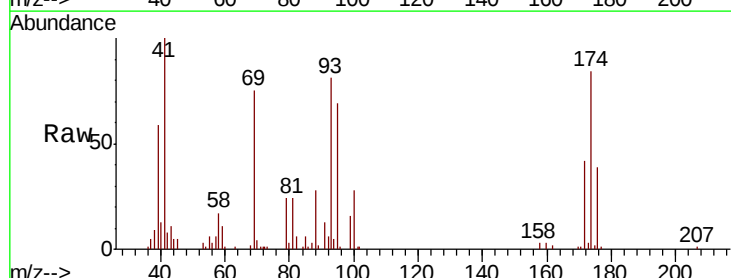
Tgt Ion: 93 Resp: 51500

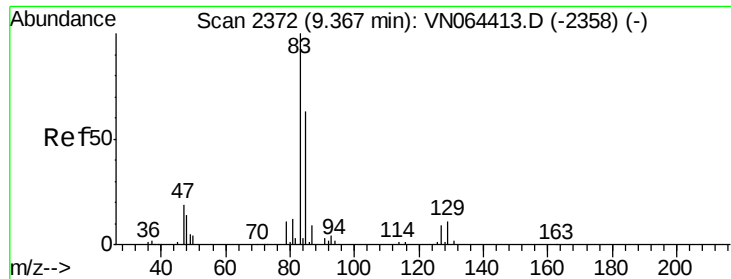
Ion Ratio Lower Upper

93 100

95 83.5 0.0 170.0

174 101.1 0.0 199.8

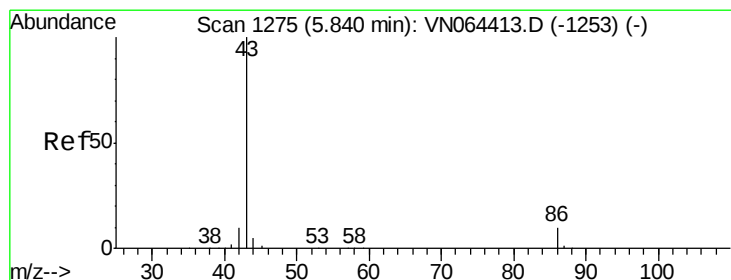
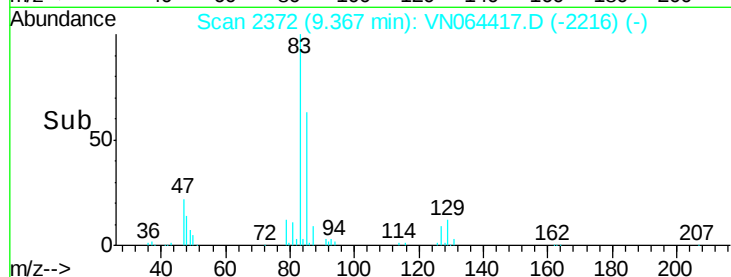
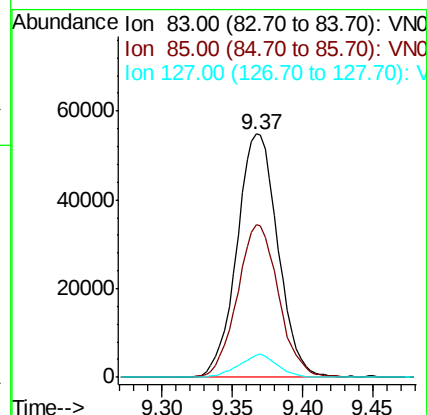
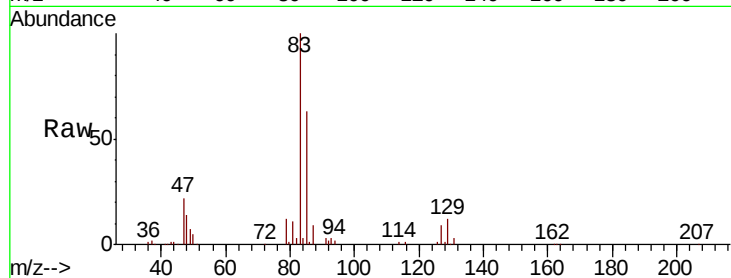




#41
 Bromodichloromethane
 Concen: 18.159 ug/l
 RT: 9.37 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

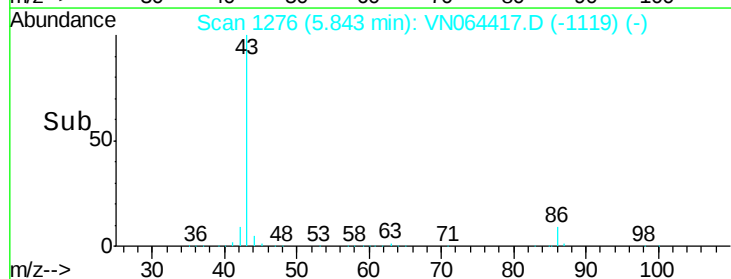
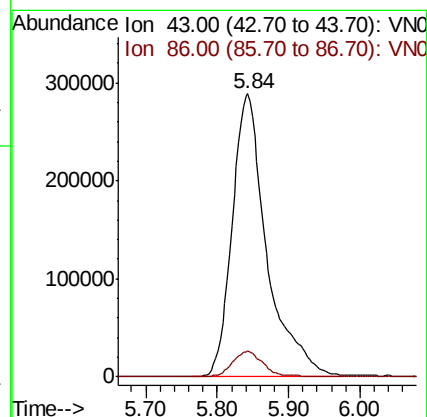
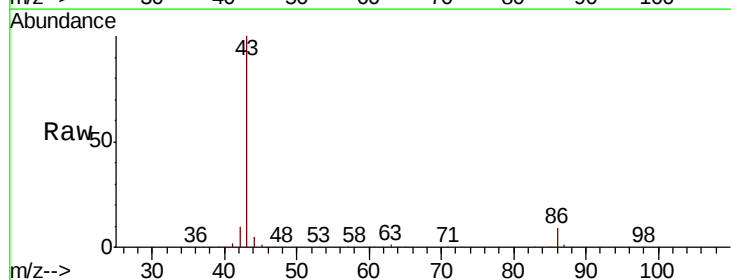
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

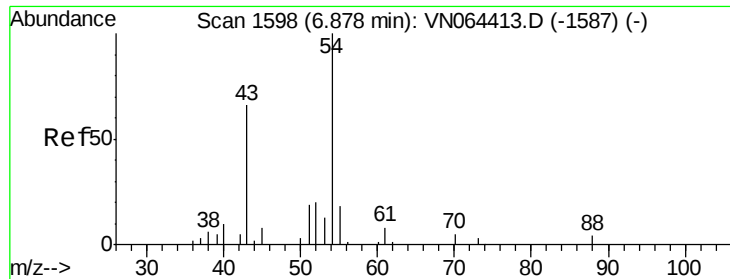
Tot Ion: 83 Resp: 111430
 Ion Ratio Lower Upper
 83 100
 85 62.7 50.5 75.7
 127 9.2 7.0 10.6



#42
 Vinyl Acetate
 Concen: 92.140 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion: 43 Resp: 976503
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7





#43

Ethyl Acetate

Concen: 19.242 ug/l

RT: 6.88 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

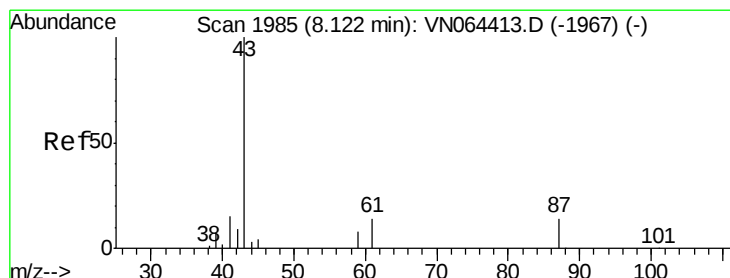
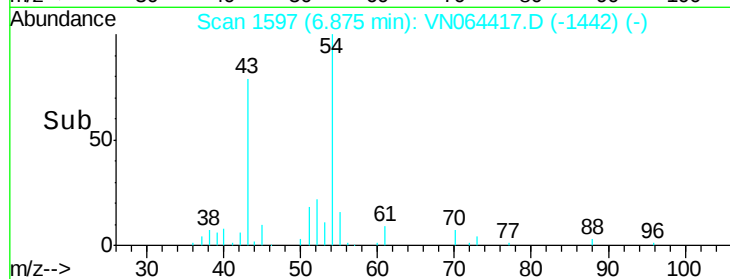
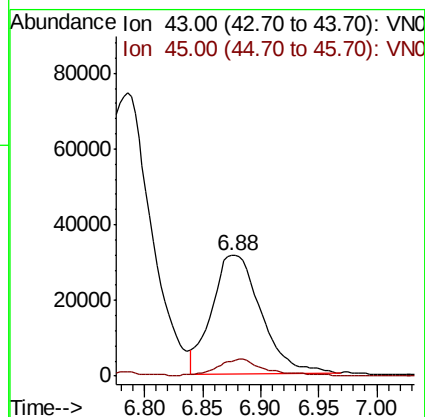
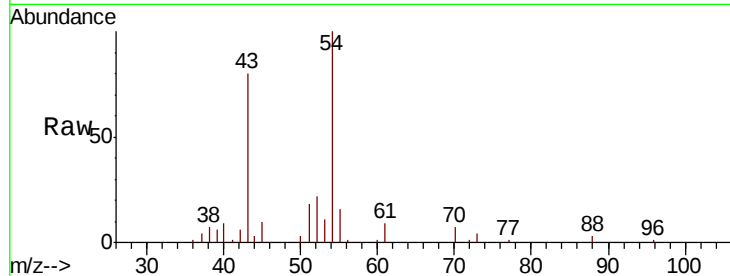
BFB

Tot Ion: 43 Resp: 93282

Ion Ratio Lower Upper

43 100

45 12.1 5.2 7.8#



#44

Isopropyl Acetate

Concen: 18.921 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN064417.D

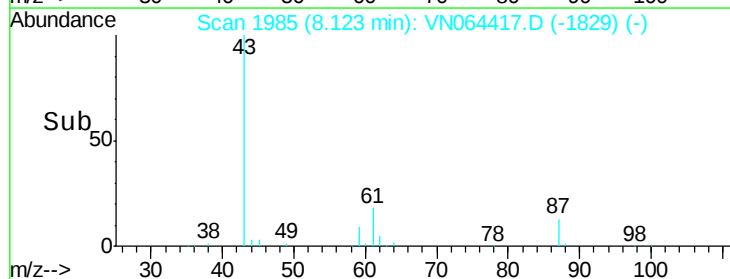
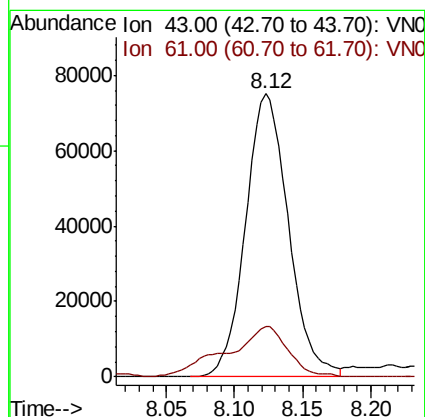
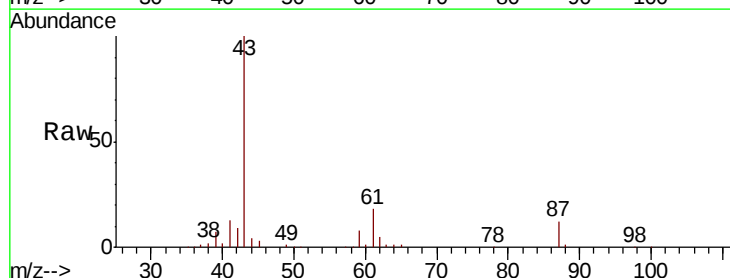
Acq: 2 Nov 2020 16:15

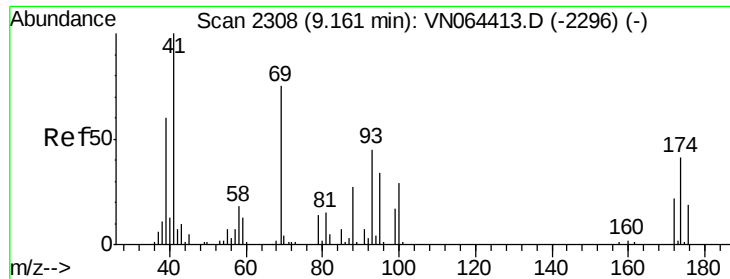
Tgt Ion: 43 Resp: 163162

Ion Ratio Lower Upper

43 100

61 16.4 0.2 0.4#

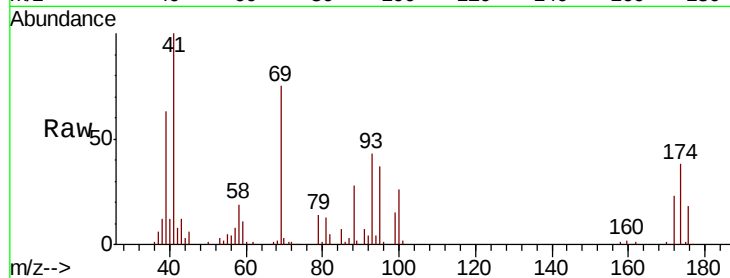




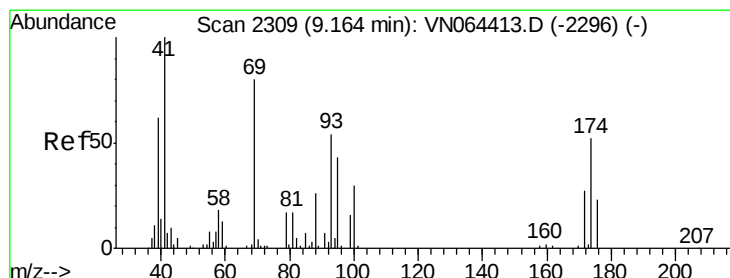
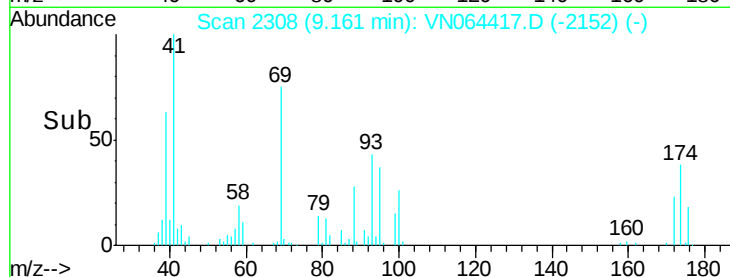
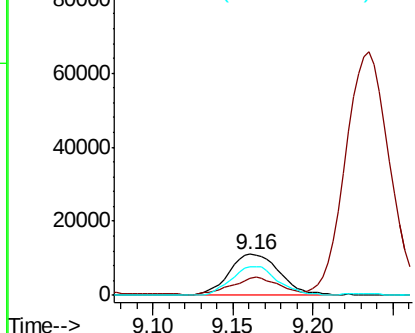
#45
1,4-Dioxane
Concen: 402.533 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Instrument :
MSVOA_Y
ClientSampled :
BFB

Tot Ion: 88 Resp: 24358
Ion Ratio Lower Upper
88 100
43 41.2 32.0 48.0
58 60.7 59.1 88.7

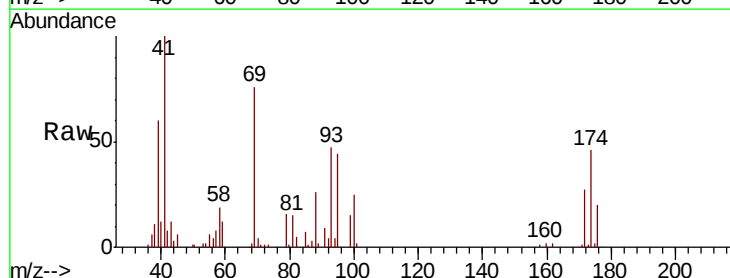


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

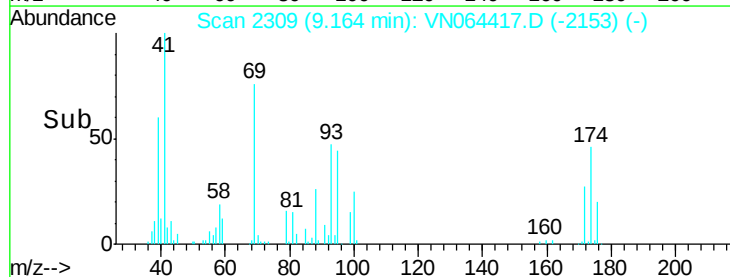
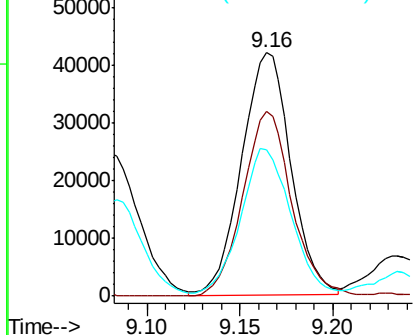


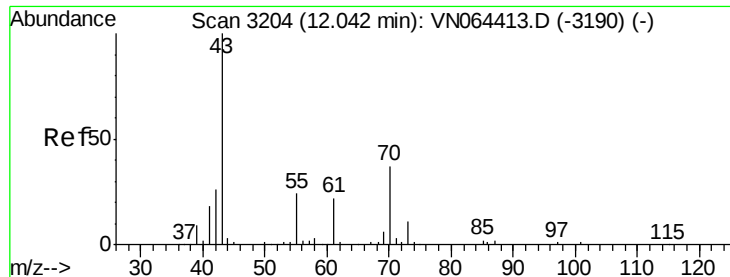
#46
Methyl methacrylate
Concen: 18.327 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 41 Resp: 78021
Ion Ratio Lower Upper
41 100
69 77.2 39.8 119.4
39 59.5 30.5 91.5



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

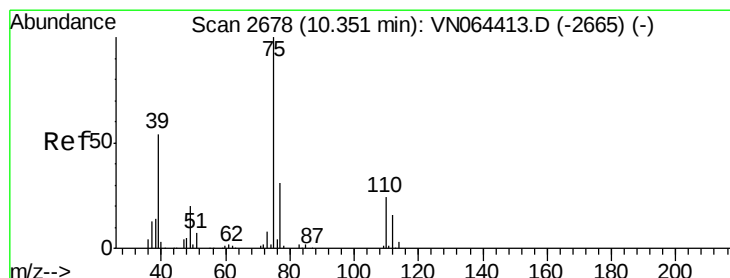
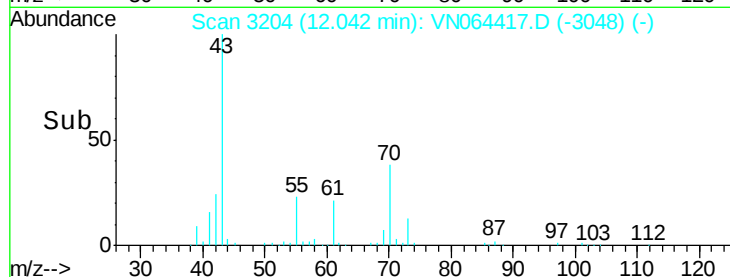
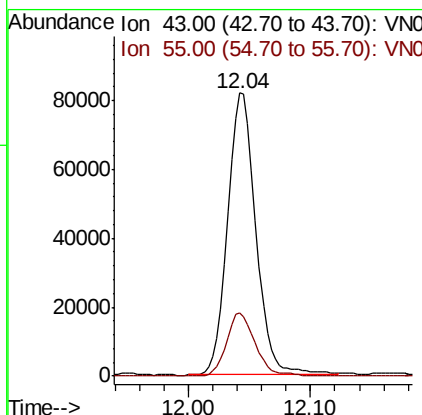
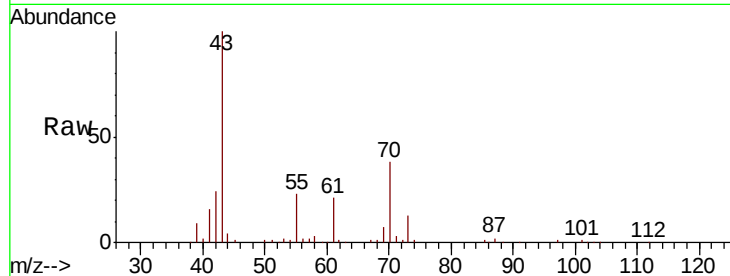




#47
n-amvl Acetate
Concen: 18.181 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

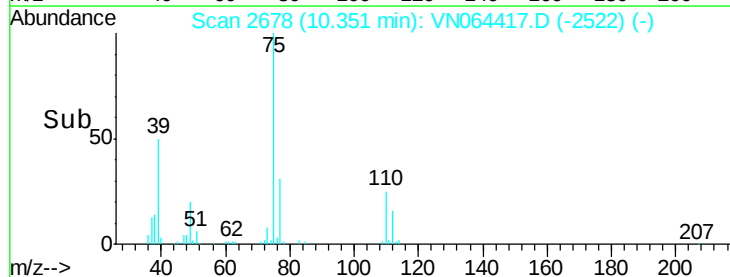
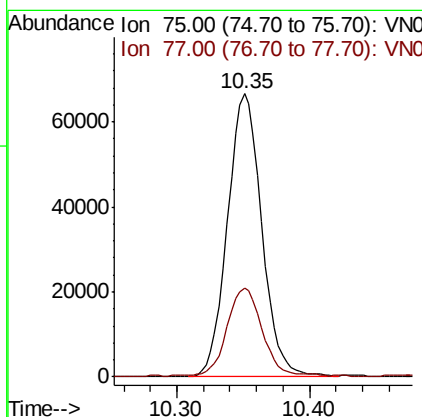
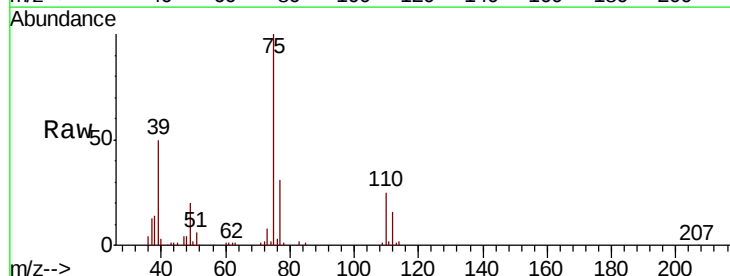
Instrument :
MSVOA_Y
ClientSampleId :
BFB

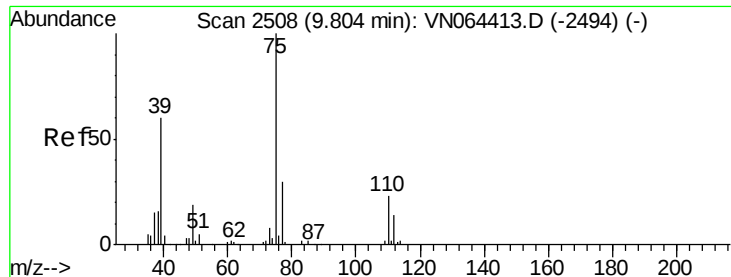
Tot Ion: 43 Resp: 133347
Ion Ratio Lower Upper
43 100
55 22.8 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 17.690 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 75 Resp: 119800
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3





#49

cis-1,3-Dichloropropene

Concen: 17.900 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

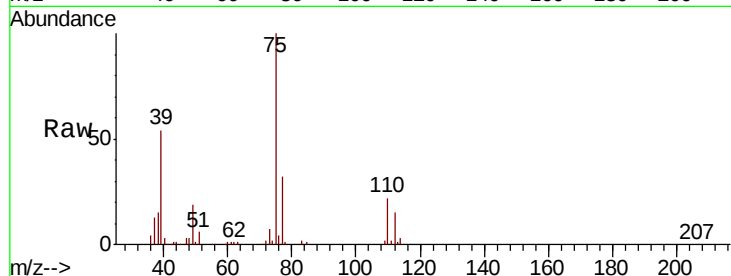
Tot Ion: 75 Resp: 125434

Ion Ratio Lower Upper

75 100

77 32.5 24.3 36.5

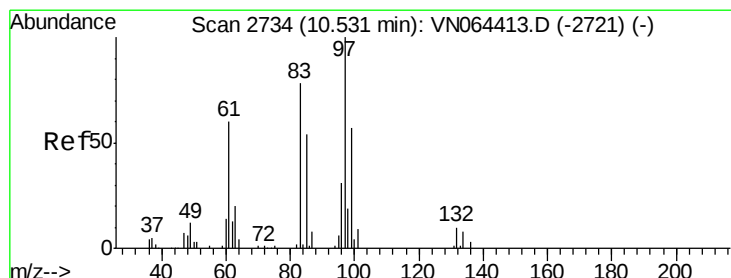
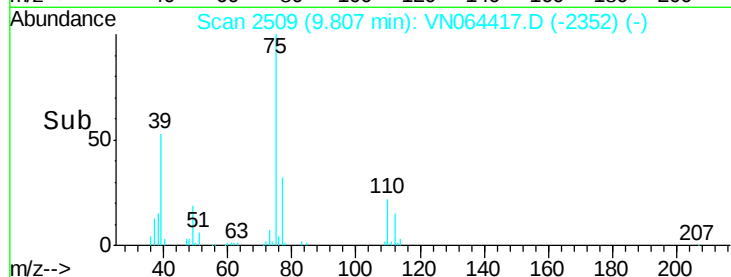
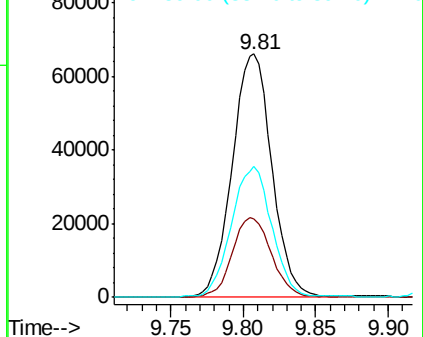
39 53.1 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VN064417.D (-2508) (-)

Ion 77.00 (76.70 to 77.70): VN064417.D (-2508) (-)

Ion 39.00 (38.70 to 39.70): VN064417.D (-2508) (-)



#50

1,1,2-Trichloroethane

Concen: 17.892 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Tgt Ion: 97 Resp: 69793

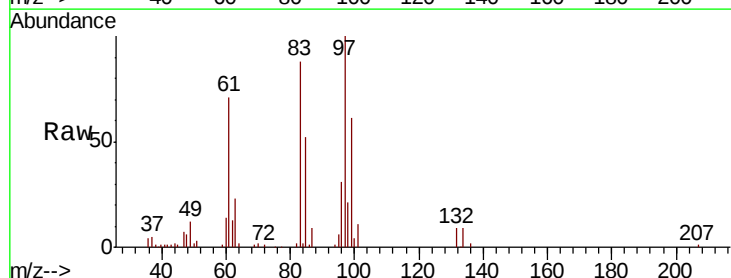
Ion Ratio Lower Upper

97 100

83 87.6 62.4 93.6

85 51.6 42.9 64.3

99 61.2 45.7 68.5

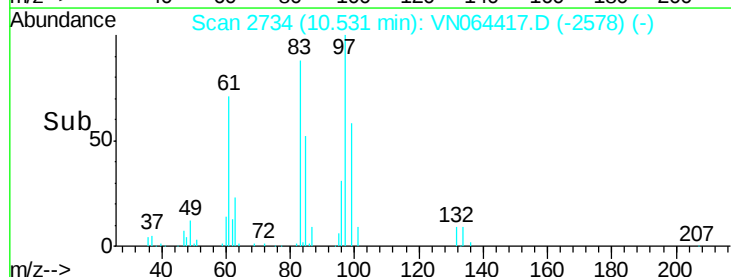
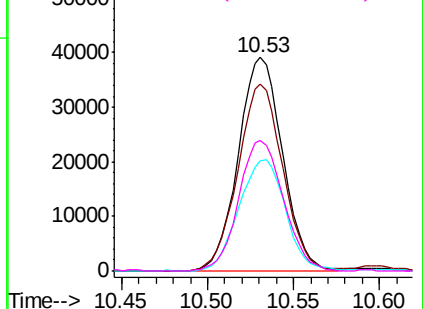


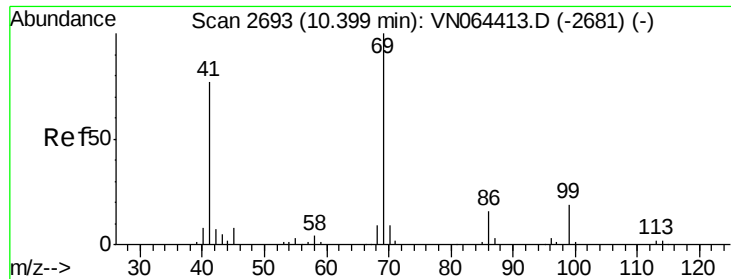
Abundance Ion 97.00 (96.70 to 97.70): VN064417.D (-2734) (-)

Ion 82.95 (82.65 to 83.65): VN064417.D (-2734) (-)

Ion 84.95 (84.65 to 85.65): VN064417.D (-2734) (-)

Ion 98.95 (98.65 to 99.65): VN064417.D (-2734) (-)

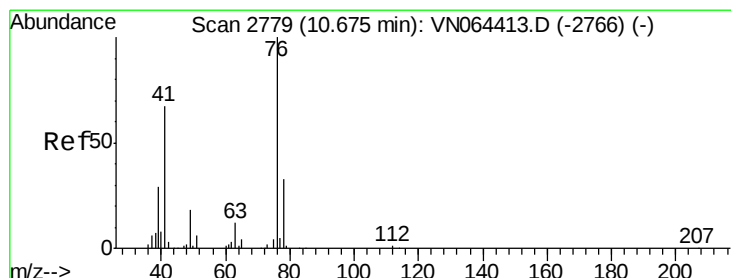
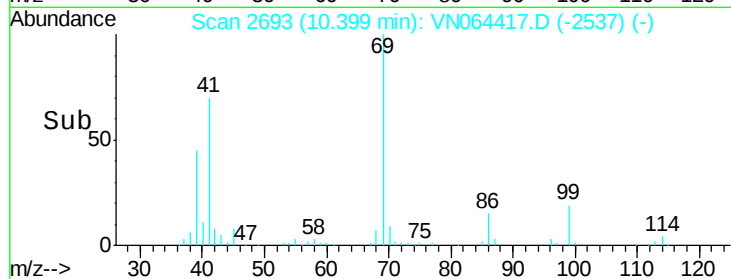
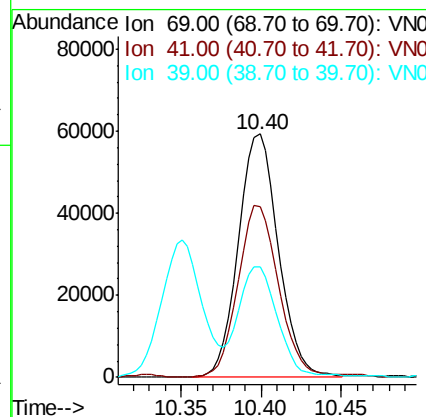
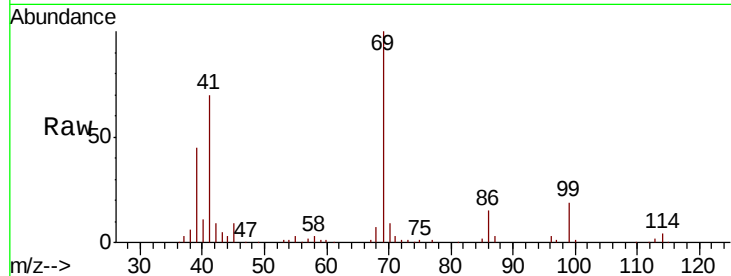




#51
Ethyl methacrylate
Concen: 18.086 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

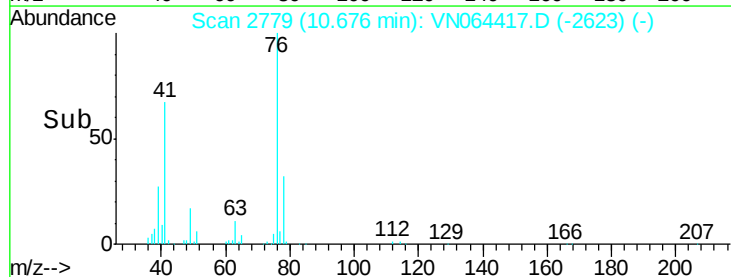
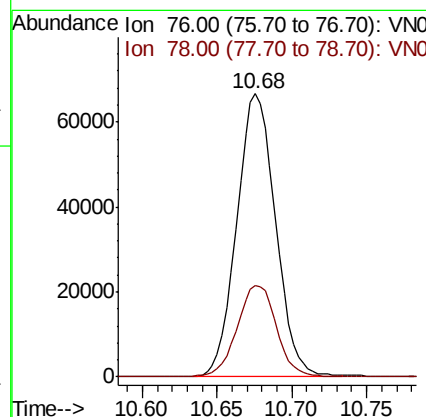
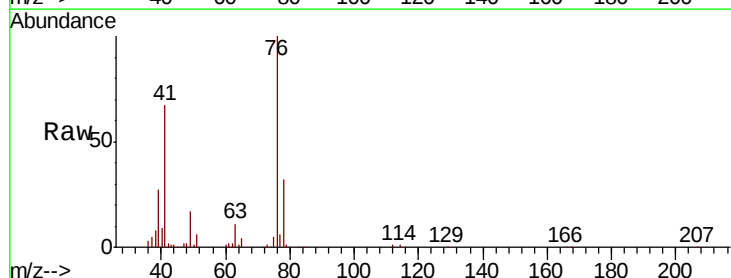
Instrument :
MSVOA_Y
ClientSampleId :
BFB

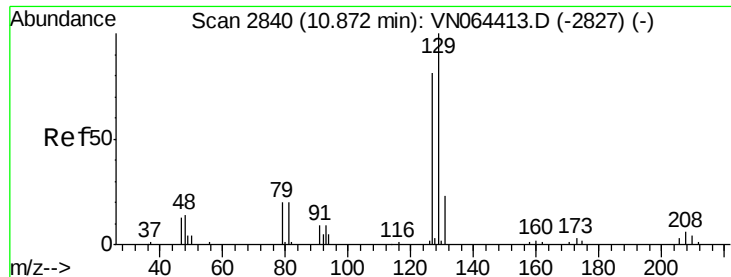
Tot Ion: 69 Resp: 101344
Ion Ratio Lower Upper
69 100
41 70.3 38.4 115.2
39 44.5 22.7 68.0



#52
1,3-Dichloropropane
Concen: 18.306 ug/l
RT: 10.68 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 76 Resp: 120415
Ion Ratio Lower Upper
76 100
78 32.7 0.0 65.2





#53

Dibromochloromethane

Concen: 17.966 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

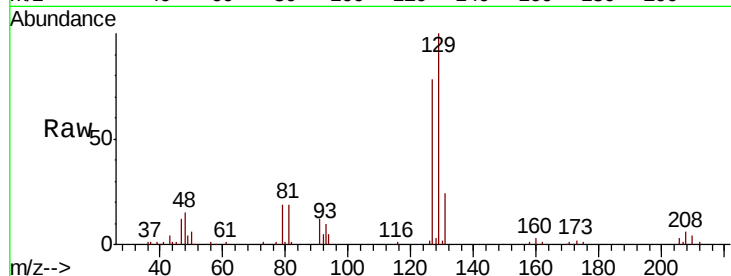
BFB

Tot Ion:129 Resp: 86081

Ion Ratio Lower Upper

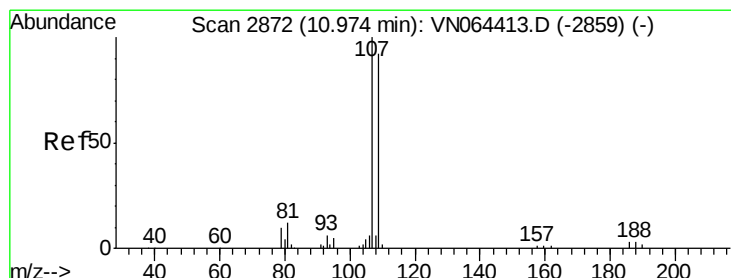
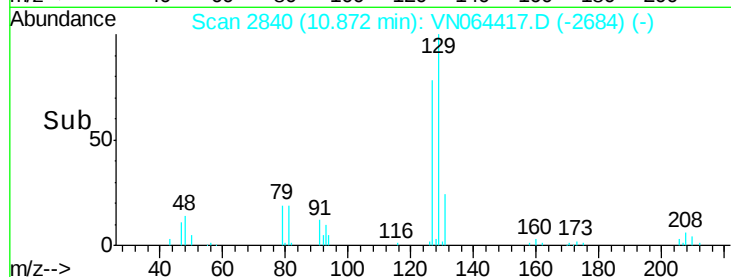
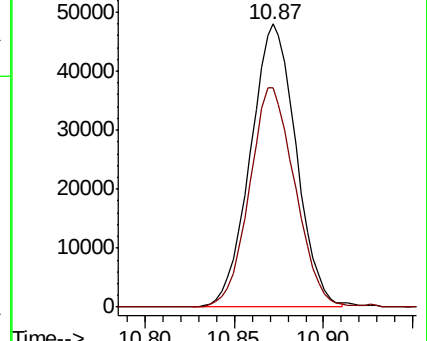
129 100

127 77.2 38.6 115.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.216 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN064417.D

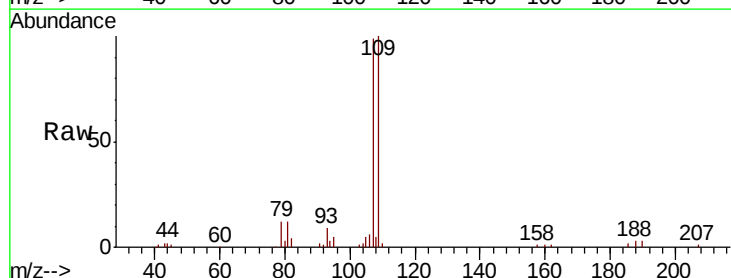
Acq: 2 Nov 2020 16:15

Tgt Ion:107 Resp: 71884

Ion Ratio Lower Upper

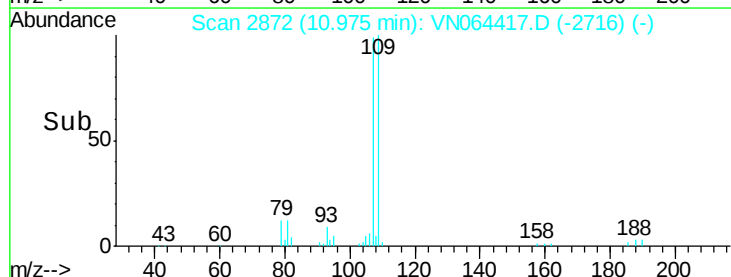
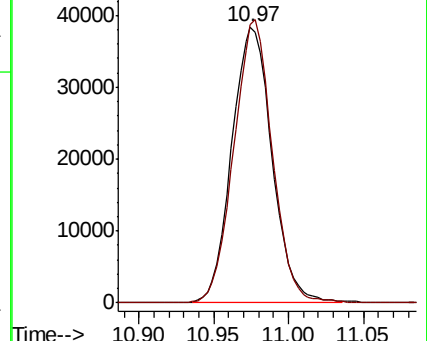
107 100

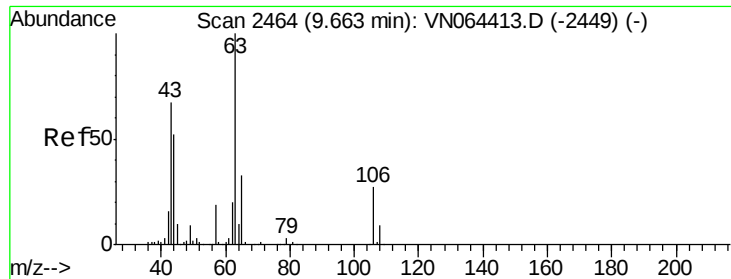
109 98.1 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 89.845 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

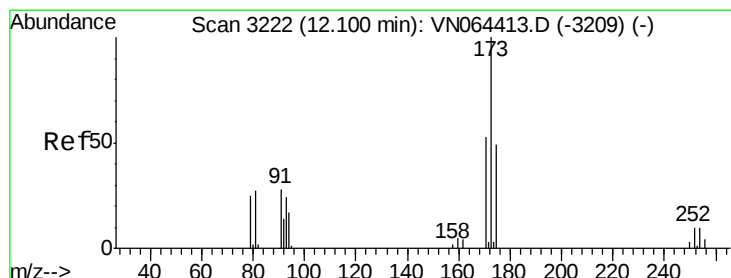
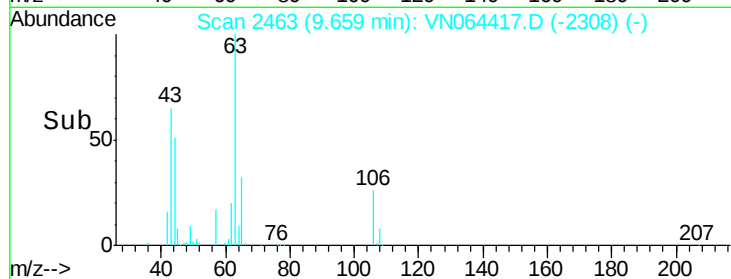
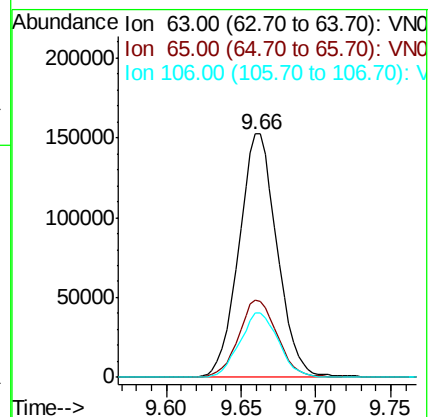
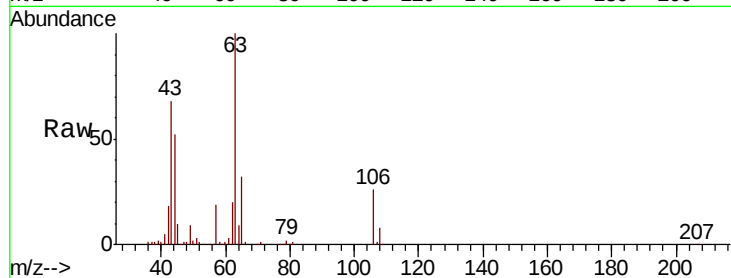
Tot Ion: 63 Resp: 270586

Ion Ratio Lower Upper

63 100

65 32.1 26.2 39.4

106 26.9 21.8 32.6



#56

Bromoform

Concen: 17.481 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

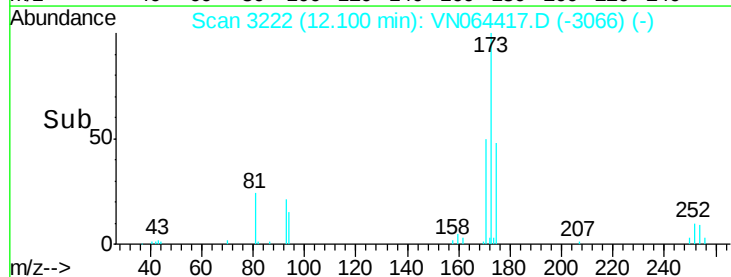
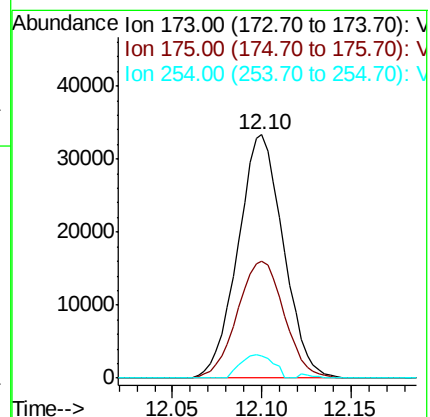
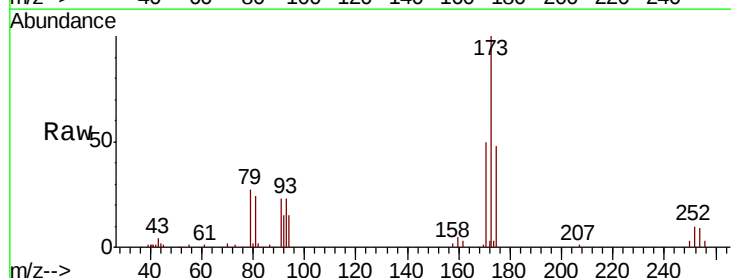
Tgt Ion: 173 Resp: 59077

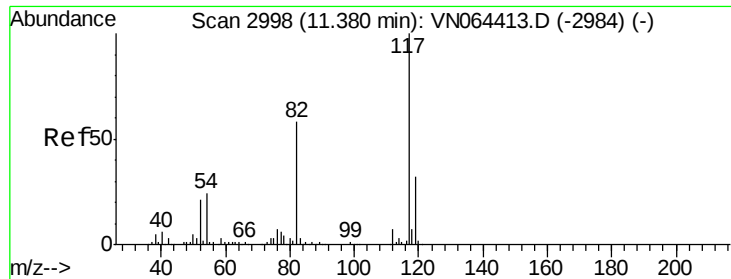
Ion Ratio Lower Upper

173 100

175 49.5 39.0 58.4

254 6.9 7.0 10.6#

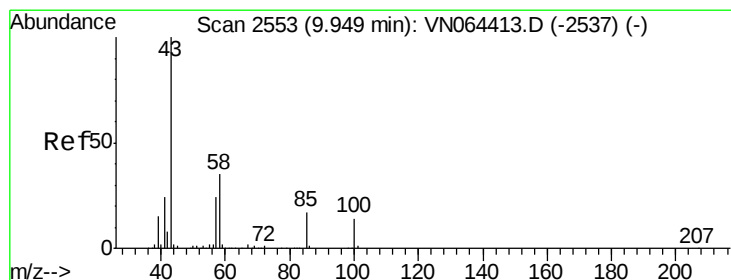
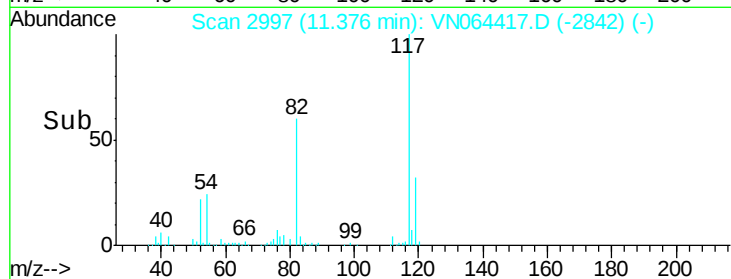
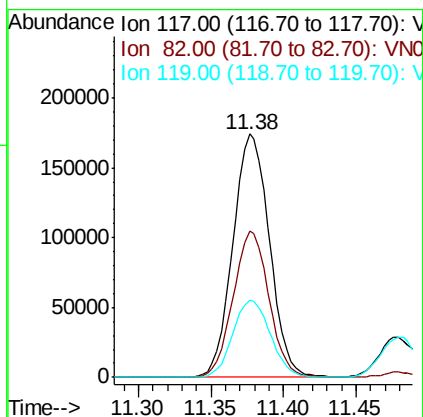
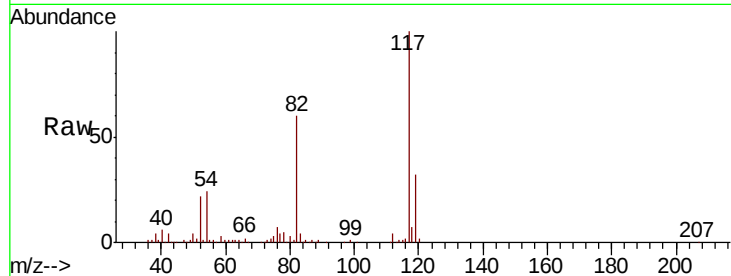




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

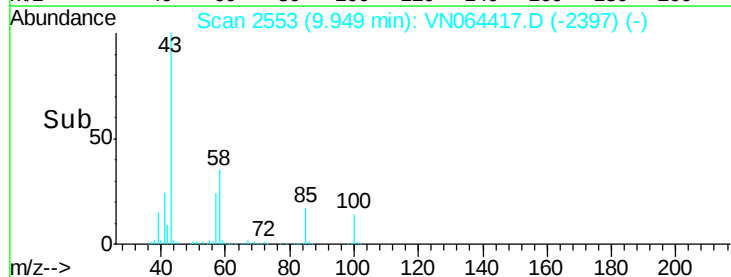
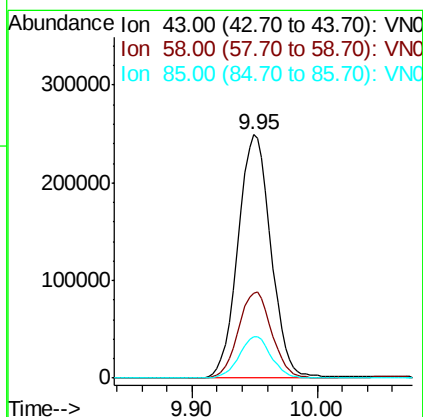
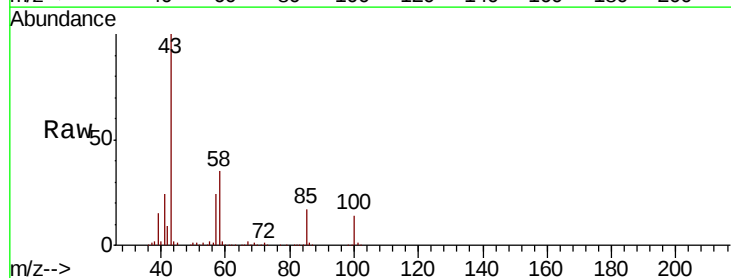
Instrument :
MSVOA_Y
ClientSampleId :
BFB

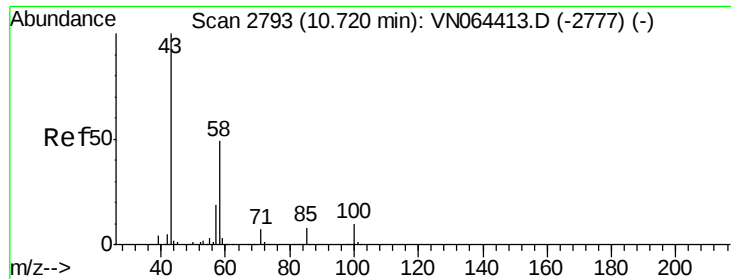
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.1	69.1
119	32.7	26.2	39.2



#58
4-Methyl-2-Pentanone
Concen: 93.905 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	43.0
85	16.7	13.5	20.3

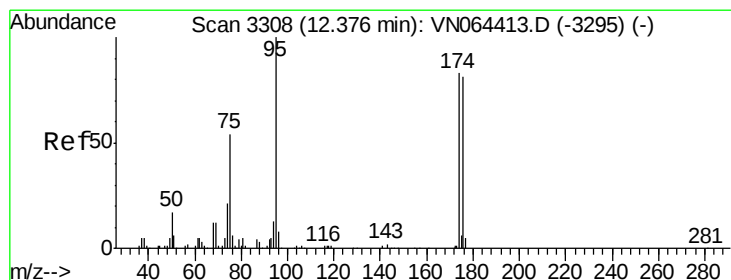
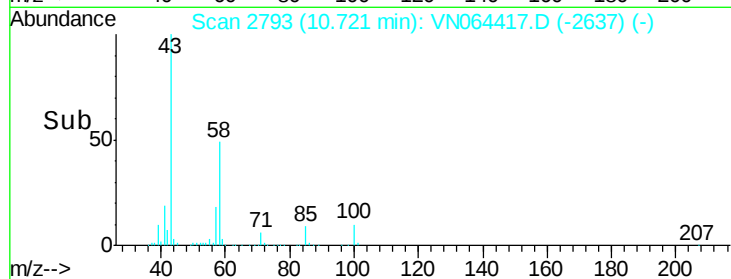
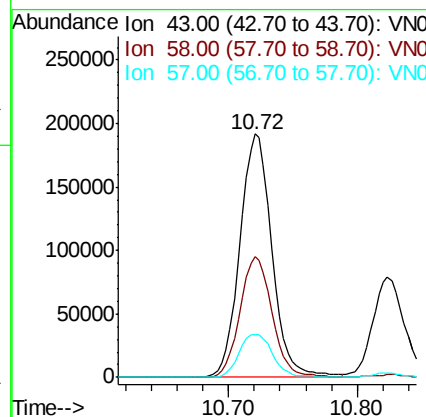
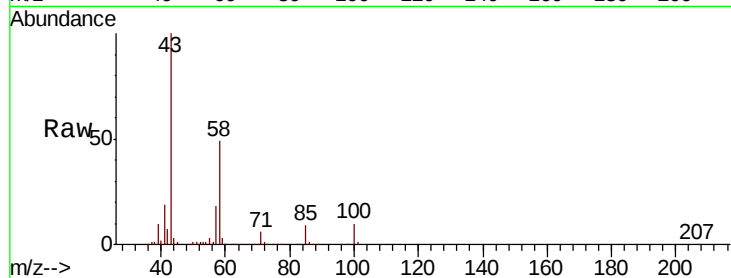




#59
2-Hexanone
Concen: 91.527 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

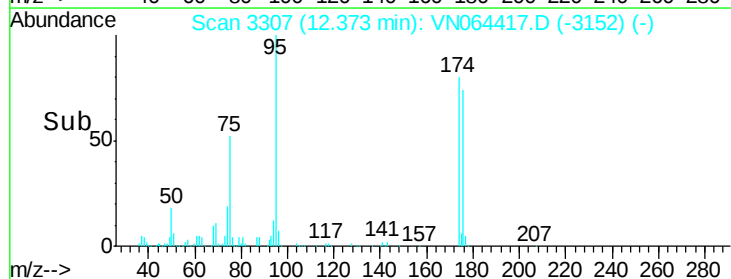
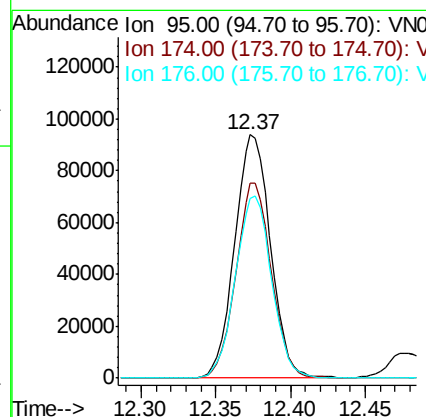
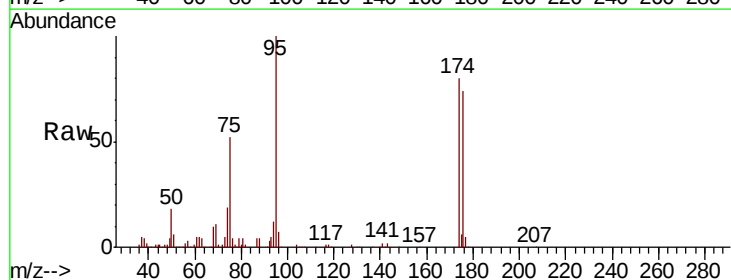
Instrument :
MSVOA_Y
ClientSampleId :
BFB

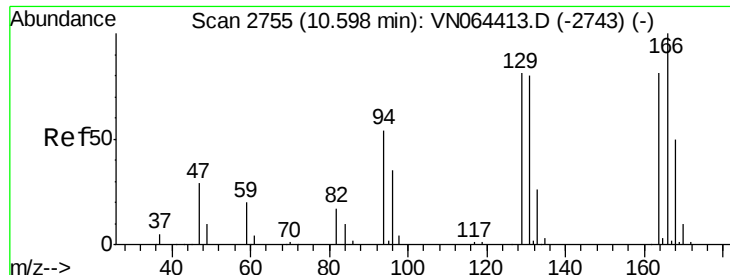
Tot Ion: 43 Resp: 329098
Ion Ratio Lower Upper
43 100
58 49.8 39.4 59.0
57 18.6 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 30.444 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 95 Resp: 157037
Ion Ratio Lower Upper
95 100
174 78.6 65.2 97.8
176 75.3 62.2 93.4





#61

Tetrachloroethene

Concen: 19.052 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

Tot Ion:164 Resp: 78827

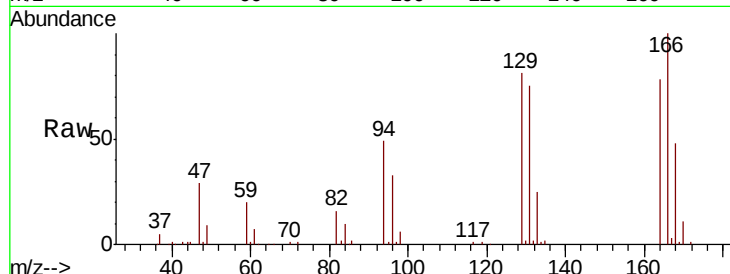
Ion Ratio Lower Upper

164 100

166 128.6 98.7 148.1

129 104.3 80.2 120.4

131 96.5 78.7 118.1

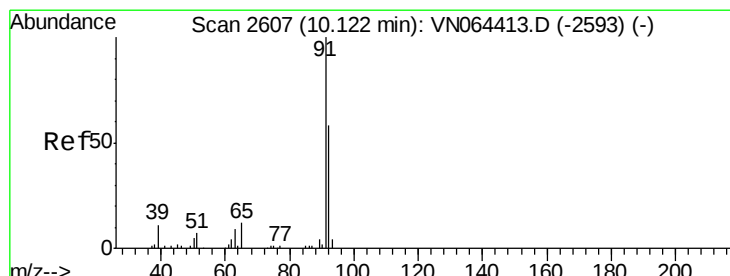
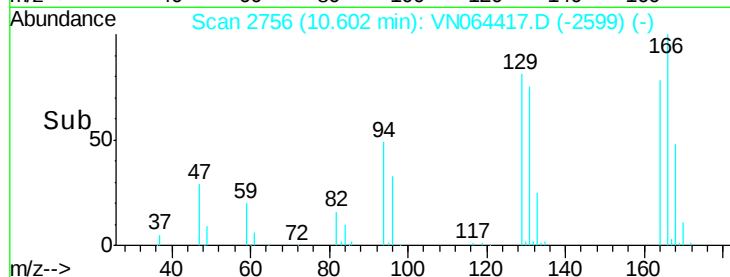
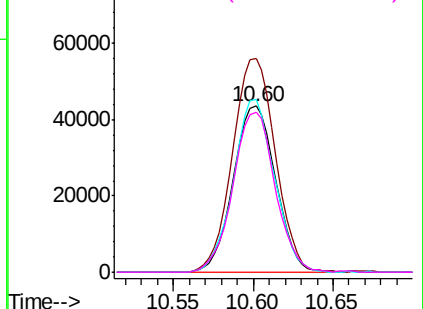


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.162 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064417.D

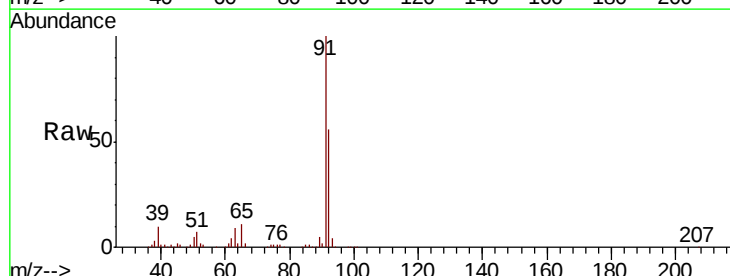
Acq: 2 Nov 2020 16:15

Tgt Ion: 91 Resp: 327597

Ion Ratio Lower Upper

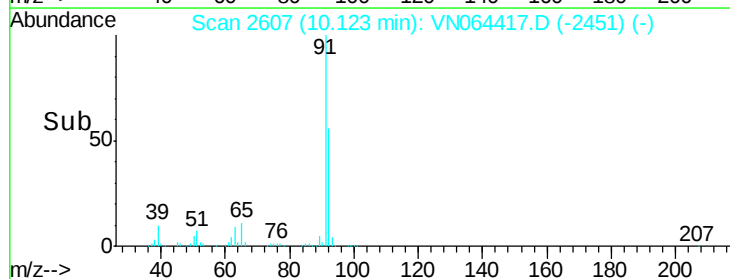
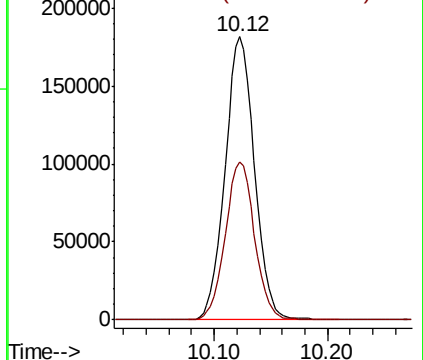
91 100

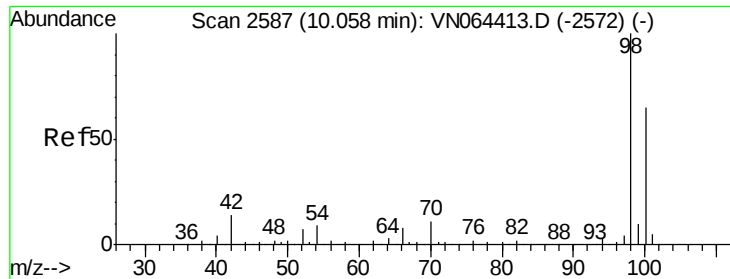
92 55.8 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.371 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

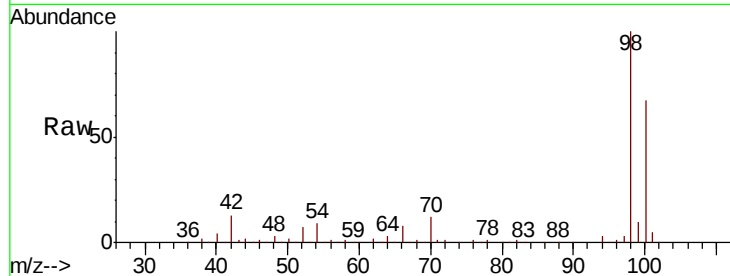
BFB

Tot Ion: 98 Resp: 413361

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN064417.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064417.D (-2572) (-)

10.06

250000

200000

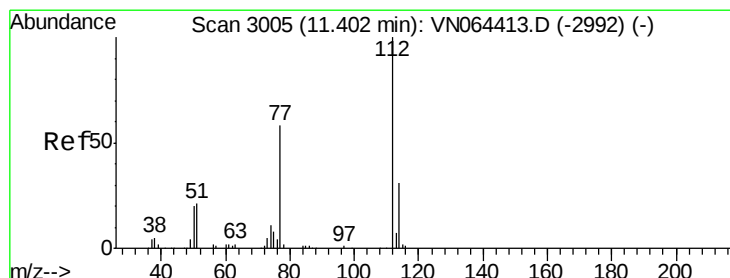
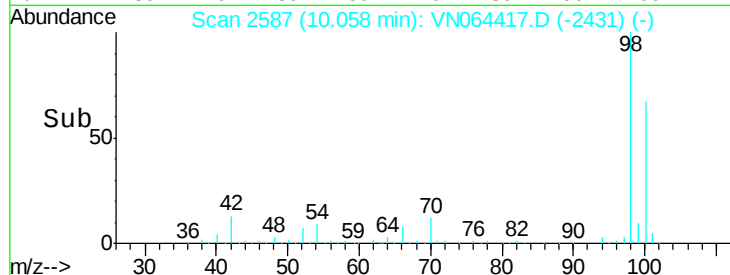
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 18.670 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064417.D

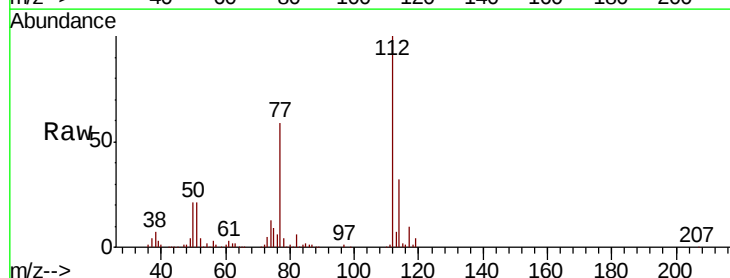
Acq: 2 Nov 2020 16:15

Tgt Ion: 112 Resp: 199811

Ion Ratio Lower Upper

112 100

114 31.8 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): VN064417.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064417.D (-2992) (-)

11.41

120000

100000

80000

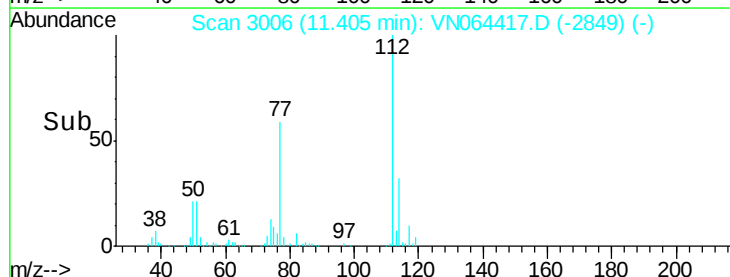
60000

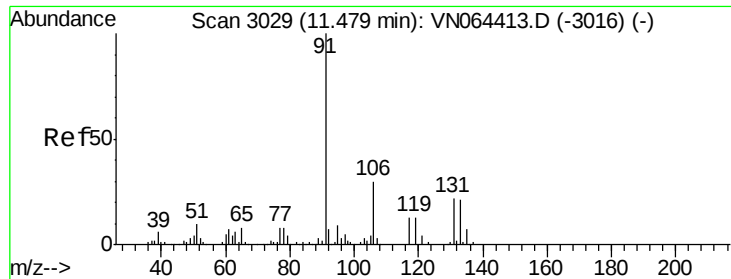
40000

20000

0

Time-->

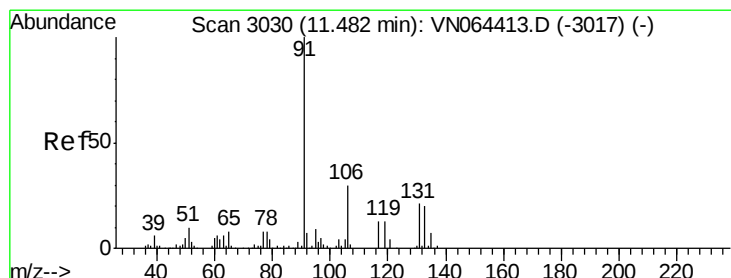
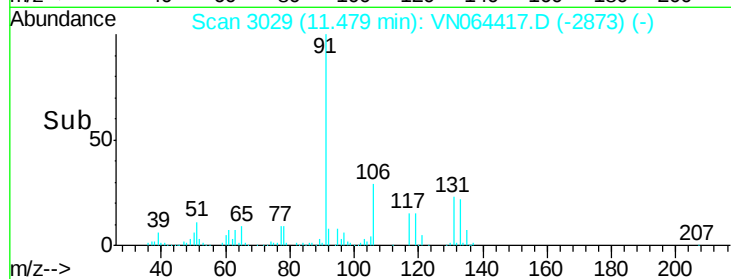
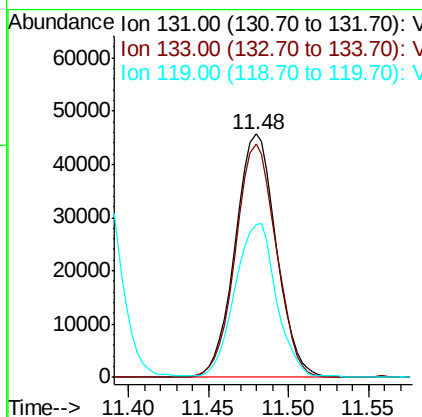
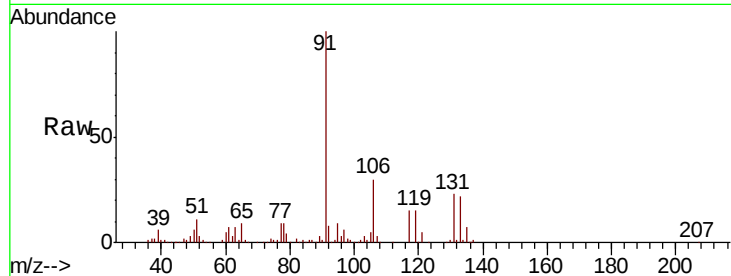




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.241 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

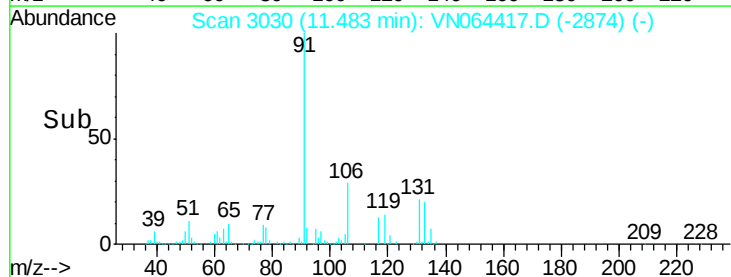
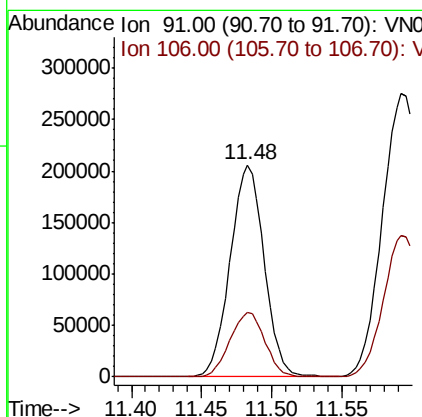
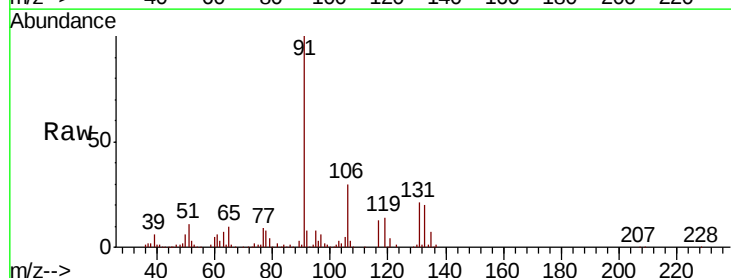
Instrument :
 MSVOA_Y
 ClientSampled :
 BFB

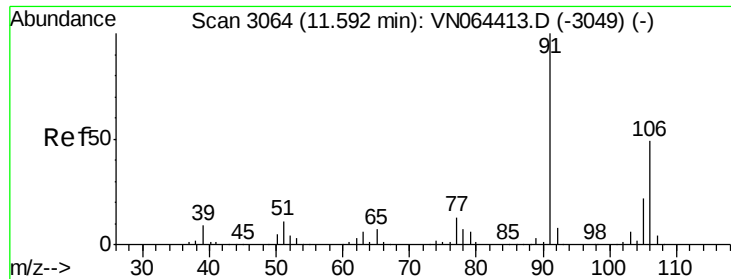
Tot Ion:131 Resp: 80007
 Ion Ratio Lower Upper
 131 100
 133 94.8 0.0 191.2
 119 62.4 0.0 125.6



#66
 Ethyl Benzene
 Concen: 18.440 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion: 91 Resp: 347867
 Ion Ratio Lower Upper
 91 100
 106 30.4 23.9 35.9

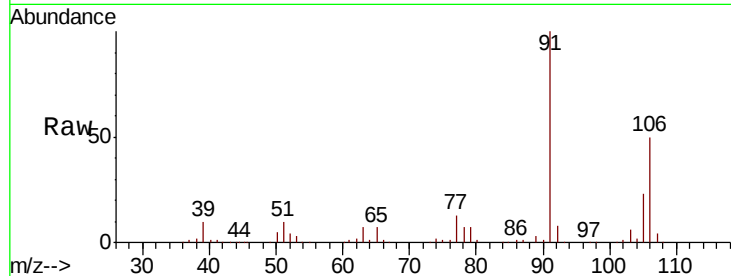




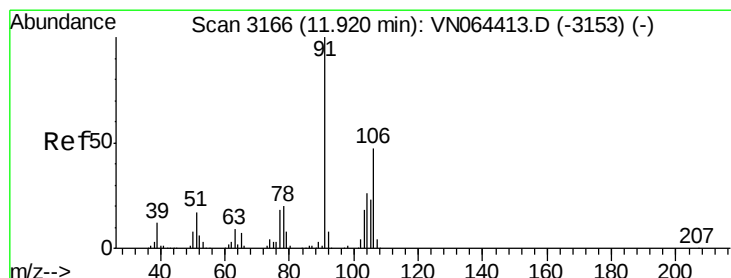
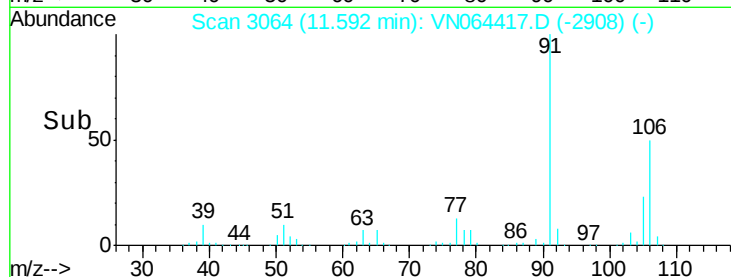
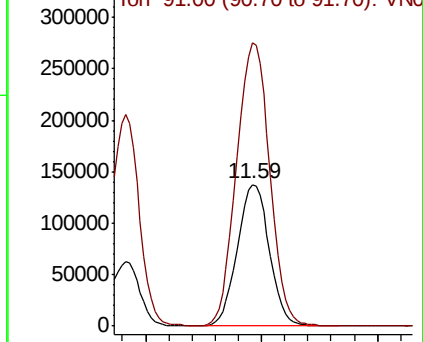
#67
m/p-Xylenes
Concen: 37.083 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Instrument :
MSVOA_Y
ClientSampled :
BFB

Tot Ion:106 Resp: 263122
Ion Ratio Lower Upper
106 100
91 208.4 166.8 250.2

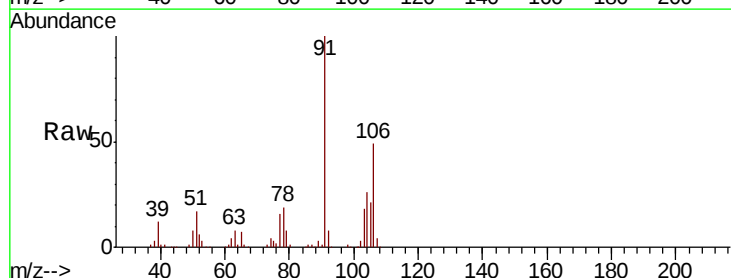


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

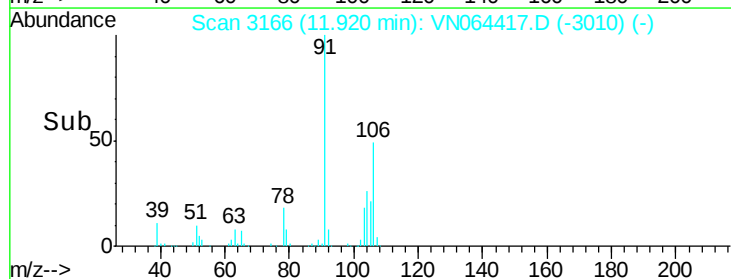
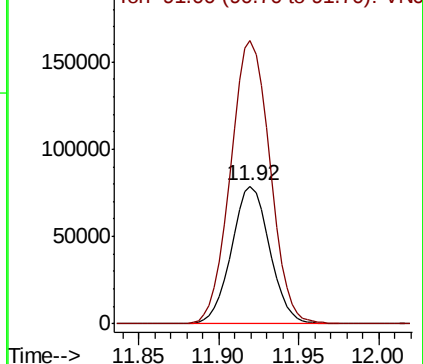


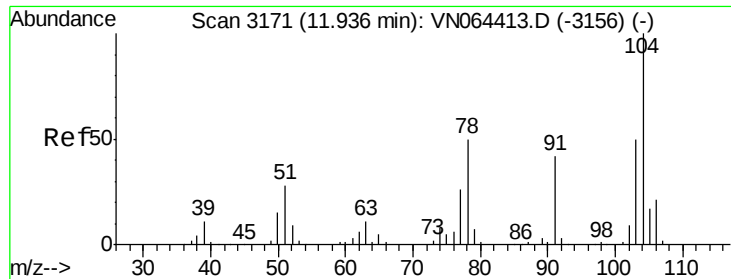
#68
o-Xylene
Concen: 18.745 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion:106 Resp: 128173
Ion Ratio Lower Upper
106 100
91 212.3 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

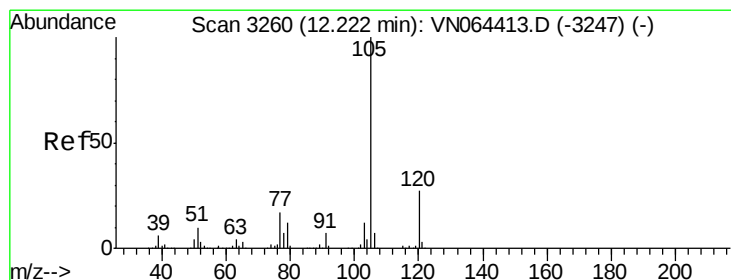
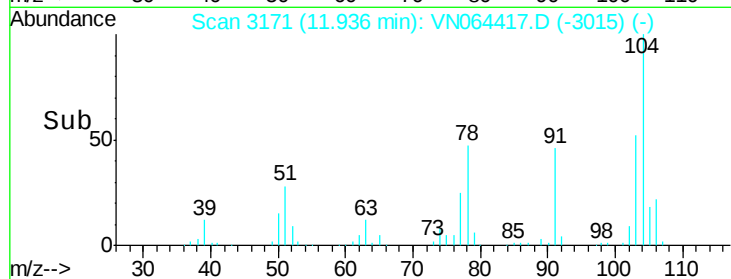
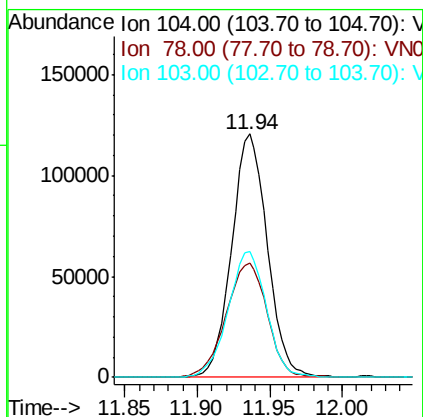
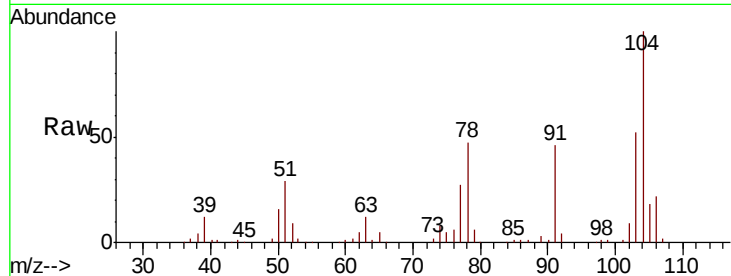




#69
Stvrene
Concen: 18.130 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

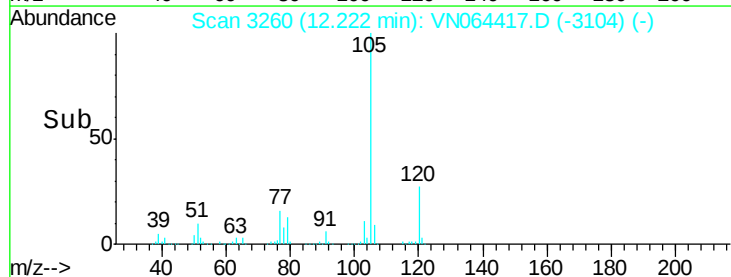
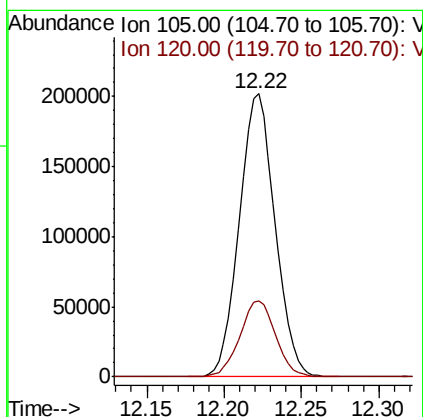
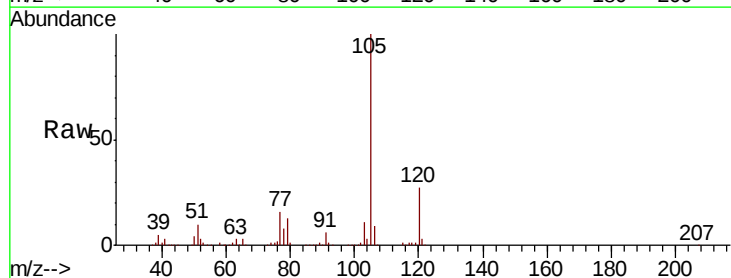
Instrument :
MSVOA_Y
ClientSampleId :
BFB

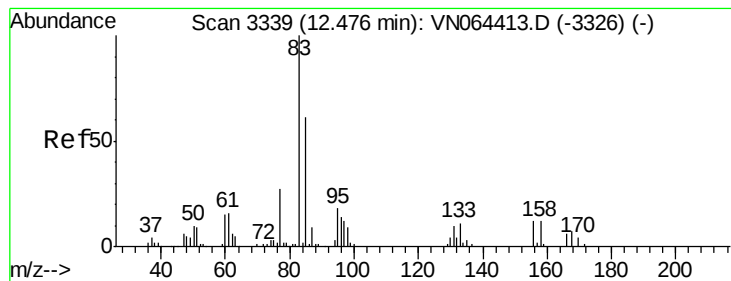
Tot Ion:104 Resp: 206705
Ion Ratio Lower Upper
104 100
78 54.2 44.3 66.5
103 55.4 43.5 65.3



#70
Isopropylbenzene
Concen: 18.350 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion:105 Resp: 324603
Ion Ratio Lower Upper
105 100
120 27.0 18.0 33.4





#71

1,1,2,2-Tetrachloroethane

Concen: 18.679 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

BFB

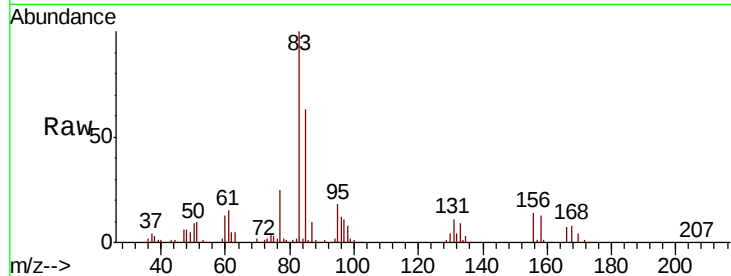
Tot Ion: 83 Resp: 91884

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

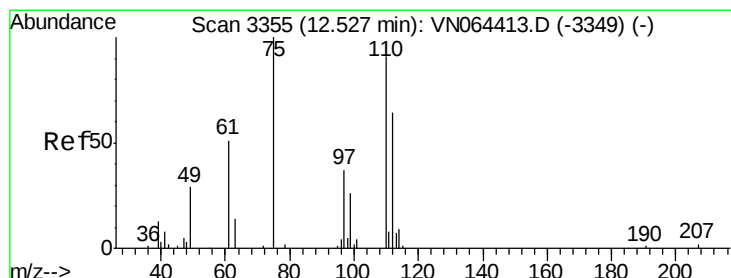
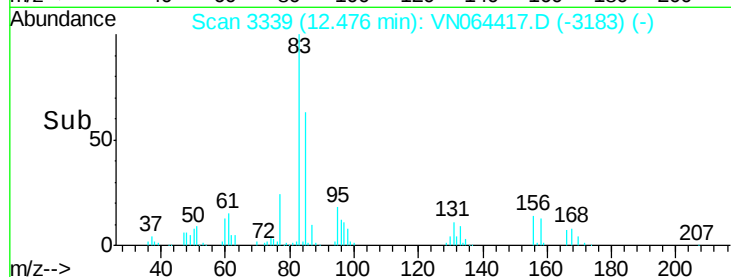
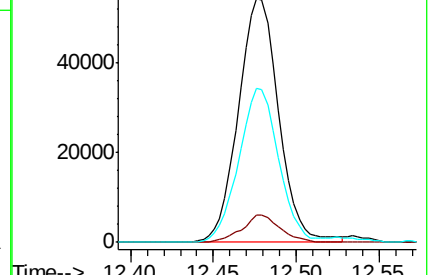
85 62.2 30.9 92.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 24.129 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064417.D

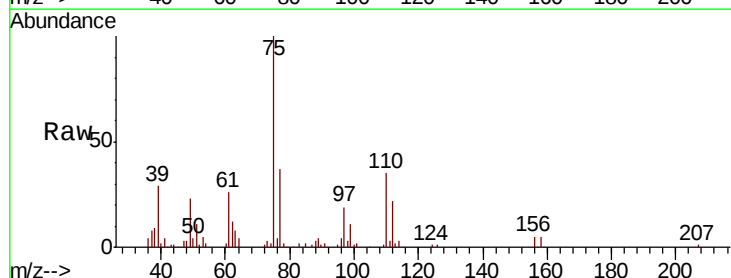
Acq: 2 Nov 2020 16:15

Tgt Ion: 75 Resp: 132858

Ion Ratio Lower Upper

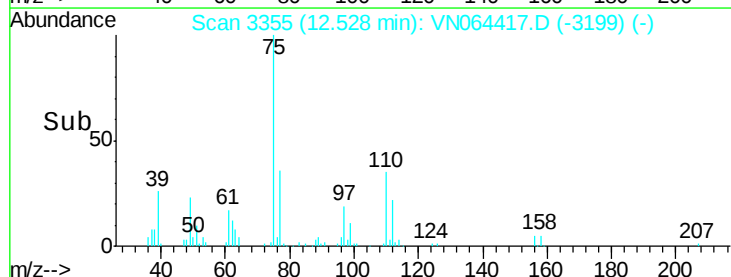
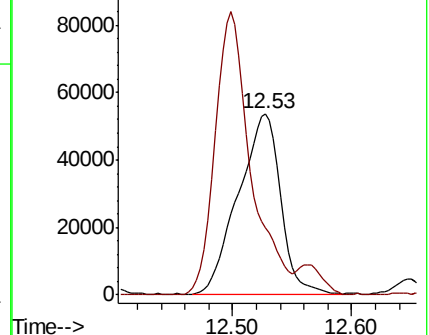
75 100

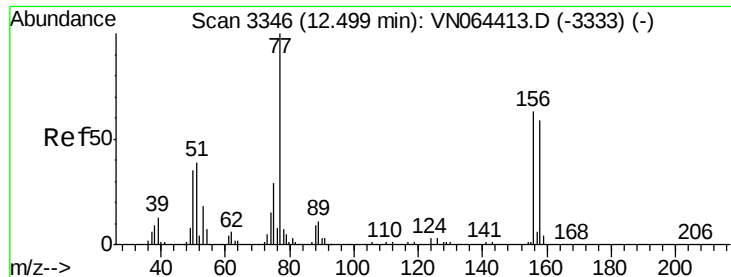
77 131.3 0.0 374.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.783 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

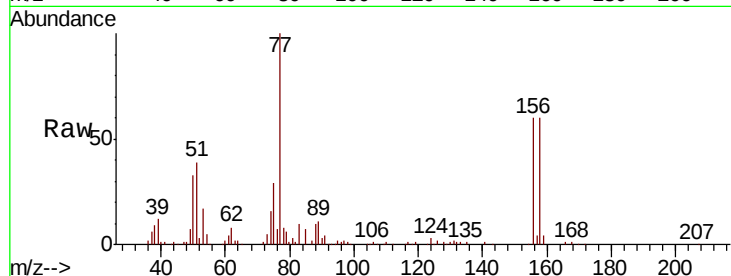
Tot Ion:156 Resp: 86212

Ion Ratio Lower Upper

156 100

77 202.4 0.0 409.4

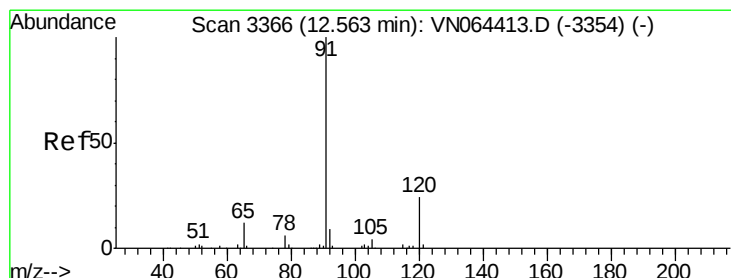
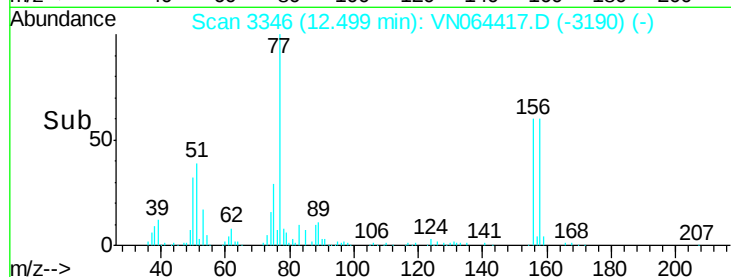
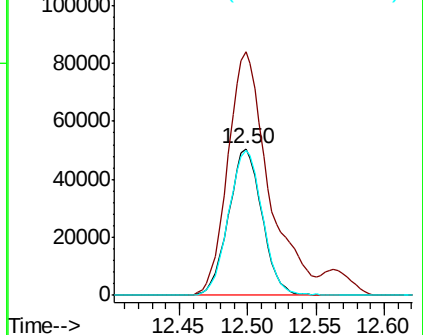
158 100.3 0.0 192.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.774 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064417.D

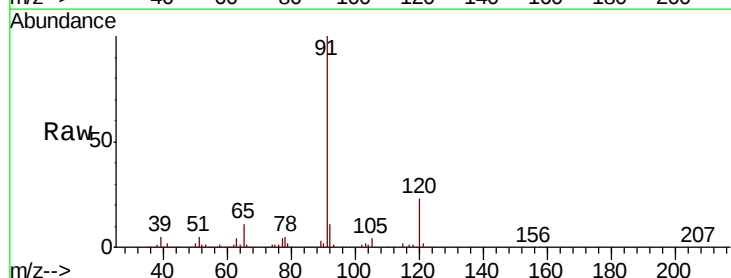
Acq: 2 Nov 2020 16:15

Tgt Ion: 91 Resp: 364163

Ion Ratio Lower Upper

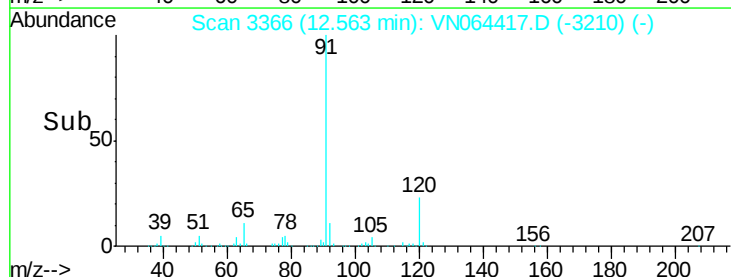
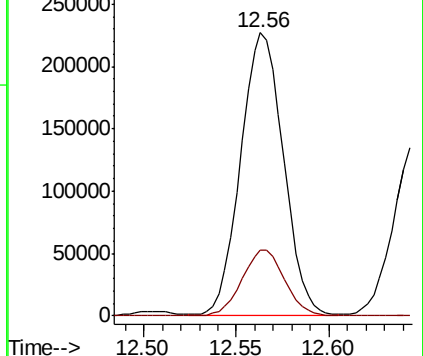
91 100

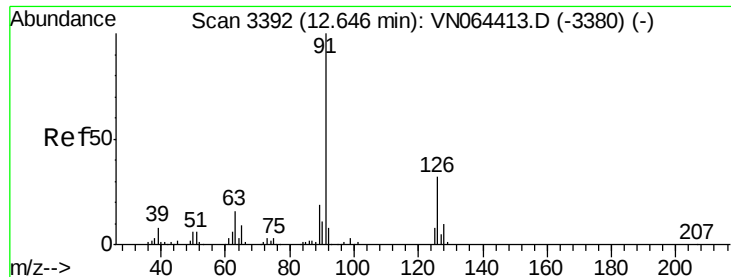
120 23.1 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.104 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

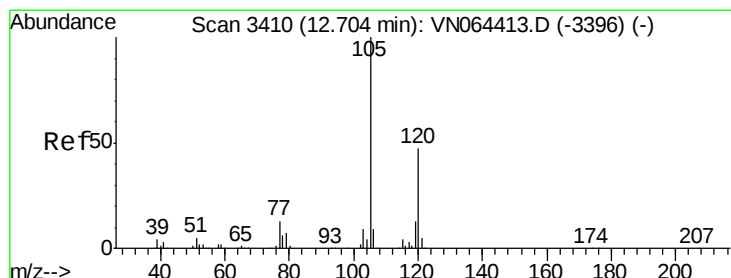
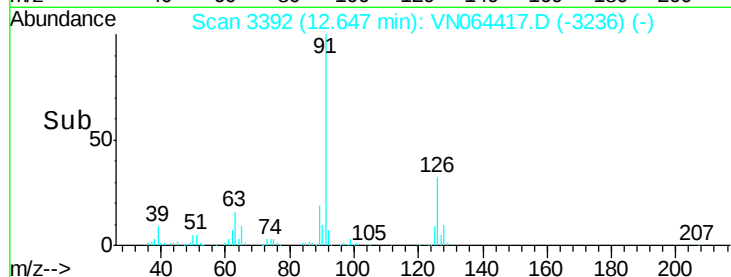
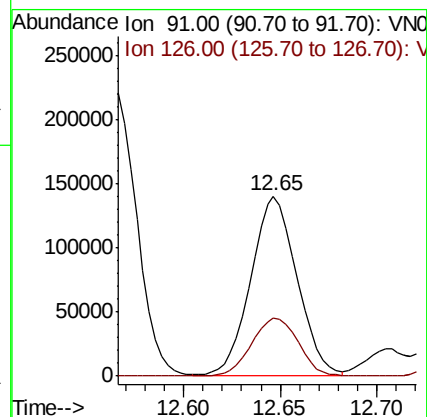
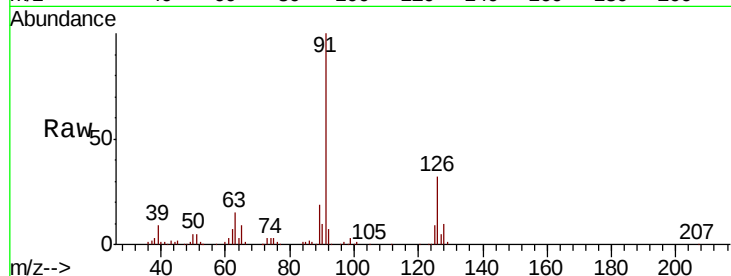
BFB

Tot Ion: 91 Resp: 234741

Ion Ratio Lower Upper

91 100

126 32.5 0.0 63.8



#76

1,3,5-Trimethylbenzene

Concen: 18.934 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064417.D

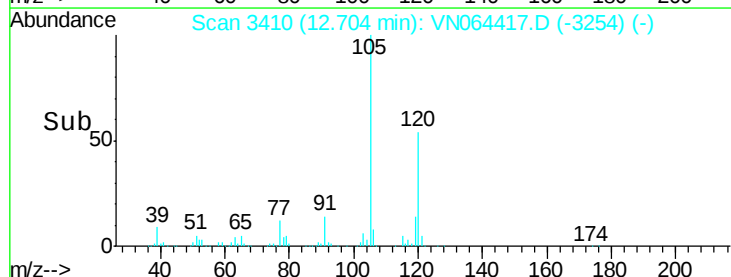
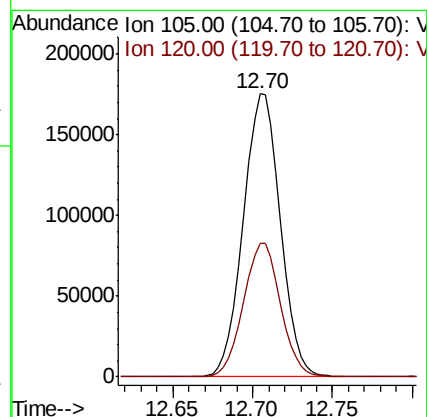
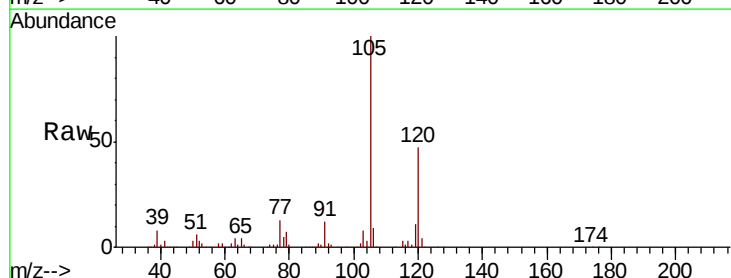
Acq: 2 Nov 2020 16:15

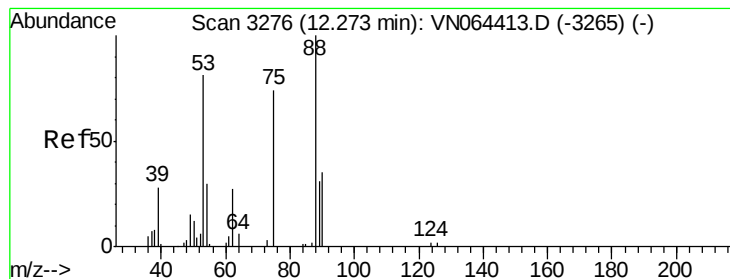
Tgt Ion: 105 Resp: 275906

Ion Ratio Lower Upper

105 100

120 47.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.572 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

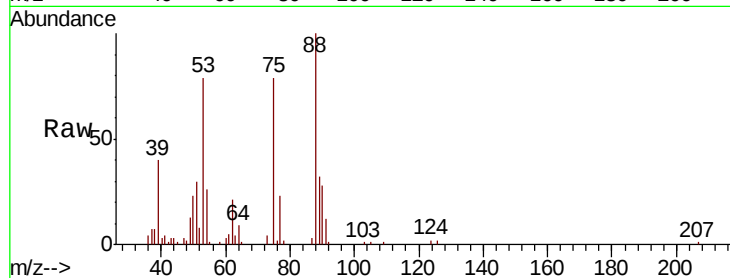
Tot Ion: 75 Resp: 33627

Ion Ratio Lower Upper

75 100

53 99.8 54.1 162.4

89 40.9 23.1 69.3

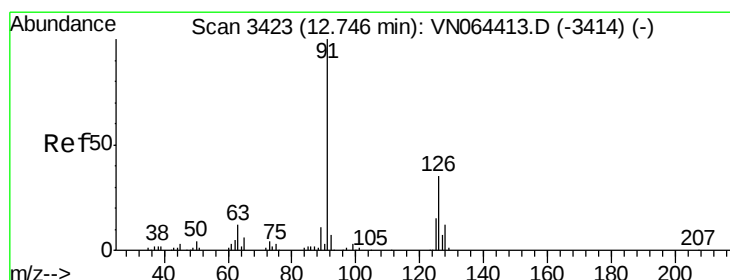
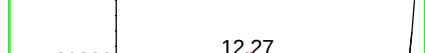
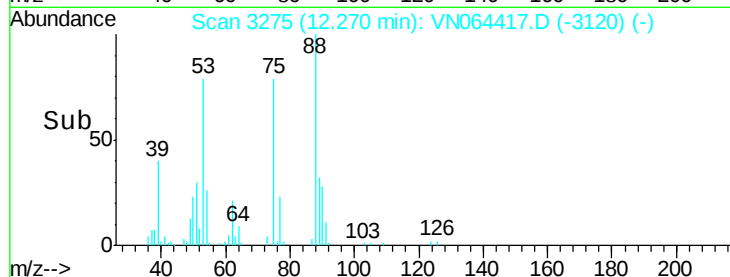


Abundance Ion 75.00 (74.70 to 75.70): VN064417.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN064417.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN064417.D (-3265) (-)

Time-->



#78

4-Chlorotoluene

Concen: 18.918 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064417.D

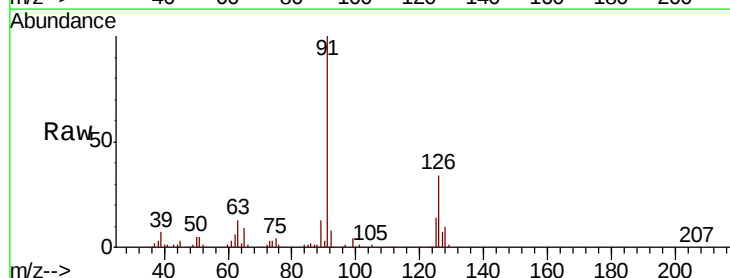
Acq: 2 Nov 2020 16:15

Tgt Ion: 91 Resp: 240161

Ion Ratio Lower Upper

91 100

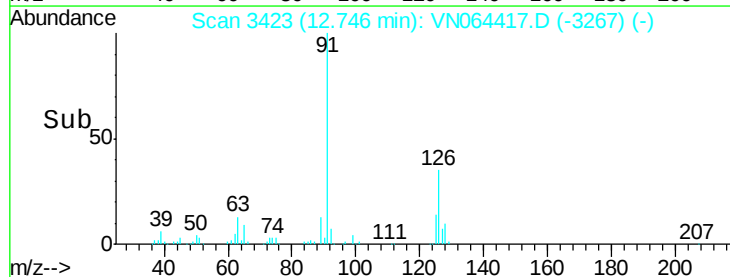
126 33.4 0.0 63.2

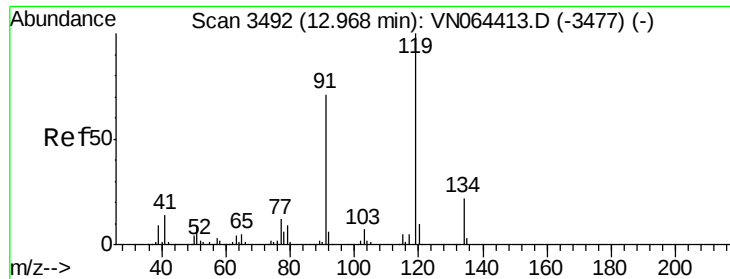


Abundance Ion 91.00 (90.70 to 91.70): VN064417.D (-3414) (-)

Ion 126.00 (125.70 to 126.70): VN064417.D (-3414) (-)

Time-->

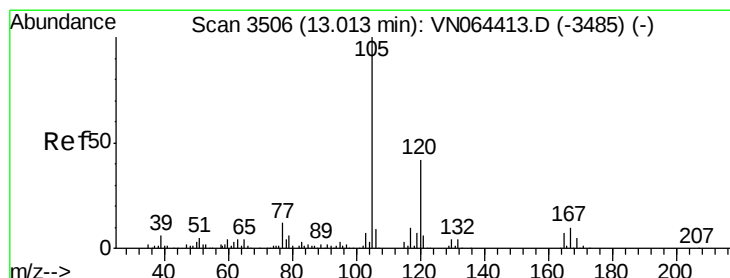
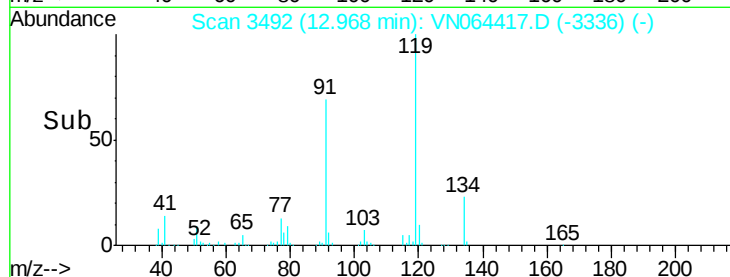
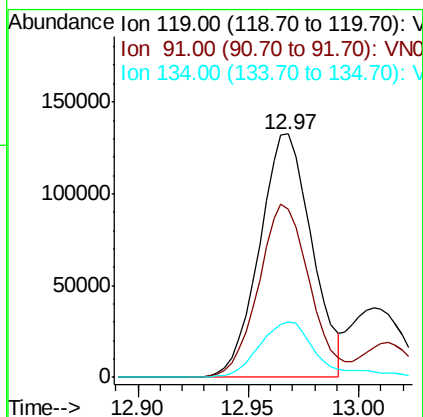
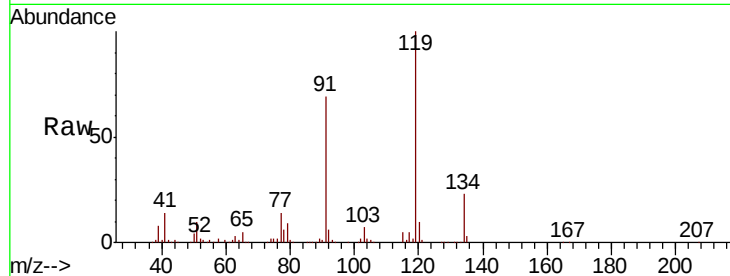




#79
tert-butylbenzene
Concen: 18.665 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

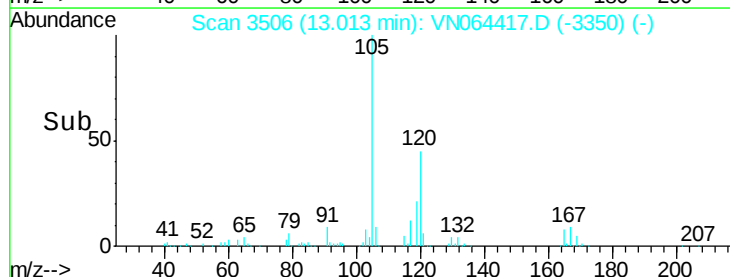
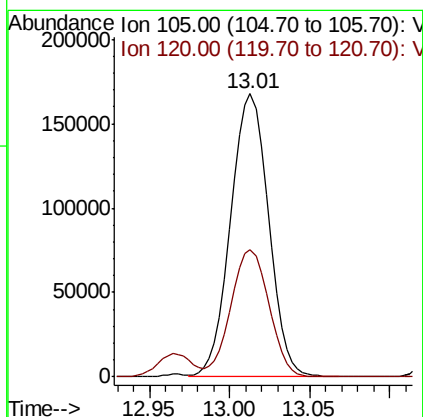
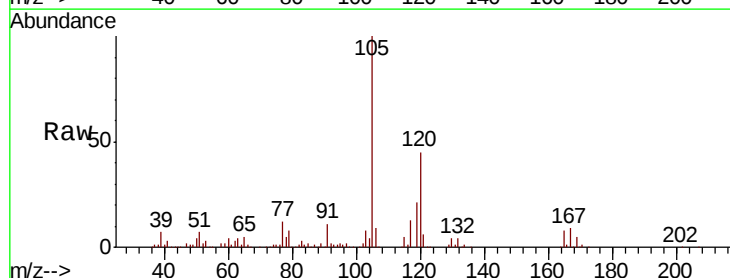
Instrument :
MSVOA_Y
ClientSampled :
BFB

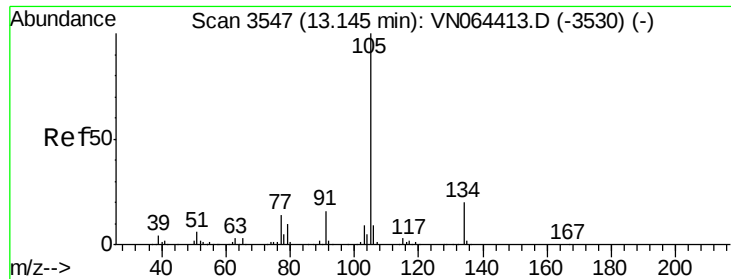
Tot Ion:119 Resp: 217542
Ion Ratio Lower Upper
119 100
91 69.4 0.0 140.4
134 23.8 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 18.284 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion:105 Resp: 269945
Ion Ratio Lower Upper
105 100
120 45.2 0.0 88.0

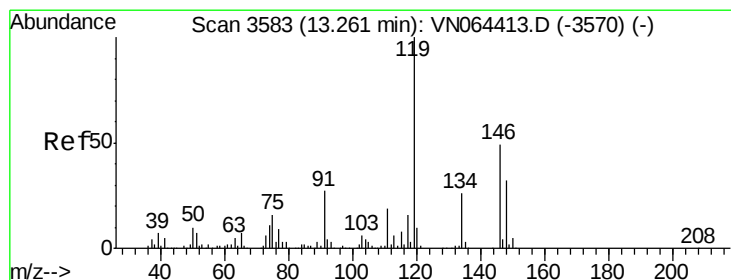
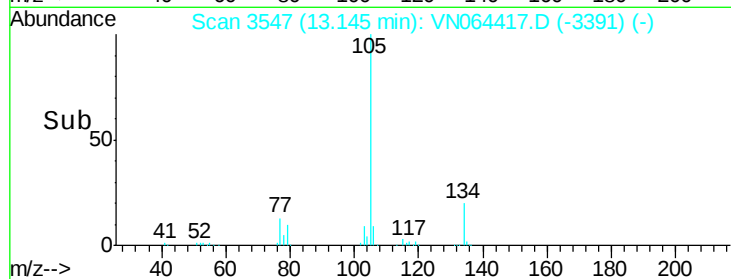
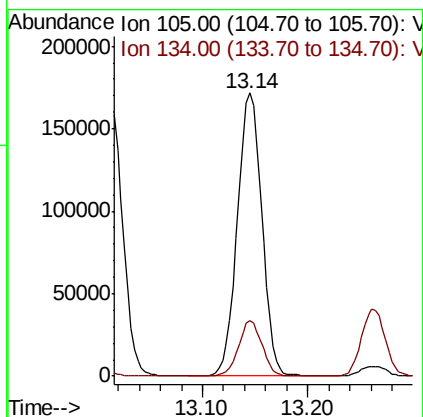
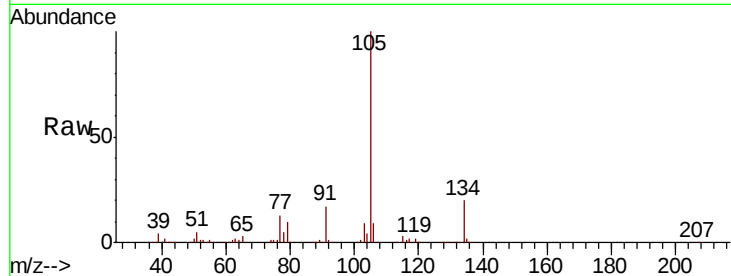




#81
 sec-Butylbenzene
 Concen: 18.868 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

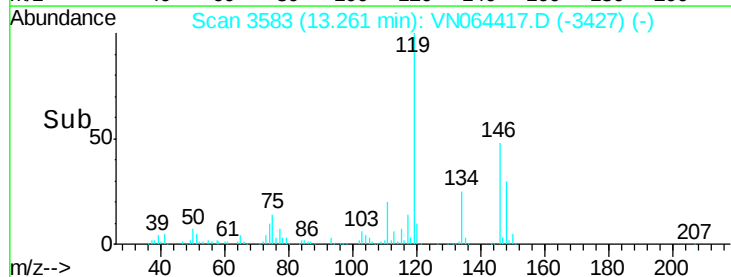
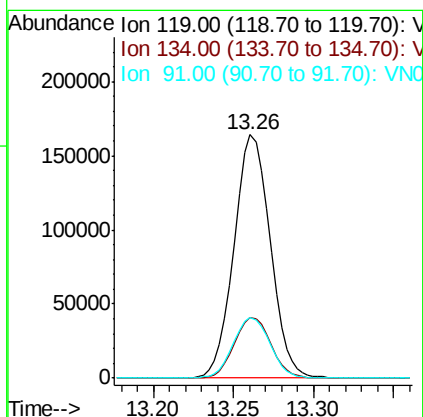
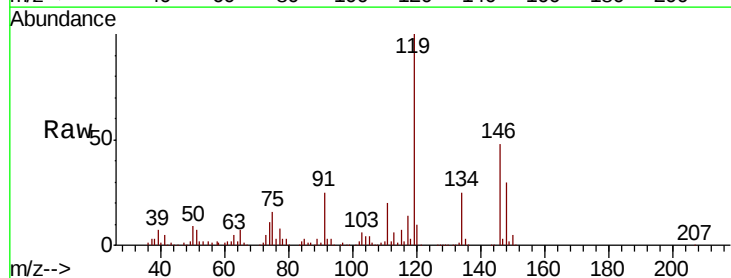
Instrument :
 MSVOA_Y
 ClientSampleId :
 BFB

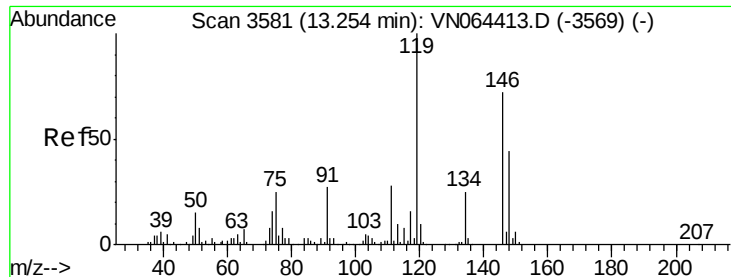
Tot Ion:105 Resp: 277385
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 18.771 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064417.D
 Acq: 2 Nov 2020 16:15

Tgt Ion:119 Resp: 253574
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.0
 91 25.3 0.0 51.4





#83

1,3-Dichlorobenzene

Concen: 18.591 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampled :

BFB

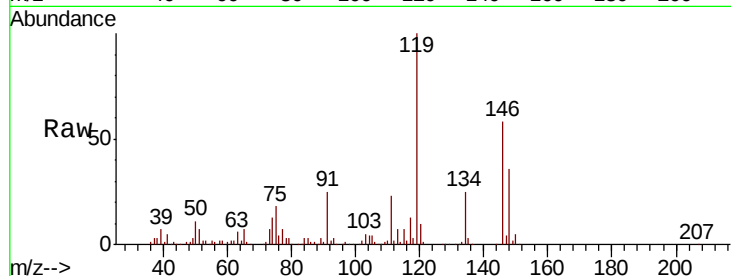
Tot Ion:146 Resp: 144965

Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

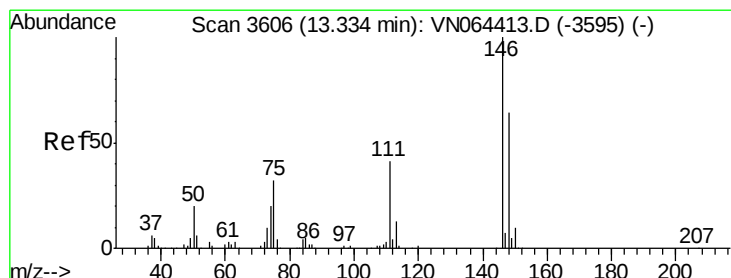
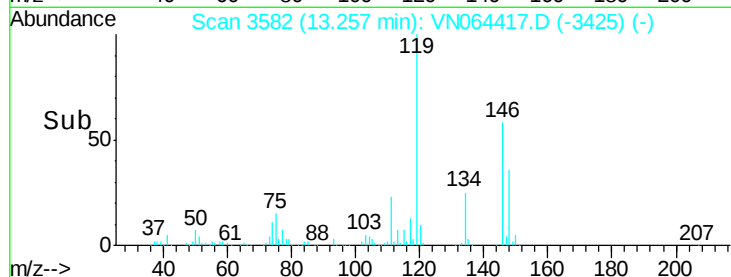
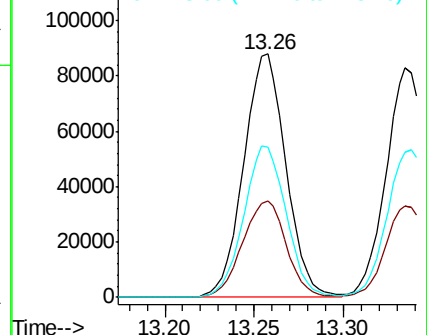
148 62.7 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.772 ug/l

RT: 13.33 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

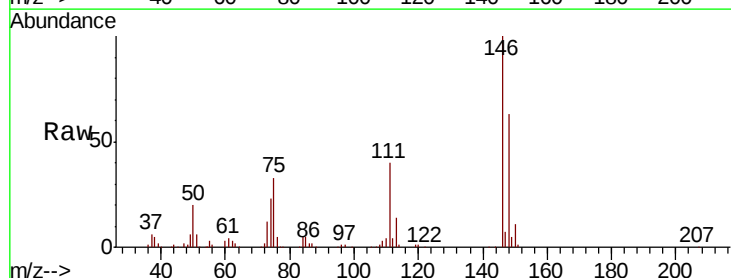
Tgt Ion:146 Resp: 139586

Ion Ratio Lower Upper

146 100

111 40.2 19.9 59.6

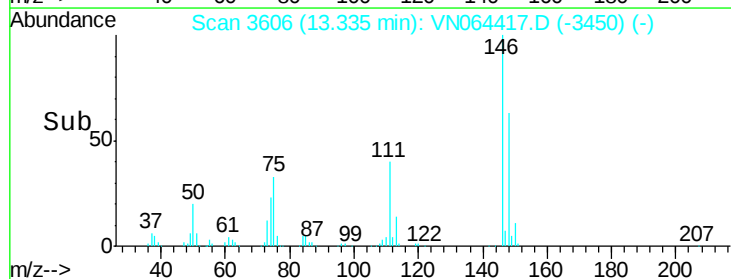
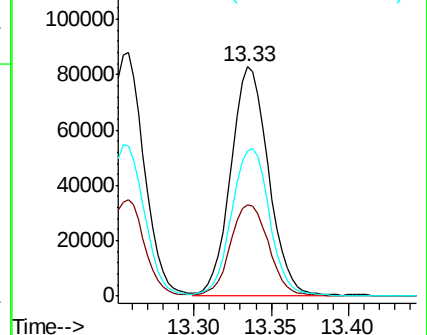
148 65.3 31.9 95.5

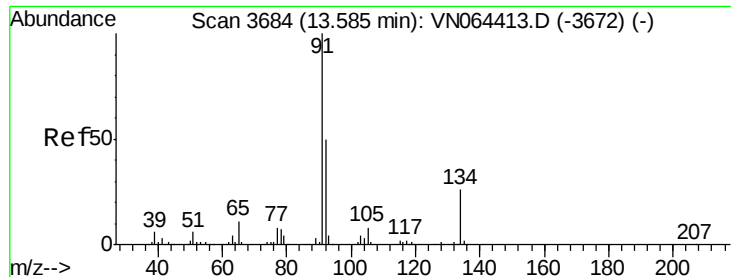


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

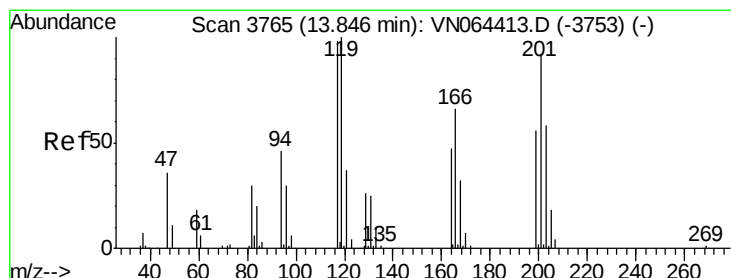
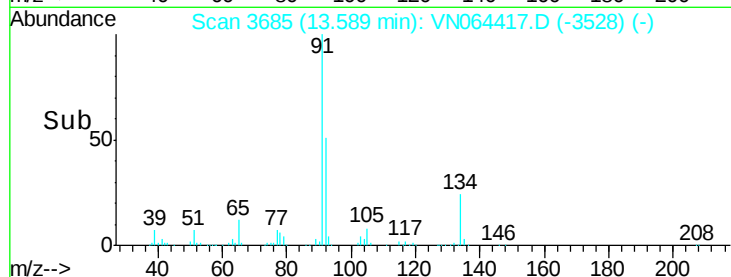
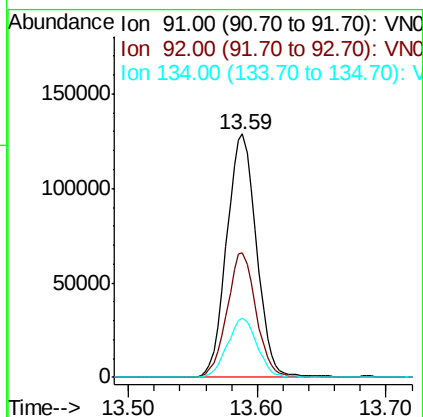
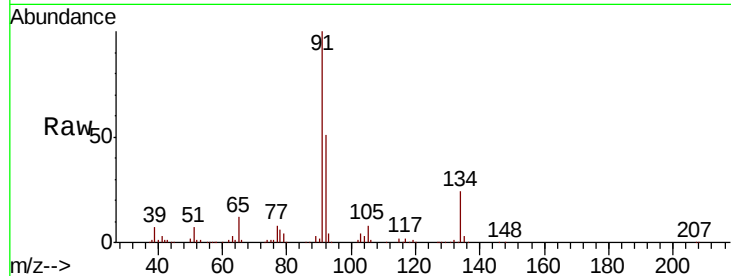




#85
n-Butylbenzene
Concen: 19.175 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

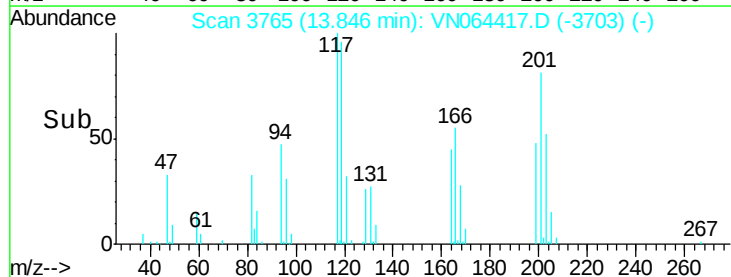
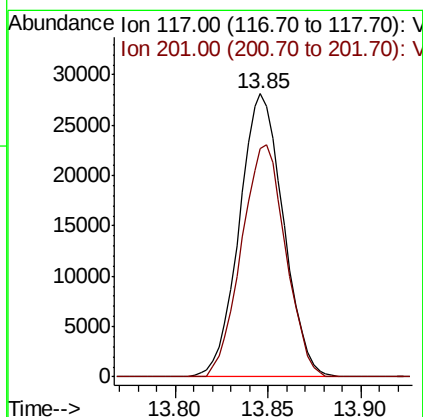
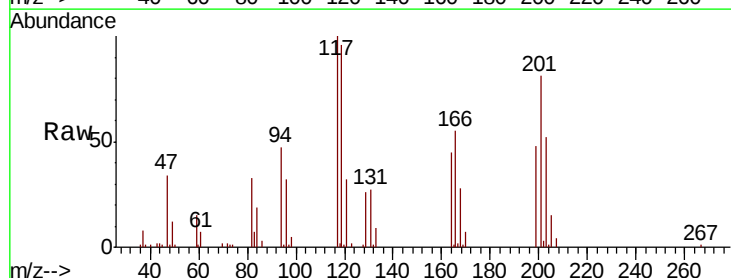
Instrument :
MSVOA_Y
ClientSampleId :
BFB

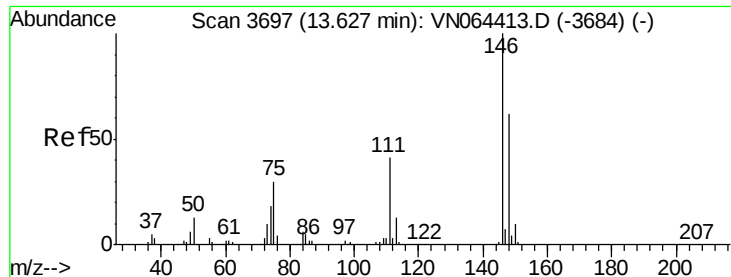
Tot Ion: 91 Resp: 206751
Ion Ratio Lower Upper
91 100
92 49.8 0.0 99.4
134 24.1 0.0 50.0



#86
Hexachloroethane
Concen: 18.367 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion: 117 Resp: 46528
Ion Ratio Lower Upper
117 100
201 82.2 42.7 128.1





#87

1,2-Dichlorobenzene

Concen: 18.167 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

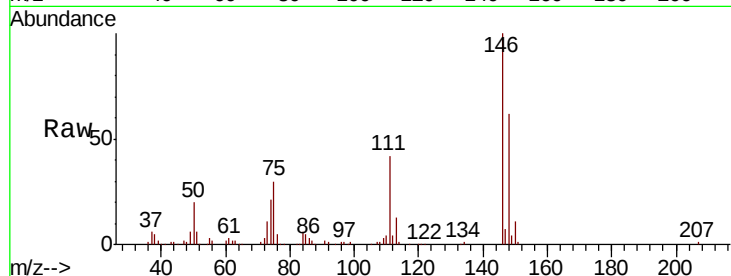
Tot Ion:146 Resp: 136771

Ion Ratio Lower Upper

146 100

111 44.5 21.3 64.0

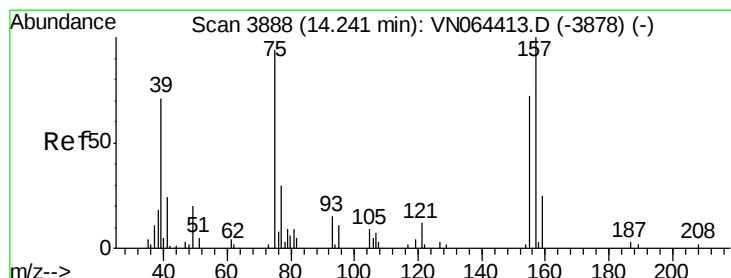
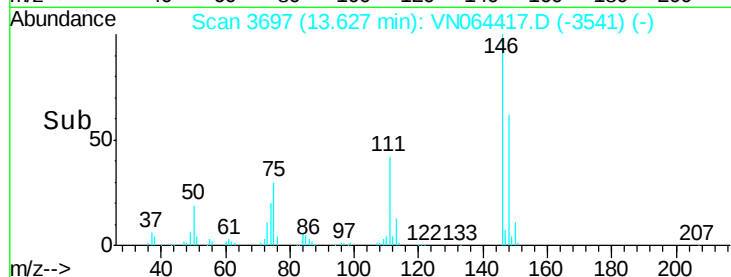
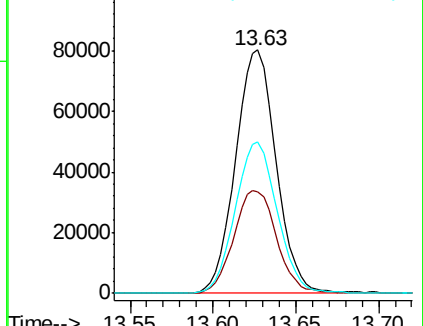
148 63.9 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.135 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

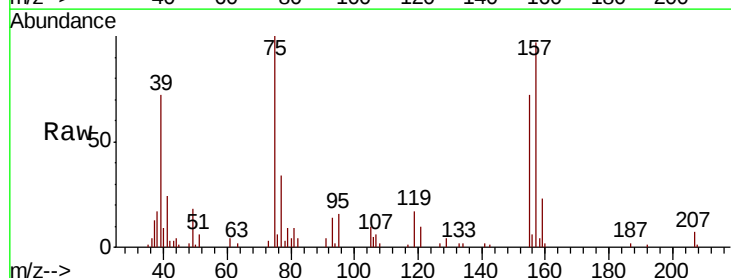
Tgt Ion: 75 Resp: 20277

Ion Ratio Lower Upper

75 100

155 74.4 66.2 99.2

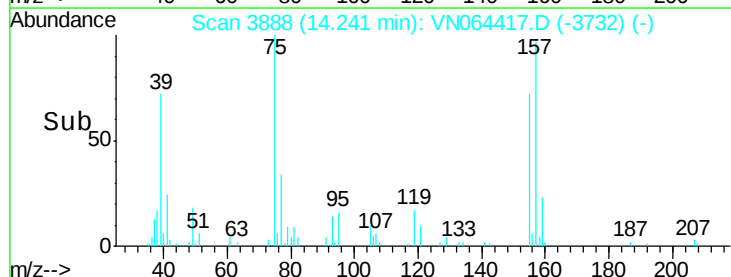
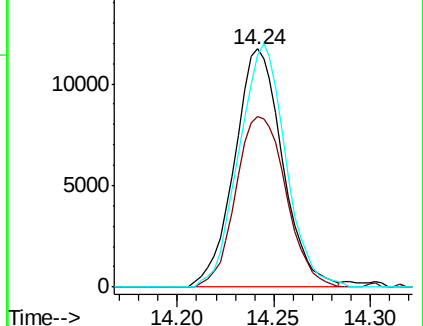
157 99.3 82.7 124.1

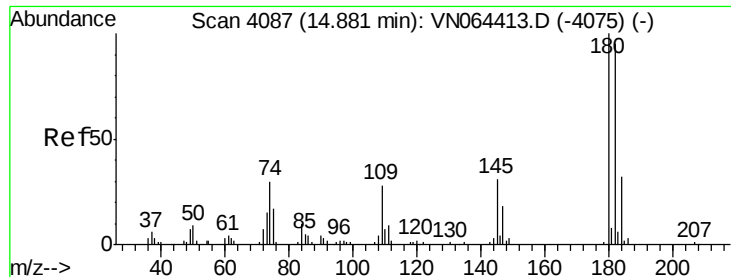


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

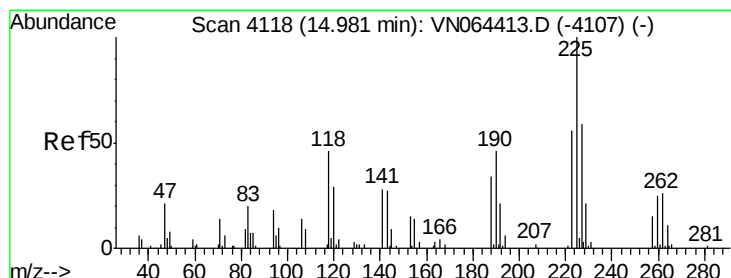
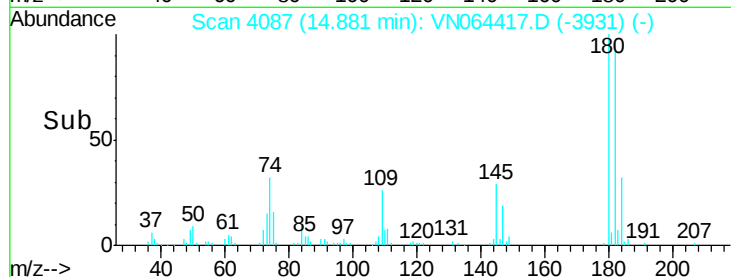
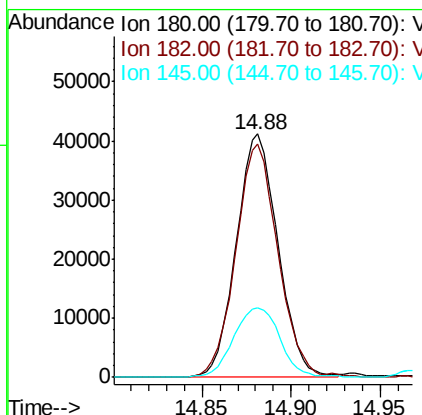
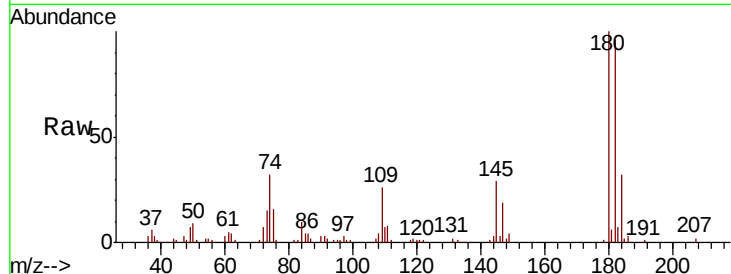




#89
1,2,4-Trichlorobenzene
Concen: 18.230 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

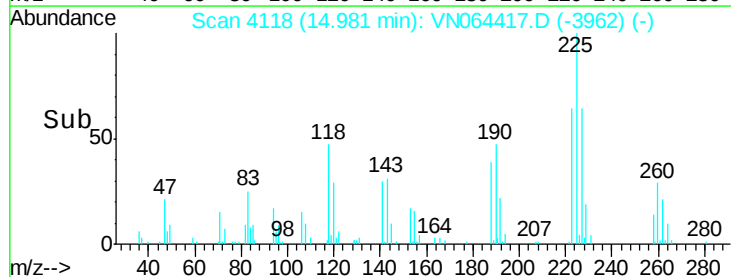
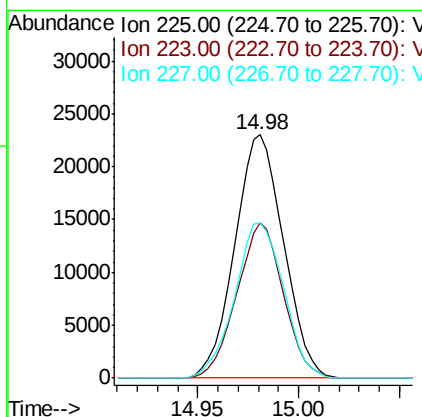
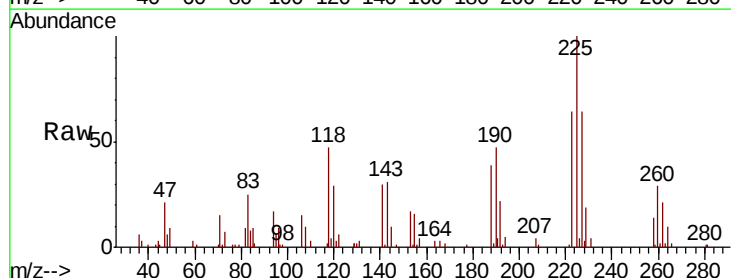
Instrument :
MSVOA_Y
ClientSampled :
BFB

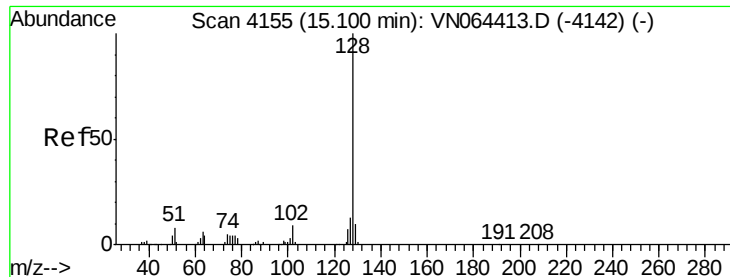
Tot Ion:180 Resp: 67113
Ion Ratio Lower Upper
180 100
182 96.5 72.6 108.8
145 31.5 24.3 36.5



#90
Hexachlorobutadiene
Concen: 19.867 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064417.D
Acq: 2 Nov 2020 16:15

Tgt Ion:225 Resp: 38925
Ion Ratio Lower Upper
225 100
223 60.6 0.0 125.6
227 63.9 0.0 121.6





#91

Naphthalene

Concen: 17.540 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

BFB

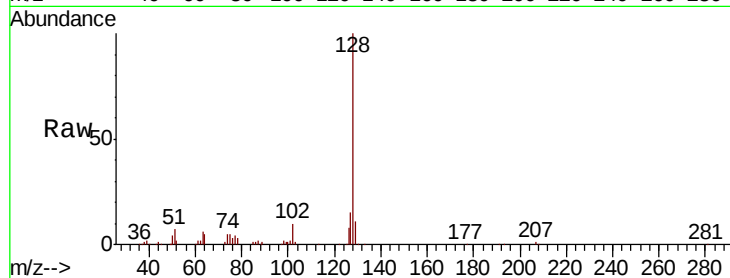
Tot Ion:128 Resp: 191820

Ion Ratio Lower Upper

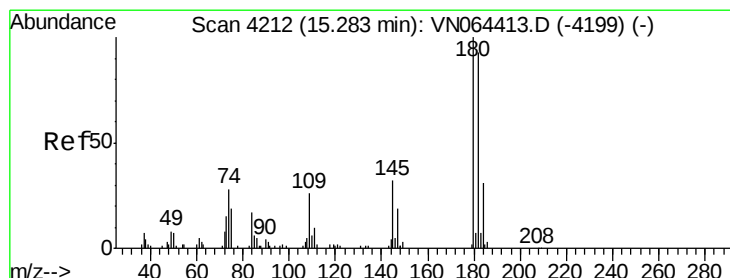
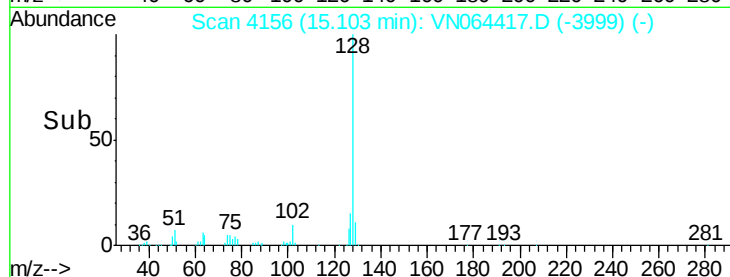
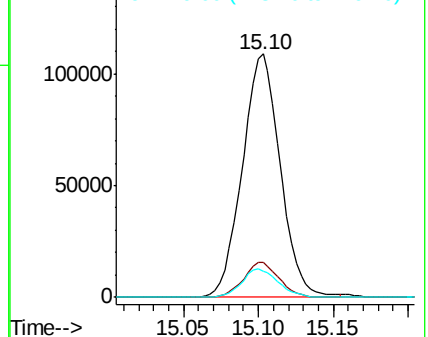
128 100

127 13.8 10.5 15.7

129 11.2 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 18.327 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064417.D

Acq: 2 Nov 2020 16:15

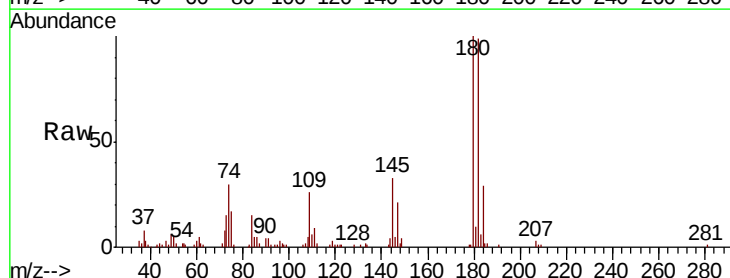
Tgt Ion:180 Resp: 66716

Ion Ratio Lower Upper

180 100

182 93.1 0.0 191.4

145 33.5 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

