

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064032.D
 Acq On : 9 Oct 2020 12:14
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Oct 10 01:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54785	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	291118	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273982	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	141664	28.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.97%
60) 4-Bromofluorobenzene	12.38	95	136277	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	10.06	98	377144	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	73574	19.842	ug/l 96
3) Chloromethane	2.04	50	76797	20.014	ug/l 94
4) Vinyl Chloride	2.16	62	72358	18.955	ug/l 100
5) Bromomethane	2.54	94	44206	17.992	ug/l 98
6) Chloroethane	2.68	64	43542	18.182	ug/l 99
7) Trichlorofluoromethane	2.99	101	109957	18.247	ug/l 95
8) Diethyl Ether	3.38	74	37789	19.367	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57497	18.362	ug/l 96
10) 1,1-Dichloroethene	3.70	96	52883	17.988	ug/l 91
11) Methyl Iodide	3.91	142	63161	16.839	ug/l 91
12) Methyl Acetate	4.28	43	69467	19.200	ug/l 96
13) Acrolein	3.57	56	12318	34.978	ug/l 96
14) Acrylonitrile	4.93	53	136415	91.703	ug/l 96
15) Acetone	3.77	58	58567	136.011	ug/l # 60
16) Carbon Disulfide	4.01	76	162174	18.602	ug/l 99
17) Allyl chloride	4.27	41	112773	20.610	ug/l 86
18) Methylene Chloride	4.50	84	65650	18.630	ug/l # 89
19) trans-1,2-Dichloroethene	4.99	96	60432	18.199	ug/l 90
20) Diisopropyl ether	5.90	45	212993	19.364	ug/l 94
21) 1,1-Dichloroethane	5.79	63	121679	18.273	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	67779	17.980	ug/l 88
23) tert-Butyl Alcohol	4.72	59	56495	88.538	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	181676	18.421	ug/l # 91
25) Chloroform	7.32	83	126155	18.069	ug/l 99
26) Cyclohexane	7.61	56	89133	18.583	ug/l # 94
29) 1,1-Dichloropropene	7.75	75	92226	18.090	ug/l 98
30) 2-Butanone	6.78	43	270132	108.032	ug/l 95
31) 2,2-Dichloropropane	6.78	77	109602	17.989	ug/l 97
32) 1,1,1-Trichloroethane	7.52	97	112752	17.336	ug/l 97
33) Carbon Tetrachloride	7.73	117	95520	16.763	ug/l 94
34) Benzene	8.00	78	258219	17.814	ug/l 95
35) Methacrylonitrile	7.12	41	43914	18.478	ug/l 90
36) 1,2-Dichloroethane	8.08	62	109559	17.203	ug/l # 94
37) Trichloroethene	8.80	130	65297	17.193	ug/l 85
38) Methylcyclohexane	9.05	83	79133	18.384	ug/l 98
39) 1,2-Dichloropropane	9.08	63	72356	18.371	ug/l 99
40) Dibromomethane	9.17	93	47177	17.151	ug/l 92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	98247	17.185	ug/l	97
42) Vinyl Acetate	5.84	43	962614	92.758	ug/l	98
43) Ethyl Acetate	6.88	43	88985	16.618	ug/l #	84
44) Isopropyl Acetate	8.12	43	161315	18.178	ug/l	92
45) 1,4-Dioxane	9.16	88	19402	341.009	ug/l #	94
46) Methyl methacrylate	9.16	41	77452	17.542	ug/l	83
47) n-amyl Acetate	12.05	43	133220	16.884	ug/l	93
48) t-1,3-Dichloropropene	10.35	75	106705	17.272	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	114491	17.872	ug/l #	86
50) 1,1,2-Trichloroethane	10.53	97	64684	17.611	ug/l	99
51) Ethyl methacrylate	10.40	69	90622	17.010	ug/l	78
52) 1,3-Dichloropropane	10.68	76	110061	17.493	ug/l	96
53) Dibromochloromethane	10.87	129	74286	17.573	ug/l	99
54) 1,2-Dibromoethane	10.97	107	66755	17.334	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	230088	80.931	ug/l	99
56) Bromoform	12.10	173	49161	16.782	ug/l #	93
58) 4-Methyl-2-Pentanone	9.95	43	483315	90.895	ug/l	94
59) 2-Hexanone	10.72	43	384018	96.960	ug/l	94
61) Tetrachloroethene	10.60	164	59028	16.982	ug/l	93
62) Toluene	10.12	91	282353	17.944	ug/l	99
64) Chlorobenzene	11.41	112	167558	17.569	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	67010	17.964	ug/l	96
66) Ethyl Benzene	11.48	91	306937	17.763	ug/l	97
67) m/p-Xylenes	11.59	106	226030	35.175	ug/l	96
68) o-Xylene	11.92	106	107629	17.580	ug/l	96
69) Styrene	11.94	104	180798	17.308	ug/l	95
70) Isopropylbenzene	12.22	105	287202	17.655	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	89980	17.498	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	122745	23.409	ug/l	56
73) Bromobenzene	12.50	156	70114	17.005	ug/l	88
74) n-propylbenzene	12.57	91	333111	17.516	ug/l	98
75) 2-Chlorotoluene	12.65	91	205460	17.712	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	241550	17.608	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	32209	17.270	ug/l	92
78) 4-Chlorotoluene	12.75	91	214694	17.478	ug/l	97
79) tert-butylbenzene	12.97	119	193337	17.592	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	242854	17.659	ug/l	98
81) sec-Butylbenzene	13.14	105	260573	18.038	ug/l	98
82) p-Isopropyltoluene	13.26	119	230805	17.678	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	123677	16.866	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	122031	16.752	ug/l	95
85) n-Butylbenzene	13.59	91	196199	17.176	ug/l	99
86) Hexachloroethane	13.85	117	39949	17.754	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	121717	16.915	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19318	15.722	ug/l	90
89) 1,2,4-Trichlorobenzene	14.88	180	57095	15.610	ug/l #	97
90) Hexachlorobutadiene	14.98	225	34255	17.682	ug/l	97
91) Naphthalene	15.10	128	172649	15.430	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	57673	16.189	ug/l	96

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QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

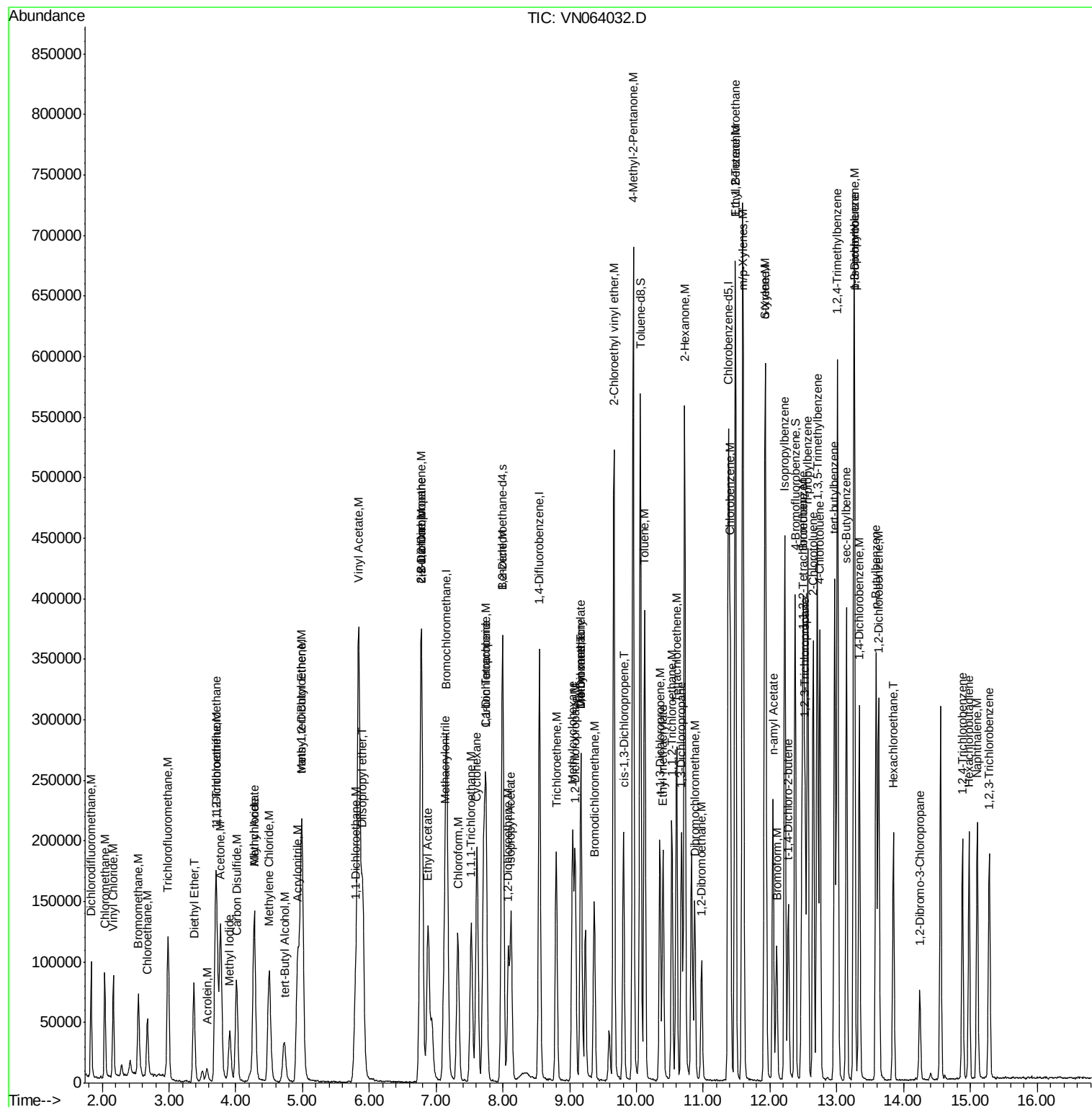
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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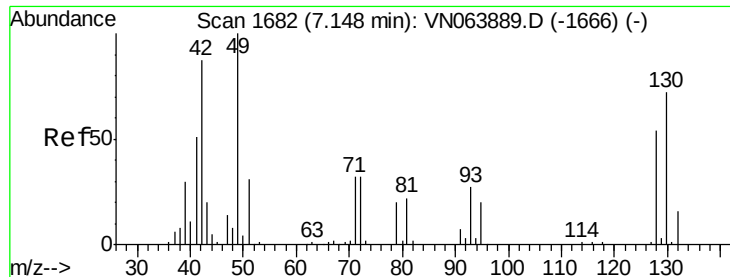
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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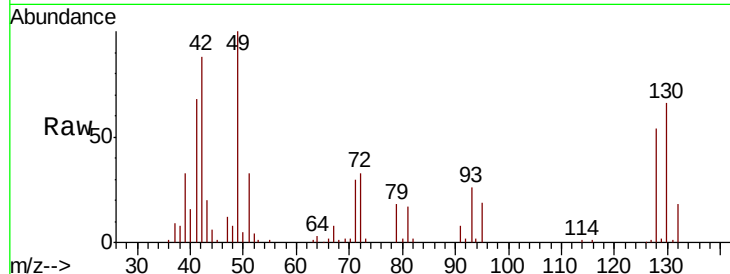




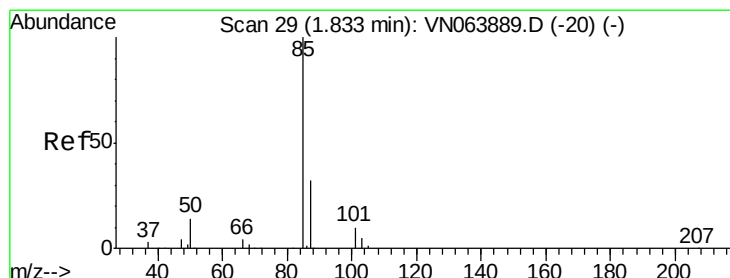
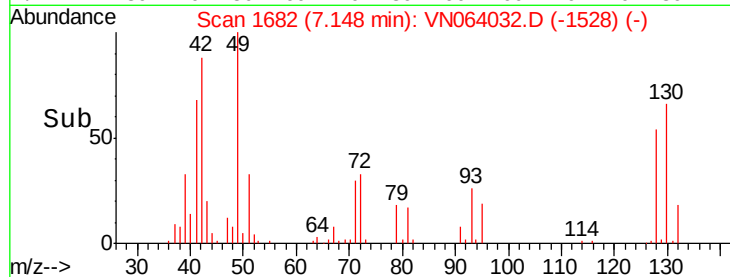
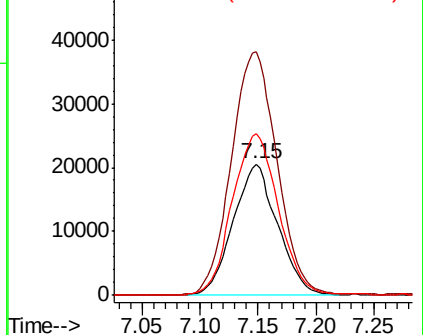
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:128 Resp: 54785
Ion Ratio Lower Upper
128 100
49 191.2 0.0 437.5
130 127.9 0.0 327.3

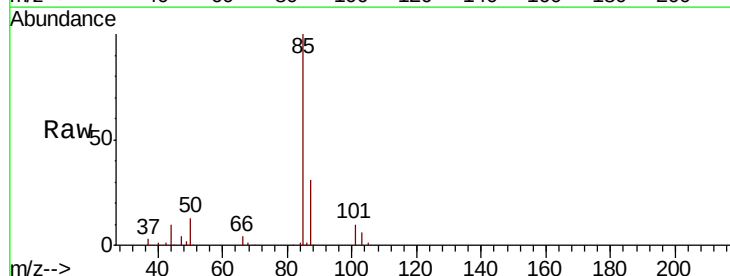


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

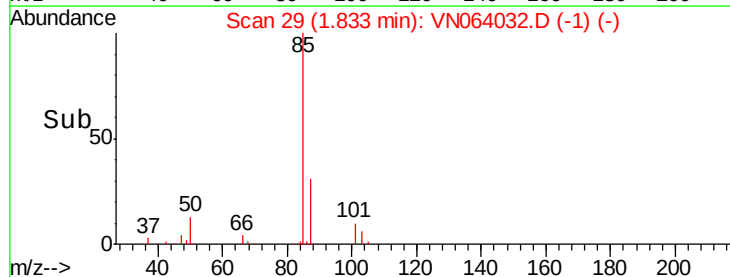
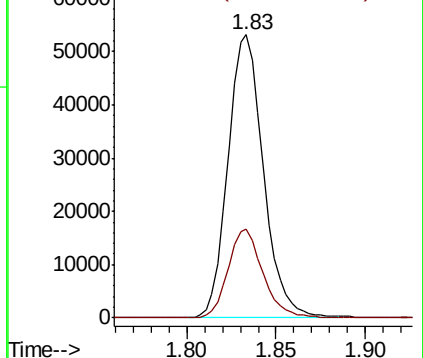


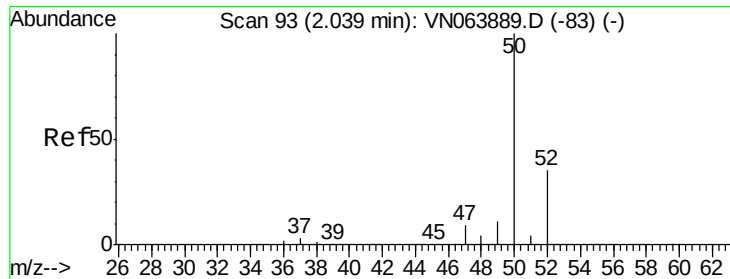
#2
Dichlorodifluoromethane
Concen: 19.842 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 85 Resp: 73574
Ion Ratio Lower Upper
85 100
87 31.2 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.014 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

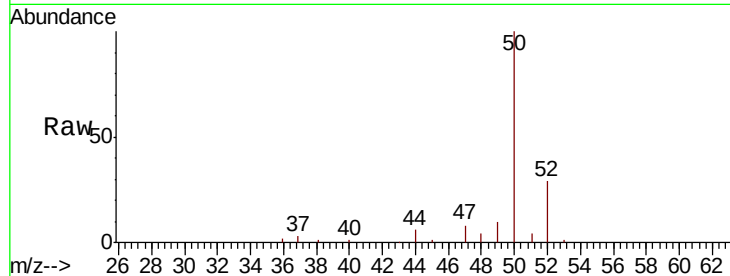
BFB

Tot Ion: 50 Resp: 76797

Ion Ratio Lower Upper

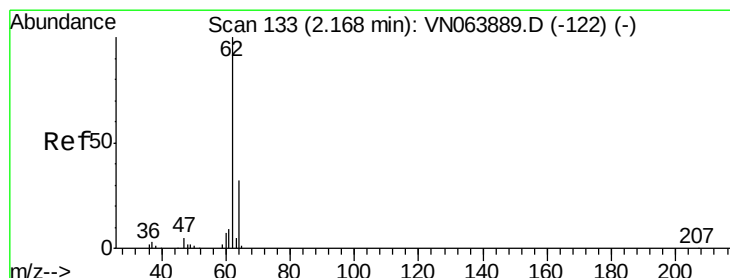
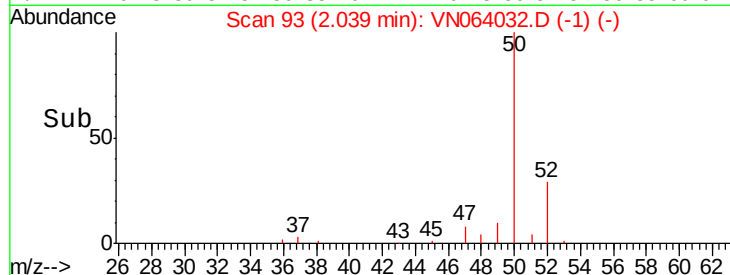
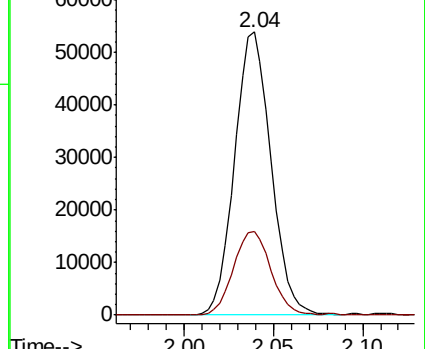
50 100

52 29.4 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.955 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.01 min

Lab File: VN064032.D

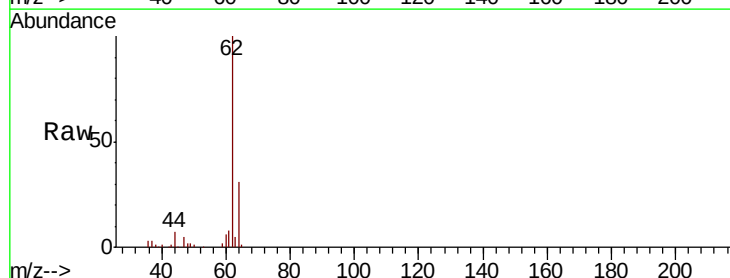
Acq: 9 Oct 2020 12:14

Tgt Ion: 62 Resp: 72358

Ion Ratio Lower Upper

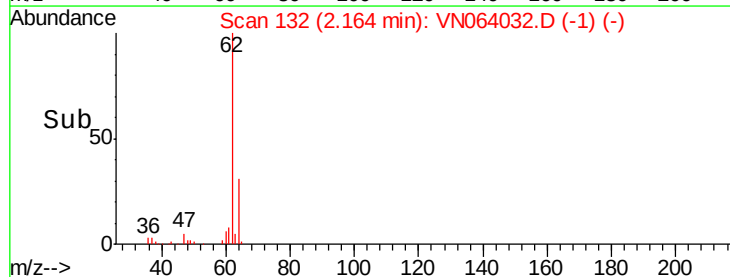
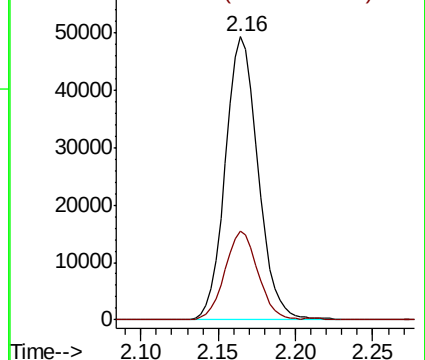
62 100

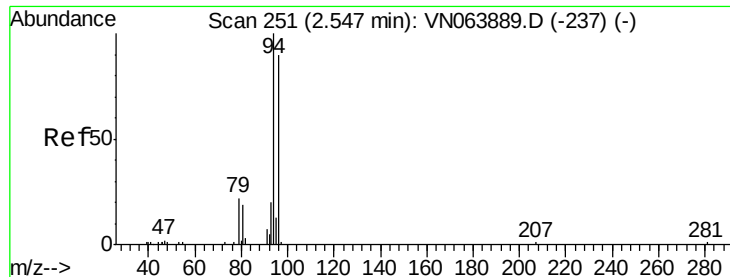
64 31.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.992 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

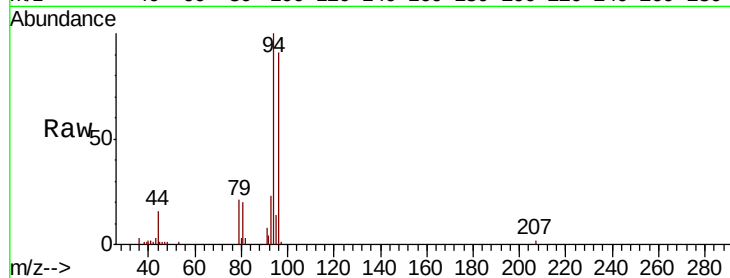
BFB

Tot Ion: 94 Resp: 44206

Ion Ratio Lower Upper

94 100

96 90.8 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VN063889.D (-237) (-)

Ion 96.00 (95.70 to 96.70): VN063889.D (-237) (-)

25000

20000

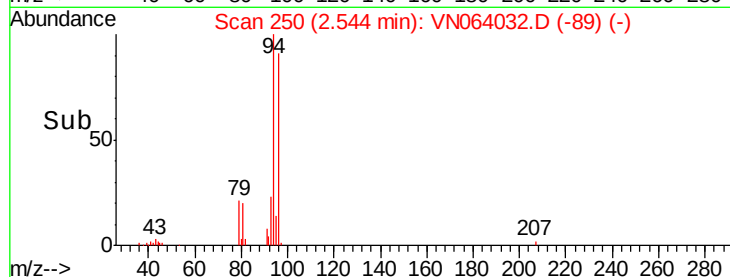
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.182 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064032.D

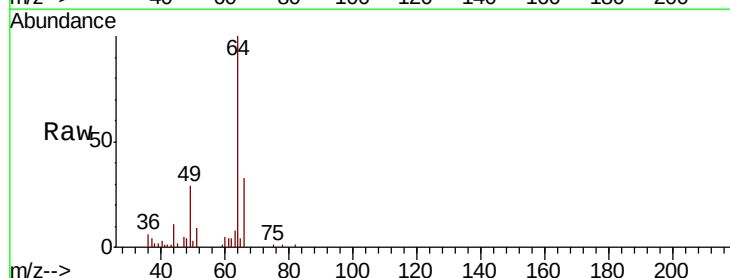
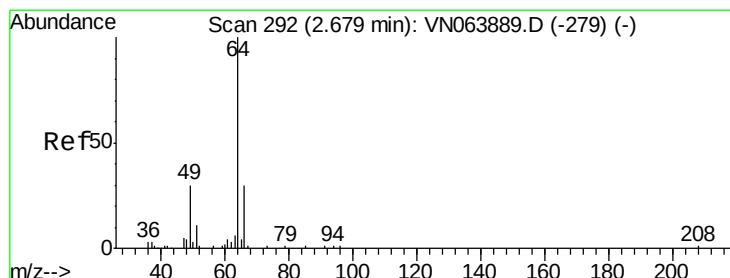
Acq: 9 Oct 2020 12:14

Tgt Ion: 64 Resp: 43542

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN063889.D (-279) (-)

Ion 66.00 (65.70 to 66.70): VN063889.D (-279) (-)

25000

20000

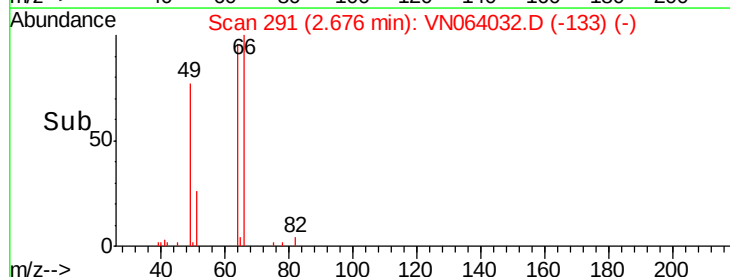
15000

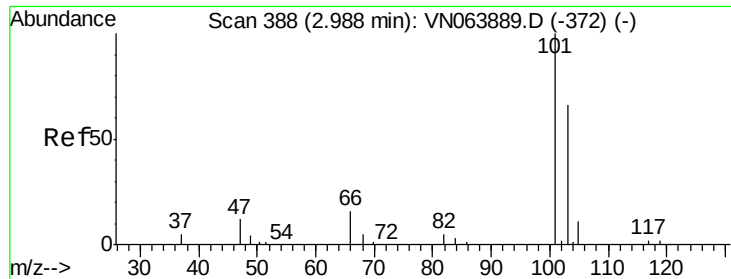
10000

5000

0

Time-->



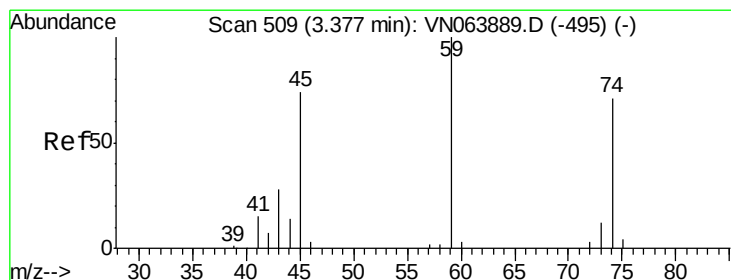
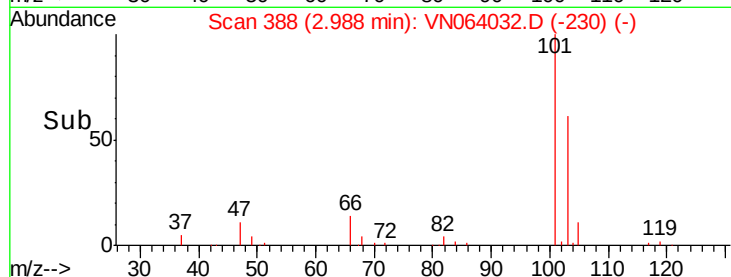
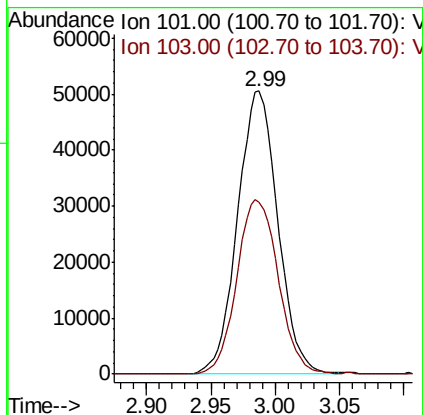
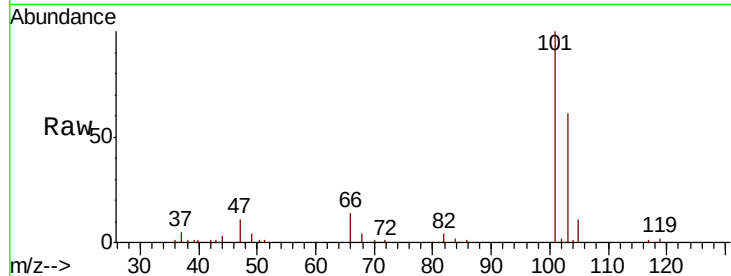


#7

Trichlorofluoromethane
 Concen: 18.247 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

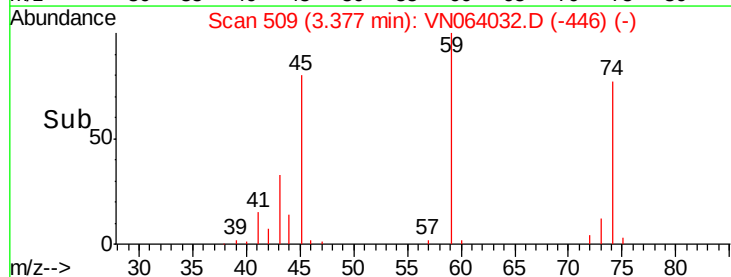
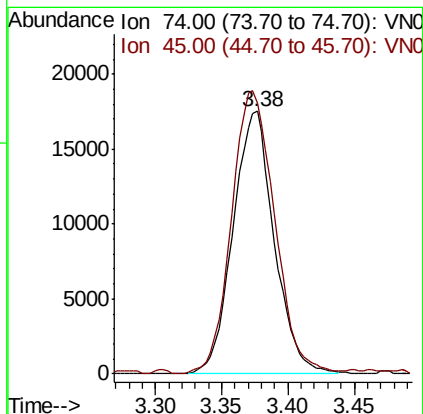
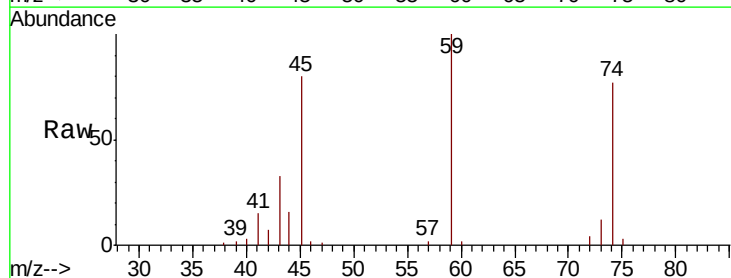
Tot Ion:101 Resp: 109957
 Ion Ratio Lower Upper
 101 100
 103 61.0 51.9 77.9

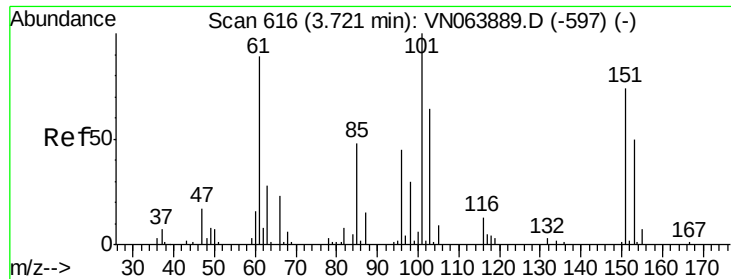


#8

Diethyl Ether
 Concen: 19.367 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion: 74 Resp: 37789
 Ion Ratio Lower Upper
 74 100
 45 113.3 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.362 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

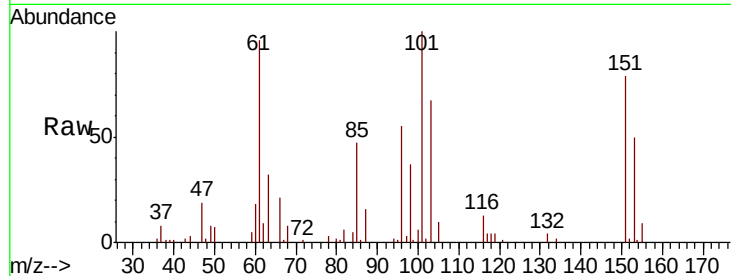
Tot Ion:101 Resp: 57497

Ion Ratio Lower Upper

101 100

85 47.1 0.0 85.0

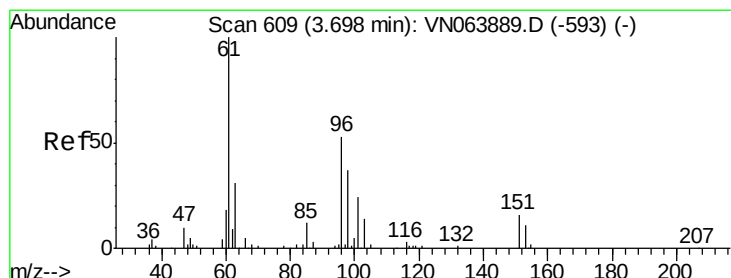
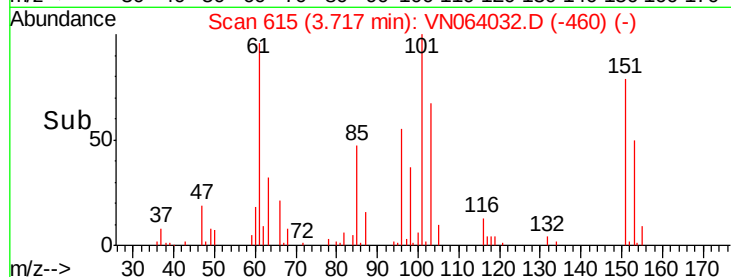
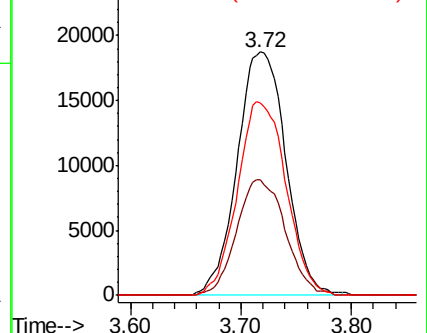
151 79.2 0.0 161.6



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: 17.988 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

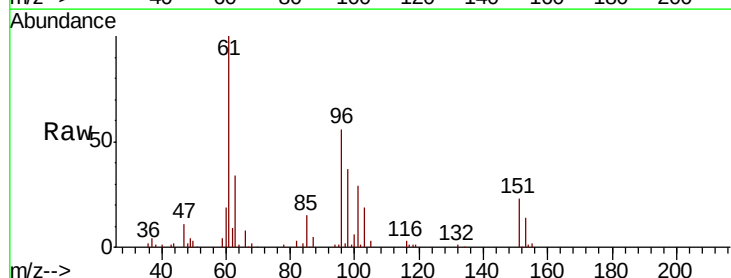
Tgt Ion: 96 Resp: 52883

Ion Ratio Lower Upper

96 100

61 177.6 130.8 196.2

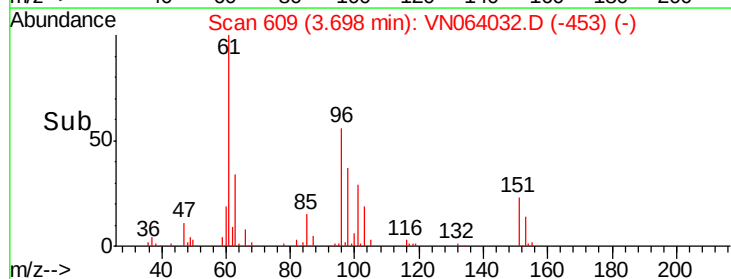
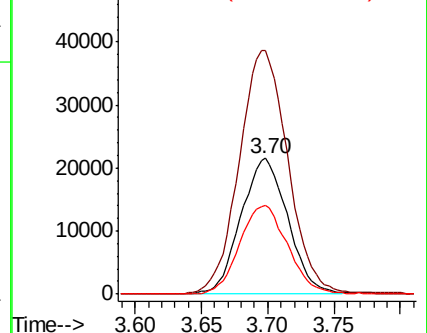
98 65.7 49.0 73.4

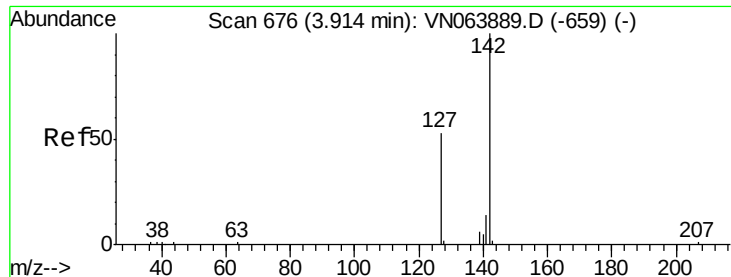


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

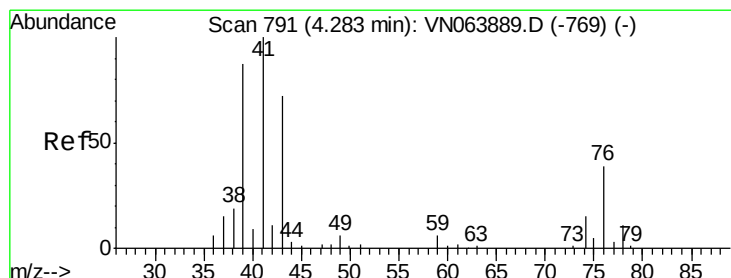
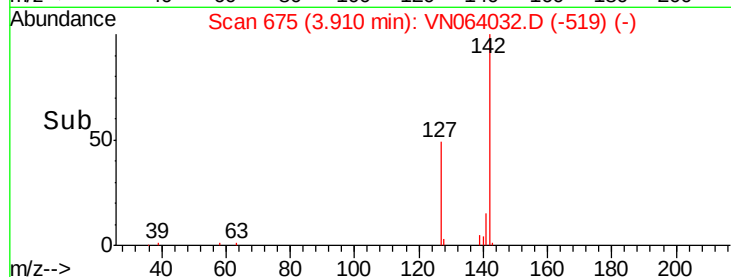
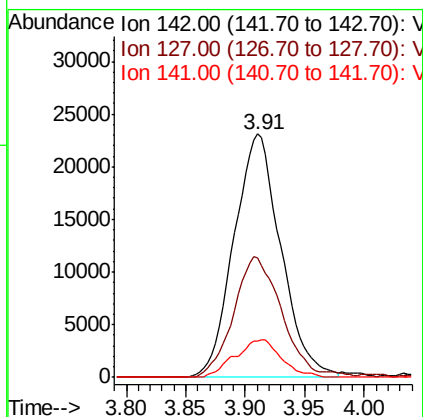
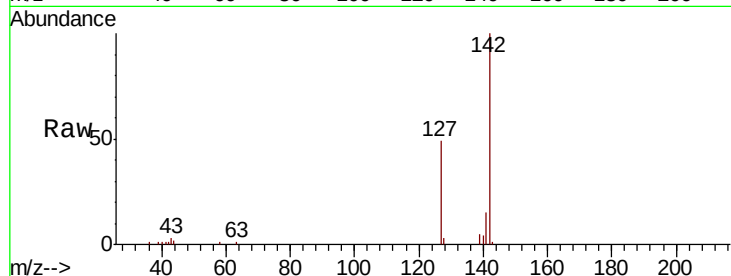




#11
Methyl Iodide
Concen: 16.839 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

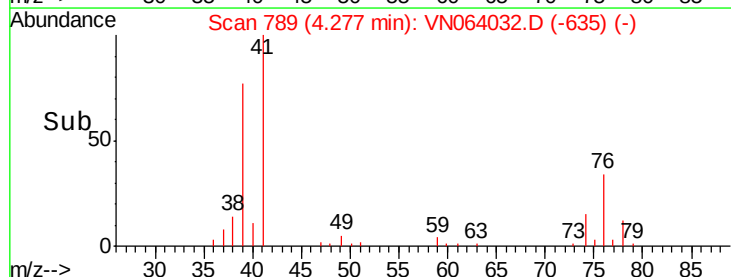
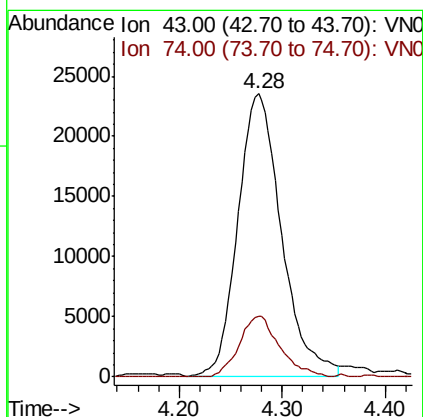
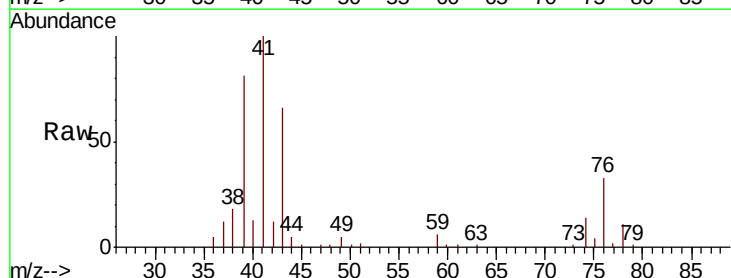
Instrument :
MSVOA_N
ClientSampled :
BFB

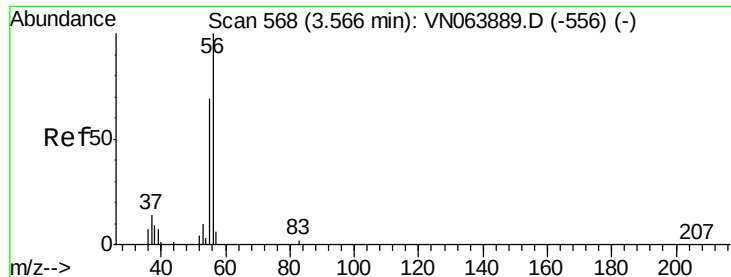
Tot Ion:142 Resp: 63161
Ion Ratio Lower Upper
142 100
127 48.7 20.9 62.8
141 14.9 6.7 20.1



#12
Methyl Acetate
Concen: 19.200 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 43 Resp: 69467
Ion Ratio Lower Upper
43 100
74 21.3 18.6 27.8





#13

Acrolein

Concen: 34.978 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

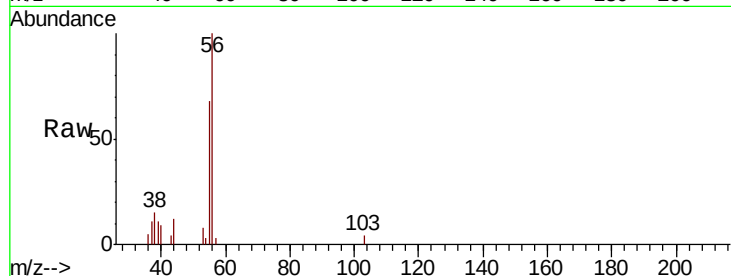
BFB

Tot Ion: 56 Resp: 12318

Ion Ratio Lower Upper

56 100

55 70.2 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

5000

4000

3000

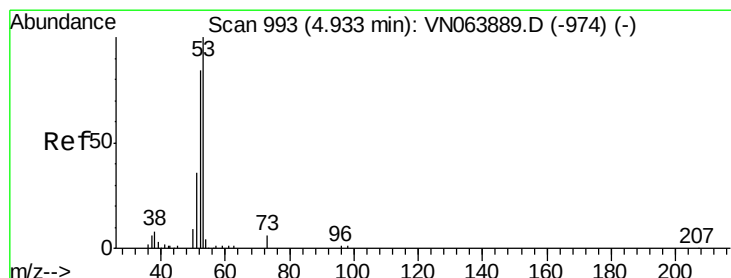
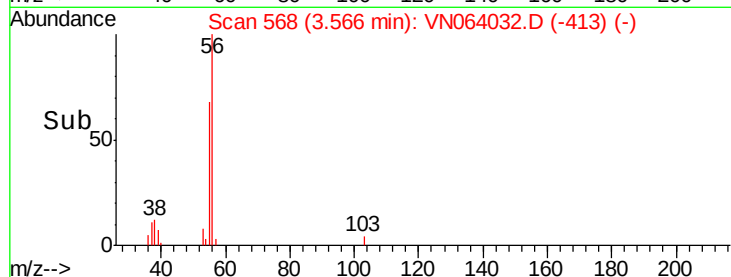
2000

1000

0

Time-->

3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 91.703 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

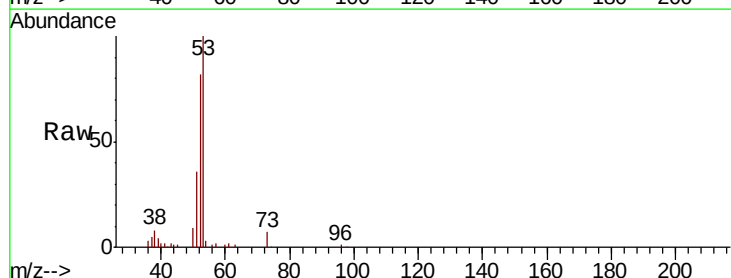
Tgt Ion: 53 Resp: 136415

Ion Ratio Lower Upper

53 100

52 83.5 39.9 119.7

51 36.7 17.0 51.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.93

50000

40000

30000

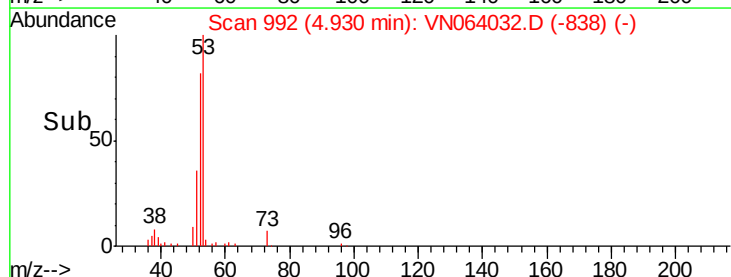
20000

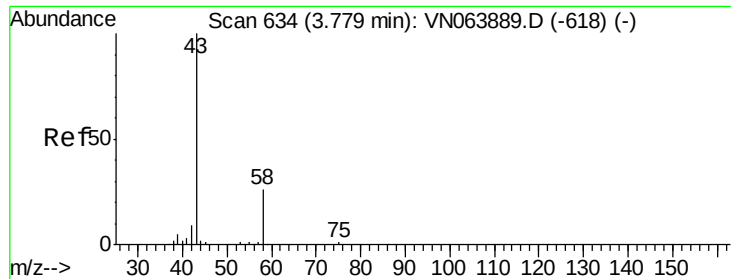
10000

0

Time-->

4.80 4.90 5.00





#15

Acetone

Concen: 136.011 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

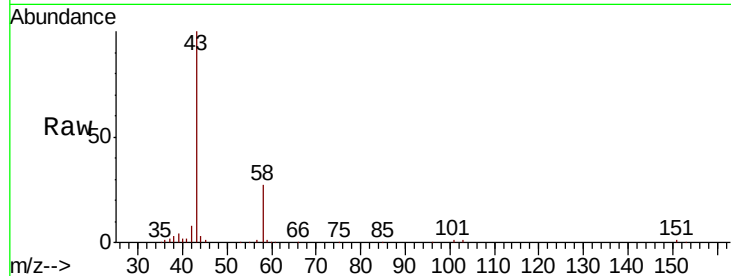
BFB

Tot Ion: 58 Resp: 58567

Ion Ratio Lower Upper

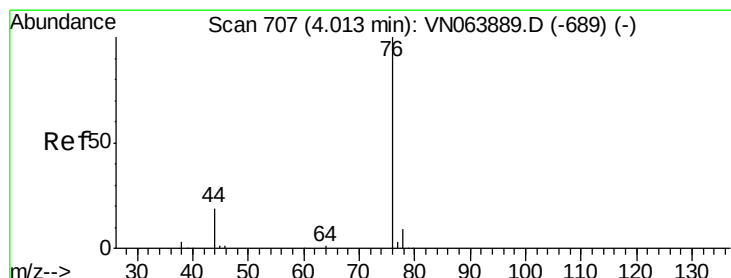
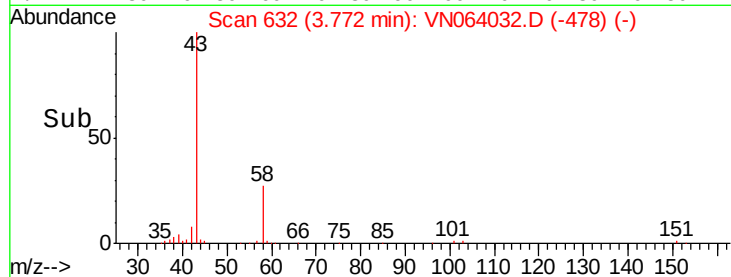
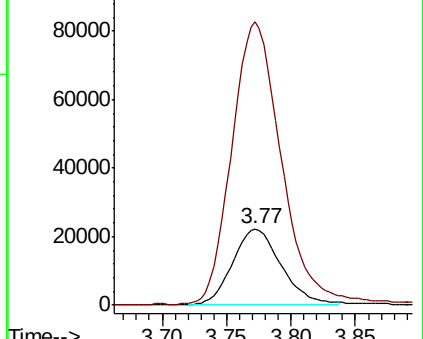
58 100

43 368.6 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN064032.D (-478) (-)

Ion 43.00 (42.70 to 43.70): VN064032.D (-478) (-)



#16

Carbon Disulfide

Concen: 18.602 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064032.D

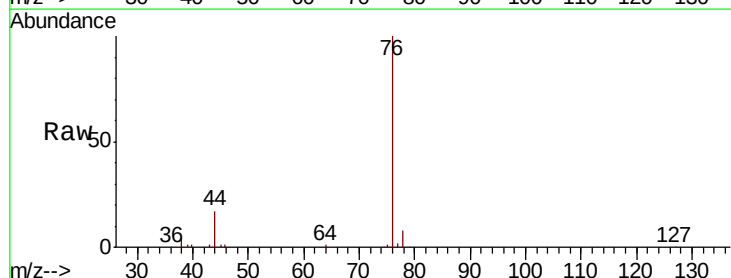
Acq: 9 Oct 2020 12:14

Tgt Ion: 76 Resp: 162174

Ion Ratio Lower Upper

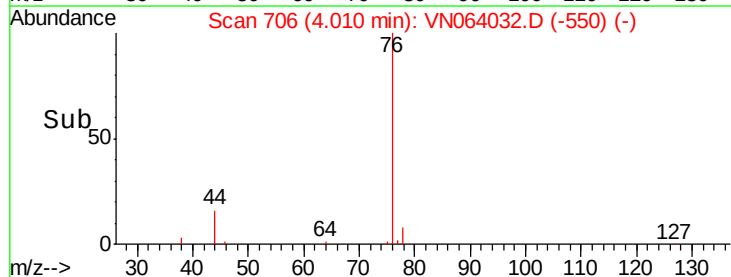
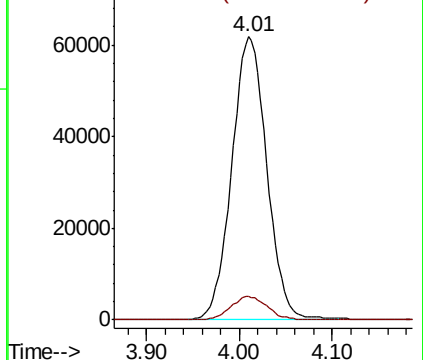
76 100

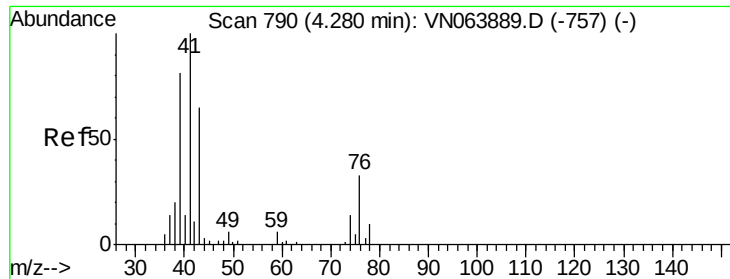
78 8.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN064032.D (-550) (-)

Ion 78.00 (77.70 to 78.70): VN064032.D (-550) (-)

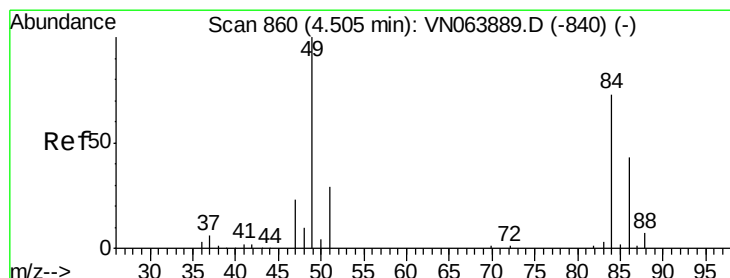
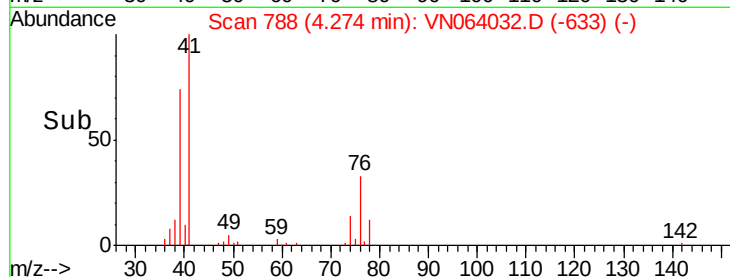
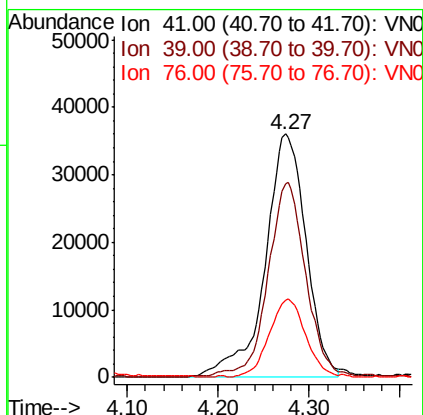
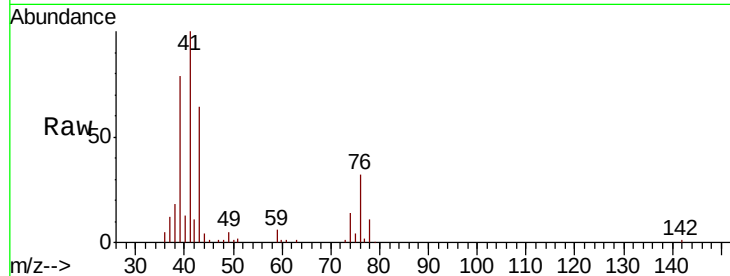




#17
Allvl chloride
Concen: 20.610 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

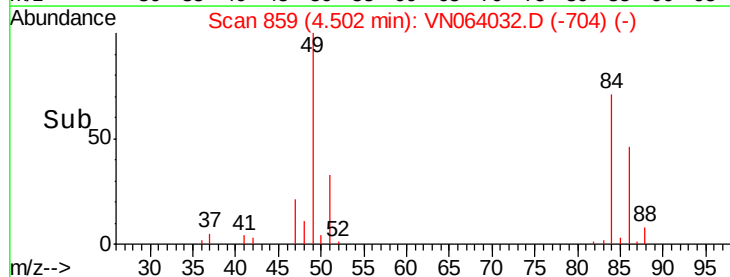
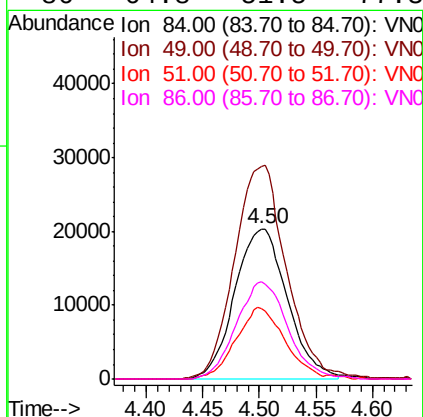
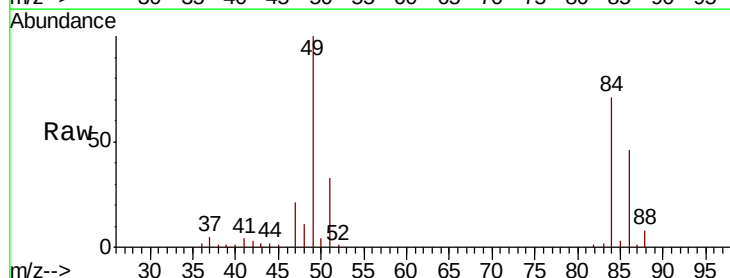
Instrument :
MSVOA_N
ClientSampleId :
BFB

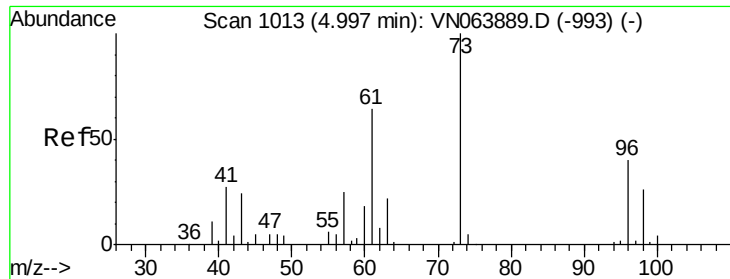
Tot Ion: 41 Resp: 112773
Ion Ratio Lower Upper
41 100
39 79.5 33.8 101.4
76 31.3 19.4 58.4



#18
Methylene Chloride
Concen: 18.630 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 84 Resp: 65650
Ion Ratio Lower Upper
84 100
49 140.1 97.8 146.8
51 46.8 30.7 46.1#
86 64.8 51.5 77.3

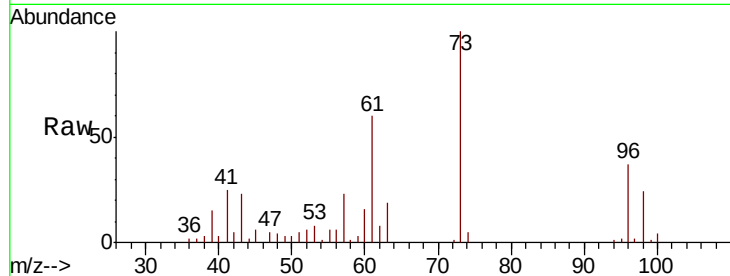




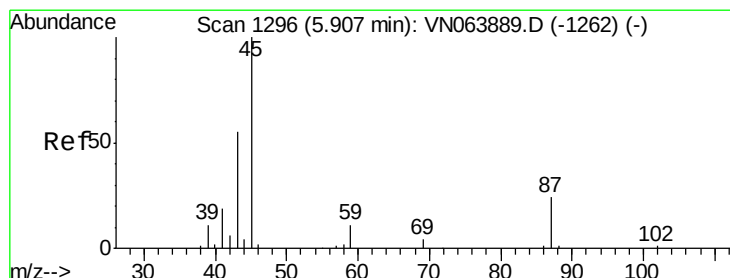
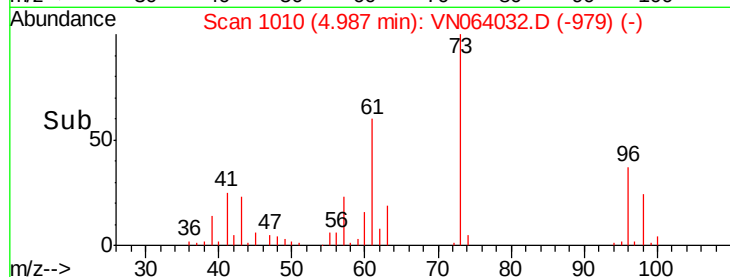
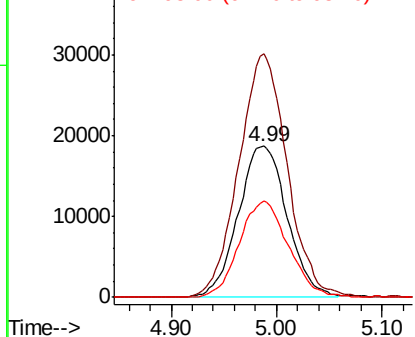
#19
trans-1,2-Dichloroethene
Concen: 18.199 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion: 96 Resp: 60432
Ion Ratio Lower Upper
96 100
61 161.3 115.9 173.9
98 63.7 53.3 79.9

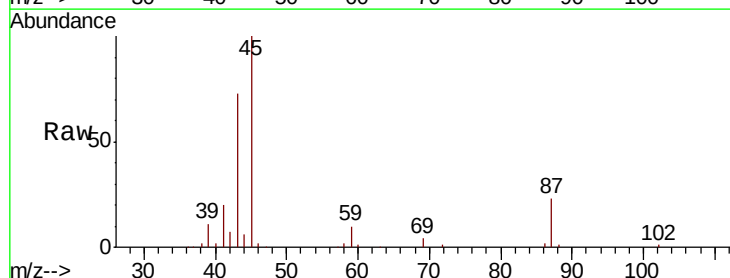


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

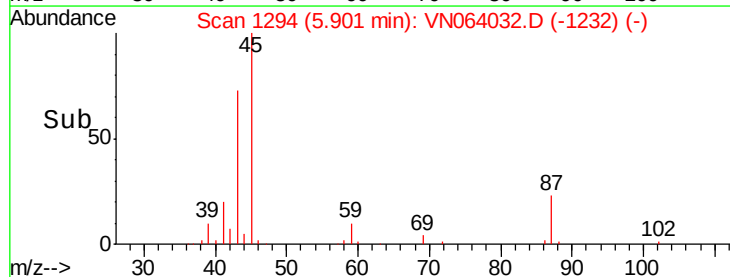
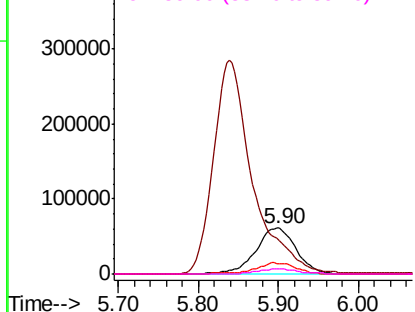


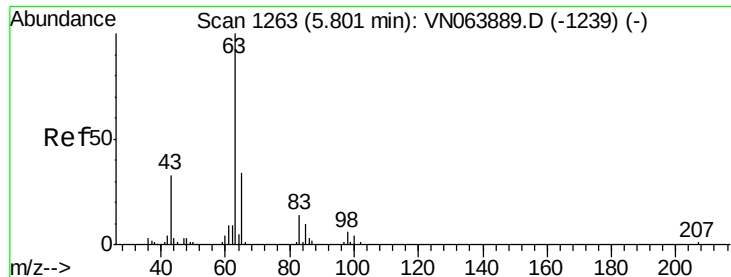
#20
Diisopropyl ether
Concen: 19.364 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 45 Resp: 212993
Ion Ratio Lower Upper
45 100
43 68.7 51.8 77.6
87 23.0 21.8 32.6
59 9.9 9.6 14.4



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

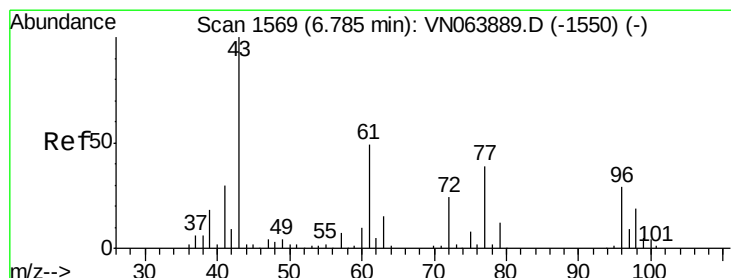
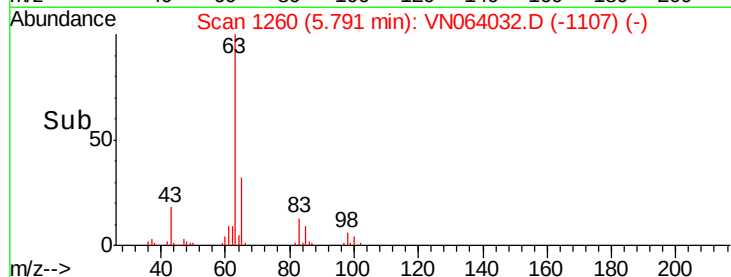
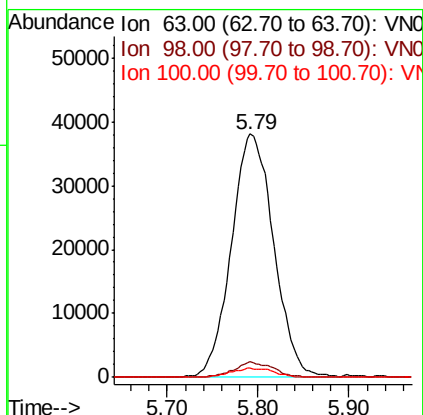
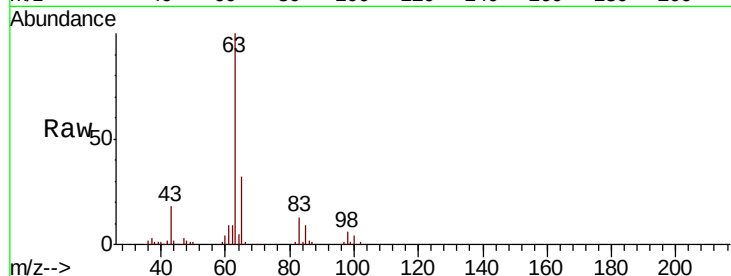




#21
 1,1-Dichloroethane
 Concen: 18.273 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

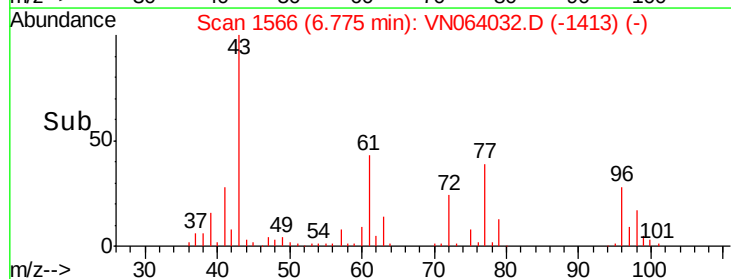
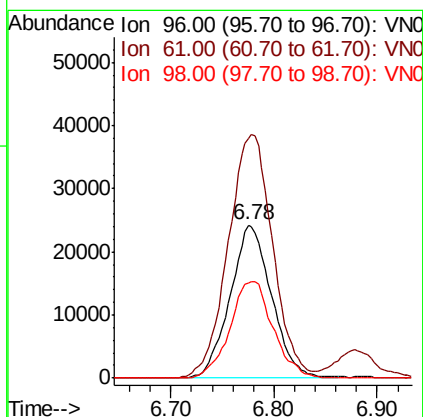
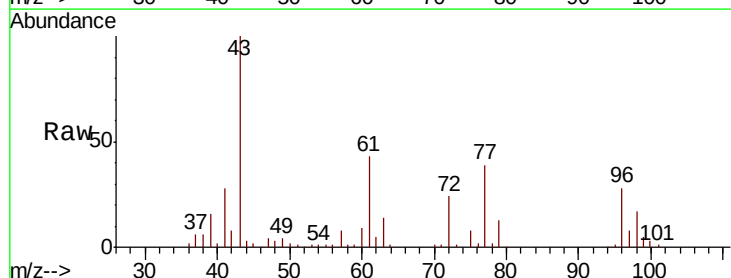
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

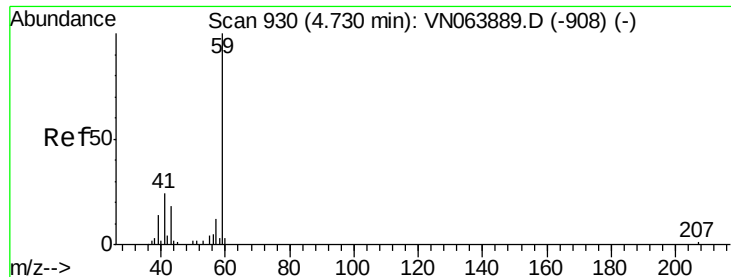
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.1	9.3
100	3.7	1.8	5.3



#22
 cis-1,2-Dichloroethene
 Concen: 17.980 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.8	120.9	181.3
98	65.7	50.3	75.5





#23

tert-Butyl Alcohol

Concen: 88.538 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

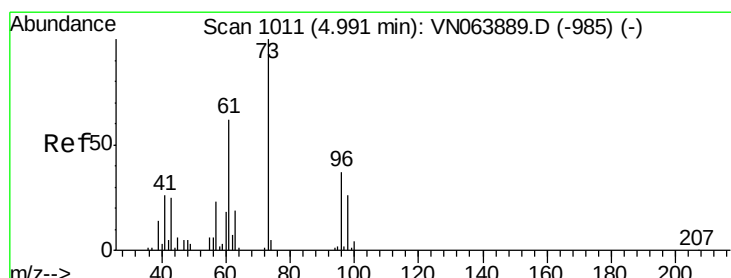
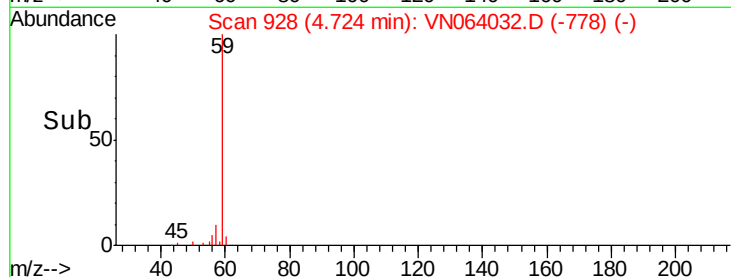
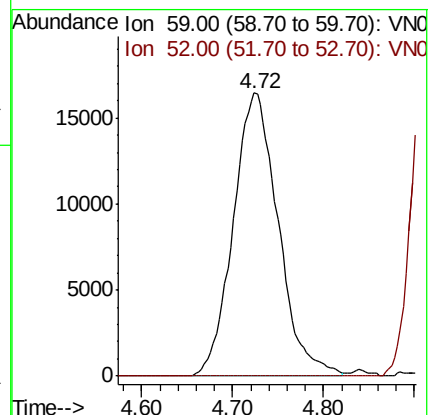
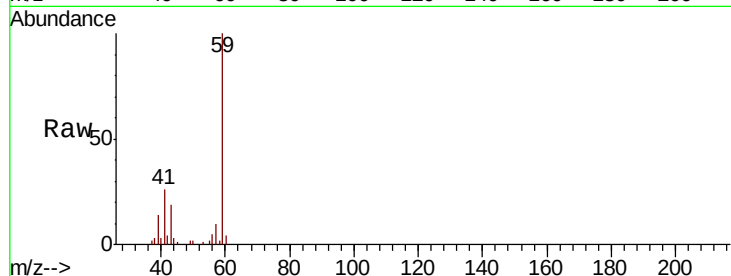
BFB

Tot Ion: 59 Resp: 56495

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 18.421 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064032.D

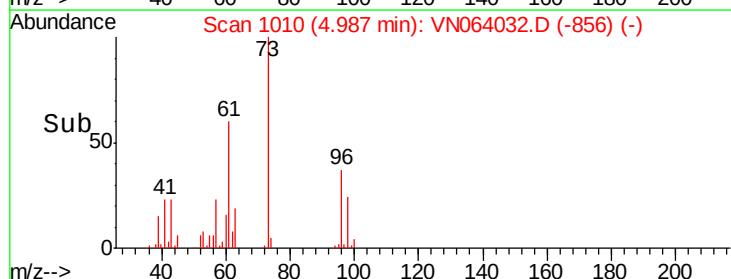
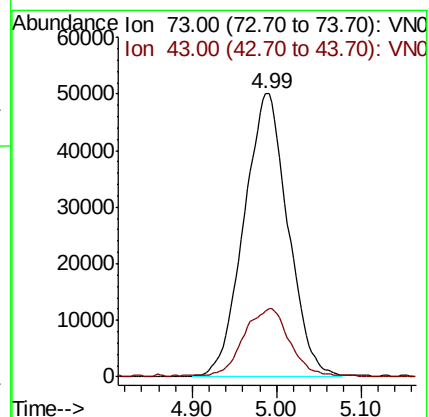
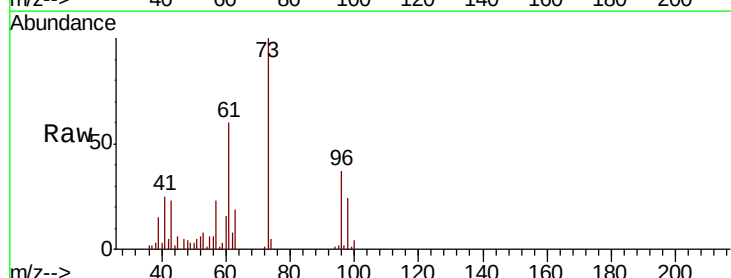
Acq: 9 Oct 2020 12:14

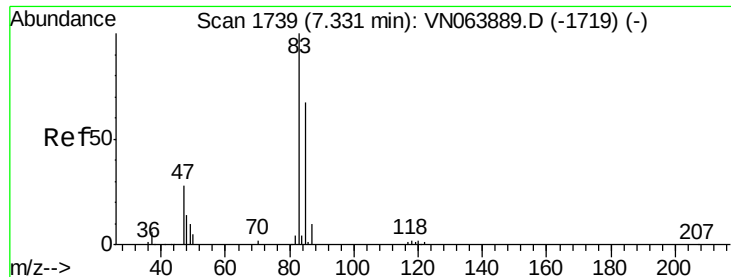
Tgt Ion: 73 Resp: 181676

Ion Ratio Lower Upper

73 100

43 23.7 15.8 23.6#

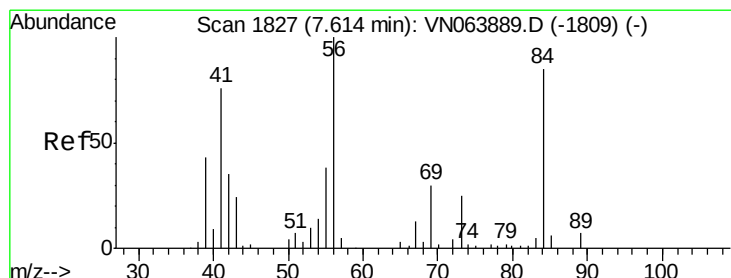
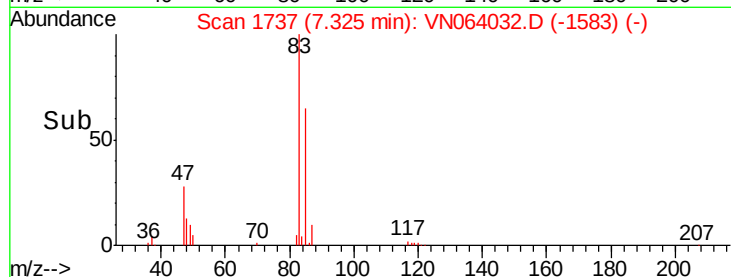
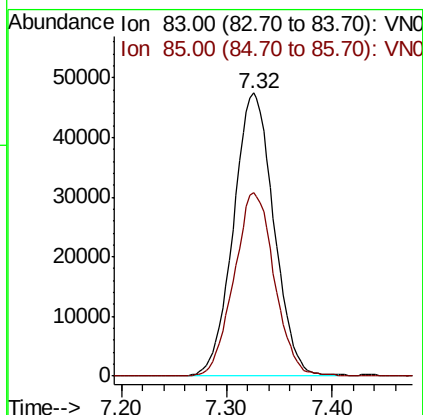
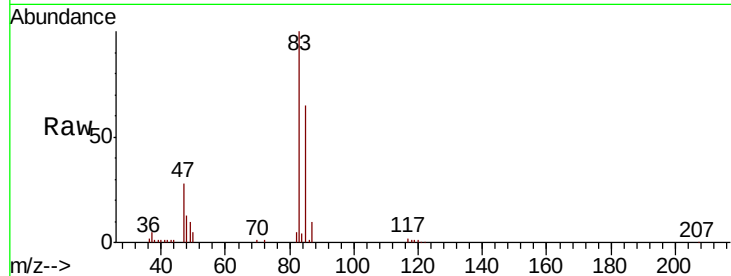




#25
Chloroform
Concen: 18.069 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

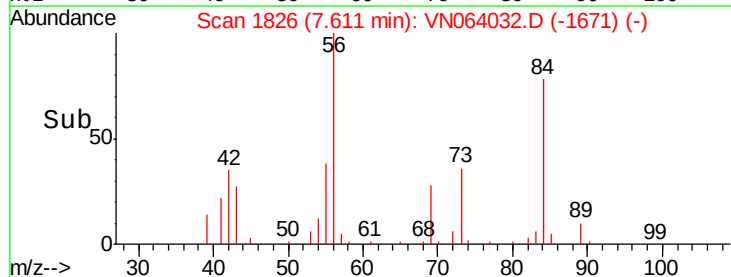
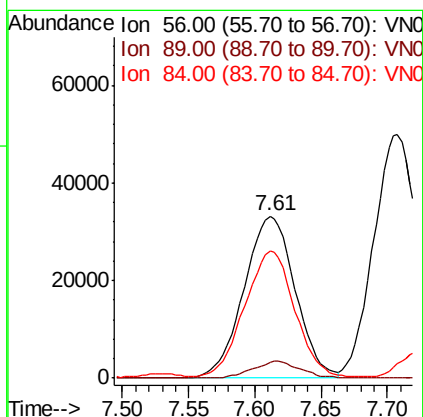
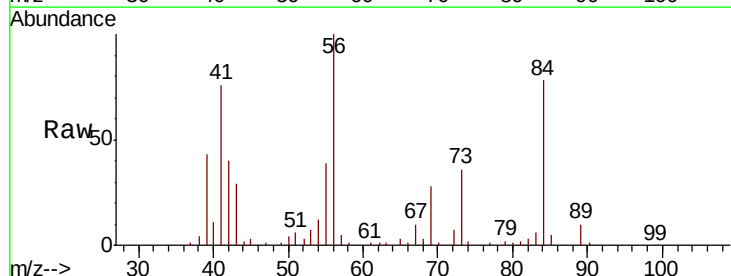
Instrument :
MSVOA_N
ClientSampled :
BFB

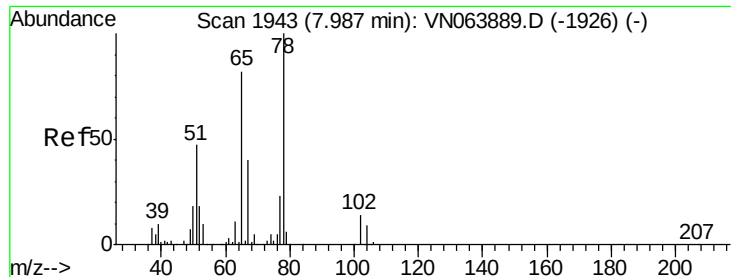
Tot Ion: 83 Resp: 126155
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.4



#26
Cyclohexane
Concen: 18.583 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 56 Resp: 89133
Ion Ratio Lower Upper
56 100
89 9.7 0.0 0.0#
84 76.1 65.0 97.4

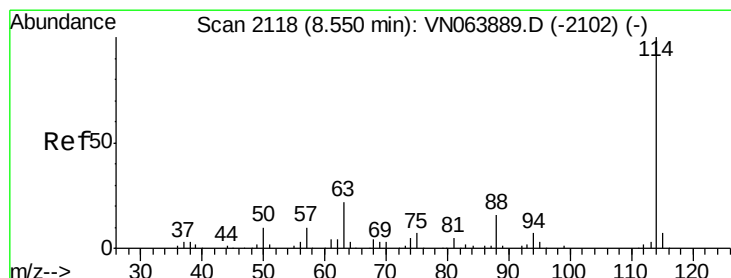
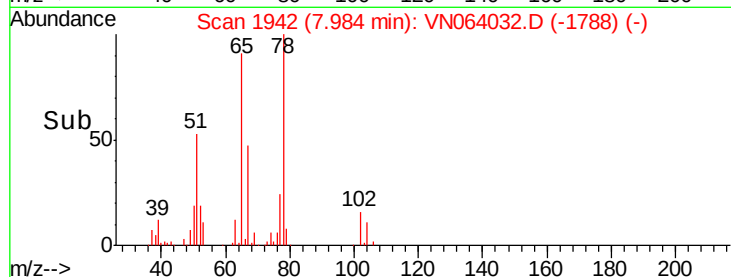
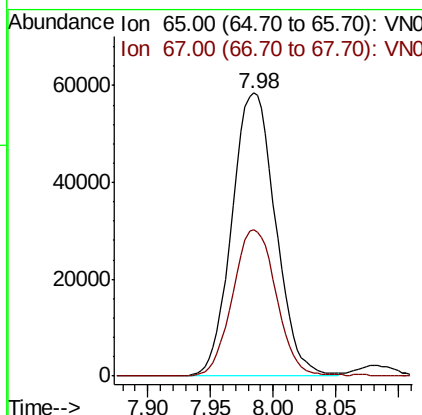
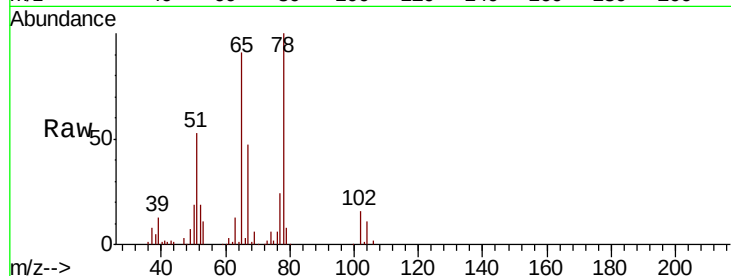




#27
 1,2-Dichloroethane-d4
 Concen: 28.792 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

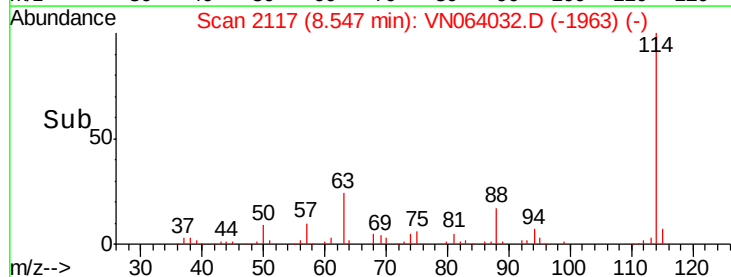
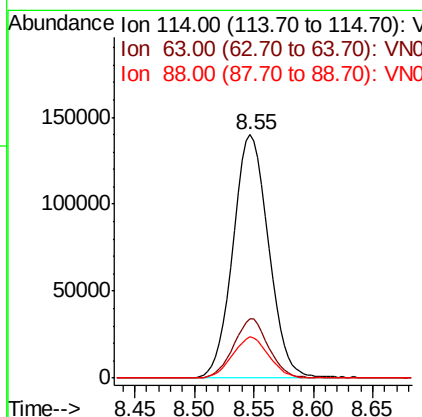
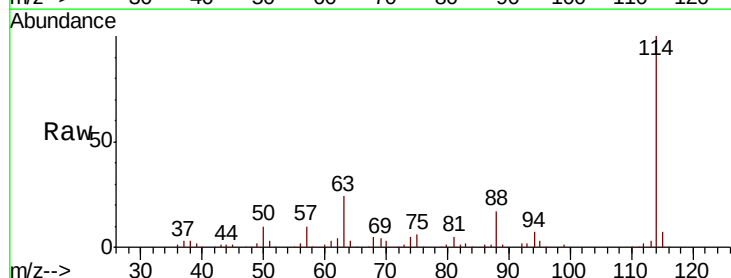
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

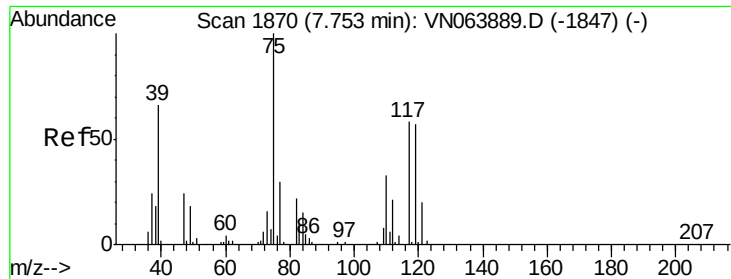
Tot Ion: 65 Resp: 141664
 Ion Ratio Lower Upper
 65 100
 67 51.8 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion: 114 Resp: 291118
 Ion Ratio Lower Upper
 114 100
 63 23.8 17.0 25.6
 88 17.0 12.6 18.8

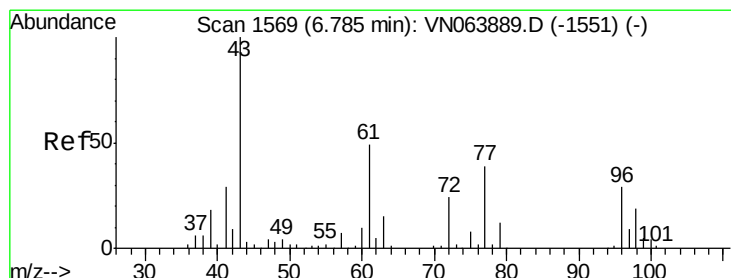
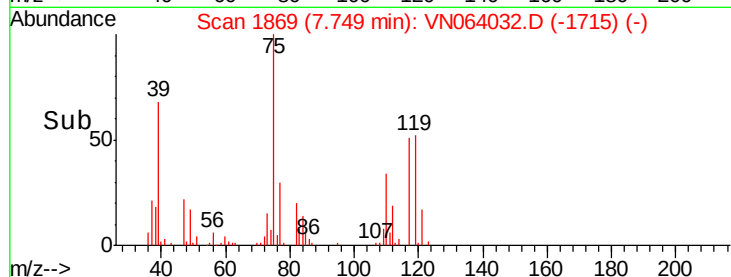
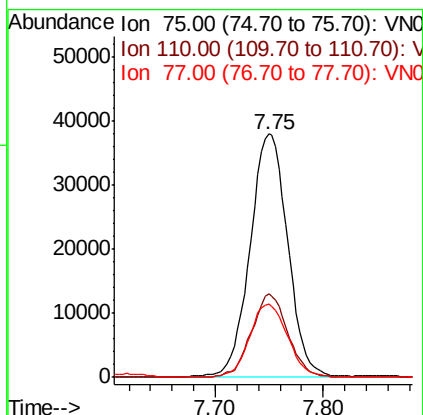
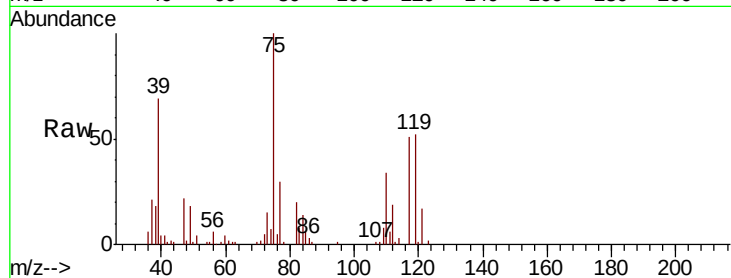




#29
 1,1-Dichloropropene
 Concen: 18.090 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

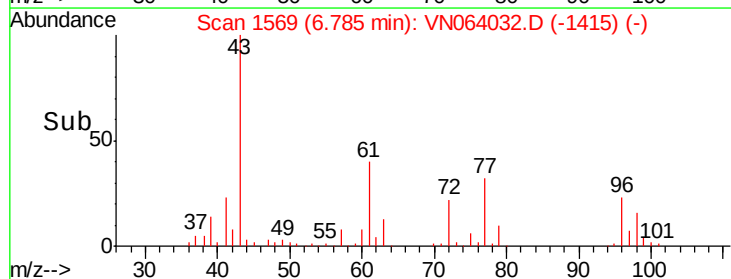
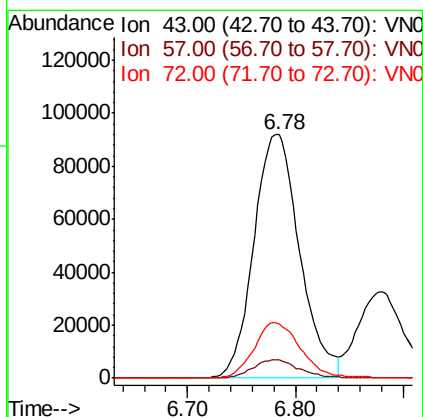
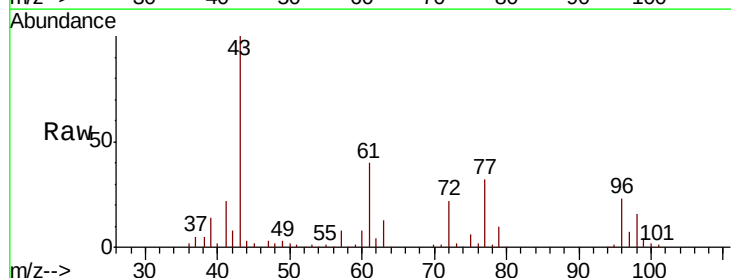
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

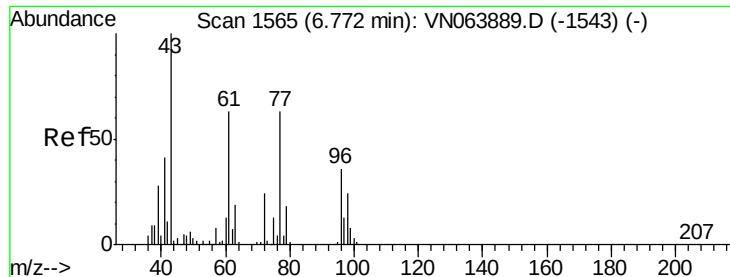
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	0.0	70.6
77	30.5	0.0	60.2



#30
 2-Butanone
 Concen: 108.032 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.6	9.8
72	23.2	21.3	31.9





#31

2,2-Dichloropropane

Concen: 17.989 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

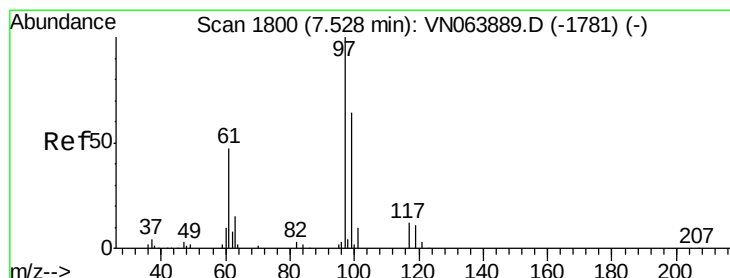
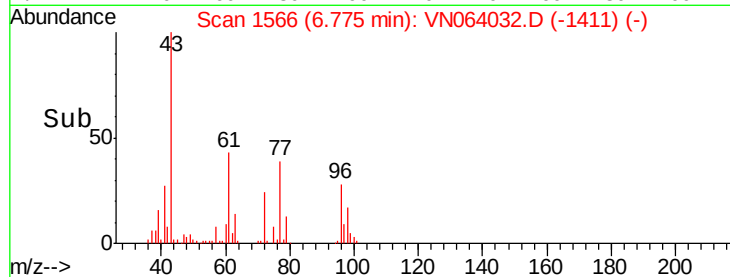
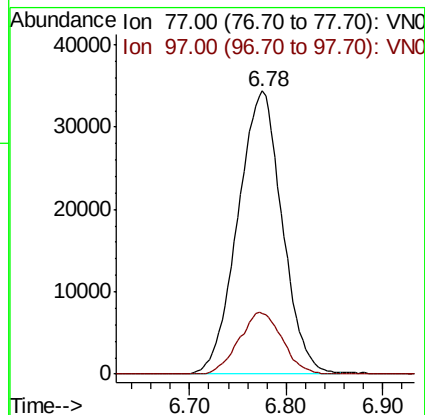
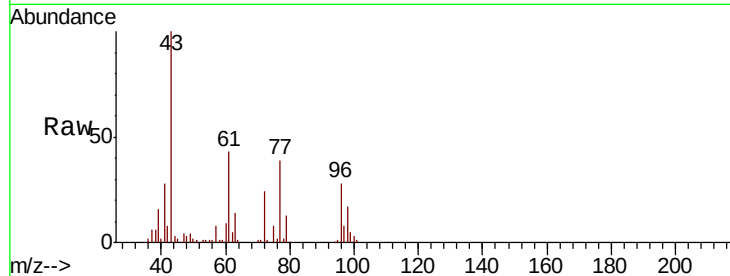
BFB

Tot Ion: 77 Resp: 109602

Ion Ratio Lower Upper

77 100

97 21.3 18.2 27.4



#32

1,1,1-Trichloroethane

Concen: 17.336 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

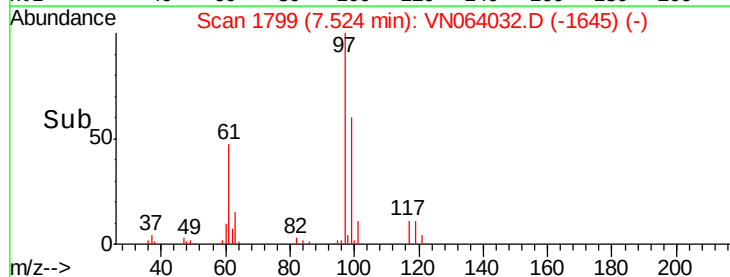
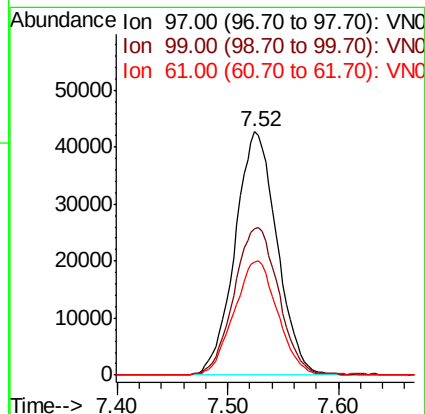
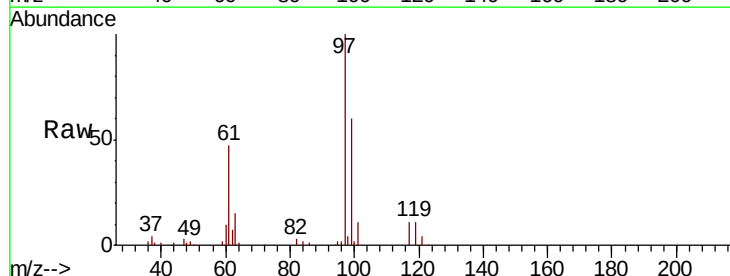
Tgt Ion: 97 Resp: 112752

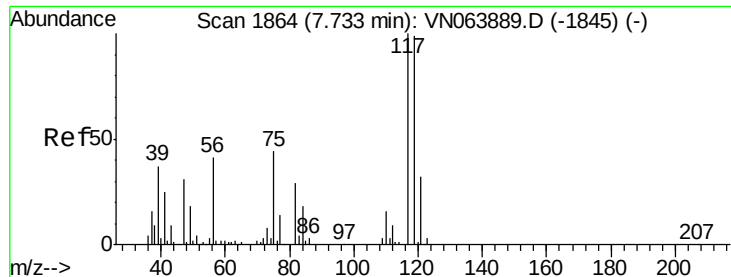
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 48.5 35.3 52.9

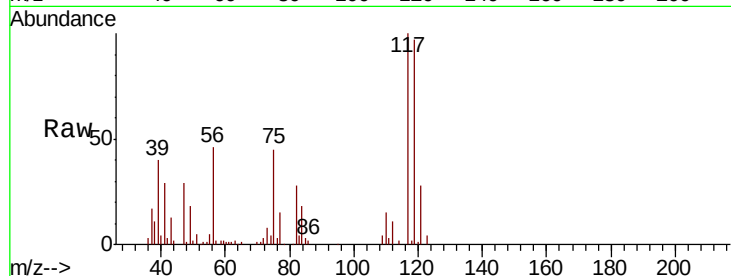




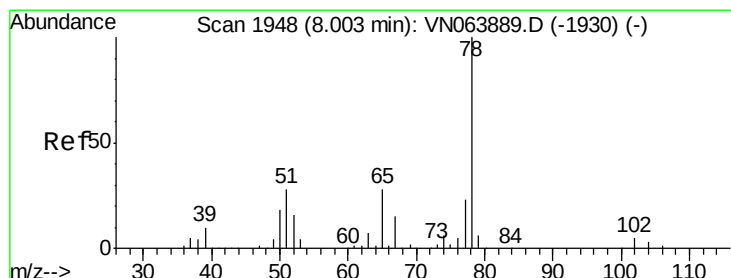
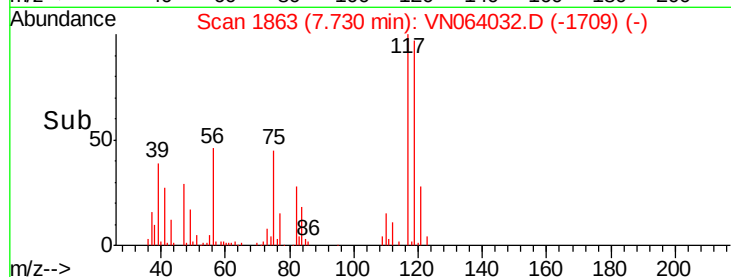
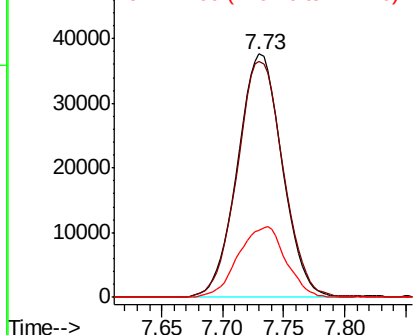
#33
Carbon Tetrachloride
Concen: 16.763 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:117 Resp: 95520
Ion Ratio Lower Upper
117 100
119 96.5 73.0 109.4
121 27.7 24.9 37.3

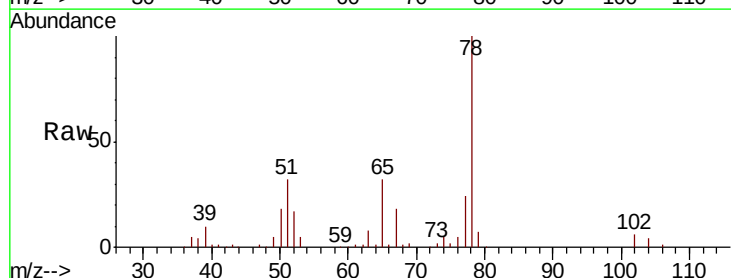


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

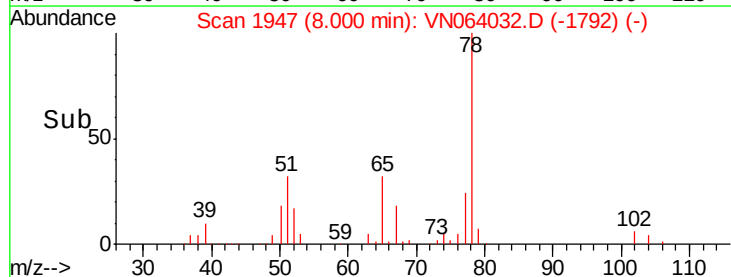
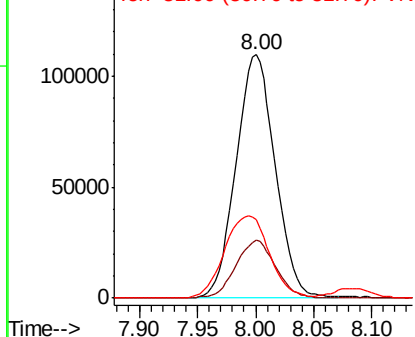


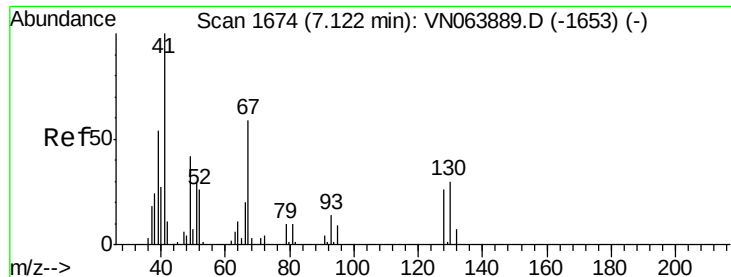
#34
Benzene
Concen: 17.814 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 78 Resp: 258219
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8
51 31.6 22.2 33.2



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

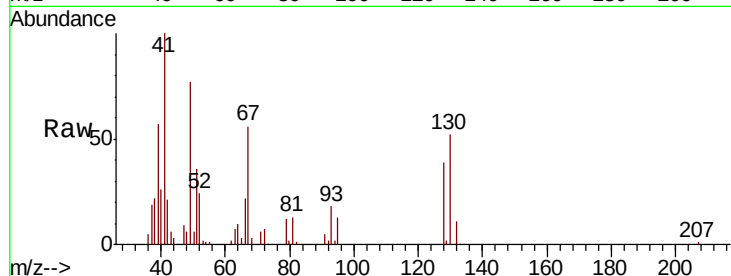




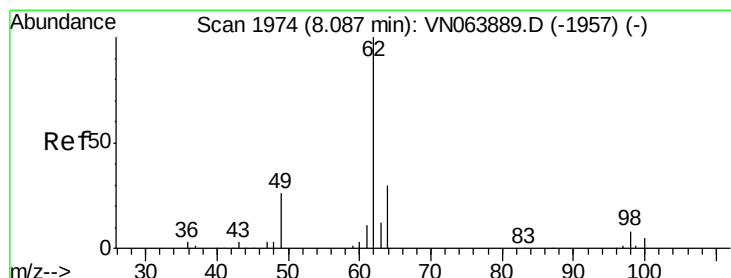
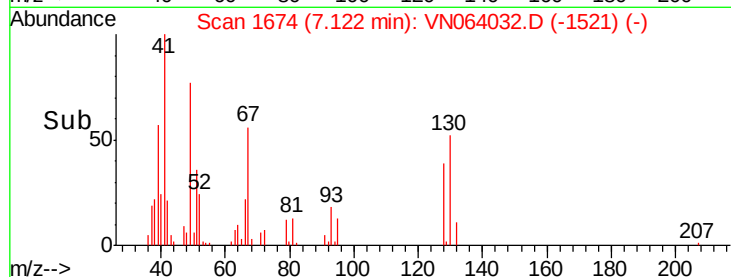
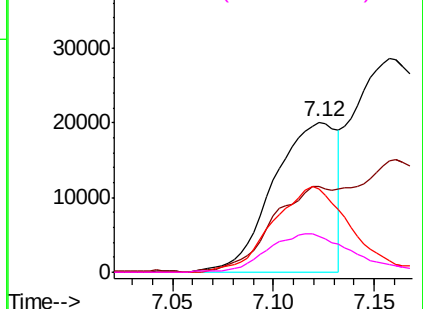
#35
Methacrylonitrile
Concen: 18.478 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 41 Resp: 43914
Ion Ratio Lower Upper
41 100
39 57.4 23.7 71.1
67 55.9 31.6 94.7
52 24.2 13.1 39.3

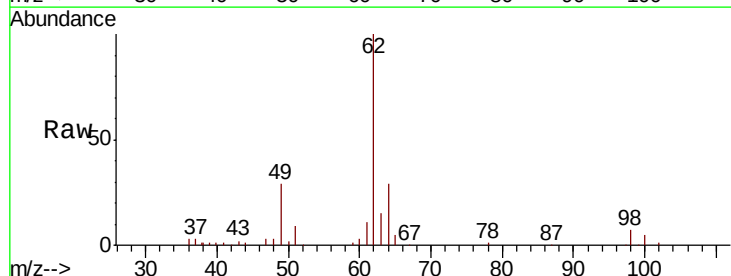


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

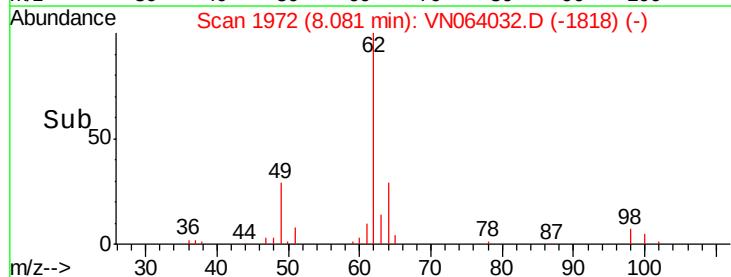
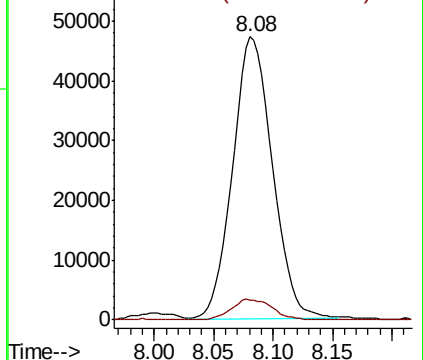


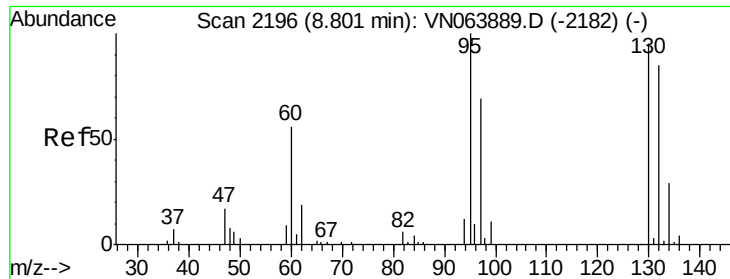
#36
1,2-Dichloroethane
Concen: 17.203 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 62 Resp: 109559
Ion Ratio Lower Upper
62 100
98 7.4 7.6 11.4#



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

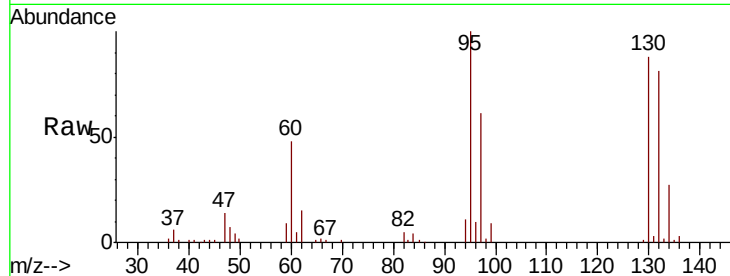




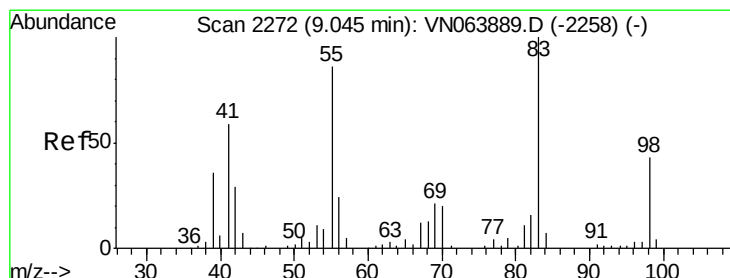
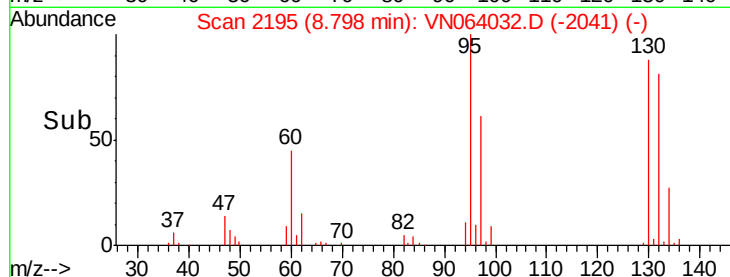
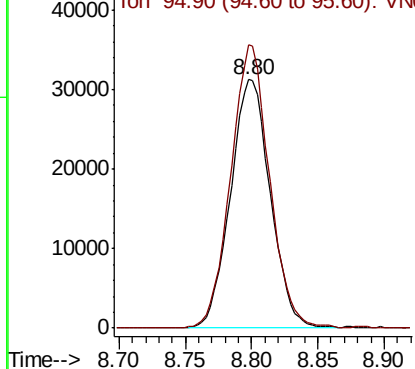
#37
 Trichloroethene
 Concen: 17.193 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion:130 Resp: 65297
 Ion Ratio Lower Upper
 130 100
 95 113.9 78.9 118.3

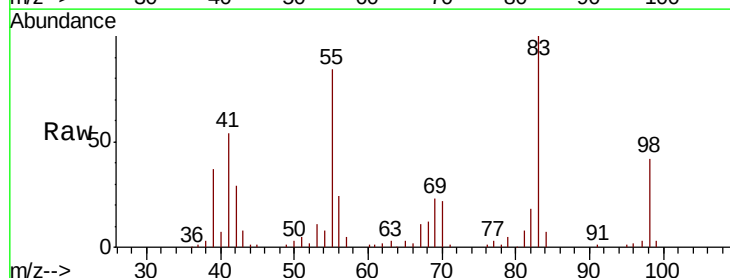


Abundance Ion 129.90 (129.60 to 130.60): VN064032.D (-2182) (-)
 Ion 94.90 (94.60 to 95.60): VN064032.D (-2182) (-)

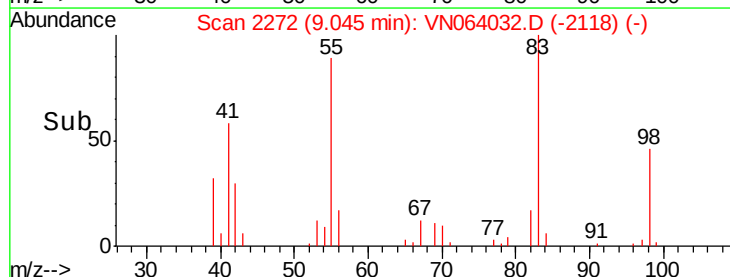
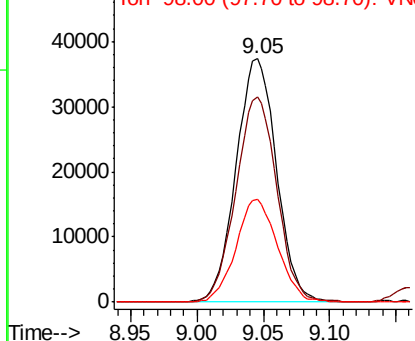


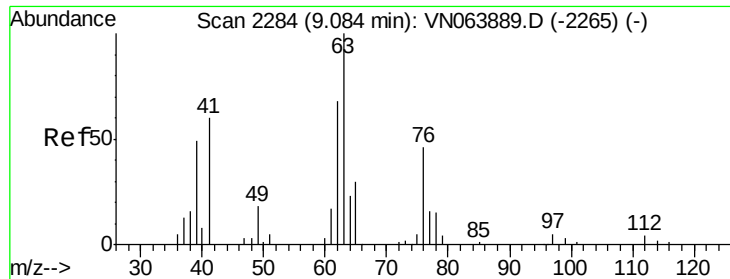
#38
 Methylcyclohexane
 Concen: 18.384 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion: 83 Resp: 79133
 Ion Ratio Lower Upper
 83 100
 55 85.0 41.9 125.7
 98 43.2 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN064032.D (-2258) (-)
 Ion 55.00 (54.70 to 55.70): VN064032.D (-2258) (-)
 Ion 98.00 (97.70 to 98.70): VN064032.D (-2258) (-)





#39

1,2-Dichloropropane

Concen: 18.371 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

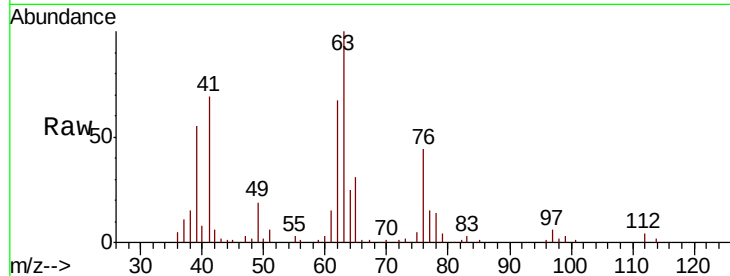
BFB

Tot Ion: 63 Resp: 72356

Ion Ratio Lower Upper

63 100

65 31.1 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VN064032.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN064032.D (-2129) (-)

9.08

30000

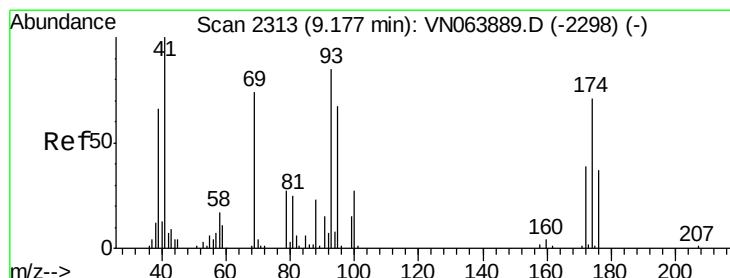
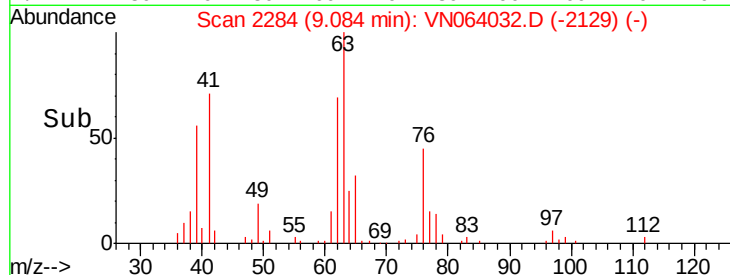
20000

10000

0

9.00 9.05 9.10 9.15

Time-->



#40

Dibromomethane

Concen: 17.151 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

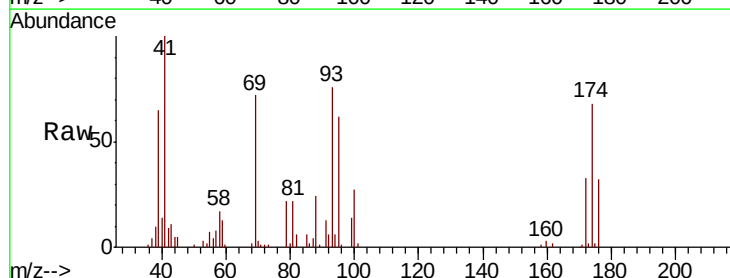
Tgt Ion: 93 Resp: 47177

Ion Ratio Lower Upper

93 100

95 82.2 0.0 168.2

174 91.5 0.0 208.4



Abundance Ion 93.00 (92.70 to 93.70): VN064032.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN064032.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN064032.D (-2157) (-)

9.17

30000

25000

20000

15000

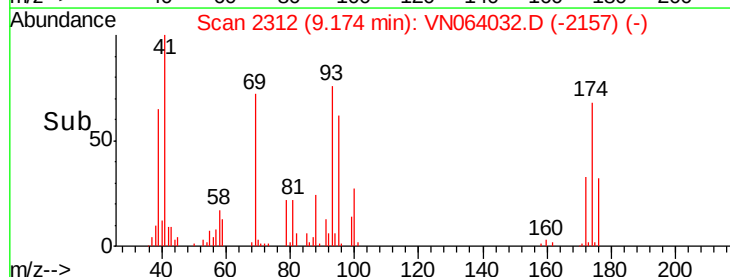
10000

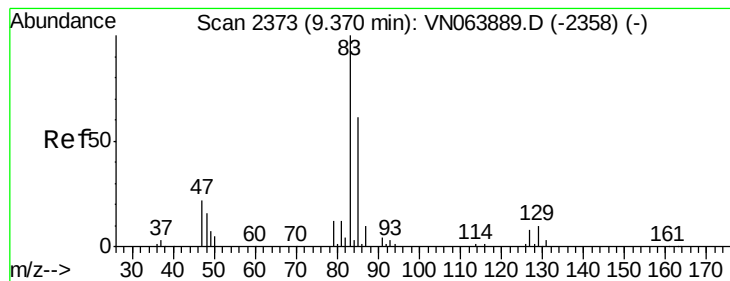
5000

0

9.10 9.15 9.20 9.25

Time-->





#41

Bromodichloromethane

Concen: 17.185 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

BFB

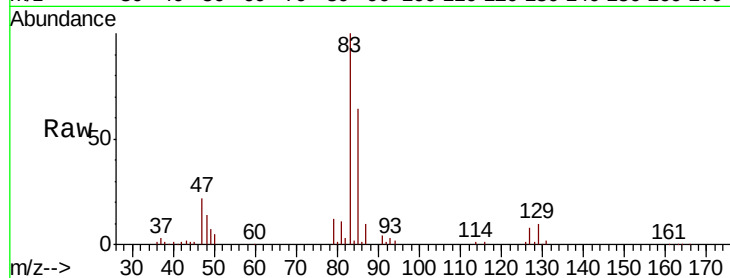
Tot Ion: 83 Resp: 98247

Ion Ratio Lower Upper

83 100

85 63.4 52.6 79.0

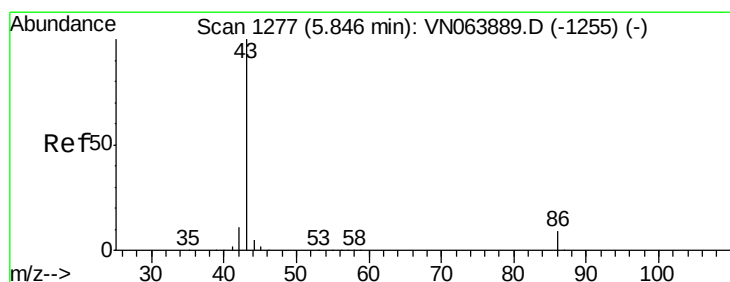
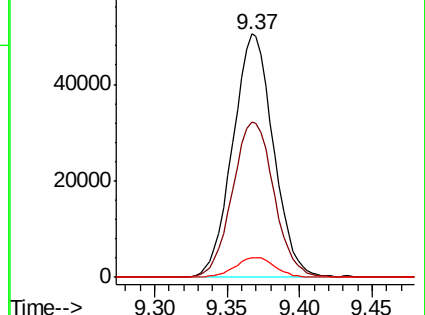
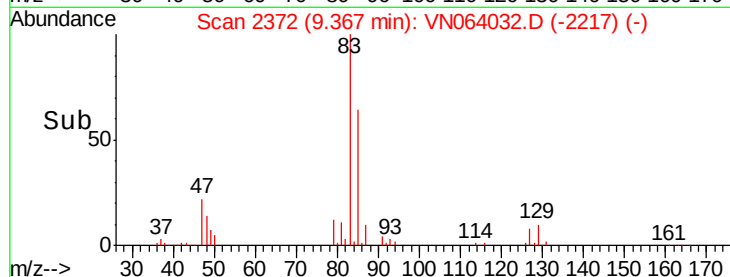
127 8.0 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VN063889.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN063889.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN063889.D (-2358) (-)



#42

Vinyl Acetate

Concen: 92.758 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064032.D

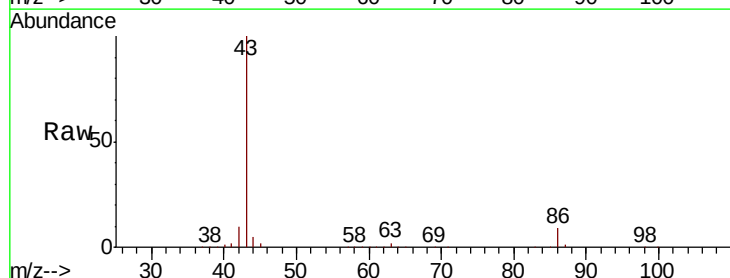
Acq: 9 Oct 2020 12:14

Tgt Ion: 43 Resp: 962614

Ion Ratio Lower Upper

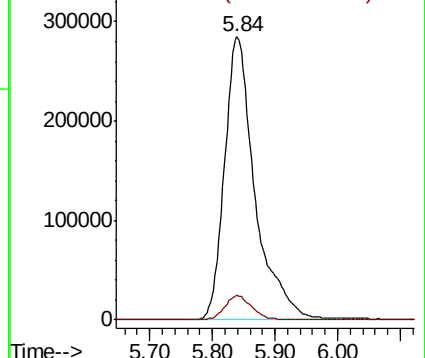
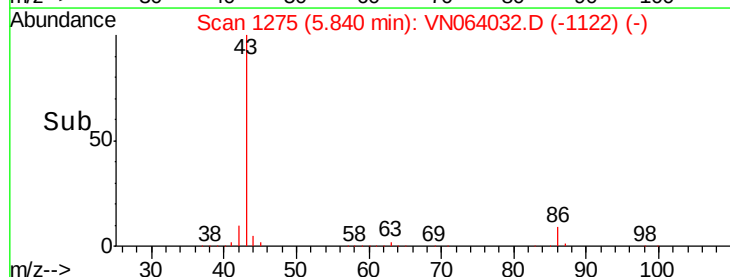
43 100

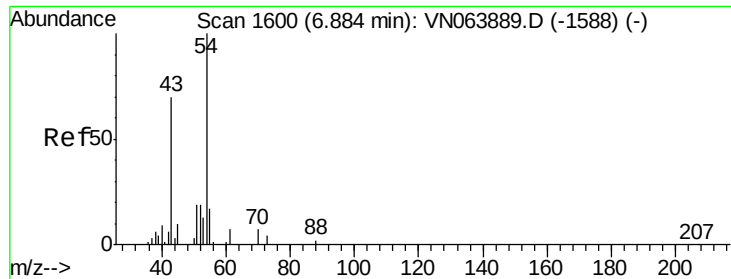
86 7.6 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN063889.D (-1255) (-)





#43

Ethyl Acetate

Concen: 16.618 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

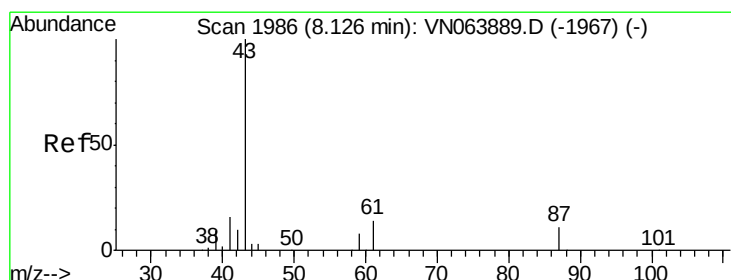
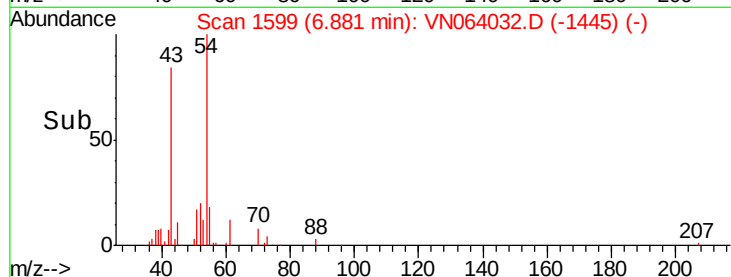
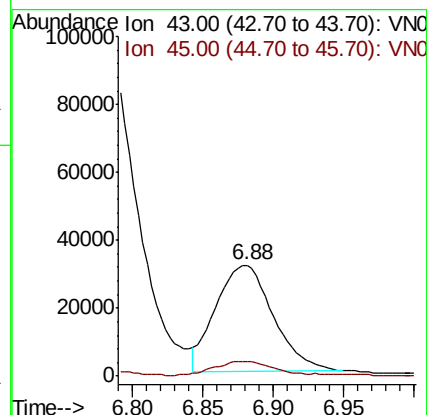
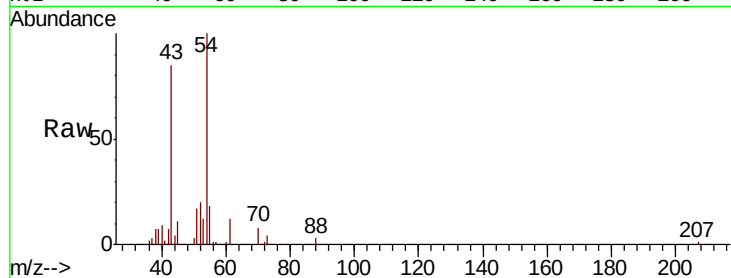
BFB

Tot Ion: 43 Resp: 88985

Ion Ratio Lower Upper

43 100

45 7.5 11.3 16.9#



#44

Isopropyl Acetate

Concen: 18.178 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064032.D

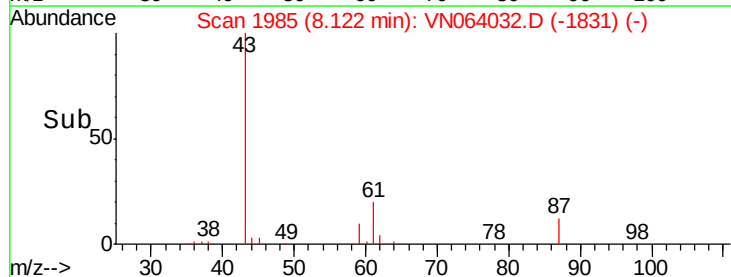
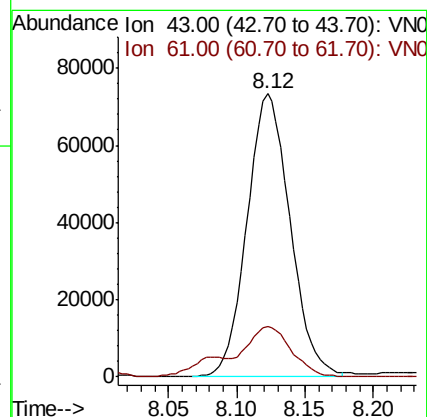
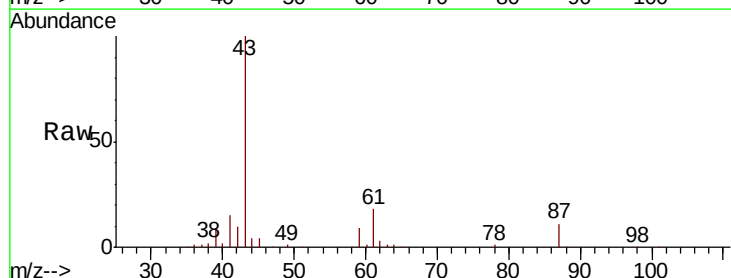
Acq: 9 Oct 2020 12:14

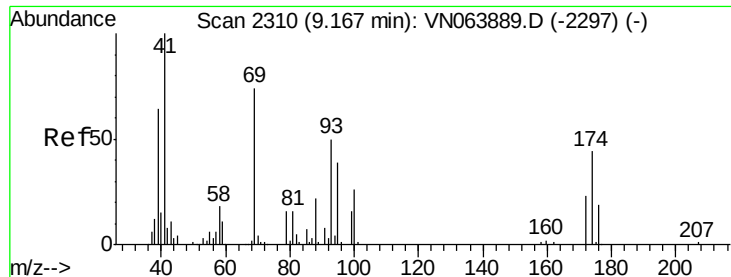
Tgt Ion: 43 Resp: 161315

Ion Ratio Lower Upper

43 100

61 18.3 17.5 26.3





#45

1,4-Dioxane

Concen: 341.009 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

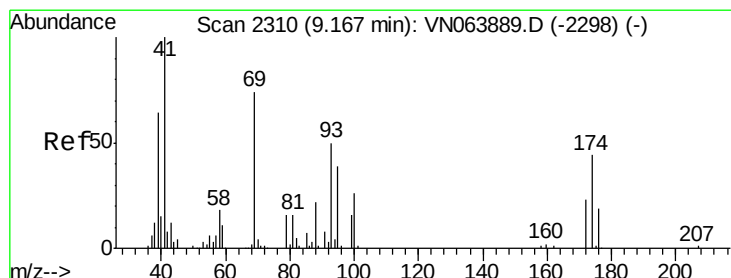
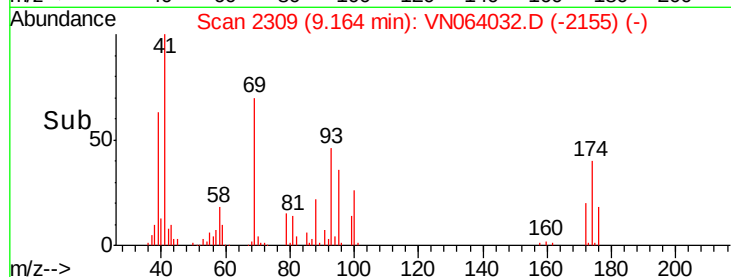
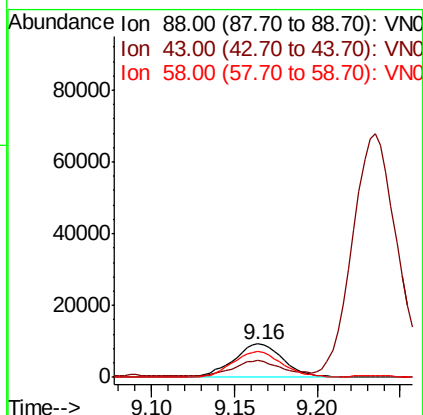
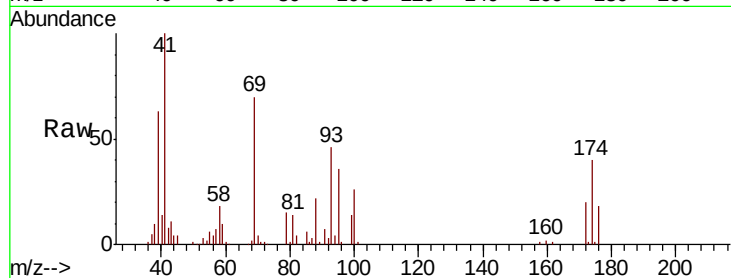
Tot Ion: 88 Resp: 19402

Ion Ratio Lower Upper

88 100

43 43.9 28.5 42.7#

58 76.6 59.6 89.4



#46

Methyl methacrylate

Concen: 17.542 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

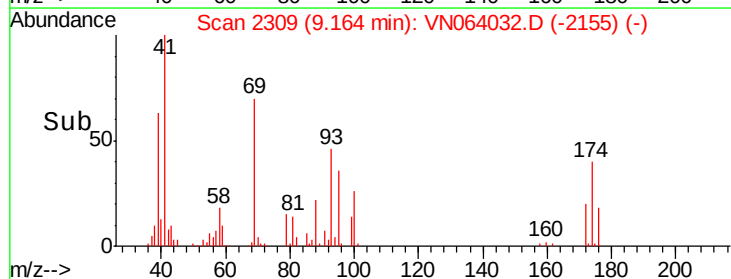
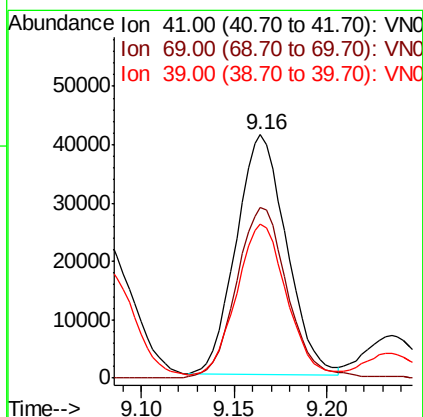
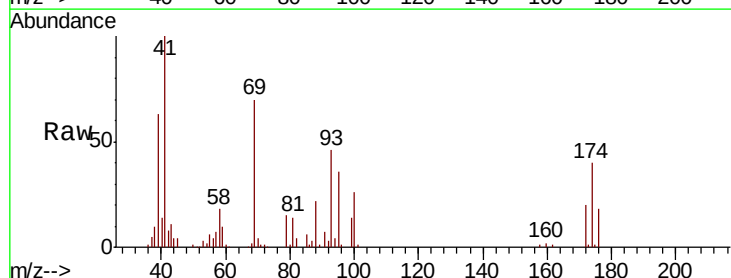
Tgt Ion: 41 Resp: 77452

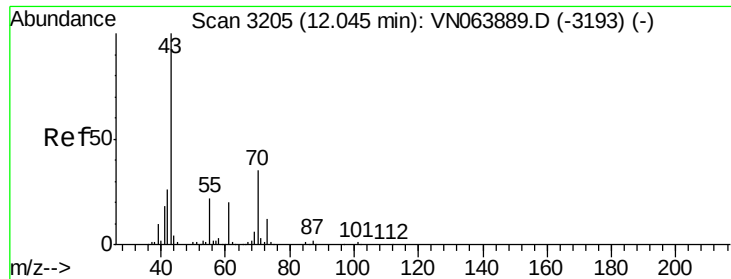
Ion Ratio Lower Upper

41 100

69 70.7 42.6 128.0

39 63.1 25.1 75.4





#47

n-amyl Acetate

Concen: 16.884 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

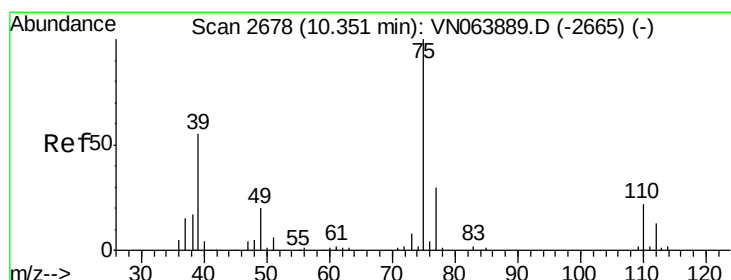
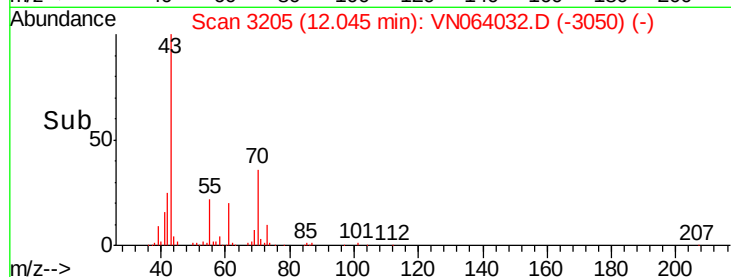
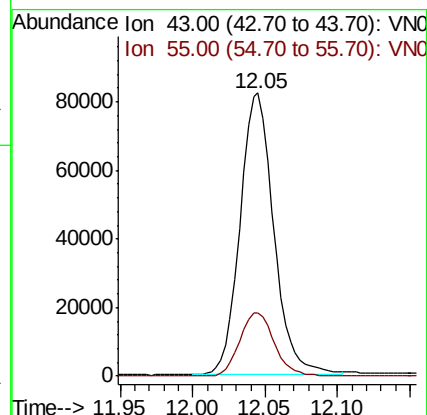
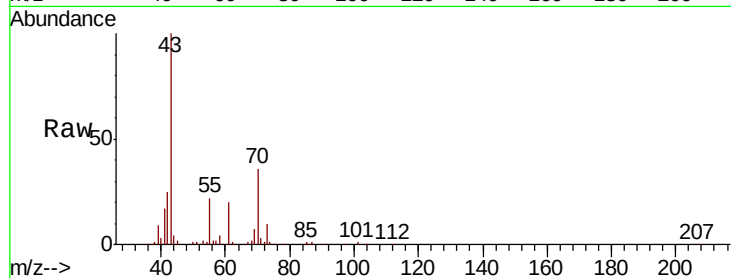
BFB

Tot Ion: 43 Resp: 133220

Ion Ratio Lower Upper

43 100

55 23.0 21.2 31.8



#48

t-1,3-Dichloropropene

Concen: 17.272 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064032.D

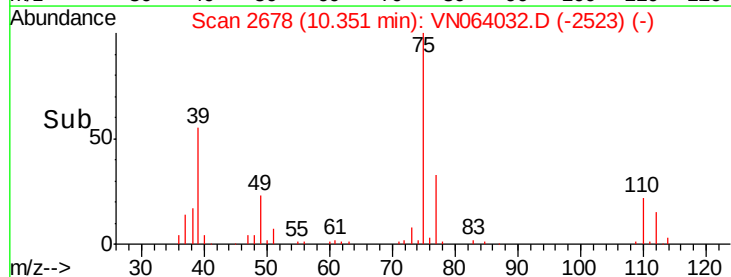
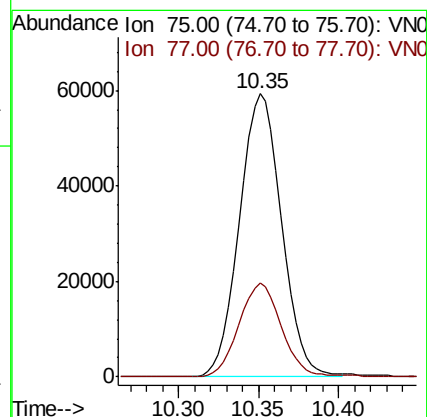
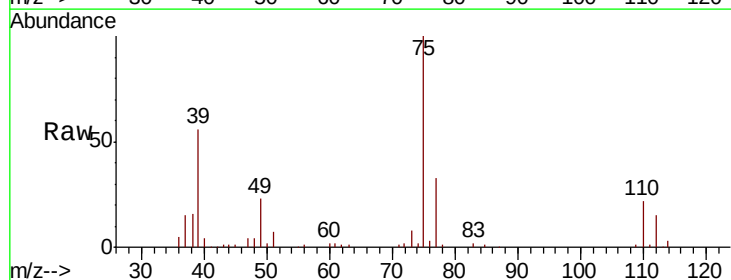
Acq: 9 Oct 2020 12:14

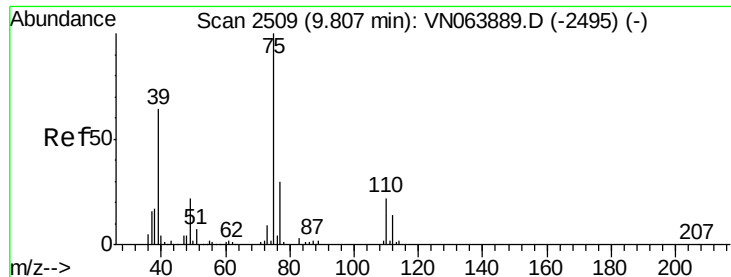
Tgt Ion: 75 Resp: 106705

Ion Ratio Lower Upper

75 100

77 33.1 23.8 35.8





#49

cis-1,3-Dichloropropene

Concen: 17.872 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

BFB

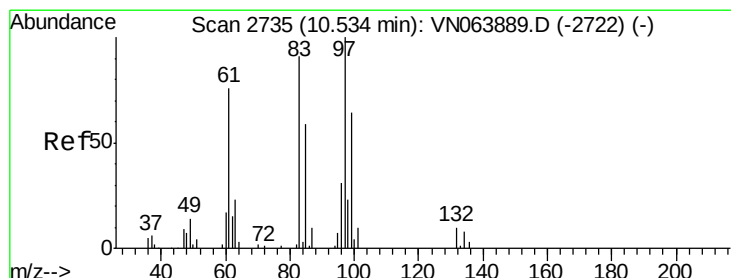
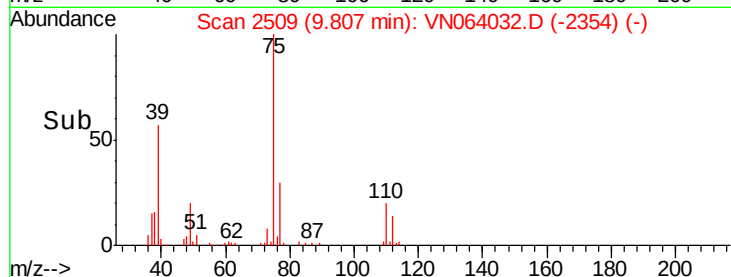
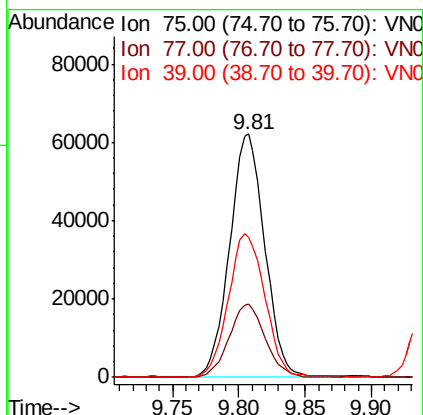
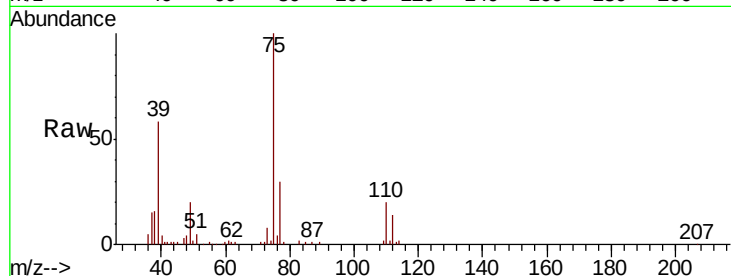
Tot Ion: 75 Resp: 114491

Ion Ratio Lower Upper

75 100

77 30.2 24.8 37.2

39 57.7 34.5 51.7#



#50

1,1,2-Trichloroethane

Concen: 17.611 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Tgt Ion: 97 Resp: 64684

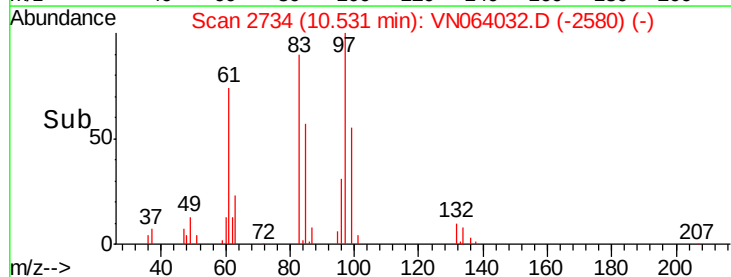
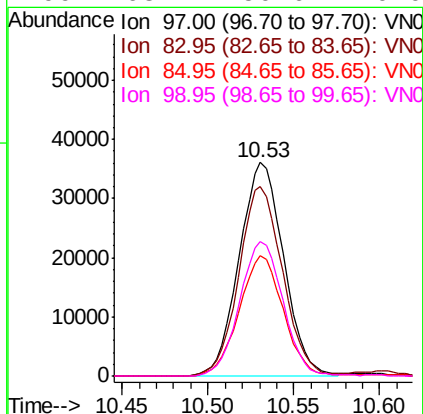
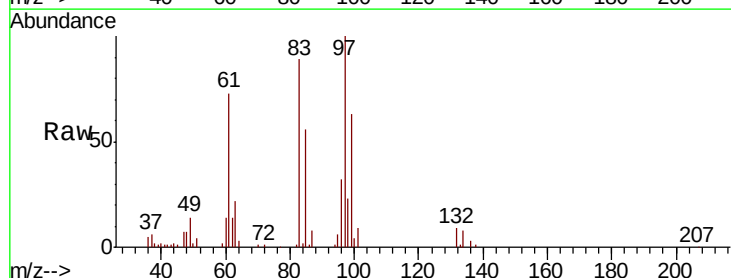
Ion Ratio Lower Upper

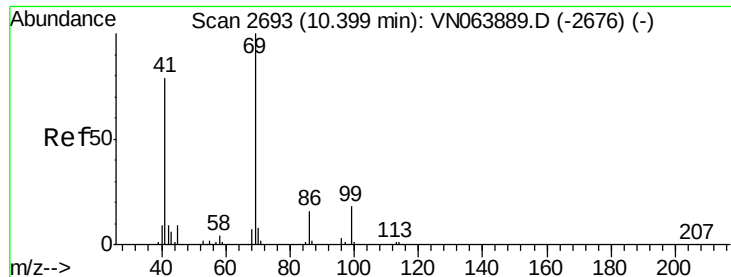
97 100

83 88.9 69.9 104.9

85 56.2 44.0 66.0

99 63.1 50.6 76.0





#51

Ethyl methacrylate

Concen: 17.010 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

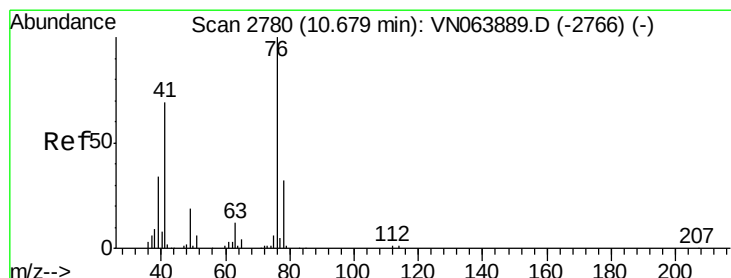
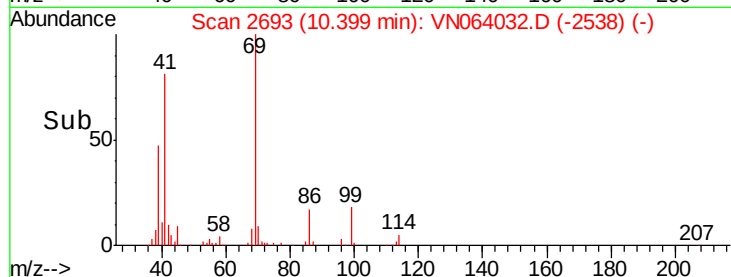
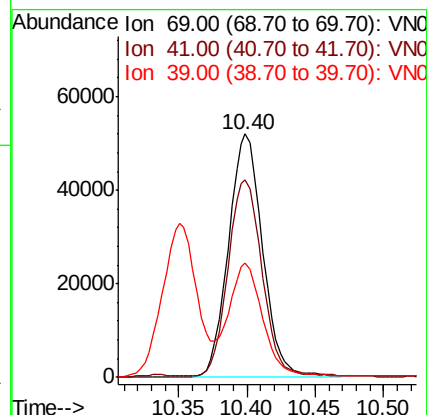
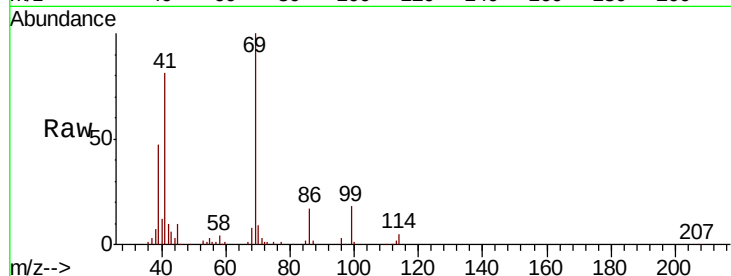
Tot Ion: 69 Resp: 90622

Ion Ratio Lower Upper

69 100

41 80.7 32.1 96.5

39 46.5 16.1 48.3



#52

1,3-Dichloropropane

Concen: 17.493 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064032.D

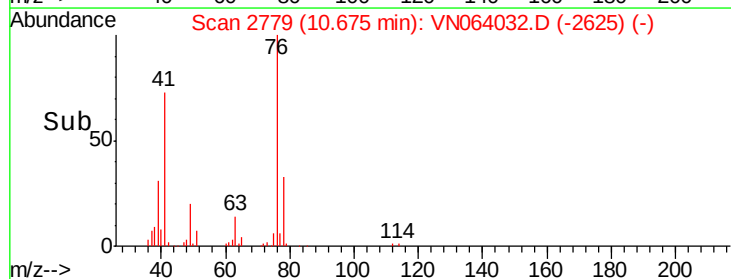
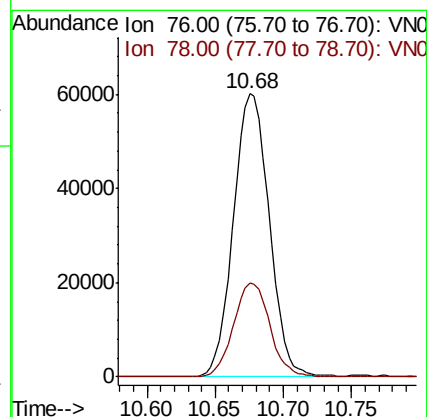
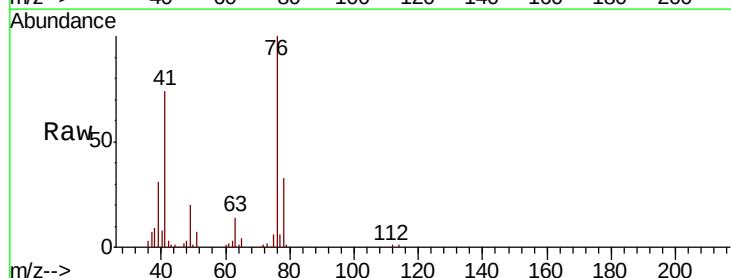
Acq: 9 Oct 2020 12:14

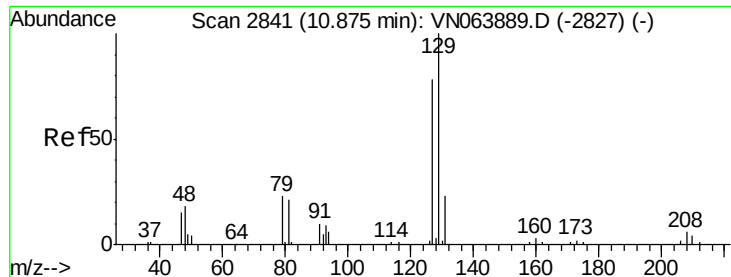
Tgt Ion: 76 Resp: 110061

Ion Ratio Lower Upper

76 100

78 33.6 0.0 63.2

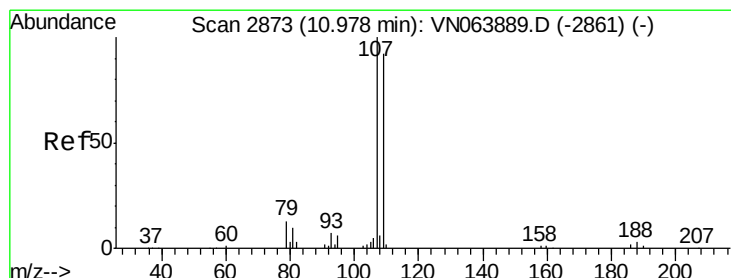
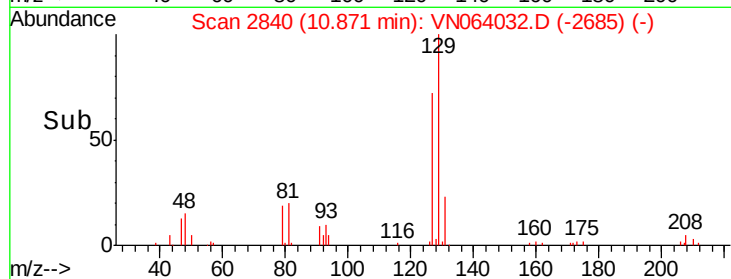
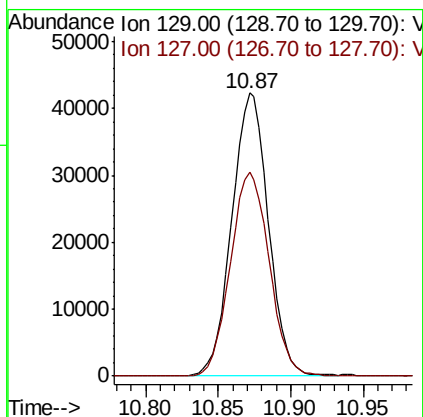
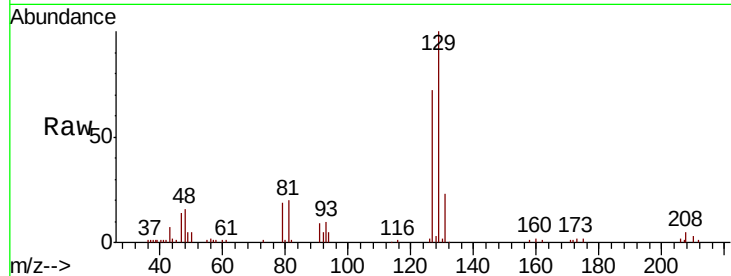




#53
 Dibromochloromethane
 Concen: 17.573 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

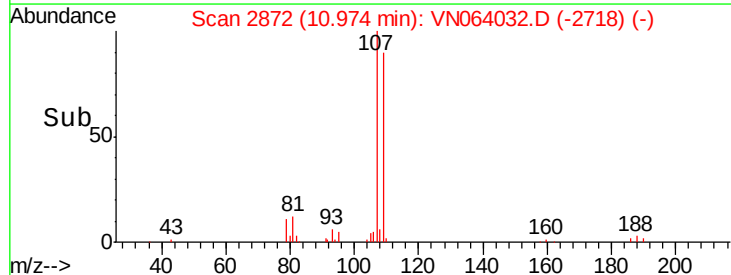
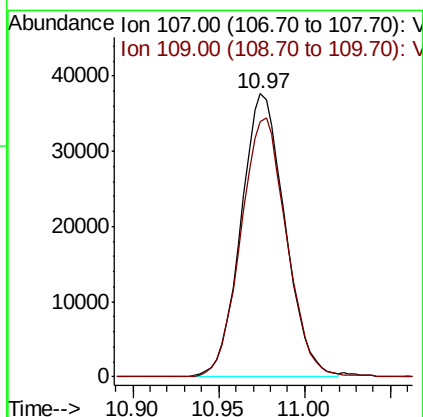
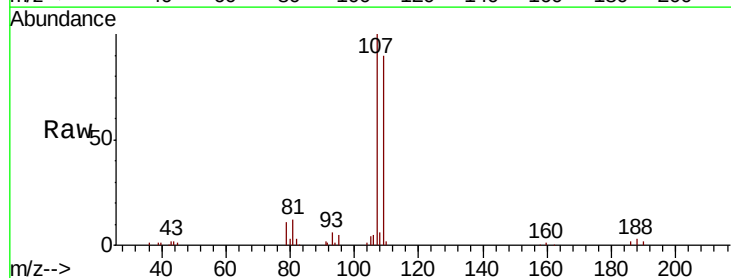
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

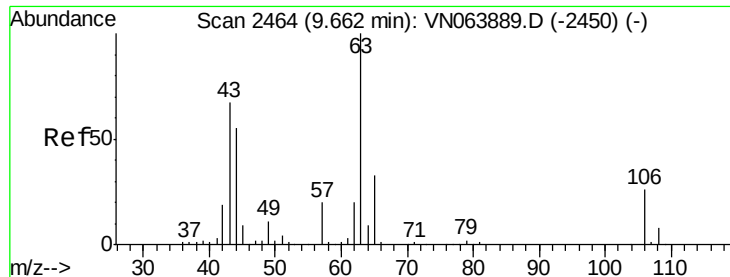
Tot Ion:129 Resp: 74286
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.7 116.1



#54
 1,2-Dibromoethane
 Concen: 17.334 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion:107 Resp: 66755
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.3 114.5

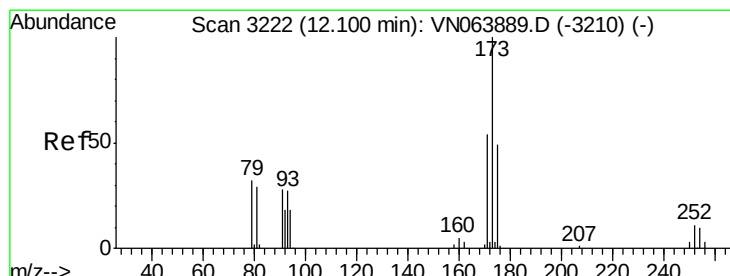
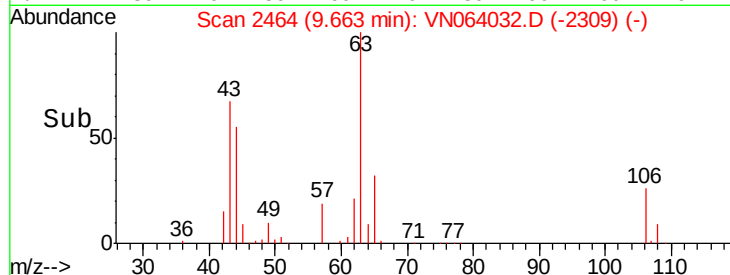
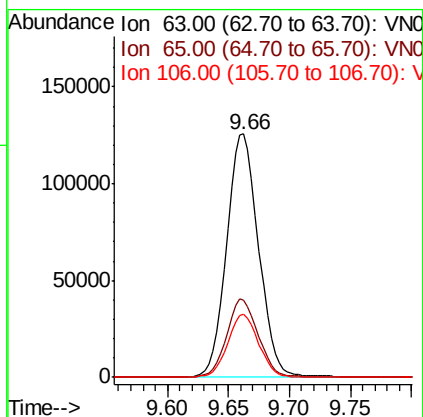
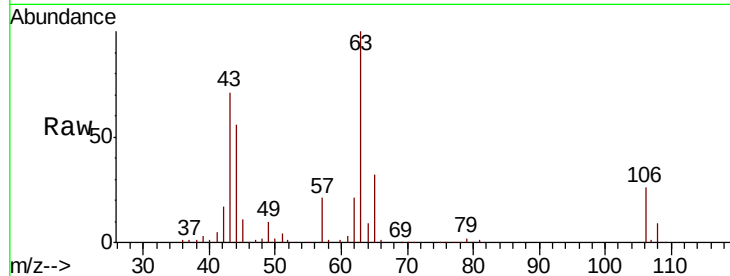




#55
 2-Chloroethyl vinyl ether
 Concen: 80.931 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

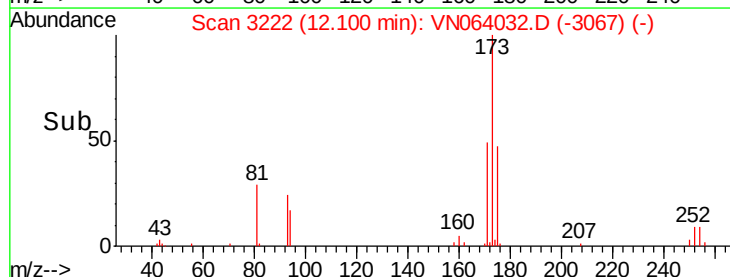
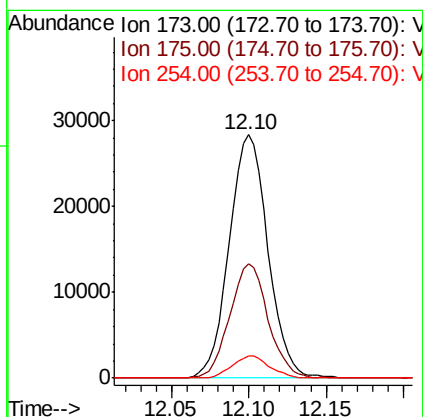
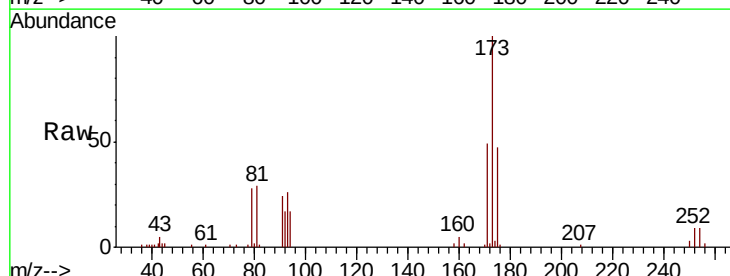
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

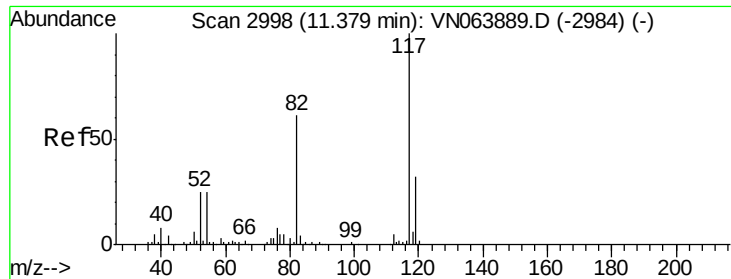
Tot Ion: 63 Resp: 230088
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.9 38.9
 106 25.2 19.9 29.9



#56
 Bromoform
 Concen: 16.782 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion: 173 Resp: 49161
 Ion Ratio Lower Upper
 173 100
 175 46.4 41.2 61.8
 254 8.7 9.0 13.4#

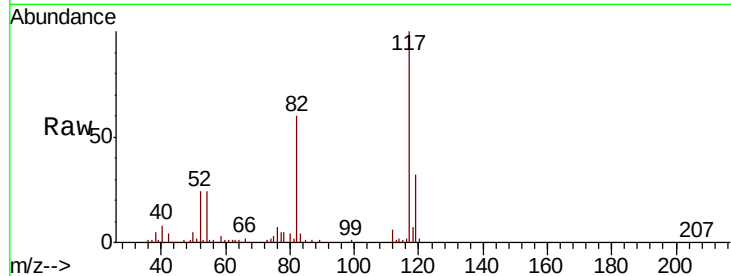




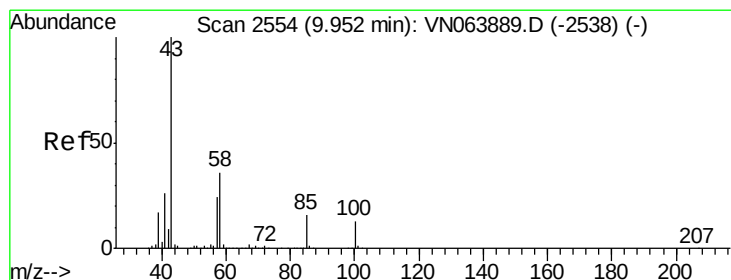
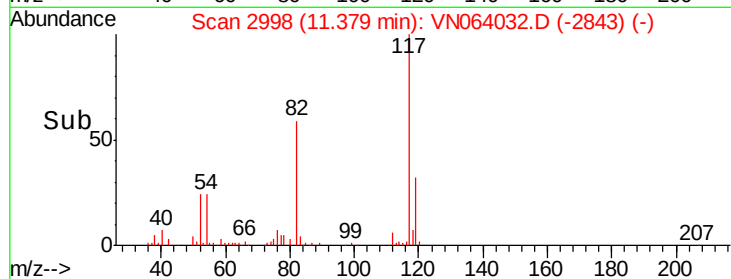
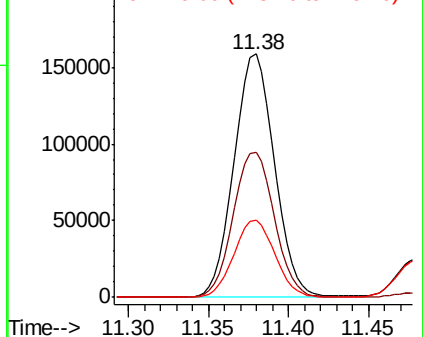
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	44.9	67.3
119	32.1	26.0	39.0

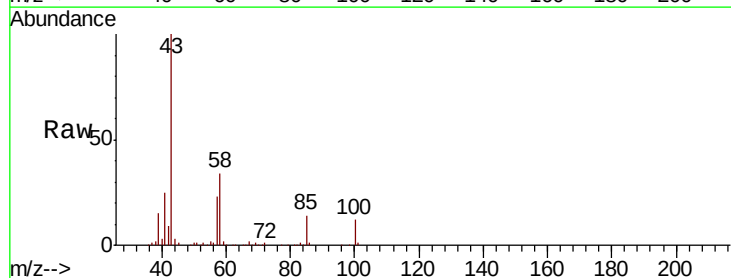


Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-2984) (-)
Ion 82.00 (81.70 to 82.70): VN063889.D (-2984) (-)
Ion 119.00 (118.70 to 119.70): VN063889.D (-2984) (-)

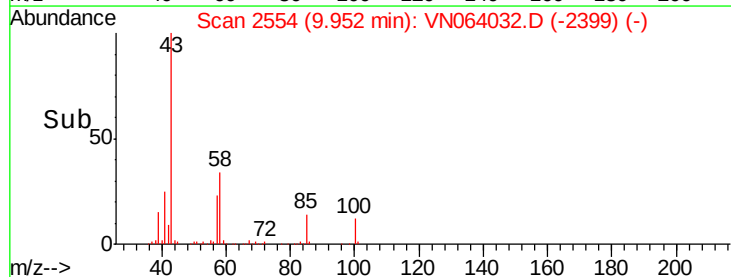
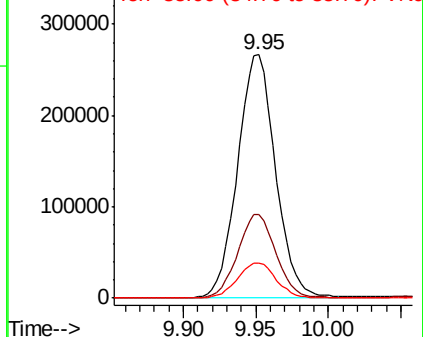


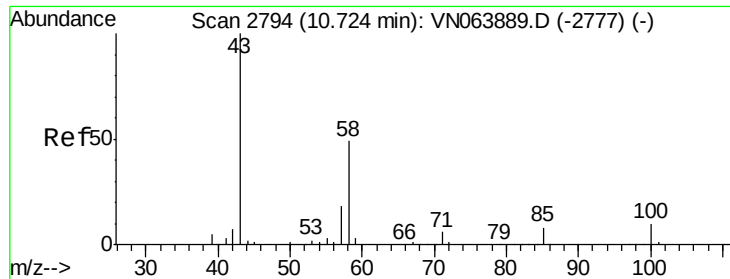
#58
4-Methyl-2-Pentanone
Concen: 90.895 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	31.4	47.0
85	14.8	13.4	20.2



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-2538) (-)
Ion 58.00 (57.70 to 58.70): VN063889.D (-2538) (-)
Ion 85.00 (84.70 to 85.70): VN063889.D (-2538) (-)

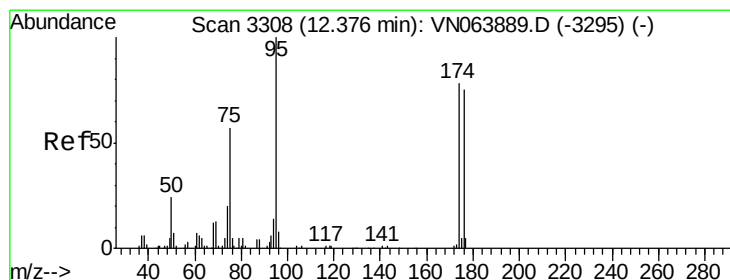
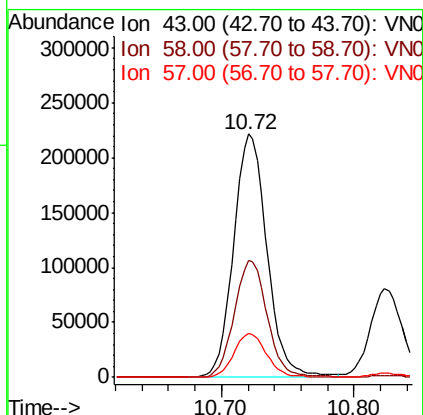
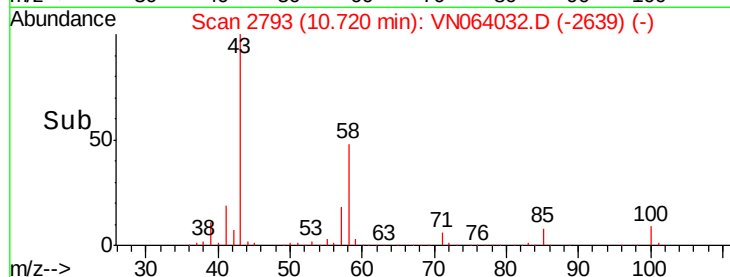
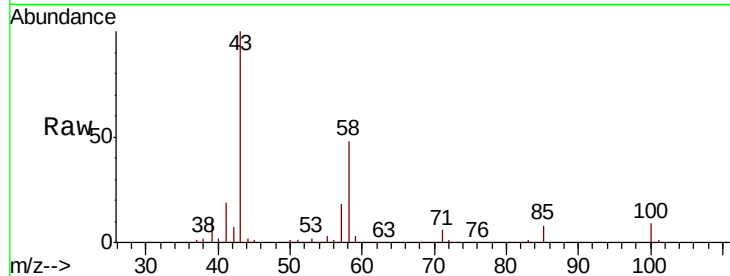




#59
2-Hexanone
Concen: 96.960 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

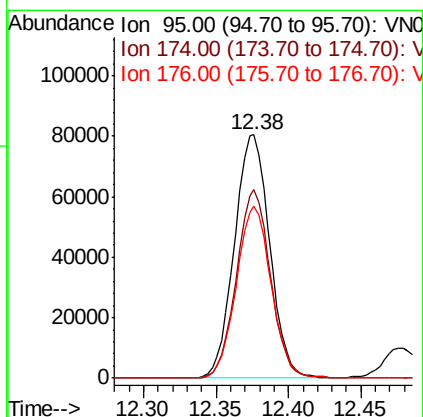
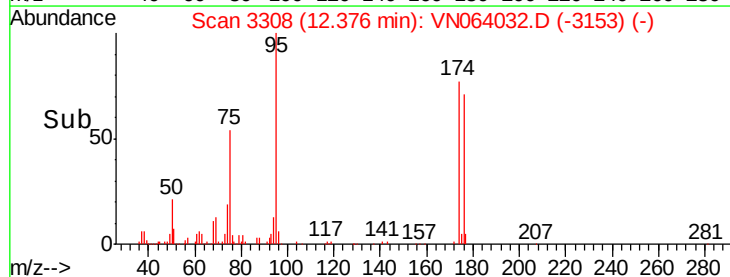
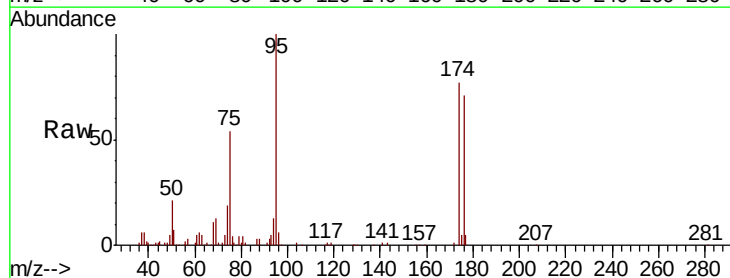
Instrument :
MSVOA_N
ClientSampled :
BFB

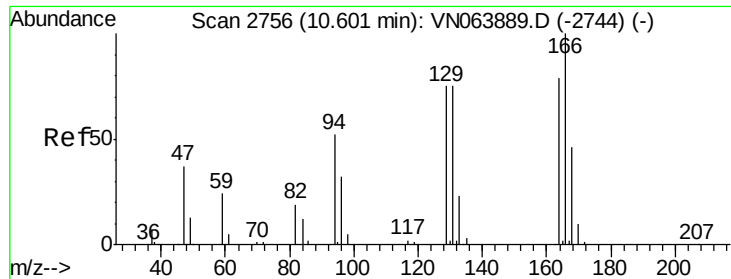
Tot Ion: 43 Resp: 384018
Ion Ratio Lower Upper
43 100
58 48.1 42.6 64.0
57 18.0 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.085 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 95 Resp: 136277
Ion Ratio Lower Upper
95 100
174 74.5 70.1 105.1
176 69.9 66.8 100.2

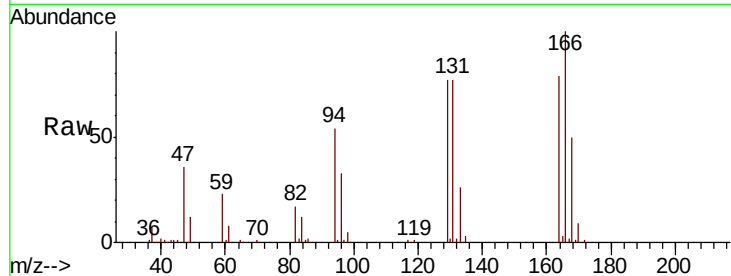




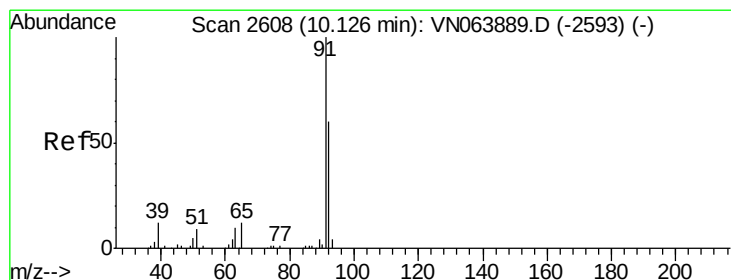
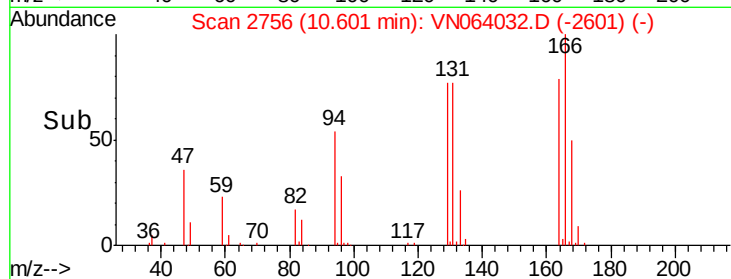
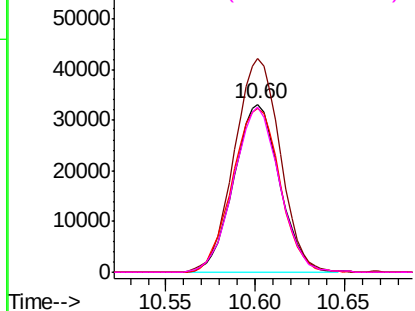
#61
Tetrachloroethene
Concen: 16.982 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:164 Resp: 59028
Ion Ratio Lower Upper
164 100
166 126.5 100.1 150.1
129 97.8 72.5 108.7
131 97.9 68.4 102.6

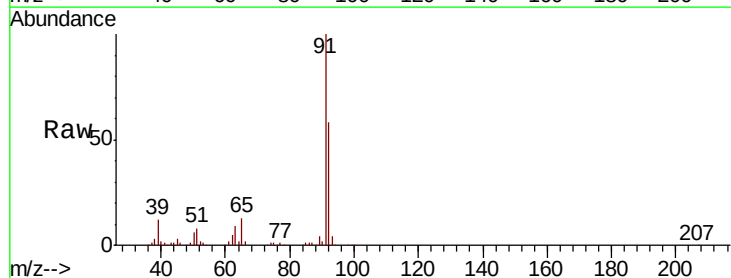


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

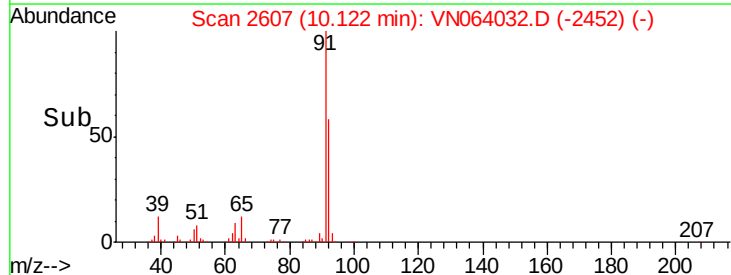
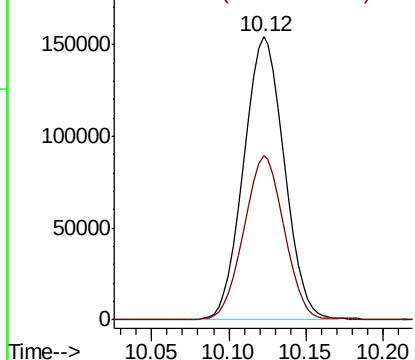


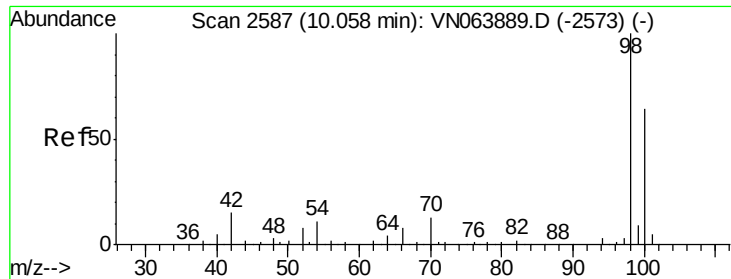
#62
Toluene
Concen: 17.944 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 91 Resp: 282353
Ion Ratio Lower Upper
91 100
92 57.9 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0

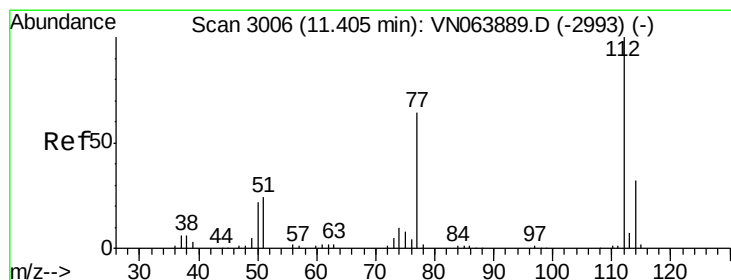
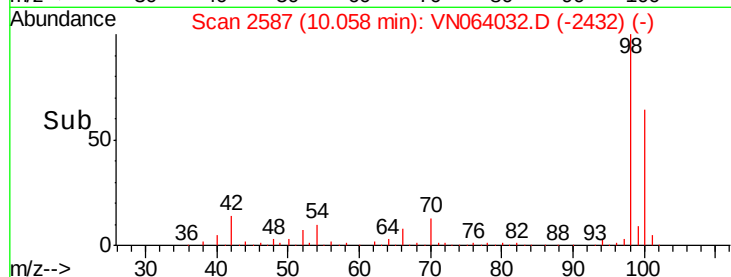
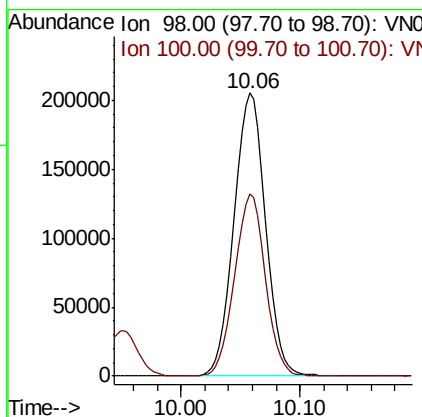
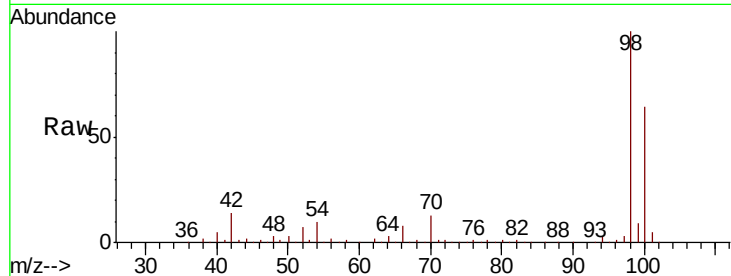




#63
Toluene-d8
Concen: 30.374 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

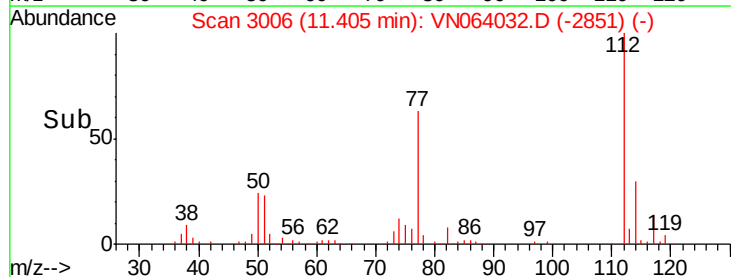
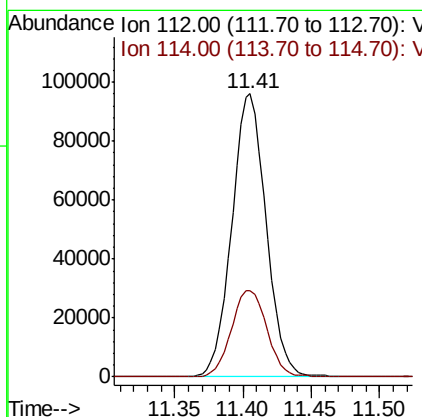
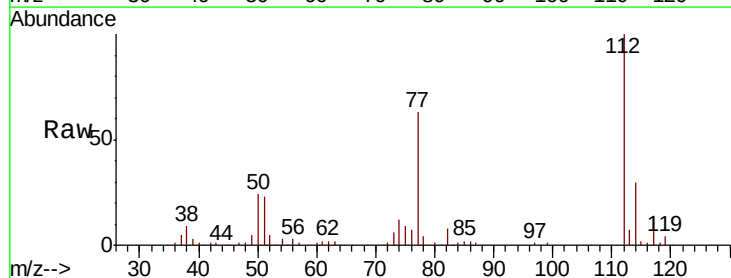
Instrument :
MSVOA_N
ClientSampled :
BFB

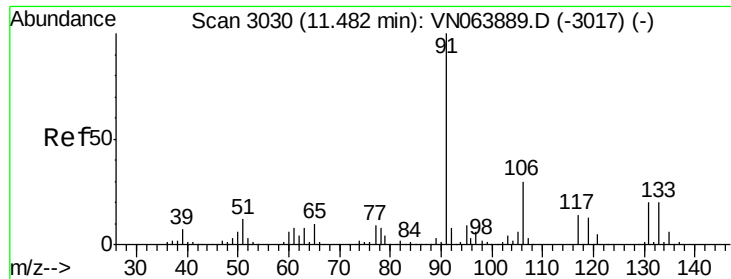
Tot Ion: 98 Resp: 377144
Ion Ratio Lower Upper
98 100
100 62.5 51.4 77.2



#64
Chlorobenzene
Concen: 17.569 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion: 112 Resp: 167558
Ion Ratio Lower Upper
112 100
114 30.5 25.1 37.7

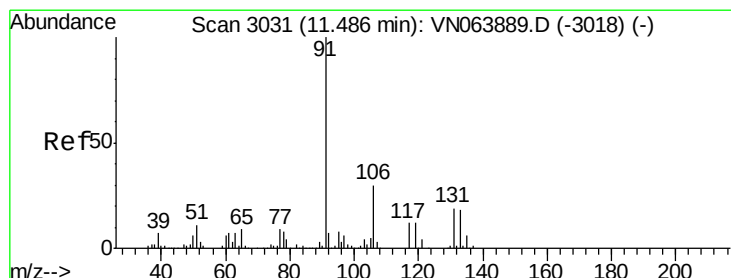
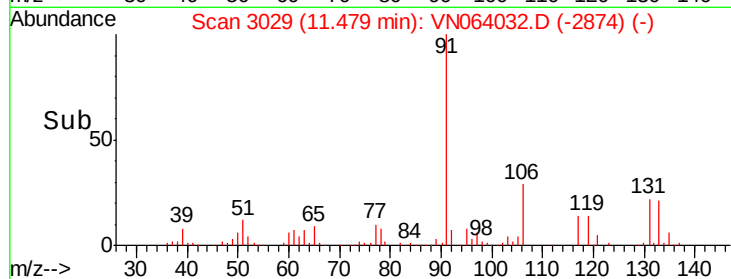
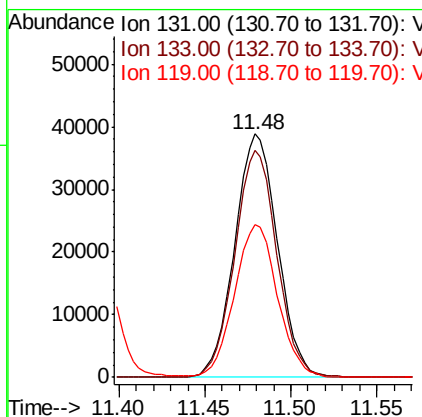
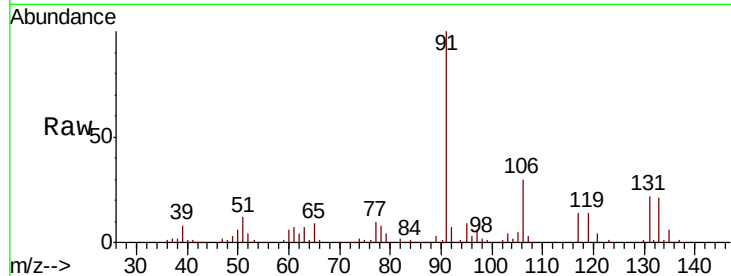




#65
 1,1,1,2-Tetrachloroethane
 Concen: 17.964 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

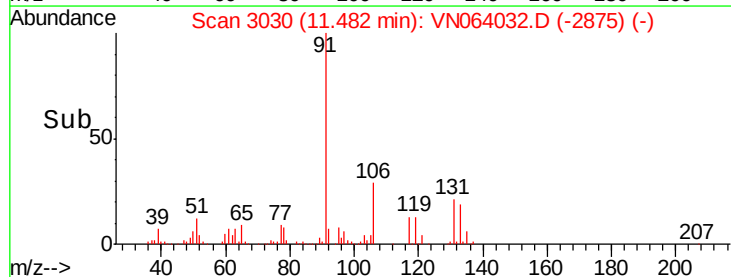
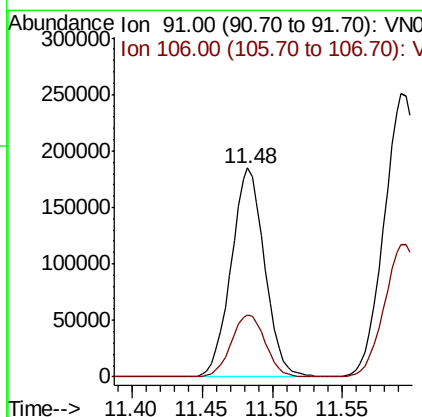
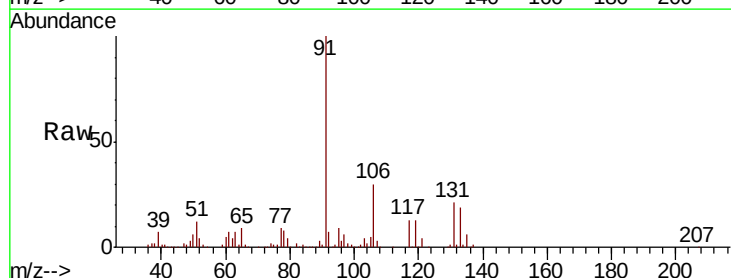
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

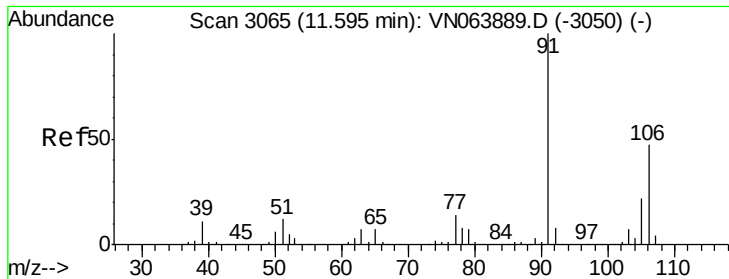
Tot Ion:131 Resp: 67010
 Ion Ratio Lower Upper
 131 100
 133 91.9 0.0 191.2
 119 62.9 0.0 134.2



#66
 Ethyl Benzene
 Concen: 17.763 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion: 91 Resp: 306937
 Ion Ratio Lower Upper
 91 100
 106 29.8 25.0 37.4

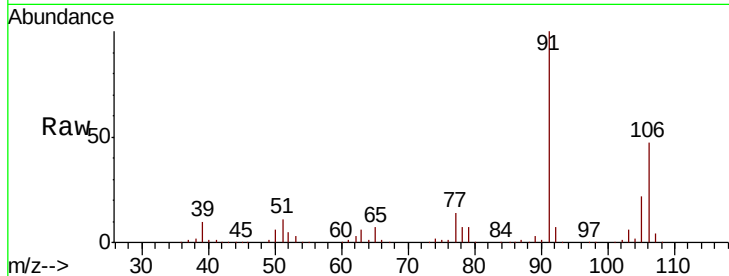




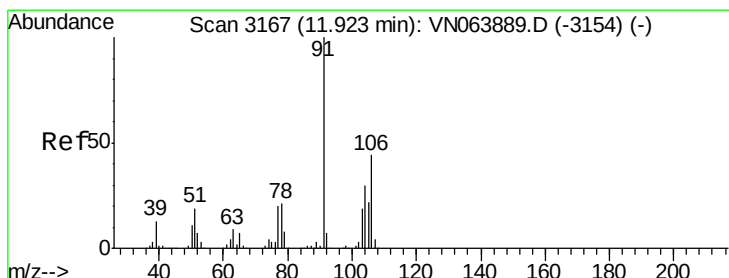
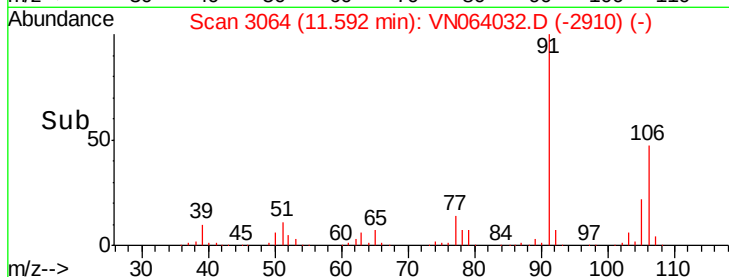
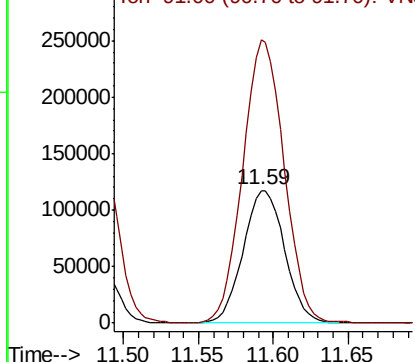
#67
m/p-Xylenes
Concen: 35.175 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:106 Resp: 226030
Ion Ratio Lower Upper
106 100
91 212.4 164.9 247.3

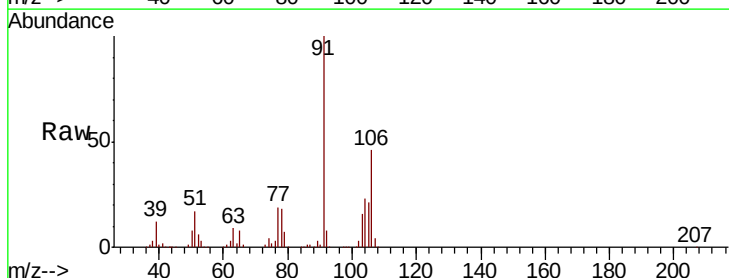


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

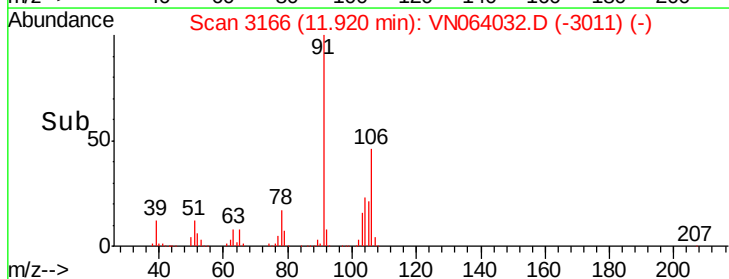
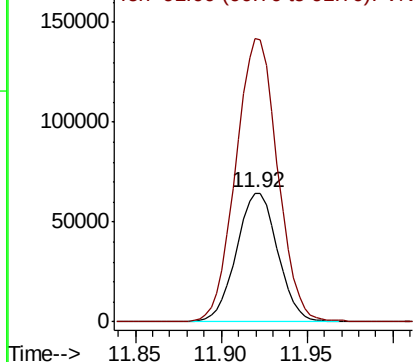


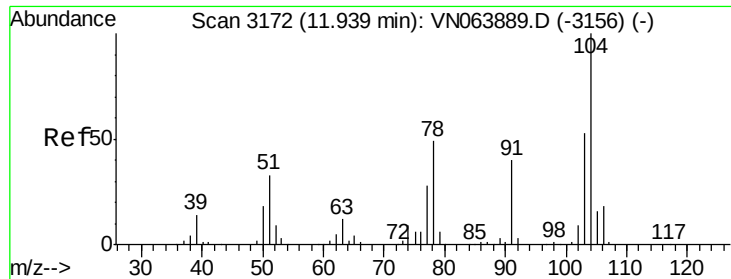
#68
o-Xylene
Concen: 17.580 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion:106 Resp: 107629
Ion Ratio Lower Upper
106 100
91 222.5 108.0 324.0



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

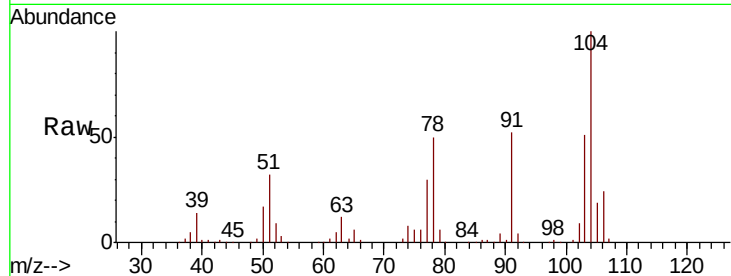




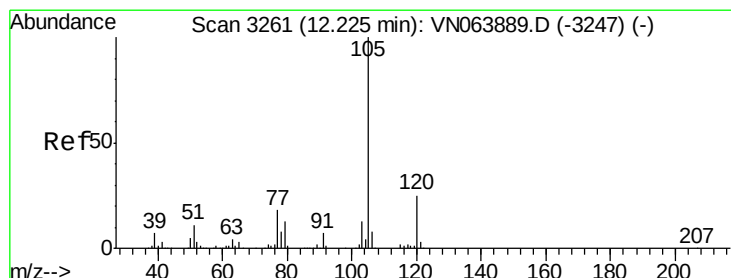
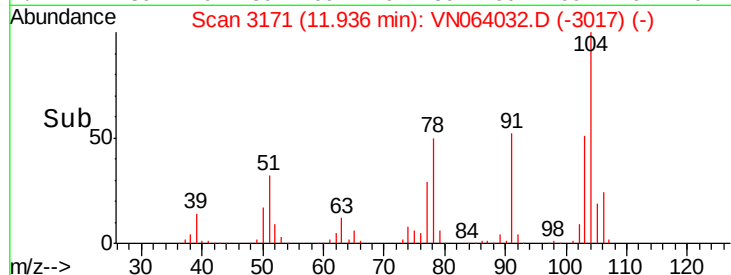
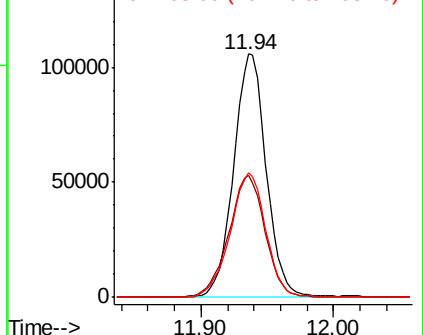
#69
Stvrene
Concen: 17.308 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion:104 Resp: 180798
Ion Ratio Lower Upper
104 100
78 55.9 39.6 59.4
103 55.9 44.4 66.6

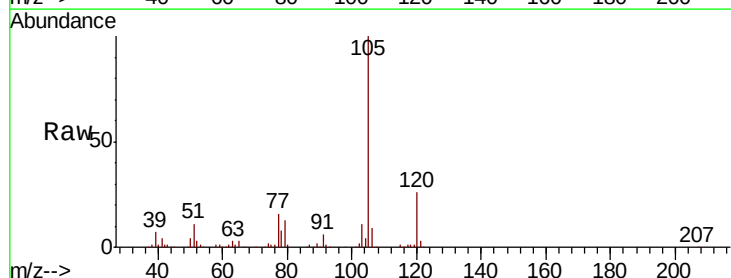


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

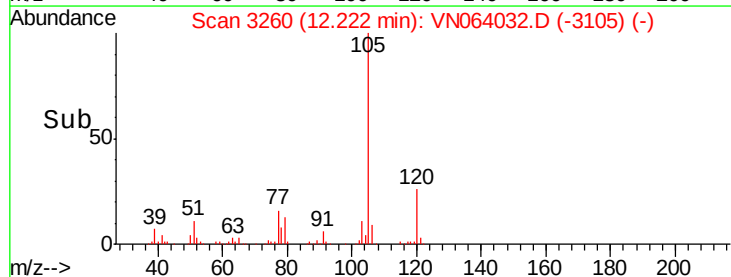
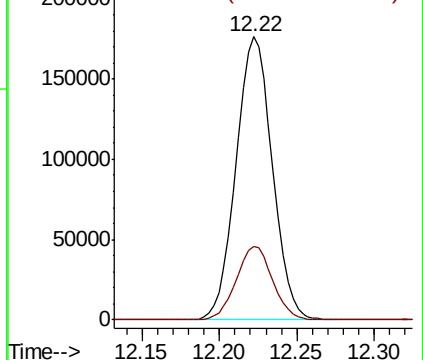


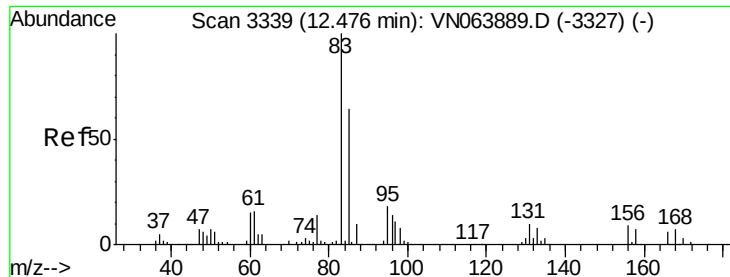
#70
Isopropylbenzene
Concen: 17.655 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion:105 Resp: 287202
Ion Ratio Lower Upper
105 100
120 26.0 18.5 34.3



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





#71

1,1,2,2-Tetrachloroethane

Concen: 17.498 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

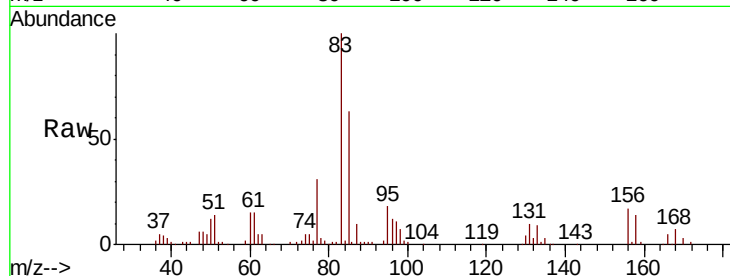
Tot Ion: 83 Resp: 89980

Ion Ratio Lower Upper

83 100

131 9.9 4.5 13.7

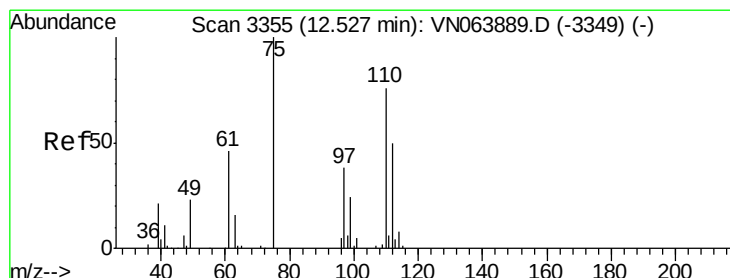
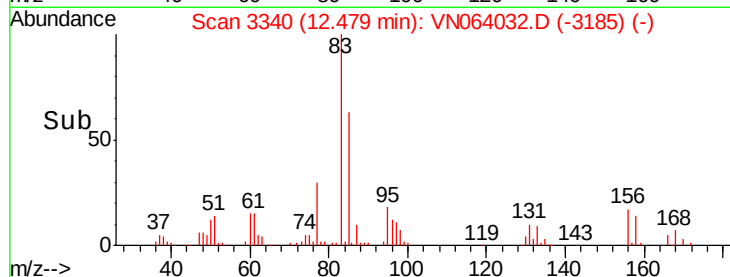
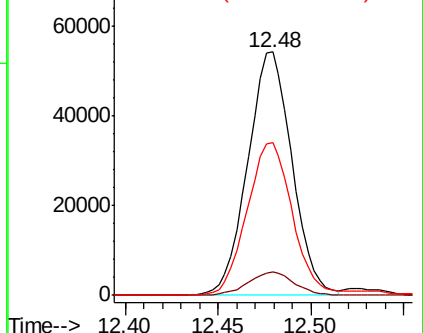
85 64.6 31.8 95.3



Abundance Ion 83.00 (82.70 to 83.70): VN064032.D (-3185) (-)

Ion 131.00 (130.70 to 131.70): VN064032.D (-3185) (-)

Ion 85.00 (84.70 to 85.70): VN064032.D (-3185) (-)



#72

1,2,3-Trichloropropane

Concen: 23.409 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064032.D

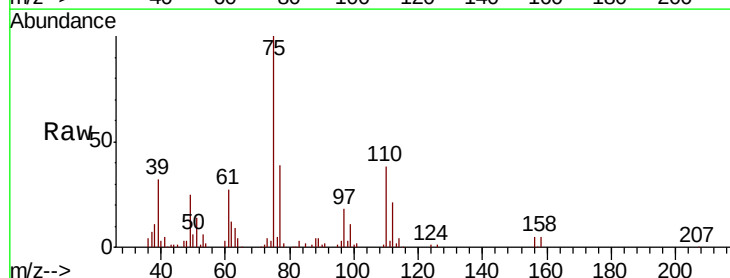
Acq: 9 Oct 2020 12:14

Tgt Ion: 75 Resp: 122745

Ion Ratio Lower Upper

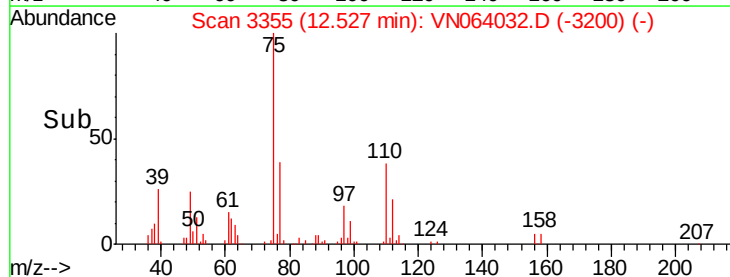
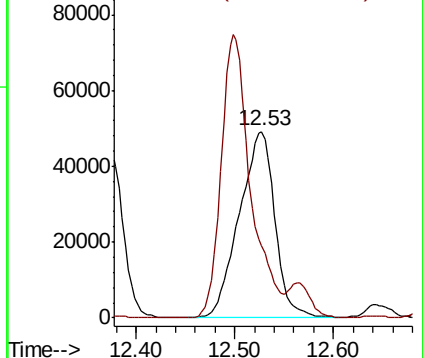
75 100

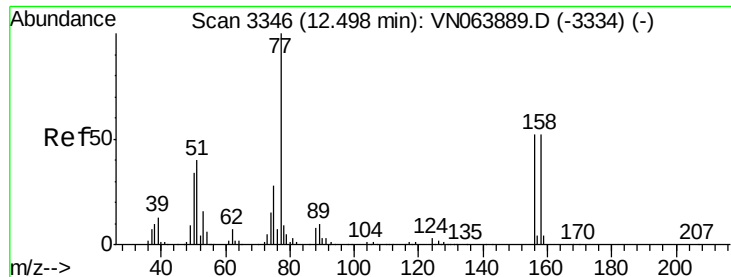
77 128.1 0.0 387.8



Abundance Ion 75.00 (74.70 to 75.70): VN064032.D (-3200) (-)

Ion 77.00 (76.70 to 77.70): VN064032.D (-3200) (-)





#73

Bromobenzene

Concen: 17.005 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

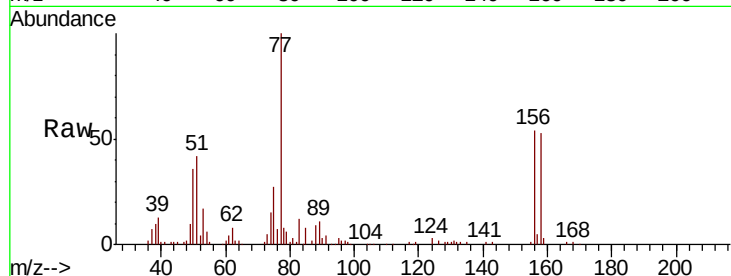
Tot Ion:156 Resp: 70114

Ion Ratio Lower Upper

156 100

77 224.3 0.0 398.6

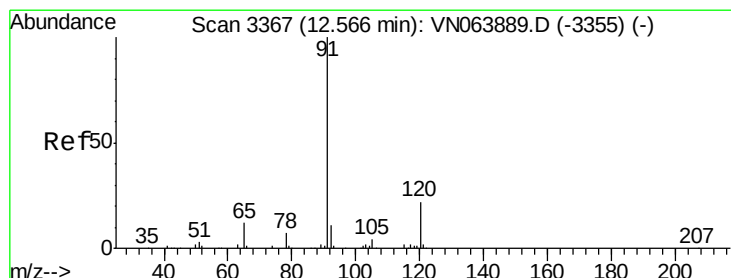
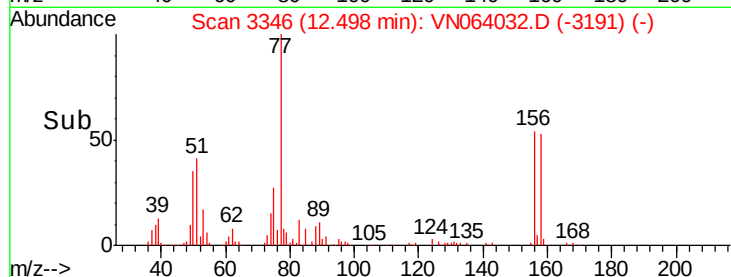
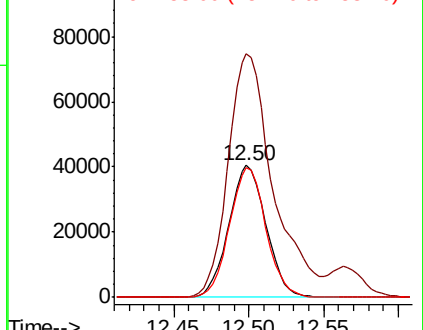
158 96.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.516 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064032.D

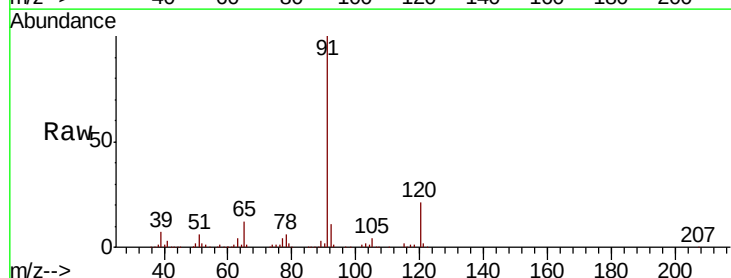
Acq: 9 Oct 2020 12:14

Tgt Ion: 91 Resp: 333111

Ion Ratio Lower Upper

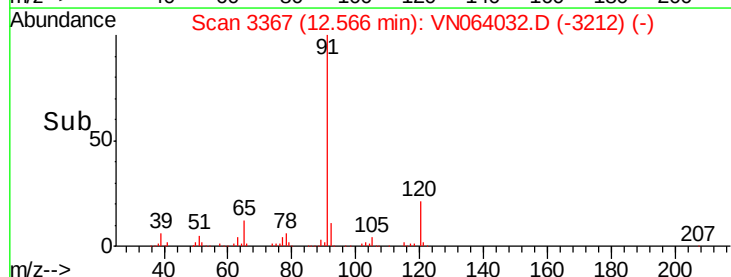
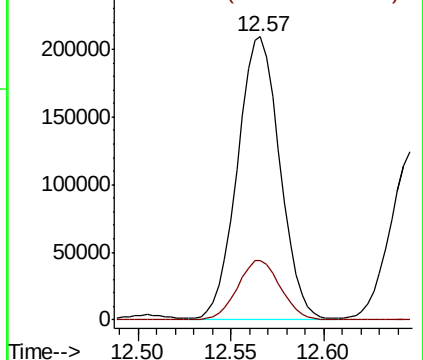
91 100

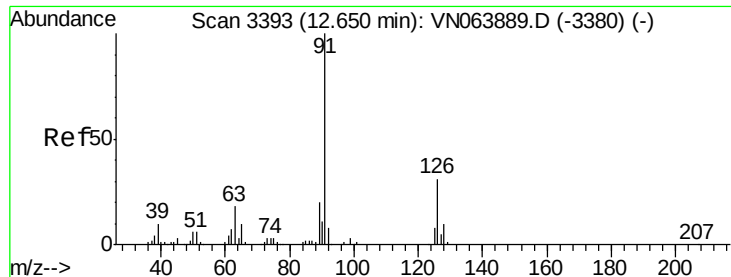
120 21.2 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.712 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

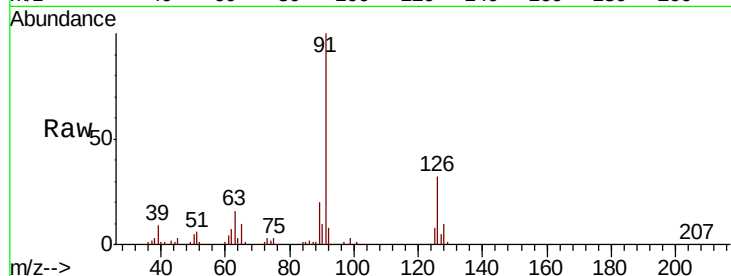
BFB

Tot Ion: 91 Resp: 205460

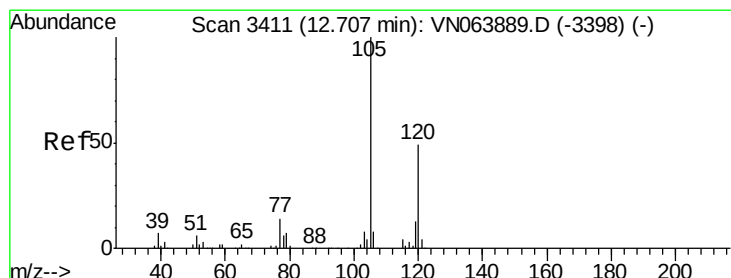
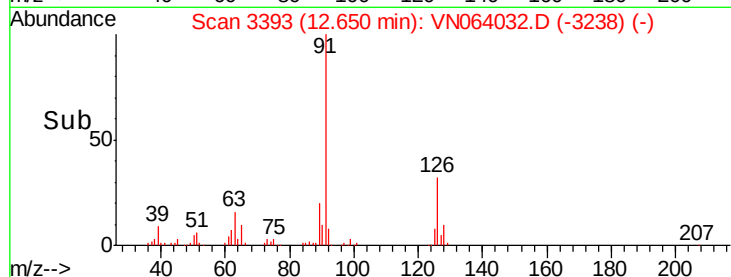
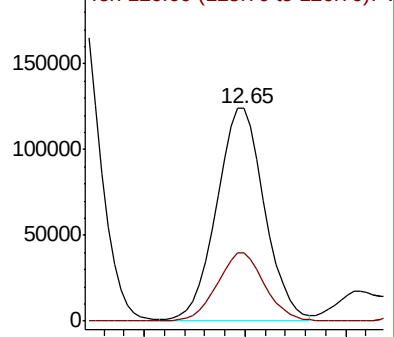
Ion Ratio Lower Upper

91 100

126 31.8 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN064032.D (-3238) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.608 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064032.D

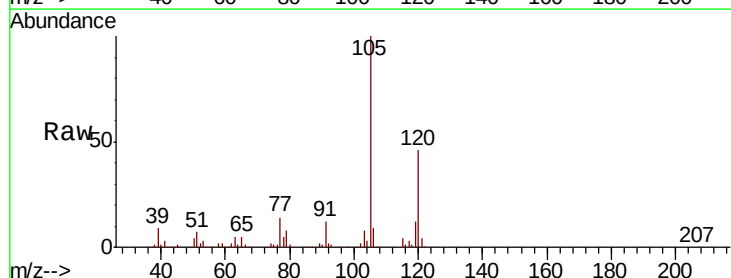
Acq: 9 Oct 2020 12:14

Tgt Ion: 105 Resp: 241550

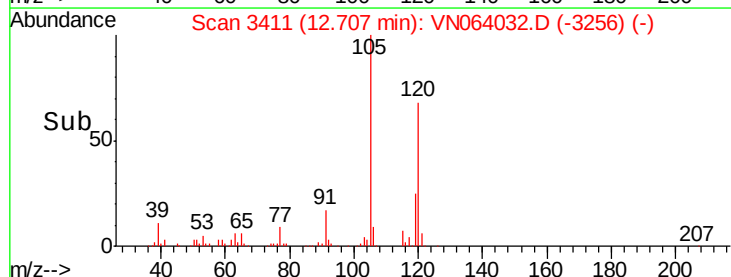
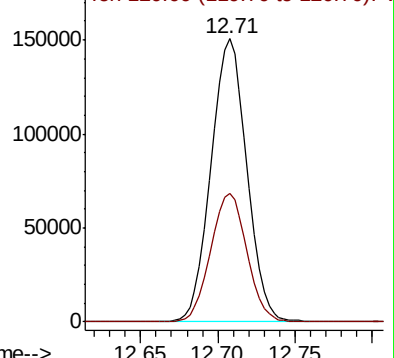
Ion Ratio Lower Upper

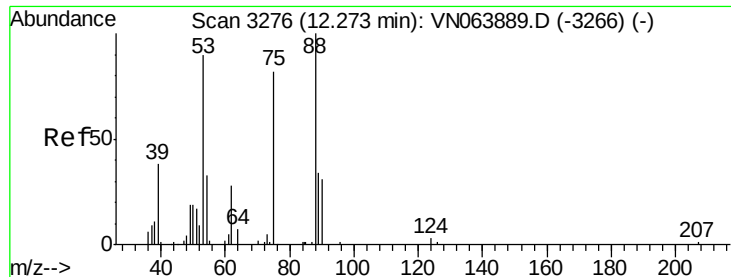
105 100

120 46.2 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064032.D (-3256) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.270 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

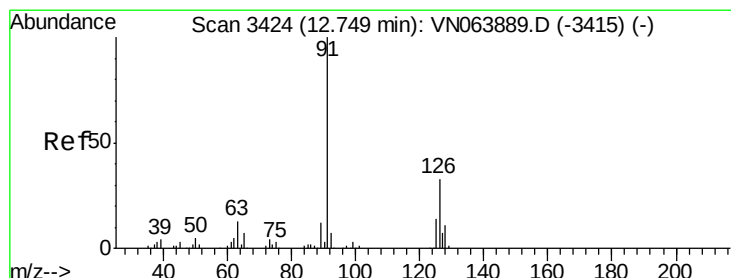
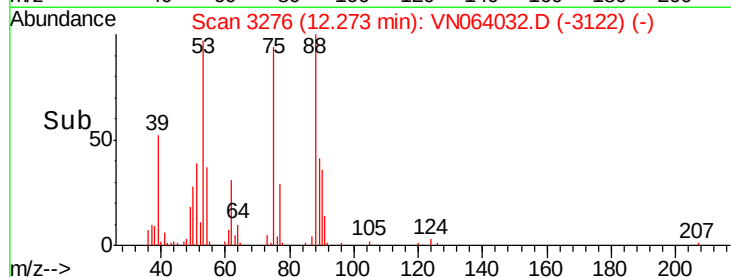
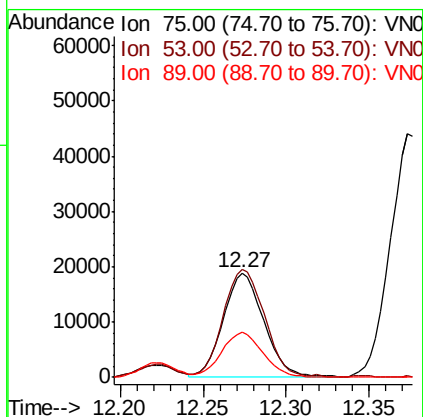
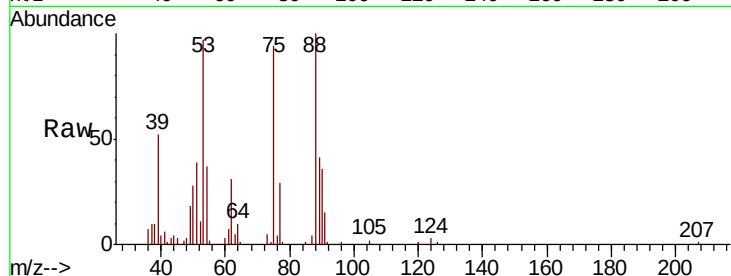
Tot Ion: 75 Resp: 32209

Ion Ratio Lower Upper

75 100

53 103.7 47.0 141.0

89 43.3 22.9 68.7



#78

4-Chlorotoluene

Concen: 17.478 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064032.D

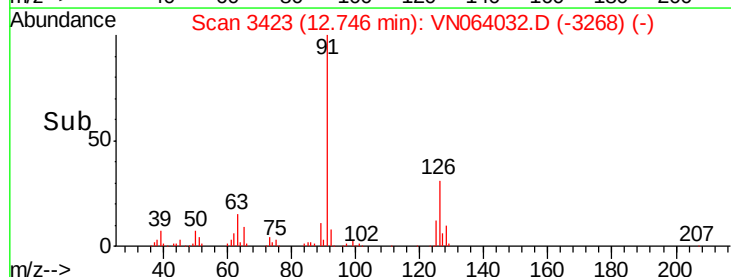
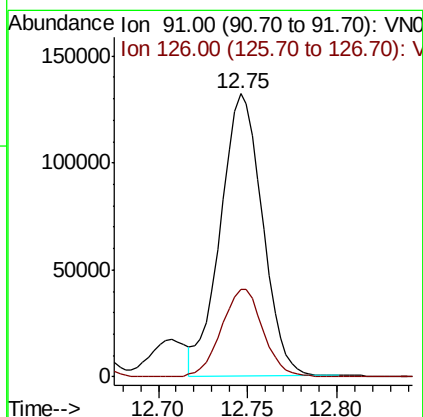
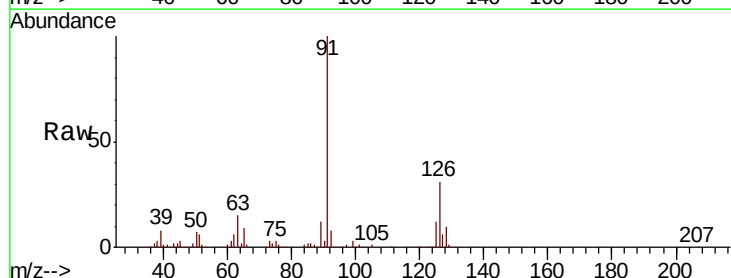
Acq: 9 Oct 2020 12:14

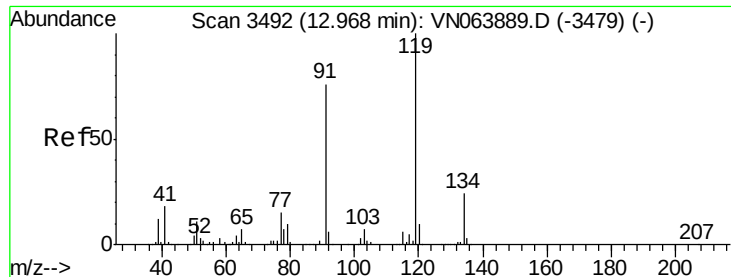
Tgt Ion: 91 Resp: 214694

Ion Ratio Lower Upper

91 100

126 31.1 0.0 65.0

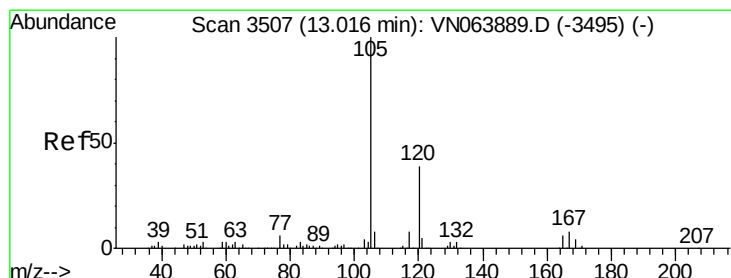
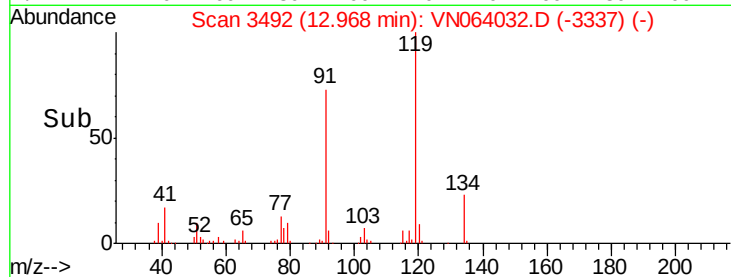
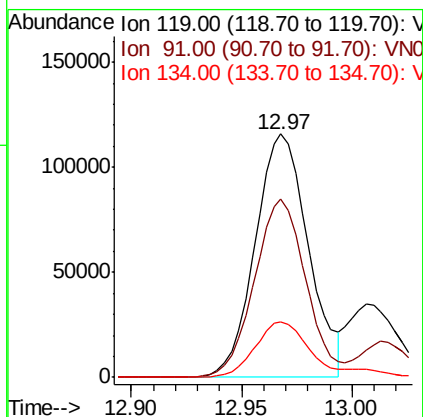
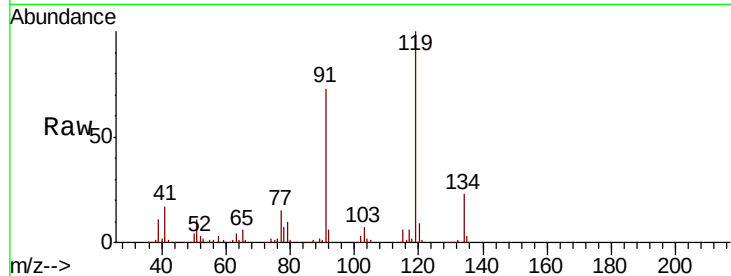




#79
tert-butylbenzene
Concen: 17.592 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

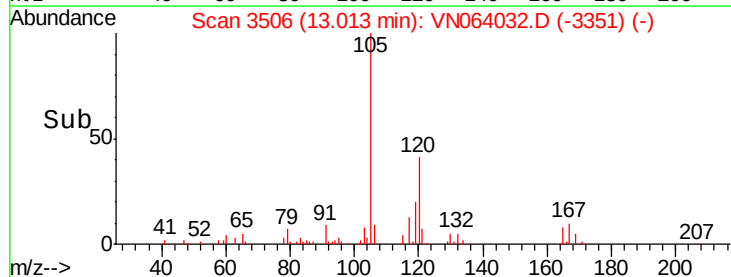
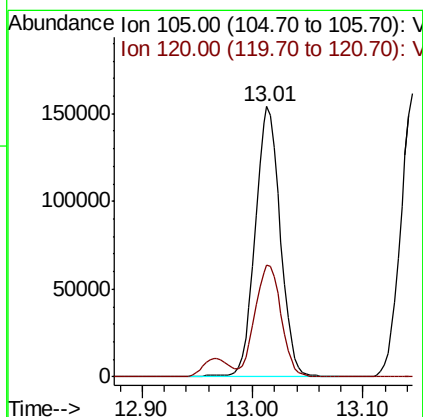
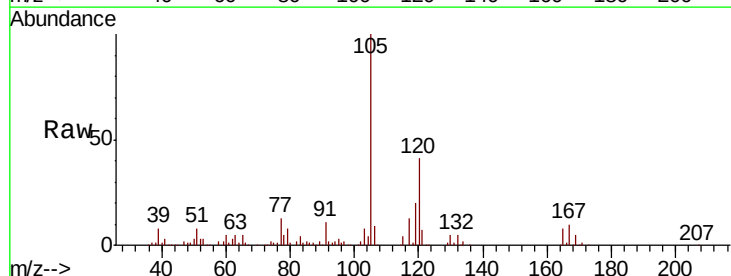
Instrument :
MSVOA_N
ClientSampled :
BFB

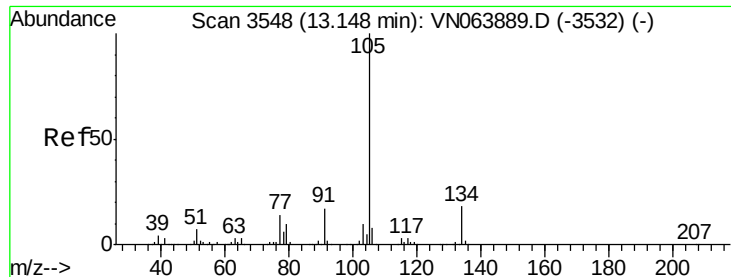
Tot Ion:119 Resp: 193337
Ion Ratio Lower Upper
119 100
91 70.9 0.0 136.8
134 22.9 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 17.659 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064032.D
Acq: 9 Oct 2020 12:14

Tgt Ion:105 Resp: 242854
Ion Ratio Lower Upper
105 100
120 43.6 0.0 90.4

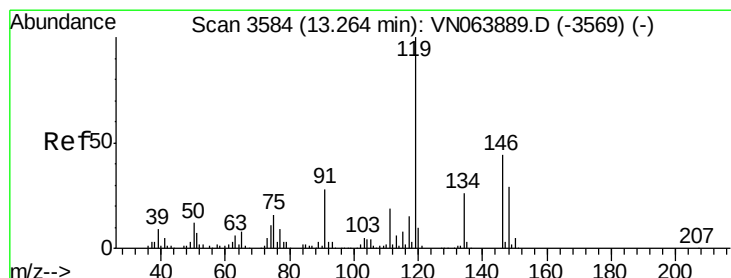
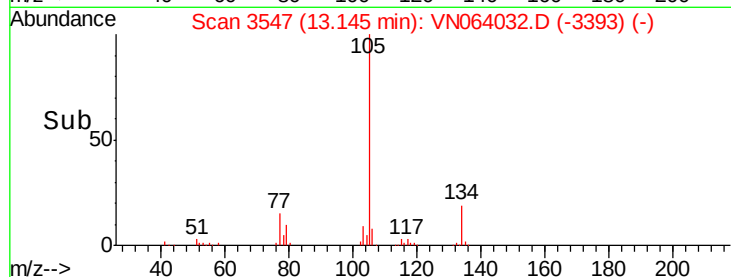
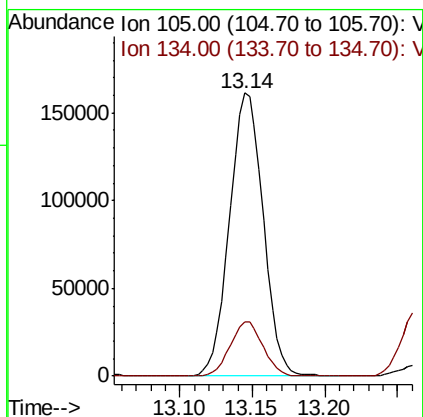
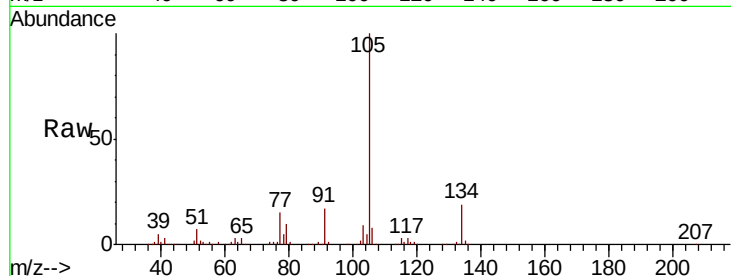




#81
 sec-Butylbenzene
 Concen: 18.038 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

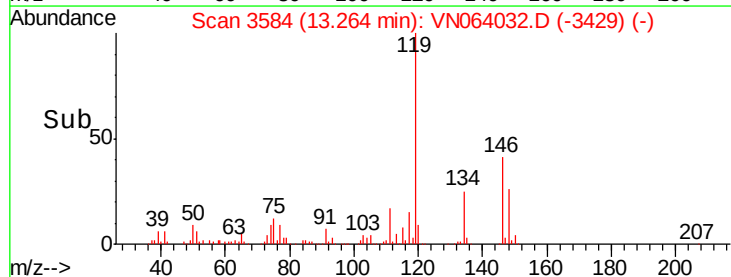
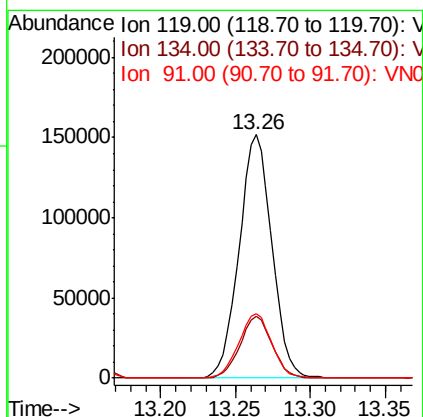
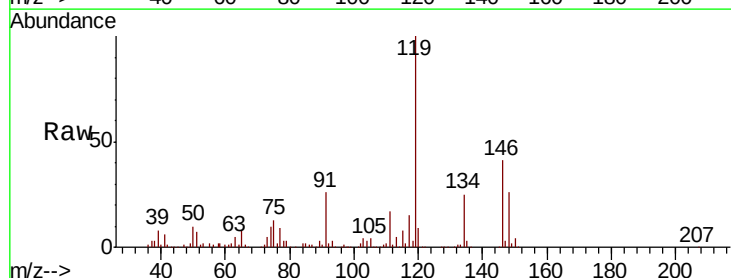
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

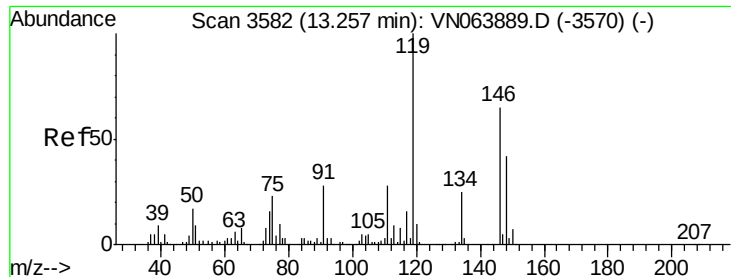
Tot Ion:105 Resp: 260573
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 17.678 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion:119 Resp: 230805
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 52.2
 91 26.7 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 16.866 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

BFB

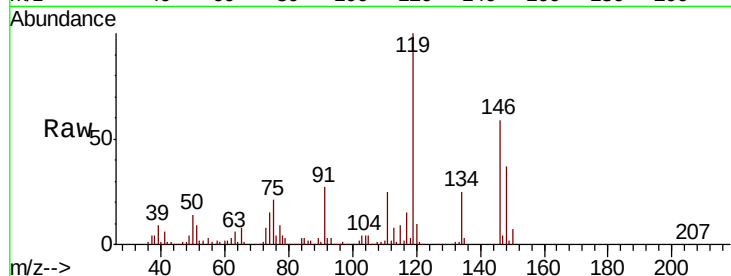
Tot Ion:146 Resp: 123677

Ion Ratio Lower Upper

146 100

111 42.8 19.4 58.1

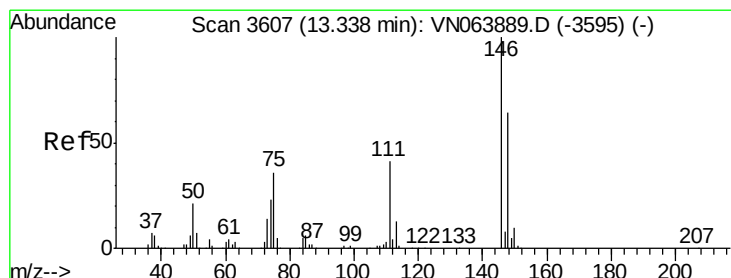
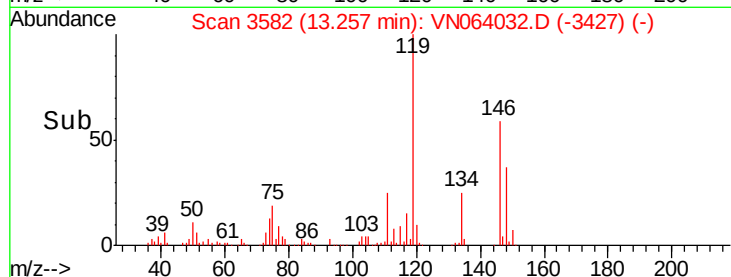
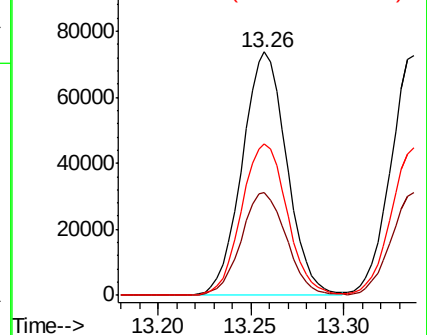
148 63.6 31.5 94.5



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: 16.752 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

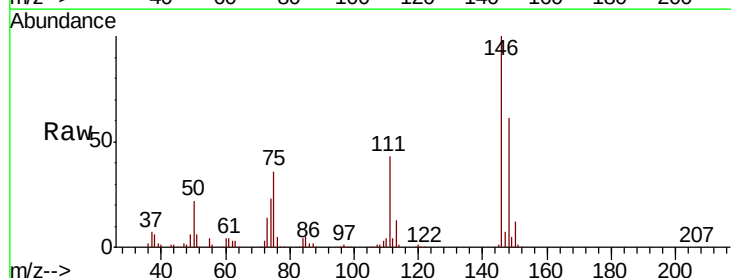
Tgt Ion:146 Resp: 122031

Ion Ratio Lower Upper

146 100

111 42.1 18.6 55.8

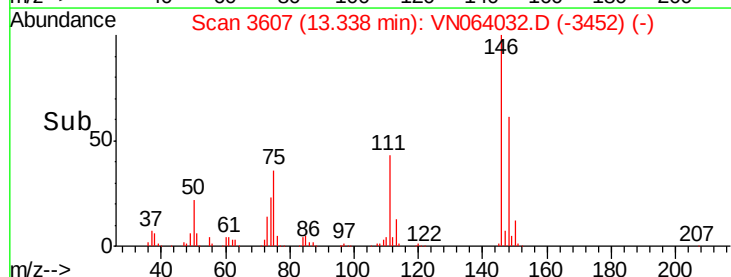
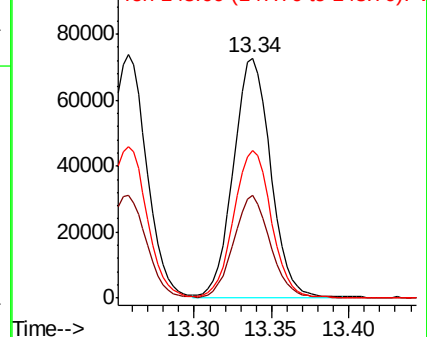
148 60.6 31.6 94.8

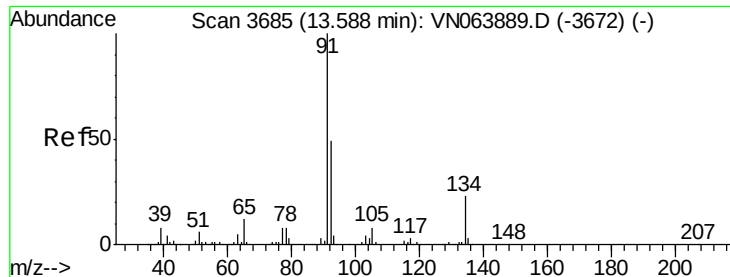


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.176 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

BFB

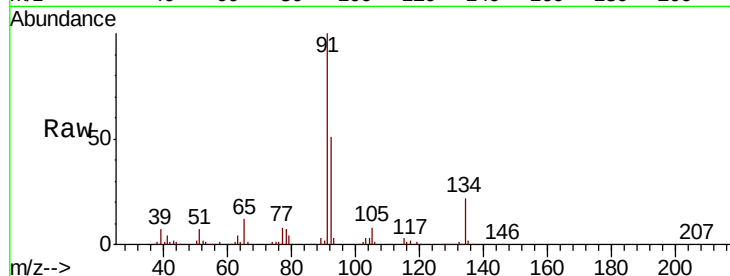
Tot Ion: 91 Resp: 196199

Ion Ratio Lower Upper

91 100

92 51.0 0.0 100.6

134 23.3 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063889.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063889.D (-3672) (-)

13.59

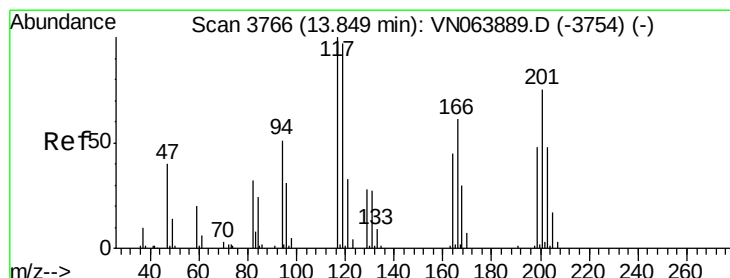
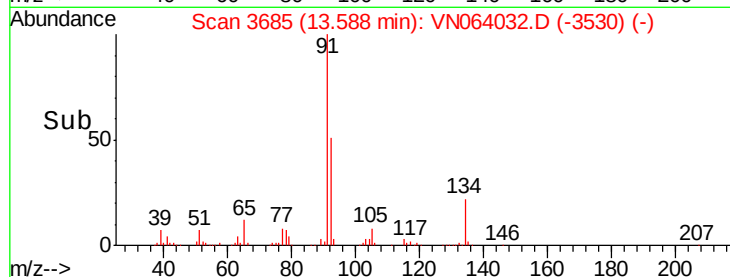
150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 17.754 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN064032.D

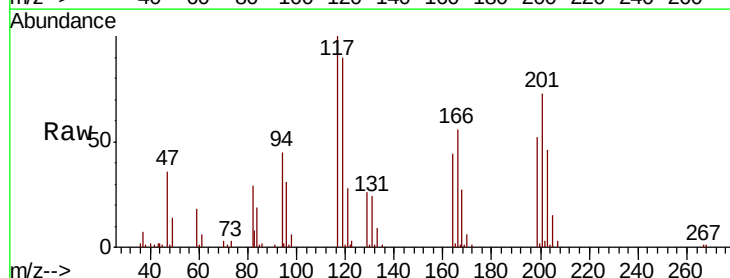
Acq: 9 Oct 2020 12:14

Tgt Ion: 117 Resp: 39949

Ion Ratio Lower Upper

117 100

201 73.1 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN063889.D (-3754) (-)

13.85

25000

20000

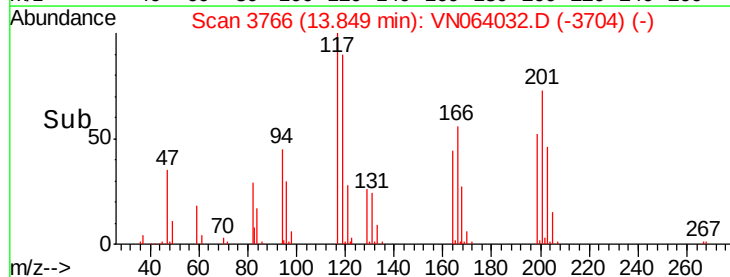
15000

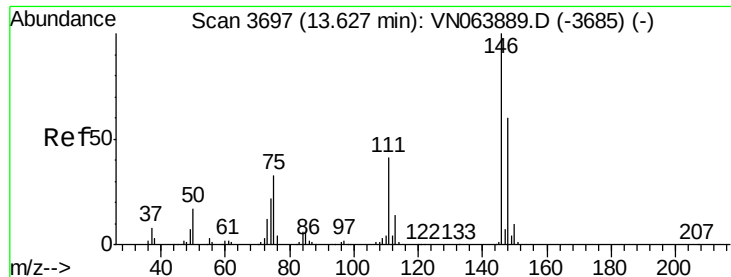
10000

5000

0

Time--> 13.80 13.85 13.90

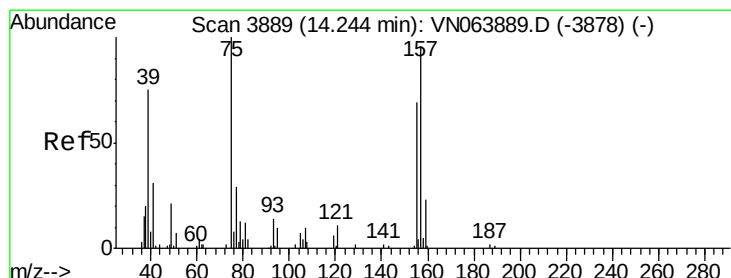
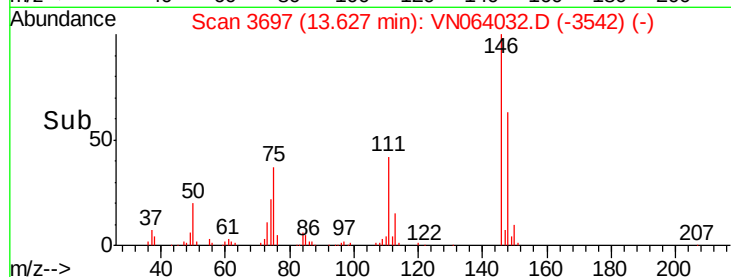
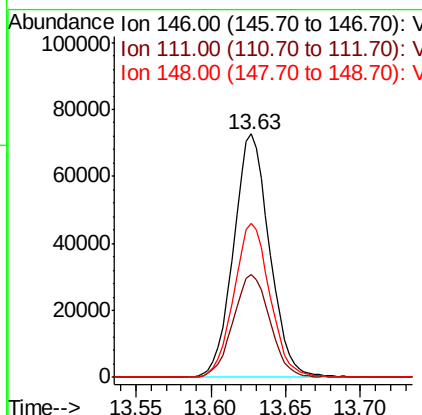
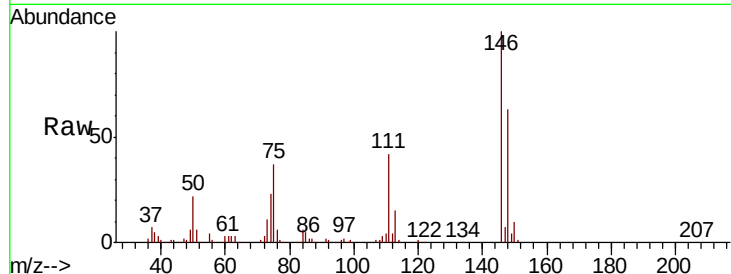




#87
 1,2-Dichlorobenzene
 Concen: 16.915 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

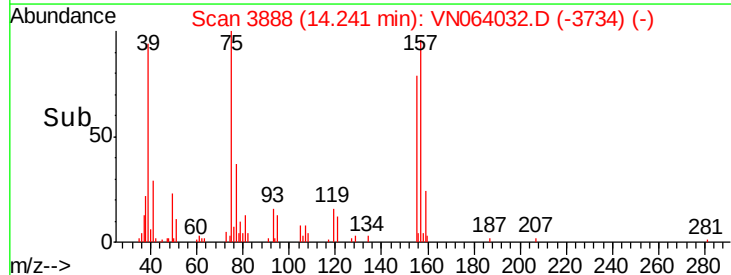
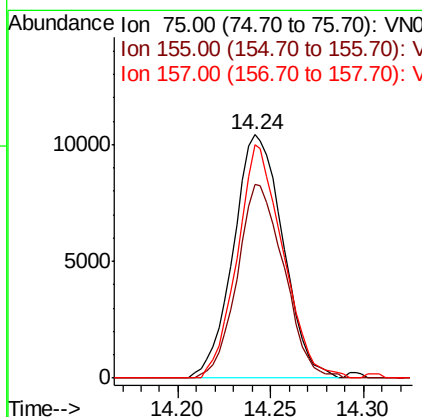
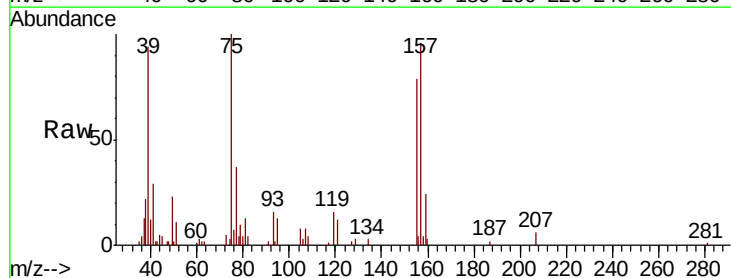
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

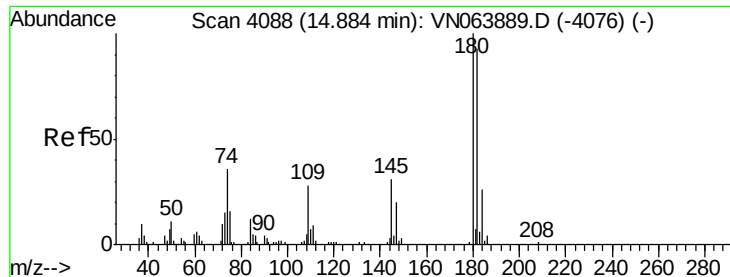
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.3
148	63.5	31.8	95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.722 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	64.8	97.2
157	88.4	81.2	121.8

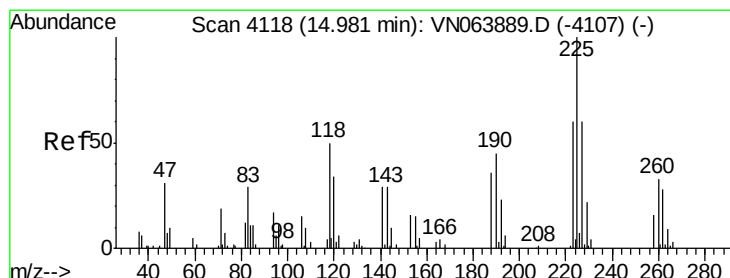
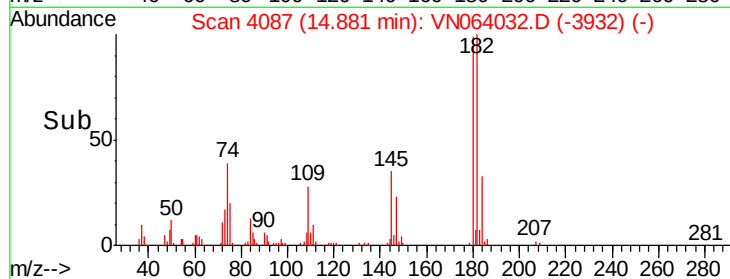
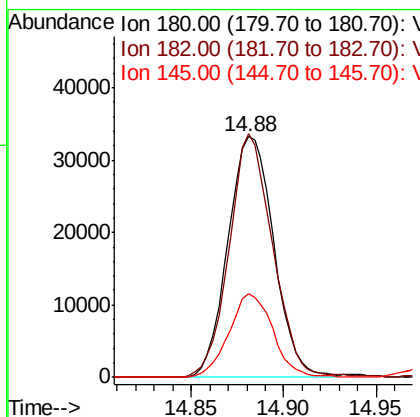
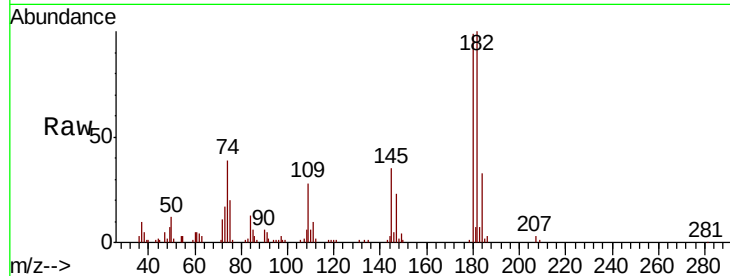




#89
 1,2,4-Trichlorobenzene
 Concen: 15.610 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

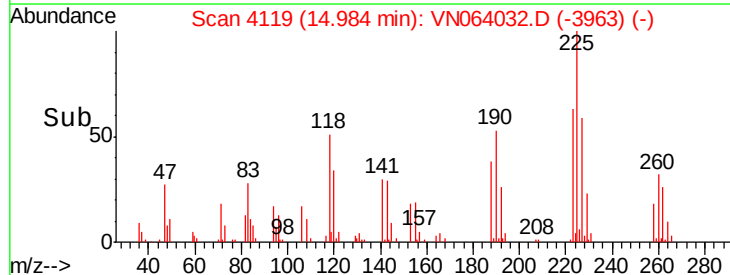
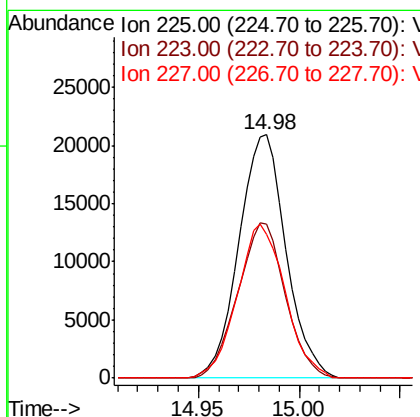
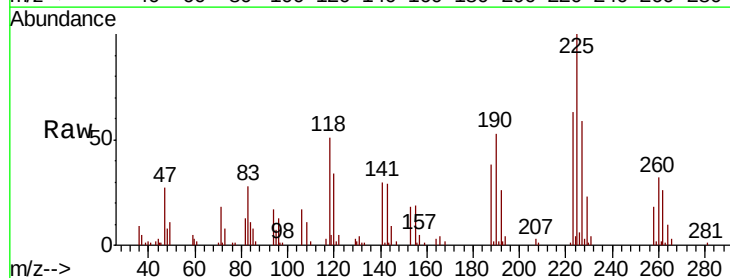
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

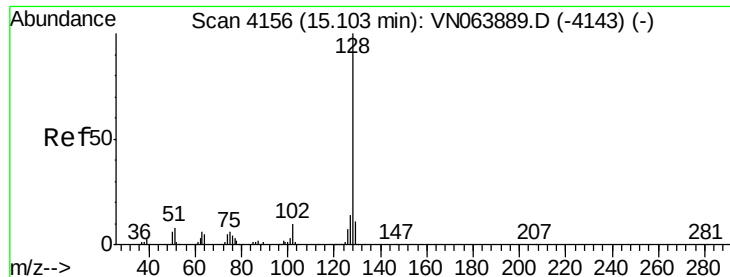
Tot Ion:180 Resp: 57095
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 145 33.2 21.9 32.9#



#90
 Hexachlorobutadiene
 Concen: 17.682 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064032.D
 Acq: 9 Oct 2020 12:14

Tgt Ion:225 Resp: 34255
 Ion Ratio Lower Upper
 225 100
 223 64.3 0.0 122.8
 227 64.1 0.0 125.6





#91

Naphthalene

Concen: 15.430 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

BFB

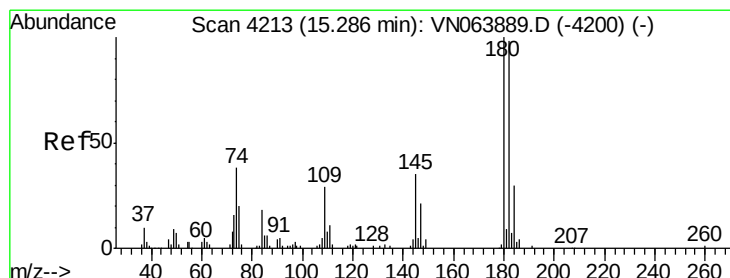
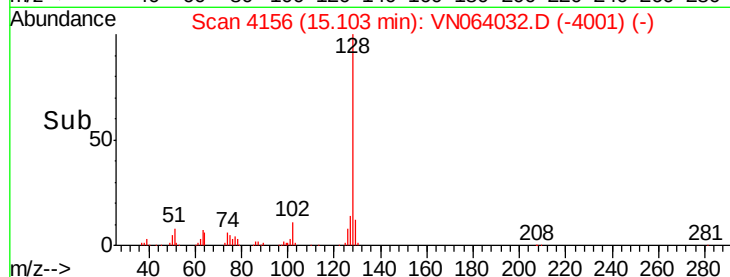
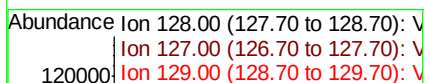
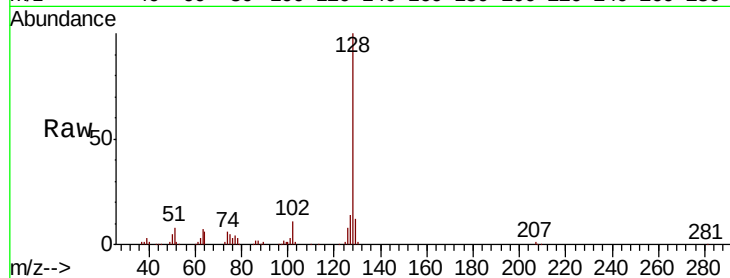
Tot Ion:128 Resp: 172649

Ion Ratio Lower Upper

128 100

127 13.4 11.1 16.7

129 11.0 8.4 12.6



#92

1,2,3-Trichlorobenzene

Concen: 16.189 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064032.D

Acq: 9 Oct 2020 12:14

Tgt Ion:180 Resp: 57673

Ion Ratio Lower Upper

180 100

182 97.8 0.0 188.0

145 34.2 0.0 62.0

