

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064529.D
 Acq On : 10 Nov 2020 16:36
 Operator : JC/MD
 Sample : L4684-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-458-460

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:51 PM

Quant Time: Nov 11 07:38:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	250318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	512375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	529419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	237072	54.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.74%	
35) Dibromofluoromethane	7.55	113	176608	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
50) Toluene-d8	10.06	98	646487	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.38	95	256107	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.76	59	26172	54.430	ug/l	99
12) 1,1-Dichloroethene	3.69	96	19120	7.142	ug/l	90
22) Diisopropyl ether	5.91	45	10277	0.924	ug/l #	83
24) 1,1-Dichloroethane	5.80	63	152853	25.022	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	1593m	0.452	ug/l	
32) 1,1,1-Trichloroethane	7.54	97	3875	0.680	ug/l #	37
40) Benzene	8.00	78	3567757	224.306	ug/l	99
42) 1,2-Dichloroethane	8.09	62	120591	18.787	ug/l	97
44) Trichloroethene	8.80	130	17702	4.411	ug/l	98
49) 1,4-Dioxane	9.17	88	1223	20.977	ug/l #	84
64) Tetrachloroethene	10.60	164	3749	0.919	ug/l #	91
69) o-Xylene	11.92	106	27729	3.833	ug/l	98
73) Isopropylbenzene	12.23	105	79935	5.135	ug/l	99

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

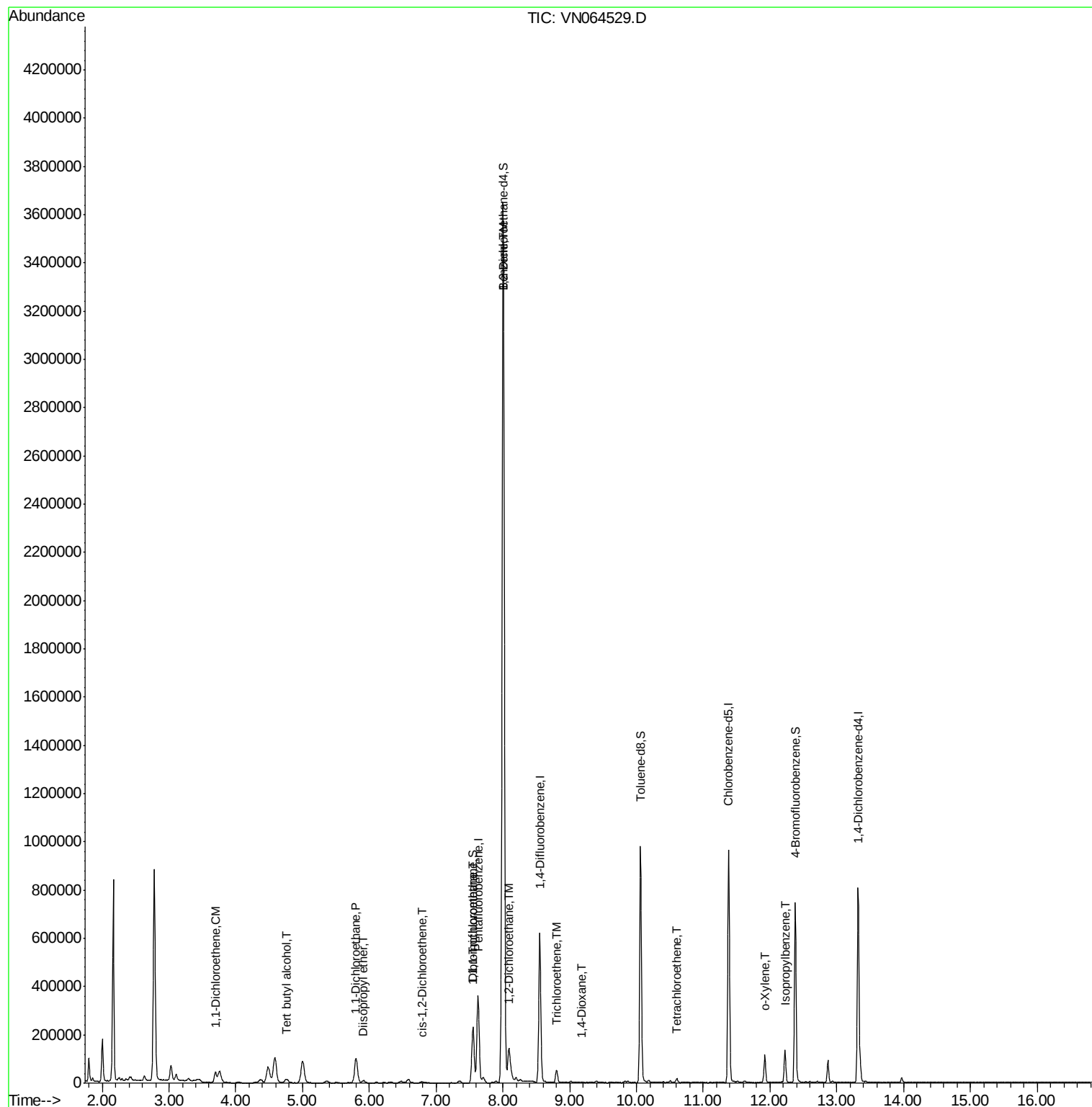
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
Data File : VN064529.D
Acq On : 10 Nov 2020 16:36
Operator : JC/MD
Sample : L4684-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

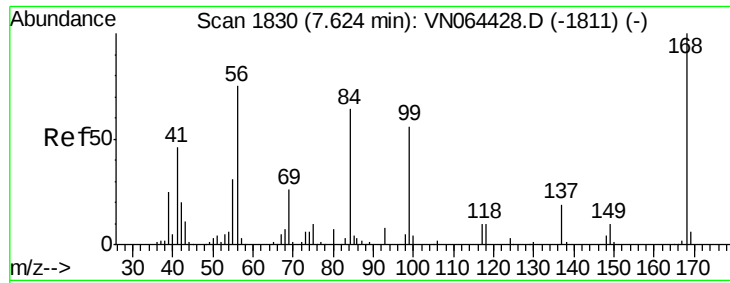
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Manual Integrations
APPROVED

MMDadoda
11/11/2020 1:01:51 PM

Quant Time: Nov 11 07:38:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-458-460

Tot Ion:168 Resp: 250318

Ion Ratio Lower Upper

168 100

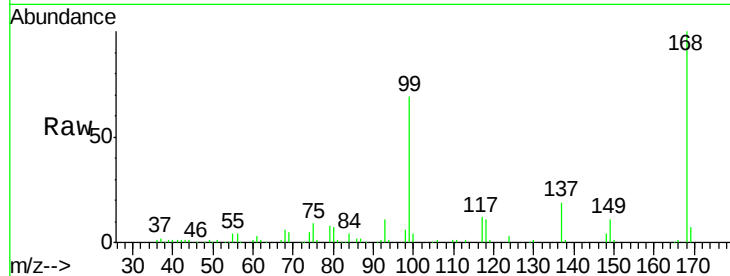
99 69.1 53.4 80.2

Manual Integrations

APPROVED

MMDadoda

11/11/2020 1:01:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

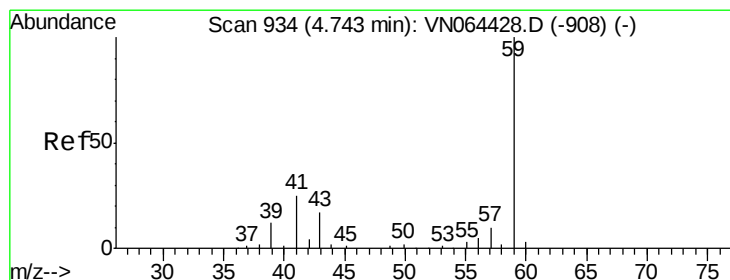
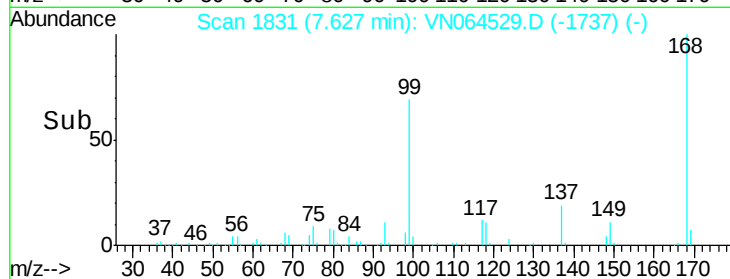
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 54.430 ug/l

RT: 4.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN064529.D

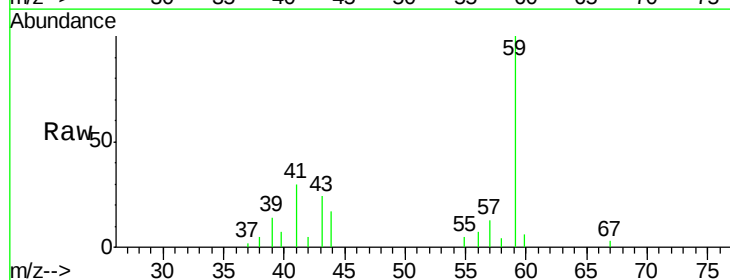
Acq: 10 Nov 2020 16:36

Tgt Ion: 59 Resp: 26172

Ion Ratio Lower Upper

59 100

57 10.8 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

8000

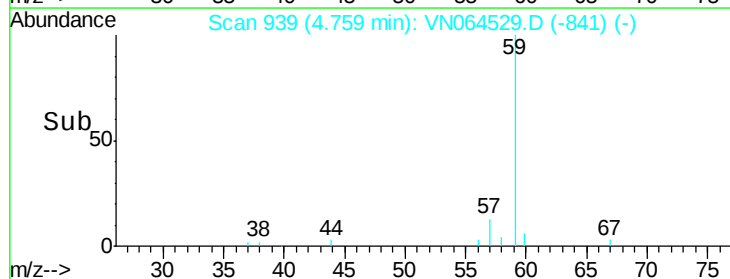
6000

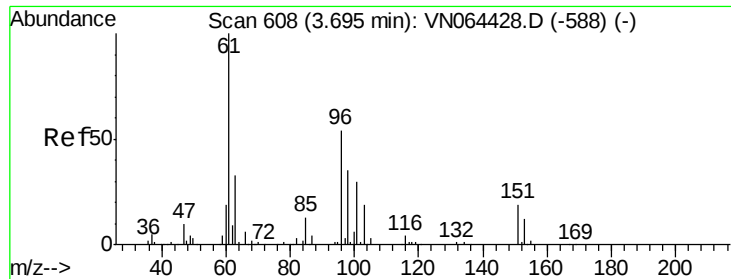
4000

2000

0

Time--> 4.60 4.70 4.80 4.90





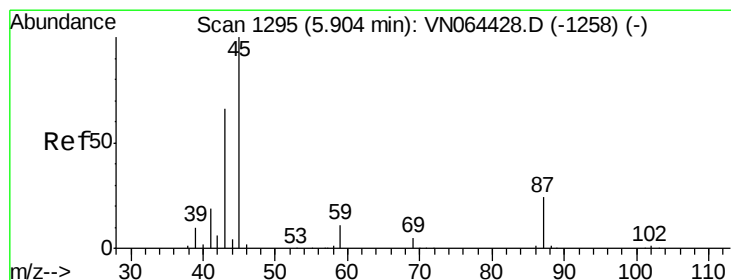
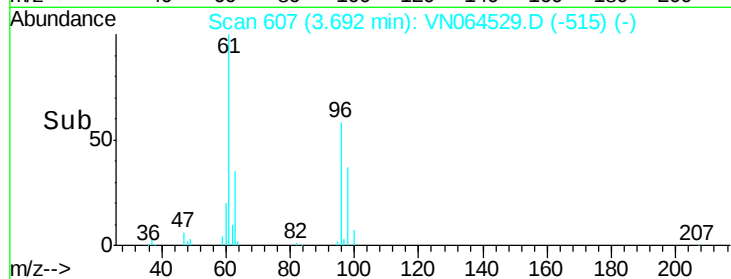
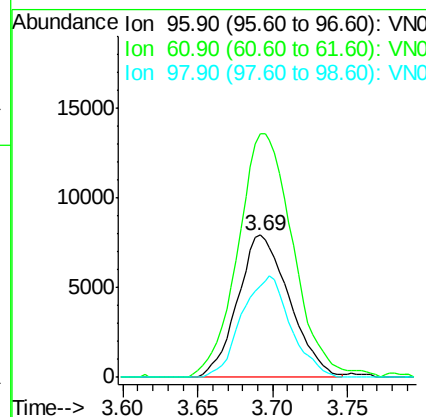
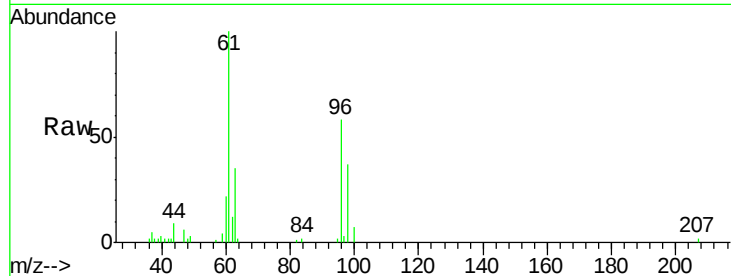
#12
 1,1-Dichloroethene
 Concen: 7.142 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064529.D
 Acq: 10 Nov 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-458-460

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.1	149.5	224.3
98	64.1	52.4	78.6

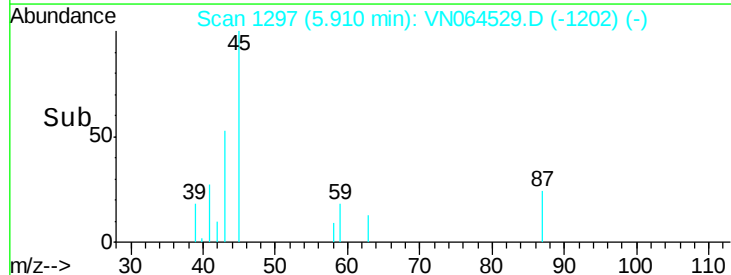
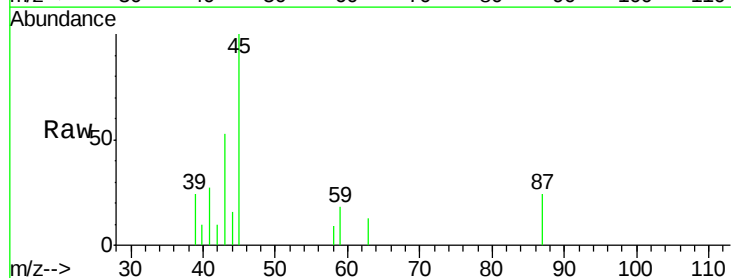
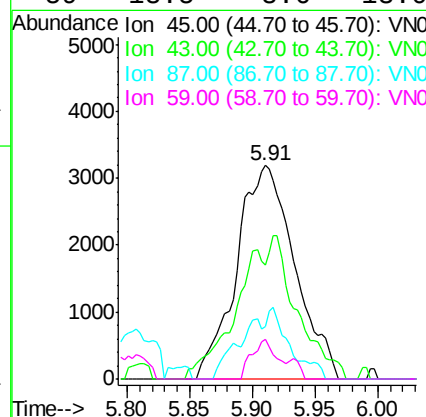
Manual Integrations
 APPROVED

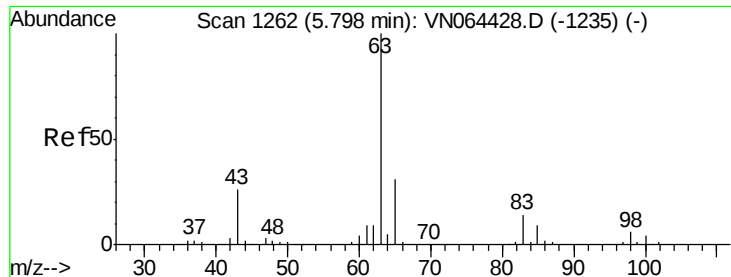
MMDadoda
 11/11/2020 1:01:51 PM



#22
 Diisopropyl ether
 Concen: 0.924 ug/l
 RT: 5.91 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VN064529.D
 Acq: 10 Nov 2020 16:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.4	53.2	79.8#
87	24.4	19.9	29.9
59	18.5	8.6	13.0#





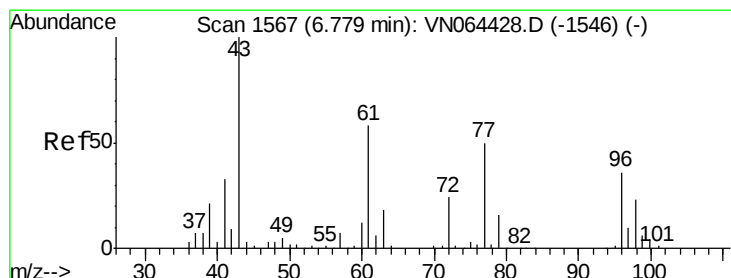
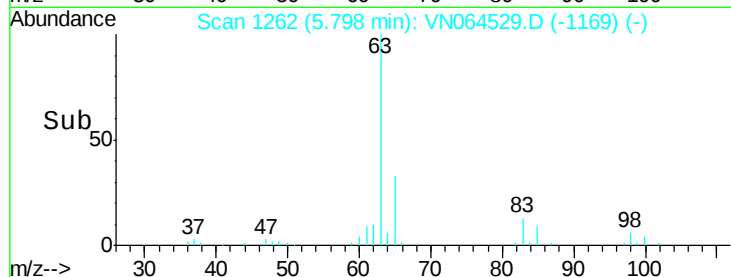
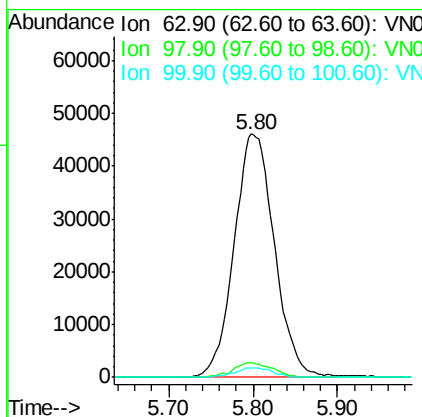
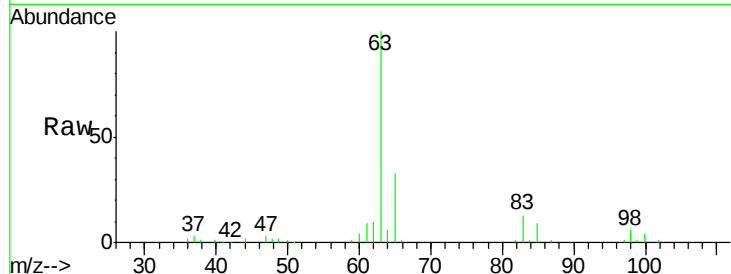
#24
 1,1-Dichloroethane
 Concen: 25.022 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064529.D
 Acq: 10 Nov 2020 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-458-460

Tot Ion	Ratio	Resp	Lower	Upper
63	100	152853		
98	6.2		3.0	9.2
100	3.6		1.8	5.3

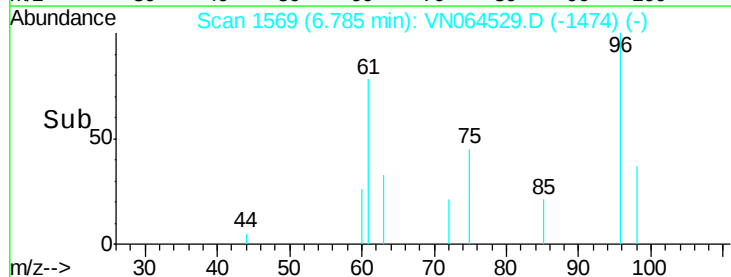
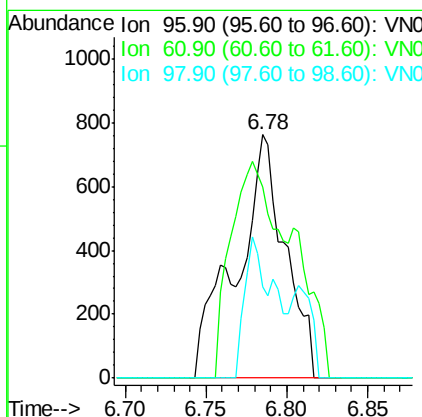
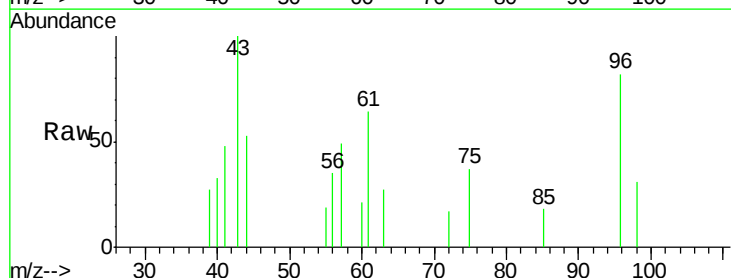
Manual Integrations
 APPROVED

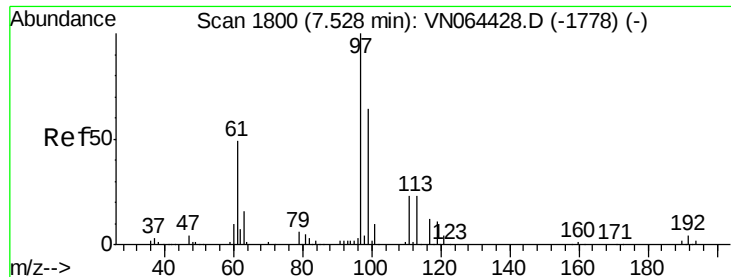
MMDadoda
 11/11/2020 1:01:51 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.452 ug/l m
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064529.D
 Acq: 10 Nov 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1593		
61	85.2		0.0	329.6
98	23.0		0.0	131.2





#32

1,1,1-Trichloroethane

Concen: 0.680 ug/l

RT: 7.54 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

Instrument :

MSVOA_N

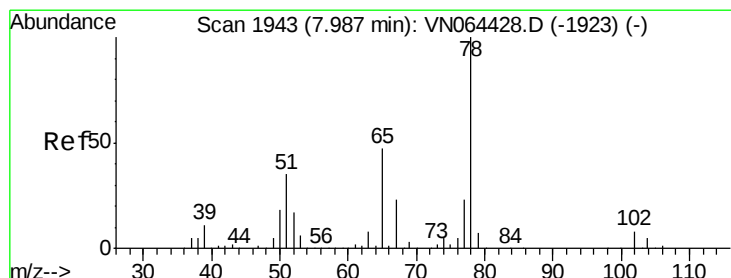
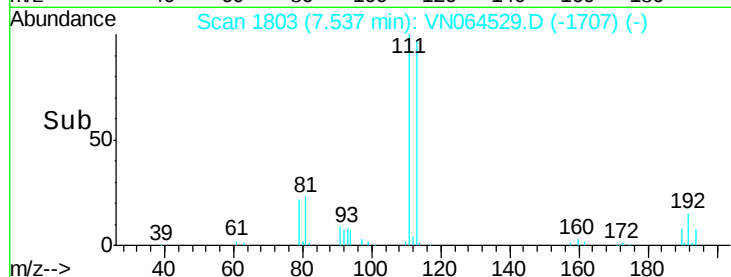
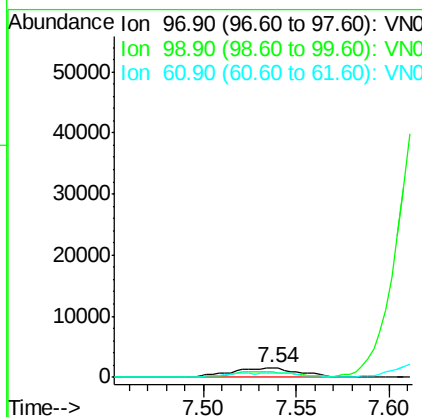
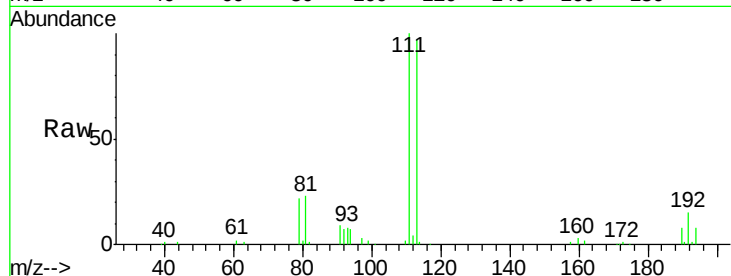
ClientSampleId :

BP-VPB178-GW-458-460

Tot Ion:	97	Resp:	3875
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	22.1	39.1	58.7#

Manual Integrations
APPROVED

MMDadoda
11/11/2020 1:01:51 PM



#33

1,2-Dichloroethane-d4

Concen: 54.372 ug/l

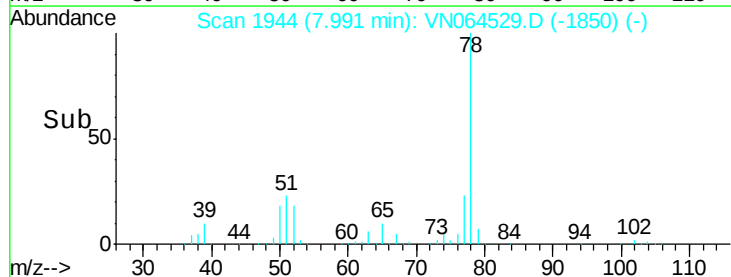
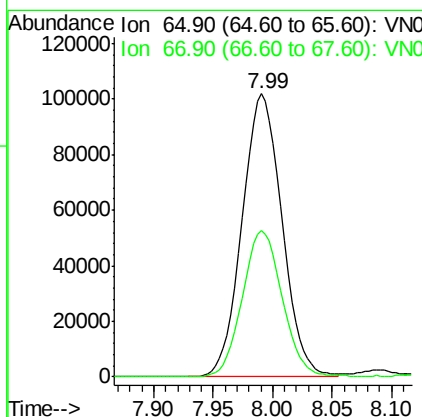
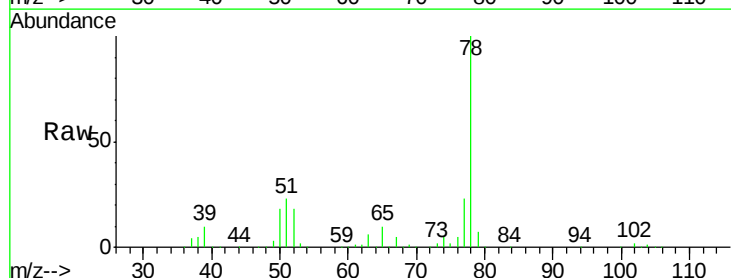
RT: 7.99 min Scan# 1944

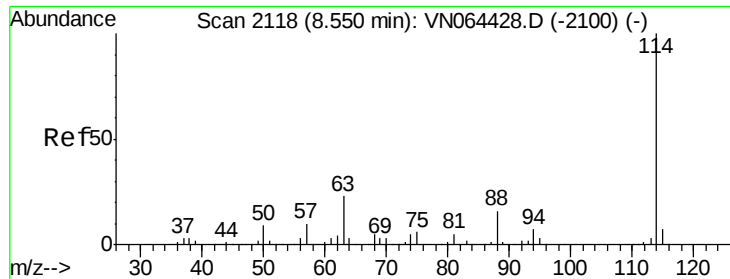
Delta R.T. 0.00 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

Tgt Ion:	65	Resp:	237072
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.6





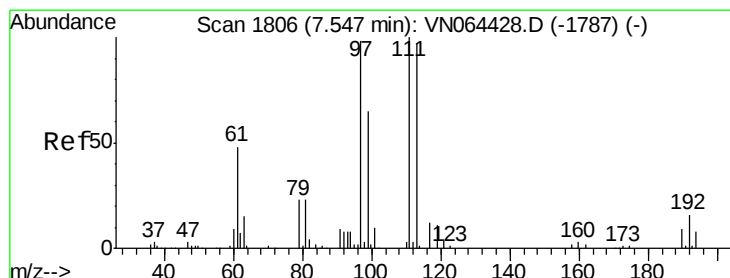
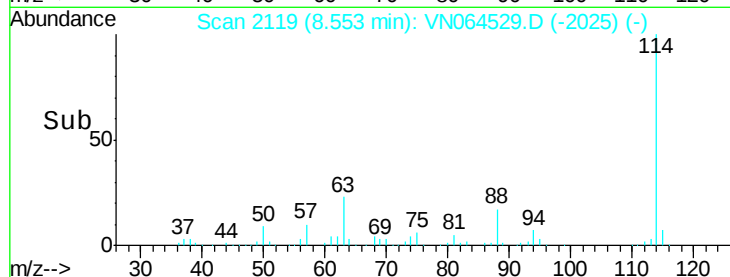
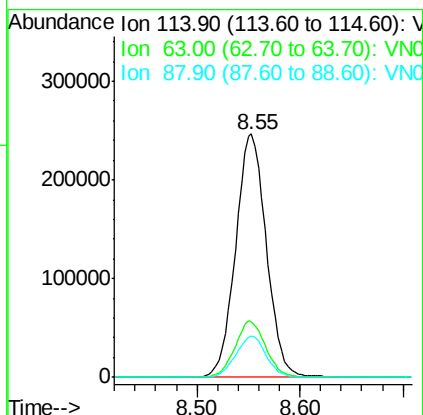
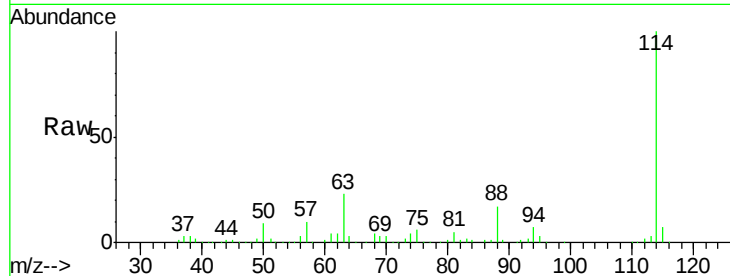
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.0	0.0	45.6
88	16.8	0.0	32.8

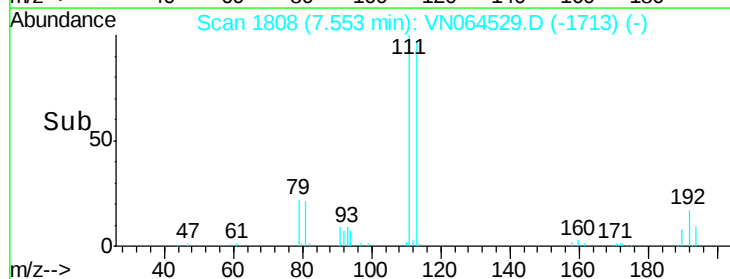
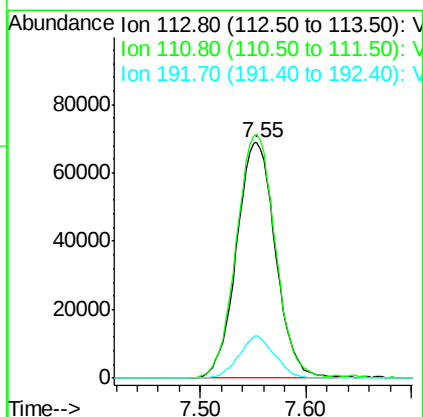
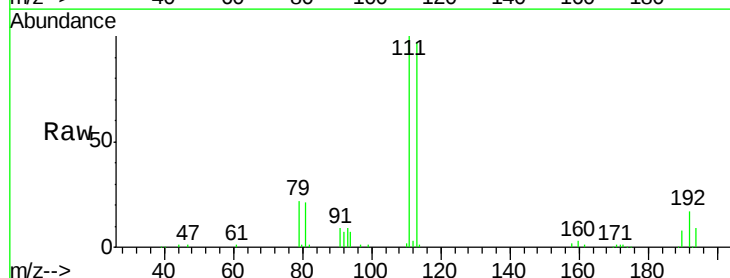
Manual Integrations
APPROVED

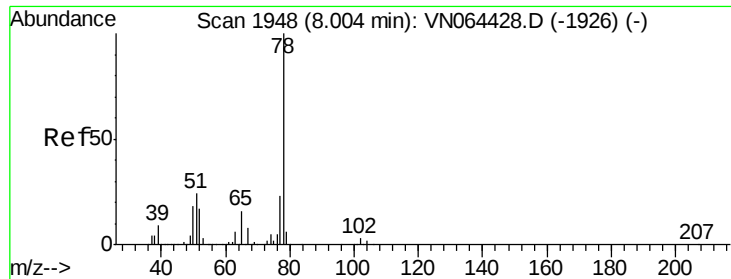
MMDadoda
11/11/2020 1:01:51 PM



#35
Dibromofluoromethane
Concen: 50.625 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.5	81.1	121.7
192	16.4	12.8	19.2





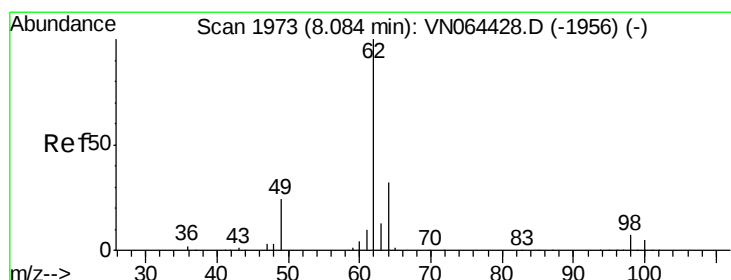
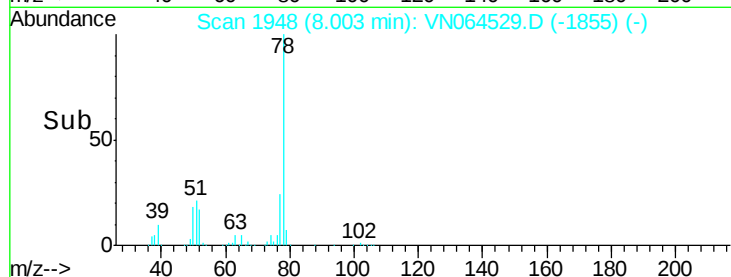
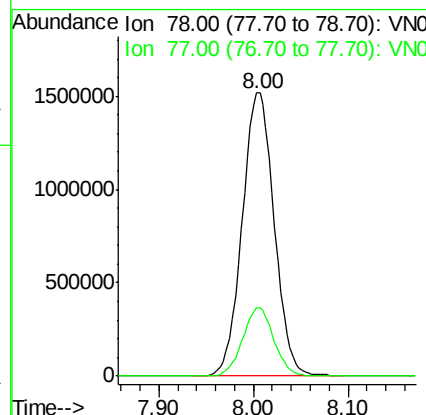
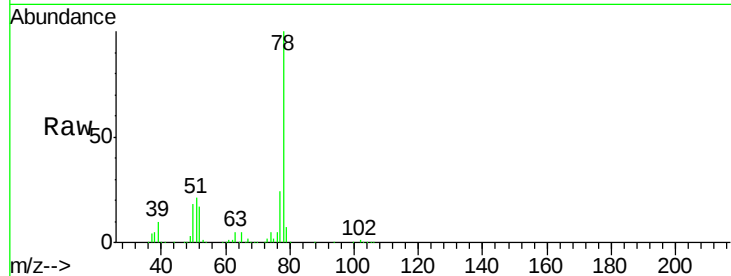
#40
Benzene
Concen: 224.306 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Tot Ion: 78 Resp: 3567757
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

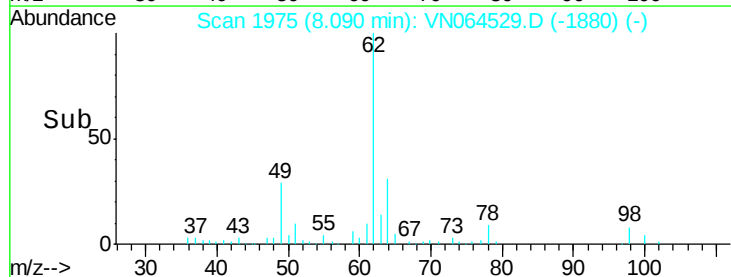
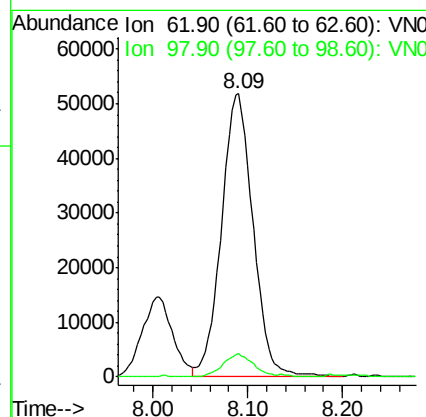
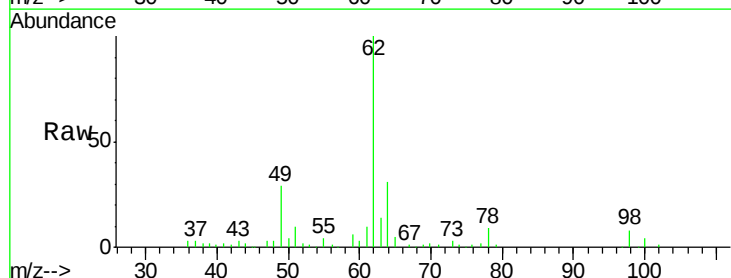
Manual Integrations
APPROVED

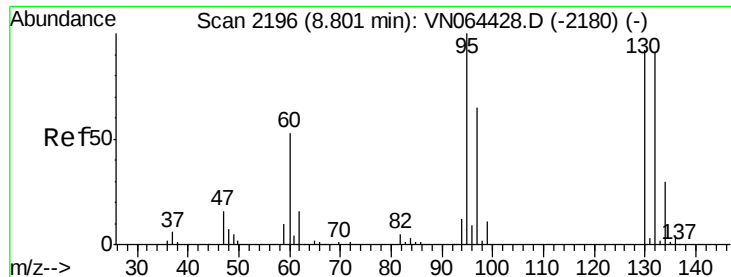
MMDadoda
11/11/2020 1:01:51 PM



#42
1,2-Dichloroethane
Concen: 18.787 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Tgt Ion: 62 Resp: 120591
Ion Ratio Lower Upper
62 100
98 8.2 0.0 14.0





#44

Trichloroethene

Concen: 4.411 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-458-460

Tot Ion:130 Resp: 17702

Ion Ratio Lower Upper

130 100

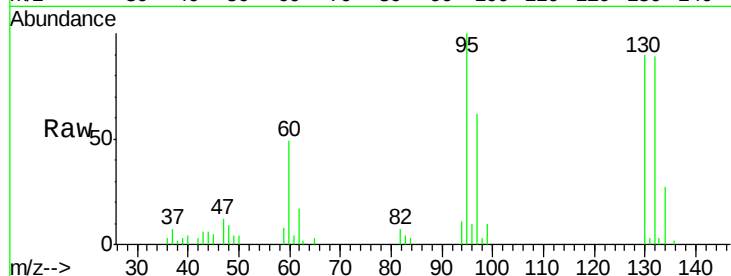
95 111.0 0.0 216.8

Manual Integrations

APPROVED

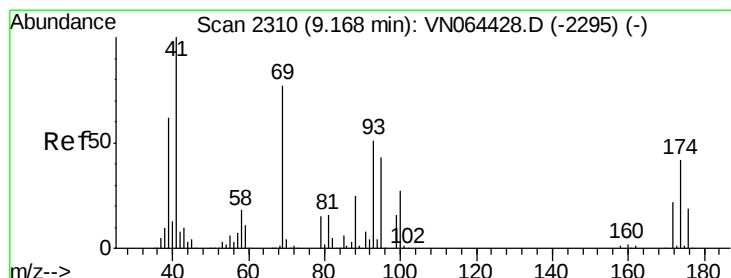
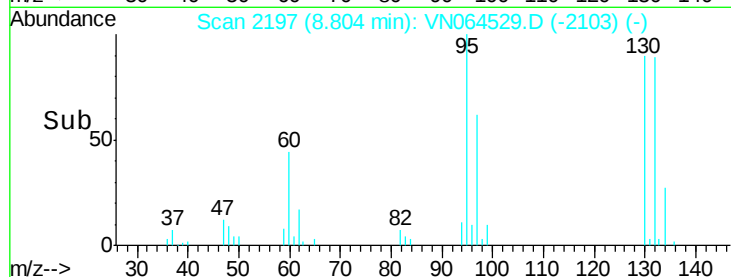
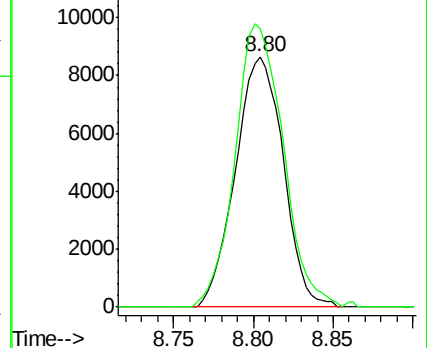
MMDadoda

11/11/2020 1:01:51 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#49

1,4-Dioxane

Concen: 20.977 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

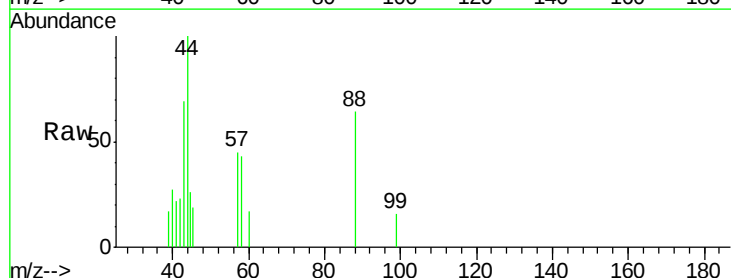
Tgt Ion: 88 Resp: 1223

Ion Ratio Lower Upper

88 100

43 30.3 31.0 46.6#

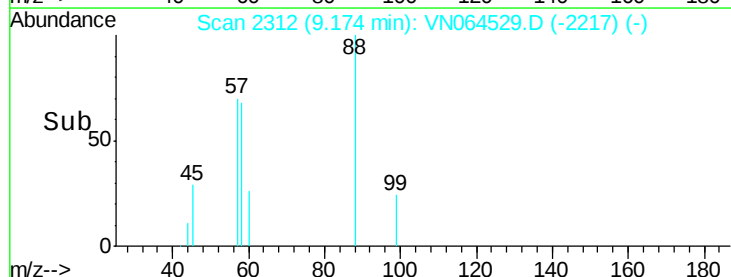
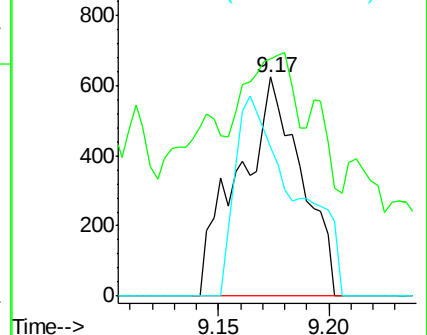
58 87.7 58.4 87.6#

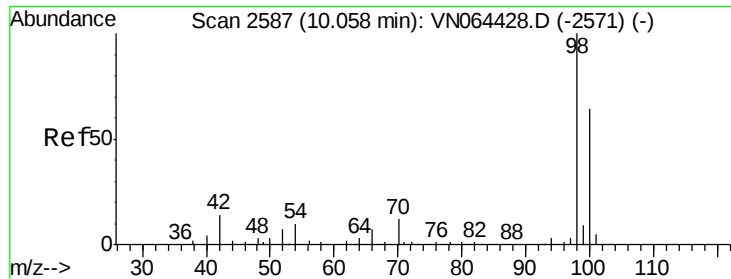


Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





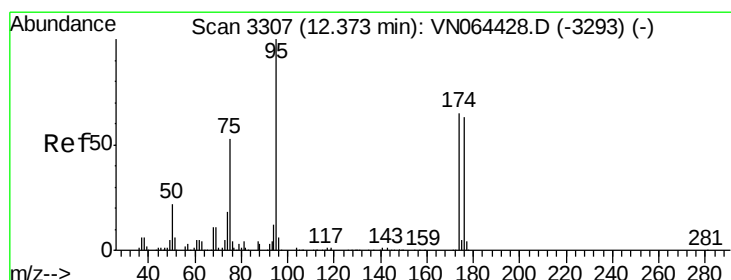
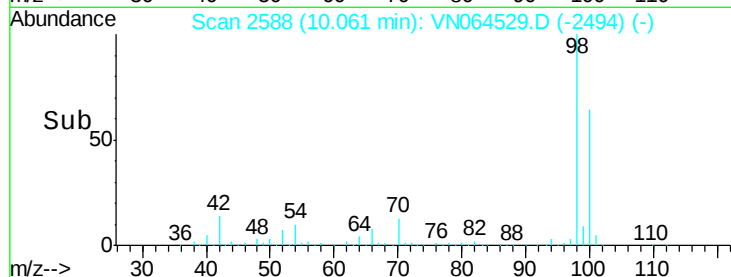
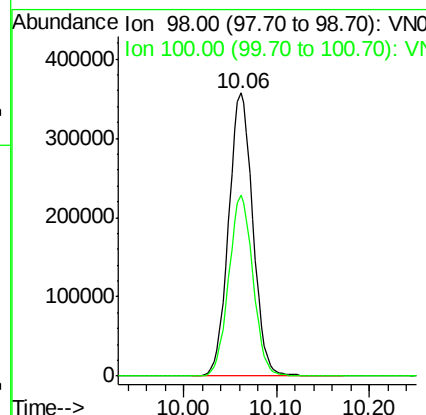
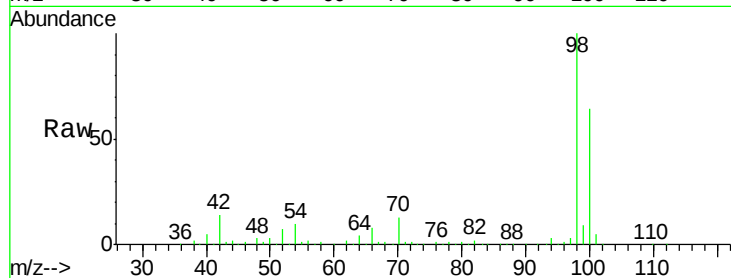
#50
Toluene-d8
Concen: 47.947 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Tot Ion: 98 Resp: 646487
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

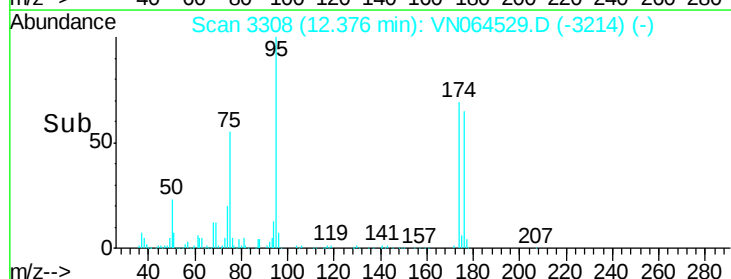
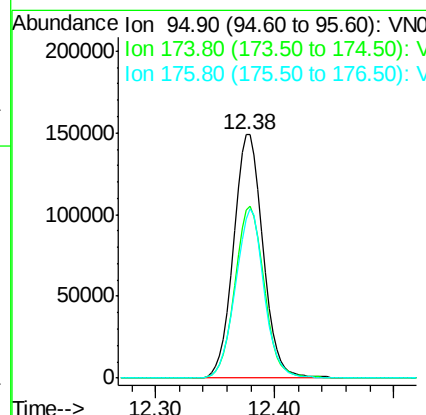
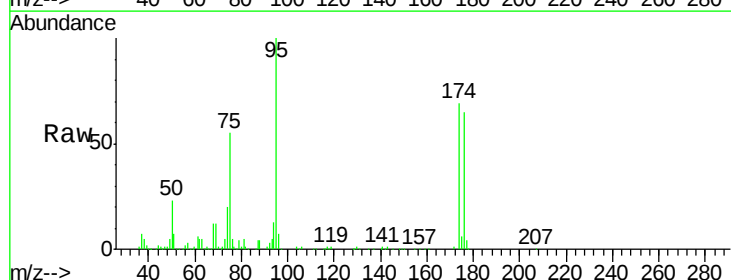
Manual Integrations
APPROVED

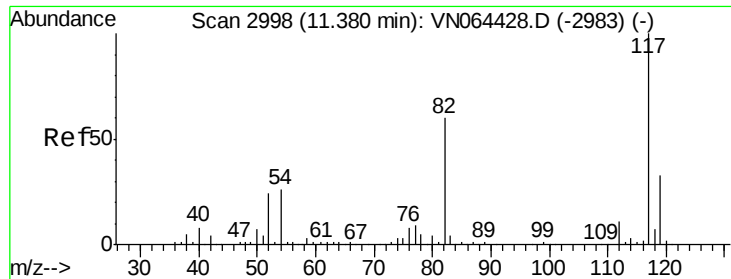
MMDadoda
11/11/2020 1:01:51 PM



#62
4-Bromofluorobenzene
Concen: 50.225 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Tgt Ion: 95 Resp: 256107
Ion Ratio Lower Upper
95 100
174 70.4 0.0 132.6
176 67.6 0.0 129.2





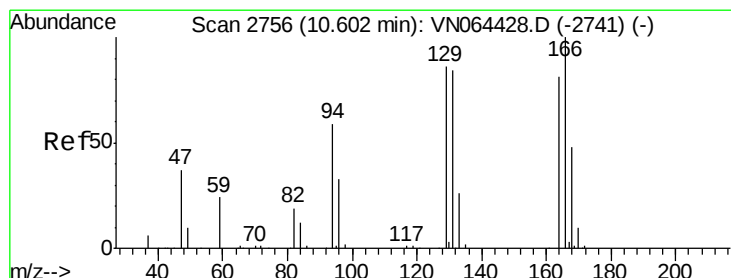
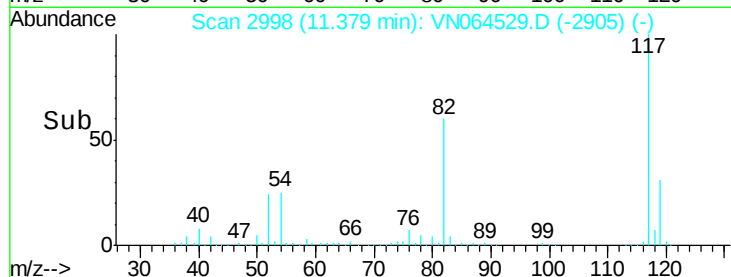
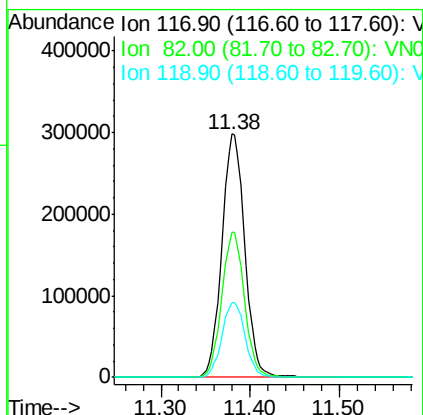
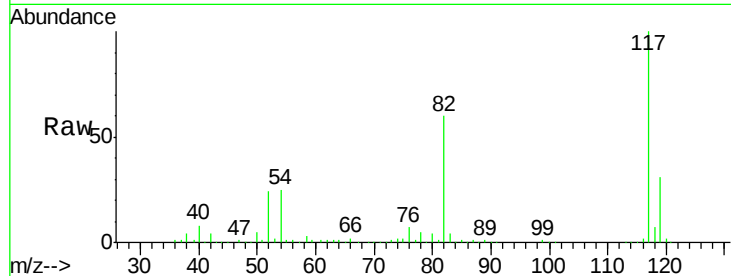
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.1	72.1
119	30.8	26.2	39.4

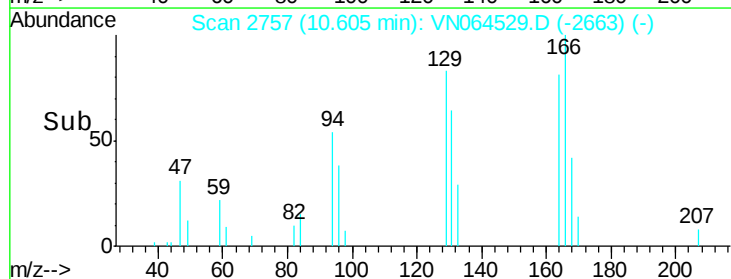
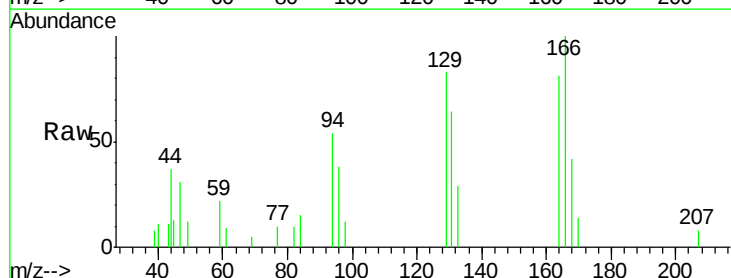
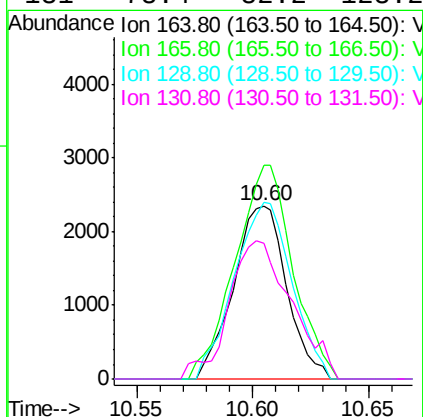
Manual Integrations
APPROVED

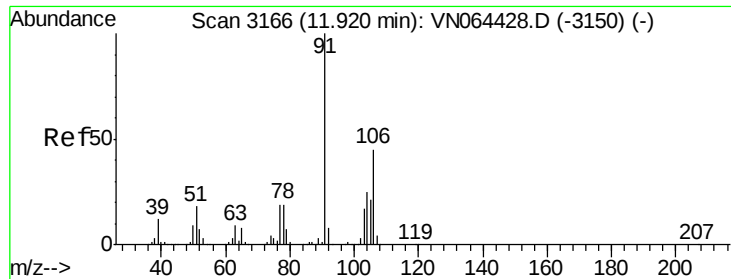
MMDadoda
11/11/2020 1:01:51 PM



#64
Tetrachloroethene
Concen: 0.919 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	98.2	147.2
129	102.4	84.6	127.0
131	78.4	82.2	123.2#





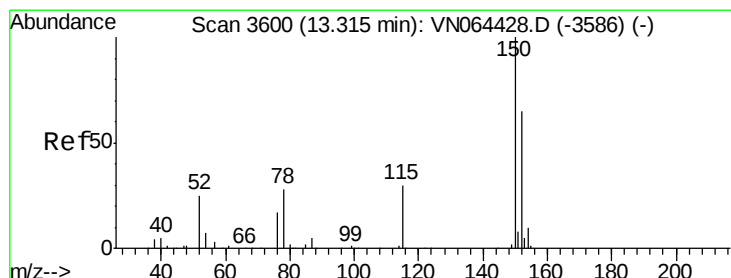
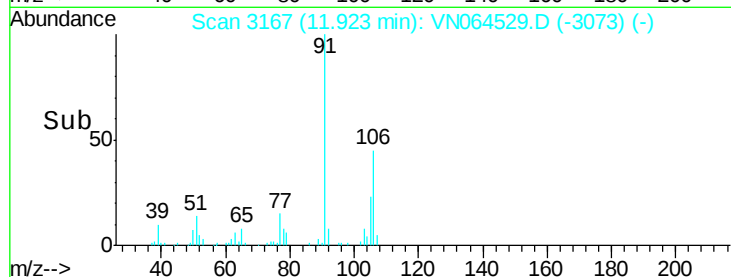
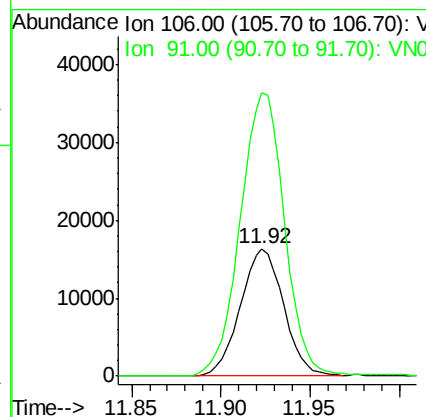
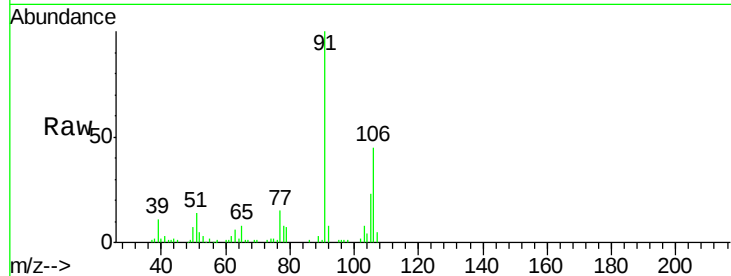
#69
o-Xylene
Concen: 3.833 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-458-460

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.5	111.7	334.9

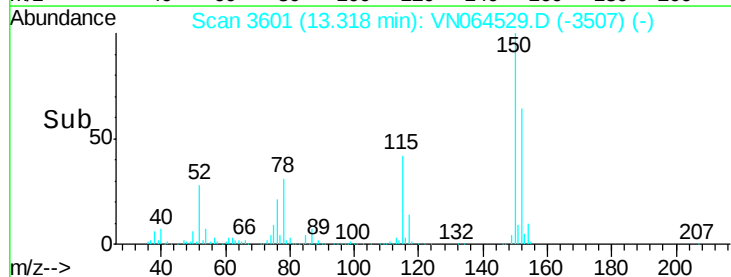
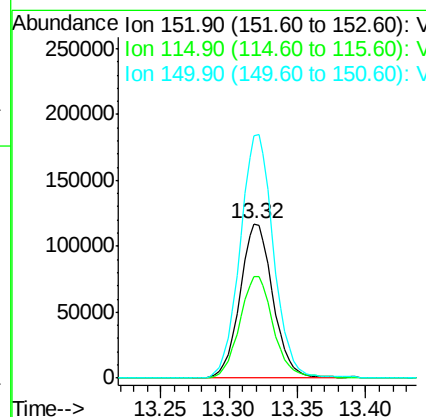
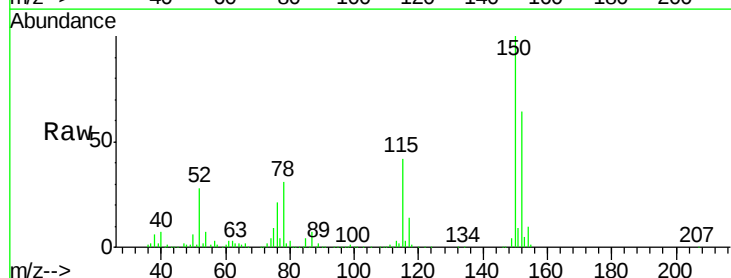
Manual Integrations
APPROVED

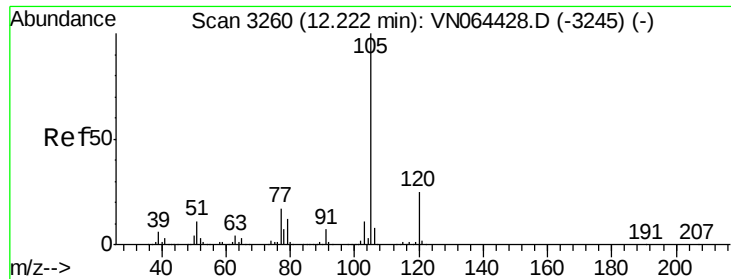
MMDadoda
11/11/2020 1:01:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064529.D
Acq: 10 Nov 2020 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.8	32.0	96.0
150	161.4	0.0	353.8





#73

Isopropylbenzene

Concen: 5.135 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064529.D

Acq: 10 Nov 2020 16:36

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-458-460

Tot Ion:105 Resp: 79935

Ion Ratio Lower Upper

105 100

120 25.1 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

11/11/2020 1:01:51 PM

