

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064365.D
 Acq On : 29 Oct 2020 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Oct 30 05:28:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	277819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	436566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	206079	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
35) Dibromofluoromethane	7.54	113	150692	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.06	98	539688	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.37	95	207267	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	164616	51.547	ug/l	99
3) Chloromethane	2.04	50	169970	49.236	ug/l	100
4) Vinyl Chloride	2.16	62	174097	52.138	ug/l	97
5) Bromomethane	2.53	94	101288	46.944	ug/l	96
6) Chloroethane	2.67	64	102798	51.521	ug/l	98
7) Trichlorofluoromethane	2.98	101	293080	52.392	ug/l	98
8) Diethyl Ether	3.37	74	92895	52.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	143595	51.073	ug/l	99
10) Methyl Iodide	3.91	142	166334	44.333	ug/l	99
11) Tert butyl alcohol	4.73	59	140946	217.477	ug/l	99
12) 1,1-Dichloroethene	3.70	96	136249	51.333	ug/l	93
13) Acrolein	3.56	56	32728	233.928	ug/l	97
14) Allyl chloride	4.27	41	278547	51.396	ug/l	98
15) Acrylonitrile	4.93	53	360842	258.907	ug/l	99
16) Acetone	3.77	43	427693	281.933	ug/l	98
17) Carbon Disulfide	4.01	76	396718	50.518	ug/l	98
18) Methyl Acetate	4.27	43	159834	47.658	ug/l	96
19) Methyl tert-butyl Ether	4.98	73	536688	52.626	ug/l	97
20) Methylene Chloride	4.50	84	162899	51.449	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	154940	52.328	ug/l	95
22) Diisopropyl ether	5.90	45	565746	53.406	ug/l	96
23) Vinyl Acetate	5.84	43	2440026	272.258	ug/l	100
24) 1,1-Dichloroethane	5.79	63	301751	50.905	ug/l	99
25) 2-Butanone	6.78	43	558257	249.039	ug/l	97
26) 2,2-Dichloropropane	6.77	77	302326	52.113	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	182312	53.802	ug/l	100
28) Bromochloromethane	7.15	49	135061	47.823	ug/l	96
29) Tetrahydrofuran	7.16	42	349910	240.445	ug/l	100
30) Chloroform	7.33	83	328549	51.927	ug/l	99
31) Cyclohexane	7.61	56	215730	41.635	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	307357	50.588	ug/l	99
36) 1,1-Dichloropropene	7.75	75	237185	53.833	ug/l	99
37) Ethyl Acetate	6.88	43	231123	51.932	ug/l	99
38) Carbon Tetrachloride	7.73	117	274016	53.645	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	176923	40.498	ug/l	99
40) Benzene	8.00	78	653726	53.304	ug/l	100
41) Methacrylonitrile	7.12	41	107995	48.884	ug/l	97
42) 1,2-Dichloroethane	8.08	62	284967	53.790	ug/l	100
43) Isopropyl Acetate	8.12	43	413936	54.410	ug/l	100
44) Trichloroethene	8.80	130	180492	56.180	ug/l	99
45) 1,2-Dichloropropane	9.08	63	175199	53.347	ug/l	99
46) Dibromomethane	9.17	93	126573	55.091	ug/l	97
47) Bromodichloromethane	9.37	83	268778	52.788	ug/l	98
48) Methyl methacrylate	9.16	41	206196	52.533	ug/l	98
49) 1,4-Dioxane	9.16	88	52014	899.067	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1151042	260.285	ug/l	100
52) Toluene	10.12	92	413043	53.372	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	303941	56.456	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	308436	55.655	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	166829	54.612	ug/l	99
56) Ethyl methacrylate	10.40	69	258327	55.863	ug/l	99
57) 1,3-Dichloropropane	10.68	76	287008	55.078	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	584531	231.643	ug/l	98
59) 2-Hexanone	10.72	43	864167	265.328	ug/l	99
60) Dibromochloromethane	10.87	129	207580	57.472	ug/l	100
61) 1,2-Dibromoethane	10.97	107	174394	56.028	ug/l	97
64) Tetrachloroethene	10.60	164	156180	48.794	ug/l	99
65) Chlorobenzene	11.40	112	449850	56.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	179591	56.278	ug/l	99
67) Ethyl Benzene	11.48	91	790353	53.844	ug/l	98
68) m/p-Xylenes	11.59	106	587021	107.914	ug/l	98
69) o-Xylene	11.92	106	284506	54.288	ug/l	95
70) Styrene	11.94	104	493078	57.384	ug/l	99
71) Bromoform	12.10	173	141603	56.538	ug/l #	98
73) Isopropylbenzene	12.22	105	691323	54.005	ug/l	99
74) N-amyl acetate	12.04	43	360822	64.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221256	59.462	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	329478	80.498	ug/l #	100
77) Bromobenzene	12.50	156	191342	61.041	ug/l	97
78) n-propylbenzene	12.56	91	753525	51.993	ug/l	99
79) 2-Chlorotoluene	12.65	91	507247	54.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	555464	51.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	85965	60.499	ug/l	96
82) 4-Chlorotoluene	12.75	91	537213	56.921	ug/l	98
83) tert-Butylbenzene	12.97	119	425671	47.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	573032	52.945	ug/l	99
85) sec-Butylbenzene	13.14	105	534441	46.465	ug/l	99
86) p-Isopropyltoluene	13.26	119	498658	48.123	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	309006	56.310	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	314528	56.274	ug/l	99
89) n-Butylbenzene	13.59	91	425578	46.620	ug/l	98
90) Hexachloroethane	13.85	117	95042	48.837	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	307940	56.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50901	55.130	ug/l	91

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QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration

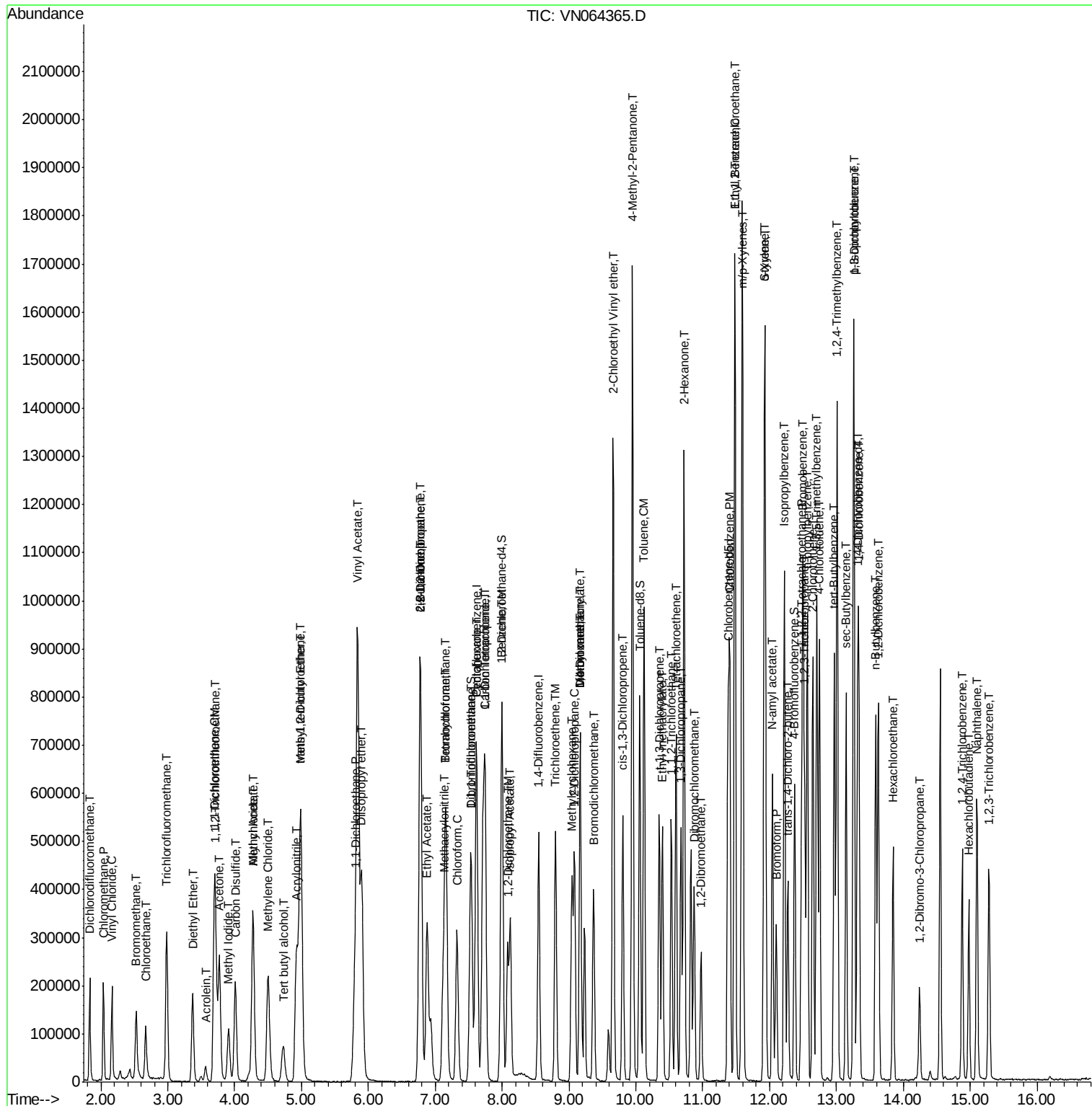
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	146371	46.815	ug/l	96
94) Hexachlorobutadiene	14.98	225	69931	41.769	ug/l	98
95) Naphthalene	15.10	128	482022	49.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	143483	47.583	ug/l	99

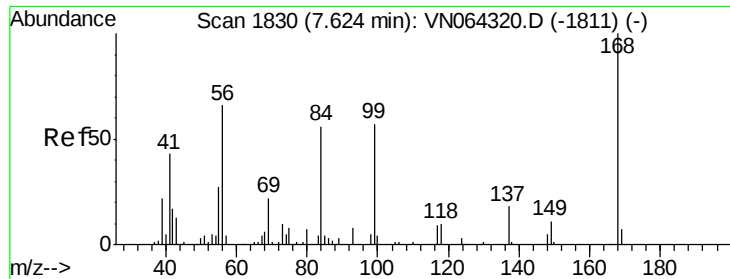
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

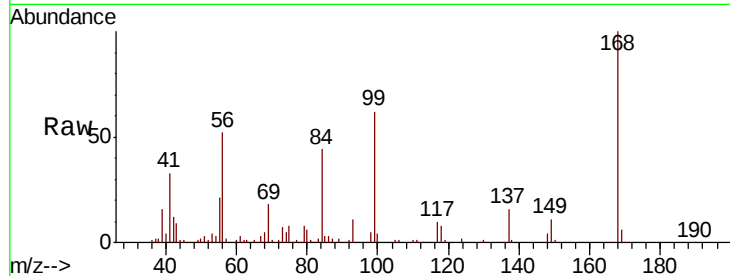
BFB

Tot Ion:168 Resp: 277819

Ion Ratio Lower Upper

168 100

99 61.4 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

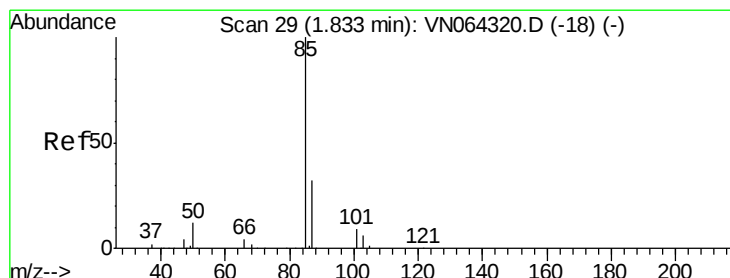
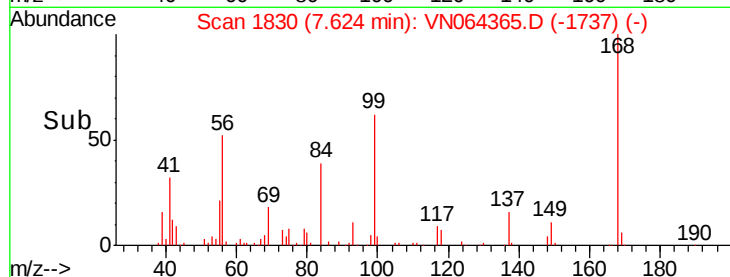
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 51.547 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064365.D

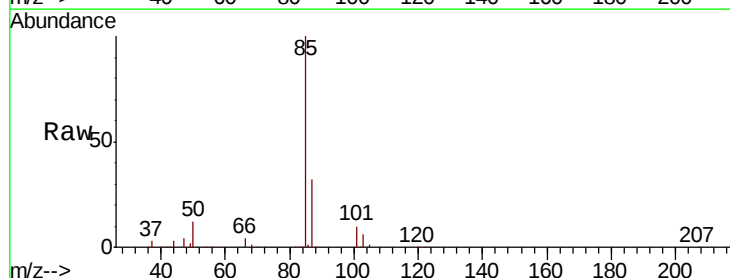
Acq: 29 Oct 2020 10:59

Tgt Ion: 85 Resp: 164616

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

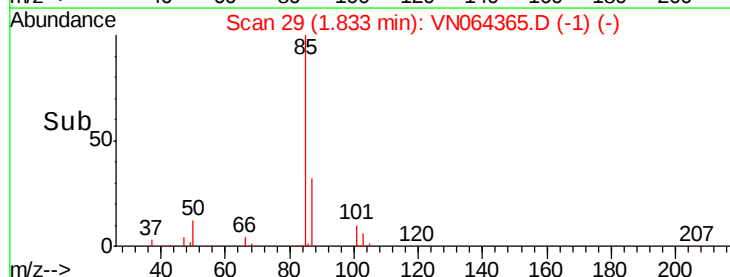
1.83

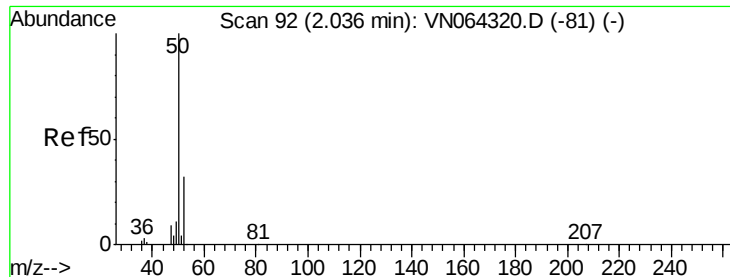
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 49.236 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

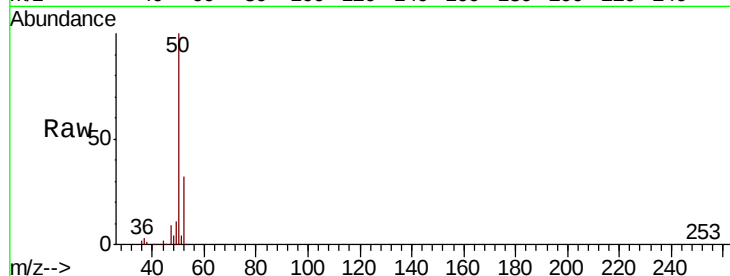
BFB

Tot Ion: 50 Resp: 169970

Ion Ratio Lower Upper

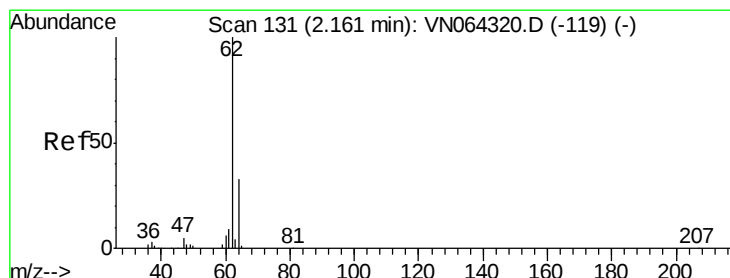
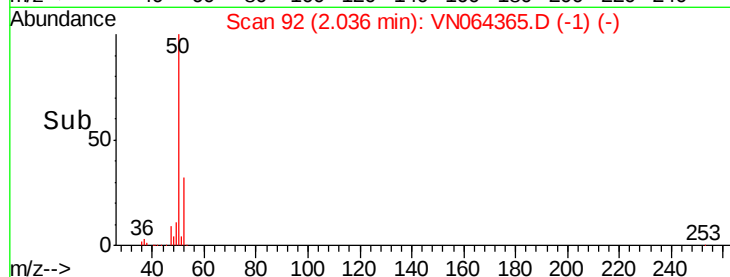
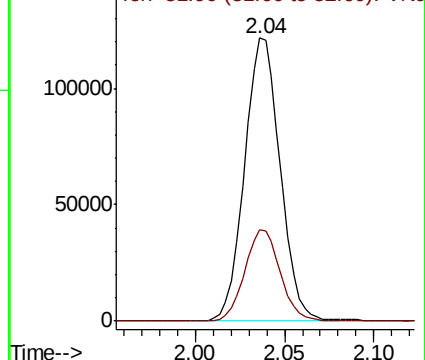
50 100

52 32.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 52.138 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064365.D

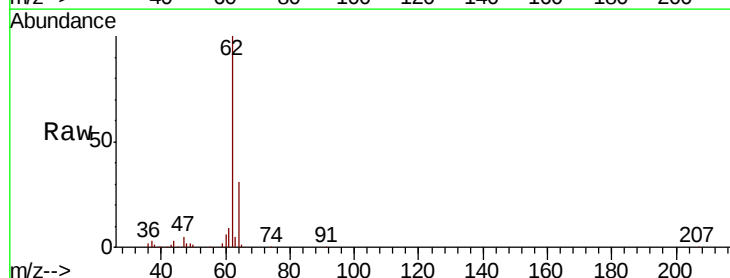
Acq: 29 Oct 2020 10:59

Tgt Ion: 62 Resp: 174097

Ion Ratio Lower Upper

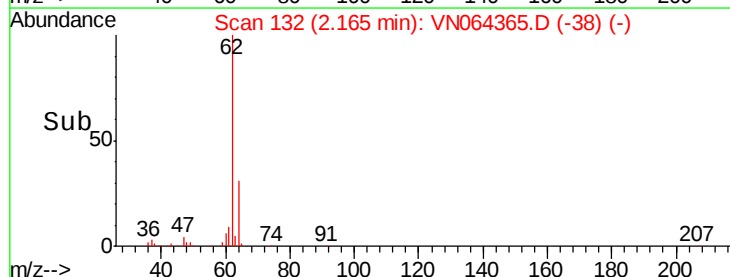
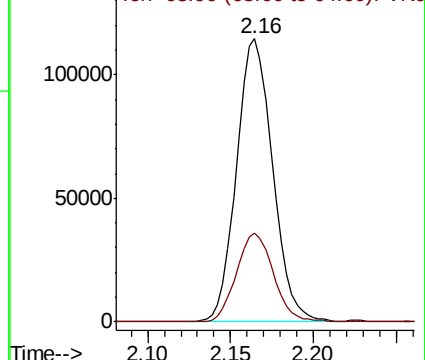
62 100

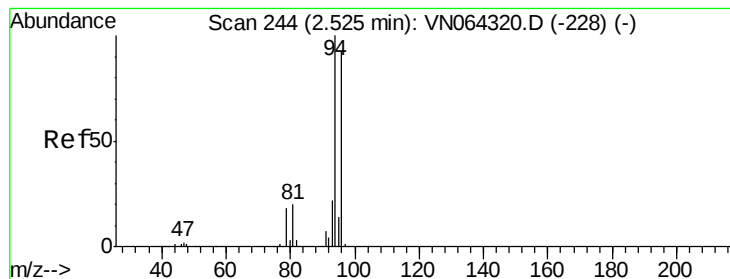
64 31.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.944 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

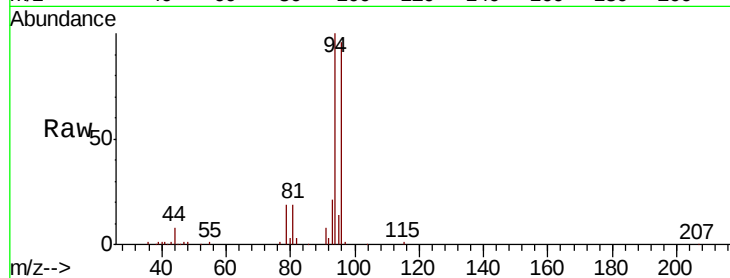
BFB

Tot Ion: 94 Resp: 101288

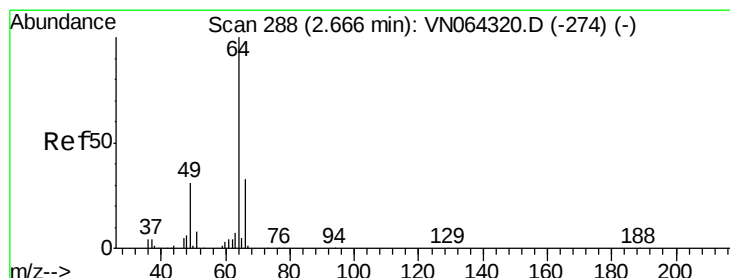
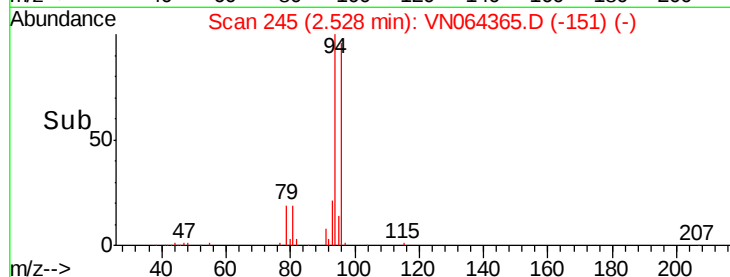
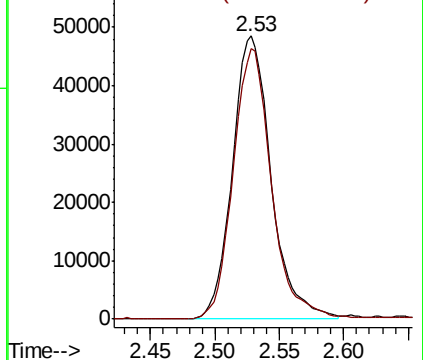
Ion Ratio Lower Upper

94 100

96 95.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.521 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064365.D

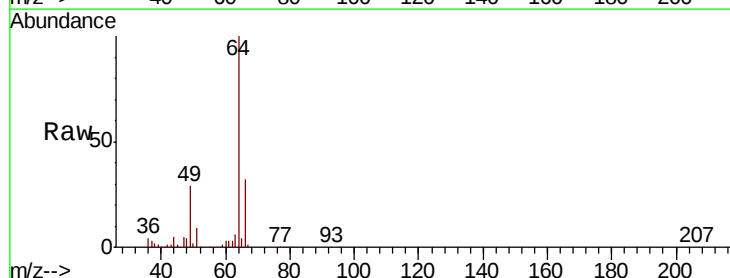
Acq: 29 Oct 2020 10:59

Tgt Ion: 64 Resp: 102798

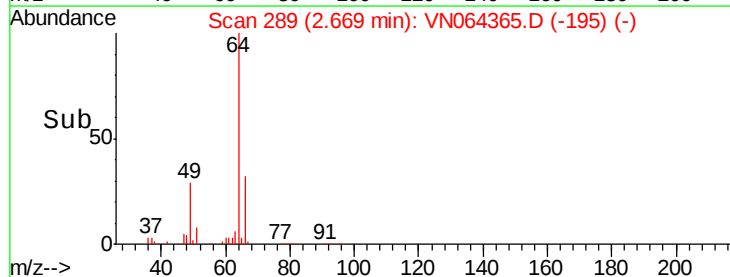
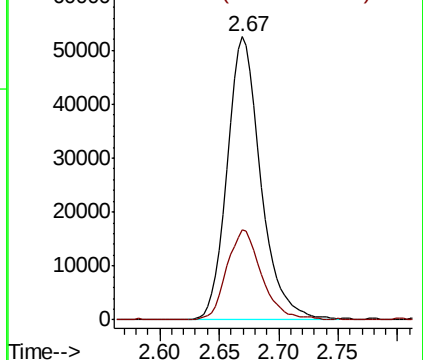
Ion Ratio Lower Upper

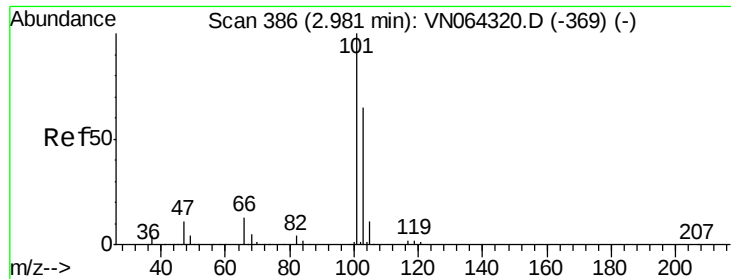
64 100

66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



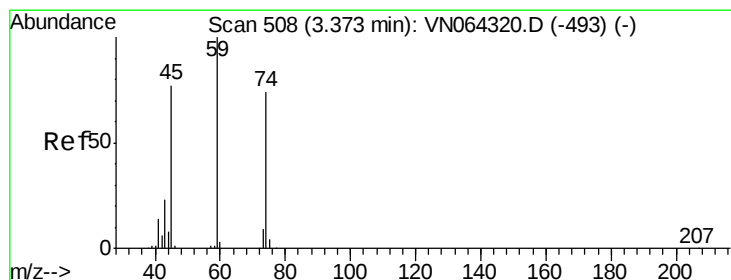
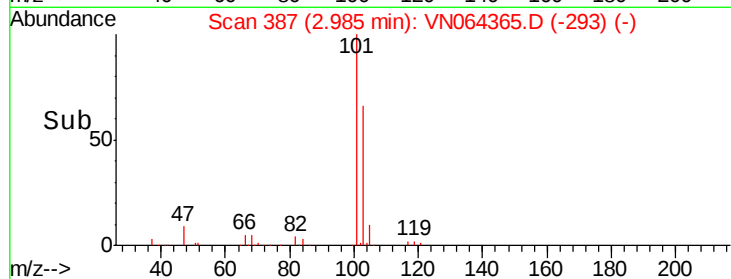
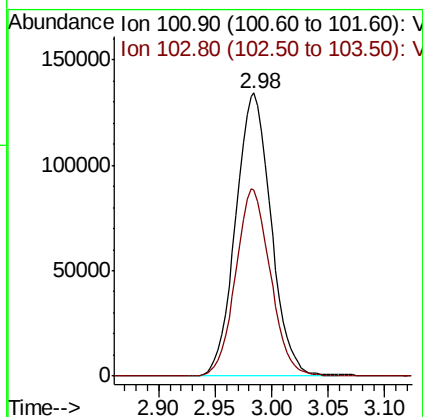
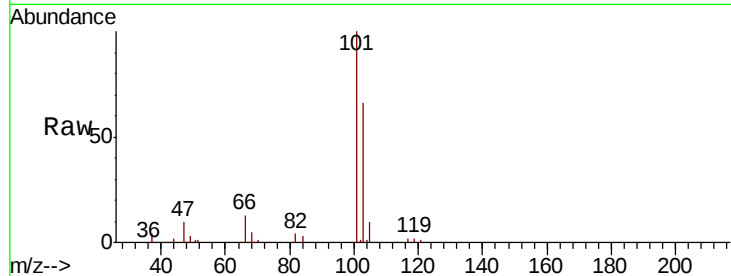


#7

Trichlorofluoromethane
Concen: 52.392 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

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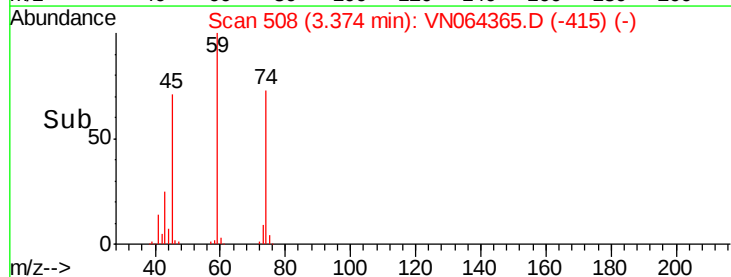
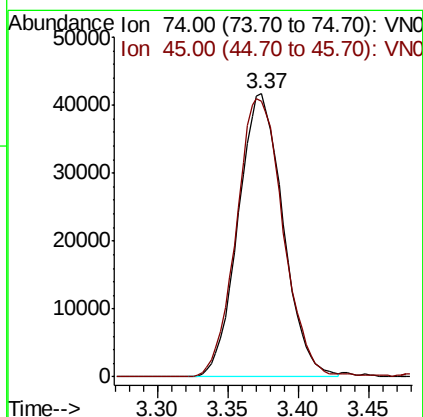
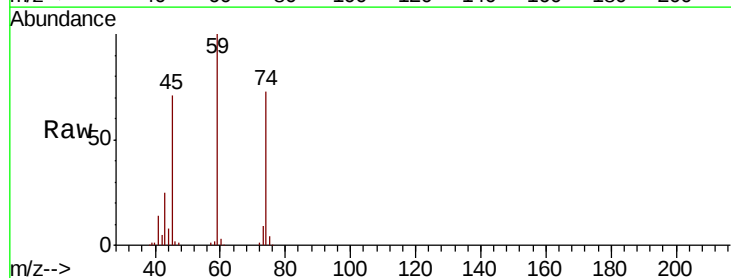
Tot Ion:101 Resp: 293080
Ion Ratio Lower Upper
101 100
103 65.9 51.7 77.5

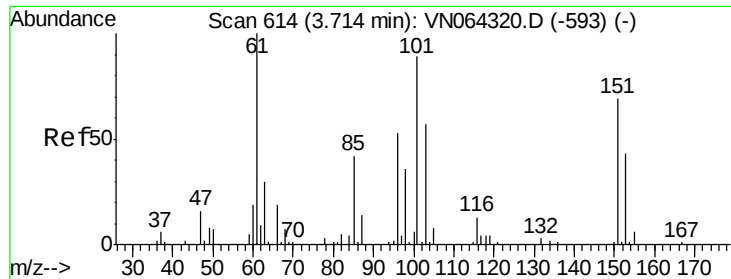


#8

Diethyl Ether
Concen: 52.495 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 74 Resp: 92895
Ion Ratio Lower Upper
74 100
45 102.4 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.073 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

BFB

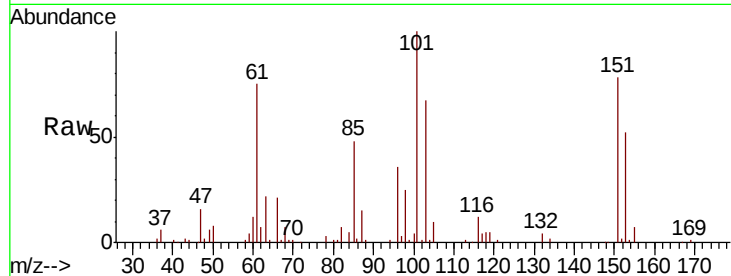
Tot Ion:101 Resp: 143595

Ion Ratio Lower Upper

101 100

85 46.3 38.4 57.6

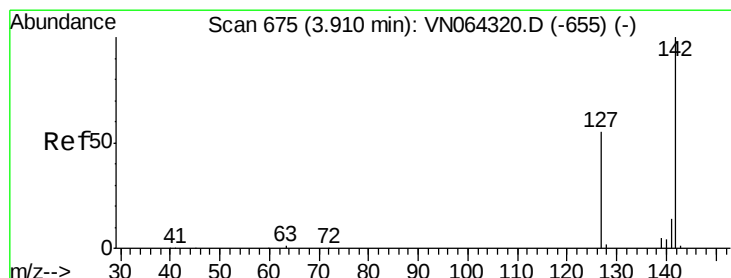
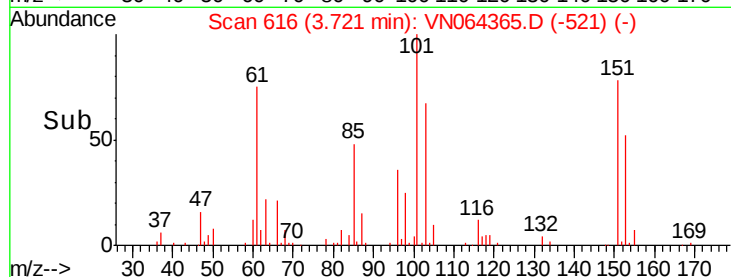
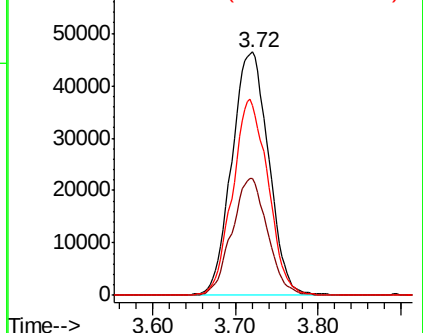
151 77.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.333 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

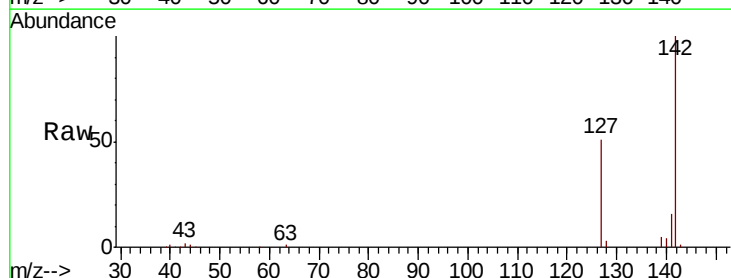
Tgt Ion:142 Resp: 166334

Ion Ratio Lower Upper

142 100

127 53.5 43.3 64.9

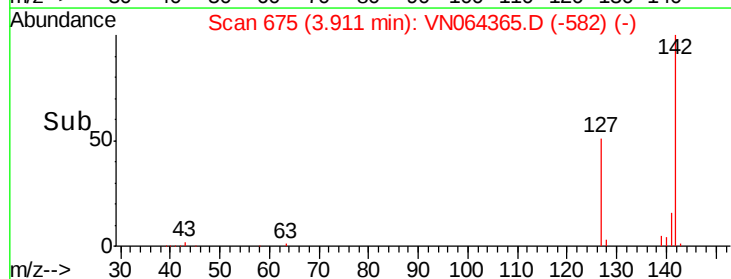
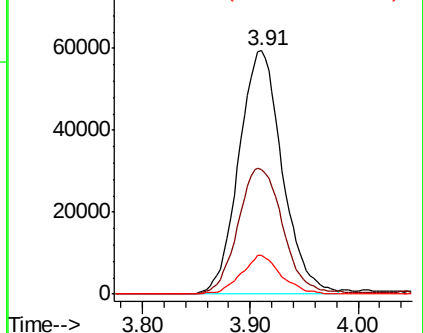
141 14.6 11.5 17.3

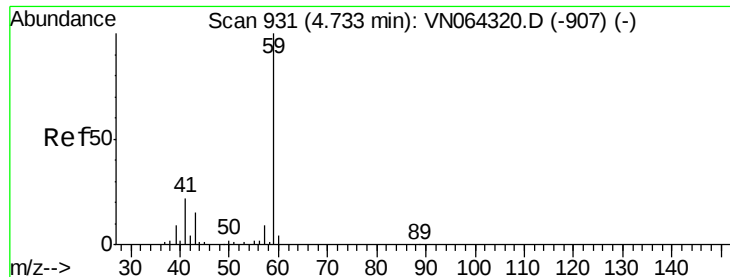


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



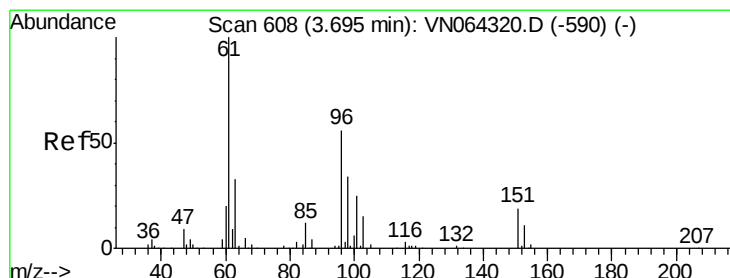
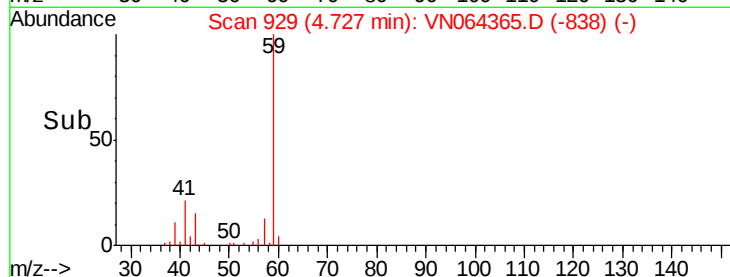
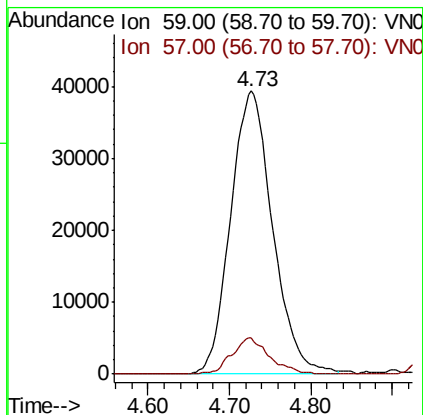
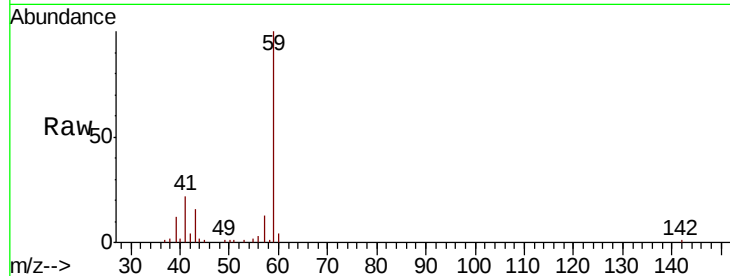


#11

Tert butyl alcohol
 Concen: 217.477 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

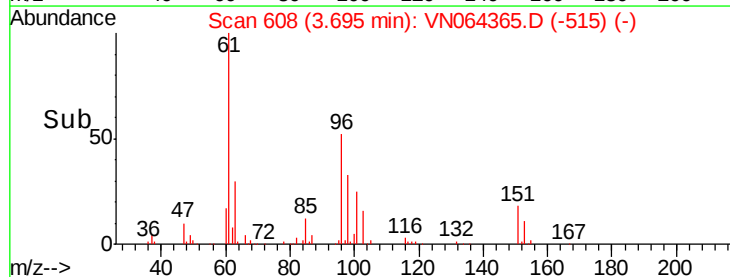
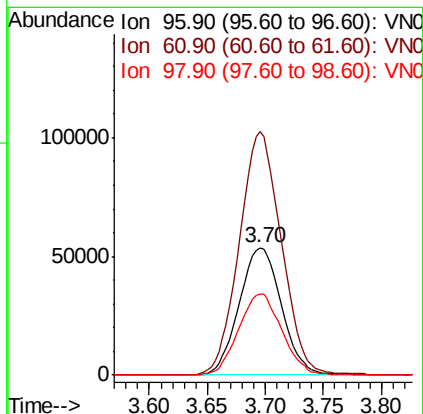
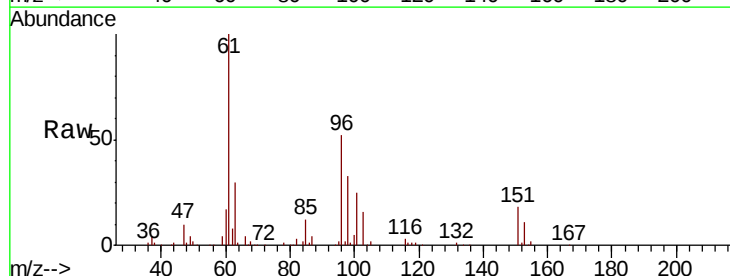
Tot Ion: 59 Resp: 140946
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.4 14.0

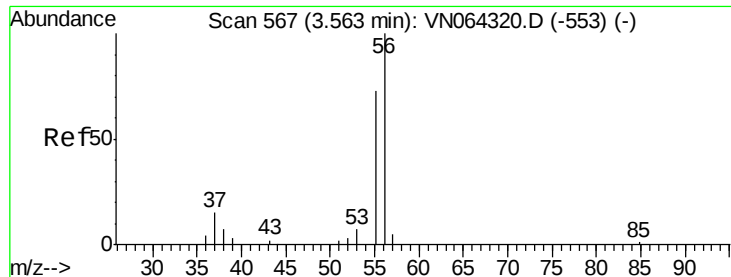


#12

1,1-Dichloroethene
 Concen: 51.333 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 96 Resp: 136249
 Ion Ratio Lower Upper
 96 100
 61 190.9 143.6 215.4
 98 63.5 48.6 73.0





#13

Acrolein

Concen: 233.928 ug/l

RT: 3.56 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

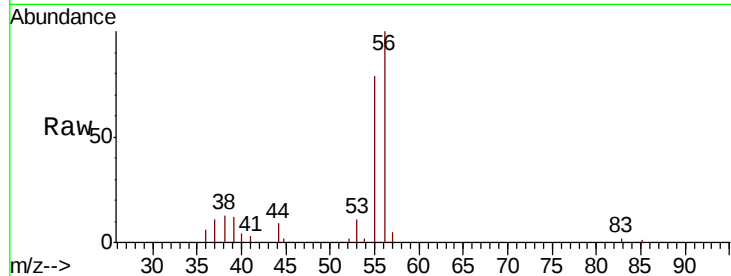
BFB

Tot Ion: 56 Resp: 32728

Ion Ratio Lower Upper

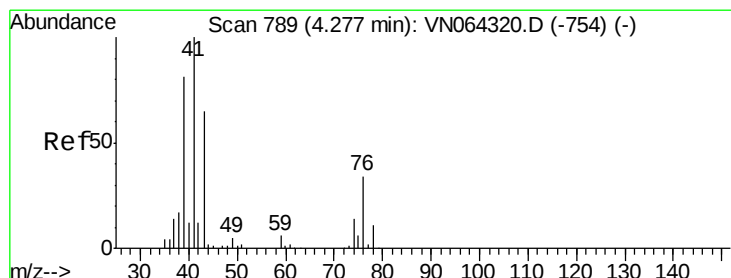
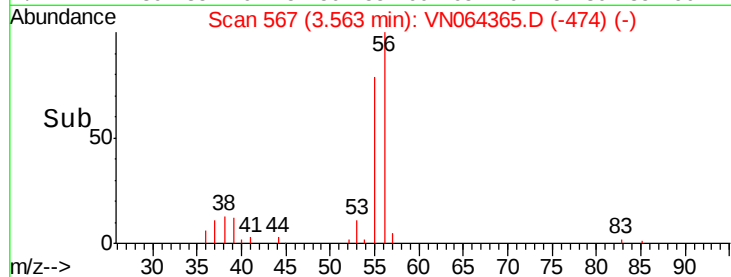
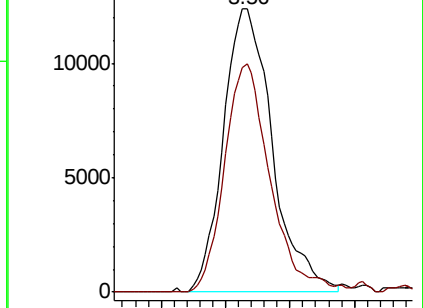
56 100

55 75.3 62.6 94.0



Abundance Ion 56.00 (55.70 to 56.70): VN064320.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN064320.D (-553) (-)



#14

Allyl chloride

Concen: 51.396 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

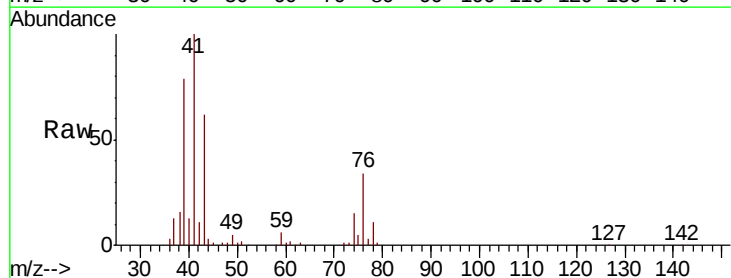
Tgt Ion: 41 Resp: 278547

Ion Ratio Lower Upper

41 100

39 75.5 61.7 92.5

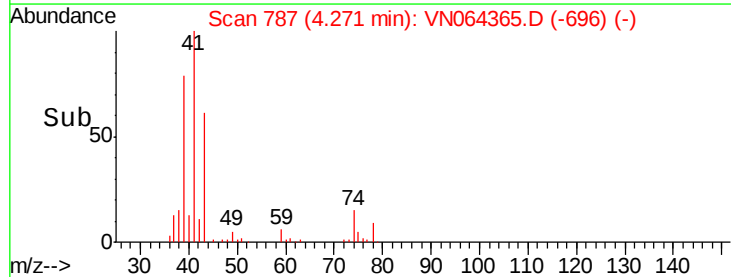
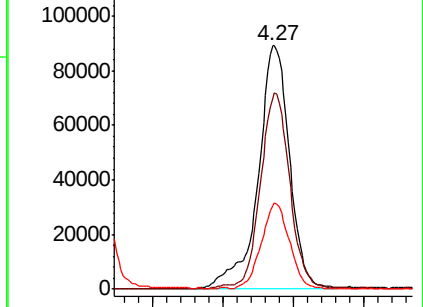
76 30.9 24.0 36.0

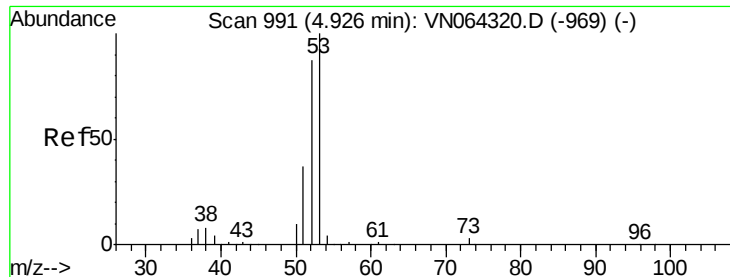


Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN064320.D (-754) (-)





#15

Acrylonitrile

Concen: 258.907 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

BFB

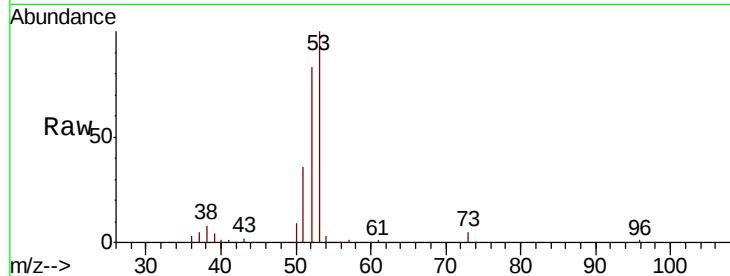
Tot Ion: 53 Resp: 360842

Ion Ratio Lower Upper

53 100

52 81.1 65.9 98.9

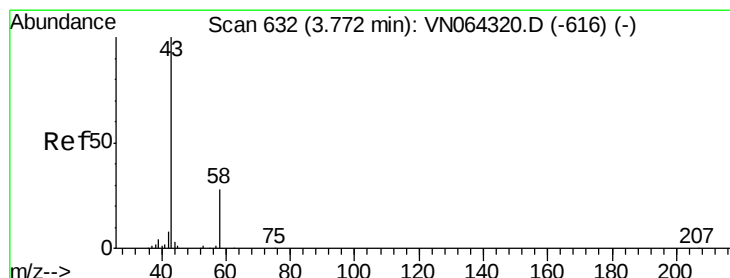
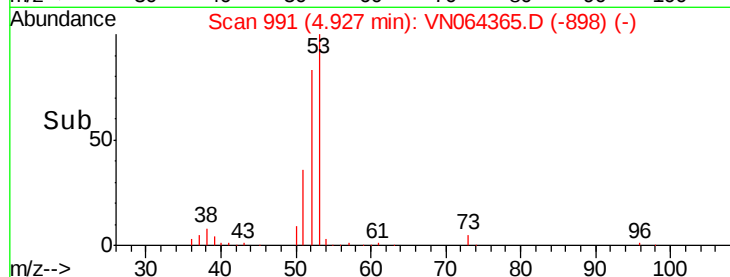
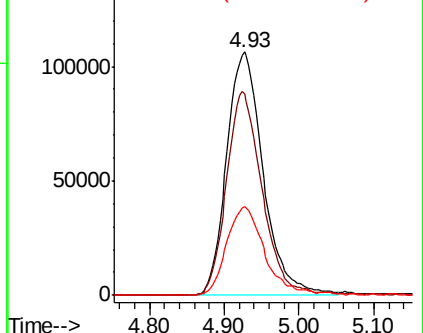
51 37.6 30.4 45.6



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



#16

Acetone

Concen: 281.933 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064365.D

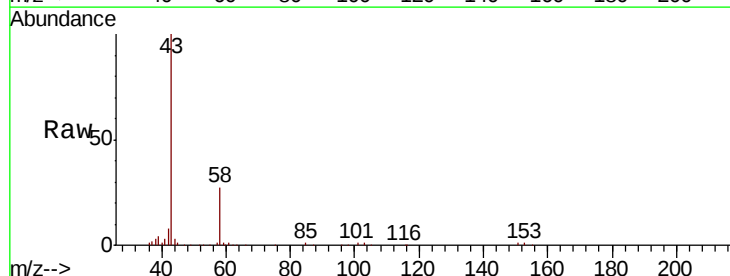
Acq: 29 Oct 2020 10:59

Tgt Ion: 43 Resp: 427693

Ion Ratio Lower Upper

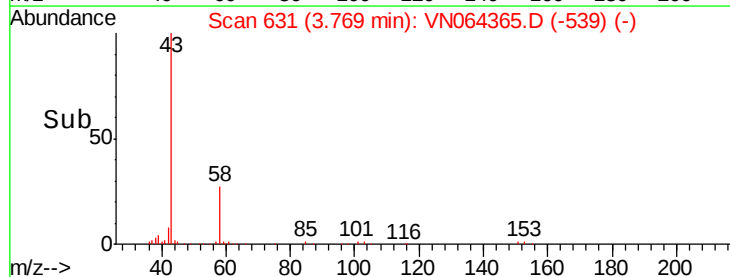
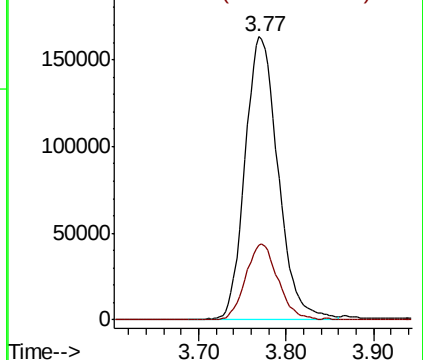
43 100

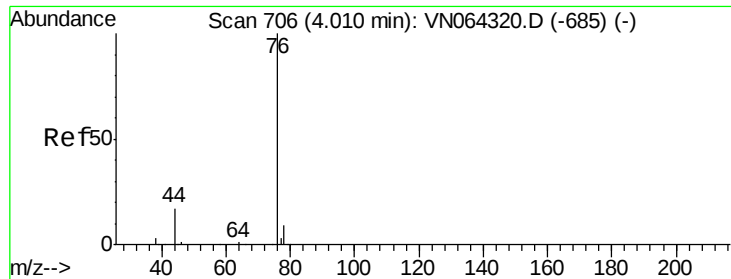
58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

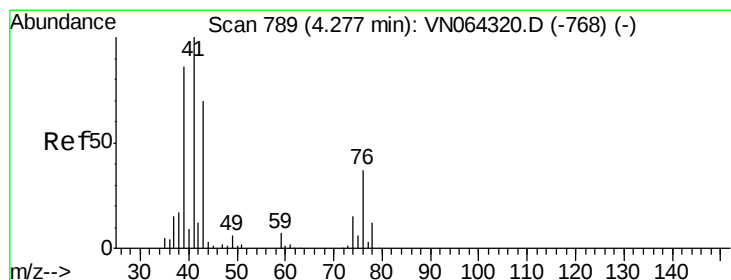
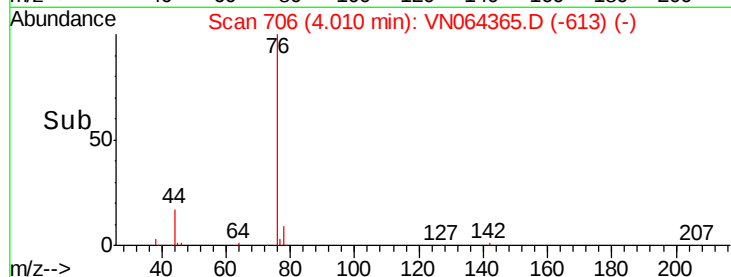
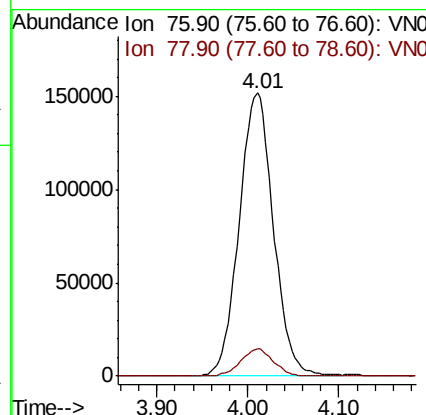
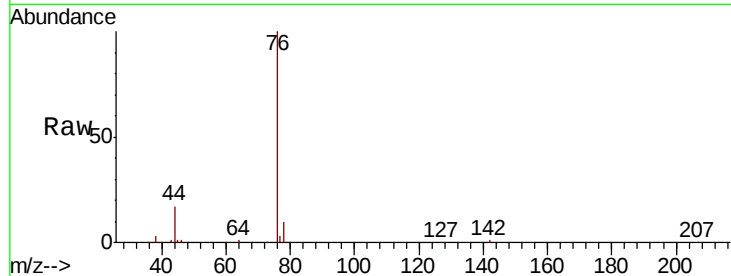




#17
Carbon Disulfide
Concen: 50.518 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

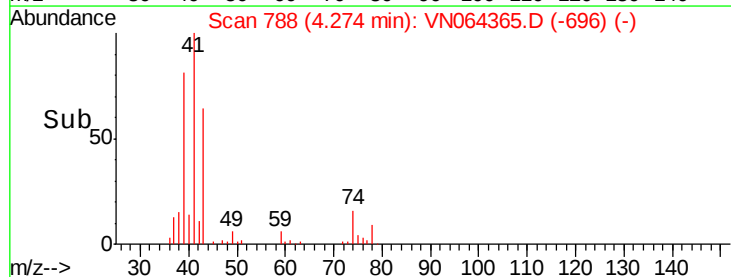
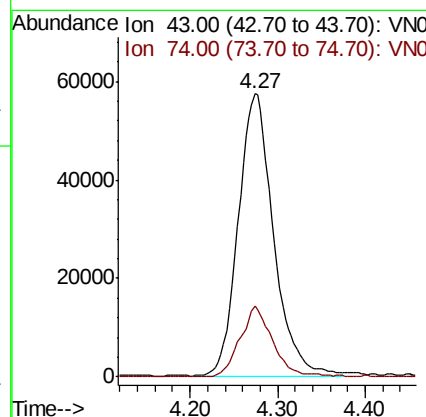
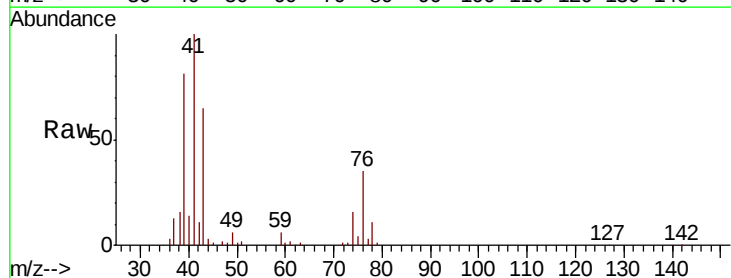
Instrument :
MSVOA_N
ClientSampled :
BFB

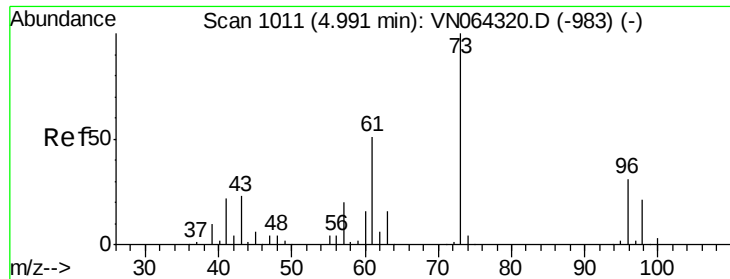
Tot Ion: 76 Resp: 396718
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 47.658 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 43 Resp: 159834
Ion Ratio Lower Upper
43 100
74 22.5 16.7 25.1

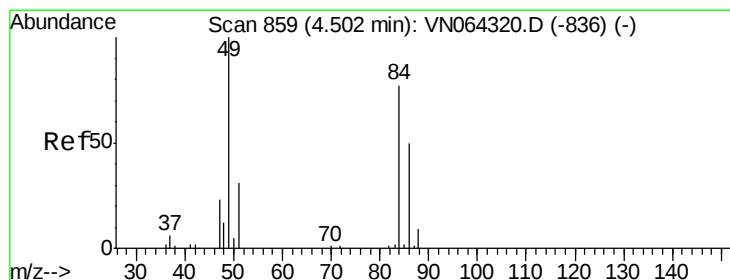
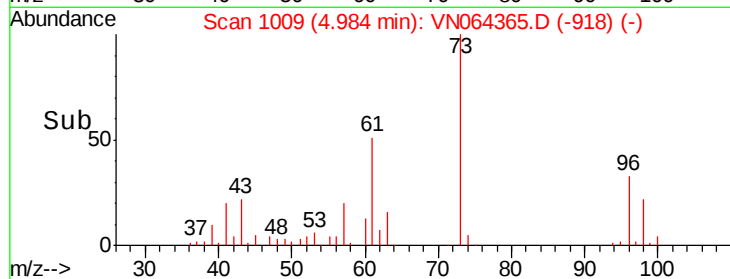
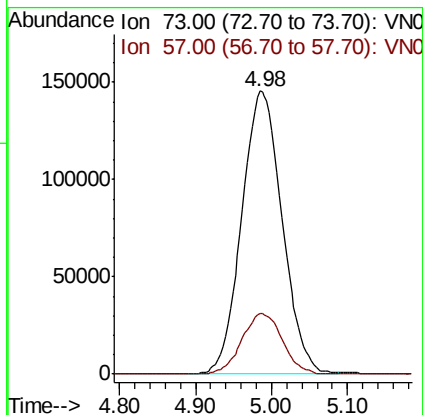
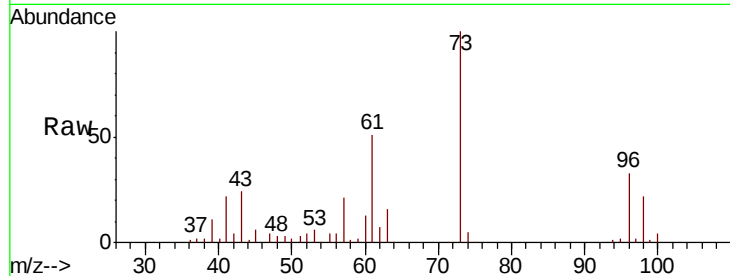




#19
Methvl tert-butvl Ether
Concen: 52.626 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

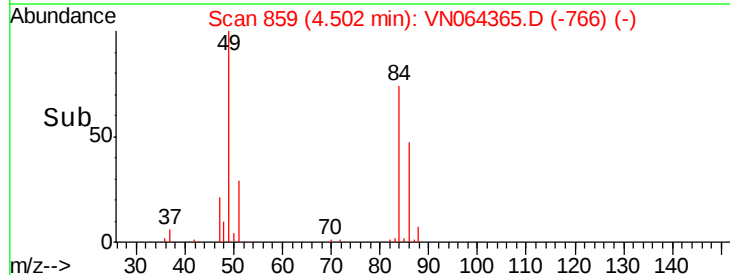
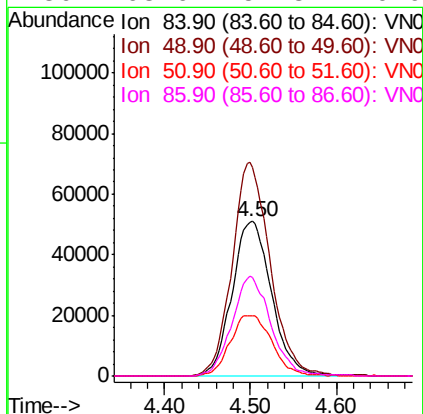
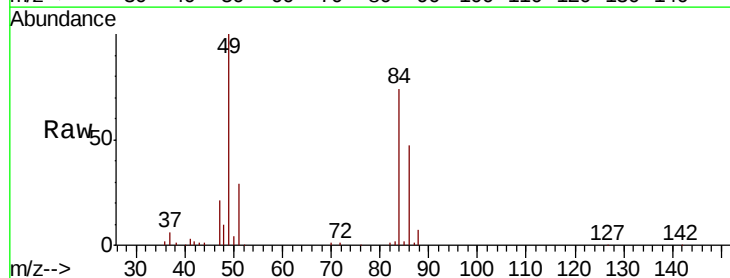
Instrument :
MSVOA_N
ClientSampleId :
BFB

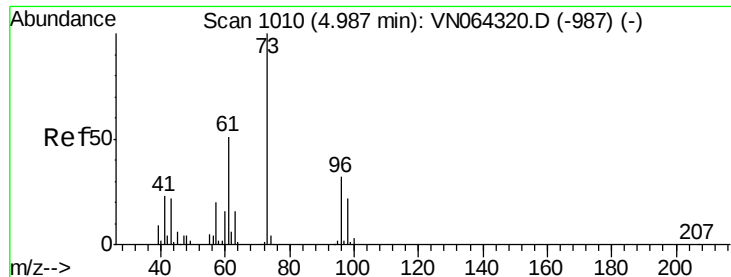
Tot Ion: 73 Resp: 536688
Ion Ratio Lower Upper
73 100
57 21.5 16.1 24.1



#20
Methylene Chloride
Concen: 51.449 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 84 Resp: 162899
Ion Ratio Lower Upper
84 100
49 134.5 103.6 155.4
51 39.3 31.8 47.8
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.328 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

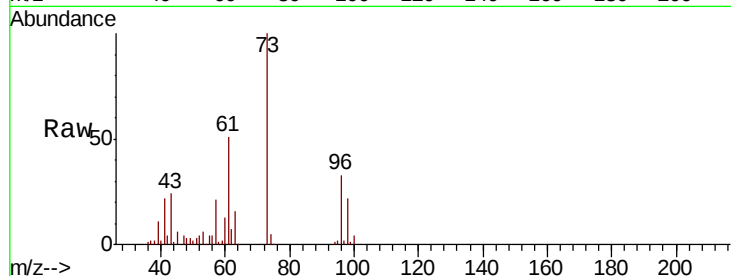
Tot Ion: 96 Resp: 154940

Ion Ratio Lower Upper

96 100

61 153.3 128.2 192.2

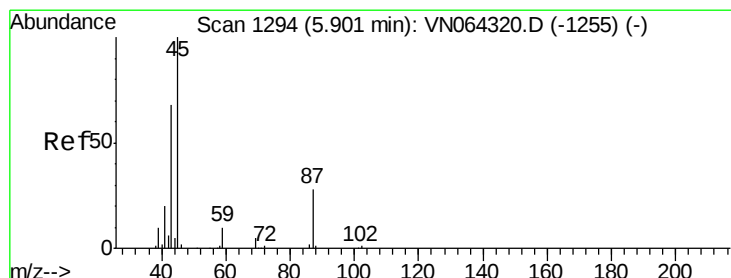
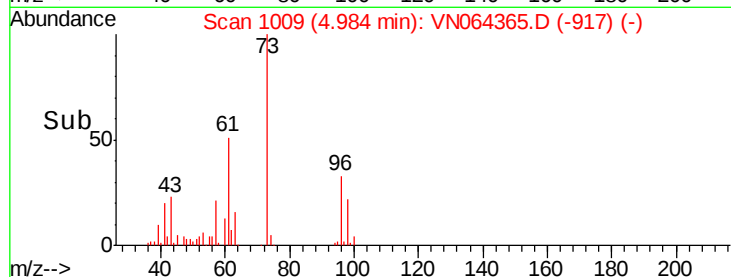
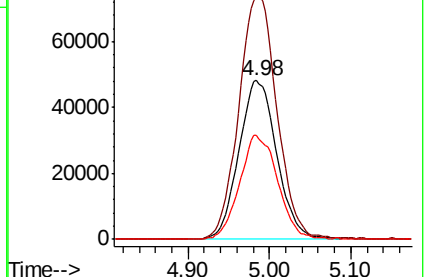
98 65.2 56.1 84.1



Abundance Ion 95.90 (95.60 to 96.60): VN064320.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064320.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-987) (-)



#22

Diisopropyl ether

Concen: 53.406 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion: 45 Resp: 565746

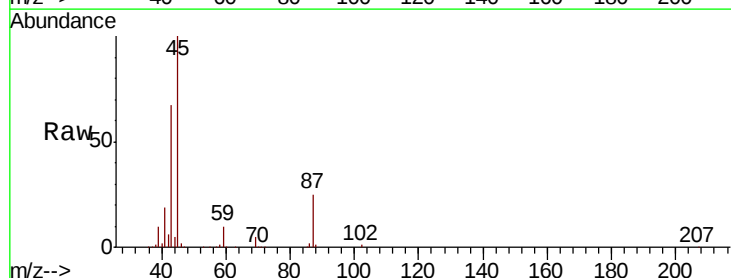
Ion Ratio Lower Upper

45 100

43 64.9 54.6 82.0

87 25.1 22.6 33.8

59 10.0 8.6 12.8

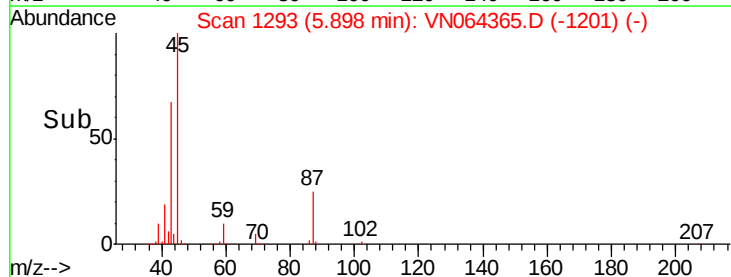
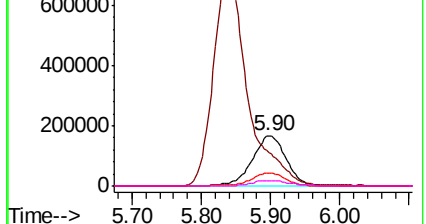


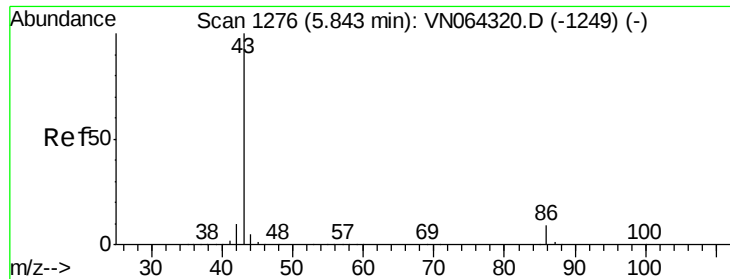
Abundance Ion 45.00 (44.70 to 45.70): VN064320.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN064320.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN064320.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN064320.D (-1255) (-)

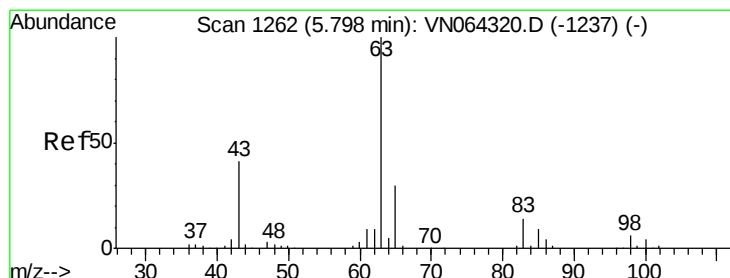
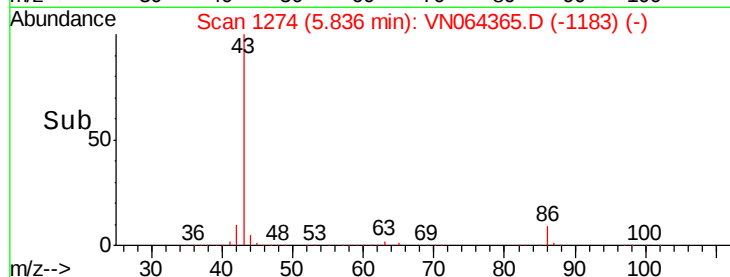
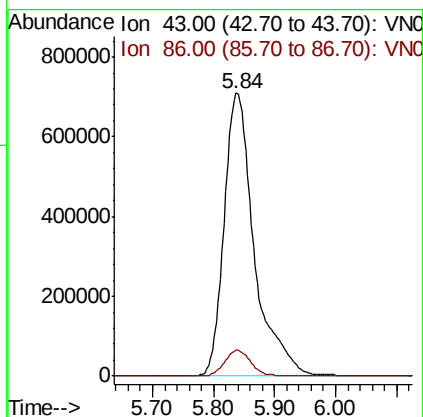
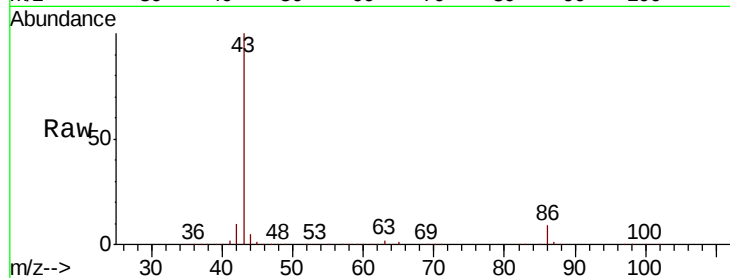




#23
 Vinyl Acetate
 Concen: 272.258 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

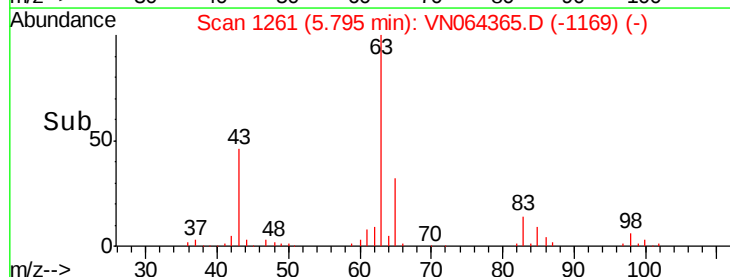
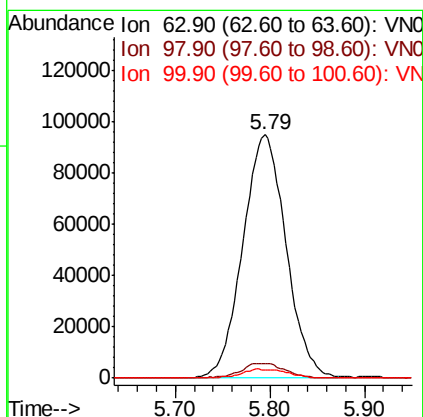
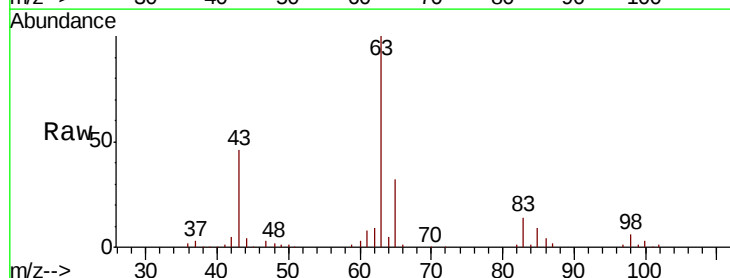
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

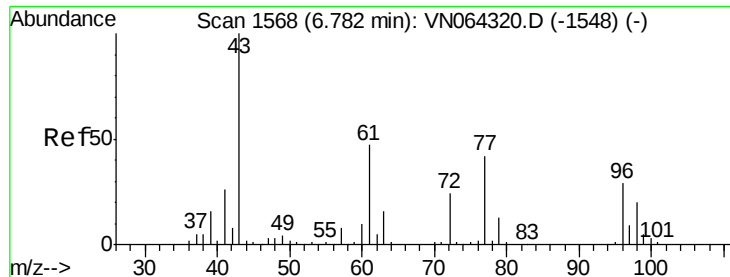
Tot Ion: 43 Resp: 2440026
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 50.905 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 63 Resp: 301751
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.4
 100 3.4 2.0 5.8

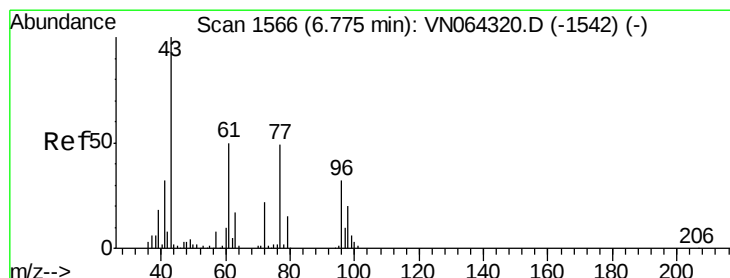
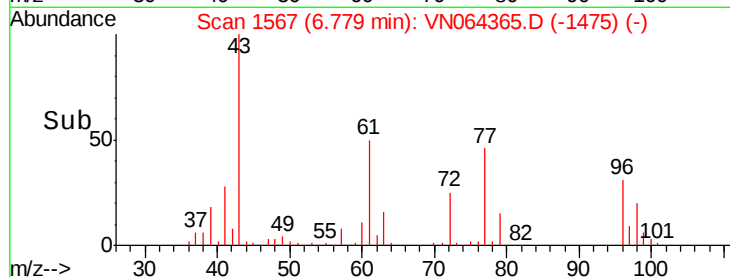
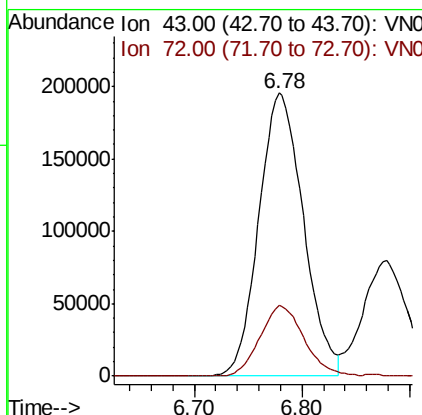
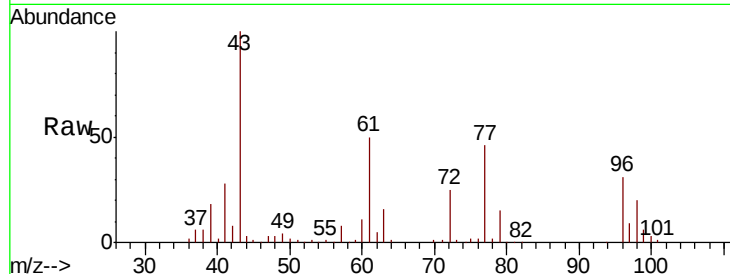




#25
2-Butanone
Concen: 249.039 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

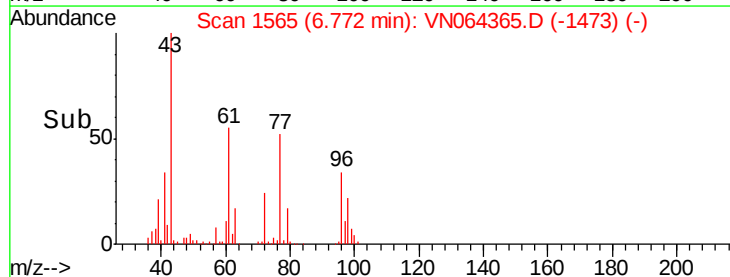
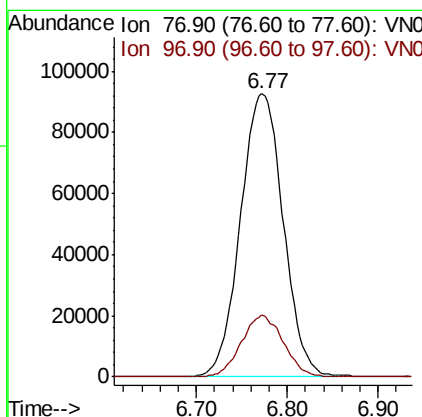
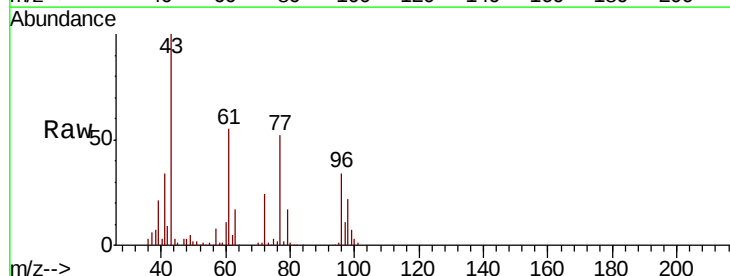
Instrument :
MSVOA_N
ClientSampled :
BFB

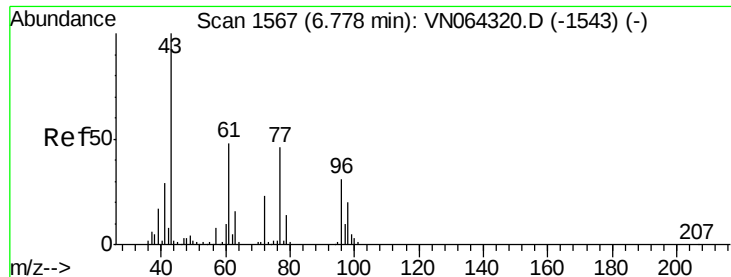
Tot Ion: 43 Resp: 558257
Ion Ratio Lower Upper
43 100
72 24.9 18.8 28.2



#26
2,2-Dichloropropane
Concen: 52.113 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 77 Resp: 302326
Ion Ratio Lower Upper
77 100
97 21.4 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 53.802 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

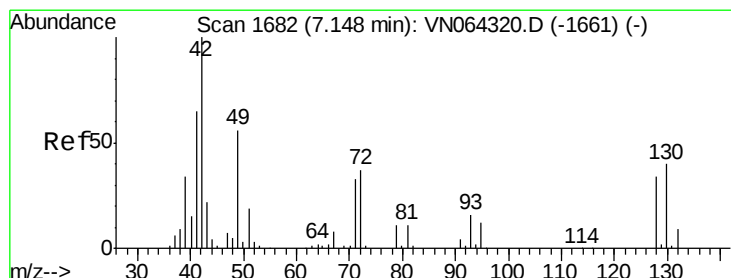
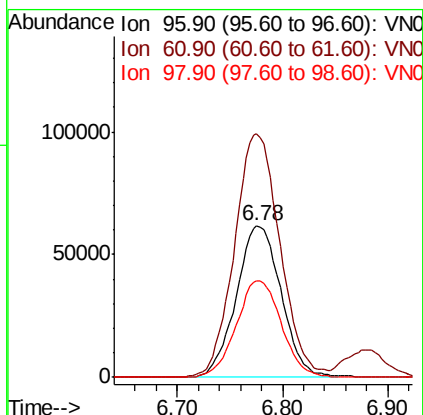
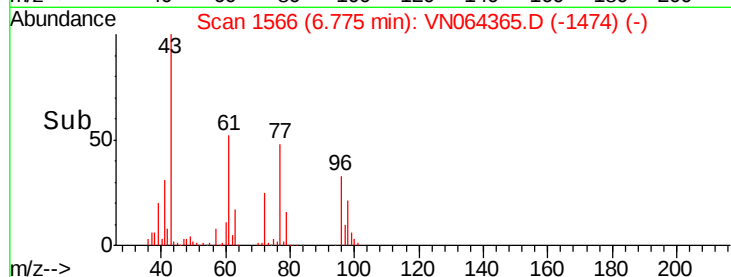
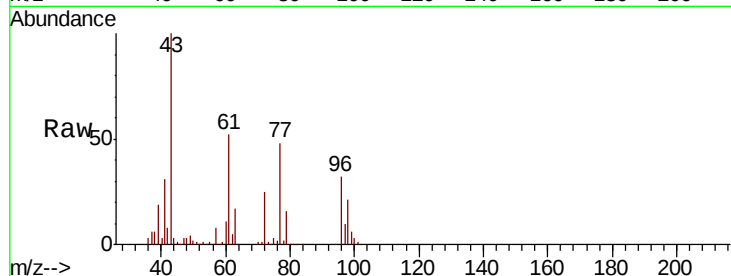
Tot Ion: 96 Resp: 182312

Ion Ratio Lower Upper

96 100

61 163.1 0.0 325.0

98 64.3 0.0 128.4



#28

Bromochloromethane

Concen: 47.823 ug/l

RT: 7.15 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

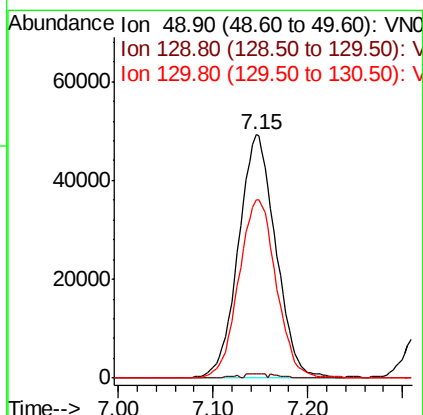
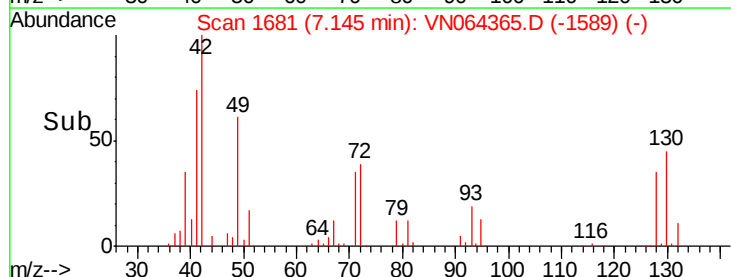
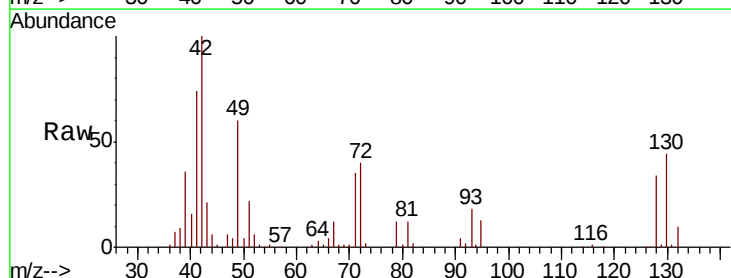
Tgt Ion: 49 Resp: 135061

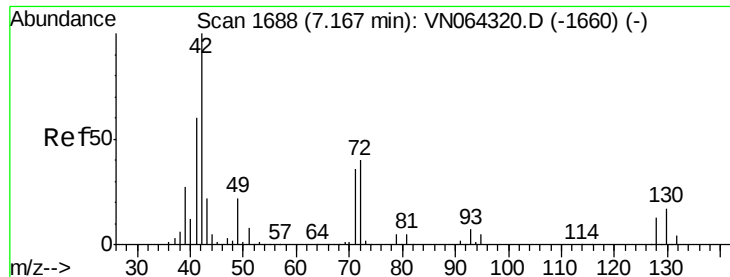
Ion Ratio Lower Upper

49 100

129 0.9 0.0 2.8

130 73.8 56.2 84.2

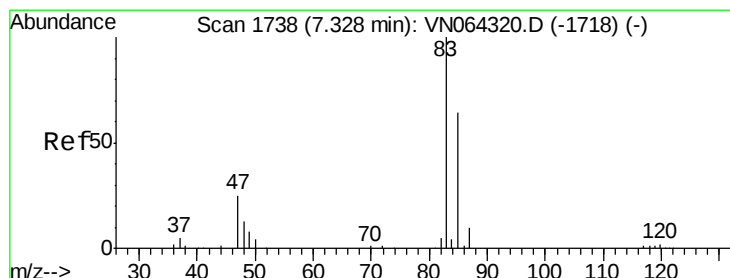
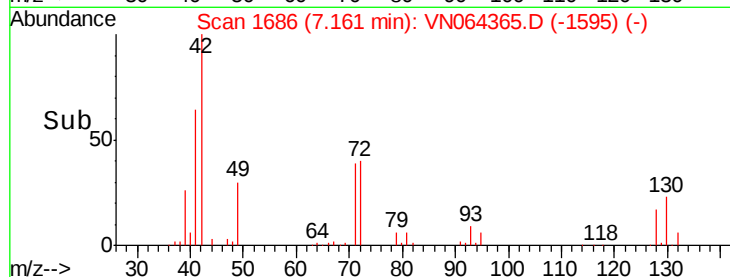
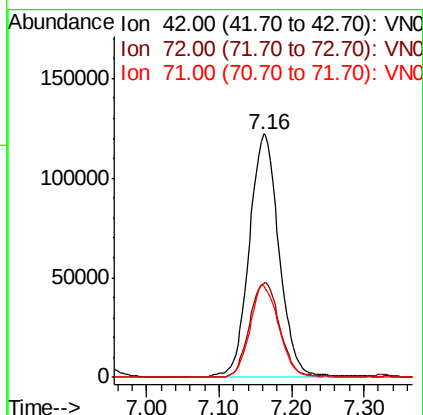
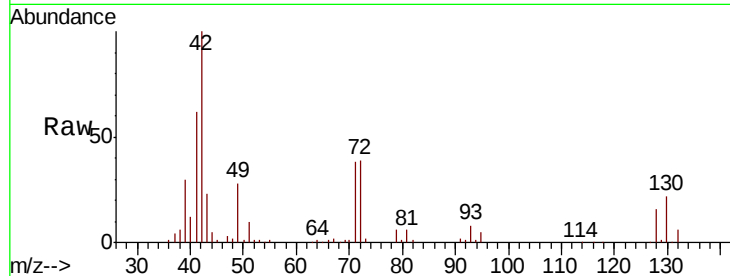




#29
Tetrahydrofuran
Concen: 240.445 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

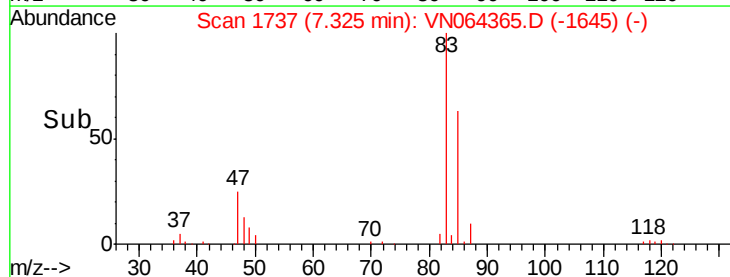
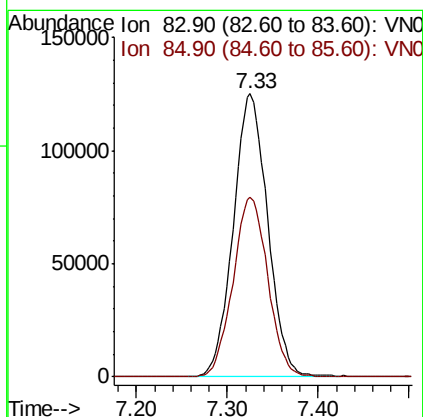
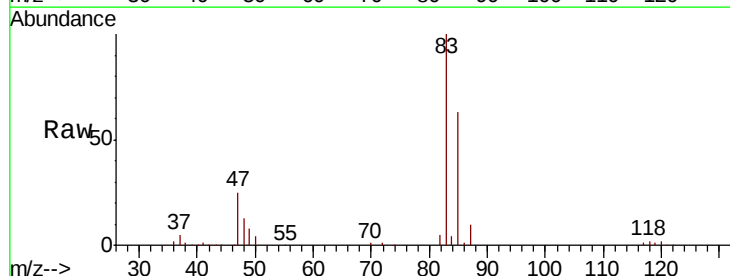
Instrument :
MSVOA_N
ClientSampleId :
BFB

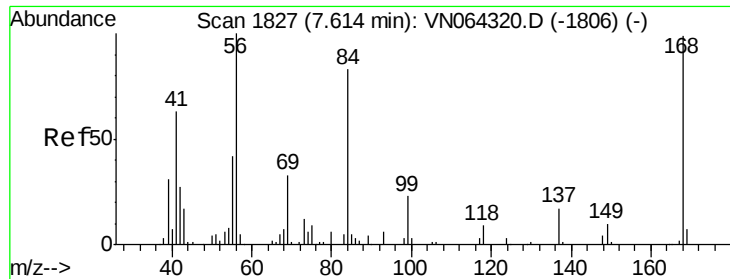
Tot Ion: 42 Resp: 349910
Ion Ratio Lower Upper
42 100
72 39.7 31.6 47.4
71 36.7 29.4 44.0



#30
Chloroform
Concen: 51.927 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 83 Resp: 328549
Ion Ratio Lower Upper
83 100
85 63.3 51.1 76.7

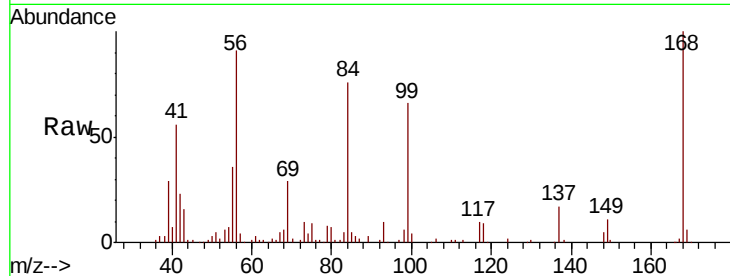




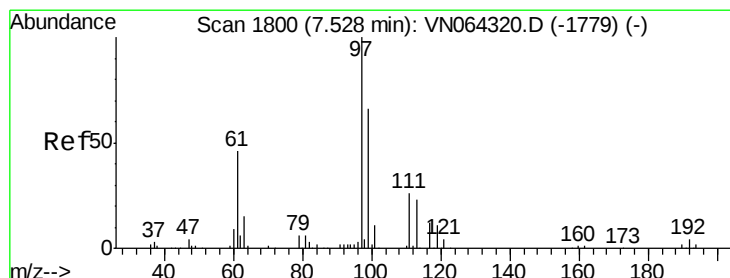
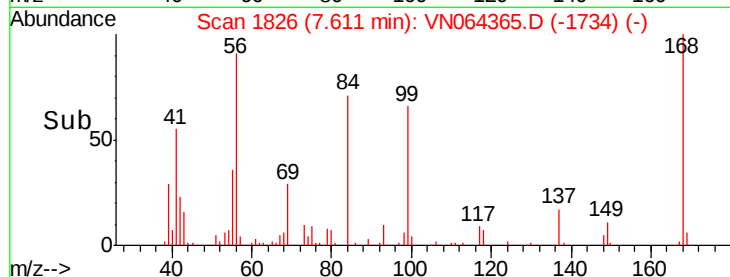
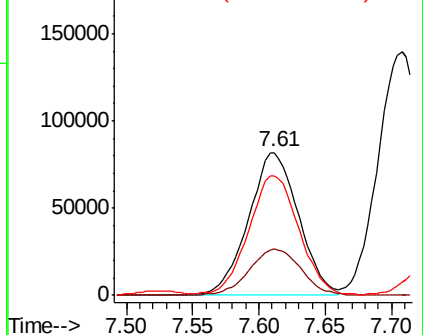
#31
Cyclohexane
Concen: 41.635 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 56 Resp: 215730
Ion Ratio Lower Upper
56 100
69 32.1 25.8 38.8
84 82.4 66.3 99.5

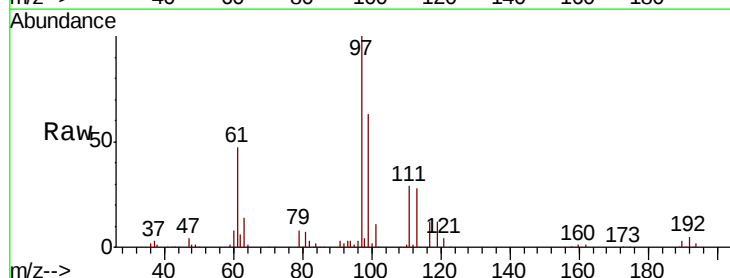


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

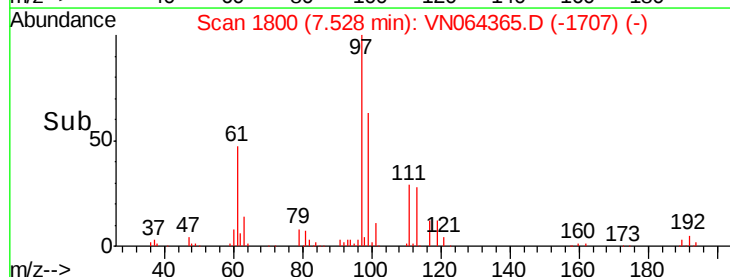
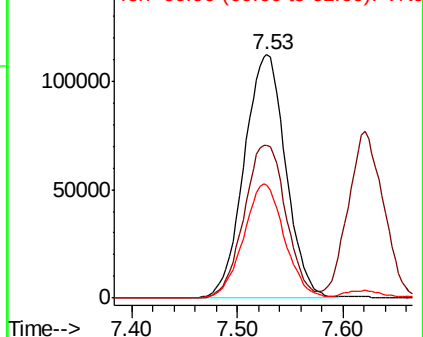


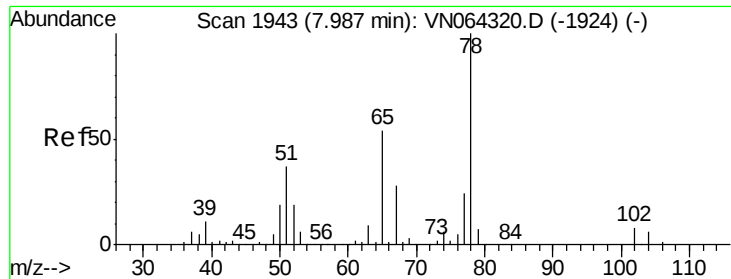
#32
1,1,1-Trichloroethane
Concen: 50.588 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 97 Resp: 307357
Ion Ratio Lower Upper
97 100
99 63.5 50.6 76.0
61 46.0 35.8 53.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.159 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

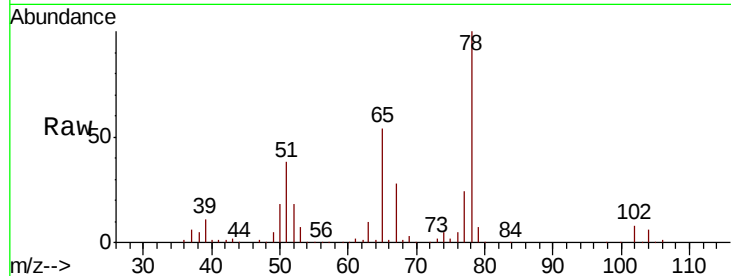
BFB

Tot Ion: 65 Resp: 206079

Ion Ratio Lower Upper

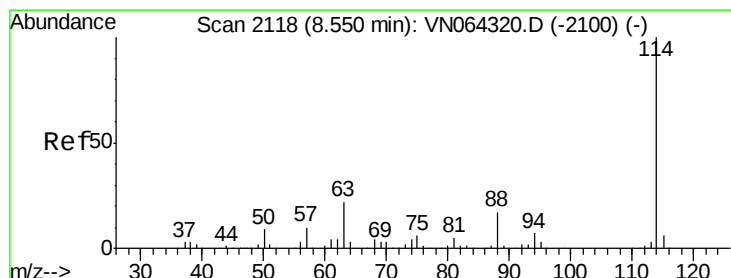
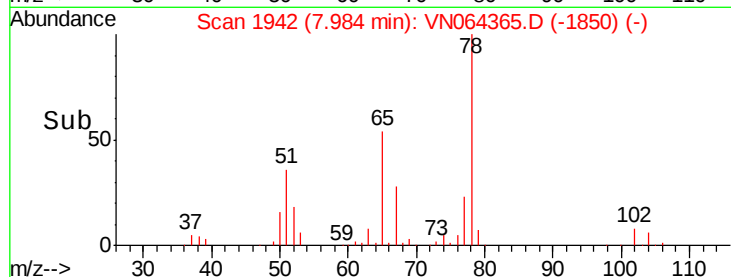
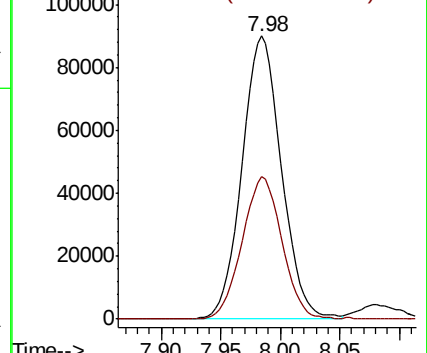
65 100

67 50.8 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

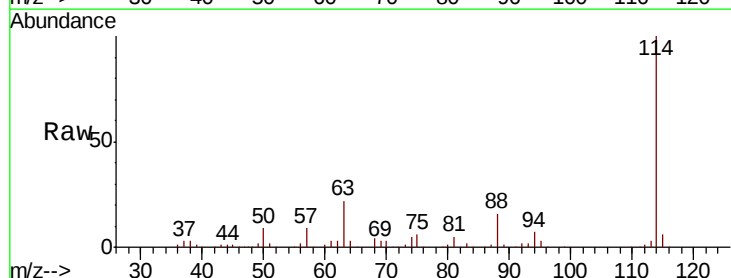
Tgt Ion:114 Resp: 436566

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

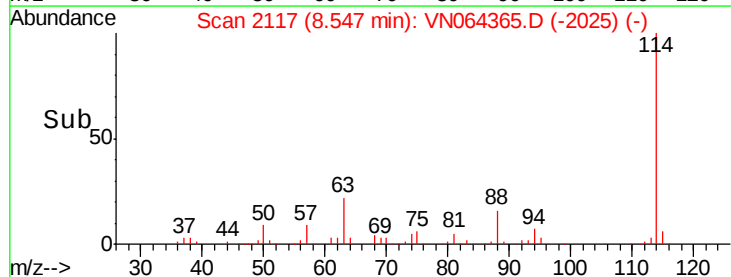
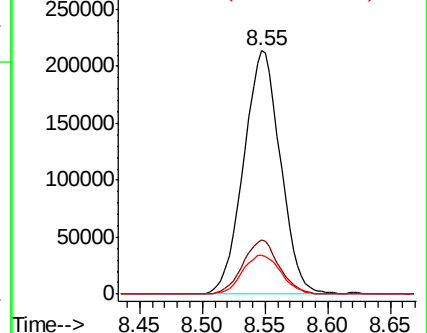
88 16.1 0.0 33.4

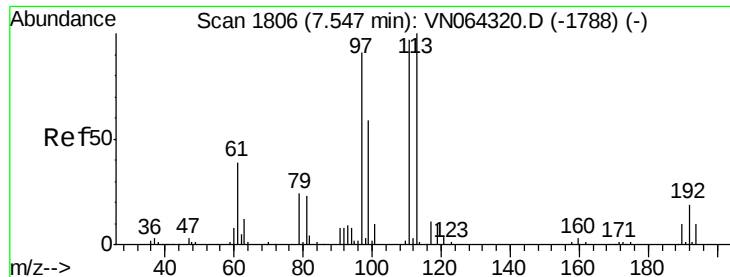


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

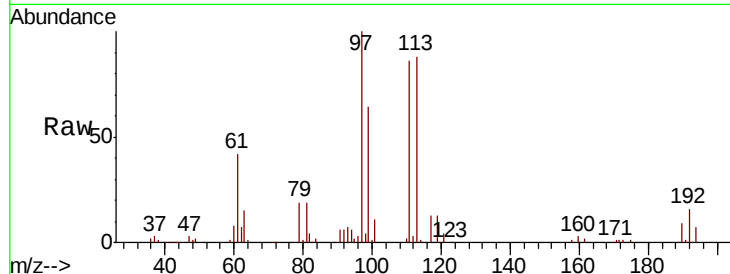




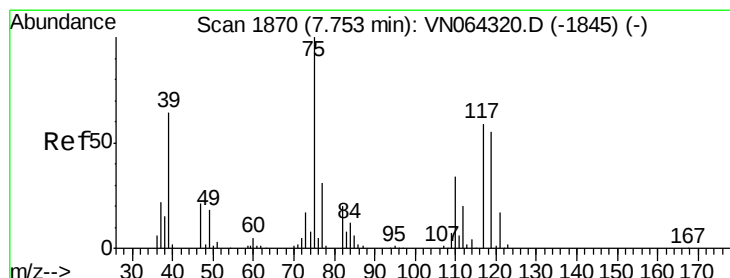
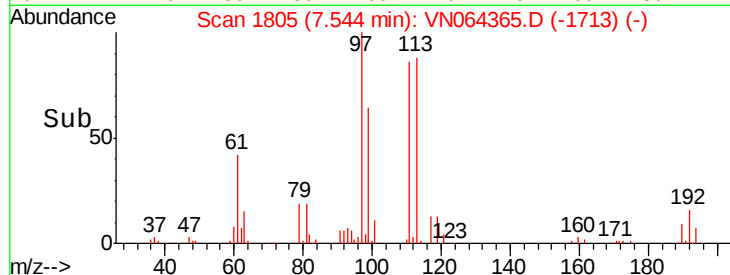
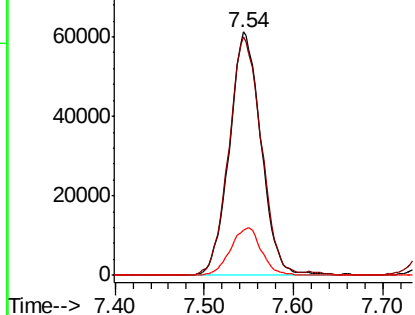
#35
 Dibromofluoromethane
 Concen: 51.760 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion:113 Resp: 150692
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.5 122.3
 192 19.1 15.0 22.4

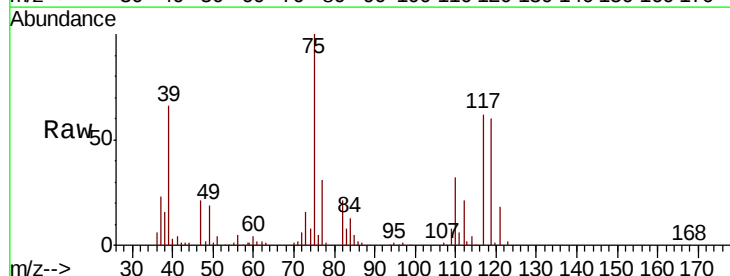


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

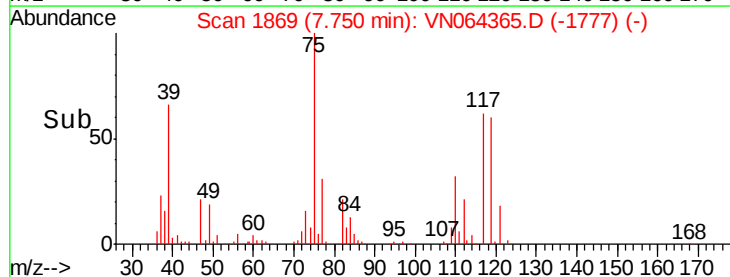
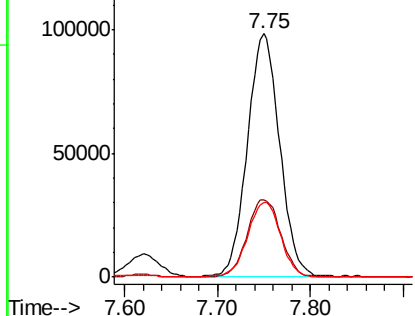


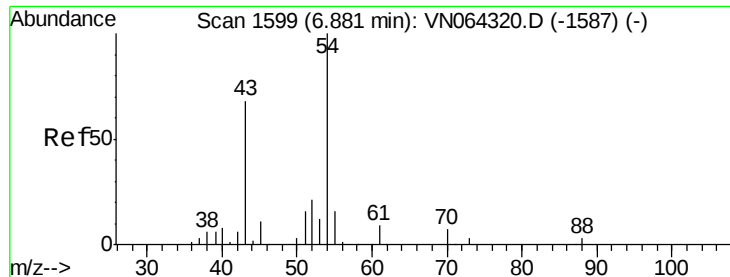
#36
 1,1-Dichloropropene
 Concen: 53.833 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 75 Resp: 237185
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.8 50.3
 77 31.6 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

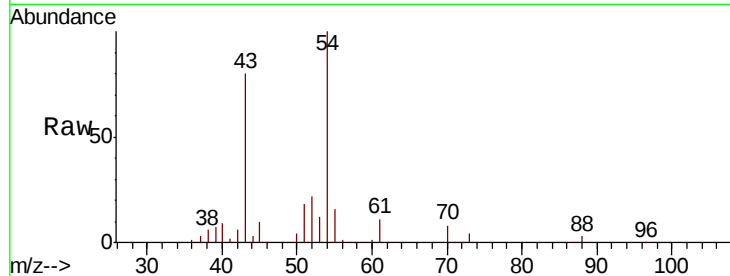




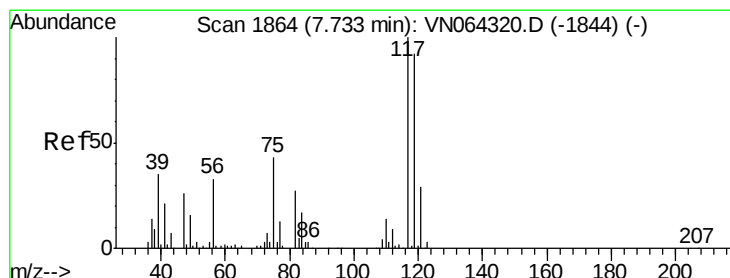
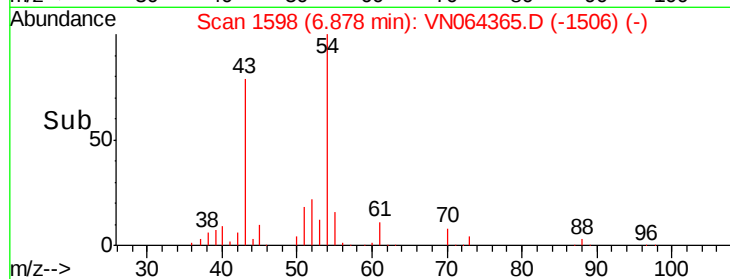
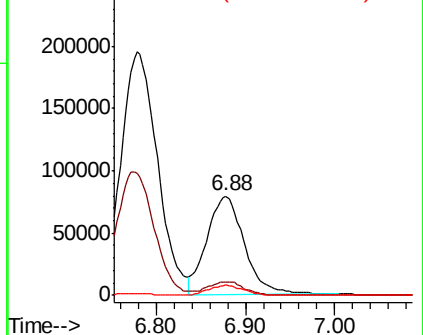
#37
Ethyl Acetate
Concen: 51.932 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 43 Resp: 231123
Ion Ratio Lower Upper
43 100
61 12.9 10.0 15.0
70 9.4 7.1 10.7

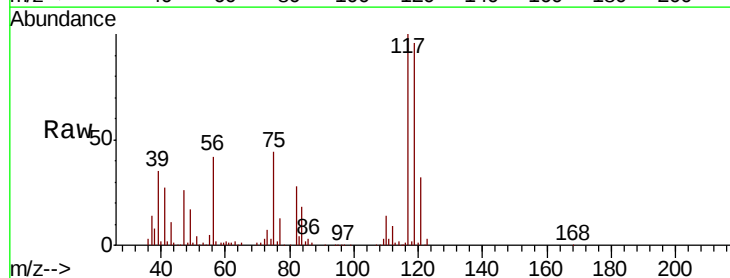


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

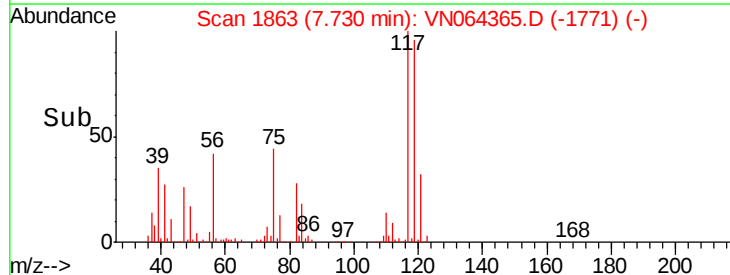
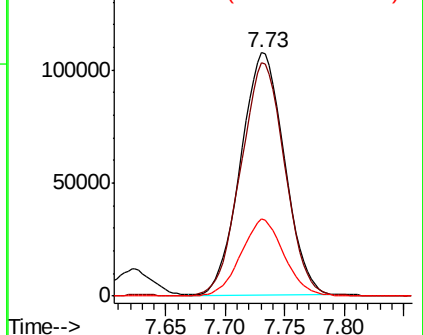


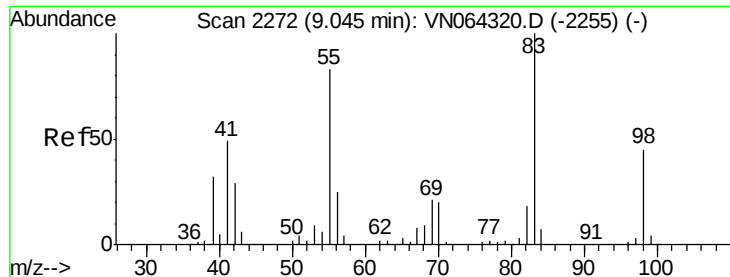
#38
Carbon Tetrachloride
Concen: 53.645 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 117 Resp: 274016
Ion Ratio Lower Upper
117 100
119 96.3 73.7 110.5
121 31.7 22.8 34.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

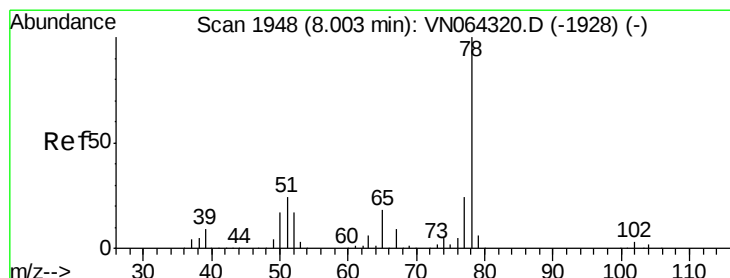
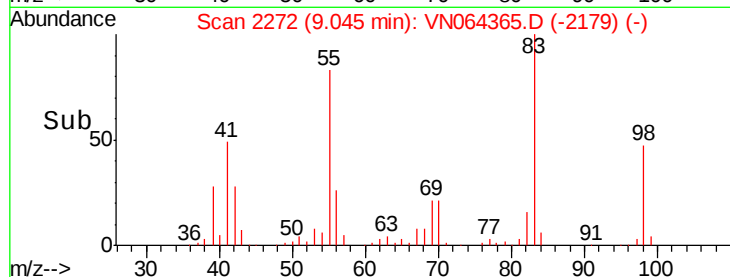
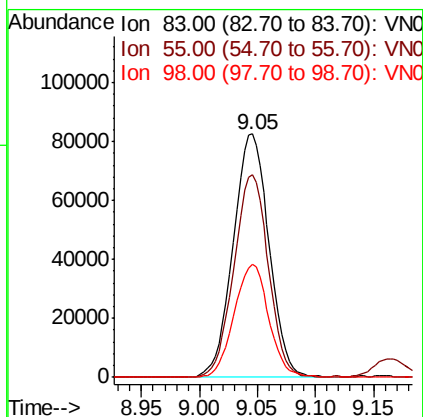
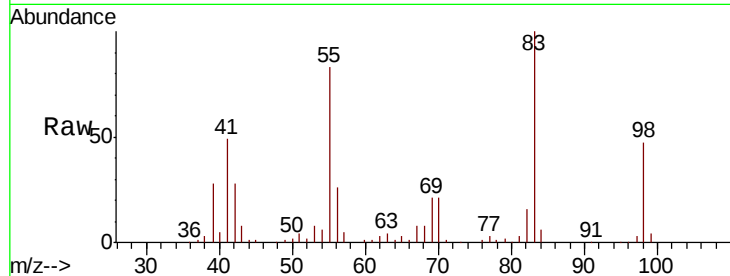




#39
Methvlcvclohexane
Concen: 40.498 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

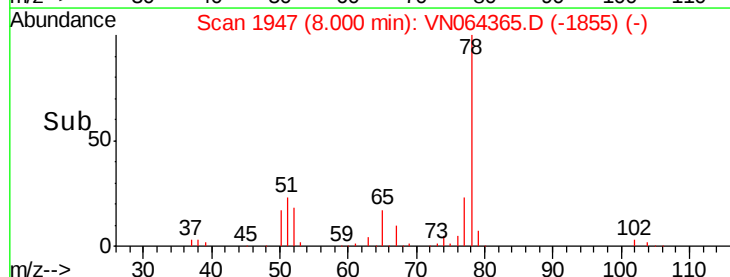
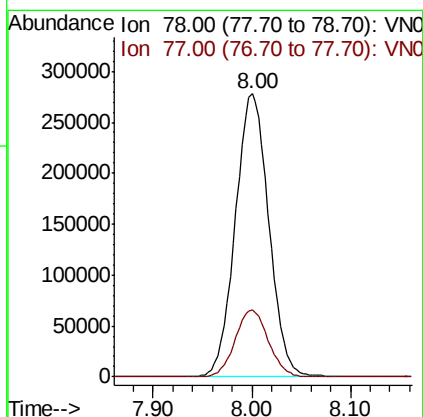
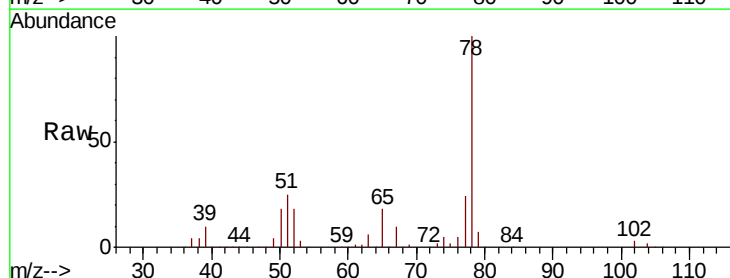
Instrument :
MSVOA_N
ClientSampled :
BFB

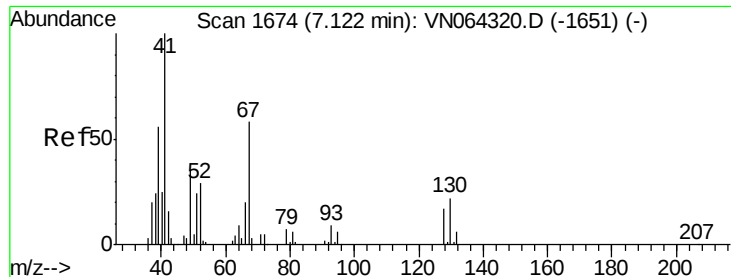
Tot Ion: 83 Resp: 176923
Ion Ratio Lower Upper
83 100
55 83.1 66.2 99.4
98 46.6 36.0 54.0



#40
Benzene
Concen: 53.304 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 78 Resp: 653726
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

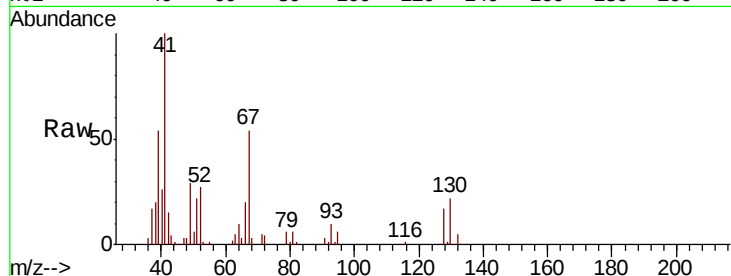




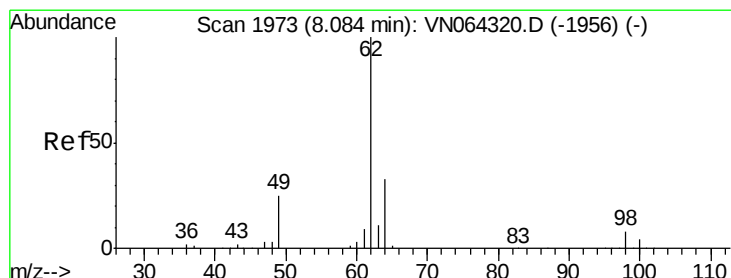
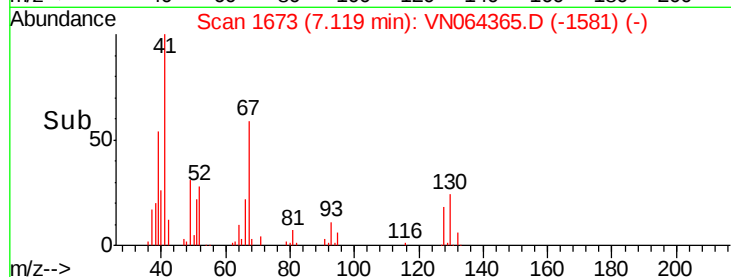
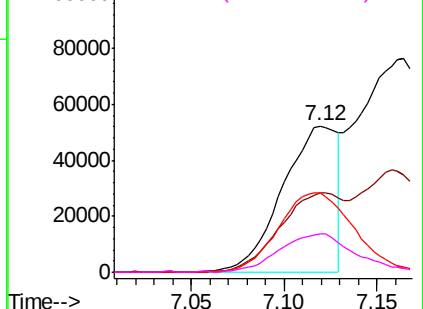
#41
Methacrylonitrile
Concen: 48.884 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion:	41	Resp:	107995
Ion	Ratio	Lower	Upper
41	100		
39	65.7	48.6	72.8
67	75.4	61.4	92.2
52	35.1	27.6	41.4

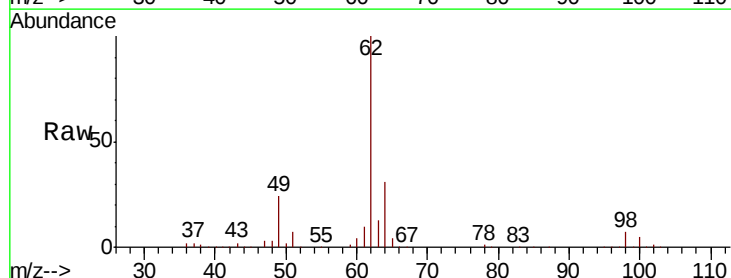


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

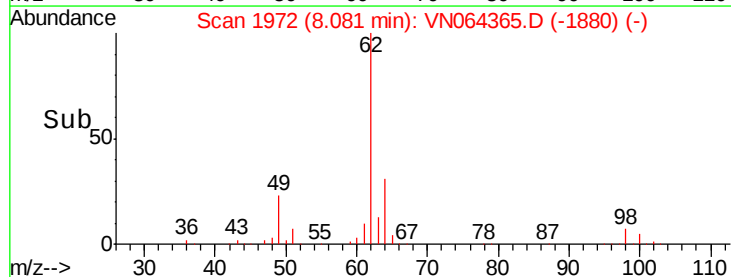
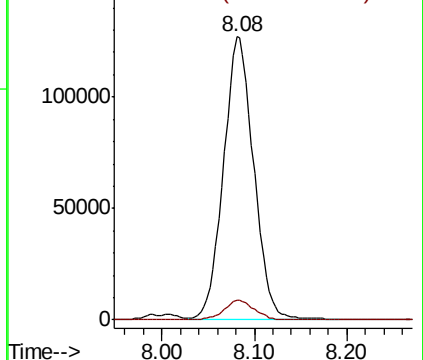


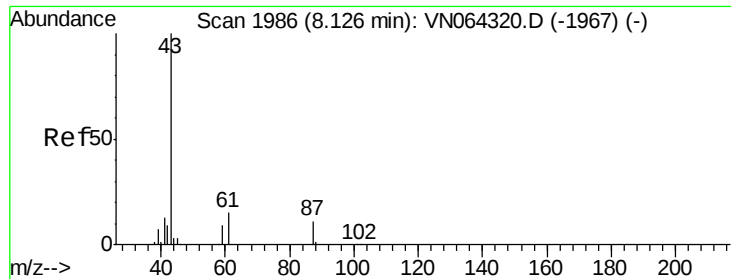
#42
1,2-Dichloroethane
Concen: 53.790 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion:	62	Resp:	284967
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	14.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 54.410 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

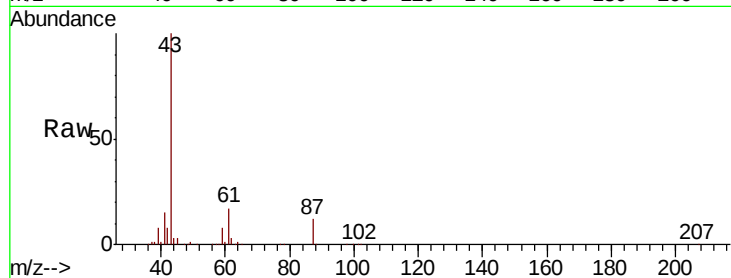
Tot Ion: 43 Resp: 413936

Ion Ratio Lower Upper

43 100

61 23.9 19.1 28.7

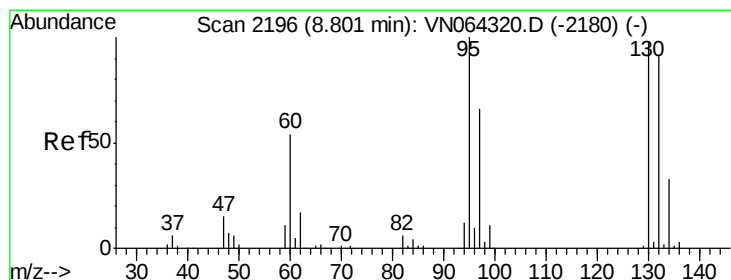
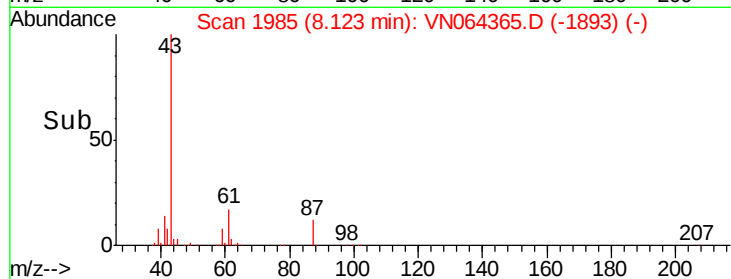
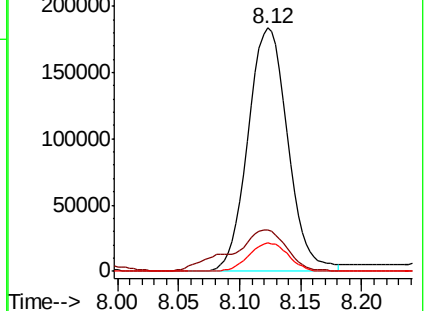
87 11.6 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN064320.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN064320.D (-1967) (-)



#44

Trichloroethene

Concen: 56.180 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064365.D

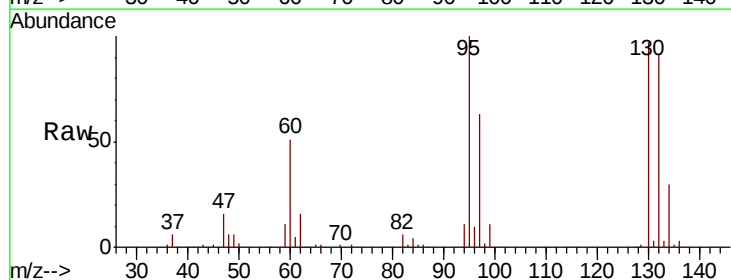
Acq: 29 Oct 2020 10:59

Tgt Ion:130 Resp: 180492

Ion Ratio Lower Upper

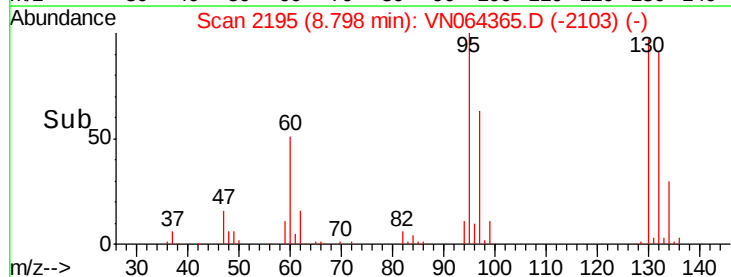
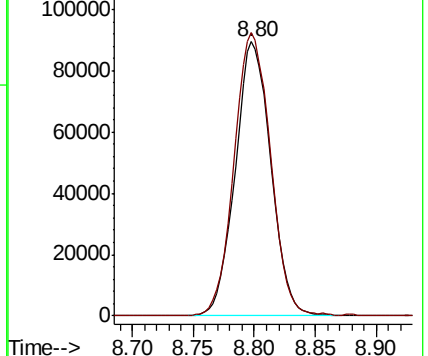
130 100

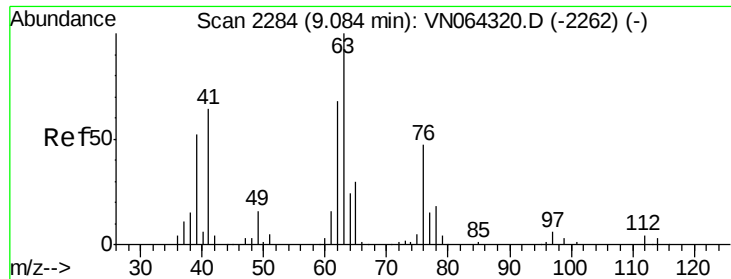
95 103.3 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN064320.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064320.D (-2180) (-)

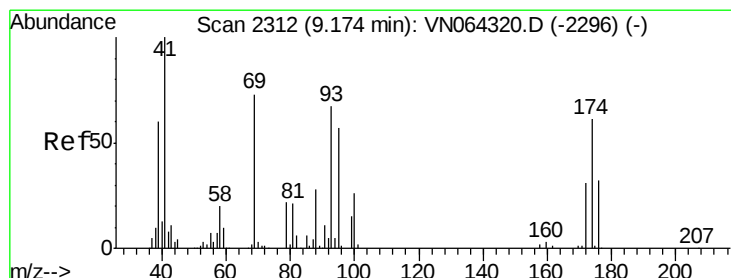
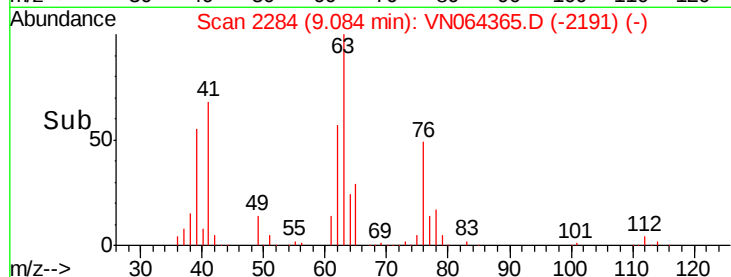
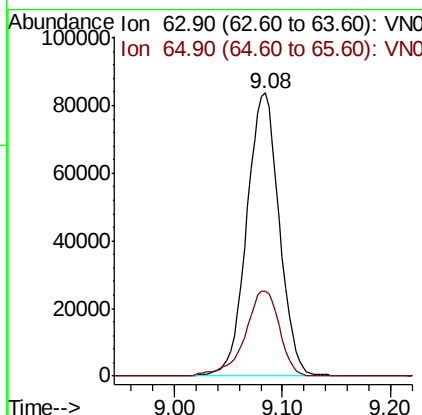
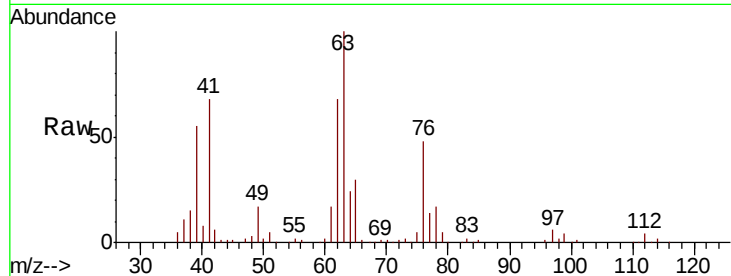




#45
 1,2-Dichloropropane
 Concen: 53.347 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

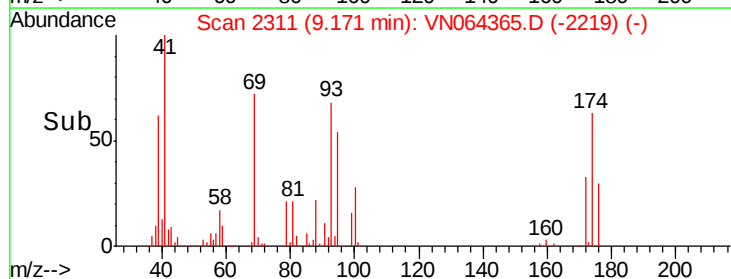
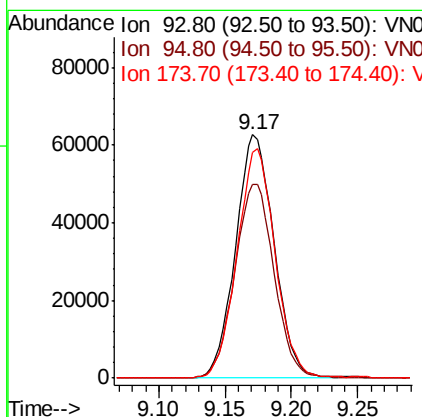
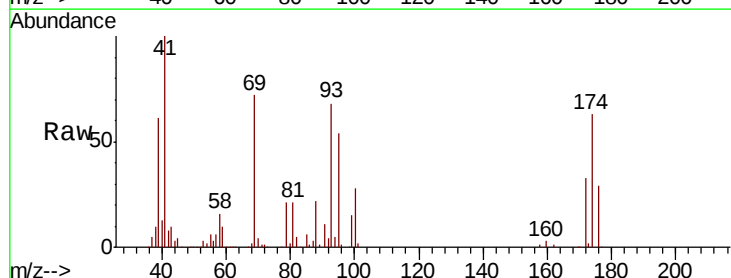
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

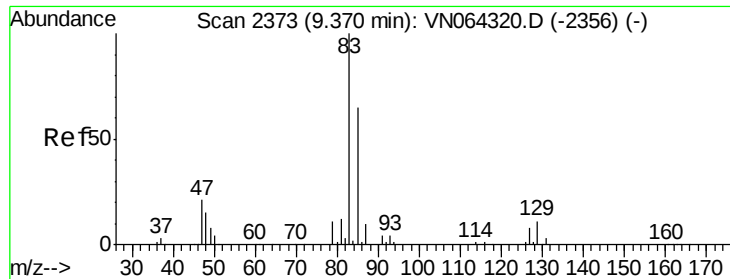
Tot Ion: 63 Resp: 175199
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.3 36.5



#46
 Dibromomethane
 Concen: 55.091 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 93 Resp: 126573
 Ion Ratio Lower Upper
 93 100
 95 81.5 64.4 96.6
 174 93.0 71.4 107.0





#47

Bromodichloromethane

Concen: 52.788 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

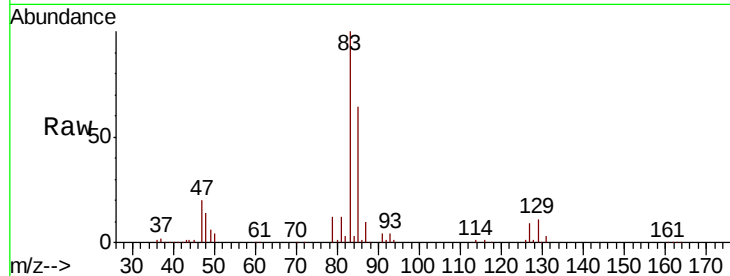
Tot Ion: 83 Resp: 268778

Ion Ratio Lower Upper

83 100

85 63.9 52.1 78.1

127 9.3 6.7 10.1

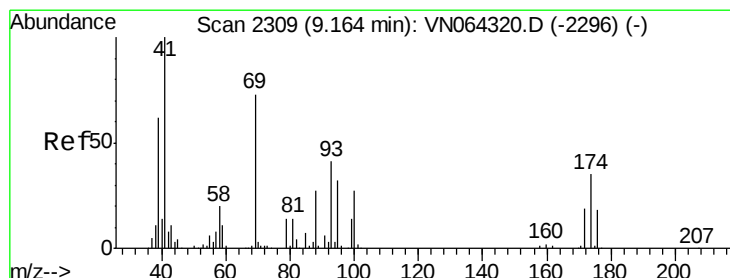
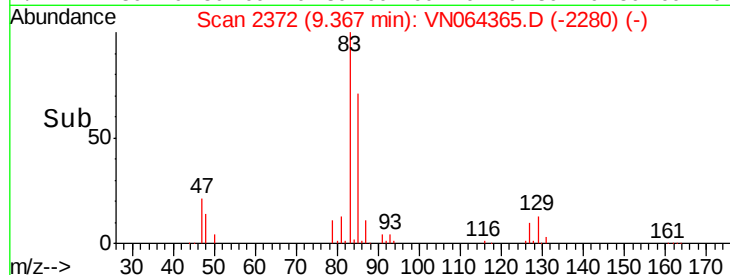


Abundance Ion 82.90 (82.60 to 83.60): VN064320.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064320.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064320.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 52.533 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

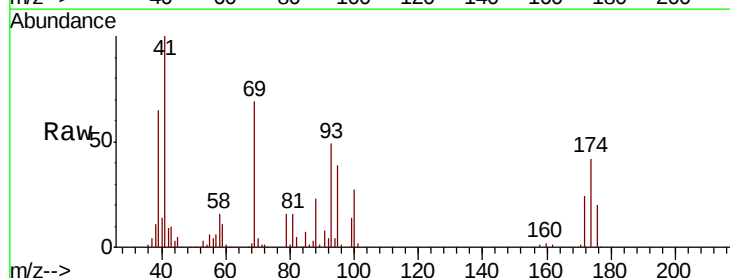
Tgt Ion: 41 Resp: 206196

Ion Ratio Lower Upper

41 100

69 71.1 59.1 88.7

39 63.1 51.3 76.9

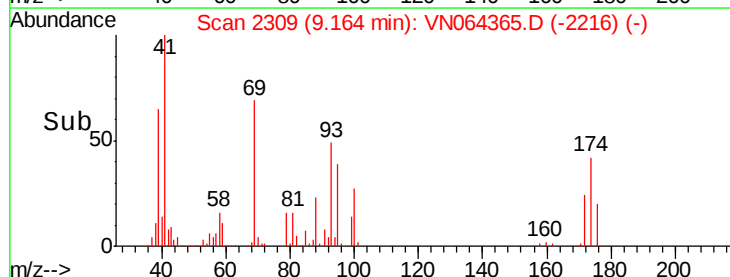


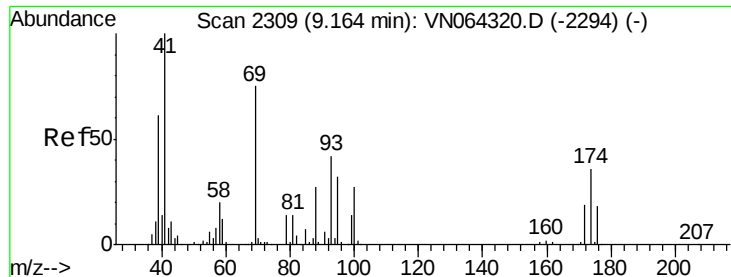
Abundance Ion 41.00 (40.70 to 41.70): VN064320.D (-2296) (-)

Ion 69.00 (68.70 to 69.70): VN064320.D (-2296) (-)

Ion 39.00 (38.70 to 39.70): VN064320.D (-2296) (-)

Time-->

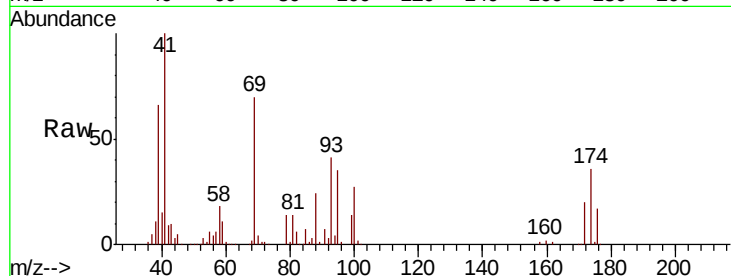




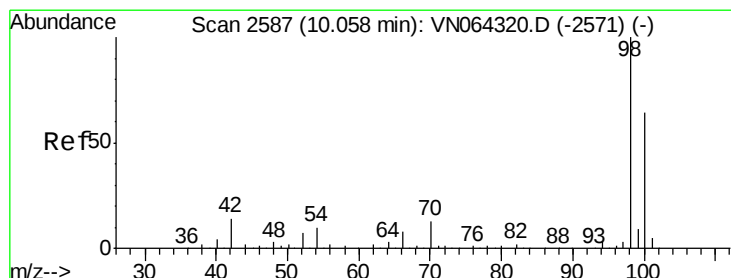
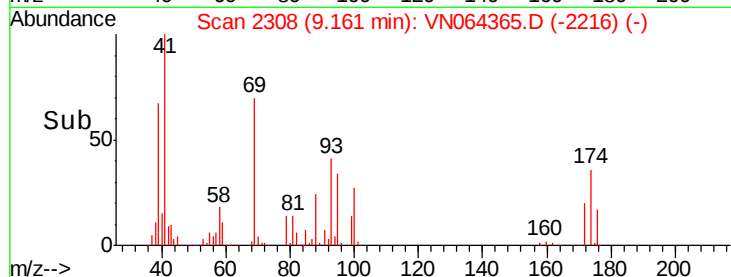
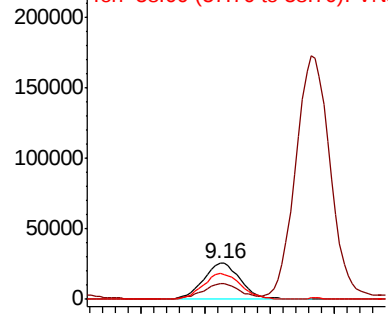
#49
1,4-Dioxane
Concen: 899.067 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 88 Resp: 52014
Ion Ratio Lower Upper
88 100
43 40.4 31.8 47.8
58 71.3 60.3 90.5

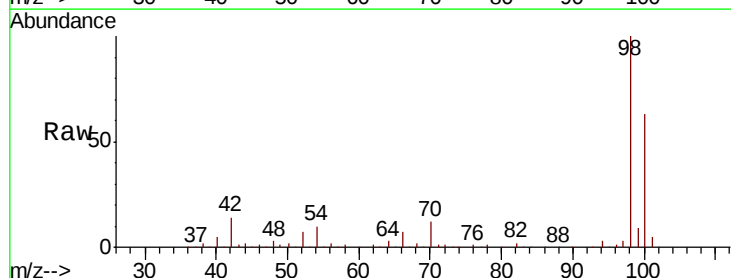


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

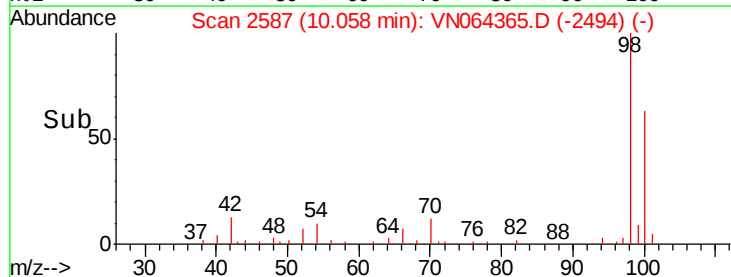
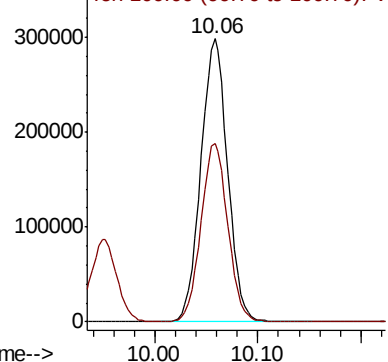


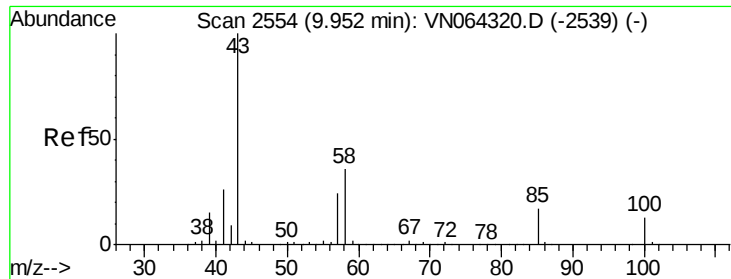
#50
Toluene-d8
Concen: 50.116 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 98 Resp: 539688
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 260.285 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

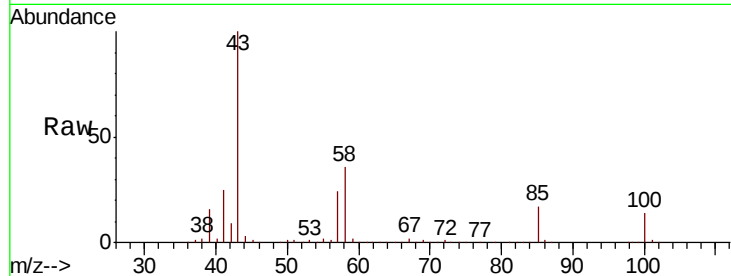
BFB

Tot Ion: 43 Resp: 1151042

Ion Ratio Lower Upper

43 100

58 35.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.95

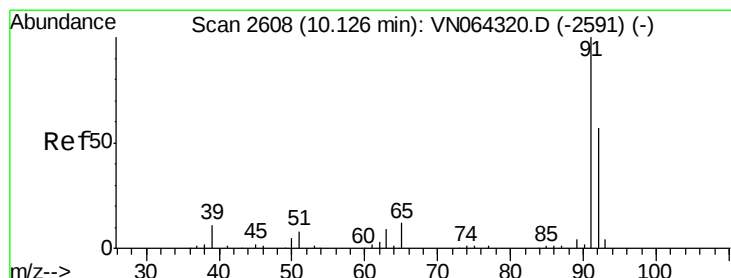
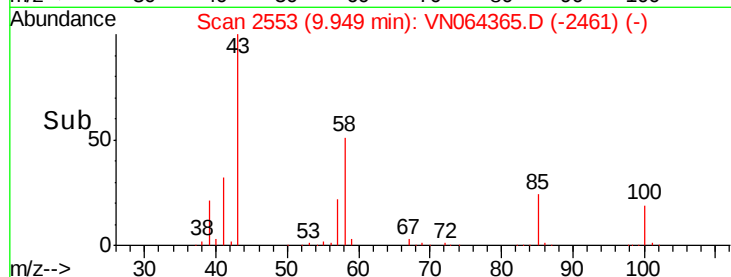
600000

400000

200000

0

Time--> 9.80 9.90 10.00



#52

Toluene

Concen: 53.372 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064365.D

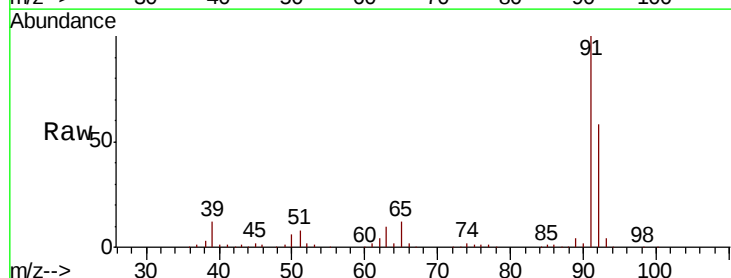
Acq: 29 Oct 2020 10:59

Tgt Ion: 92 Resp: 413043

Ion Ratio Lower Upper

92 100

91 173.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN064320.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064320.D (-2591) (-)

10.12

400000

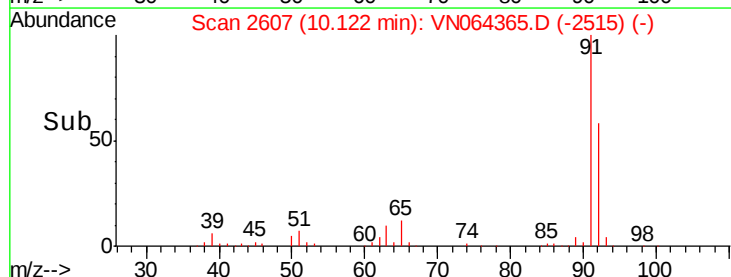
300000

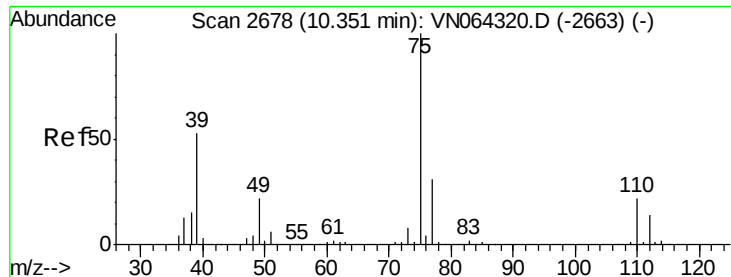
200000

100000

0

Time--> 10.10 10.20

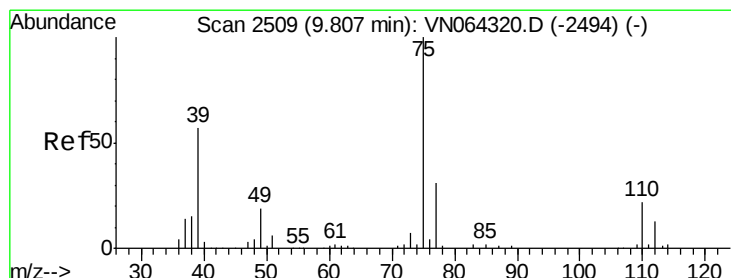
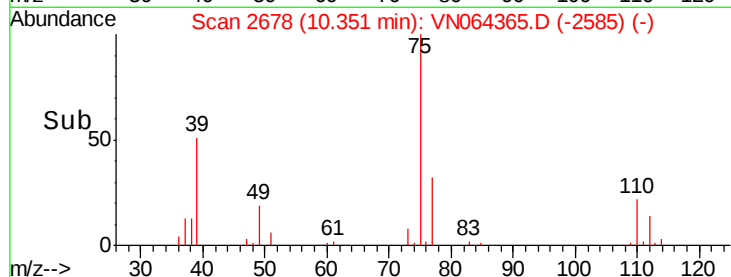
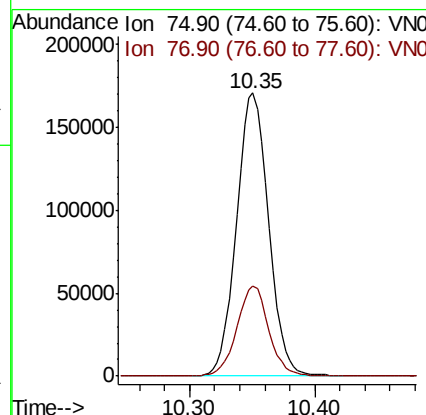
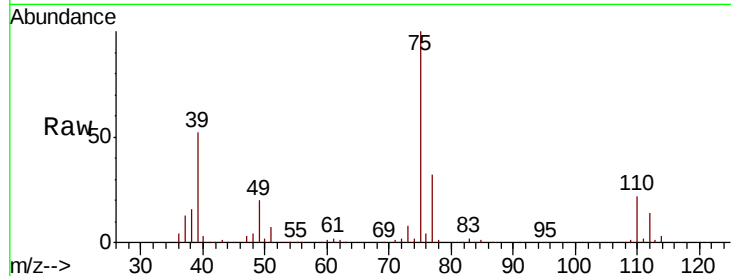




#53
 t-1,3-Dichloropropene
 Concen: 56.456 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

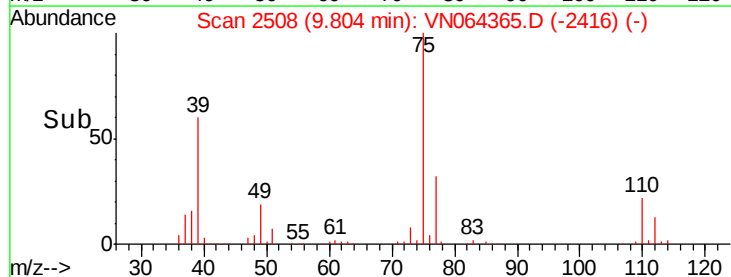
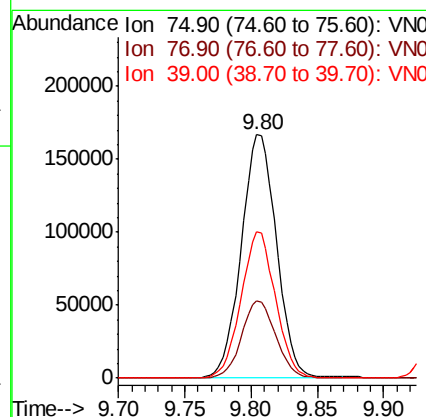
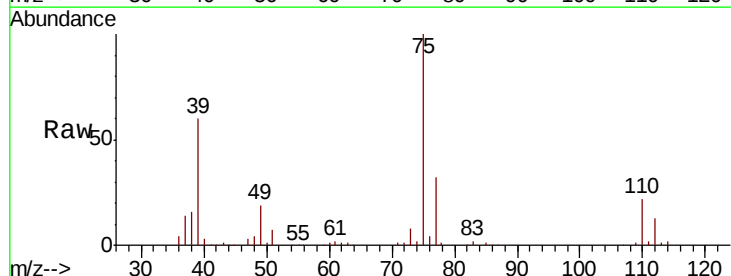
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

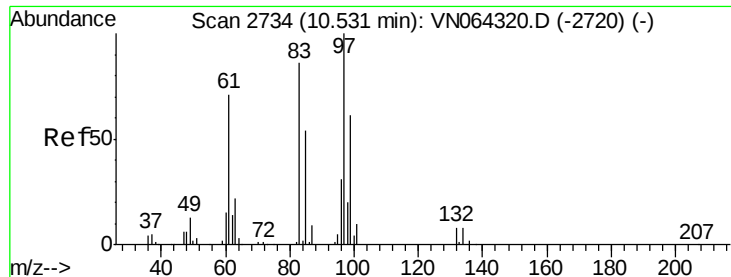
Tot Ion: 75 Resp: 303941
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 55.655 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 75 Resp: 308436
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.4
 39 60.2 45.5 68.3





#55

1,1,2-Trichloroethane

Concen: 54.612 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

Tot Ion: 97 Resp: 166829

Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.9	103.3
85	54.1	43.6	65.4
99	62.4	49.2	73.8

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.53

Time-->

10.45 10.50 10.55 10.60

100000

50000

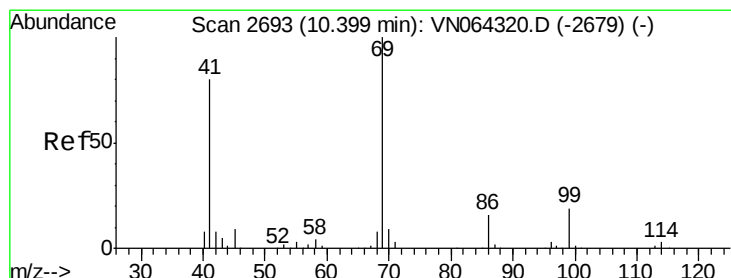
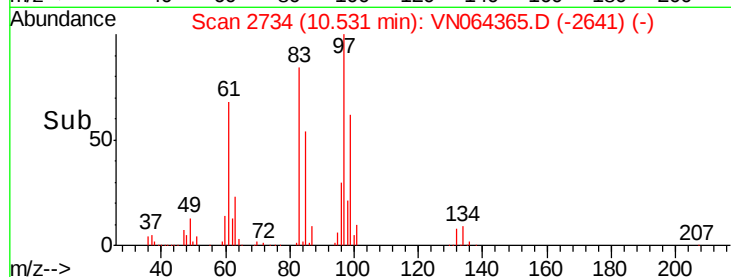
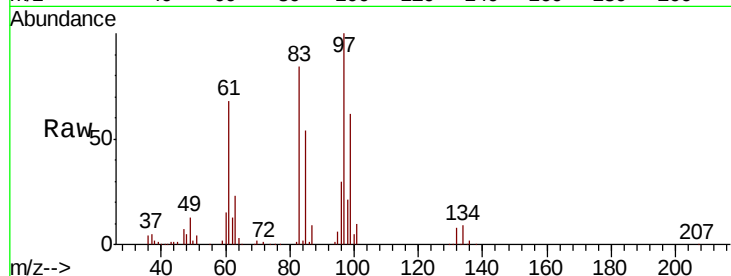
0

10.45 10.50 10.55 10.60

10.53

Time-->

10.45 10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 55.863 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion: 69 Resp: 258327

Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.4	92.2
39	44.5	36.5	54.7

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.40

Time-->

10.30 10.40 10.50

200000

150000

100000

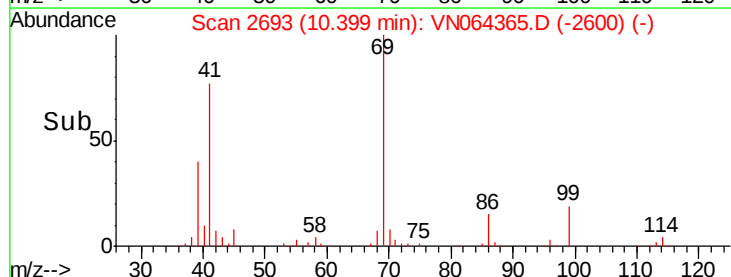
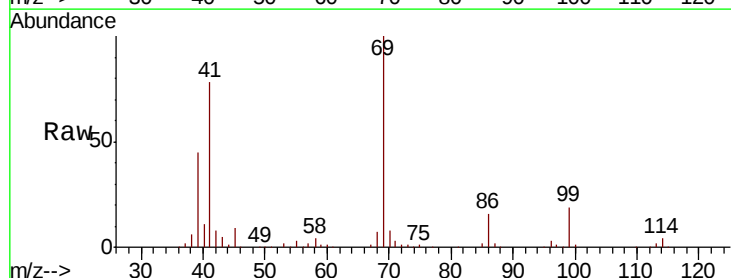
50000

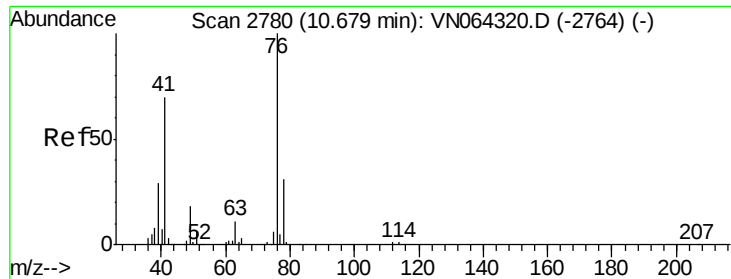
0

10.30 10.40 10.50

Time-->

10.30 10.40 10.50





#57

1,3-Dichloropropane

Concen: 55.078 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

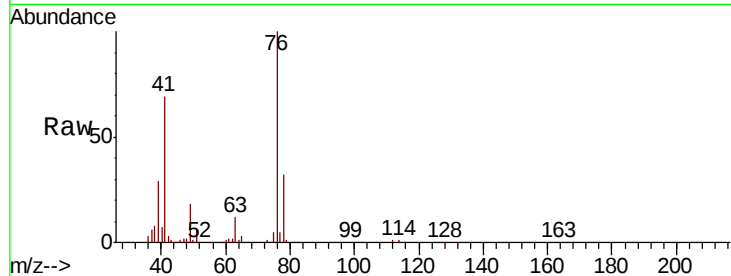
BFB

Tot Ion: 76 Resp: 287008

Ion Ratio Lower Upper

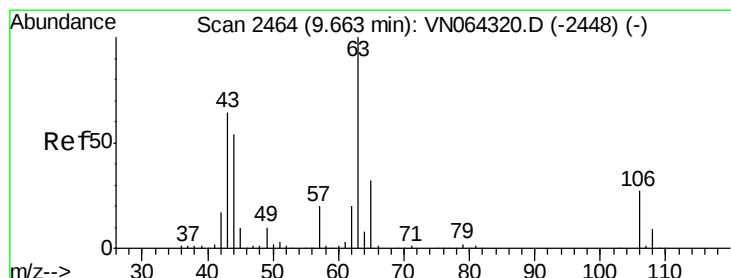
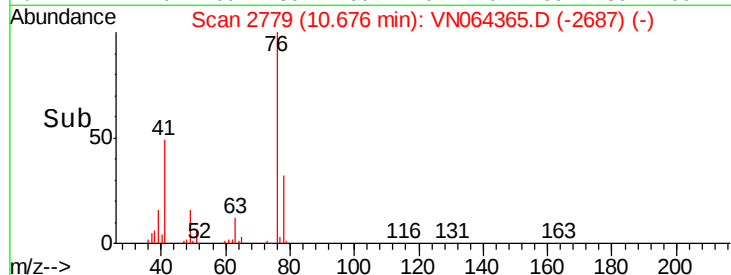
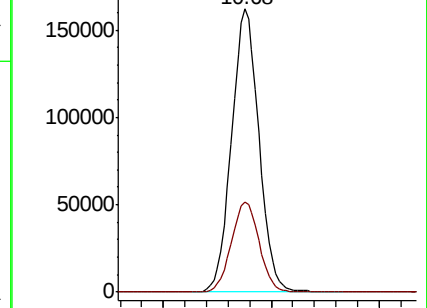
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 231.643 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064365.D

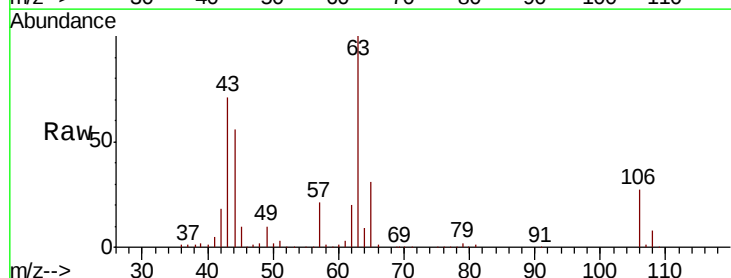
Acq: 29 Oct 2020 10:59

Tgt Ion: 63 Resp: 584531

Ion Ratio Lower Upper

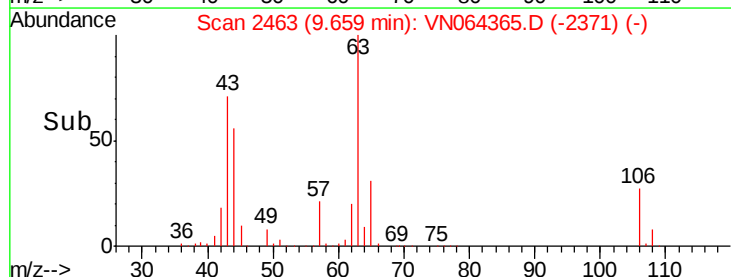
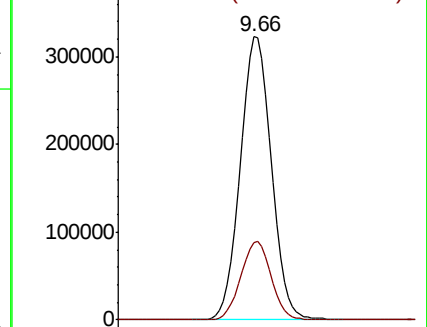
63 100

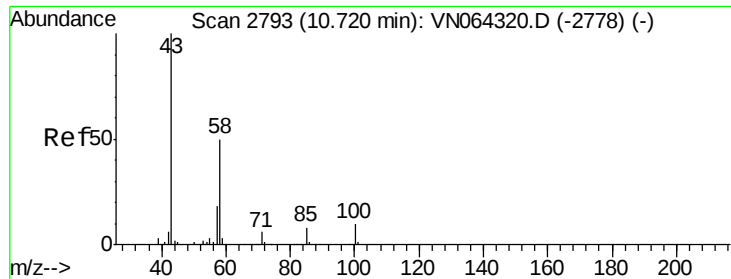
106 27.1 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

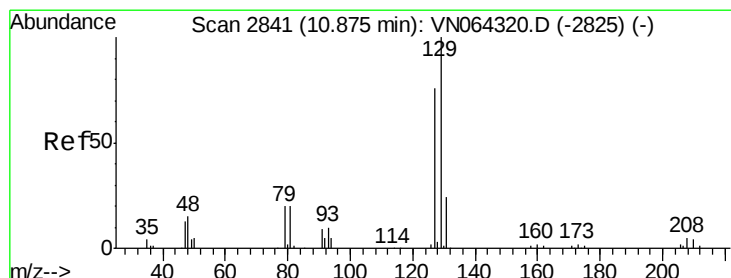
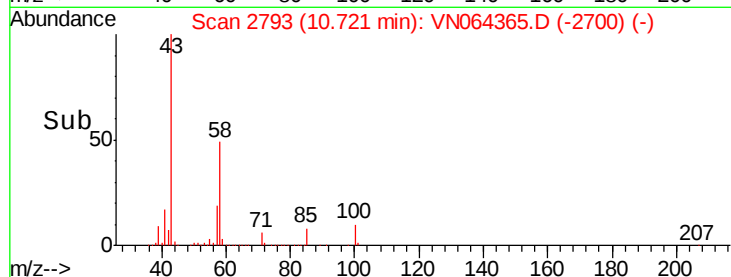
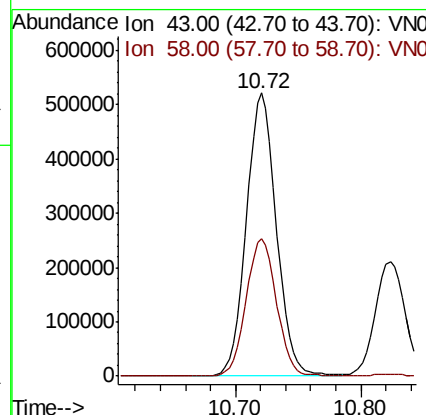
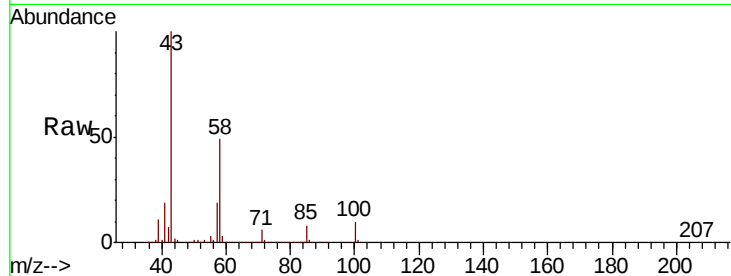




#59
2-Hexanone
Concen: 265.328 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

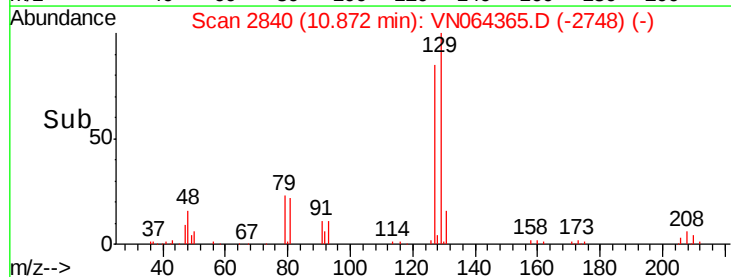
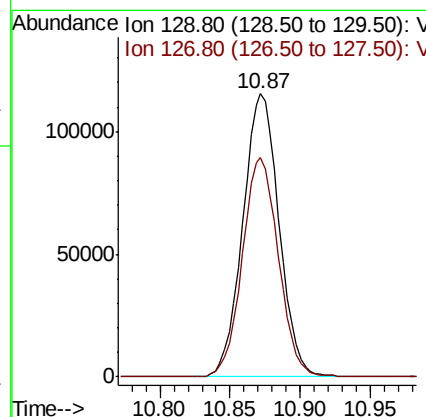
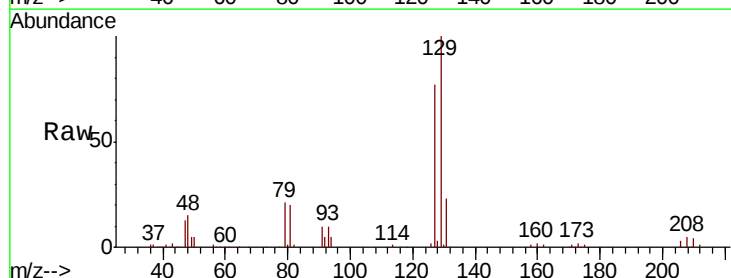
Instrument :
MSVOA_N
ClientSampled :
BFB

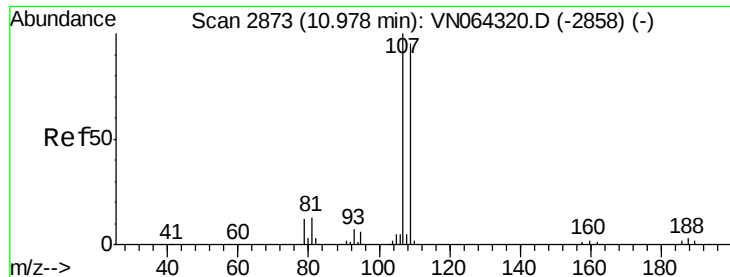
Tot Ion: 43 Resp: 864167
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0



#60
Dibromochloromethane
Concen: 57.472 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 129 Resp: 207580
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3

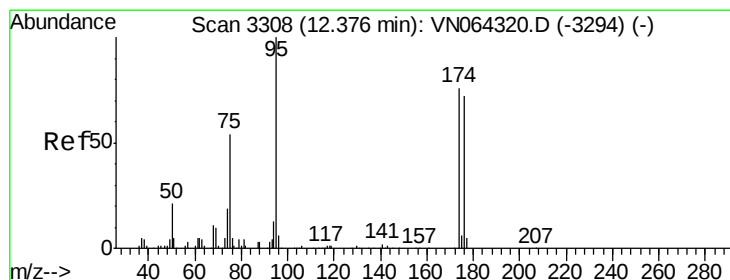
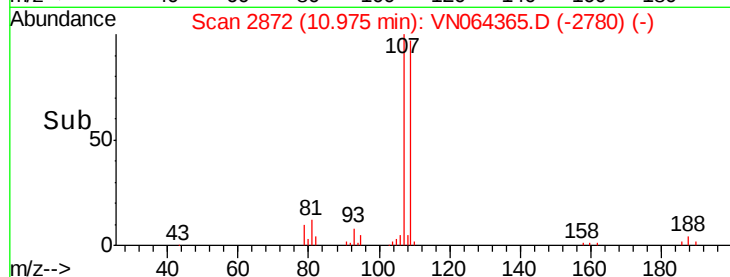
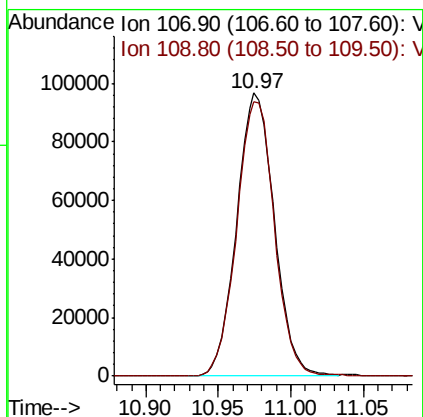
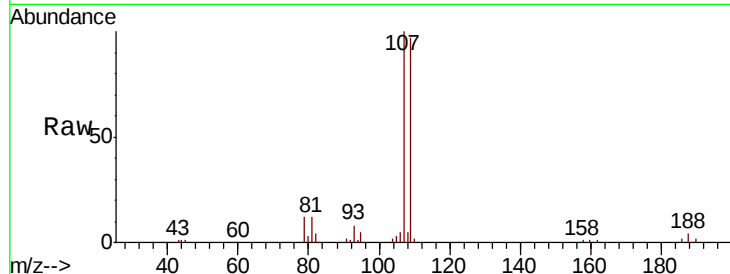




#61
 1,2-Dibromoethane
 Concen: 56.028 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

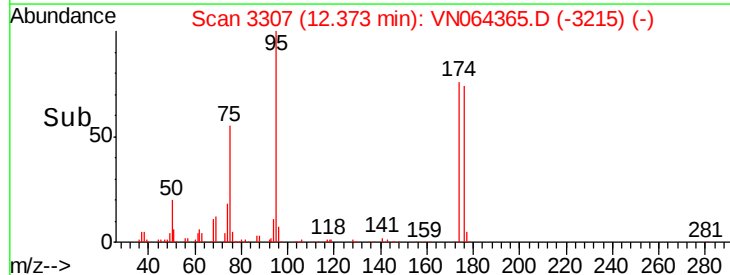
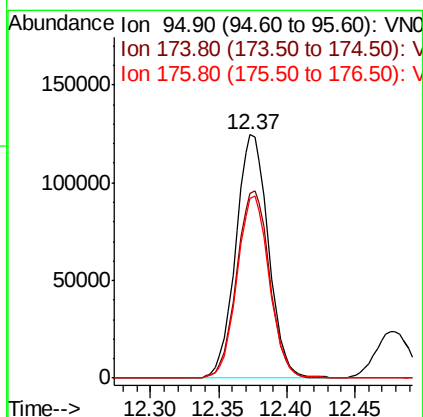
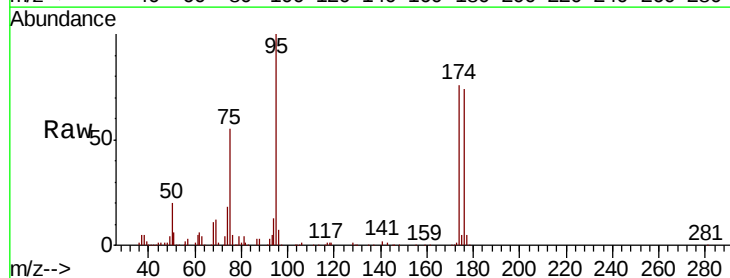
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

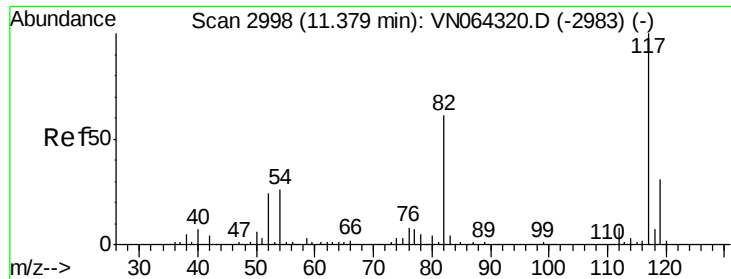
Tot Ion: 107 Resp: 174394
 Ion Ratio Lower Upper
 107 100
 109 97.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.365 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 95 Resp: 207267
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 147.4
 176 74.0 0.0 143.6

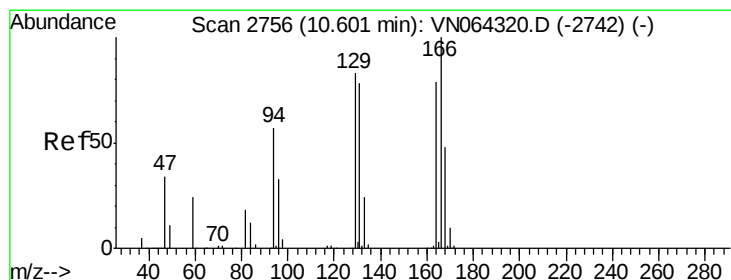
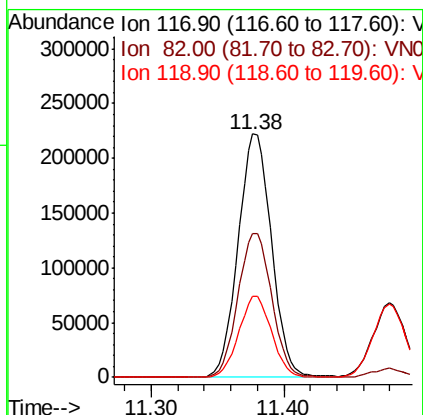
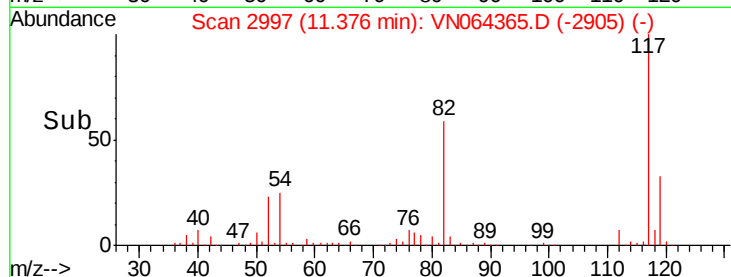
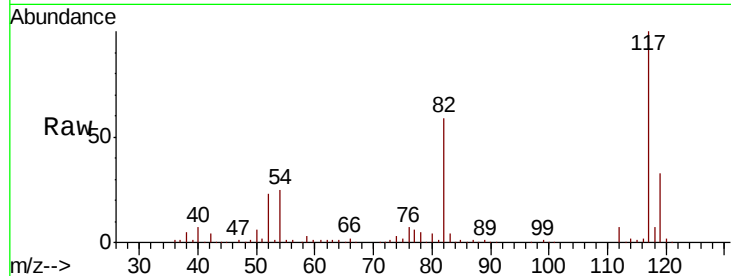




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

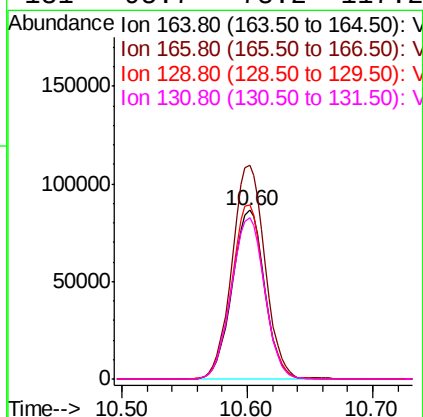
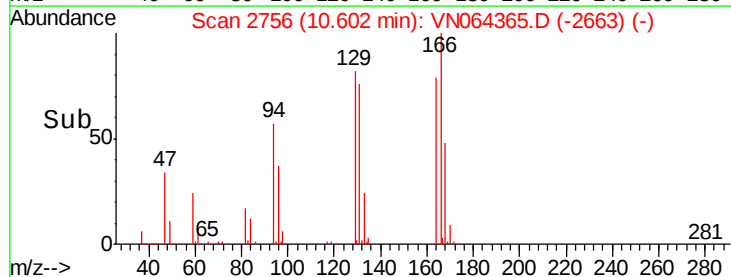
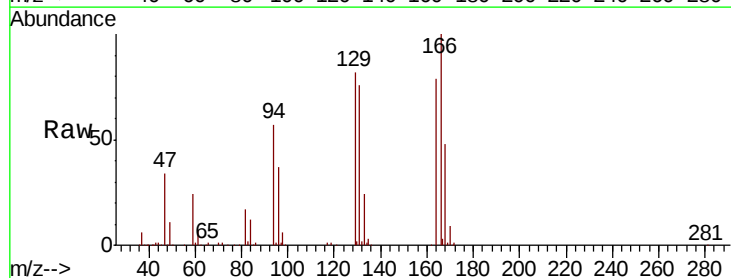
Instrument :
MSVOA_N
ClientSampleId :
BFB

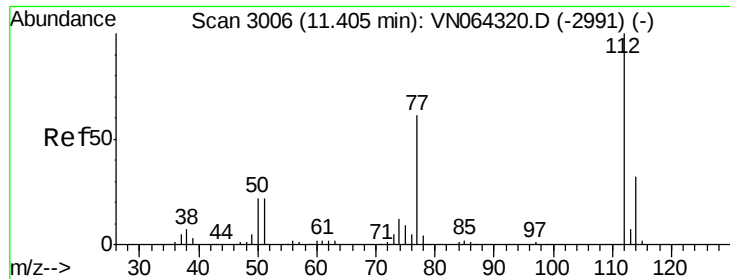
Tot Ion:117 Resp: 389442
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 33.3 25.1 37.7



#64
Tetrachloroethene
Concen: 48.794 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion:164 Resp: 156180
Ion Ratio Lower Upper
164 100
166 126.4 100.7 151.1
129 103.2 83.7 125.5
131 95.7 78.2 117.2

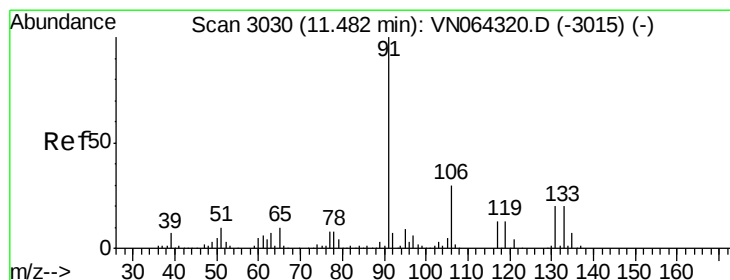
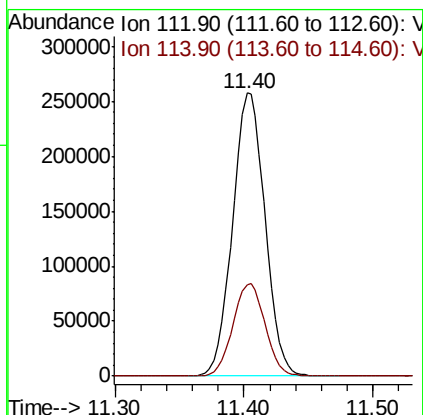
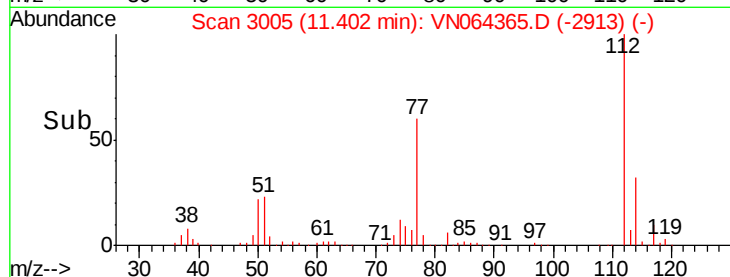
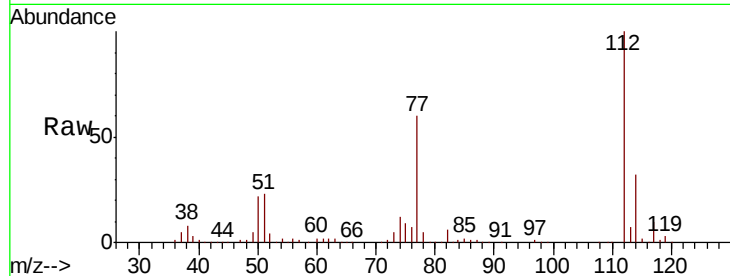




#65
Chlorobenzene
Concen: 56.977 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

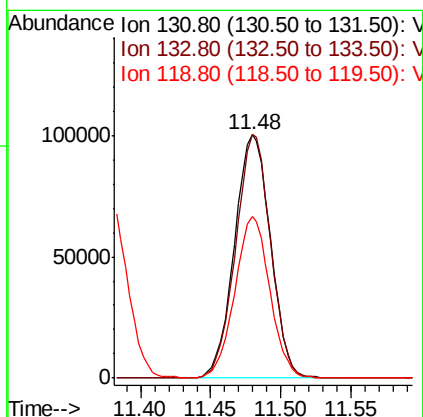
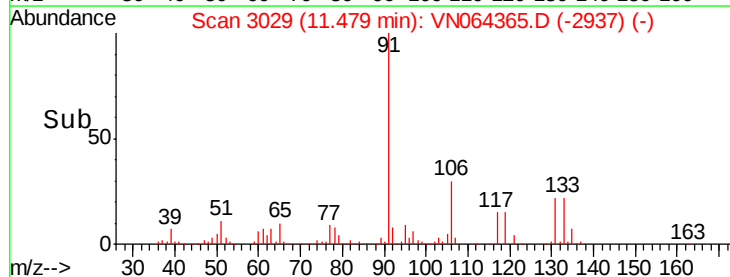
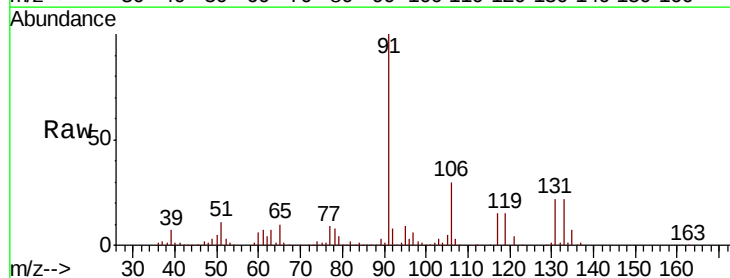
Instrument :
MSVOA_N
ClientSampled :
BFB

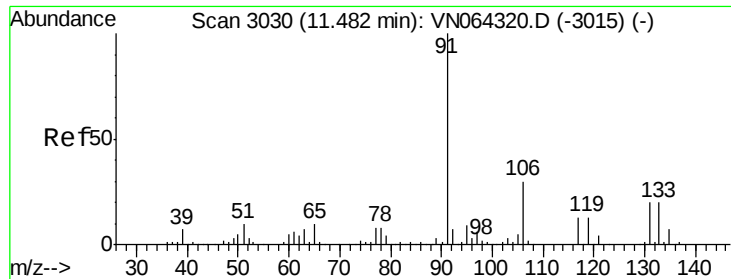
Tot Ion:112 Resp: 449850
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.278 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion:131 Resp: 179591
Ion Ratio Lower Upper
131 100
133 97.0 49.3 147.8
119 64.5 32.3 96.9

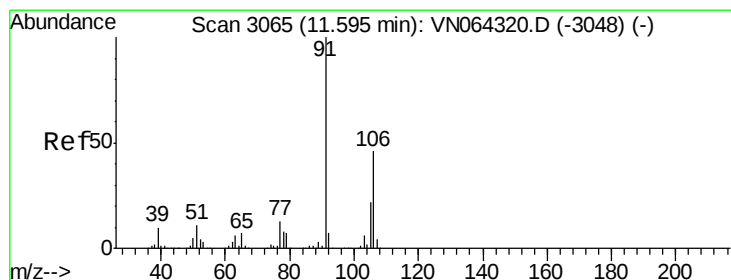
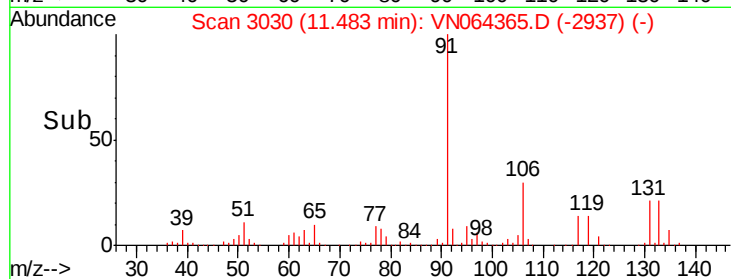
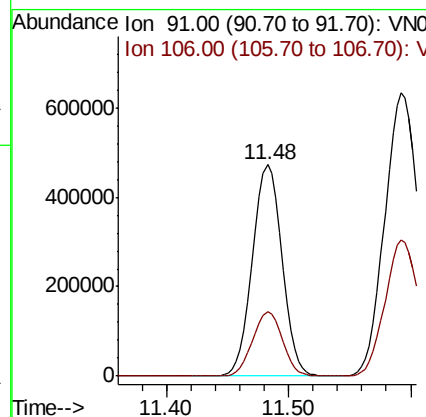
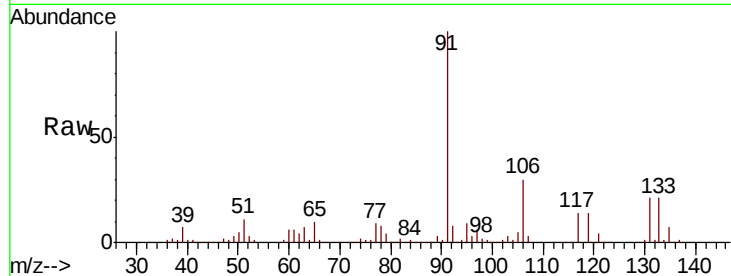




#67
Ethyl Benzene
Concen: 53.844 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

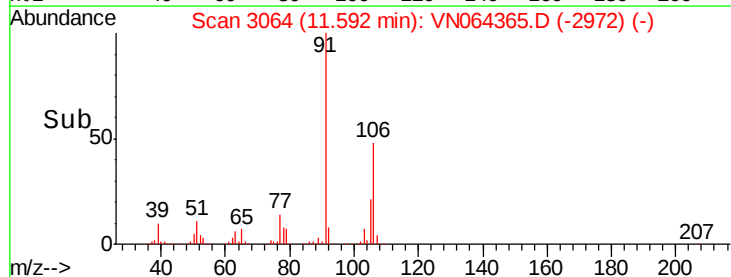
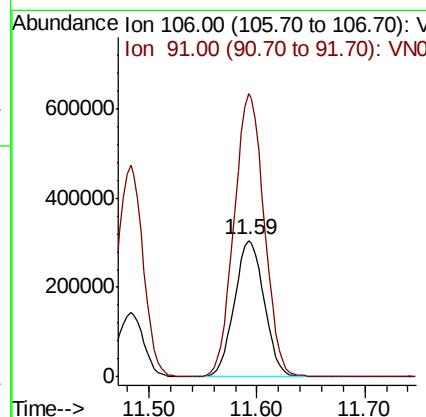
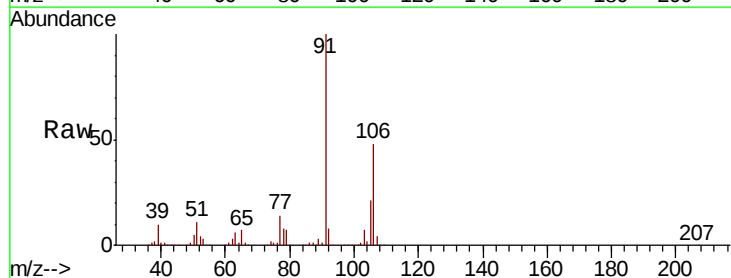
Instrument :
MSVOA_N
ClientSampled :
BFB

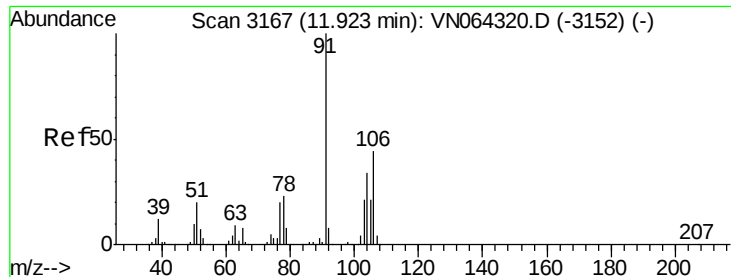
Tot Ion: 91 Resp: 790353
Ion Ratio Lower Upper
91 100
106 30.5 23.7 35.5



#68
m/p-Xylenes
Concen: 107.914 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion: 106 Resp: 587021
Ion Ratio Lower Upper
106 100
91 209.9 170.2 255.4

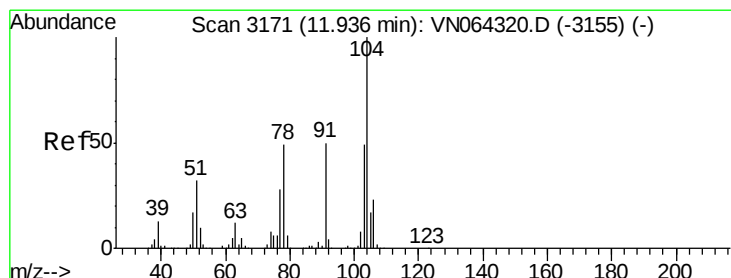
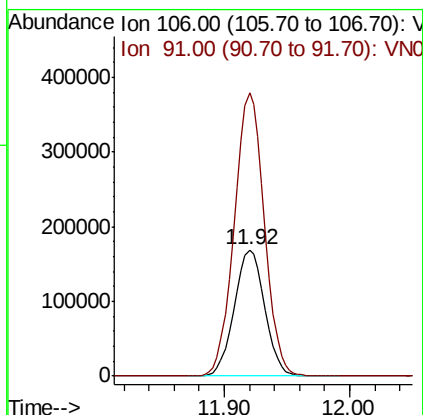
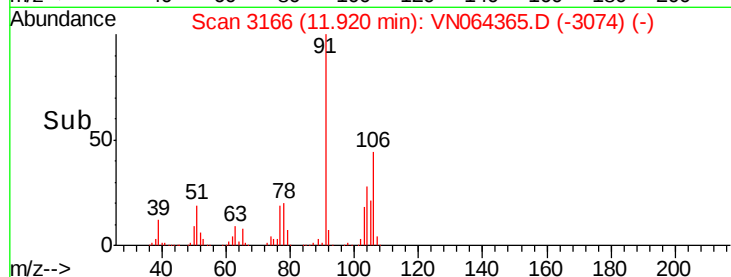
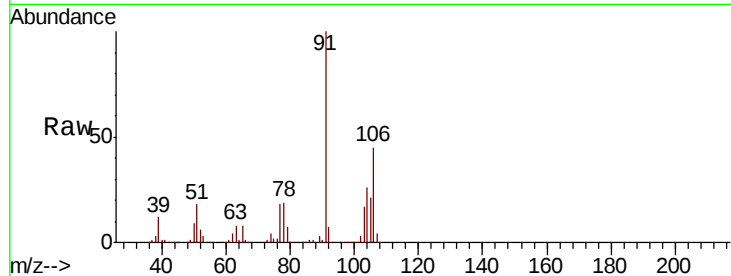




#69
o-Xylene
Concen: 54.288 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

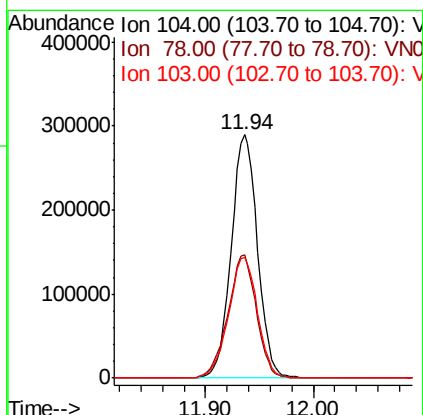
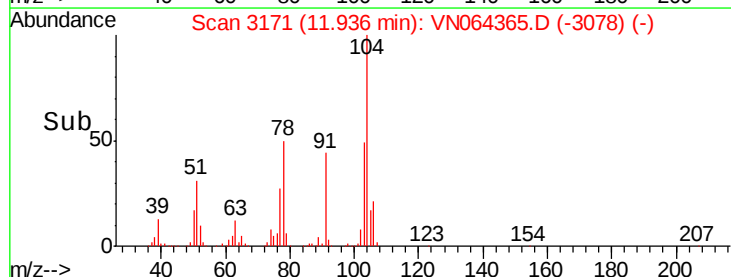
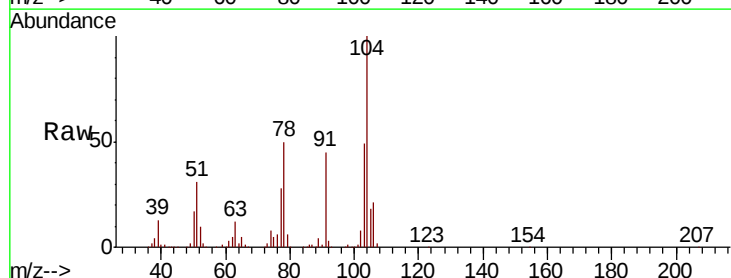
Instrument :
MSVOA_N
ClientSampled :
BFB

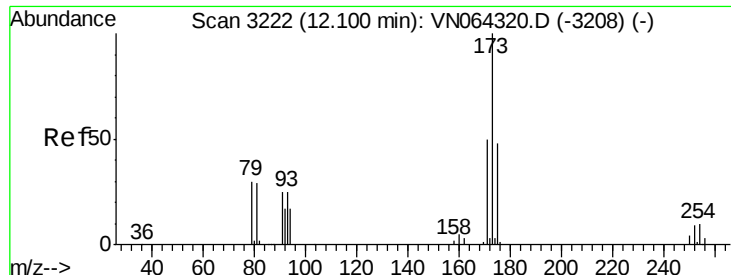
Tot Ion:106 Resp: 284506
Ion Ratio Lower Upper
106 100
91 221.3 114.5 343.5



#70
Styrene
Concen: 57.384 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064365.D
Acq: 29 Oct 2020 10:59

Tgt Ion:104 Resp: 493078
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 54.7 43.3 64.9





#71

Bromoform

Concen: 56.538 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

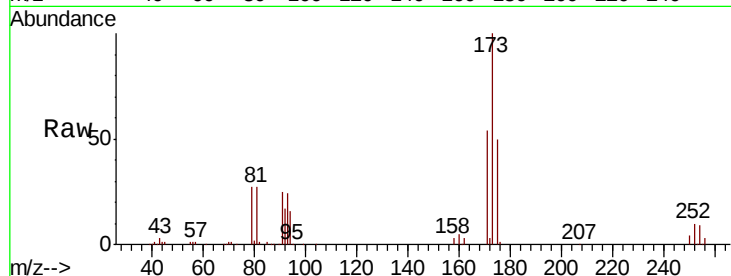
Tot Ion:173 Resp: 141603

Ion Ratio Lower Upper

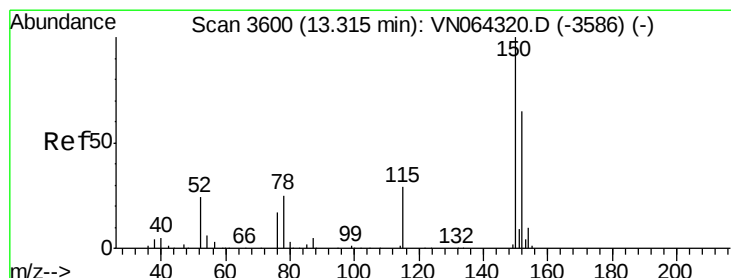
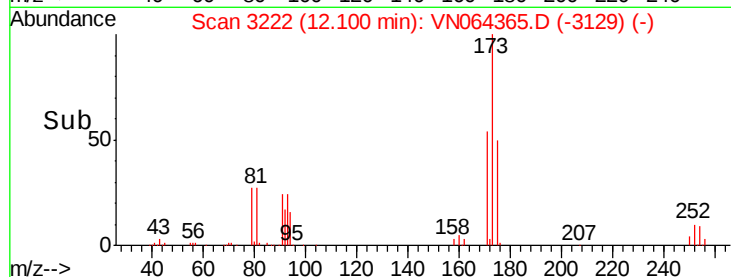
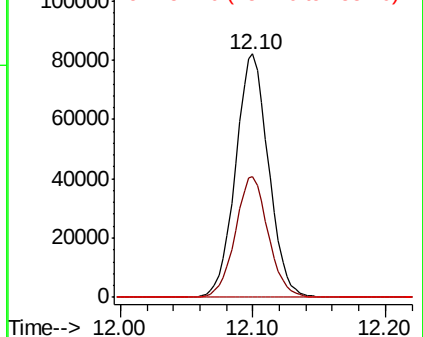
173 100

175 49.3 25.4 76.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

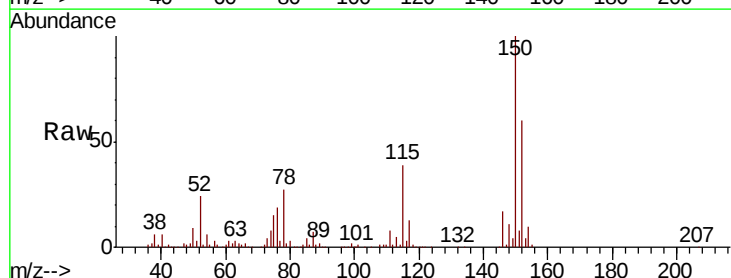
Tgt Ion:152 Resp: 170917

Ion Ratio Lower Upper

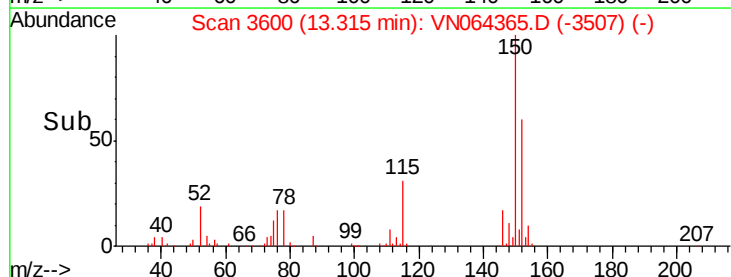
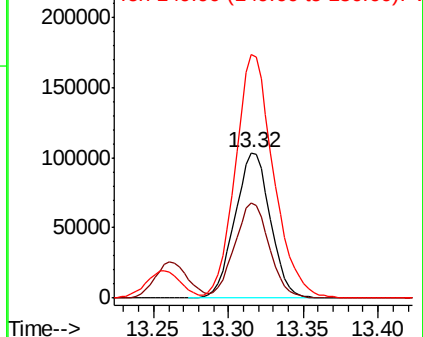
152 100

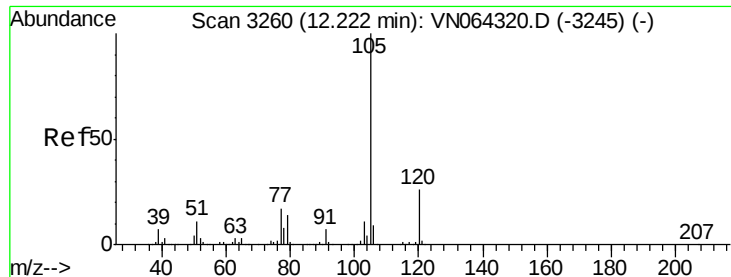
115 64.1 31.5 94.5

150 179.0 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.005 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

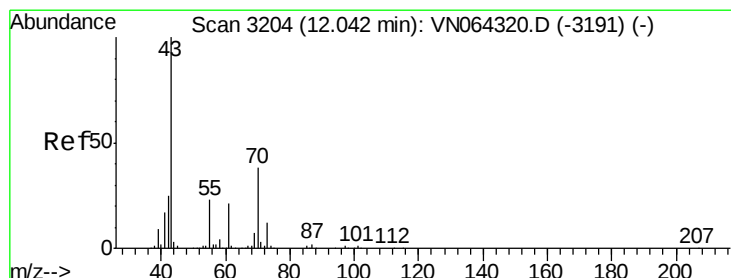
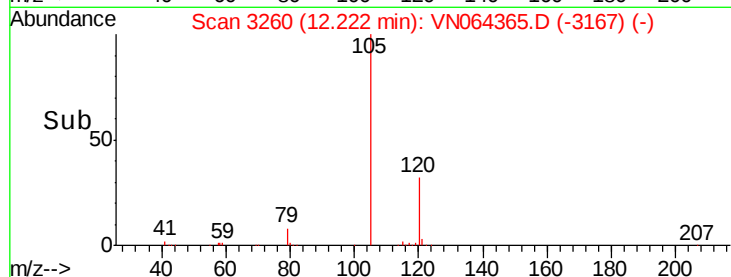
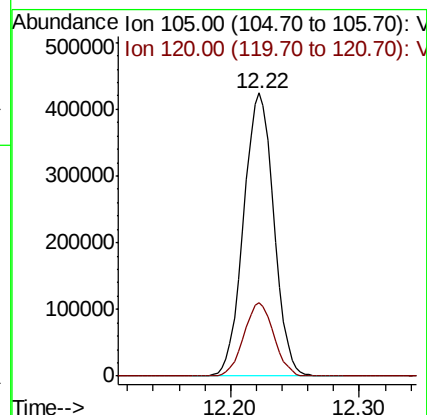
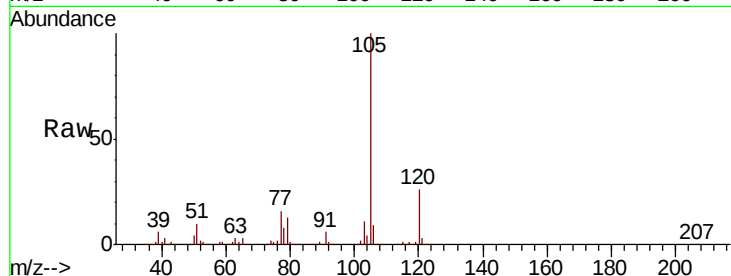
BFB

Tot Ion:105 Resp: 691323

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.5



#74

N-ethyl acetate

Concen: 64.037 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Tgt Ion: 43 Resp: 360822

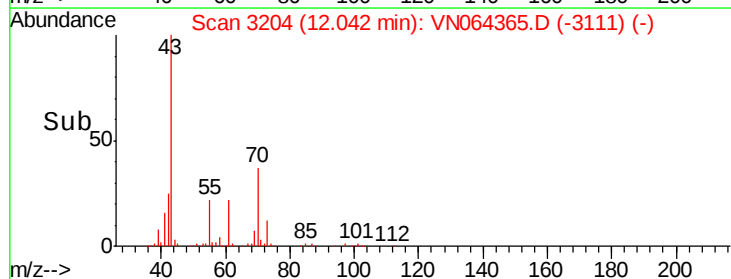
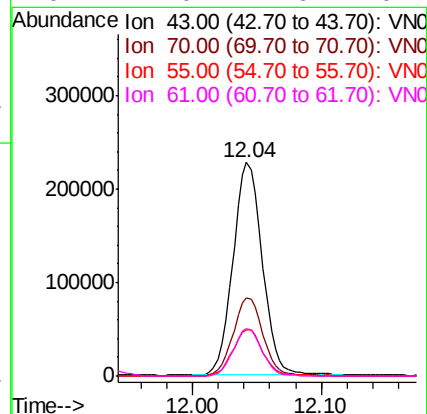
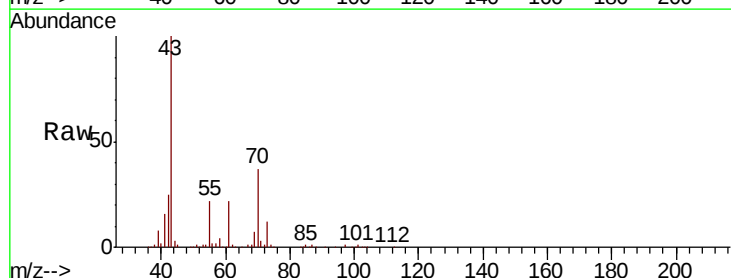
Ion Ratio Lower Upper

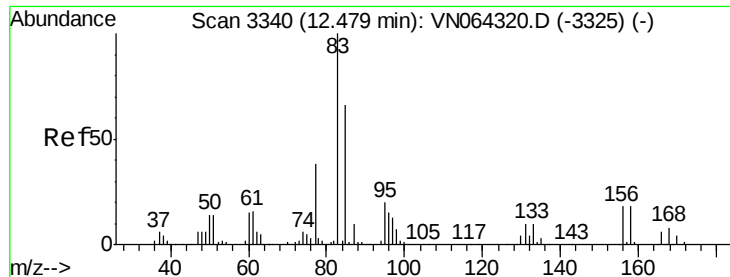
43 100

70 37.6 30.6 45.8

55 22.0 18.2 27.4

61 22.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 59.462 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

BFB

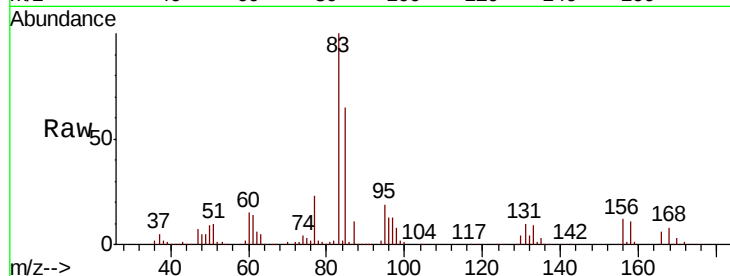
Tot Ion: 83 Resp: 221256

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

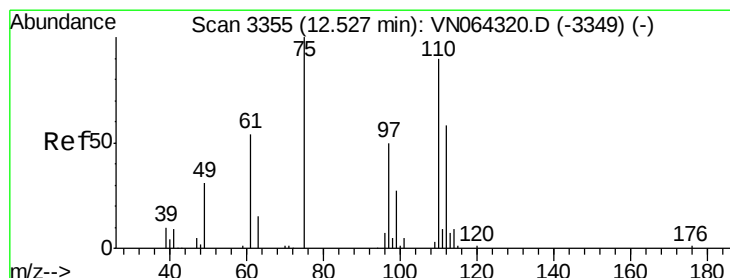
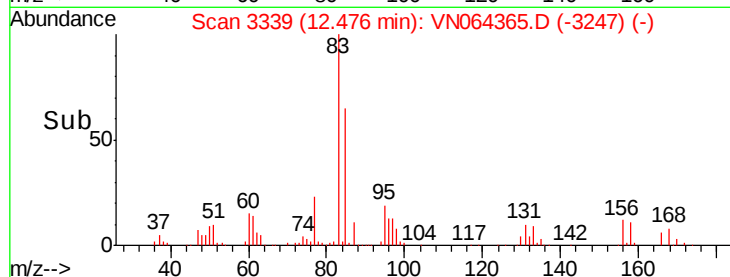
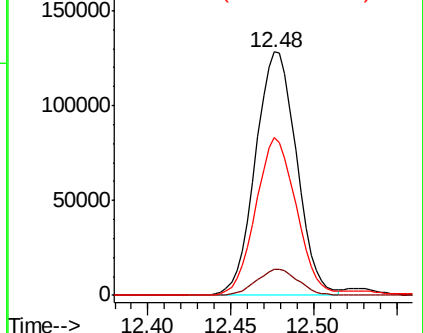
85 64.0 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN064320.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064320.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064320.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 80.498 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064365.D

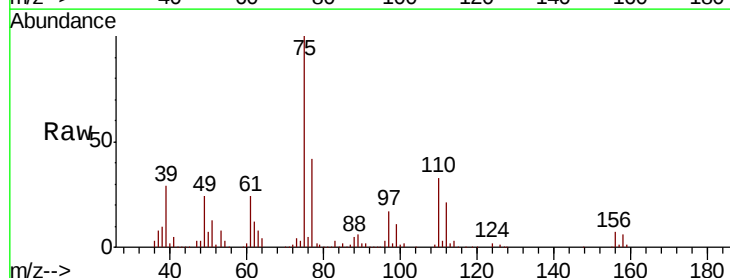
Acq: 29 Oct 2020 10:59

Tgt Ion: 75 Resp: 329478

Ion Ratio Lower Upper

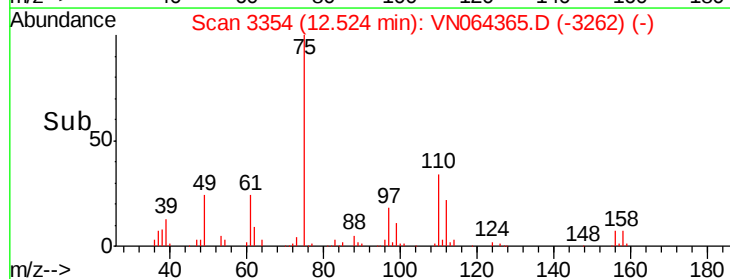
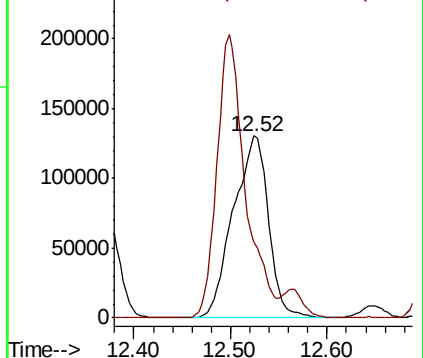
75 100

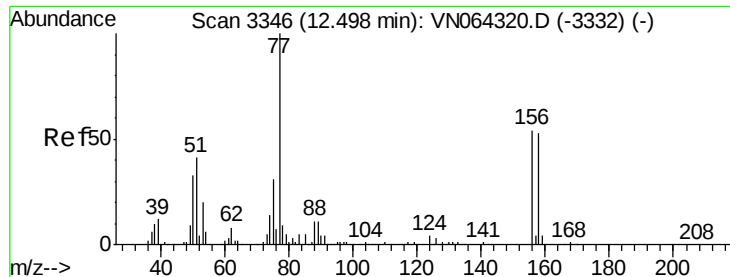
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064320.D (-3349) (-)





#77

Bromobenzene

Concen: 61.041 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

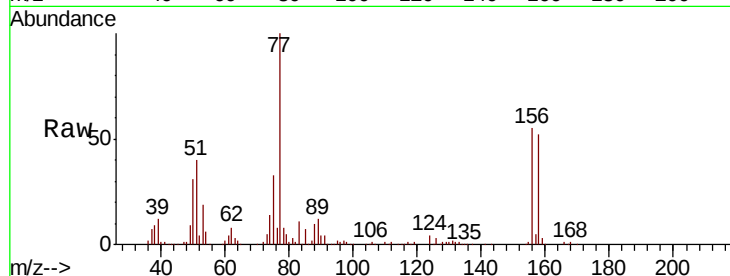
Tot Ion:156 Resp: 191342

Ion Ratio Lower Upper

156 100

77 217.1 111.9 335.7

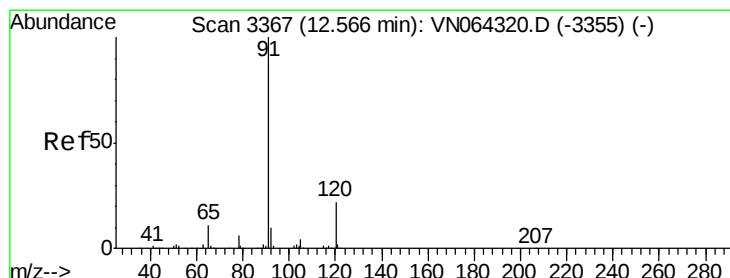
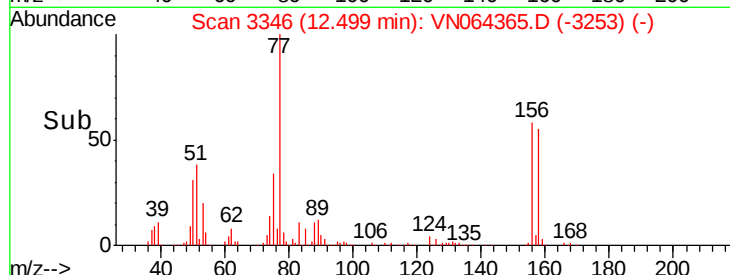
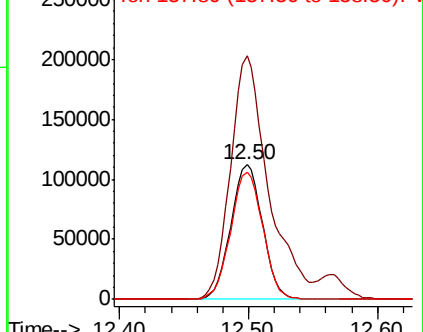
158 95.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.993 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064365.D

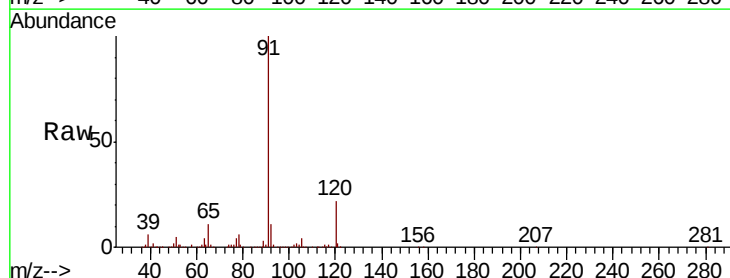
Acq: 29 Oct 2020 10:59

Tgt Ion: 91 Resp: 753525

Ion Ratio Lower Upper

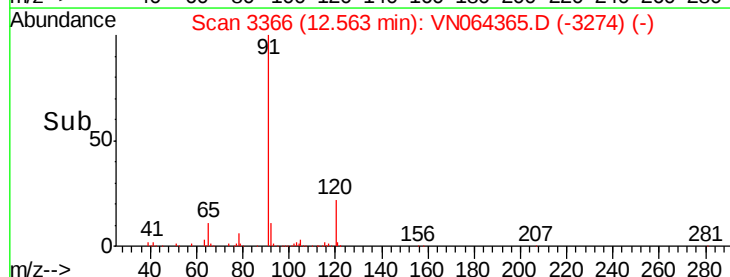
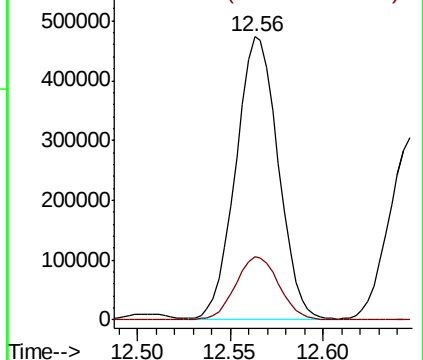
91 100

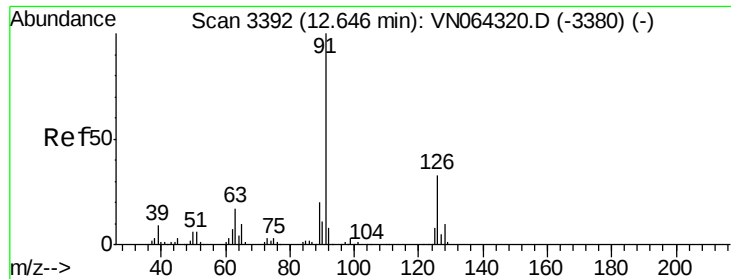
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

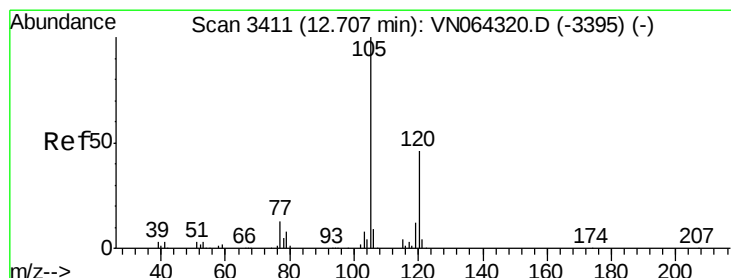
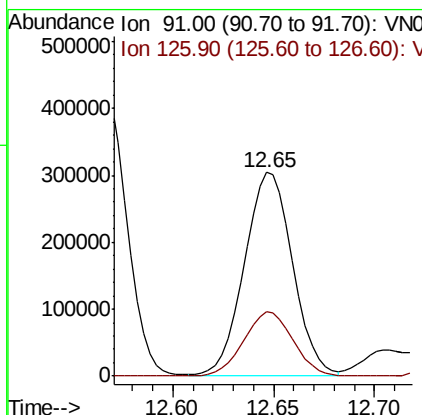
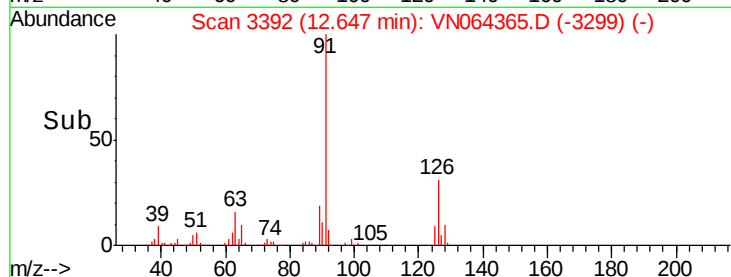
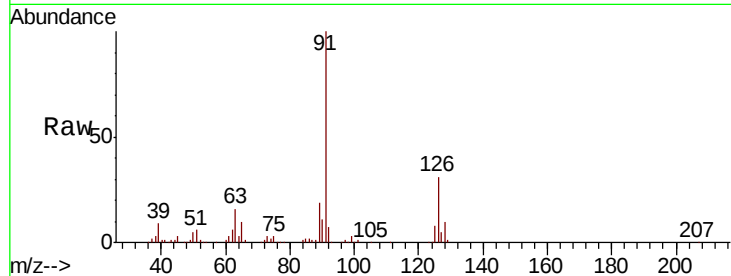




#79
 2-Chlorotoluene
 Concen: 54.752 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

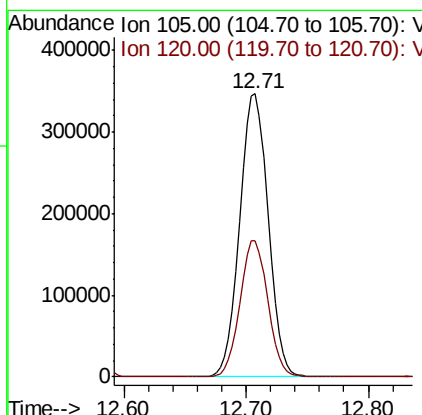
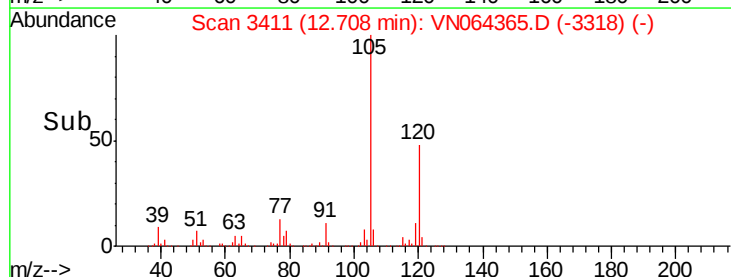
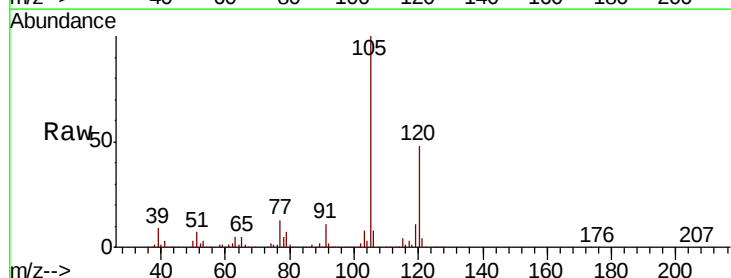
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

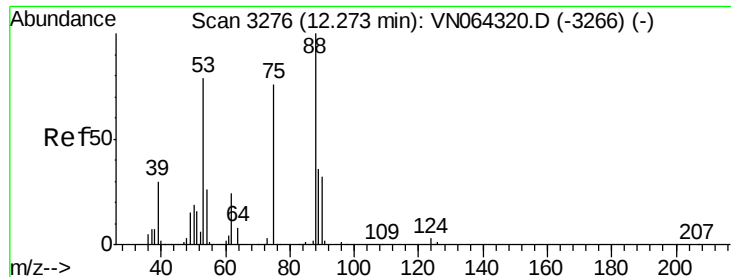
Tot Ion: 91 Resp: 507247
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.281 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion: 105 Resp: 555464
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 60.499 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

BFB

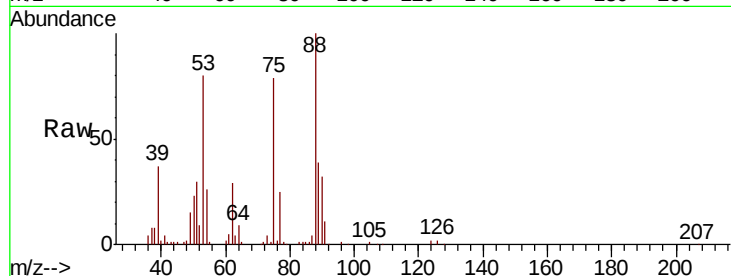
Tot Ion: 75 Resp: 85965

Ion Ratio Lower Upper

75 100

53 107.9 81.8 122.8

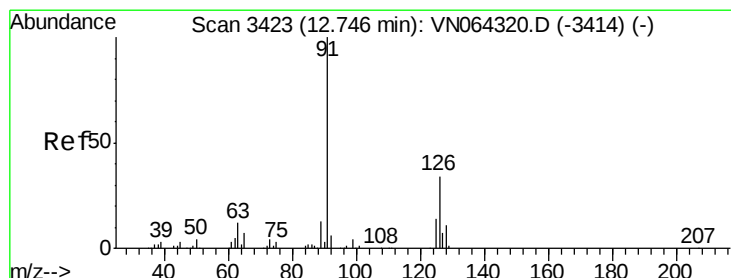
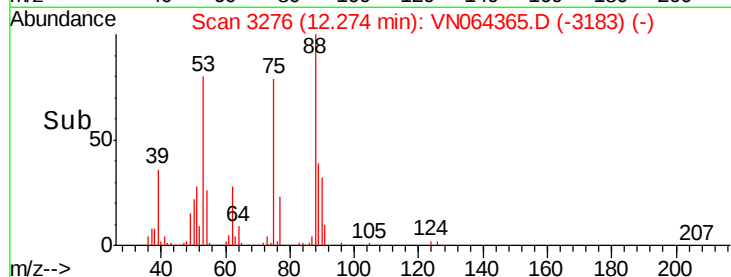
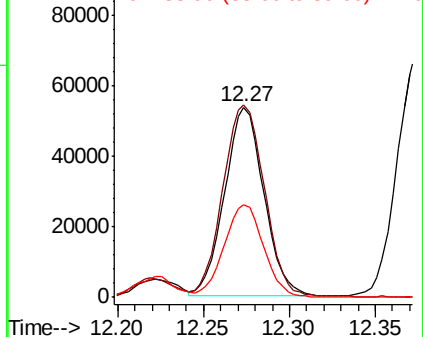
89 49.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064320.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064320.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 56.921 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064365.D

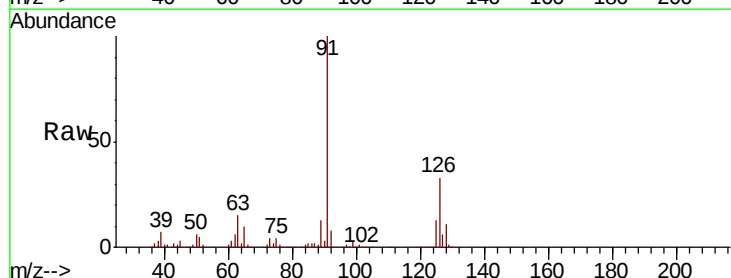
Acq: 29 Oct 2020 10:59

Tgt Ion: 91 Resp: 537213

Ion Ratio Lower Upper

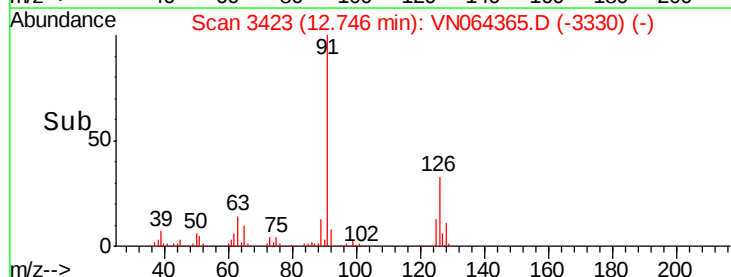
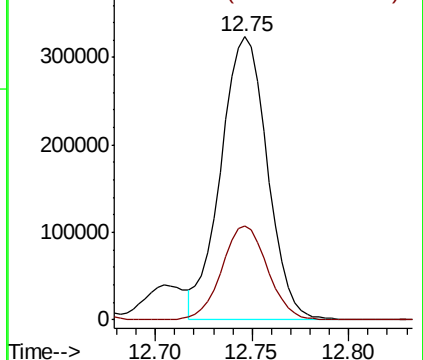
91 100

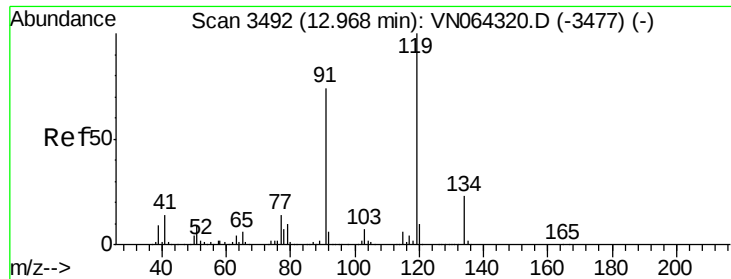
126 32.8 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064320.D (-3414) (-)

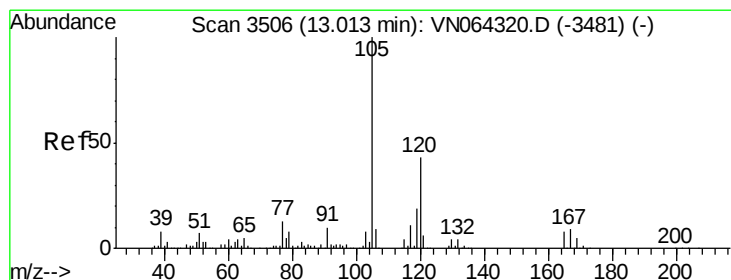
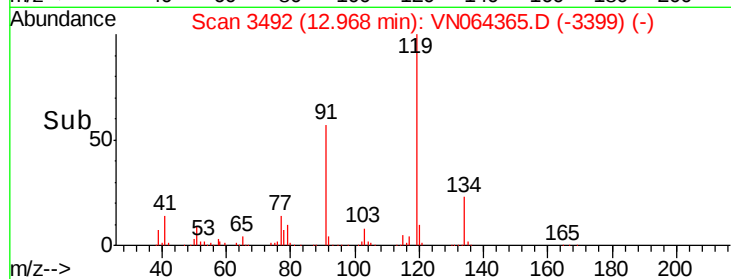
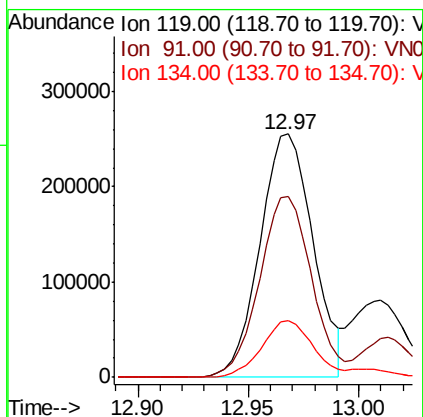
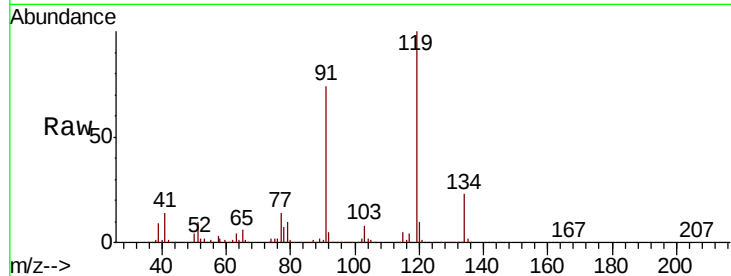




#83
 tert-Butylbenzene
 Concen: 47.891 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

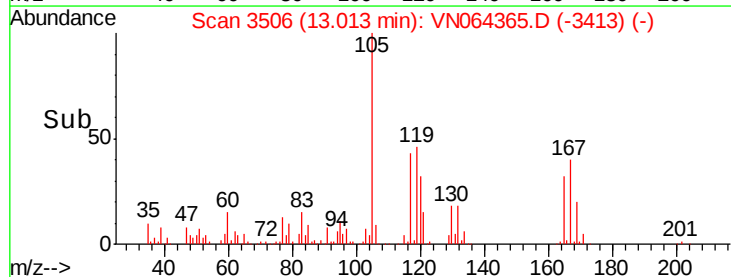
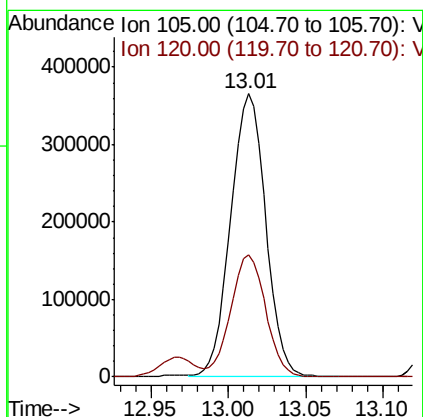
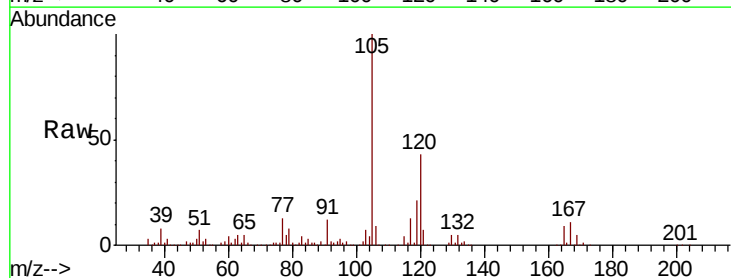
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

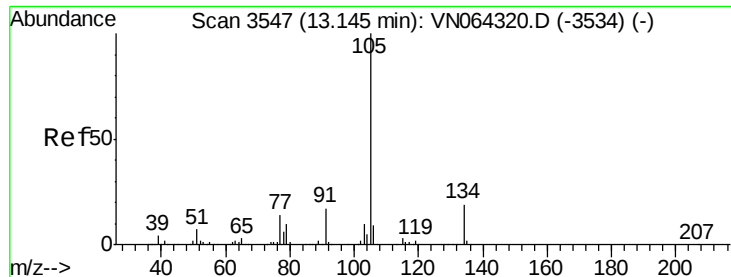
Tot Ion:119 Resp: 425671
 Ion Ratio Lower Upper
 119 100
 91 72.8 36.4 109.1
 134 22.7 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.945 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion:105 Resp: 573032
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.3 64.0





#85

sec-Butylbenzene

Concen: 46.465 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

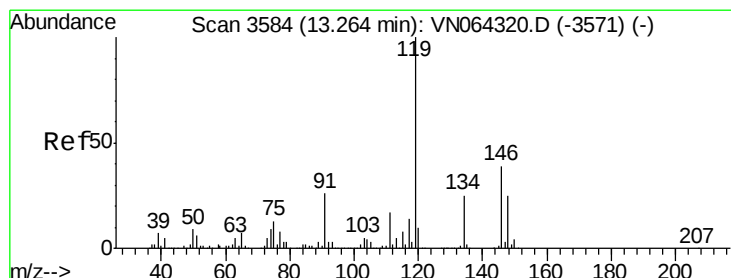
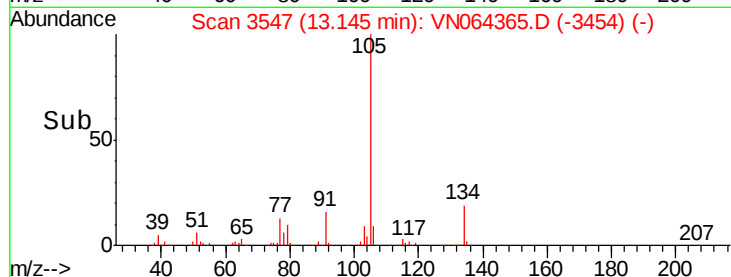
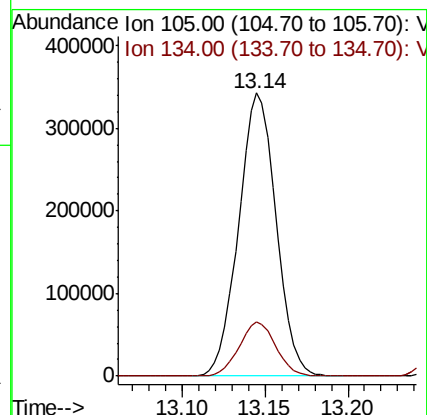
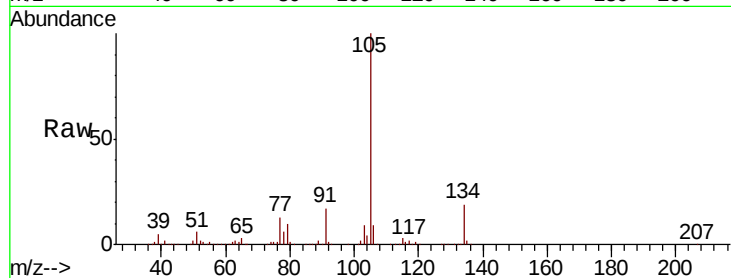
BFB

Tot Ion:105 Resp: 534441

Ion Ratio Lower Upper

105 100

134 18.8 9.6 28.8



#86

p-Isopropyltoluene

Concen: 48.123 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

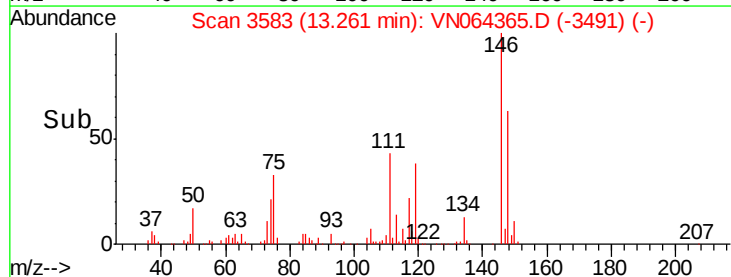
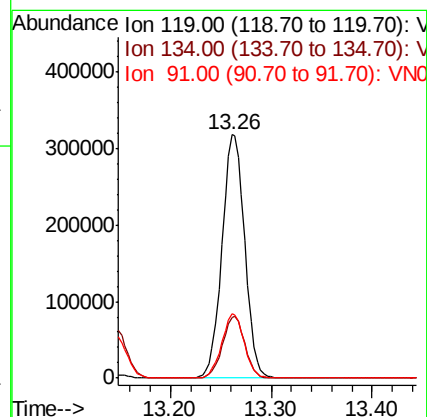
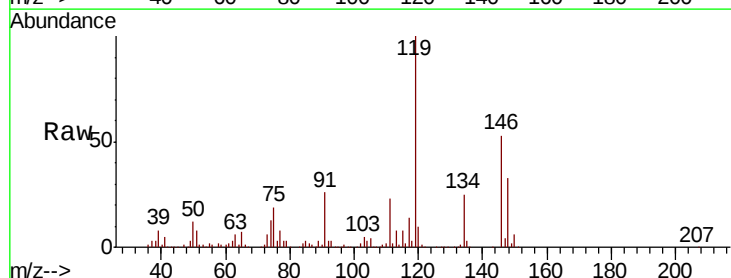
Tgt Ion:119 Resp: 498658

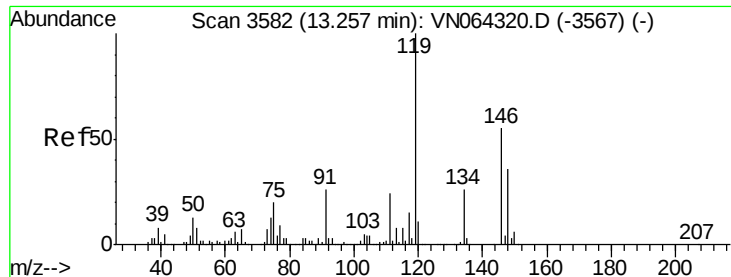
Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.4

91 26.0 13.0 38.9

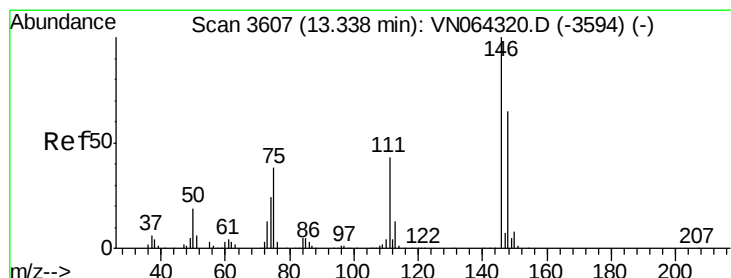
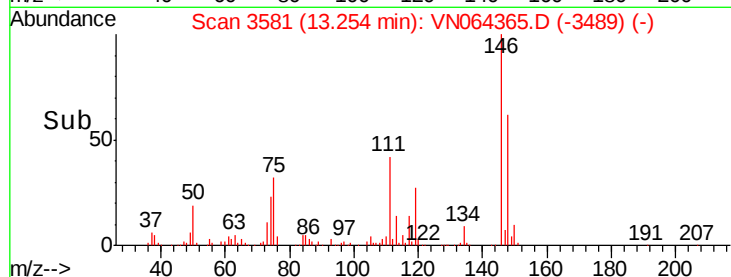
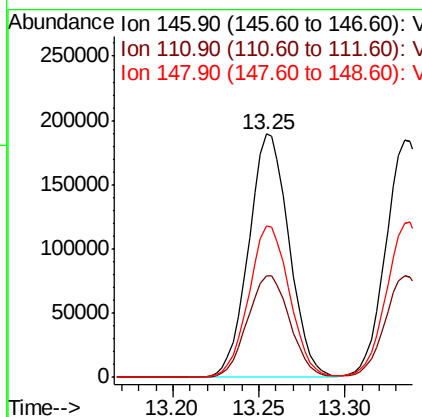
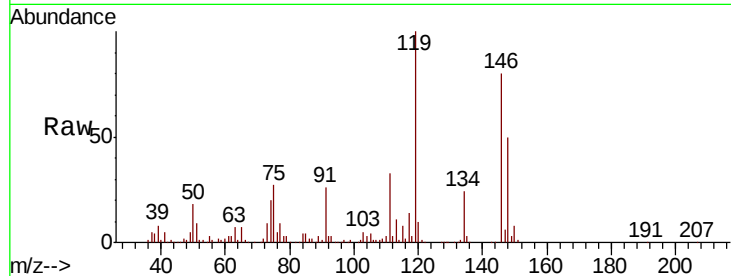




#87
 1,3-Dichlorobenzene
 Concen: 56.310 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

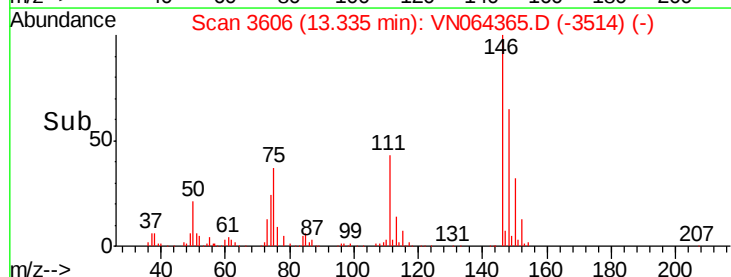
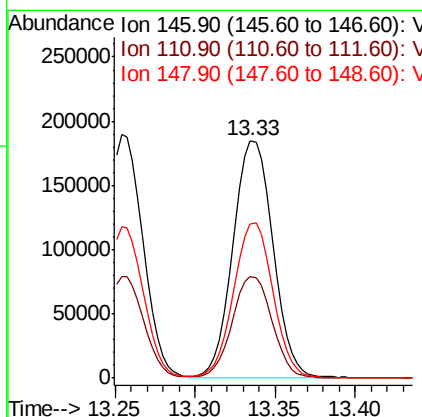
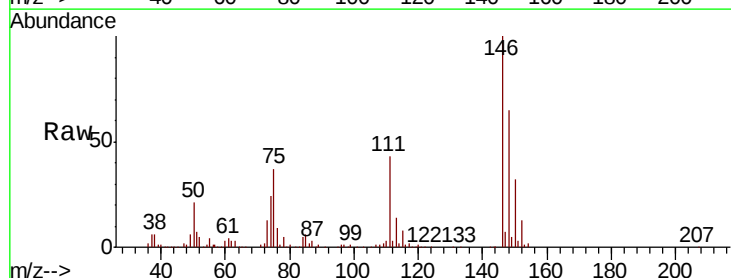
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

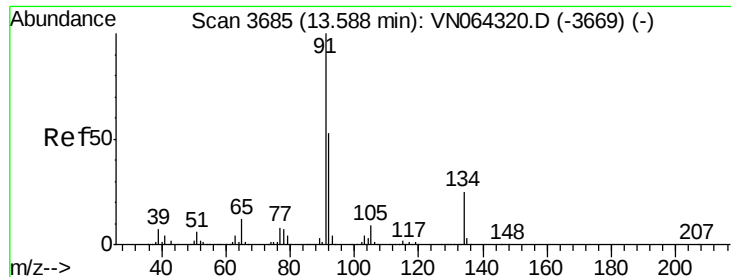
Tot Ion:146 Resp: 309006
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.9 65.5
 148 63.0 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 56.274 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion:146 Resp: 314528
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.8 65.4
 148 64.3 31.8 95.3





#89

n-Butylbenzene

Concen: 46.620 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

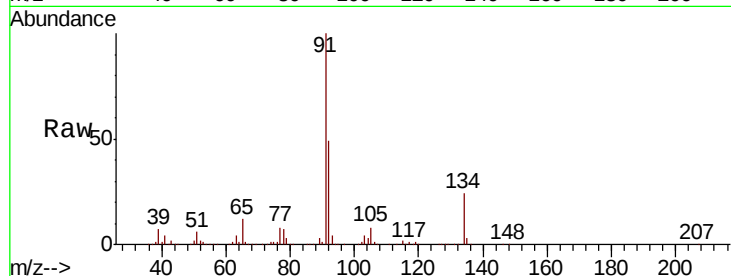
Tot Ion: 91 Resp: 425578

Ion Ratio Lower Upper

91 100

92 50.7 26.2 78.5

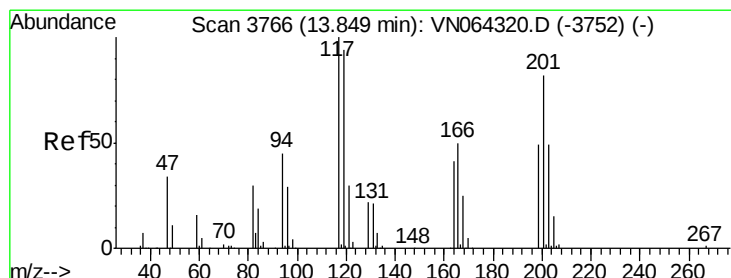
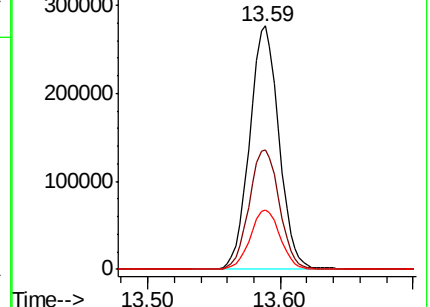
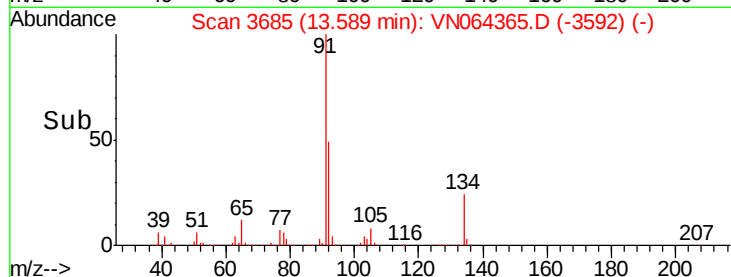
134 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN064320.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN064320.D (-3669) (-)



#90

Hexachloroethane

Concen: 48.837 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064365.D

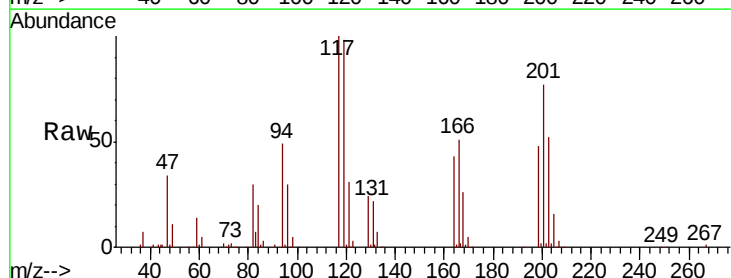
Acq: 29 Oct 2020 10:59

Tgt Ion: 117 Resp: 95042

Ion Ratio Lower Upper

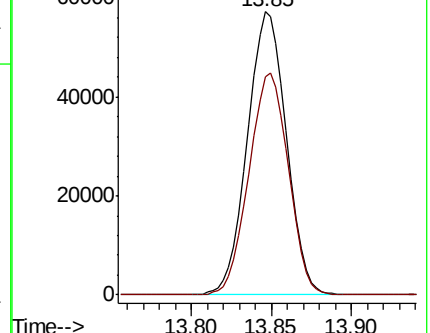
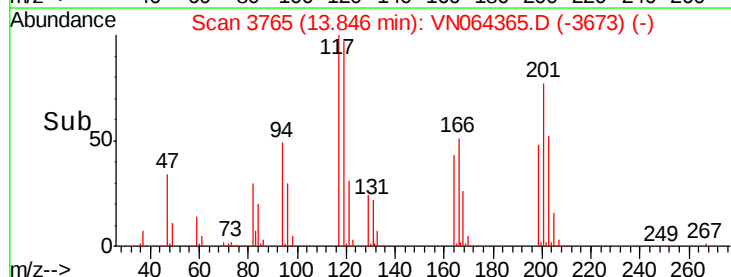
117 100

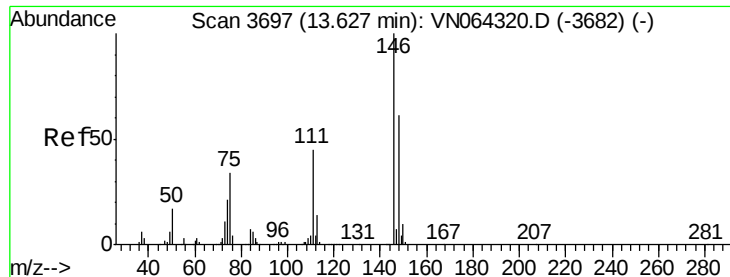
201 79.5 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): VN064320.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN064320.D (-3752) (-)





#91

1,2-Dichlorobenzene

Concen: 56.443 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

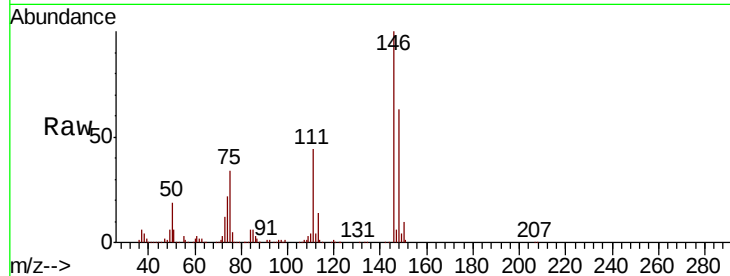
Tot Ion:146 Resp: 307940

Ion Ratio Lower Upper

146 100

111 45.0 23.0 69.0

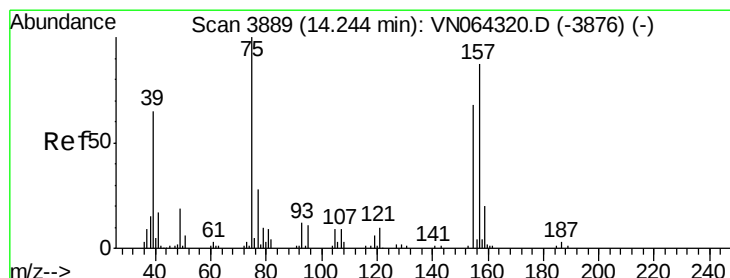
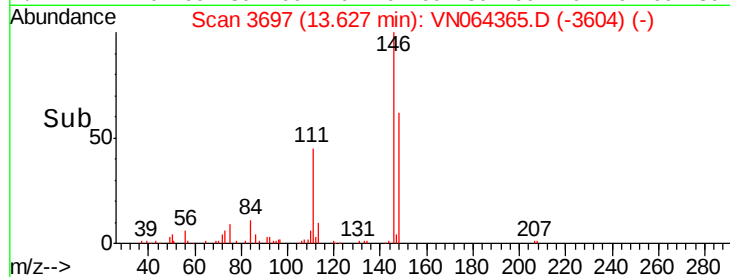
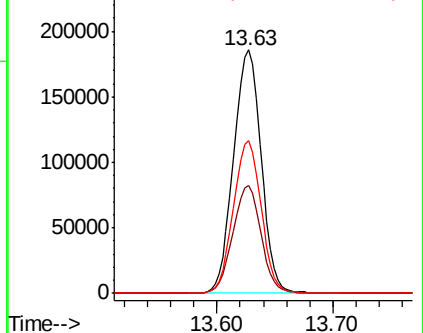
148 62.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.130 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

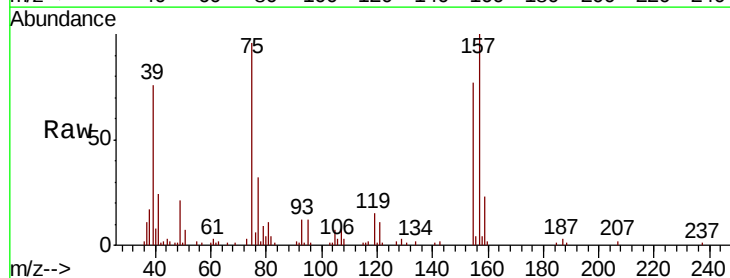
Tgt Ion: 75 Resp: 50901

Ion Ratio Lower Upper

75 100

155 75.9 35.1 105.5

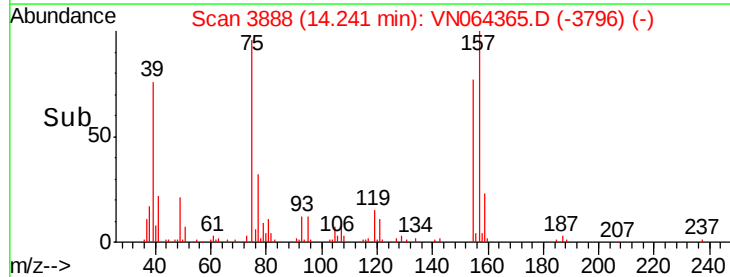
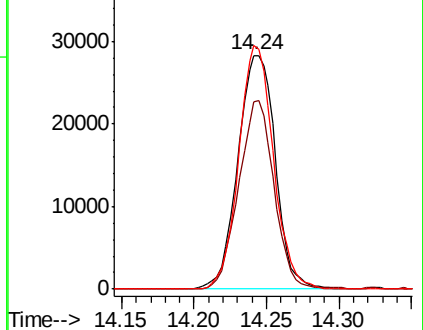
157 96.3 43.2 129.6

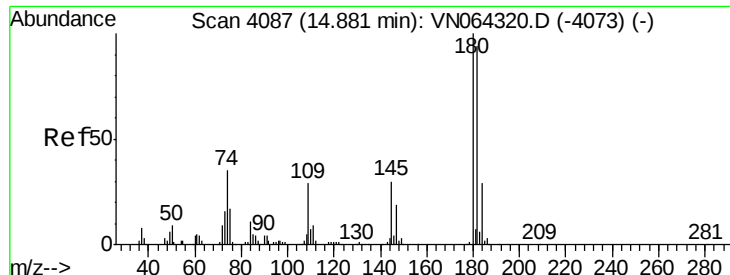


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

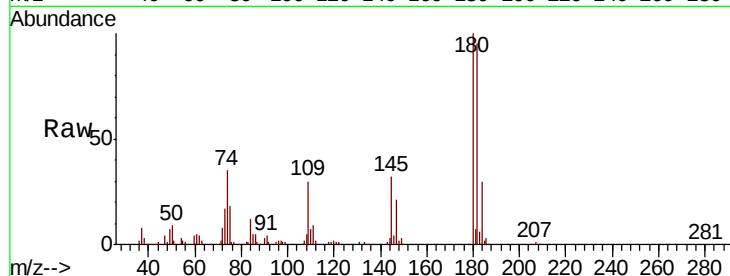




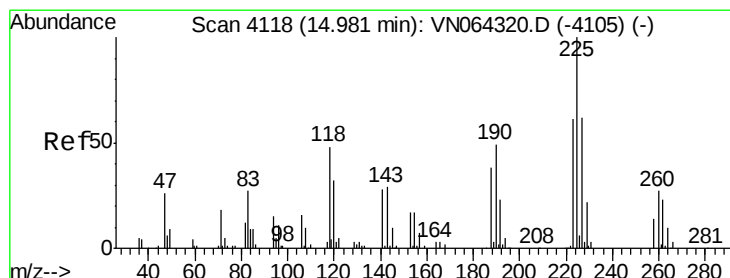
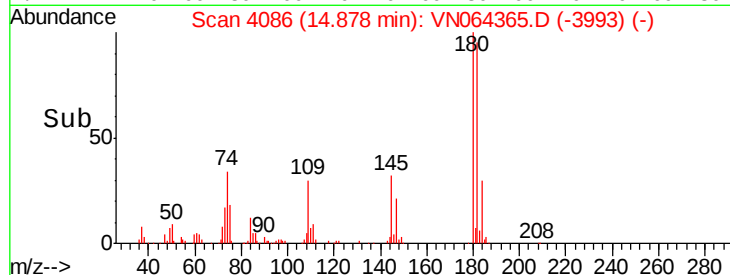
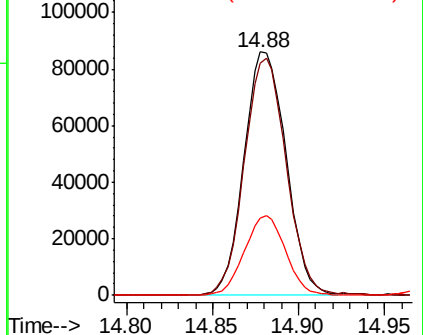
#93
 1,2,4-Trichlorobenzene
 Concen: 46.815 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Tot Ion:180 Resp: 146371
 Ion Ratio Lower Upper
 180 100
 182 96.8 46.6 139.7
 145 32.0 15.3 45.9

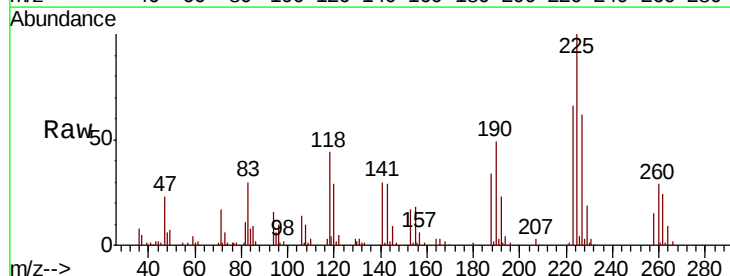


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

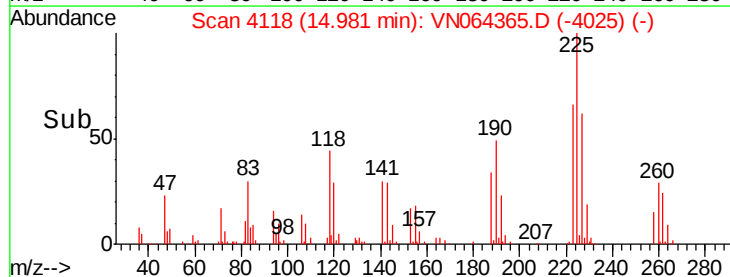
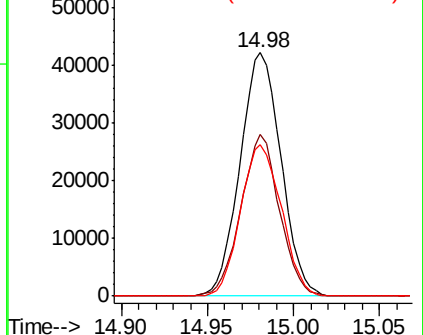


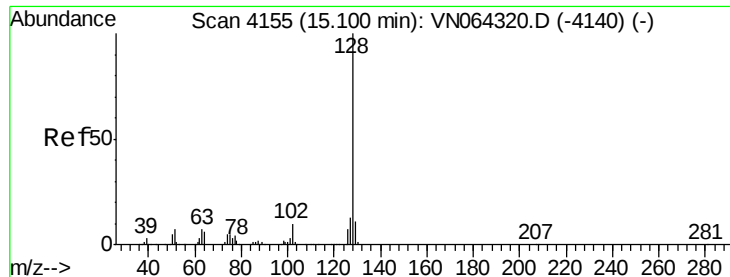
#94
 Hexachlorobutadiene
 Concen: 41.769 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064365.D
 Acq: 29 Oct 2020 10:59

Tgt Ion:225 Resp: 69931
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 61.6 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.893 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

BFB

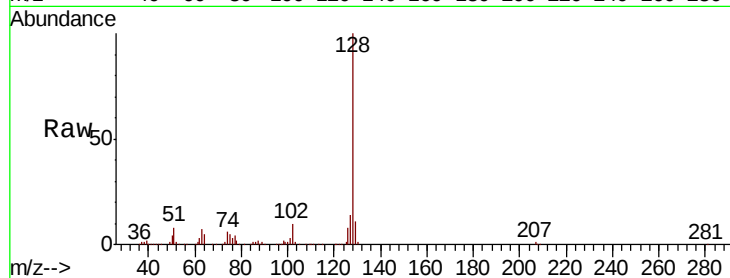
Tot Ion:128 Resp: 482022

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

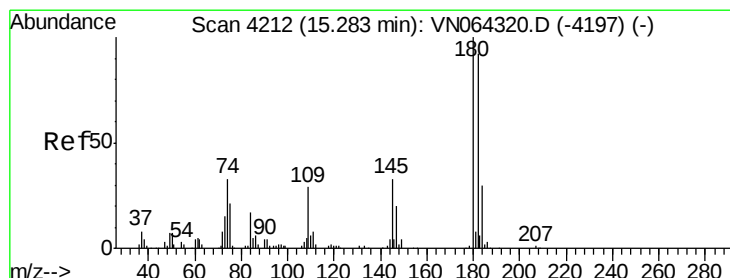
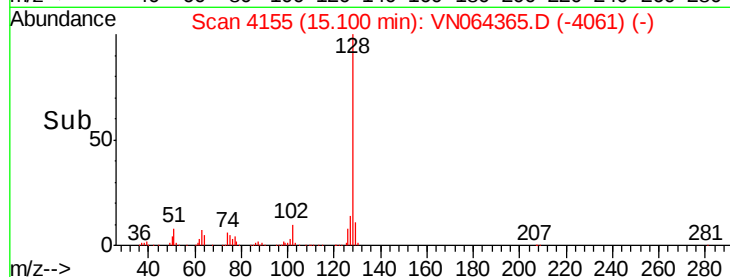
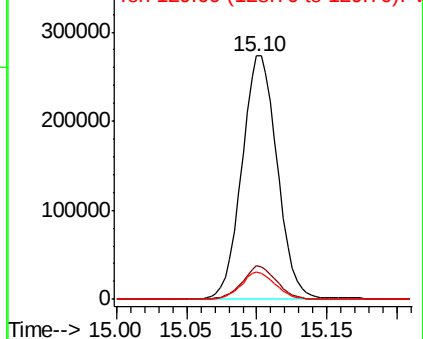
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.583 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064365.D

Acq: 29 Oct 2020 10:59

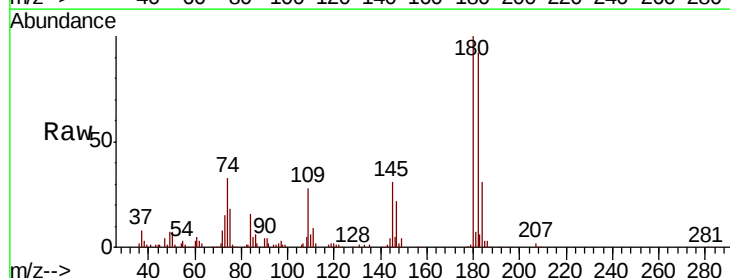
Tgt Ion:180 Resp: 143483

Ion Ratio Lower Upper

180 100

182 93.6 46.1 138.3

145 32.7 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

