

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063191.D
 Acq On : 2 Sep 2020 13:29
 Operator : JC/MD
 Sample : L3889-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:29:02 AM

Quant Time: Sep 03 02:01:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	417103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	767581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	723553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	337766	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	332853	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.55	113	240844	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.06	98	905144	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.38	95	324346	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	188788	45.959	ug/l	98
3) Chloromethane	2.03	50	257360	43.026	ug/l	97
4) Vinyl Chloride	2.17	62	285095	43.148	ug/l	98
5) Bromomethane	2.53	94	252725	45.439	ug/l	96
6) Chloroethane	2.67	64	247254	47.065	ug/l	96
7) Trichlorofluoromethane	2.98	101	462066	50.749	ug/l	98
8) Diethyl Ether	3.38	74	147104	46.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	211683	47.134	ug/l	99
10) Methyl Iodide	3.91	142	270368	44.140	ug/l	99
11) Tert butyl alcohol	4.73	59	219088	261.767	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	213332	46.617	ug/l	99
13) Acrolein	3.57	56	128711	394.223	ug/l	98
14) Allyl chloride	4.28	41	391300	48.145	ug/l	97
15) Acrylonitrile	4.93	53	573110	244.511	ug/l	99
16) Acetone	3.77	43	493215	254.460	ug/l	99
17) Carbon Disulfide	4.01	76	601155	44.134	ug/l	100
18) Methyl Acetate	4.28	43	269396	54.206	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	836456	49.271	ug/l	98
20) Methylene Chloride	4.51	84	262494	48.144	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	248020	49.056	ug/l	97
22) Diisopropyl ether	5.90	45	870185	47.778	ug/l	97
23) Vinyl Acetate	5.84	43	3680370	253.252	ug/l	100
24) 1,1-Dichloroethane	5.80	63	477801	47.588	ug/l	100
25) 2-Butanone	6.78	43	811395	270.354	ug/l	100
26) 2,2-Dichloropropane	6.78	77	418152	45.966	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	292817	47.648	ug/l	98
28) Bromochloromethane	7.15	49	253492	48.325	ug/l	98
29) Tetrahydrofuran	7.16	42	533471	257.067	ug/l	97
30) Chloroform	7.33	83	500598	47.655	ug/l	99
31) Cyclohexane	7.61	56	398495	44.858	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	442292	48.862	ug/l	99
36) 1,1-Dichloropropene	7.75	75	362802	49.166	ug/l	99
37) Ethyl Acetate	6.88	43	352887	50.640	ug/l #	96
38) Carbon Tetrachloride	7.73	117	369002	49.309	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	388120	46.819	ug/l	98
40) Benzene	8.00	78	1078681	49.744	ug/l	100
41) Methacrylonitrile	7.13	41	153907m	49.509	ug/l	
42) 1,2-Dichloroethane	8.09	62	416806	51.457	ug/l	100
43) Isopropyl Acetate	8.13	43	631381	52.465	ug/l #	91
44) Trichloroethene	8.80	130	281343	53.490	ug/l	97
45) 1,2-Dichloropropane	9.08	63	282825	49.261	ug/l	97
46) Dibromomethane	9.17	93	198927	52.284	ug/l	98
47) Bromodichloromethane	9.37	83	417783	51.228	ug/l	99
48) Methyl methacrylate	9.17	41	292000	53.824	ug/l	96
49) 1,4-Dioxane	9.17	88	92010	1096.533	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1832765	280.260	ug/l	100
52) Toluene	10.13	92	689409	51.037	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	450940	50.550	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	473276	50.542	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	268230	51.850	ug/l	99
56) Ethyl methacrylate	10.40	69	408473	51.884	ug/l	100
57) 1,3-Dichloropropane	10.68	76	469703	50.966	ug/l	100
59) 2-Hexanone	10.72	43	1324175	288.122	ug/l	99
60) Dibromochloromethane	10.87	129	303690	53.099	ug/l	98
61) 1,2-Dibromoethane	10.98	107	279810	52.031	ug/l	97
64) Tetrachloroethene	10.60	164	277046	53.321	ug/l	94
65) Chlorobenzene	11.41	112	706821	48.501	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	264947	48.967	ug/l	99
67) Ethyl Benzene	11.49	91	1337746	50.318	ug/l	99
68) m/p-Xylenes	11.59	106	984579	99.992	ug/l	100
69) o-Xylene	11.92	106	476861	50.132	ug/l	98
70) Stvrene	11.94	104	819018	50.100	ug/l	100
71) Bromoform	12.10	173	191113	52.047	ug/l #	97
73) Isopropylbenzene	12.23	105	1301531	50.240	ug/l	99
74) N-amyl acetate	12.05	43	554470	51.671	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	360602	48.281	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	331425m	49.941	ug/l	
77) Bromobenzene	12.50	156	290937	49.657	ug/l	97
78) n-propylbenzene	12.57	91	1510412	50.384	ug/l	99
79) 2-Chlorotoluene	12.65	91	869109	48.405	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1085725	50.350	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	127527	46.446	ug/l	98
82) 4-Chlorotoluene	12.75	91	928295	49.850	ug/l	98
83) tert-Butylbenzene	12.97	119	895431	48.419	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1093816	50.325	ug/l	99
85) sec-Butylbenzene	13.15	105	1227983	50.949	ug/l	100
86) p-Isopropyltoluene	13.26	119	1099257	51.371	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	540911	50.255	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	537344	48.215	ug/l	99
89) n-Butylbenzene	13.59	91	997897	50.479	ug/l	98
90) Hexachloroethane	13.85	117	180311	45.520	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	534557	51.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	83299	50.729	ug/l	98
93) 1,2,4-Trichlorobenzene	14.88	180	286047	49.020	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	101165	46.408	ug/l	96
95) Naphthalene	15.11	128	962130	49.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	273362	48.083	ug/l	99

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

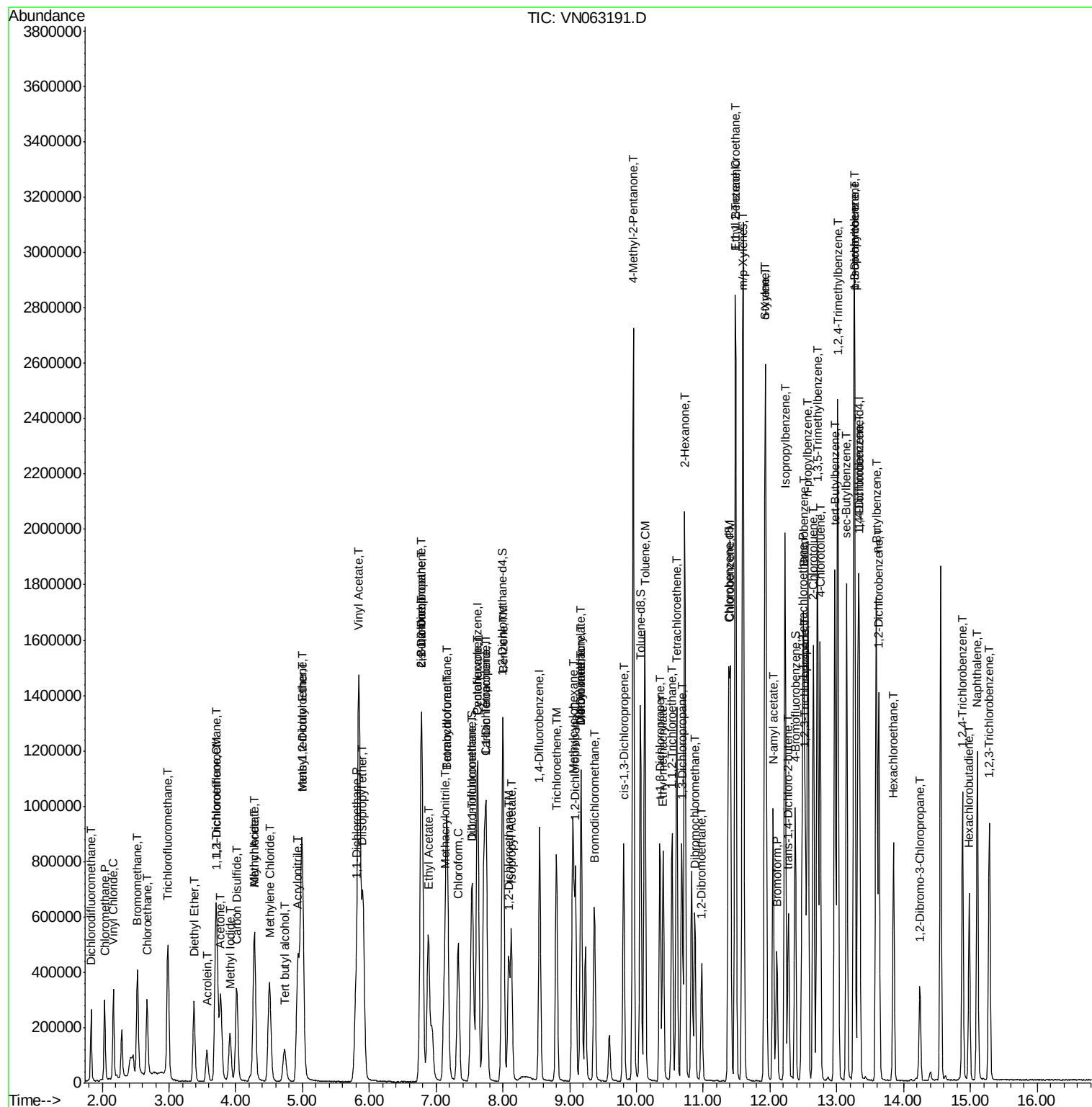
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Data File : VN063191.D
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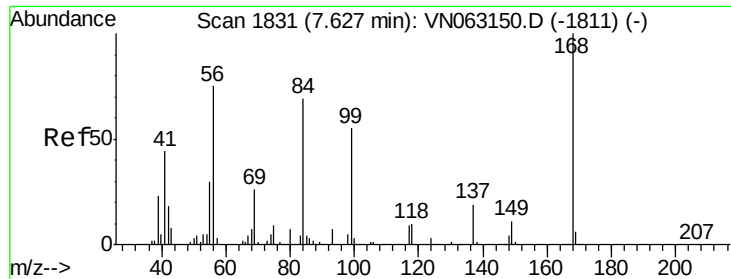
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:168 Resp: 417103

Ion Ratio Lower Upper

168 100

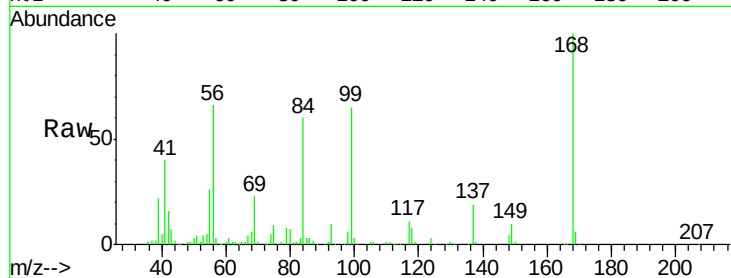
99 65.1 54.2 81.2

Manual Integrations

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9/3/2020 9:29:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

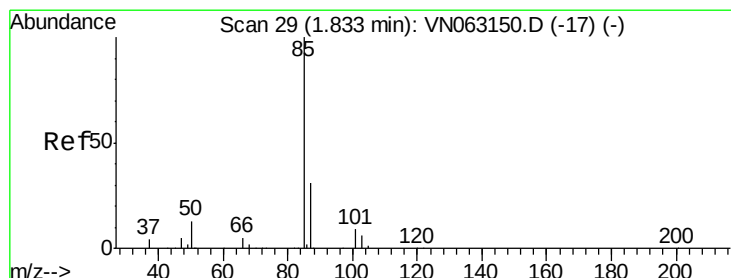
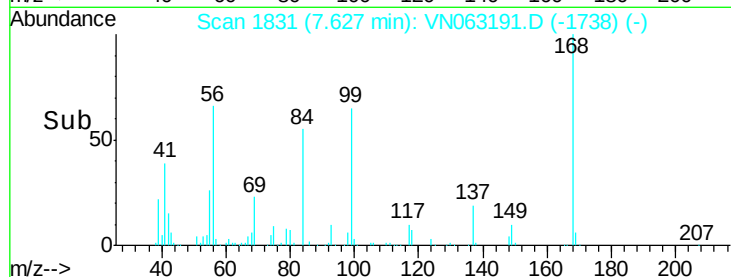
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.959 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063191.D

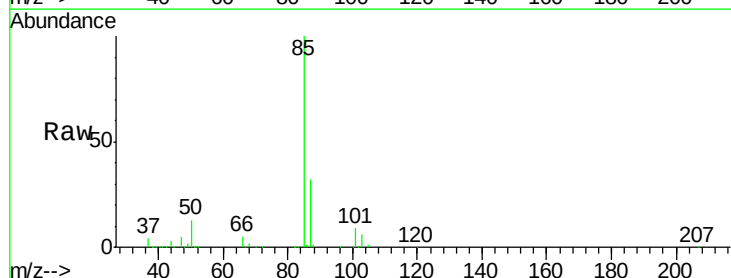
Acq: 2 Sep 2020 13:29

Tgt Ion: 85 Resp: 188788

Ion Ratio Lower Upper

85 100

87 32.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

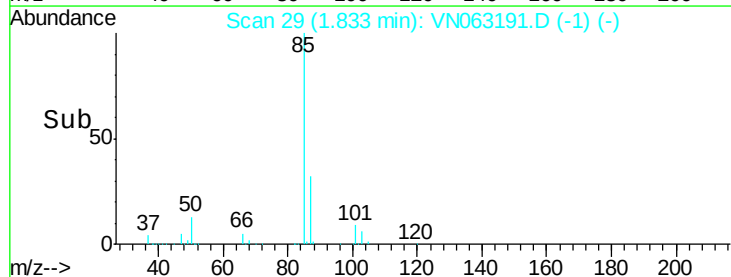
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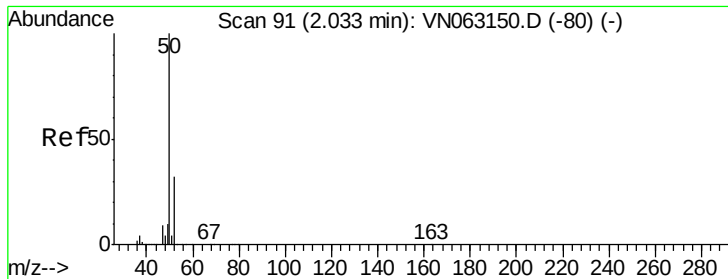
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.026 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tot Ion: 50 Resp: 257360

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6

Instrument :

MSVOA_N

ClientSampleId :

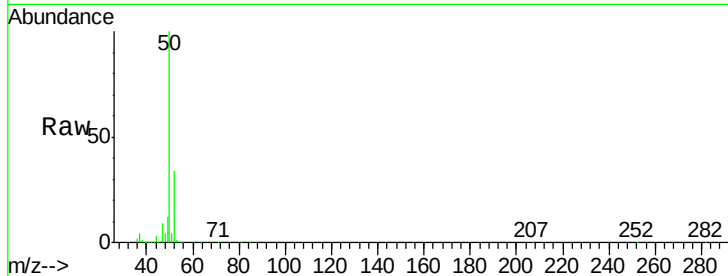
BP-VPB181-GW-783-785MSD

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9/3/2020 9:29:02 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

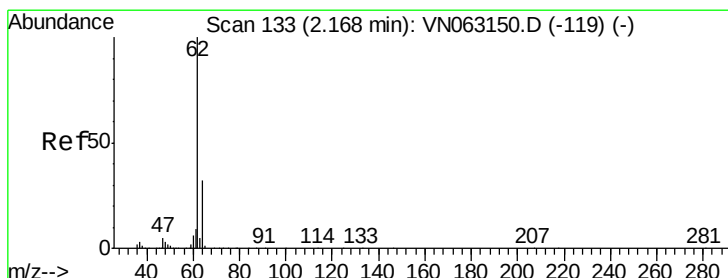
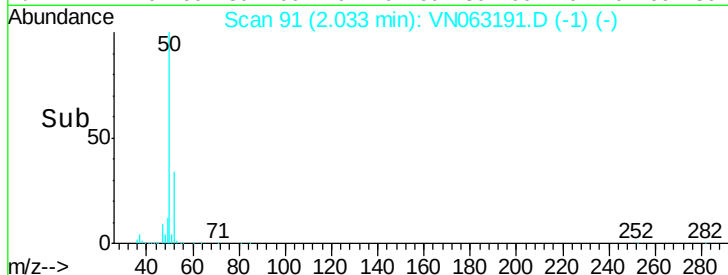
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 43.148 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063191.D

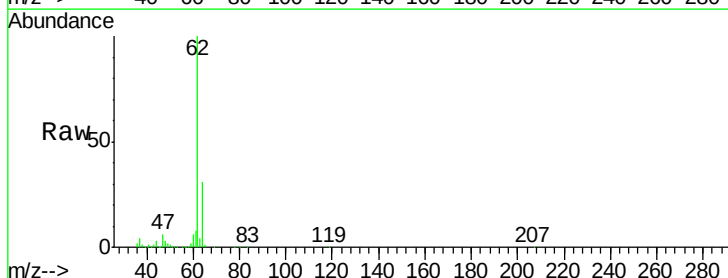
Acq: 2 Sep 2020 13:29

Tgt Ion: 62 Resp: 285095

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

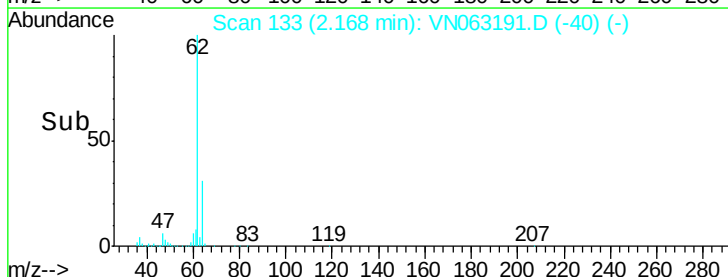
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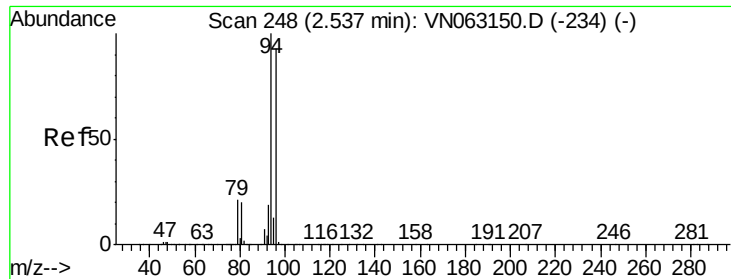
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 45.439 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

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BP-VPB181-GW-783-785MSD

Tot Ion: 94 Resp: 252725

Ion Ratio Lower Upper

94 100

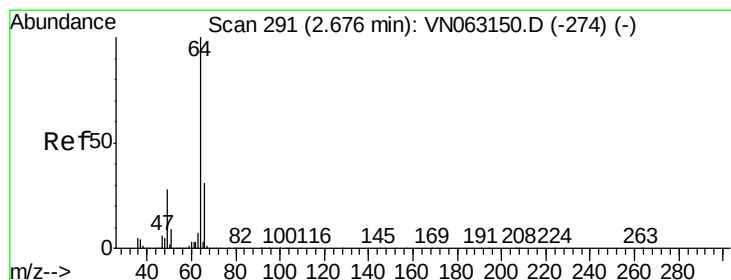
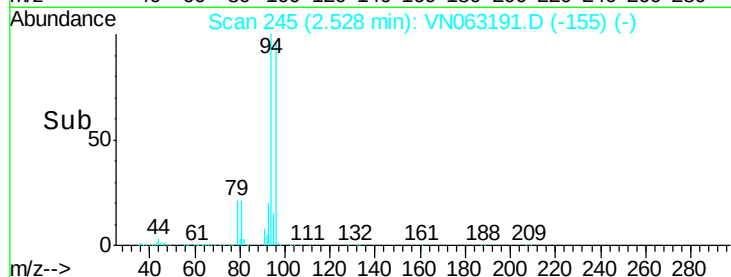
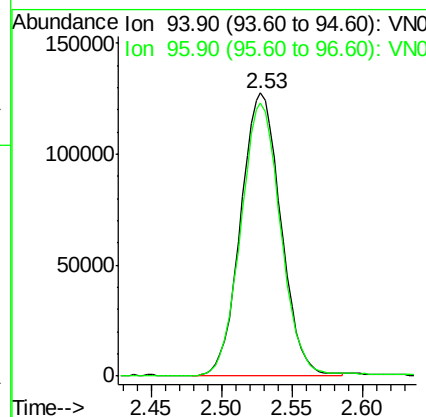
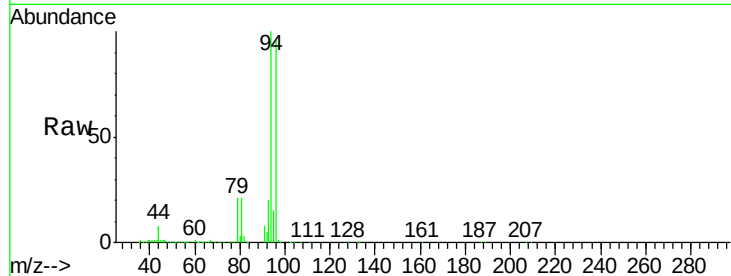
96 96.4 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 47.065 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063191.D

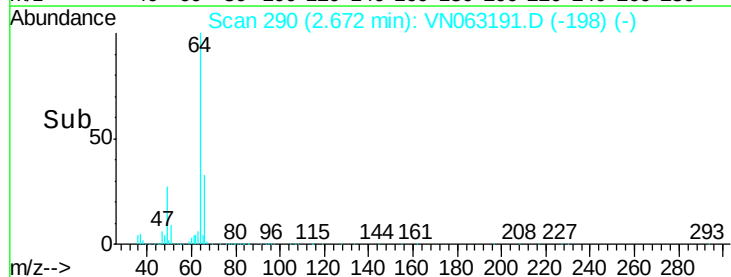
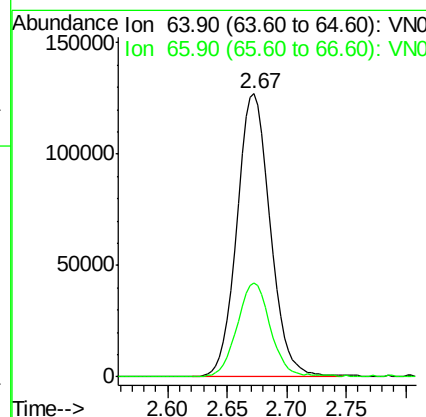
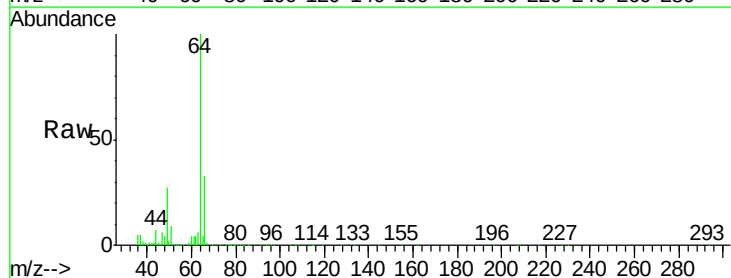
Acq: 2 Sep 2020 13:29

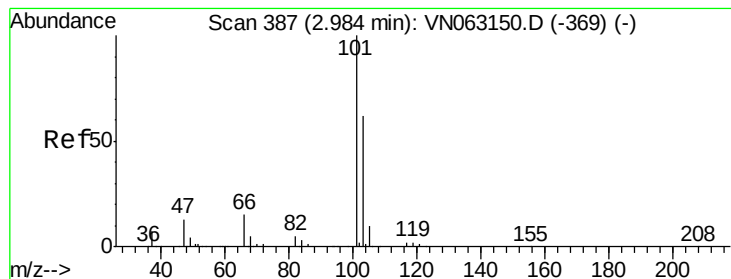
Tgt Ion: 64 Resp: 247254

Ion Ratio Lower Upper

64 100

66 33.0 24.7 37.1





#7

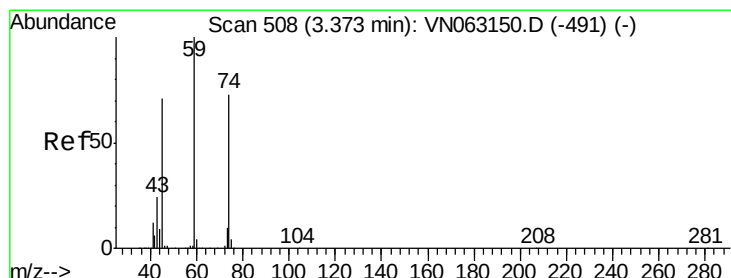
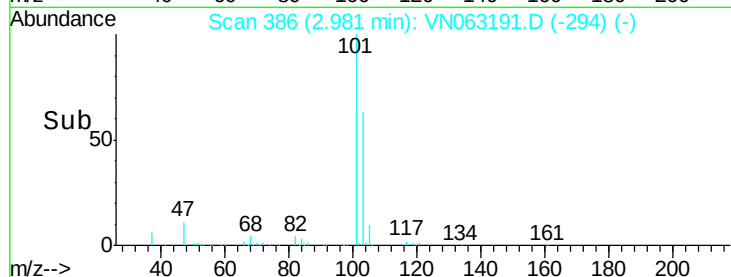
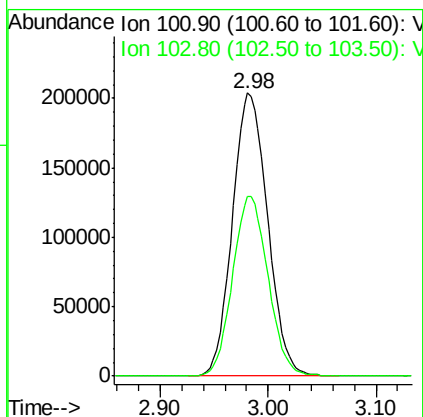
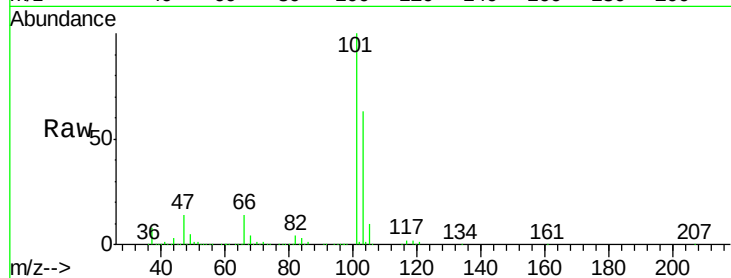
Trichlorofluoromethane
Concen: 50.749 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	49.7	74.5

Manual Integrations
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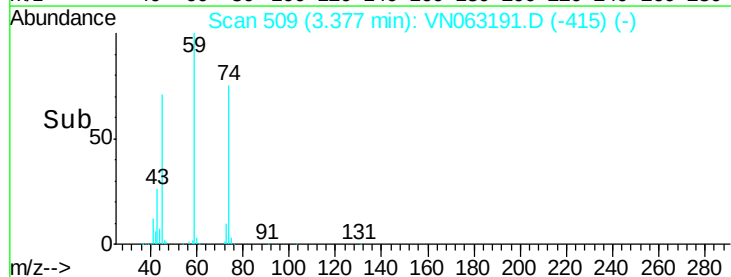
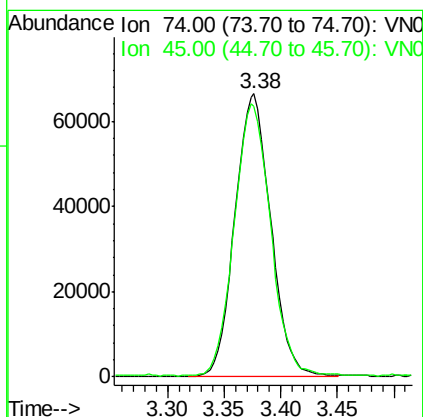
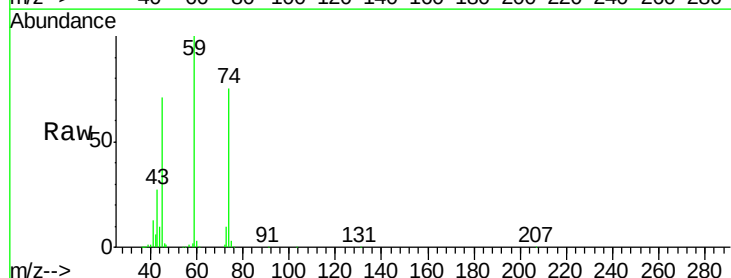
MMDadoda
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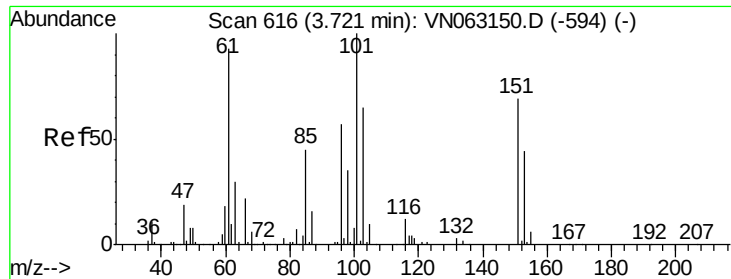


#8

Diethyl Ether
Concen: 46.532 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.134 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063191.D

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Instrument :

MSVOA_N

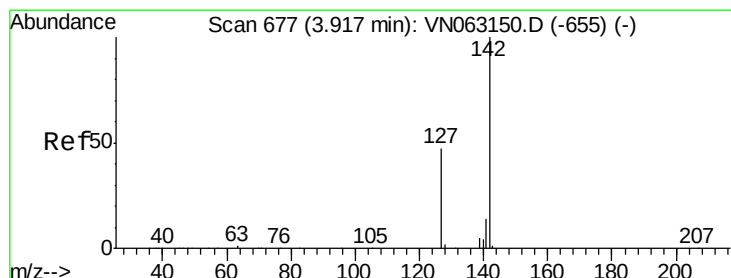
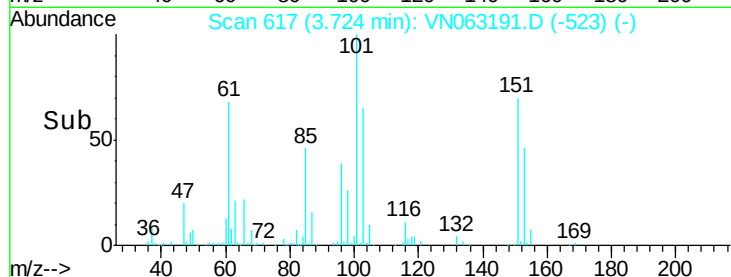
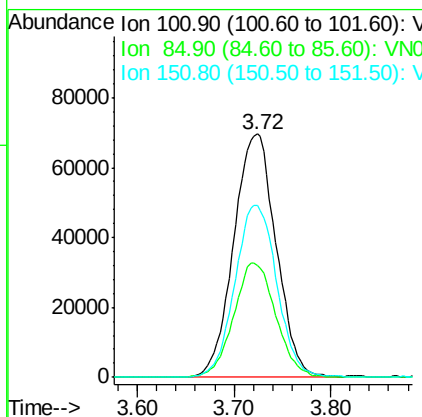
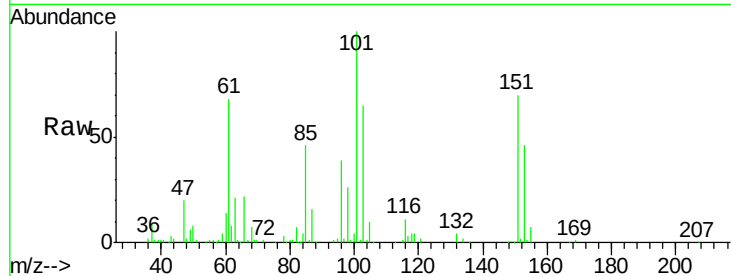
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	101	Resp:	211683
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.8	56.8
151	70.1	55.0	82.4

Manual Integrations
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9/3/2020 9:29:02 AM



#10

Methyl Iodide

Concen: 44.140 ug/l

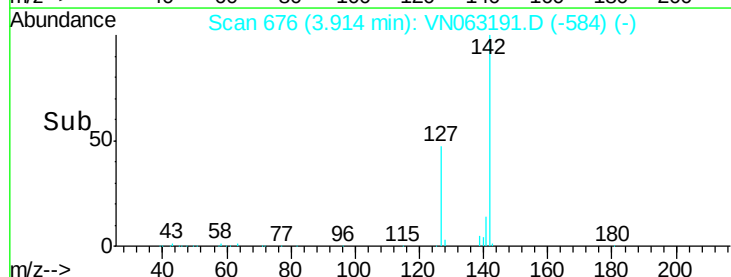
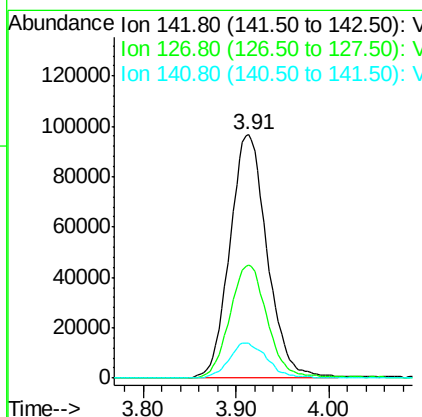
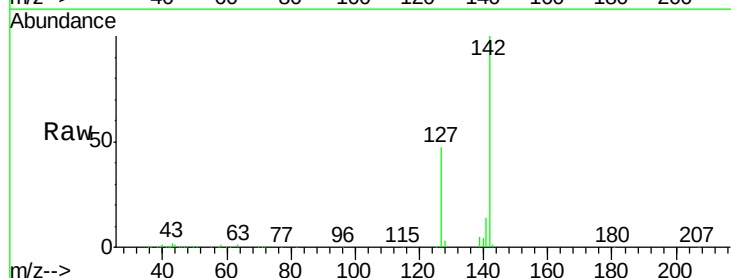
RT: 3.91 min Scan# 676

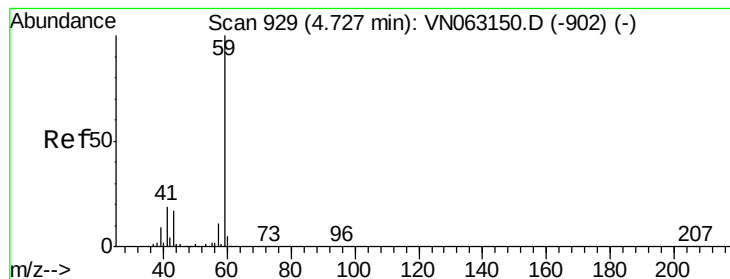
Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	142	Resp:	270368
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.6	56.4
141	14.8	11.3	16.9





#11

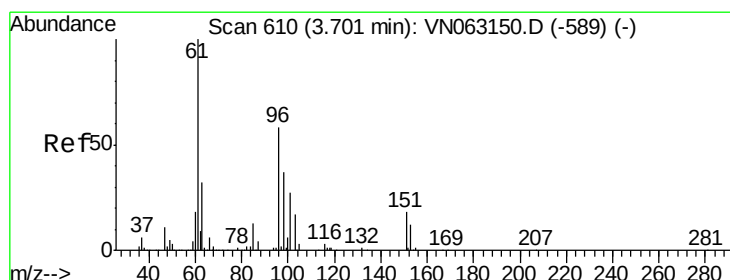
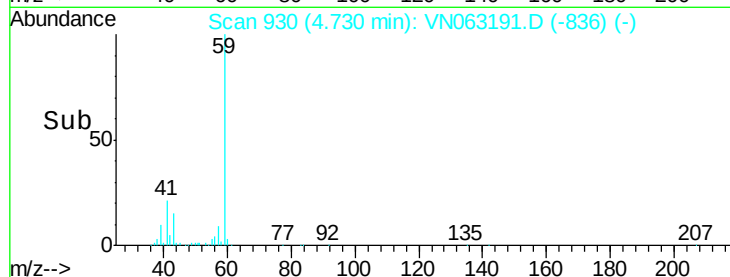
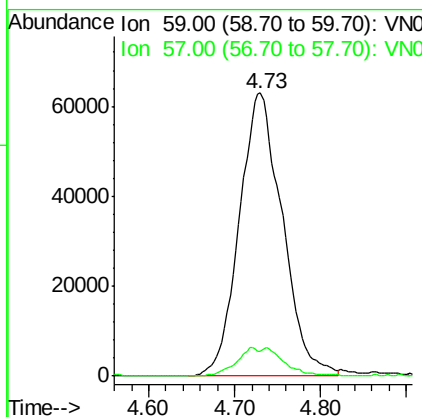
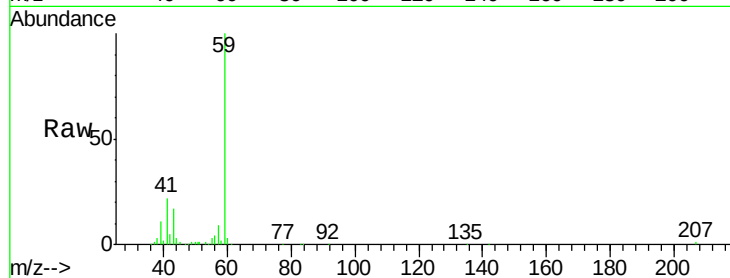
Tert butyl alcohol
 Concen: 261.767 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	59	Resp	219088
Ion Ratio	100	Lower	Upper
57	5.1	8.4	12.6#

Manual Integrations
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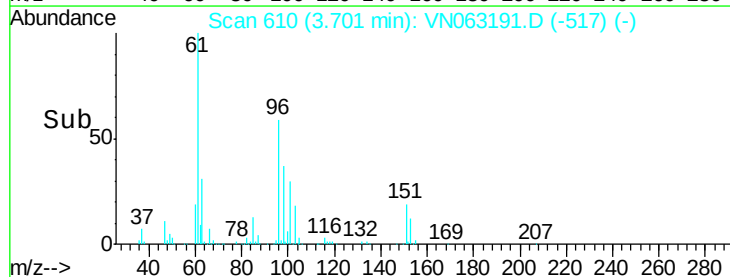
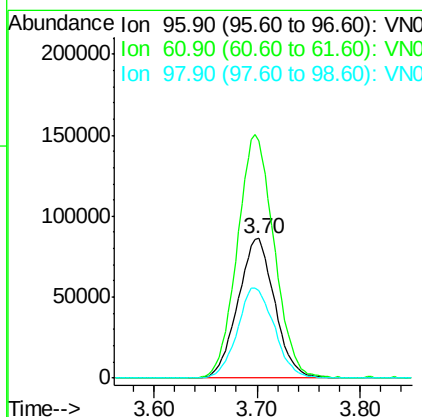
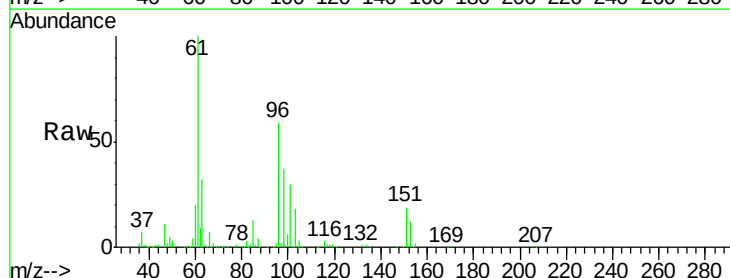
MMDadoda
 9/3/2020 9:29:02 AM

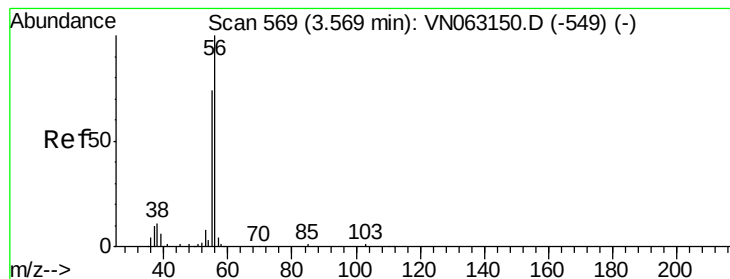


#12

1,1-Dichloroethene
 Concen: 46.617 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	96	Resp	213332
Ion Ratio	100	Lower	Upper
61	169.7	137.4	206.2
98	62.6	50.5	75.7





#13

Acrolein

Concen: 394.223 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 56 Resp: 128711

Ion Ratio Lower Upper

56 100

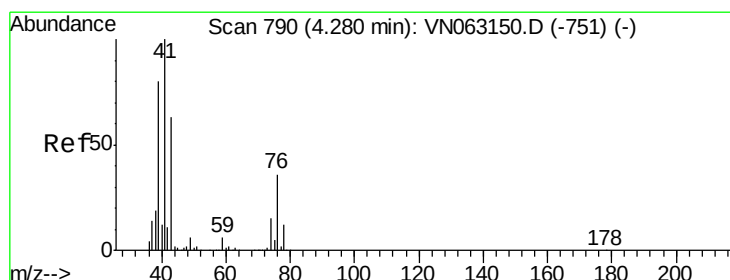
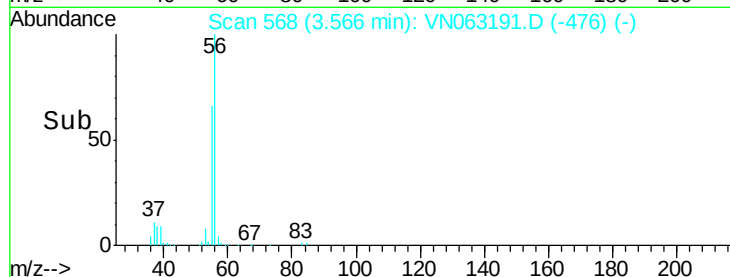
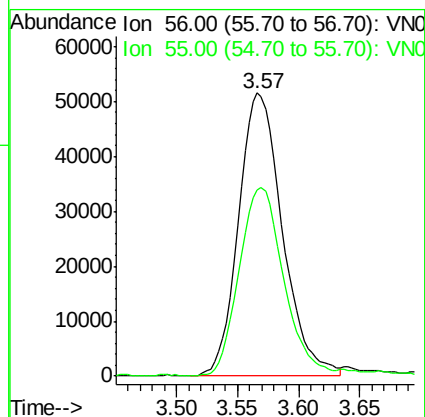
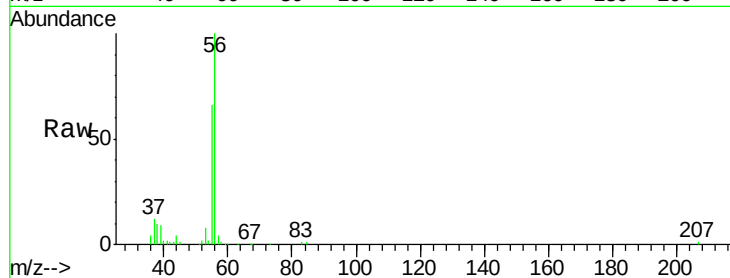
55 67.3 55.4 83.0

Manual Integrations

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MMDadoda

9/3/2020 9:29:02 AM



#14

Allyl chloride

Concen: 48.145 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

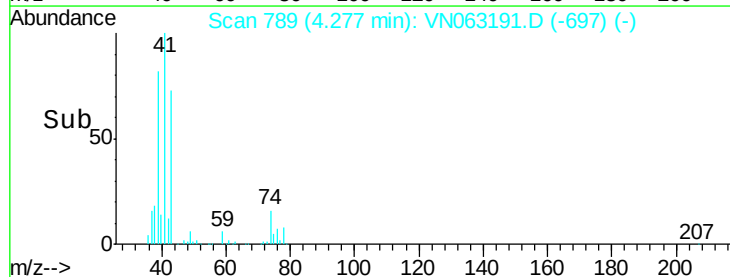
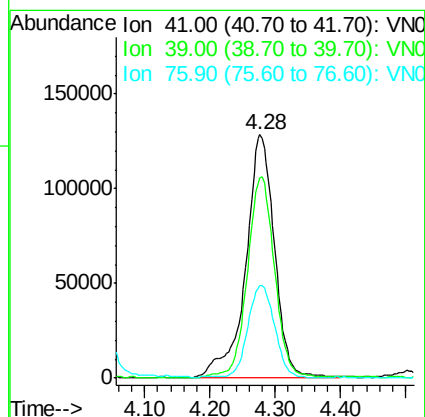
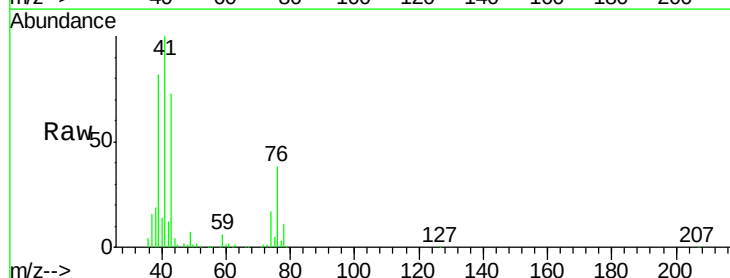
Tgt Ion: 41 Resp: 391300

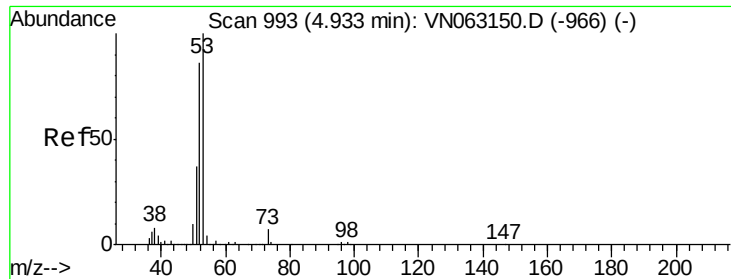
Ion Ratio Lower Upper

41 100

39 78.9 60.2 90.2

76 35.2 27.7 41.5





#15

Acrylonitrile

Concen: 244.511 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

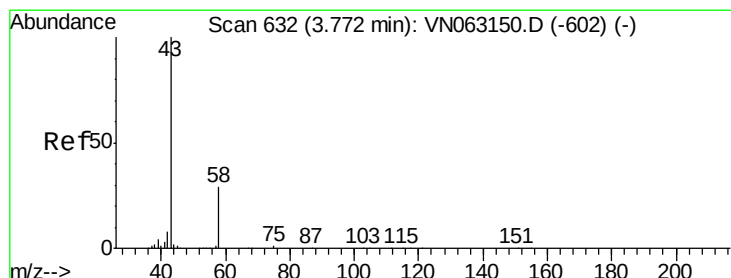
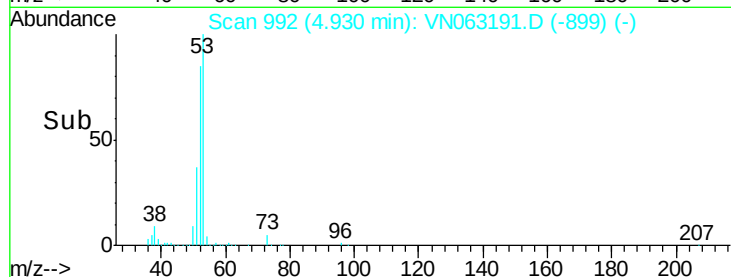
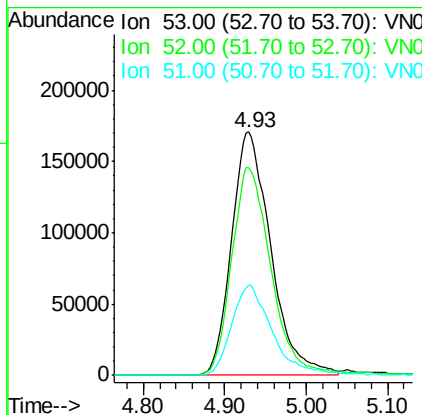
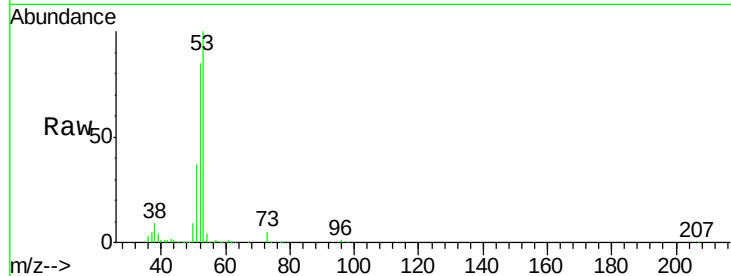
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	53	Resp:	573110
Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.2	100.8
51	38.4	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 254.460 ug/l

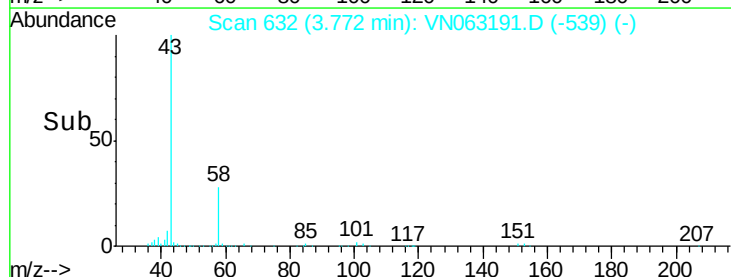
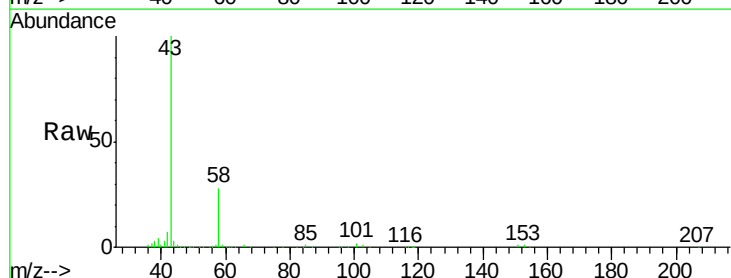
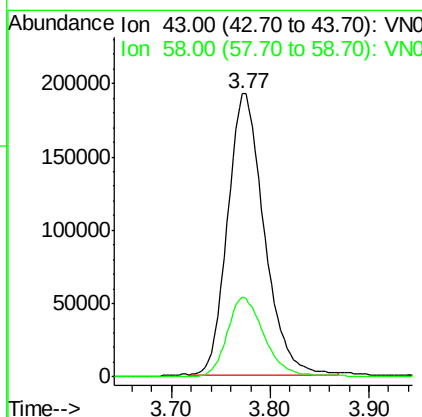
RT: 3.77 min Scan# 632

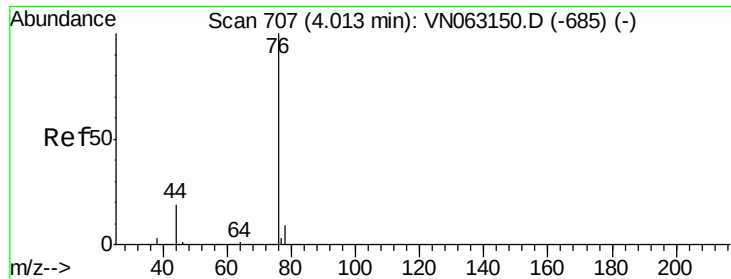
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	43	Resp:	493215
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.1	34.7





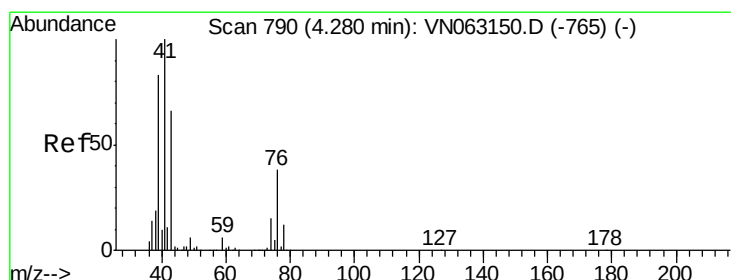
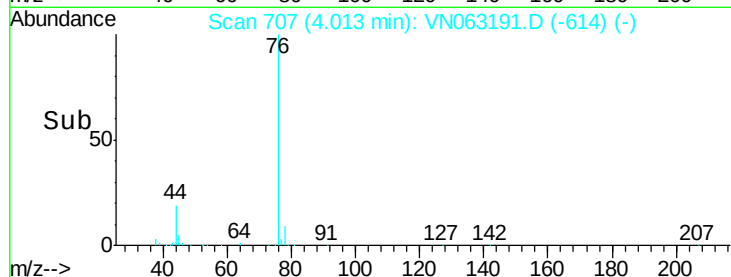
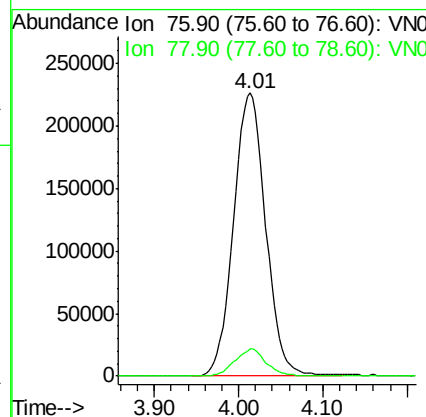
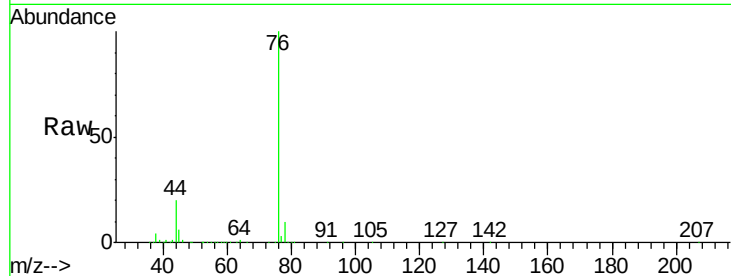
#17
Carbon Disulfide
Concen: 44.134 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

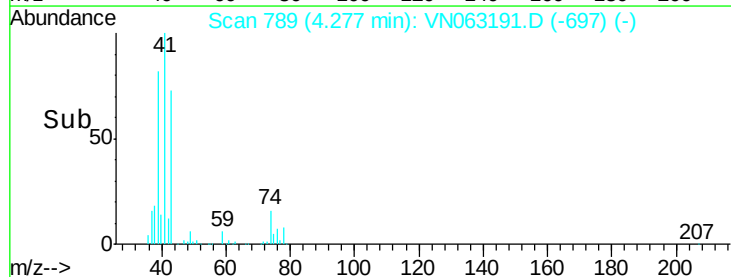
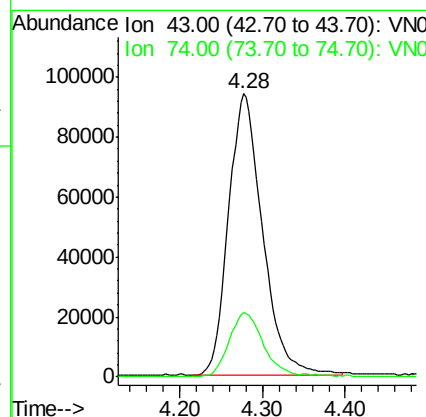
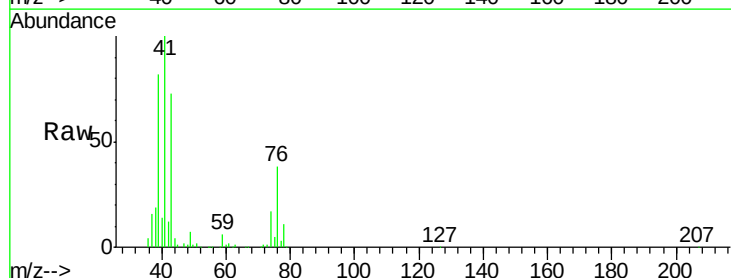
Manual Integrations
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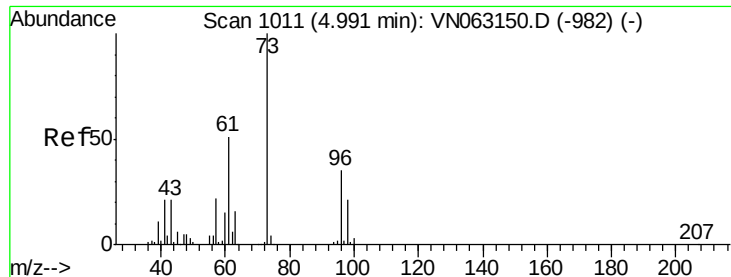
MMDadoda
9/3/2020 9:29:02 AM



#18
Methyl Acetate
Concen: 54.206 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.0	28.6





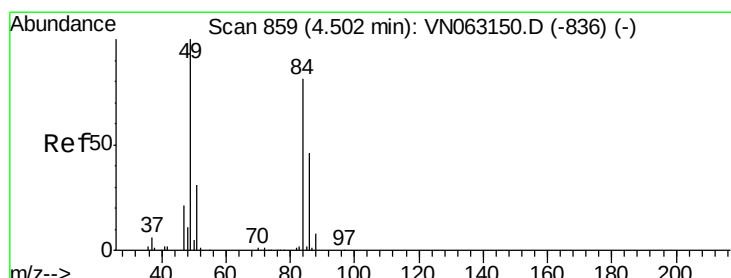
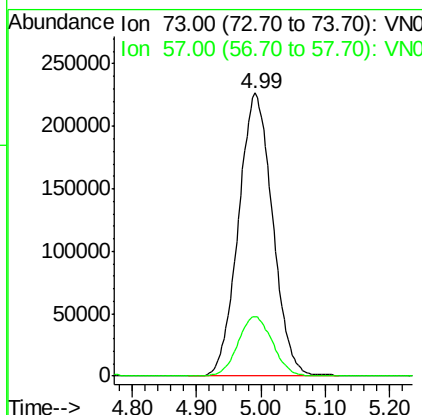
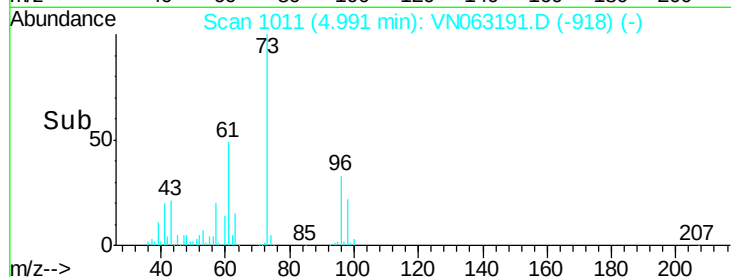
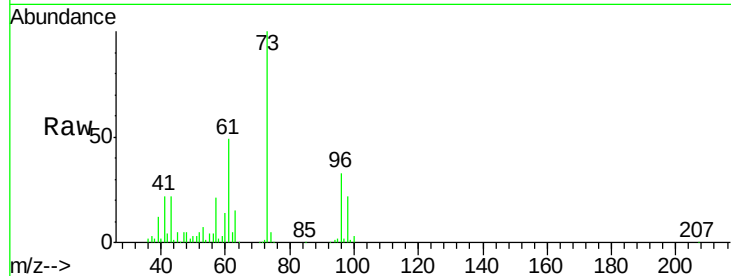
#19
Methvl tert-butvl Ether
Concen: 49.271 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion: 73 Resp: 836456
Ion Ratio Lower Upper
73 100
57 21.0 17.6 26.4

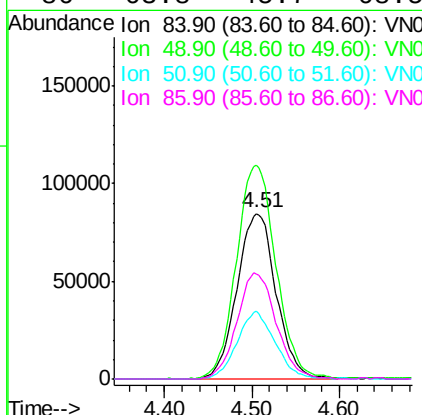
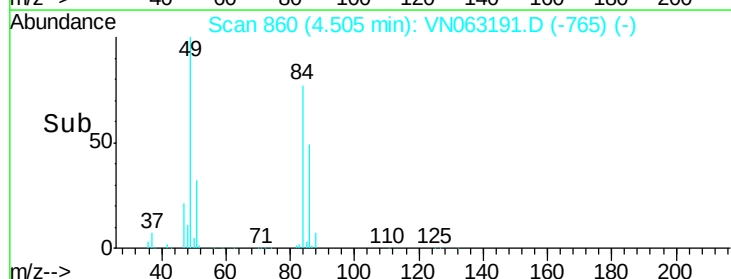
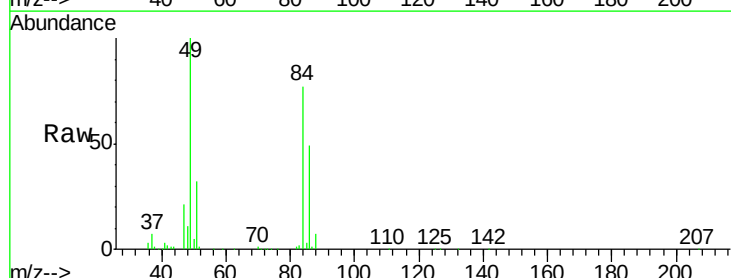
Manual Integrations
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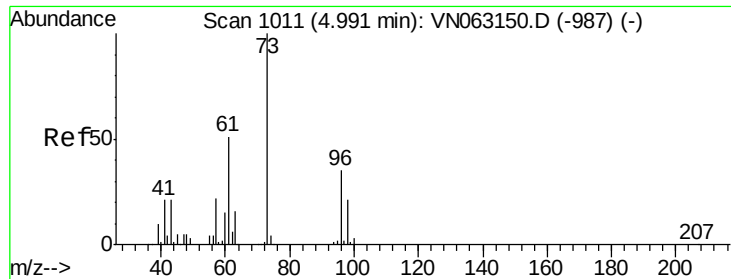
MMDadoda
9/3/2020 9:29:02 AM



#20
Methylene Chloride
Concen: 48.144 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion: 84 Resp: 262494
Ion Ratio Lower Upper
84 100
49 129.1 98.4 147.6
51 41.2 30.4 45.6
86 63.8 45.7 68.5





#21

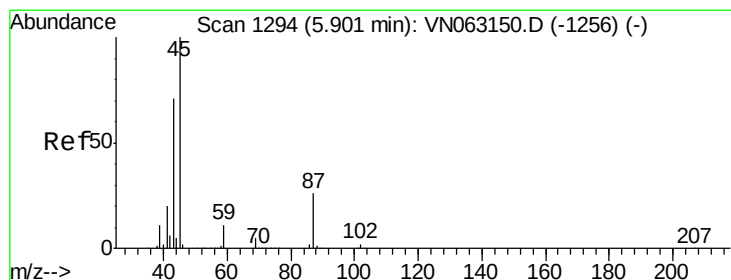
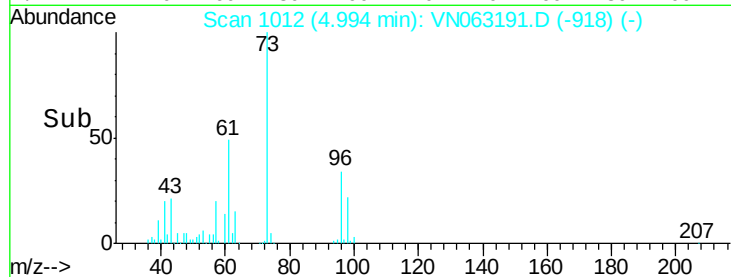
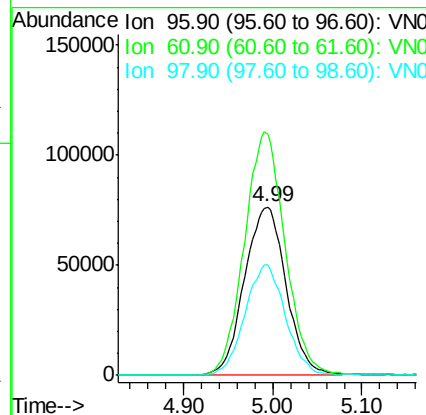
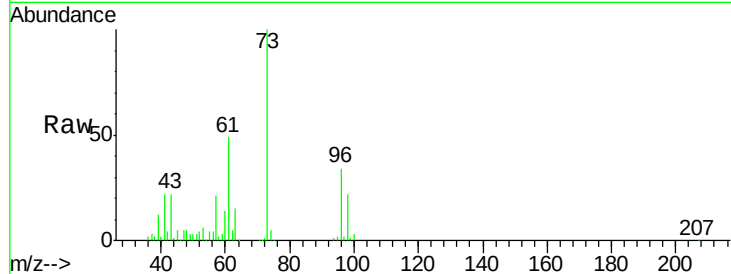
trans-1,2-Dichloroethene
Concen: 49.056 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	116.2	174.4
98	65.6	48.0	72.0

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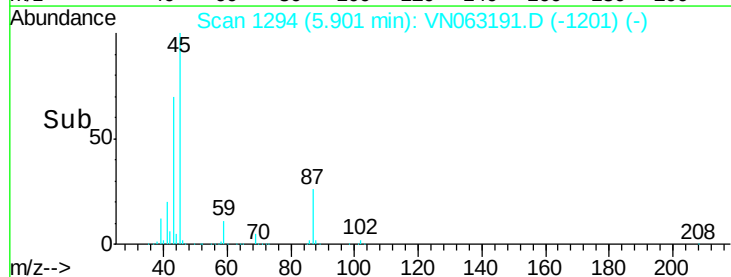
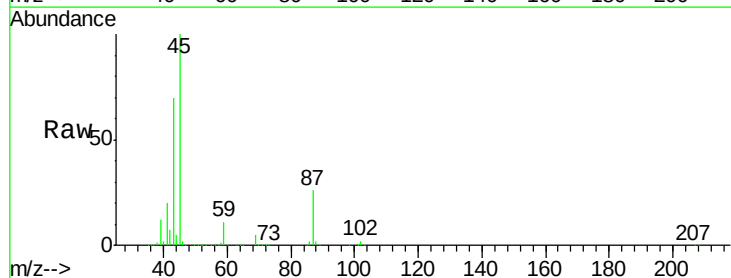
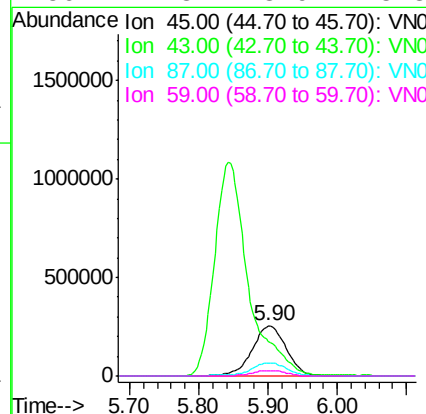
MMDadoda
9/3/2020 9:29:02 AM

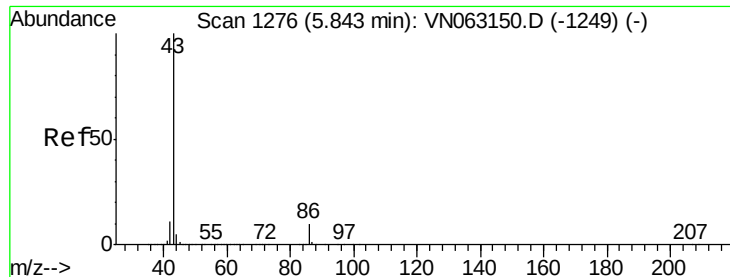


#22

Diisopropyl ether
Concen: 47.778 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	56.8	85.2
87	26.0	21.1	31.7
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 253.252 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 43 Resp: 3680370

Ion Ratio Lower Upper

43 100

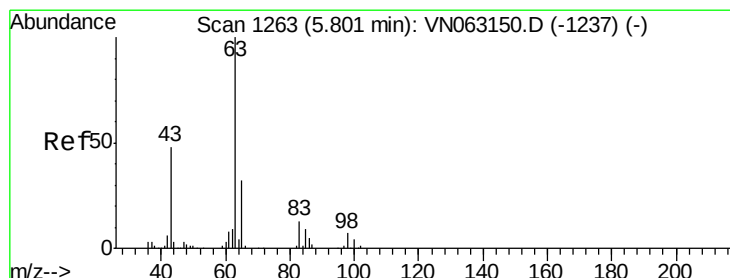
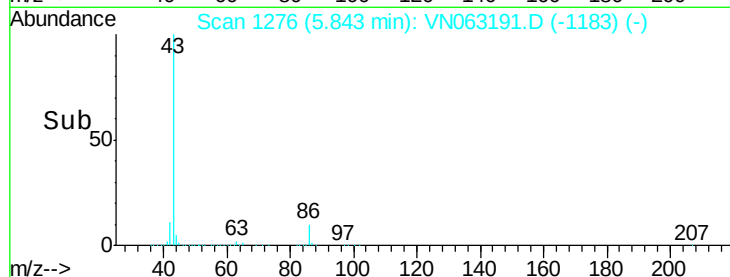
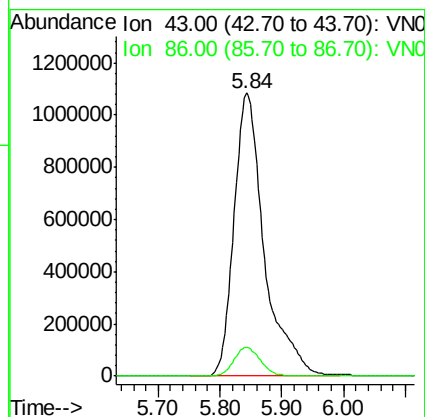
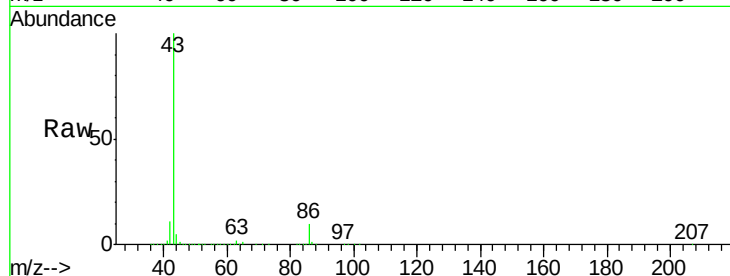
86 10.2 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/3/2020 9:29:02 AM



#24

1,1-Dichloroethane

Concen: 47.588 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

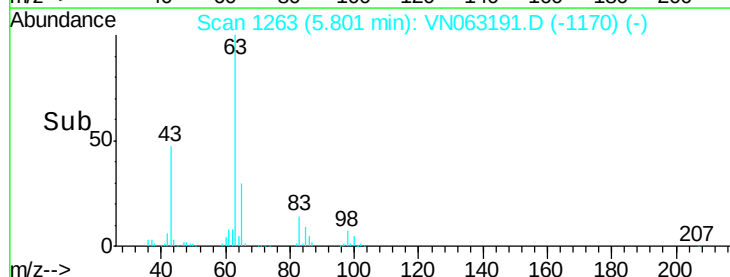
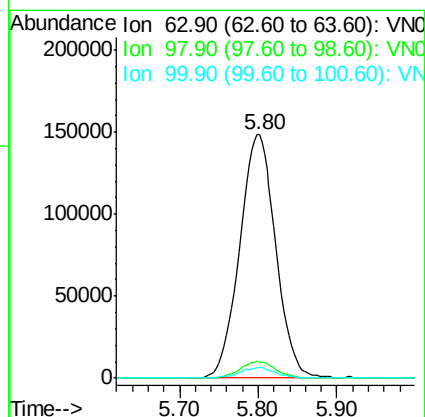
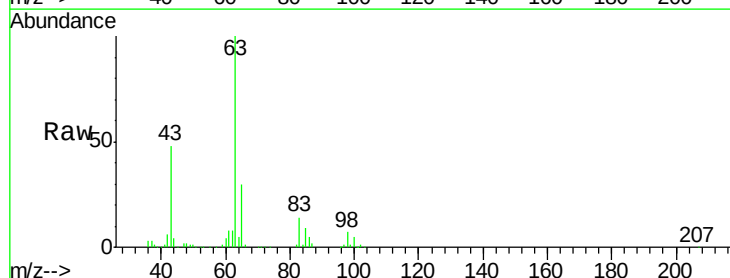
Tgt Ion: 63 Resp: 477801

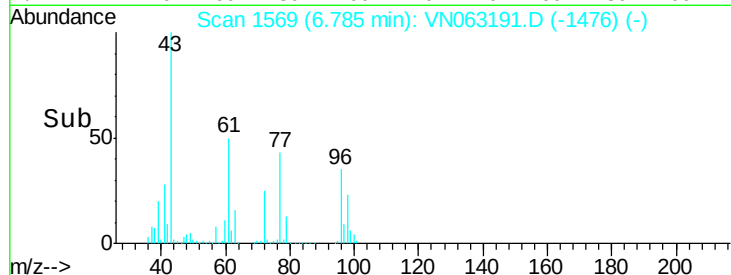
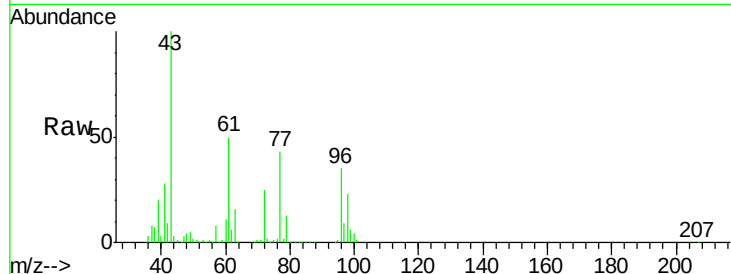
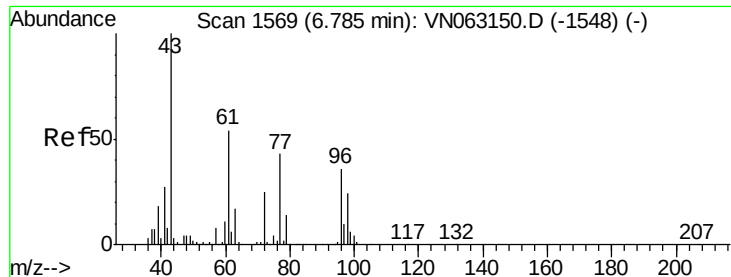
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.6 2.3 6.8





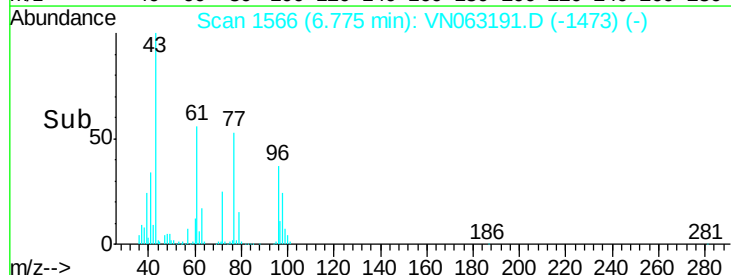
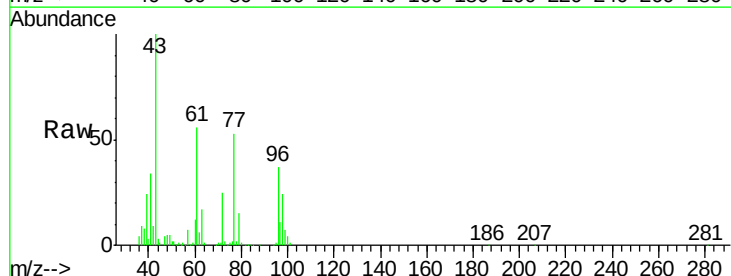
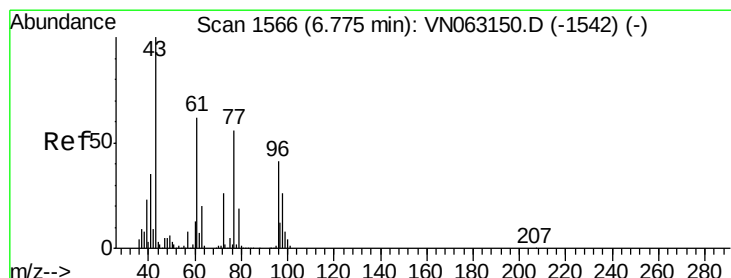
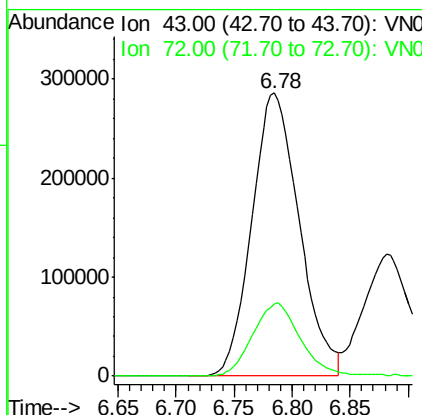
#25
2-Butanone
Concen: 270.354 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tot Ion: 43 Resp: 811395
Ion Ratio Lower Upper
43 100
72 25.5 20.2 30.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

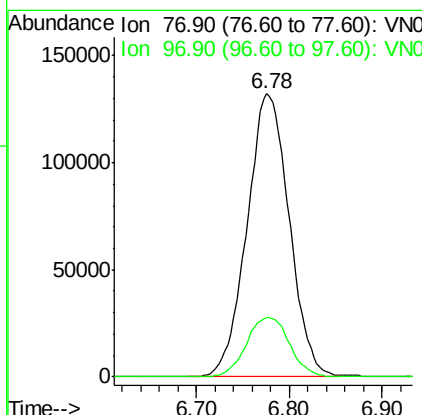
Manual Integrations
APPROVED

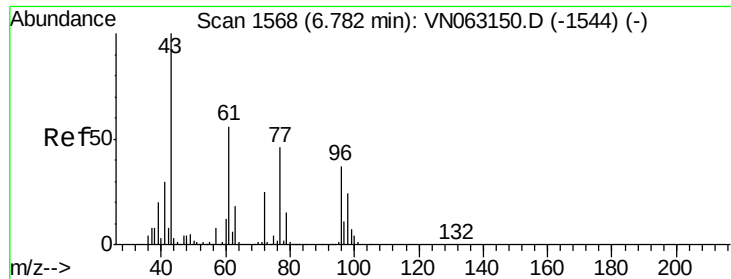
MMDadoda
9/3/2020 9:29:02 AM



#26
2,2-Dichloropropane
Concen: 45.966 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion: 77 Resp: 418152
Ion Ratio Lower Upper
77 100
97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 47.648 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

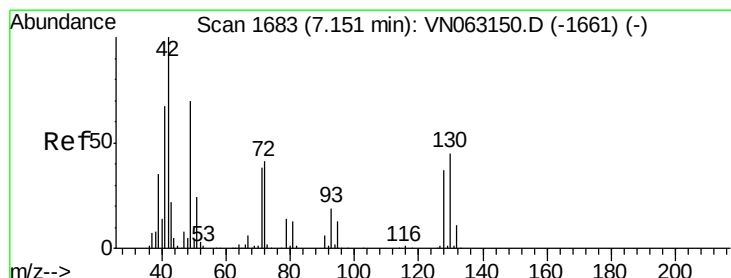
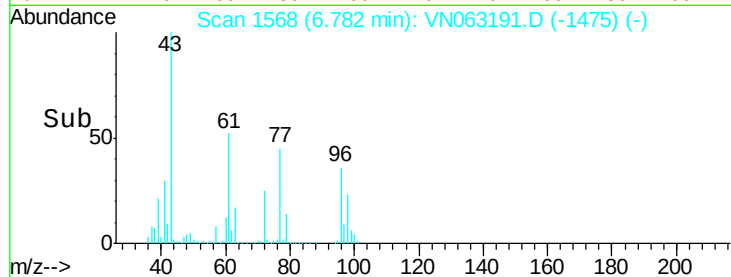
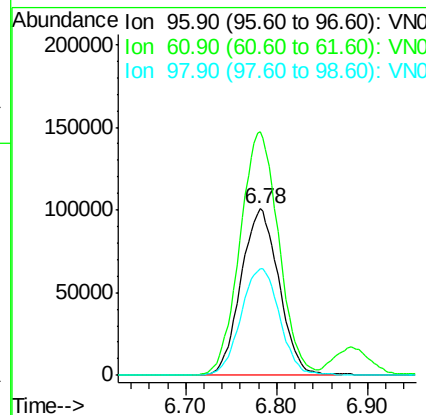
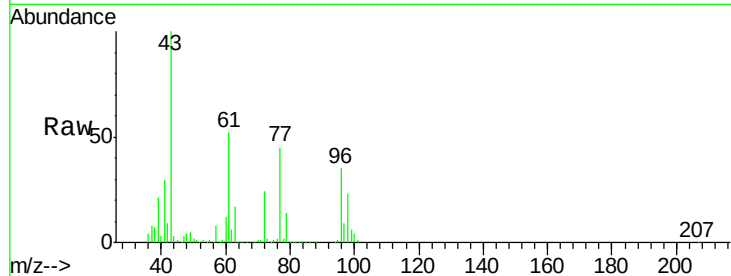
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	96	Resp:	292817
Ion Ratio	Lower	Upper	
96	100		
61	148.7	0.0	303.2
98	65.0	0.0	129.0

Manual Integrations
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9/3/2020 9:29:02 AM



#28

Bromochloromethane

Concen: 48.325 ug/l

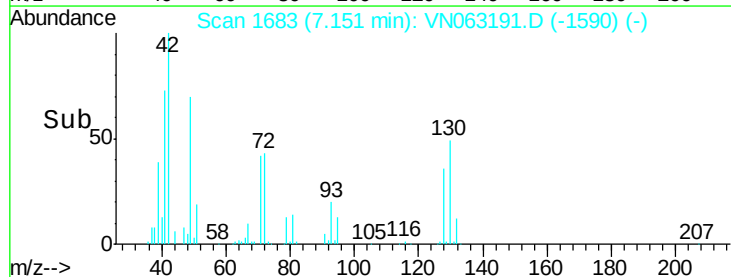
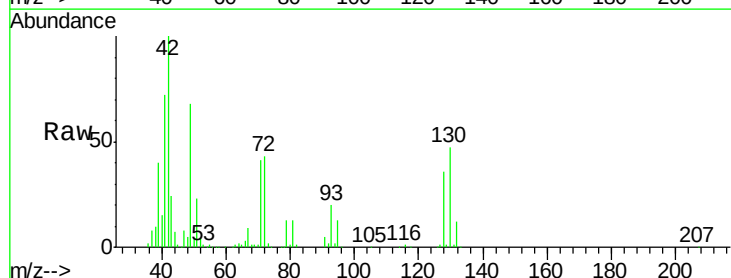
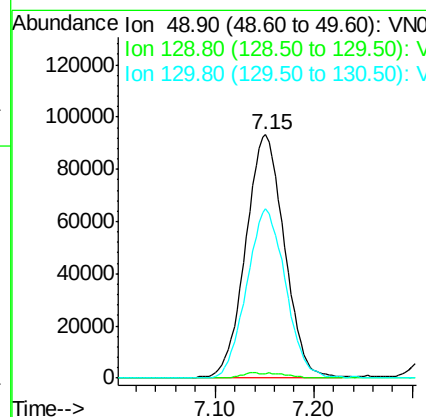
RT: 7.15 min Scan# 1683

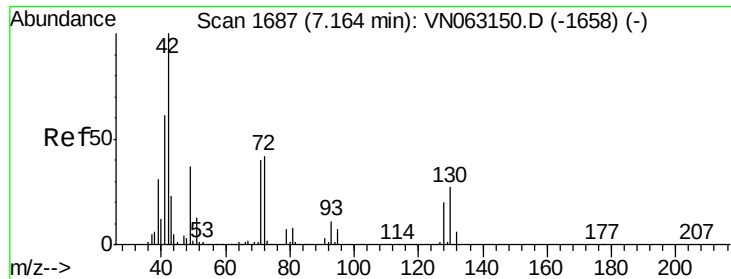
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	49	Resp:	253492
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	4.0
130	69.4	54.4	81.6





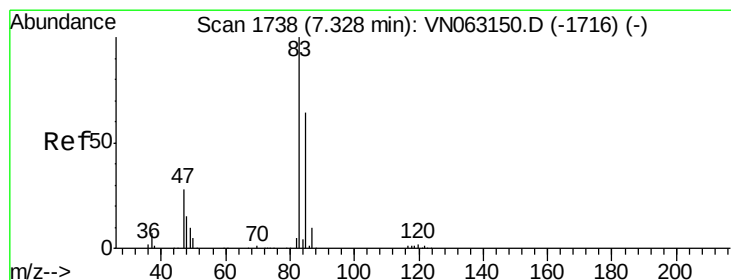
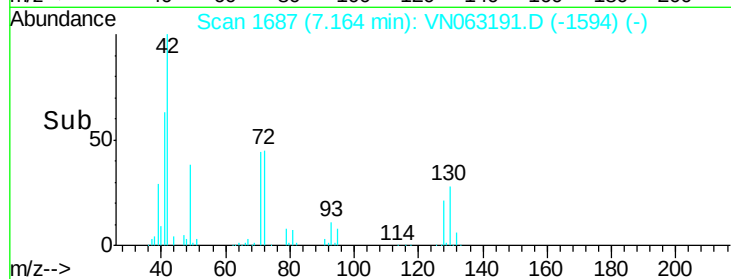
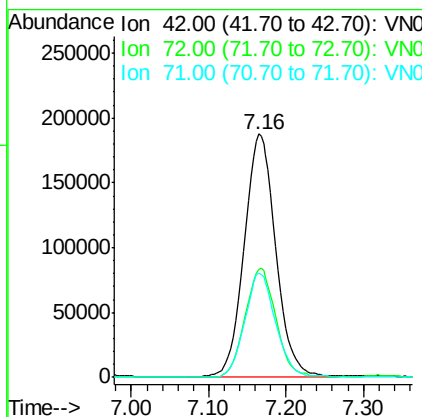
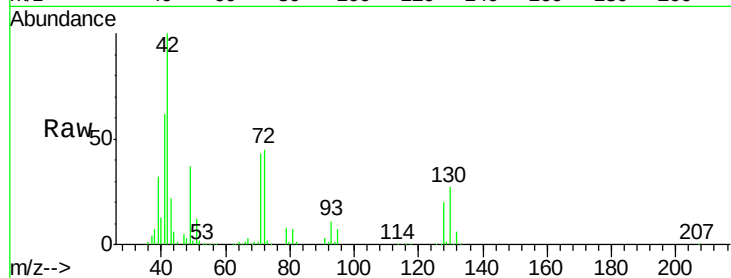
#29
Tetrahydrofuran
Concen: 257.067 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.9	50.9
71	42.2	31.9	47.9

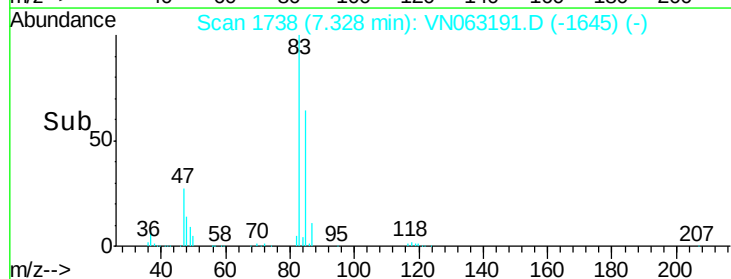
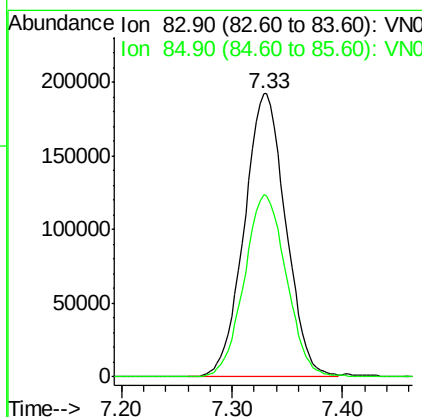
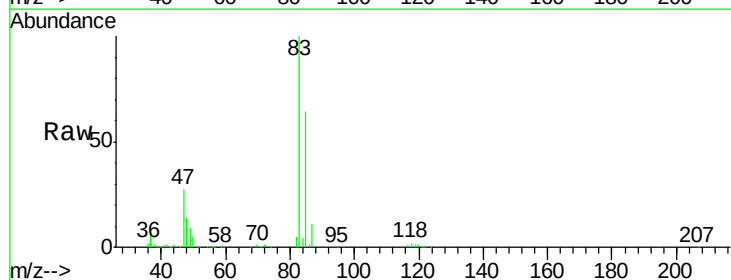
Manual Integrations
APPROVED

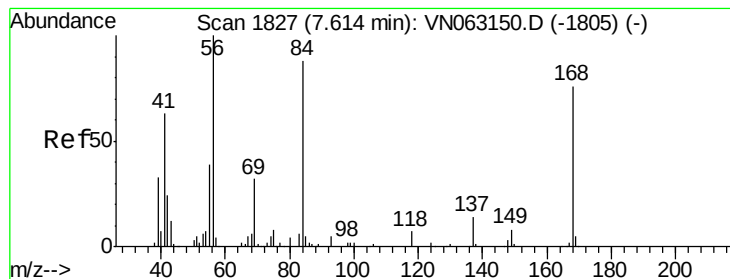
MMDadoda
9/3/2020 9:29:02 AM



#30
Chloroform
Concen: 47.655 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6





#31

Cyclohexane

Concen: 44.858 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 56 Resp: 398495

Ion Ratio Lower Upper

56 100

69 33.8 25.4 38.0

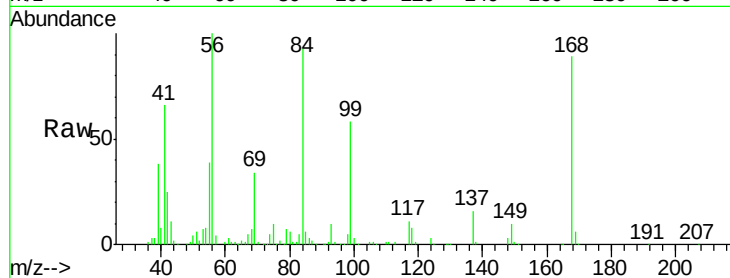
84 91.2 70.2 105.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN063191.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063191.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063191.D (-1734) (-)

250000

200000

150000

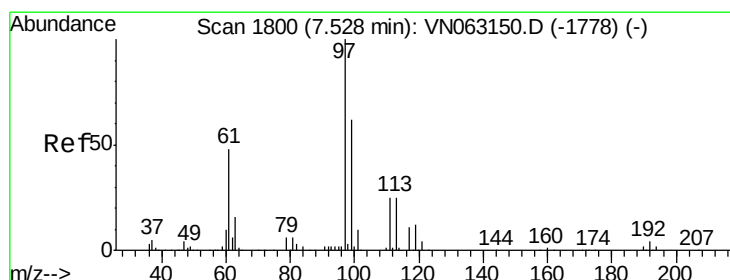
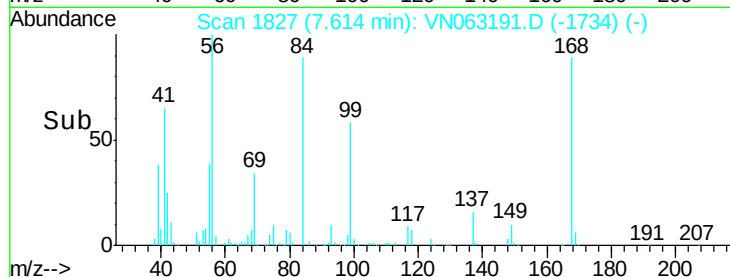
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 48.862 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

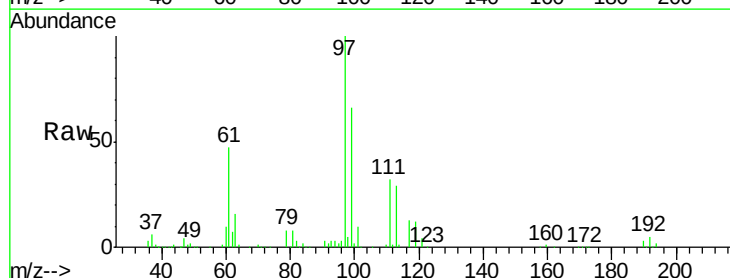
Tgt Ion: 97 Resp: 442292

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 46.3 37.4 56.2



Abundance Ion 96.90 (96.60 to 97.60): VN063191.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN063191.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN063191.D (-1707) (-)

200000

150000

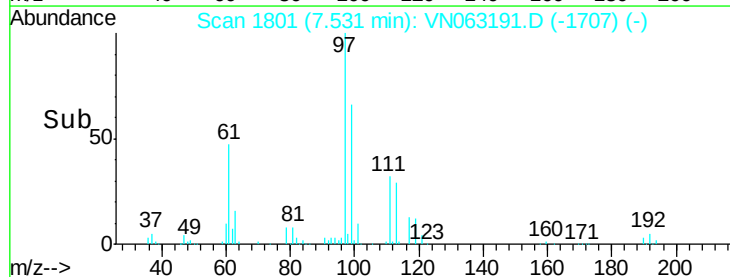
100000

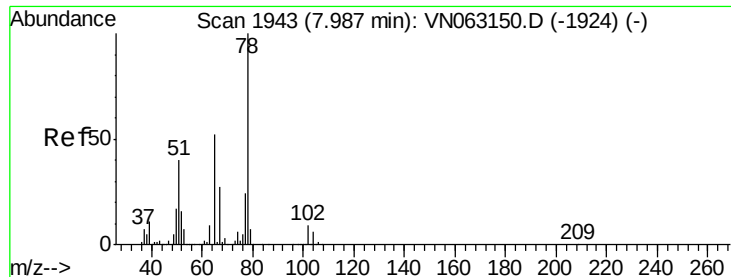
50000

0

7.40 7.50 7.60

Time-->





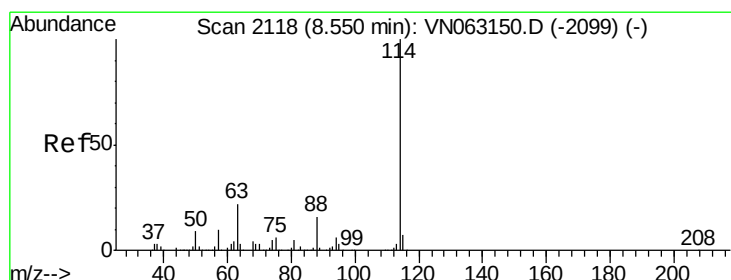
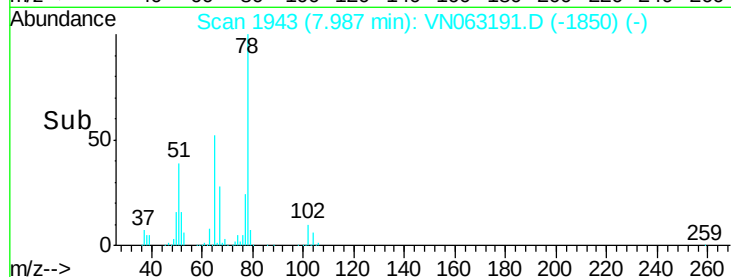
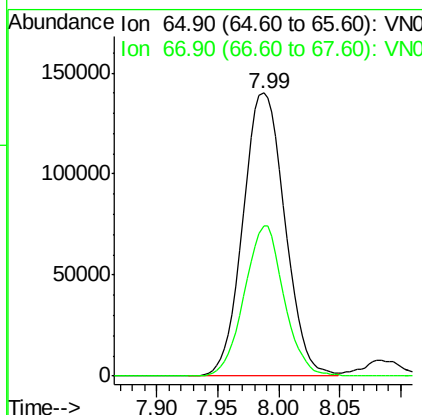
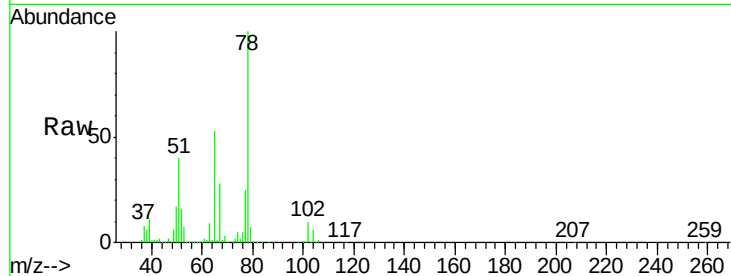
#33
 1,2-Dichloroethane-d4
 Concen: 48.817 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.3	0.0	104.4	

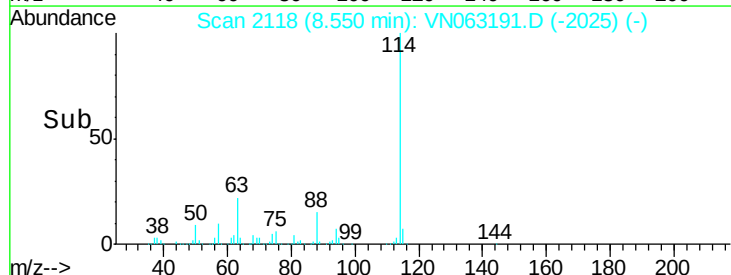
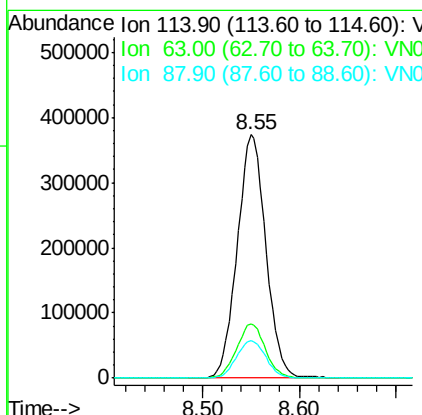
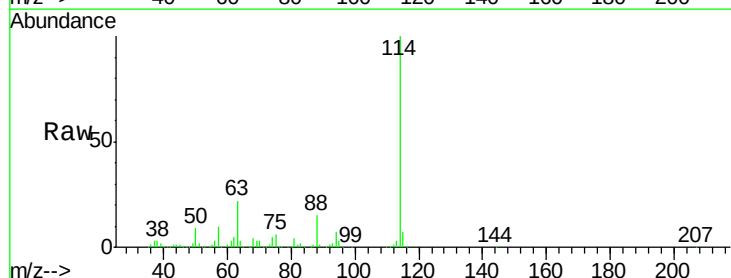
Manual Integrations
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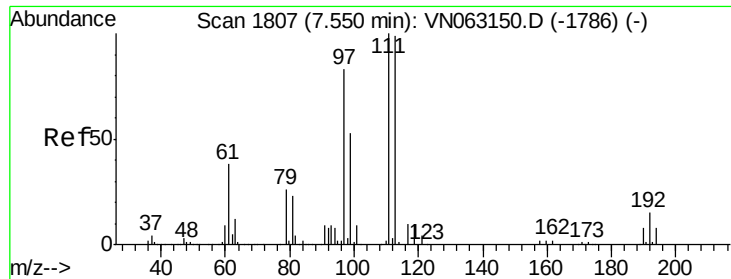
MMDadoda
 9/3/2020 9:29:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	43.0	
88	15.4	0.0	31.6	





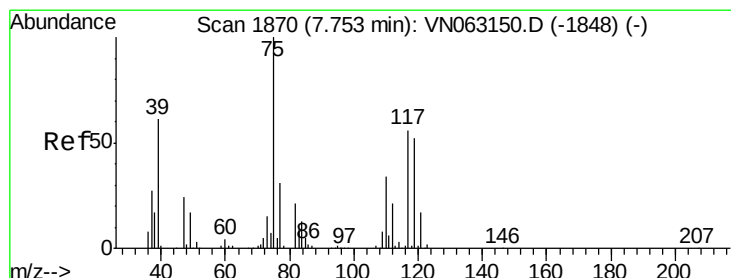
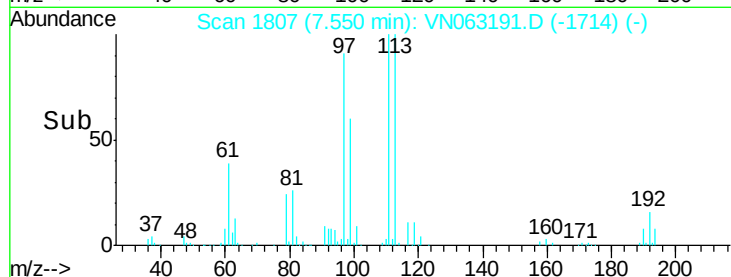
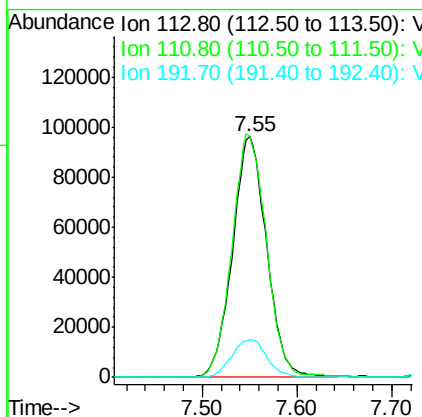
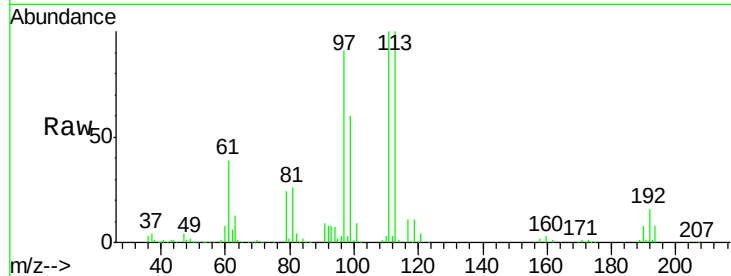
#35
 Dibromofluoromethane
 Concen: 48.908 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240844		
111	101.6	80.7	121.1	
192	16.2	12.6	19.0	

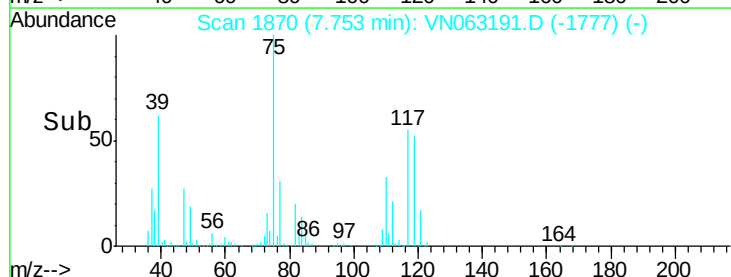
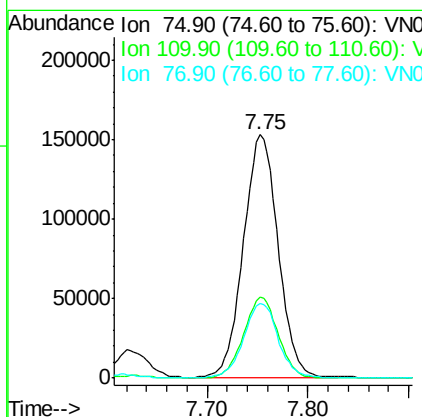
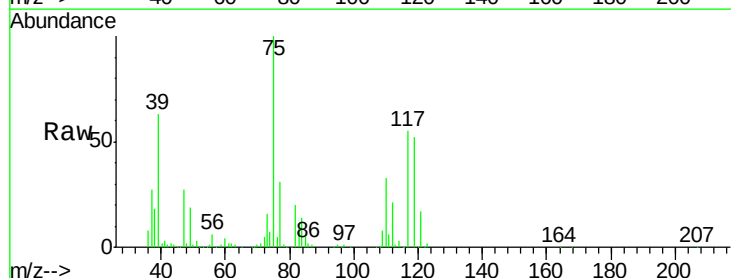
Manual Integrations
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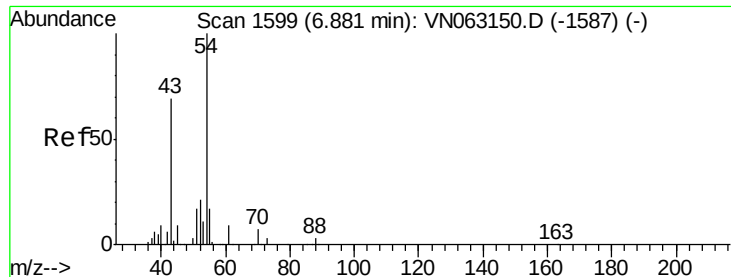
MMDadoda
 9/3/2020 9:29:02 AM



#36
 1,1-Dichloropropene
 Concen: 49.166 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	362802		
110	33.2	16.6	49.8	
77	30.5	25.4	38.2	





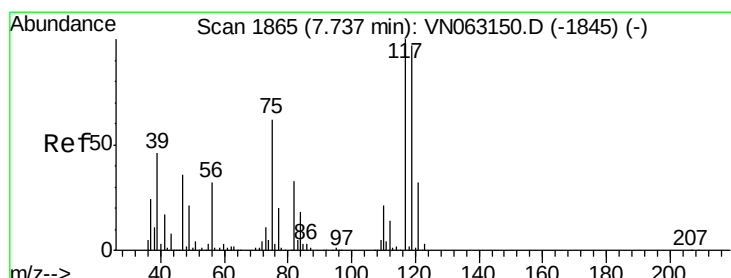
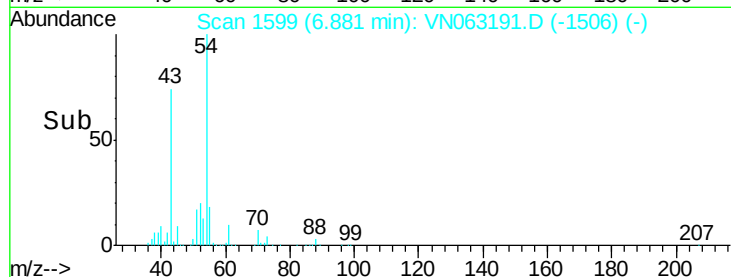
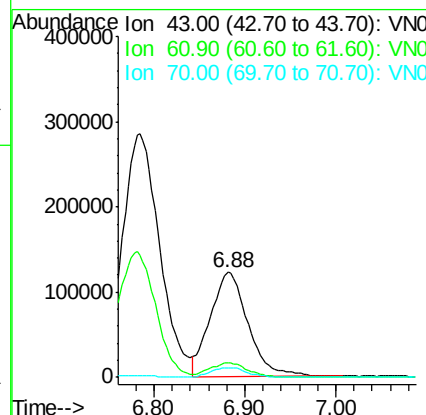
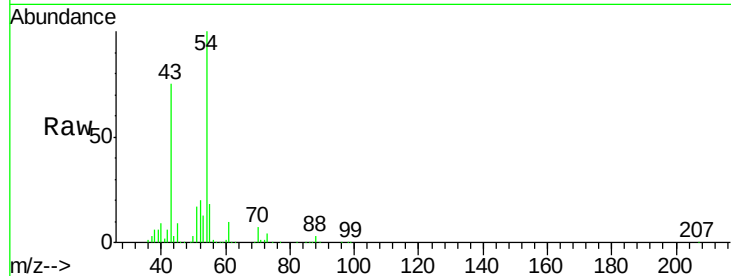
#37
Ethyl Acetate
Concen: 50.640 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.9	10.2	15.4	
70	8.7	3.0	4.6	

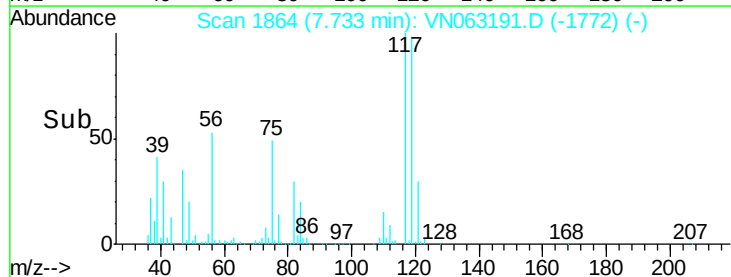
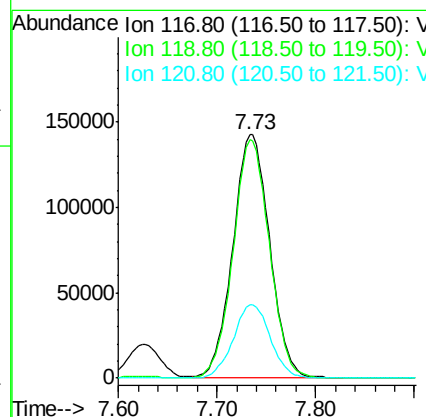
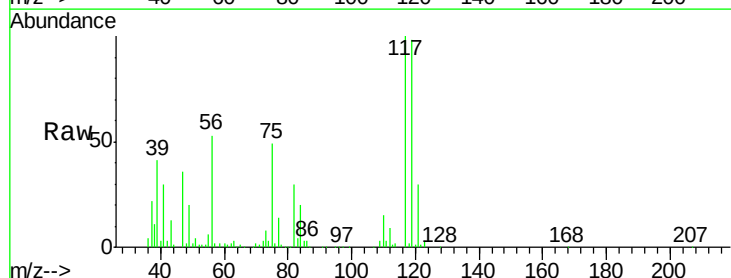
Manual Integrations
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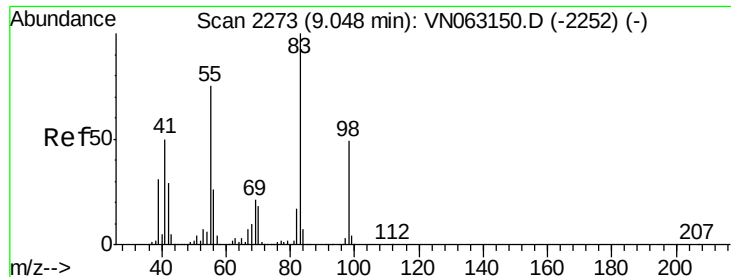
MMDadoda
9/3/2020 9:29:02 AM



#38
Carbon Tetrachloride
Concen: 49.309 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.7	77.2	115.8	
121	30.0	25.6	38.4	





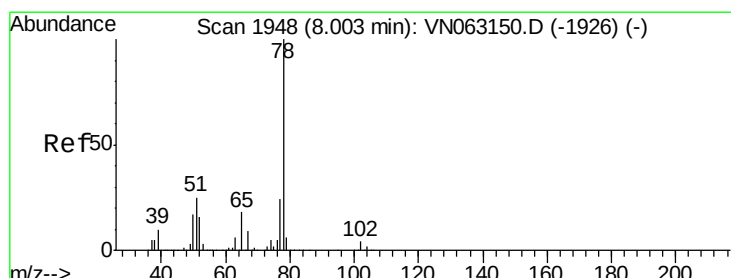
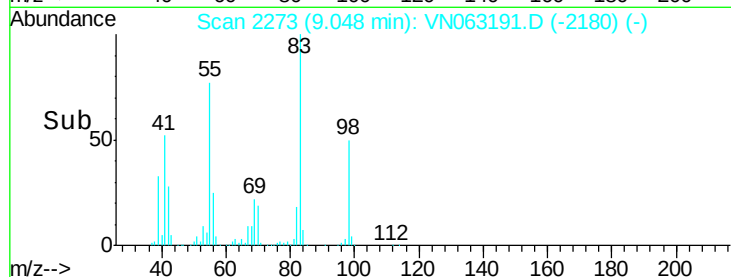
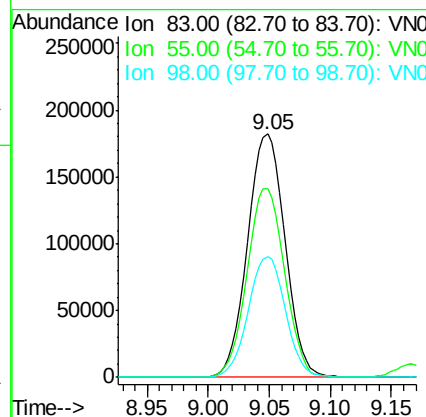
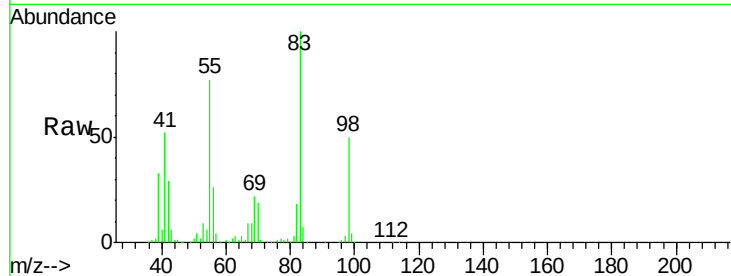
#39
Methylvlcyclohexane
Concen: 46.819 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.2	60.3	90.5	
98	49.7	38.9	58.3	

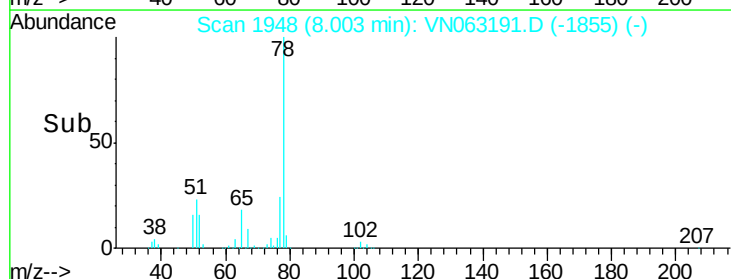
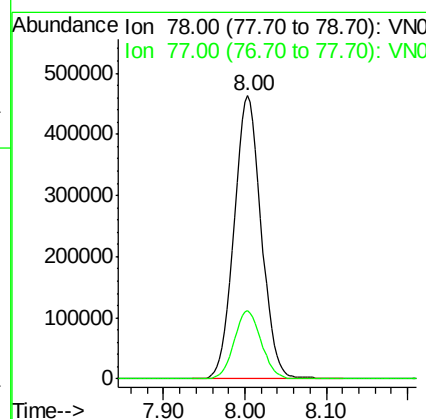
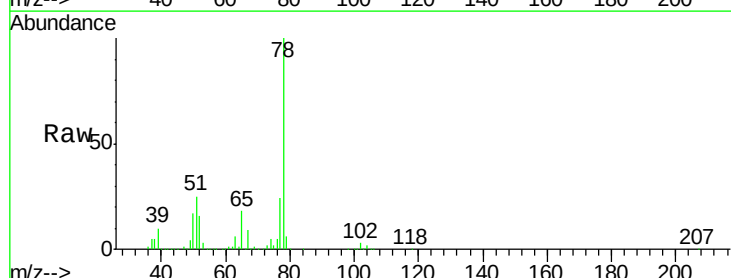
Manual Integrations
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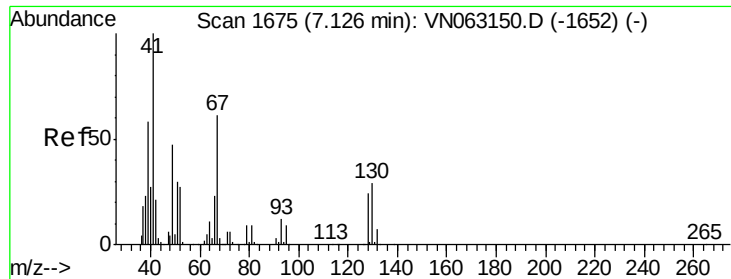
MMDadoda
9/3/2020 9:29:02 AM



#40
Benzene
Concen: 49.744 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.3	28.9	





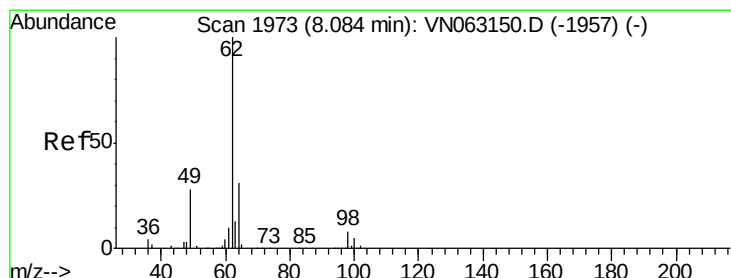
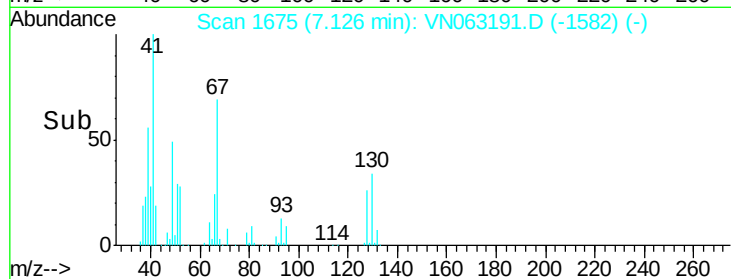
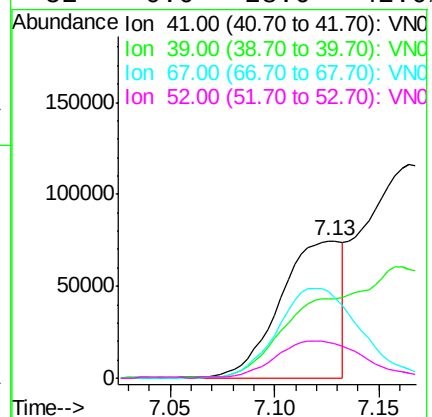
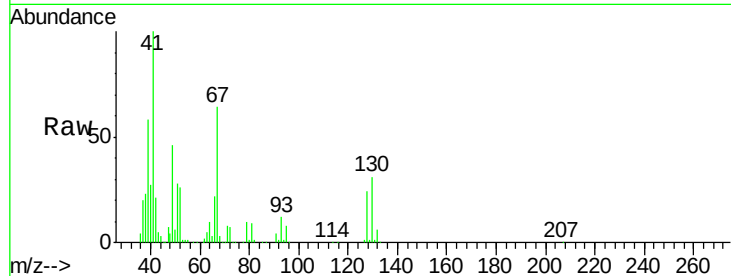
#41
Methacrylonitrile
Concen: 49.509 ug/l m
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	182.4	46.6	70.0#
67	0.0	62.6	94.0#
52	0.0	28.0	42.0#

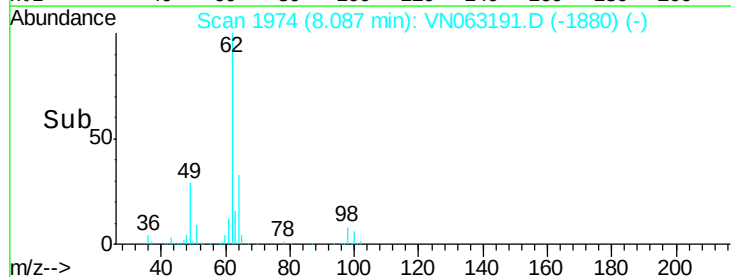
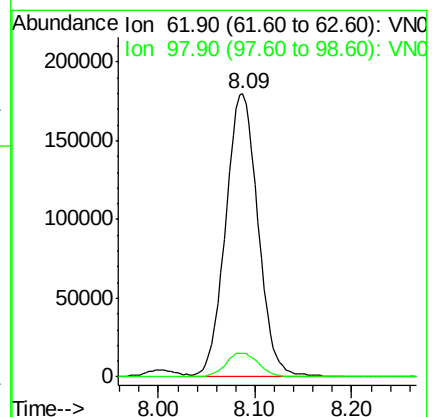
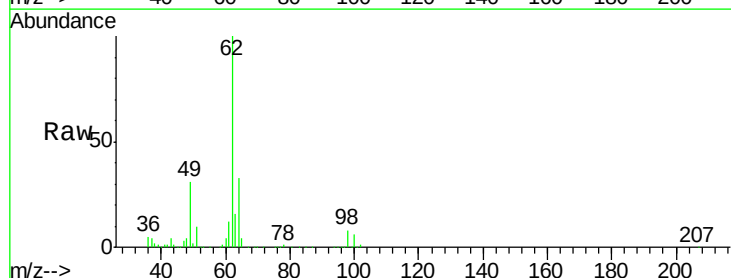
Manual Integrations
APPROVED

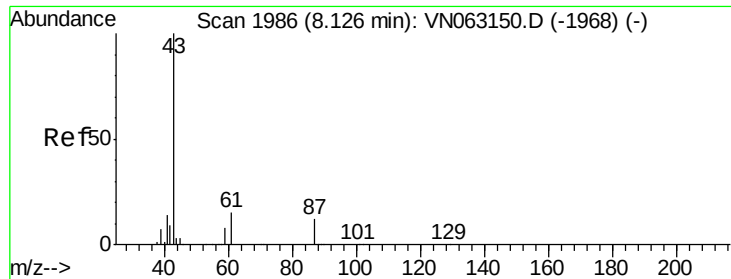
MMDadoda
9/3/2020 9:29:02 AM



#42
1,2-Dichloroethane
Concen: 51.457 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





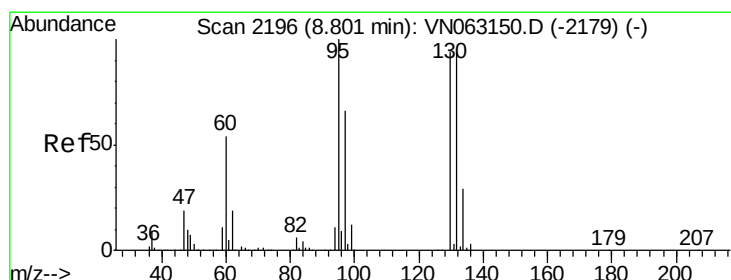
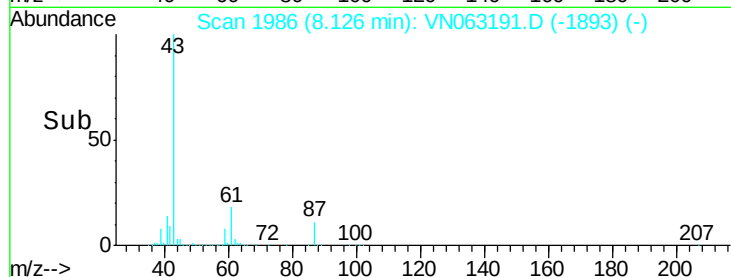
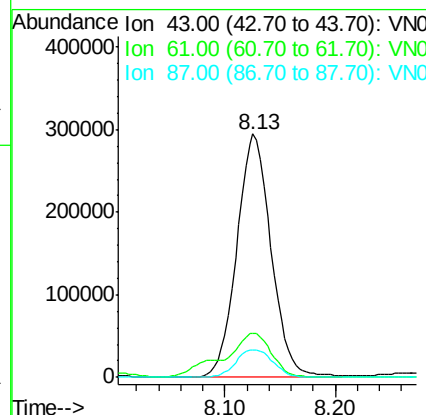
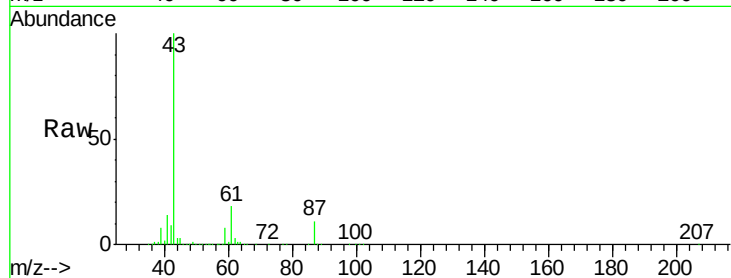
#43
Isopropyl Acetate
Concen: 52.465 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	20.2	30.4#
87	12.3	9.8	14.6

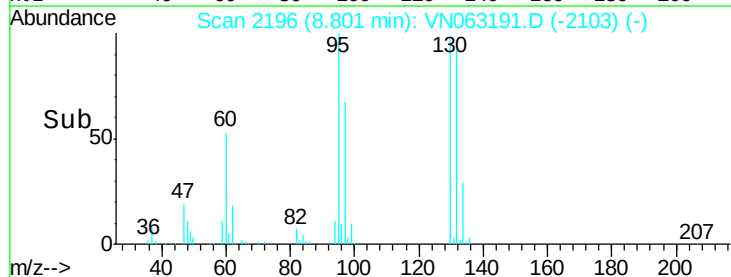
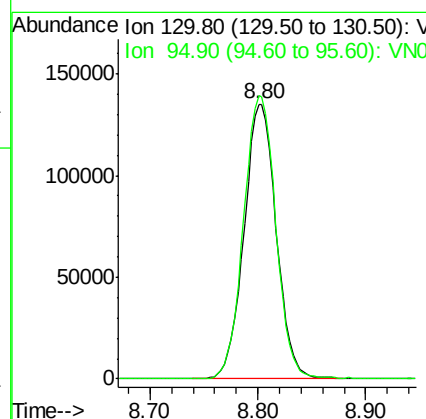
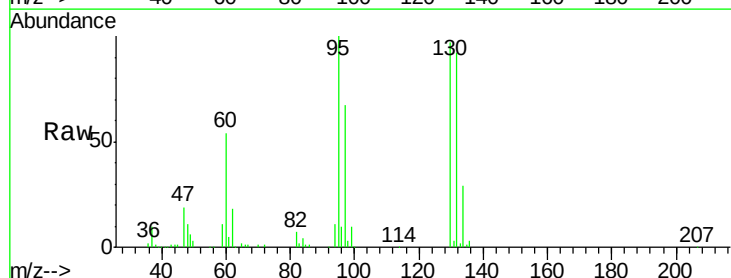
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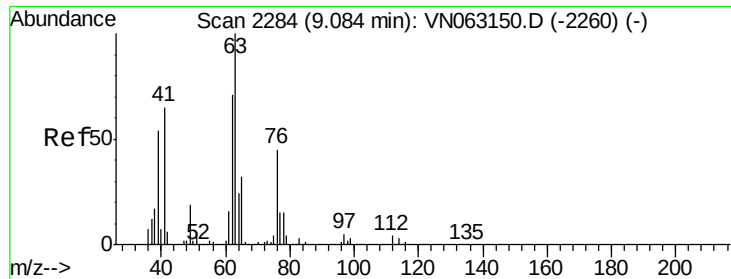
MMDadoda
9/3/2020 9:29:02 AM



#44
Trichloroethene
Concen: 53.490 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	212.0





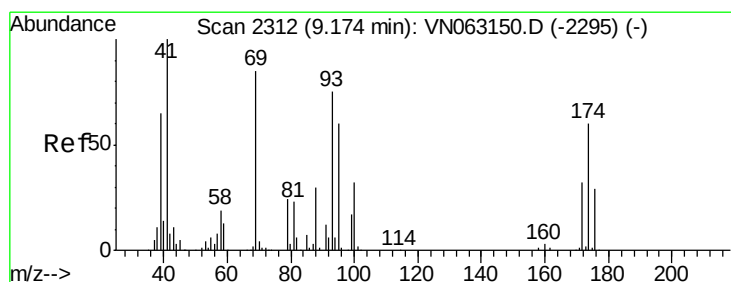
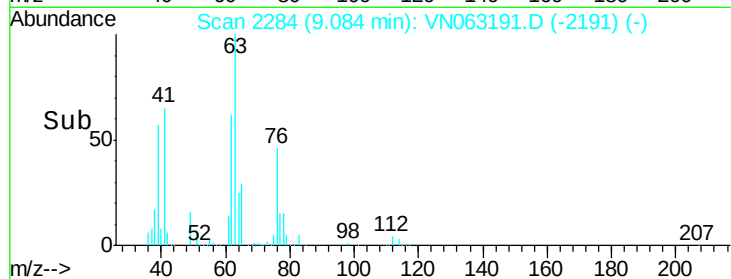
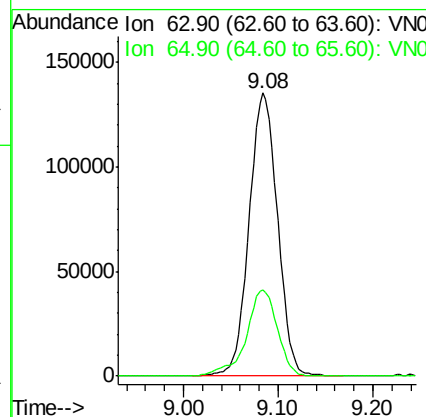
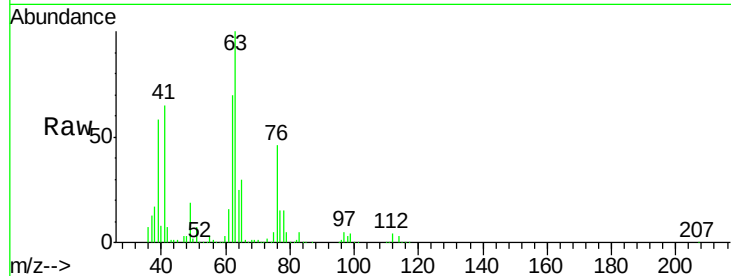
#45
 1,2-Dichloropropane
 Concen: 49.261 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion: 63 Resp: 282825
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0

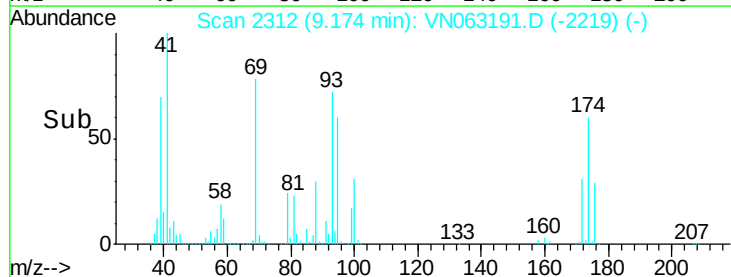
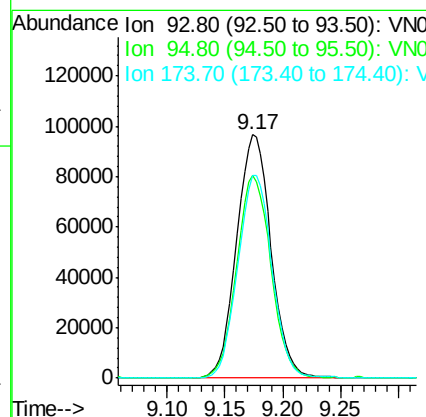
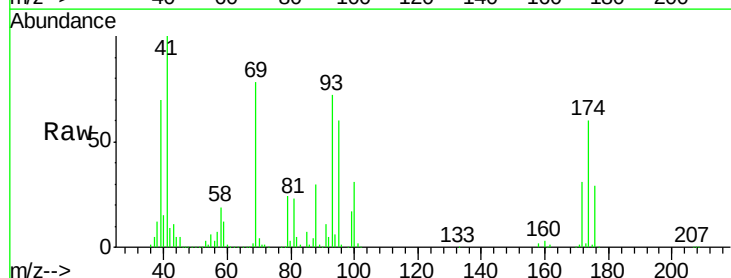
Manual Integrations
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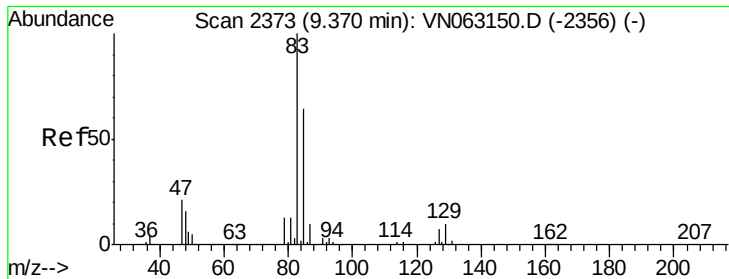
MMDadoda
 9/3/2020 9:29:02 AM



#46
 Dibromomethane
 Concen: 52.284 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion: 93 Resp: 198927
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.2 97.8
 174 83.0 64.6 97.0





#47

Bromodichloromethane

Concen: 51.228 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

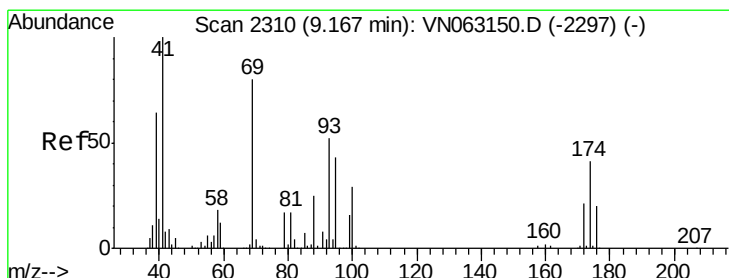
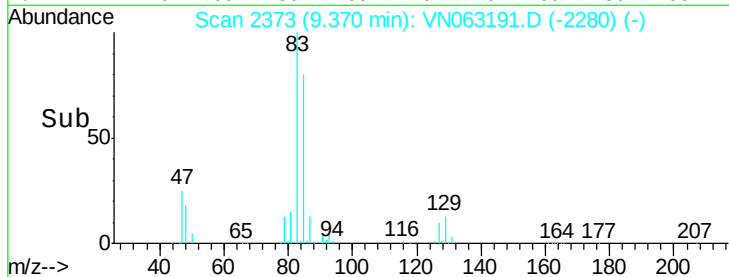
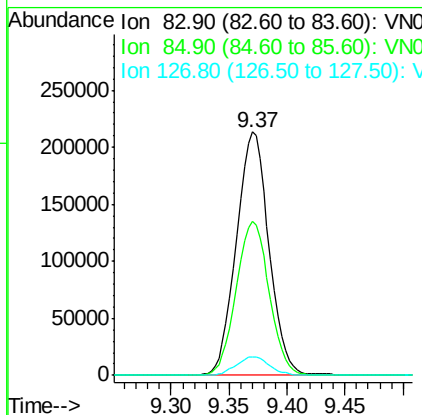
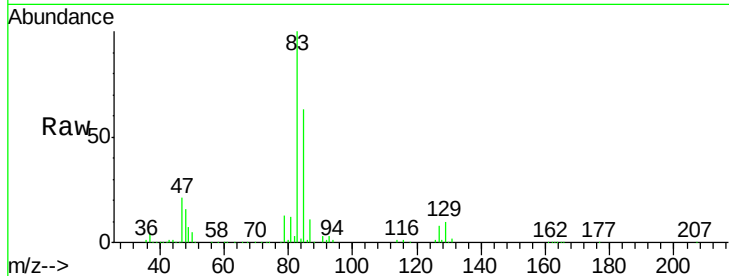
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	83	Resp:	417783
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6
127	7.5	5.7	8.5

Manual Integrations
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MMDadoda
9/3/2020 9:29:02 AM



#48

Methyl methacrylate

Concen: 53.824 ug/l

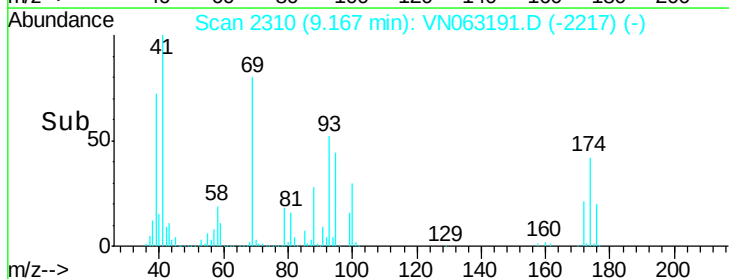
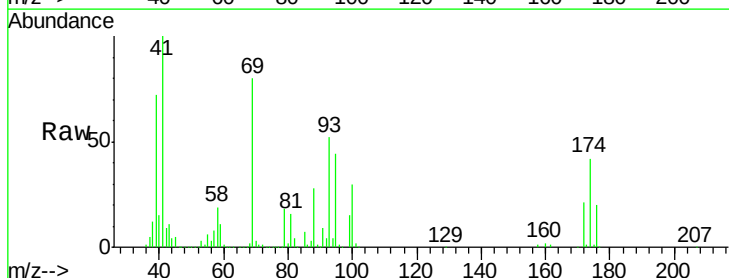
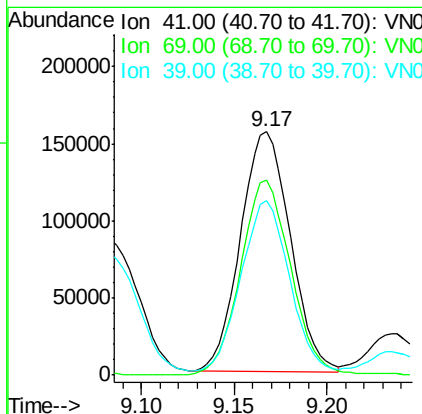
RT: 9.17 min Scan# 2310

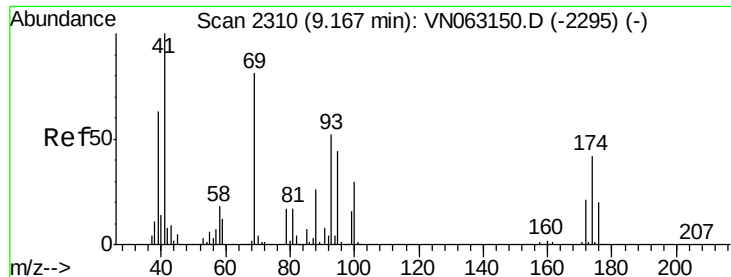
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	41	Resp:	292000
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.9	98.9
39	71.7	52.0	78.0





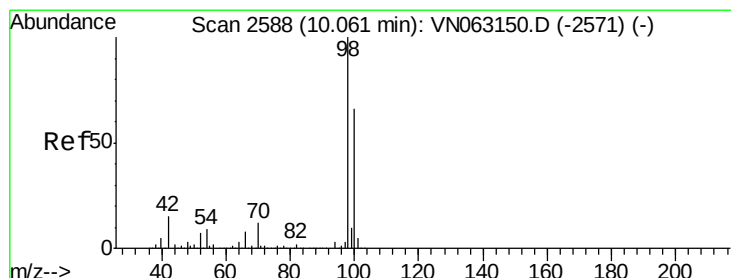
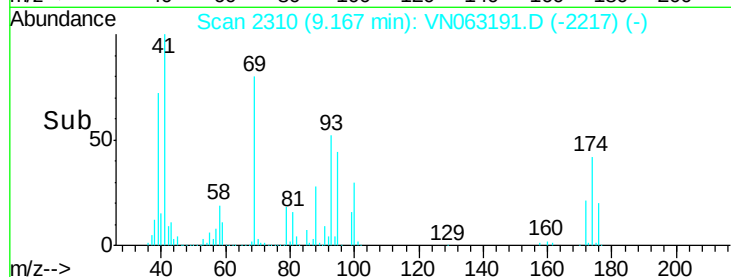
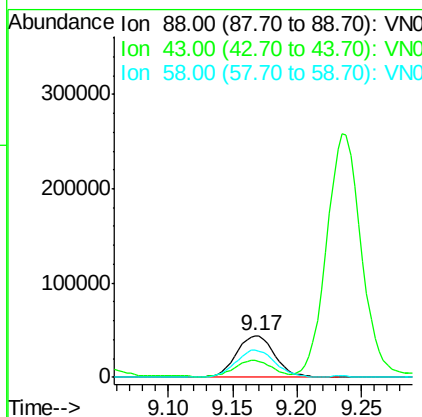
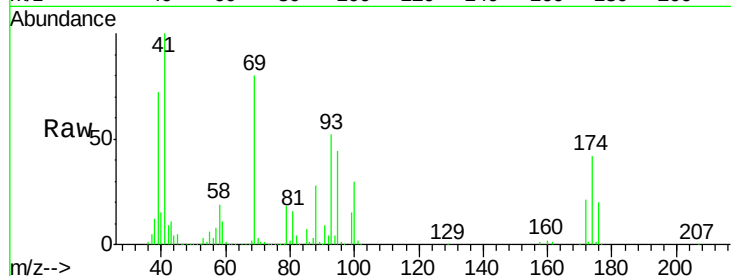
#49
1,4-Dioxane
Concen: 1096.533 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	42.8
58	67.4	53.2	79.8

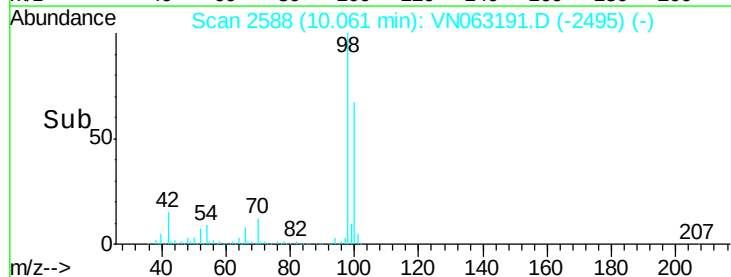
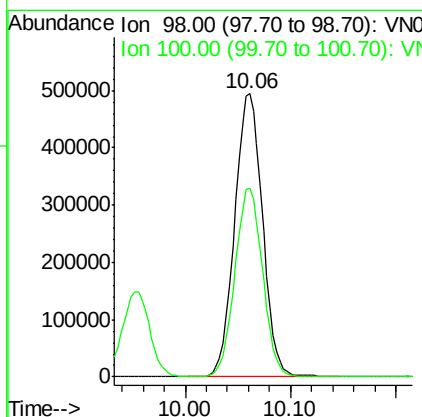
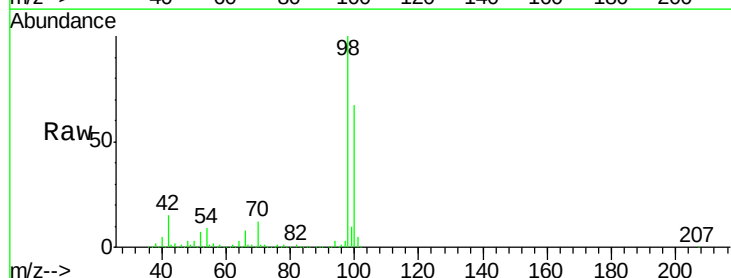
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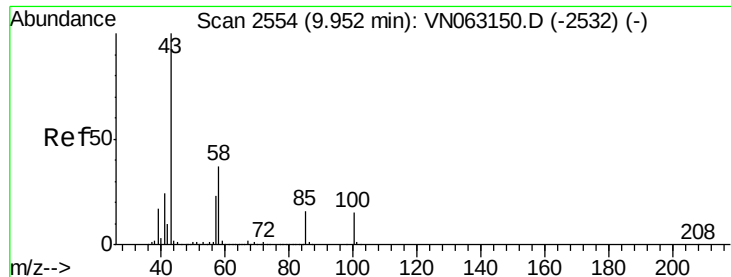
MMDadoda
9/3/2020 9:29:02 AM



#50
Toluene-d8
Concen: 47.754 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 280.260 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 43 Resp: 1832765

Ion Ratio Lower Upper

43 100

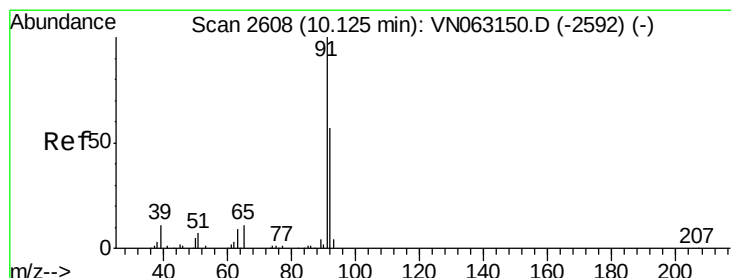
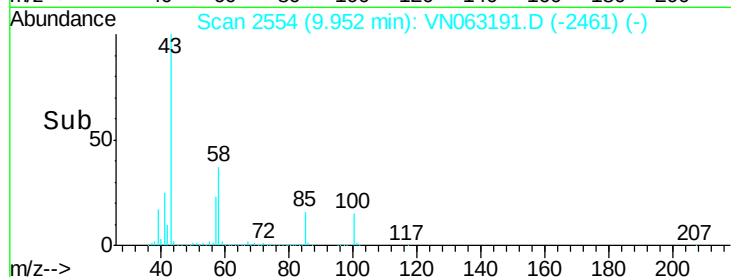
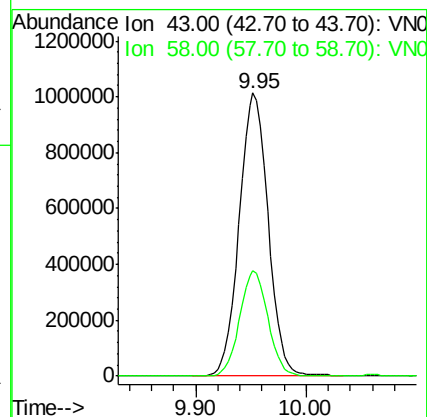
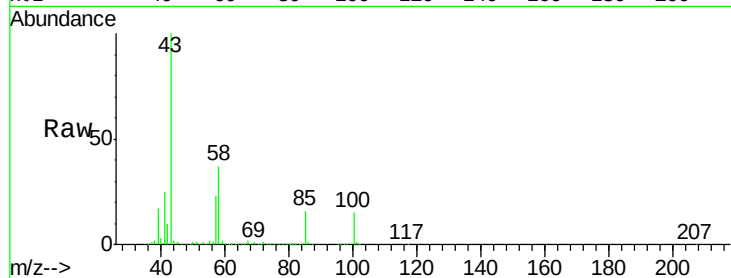
58 36.6 29.2 43.8

Manual Integrations

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MMDadoda

9/3/2020 9:29:02 AM



#52

Toluene

Concen: 51.037 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063191.D

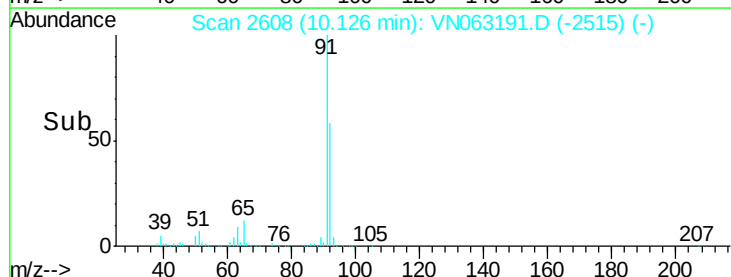
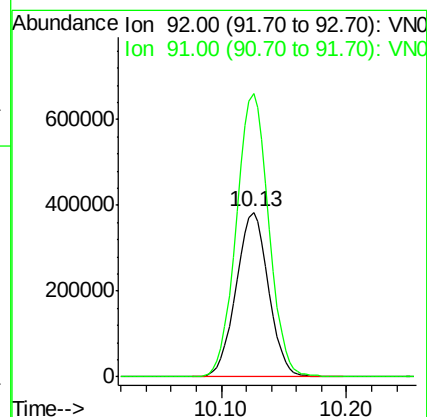
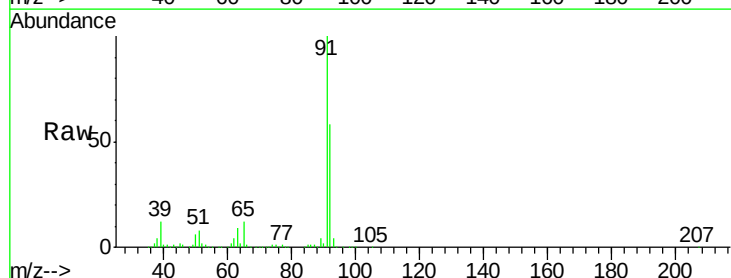
Acq: 2 Sep 2020 13:29

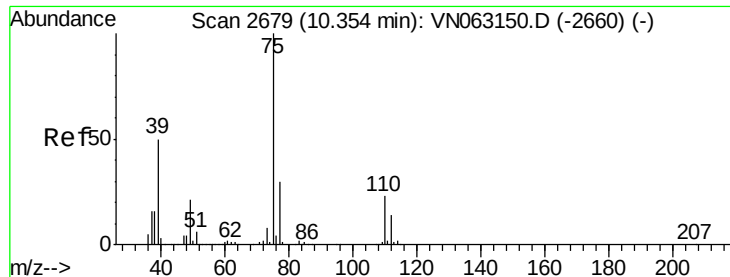
Tgt Ion: 92 Resp: 689409

Ion Ratio Lower Upper

92 100

91 172.5 141.2 211.8





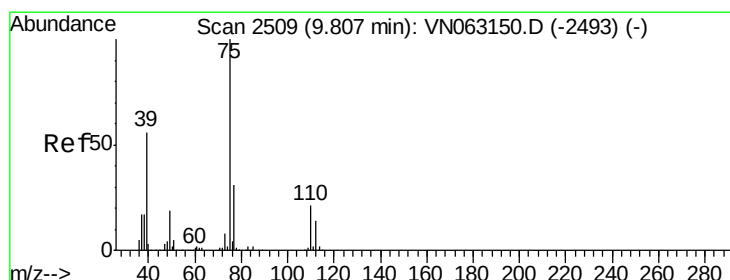
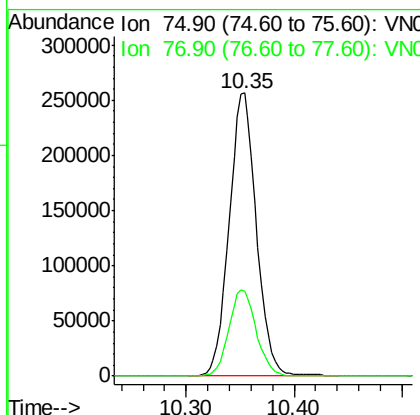
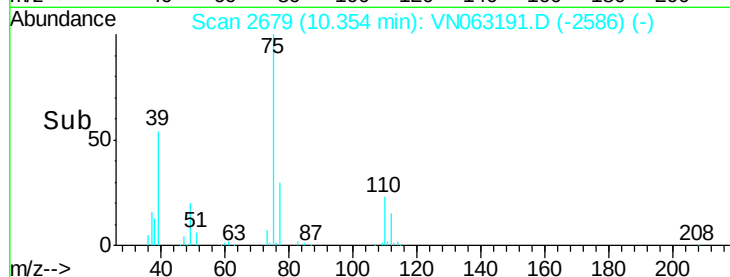
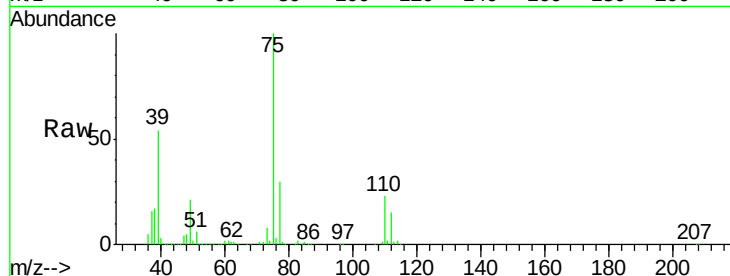
#53
t-1,3-Dichloropropene
Concen: 50.550 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion: 75 Resp: 450940
Ion Ratio Lower Upper
75 100
77 29.8 24.2 36.2

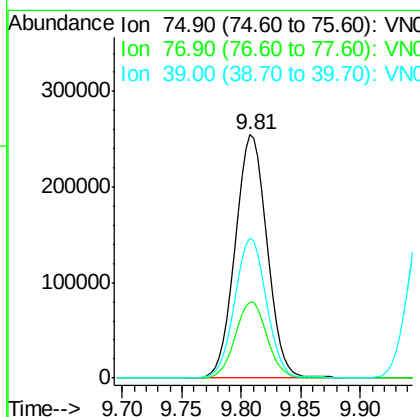
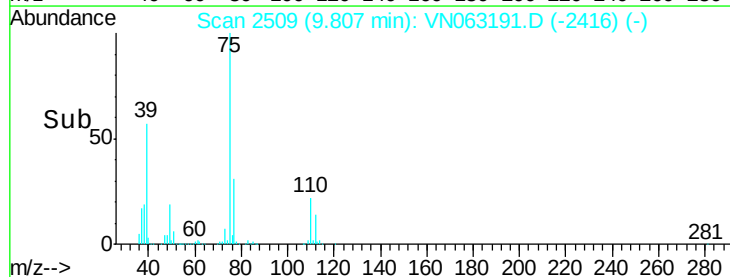
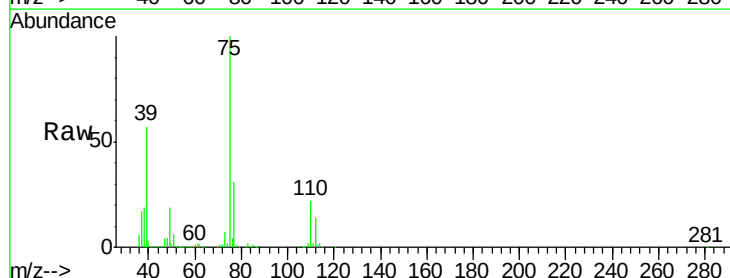
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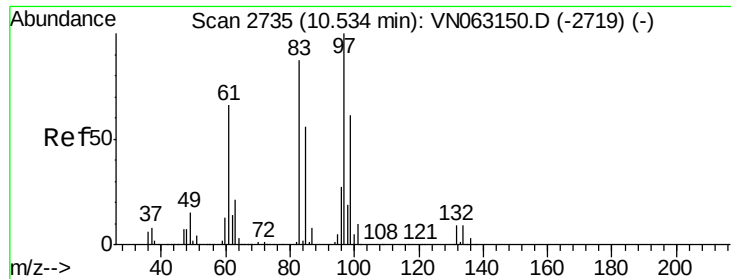
MMDadoda
9/3/2020 9:29:02 AM



#54
cis-1,3-Dichloropropene
Concen: 50.542 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion: 75 Resp: 473276
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 57.1 45.0 67.6





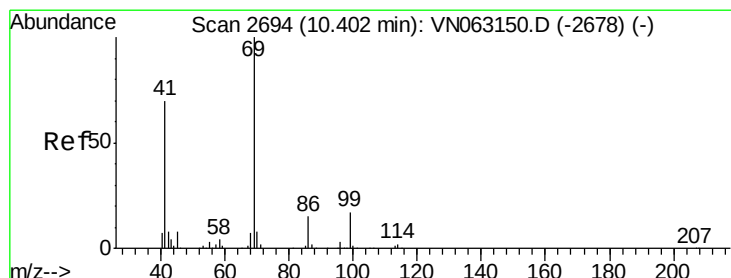
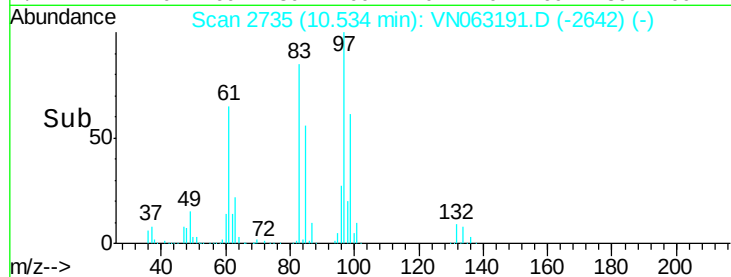
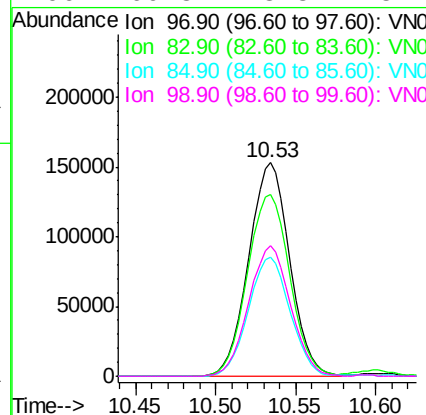
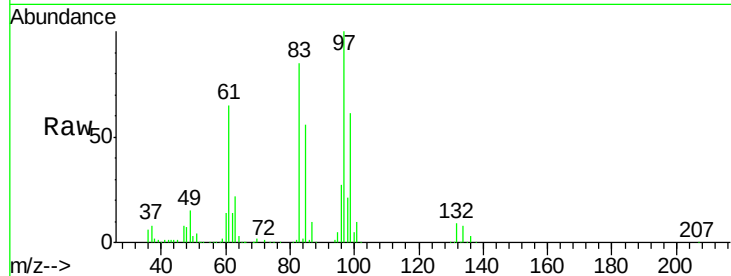
#55
 1,1,2-Trichloroethane
 Concen: 51.850 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		268230		
83	85.1	69.8	104.8		
85	55.5	44.9	67.3		
99	60.8	48.8	73.2		

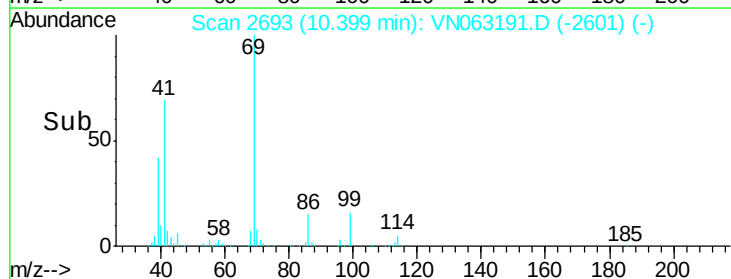
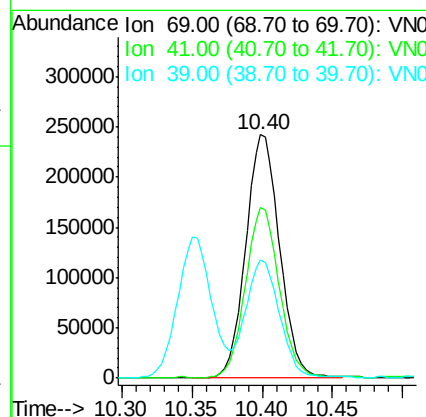
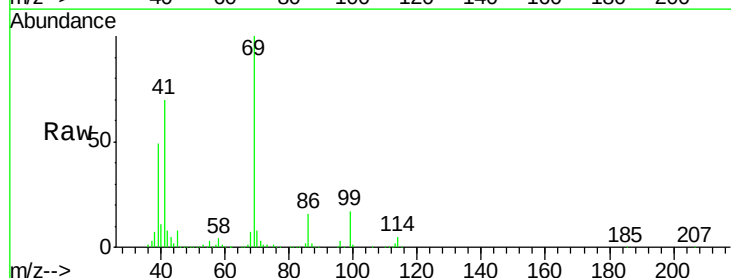
Manual Integrations
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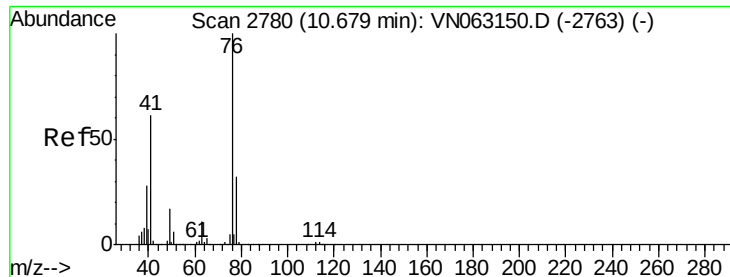
MMDadoda
 9/3/2020 9:29:02 AM



#56
 Ethyl methacrylate
 Concen: 51.884 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		408473		
41	69.3	55.5	83.3		
39	48.2	38.2	57.2		





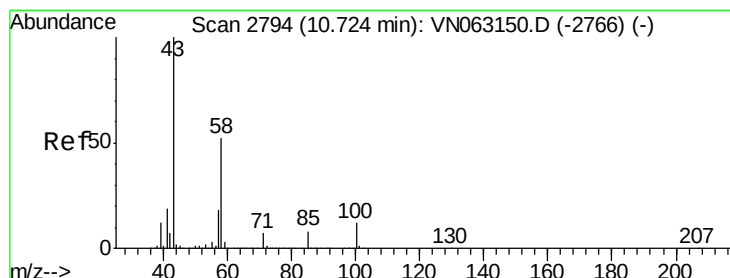
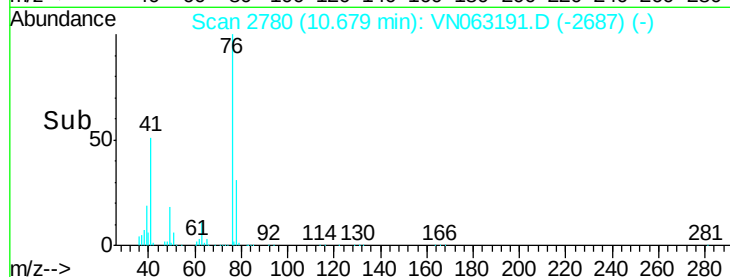
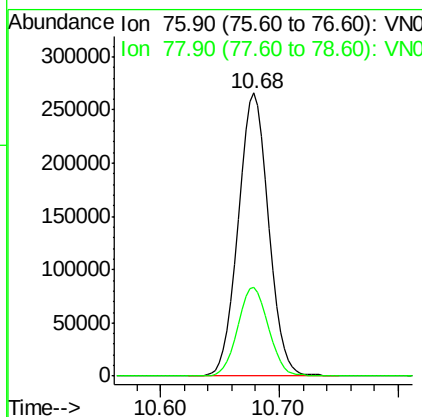
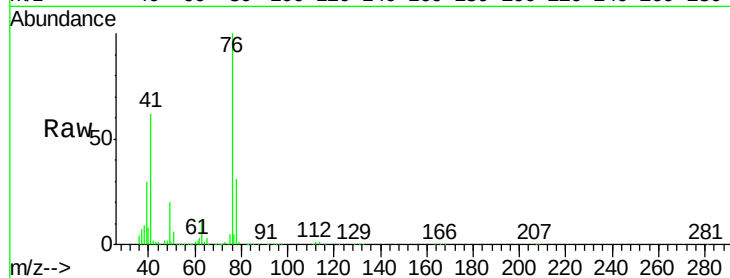
#57
 1,3-Dichloropropane
 Concen: 50.966 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

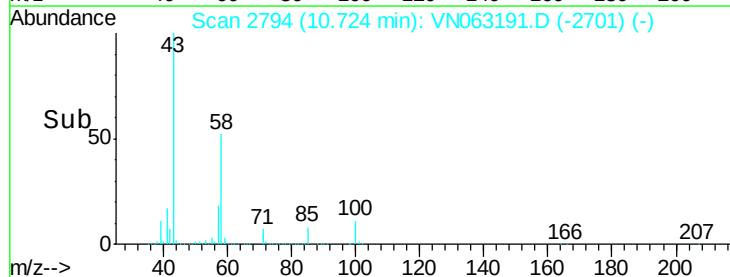
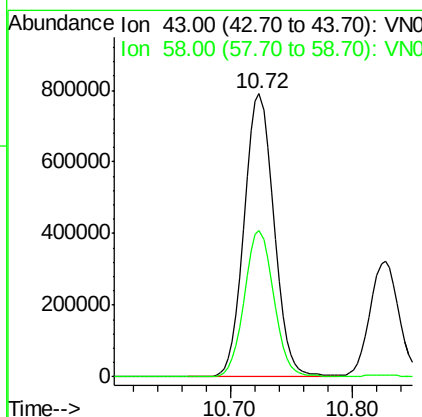
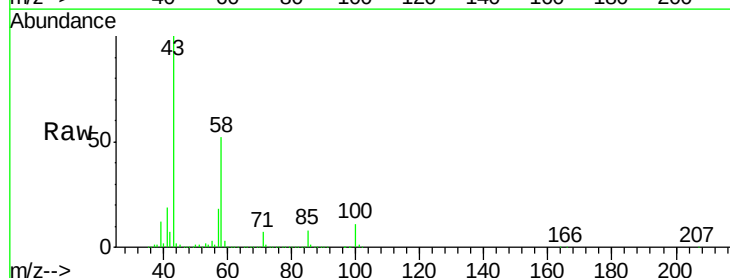
Manual Integrations
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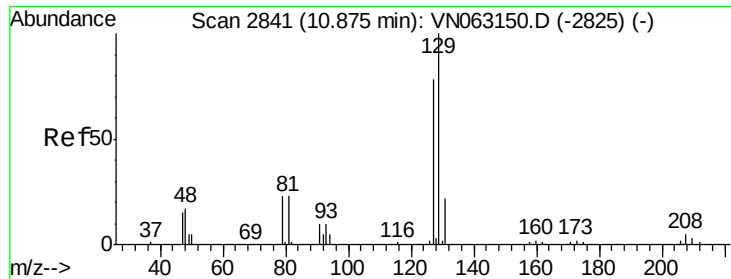
MMDadoda
 9/3/2020 9:29:02 AM



#59
 2-Hexanone
 Concen: 288.122 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.8





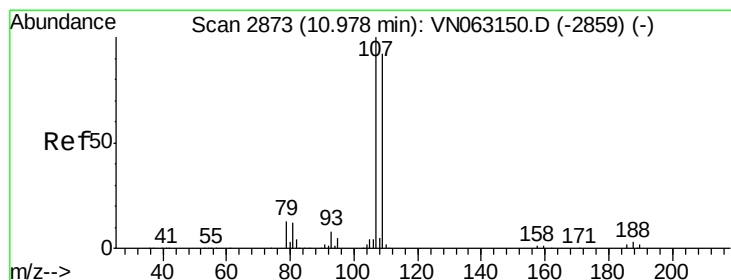
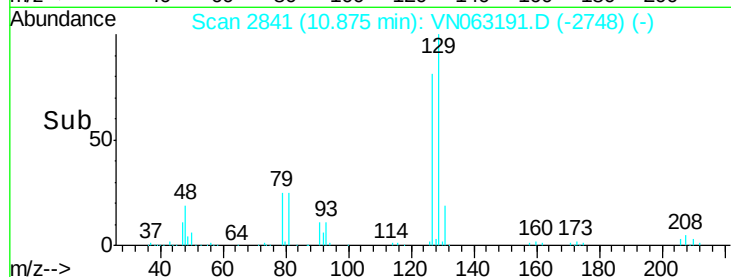
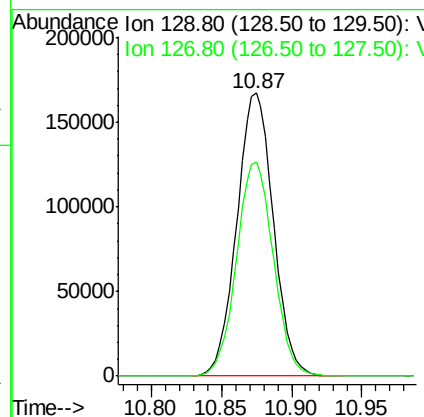
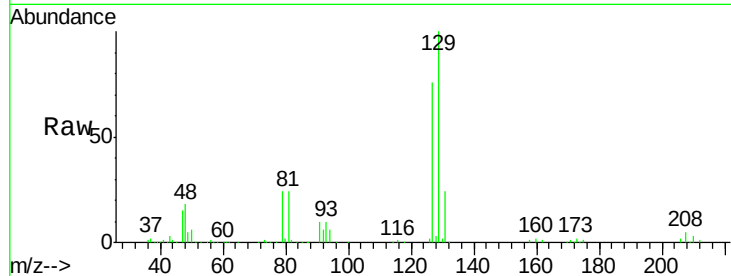
#60
Dibromochloromethane
Concen: 53.099 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
129	100	303690		
127	76.4	39.0	117.0	

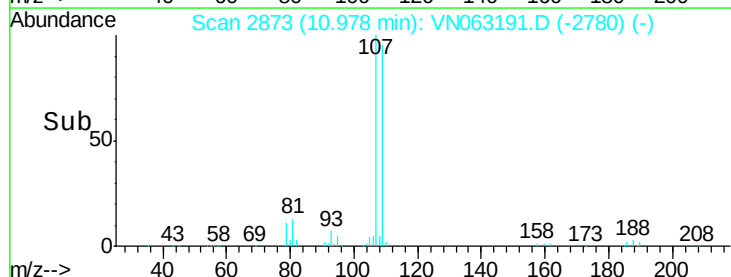
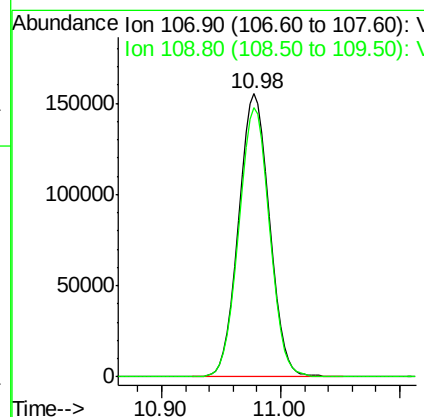
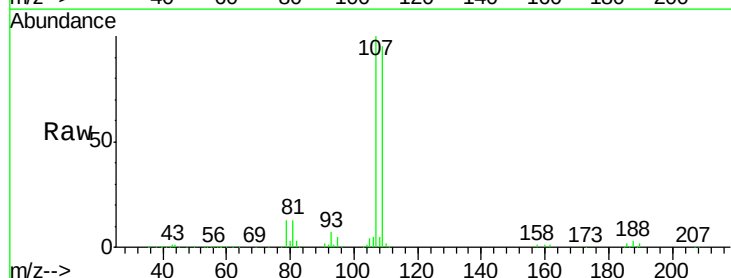
Manual Integrations
APPROVED

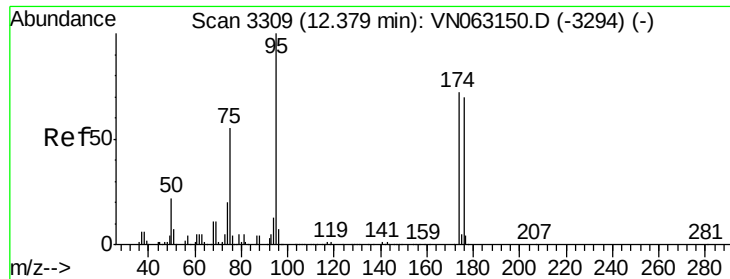
MMDadoda
9/3/2020 9:29:02 AM



#61
1,2-Dibromoethane
Concen: 52.031 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	279810		
109	94.9	73.4	110.0	





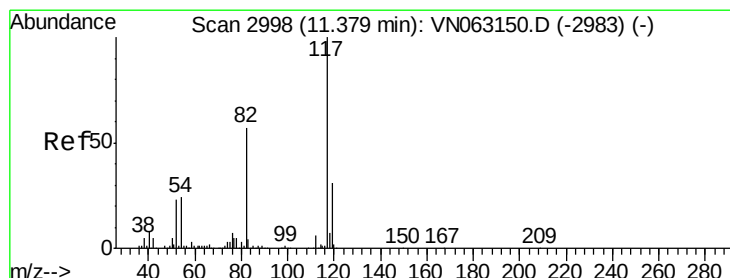
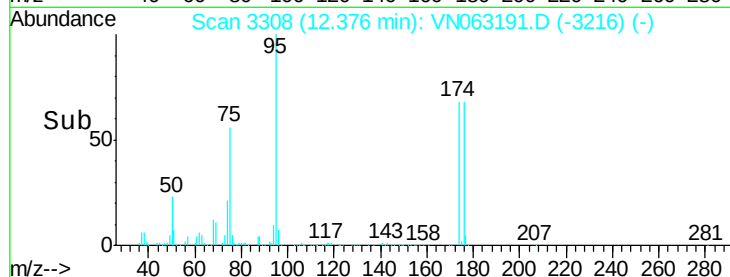
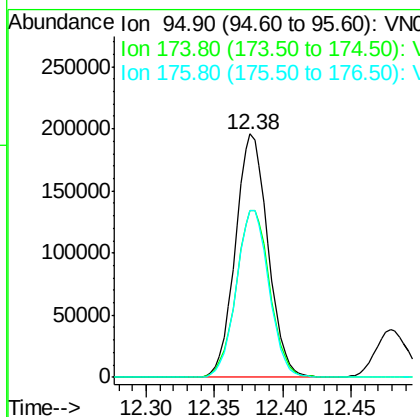
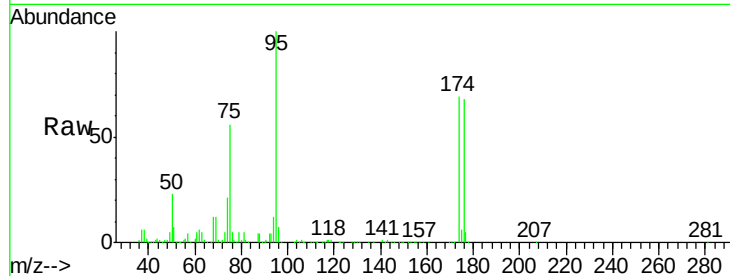
#62
4-Bromofluorobenzene
Concen: 48.919 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	324346		
174	70.9	0.0	143.8	
176	68.8	0.0	138.4	

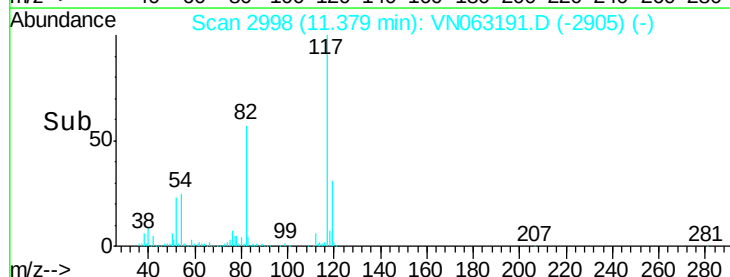
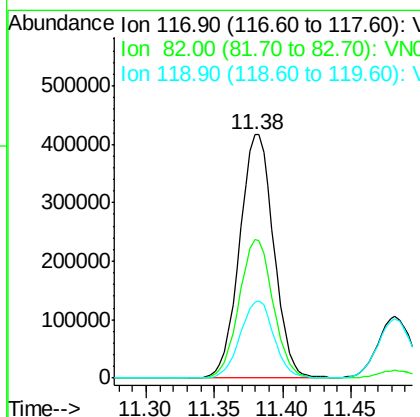
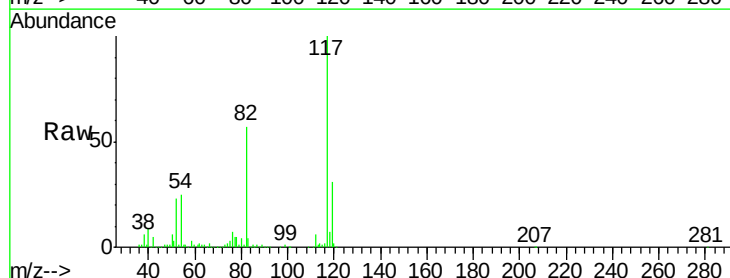
Manual Integrations
APPROVED

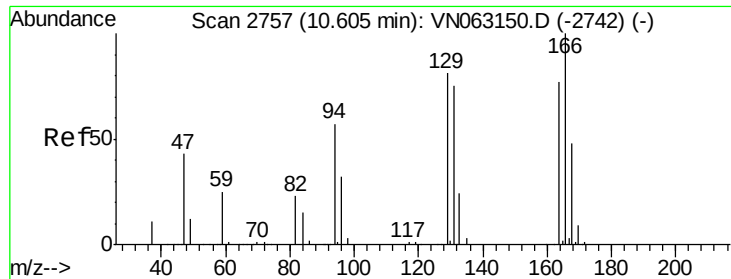
MMDadoda
9/3/2020 9:29:02 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	723553		
82	57.1	45.4	68.0	
119	31.3	24.6	37.0	





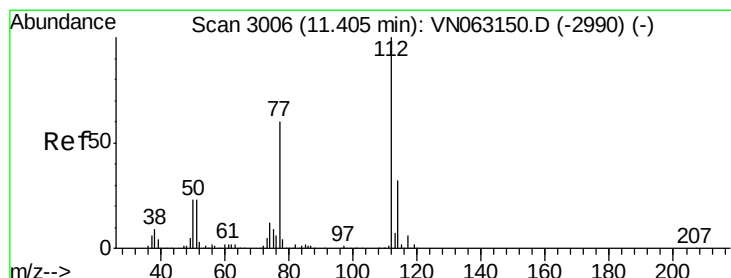
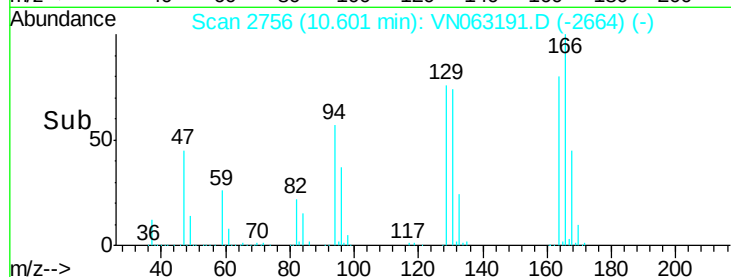
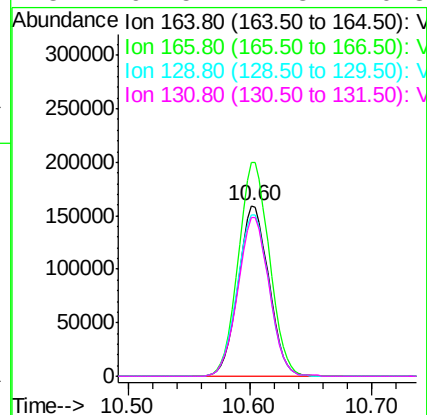
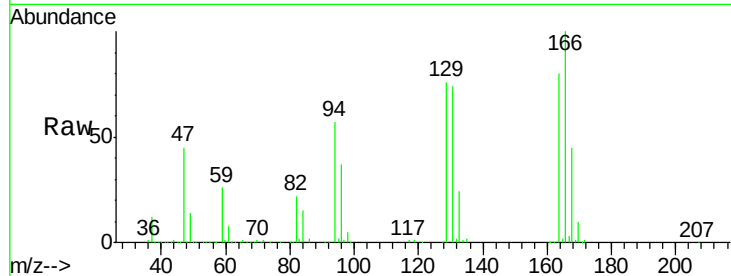
#64
Tetrachloroethene
Concen: 53.321 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.4	155.2
129	94.2	83.4	125.0
131	92.5	77.8	116.8

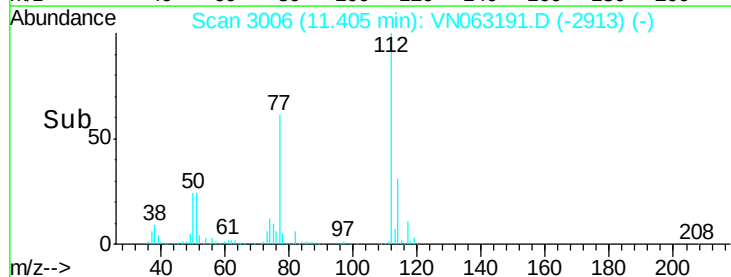
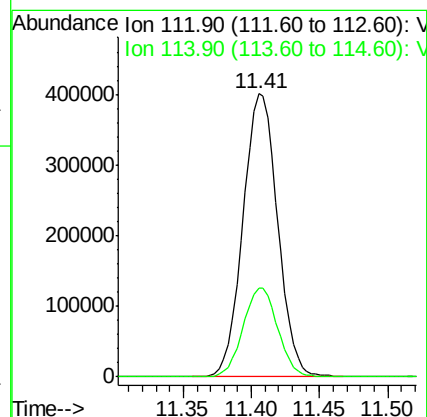
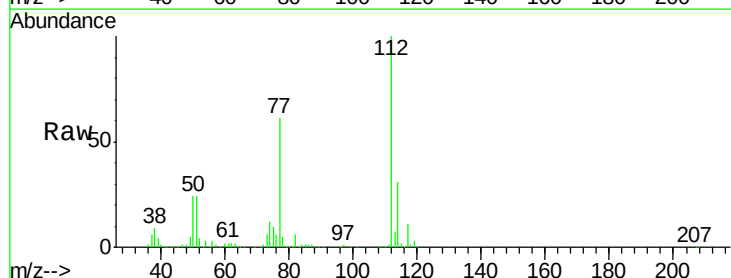
Manual Integrations
APPROVED

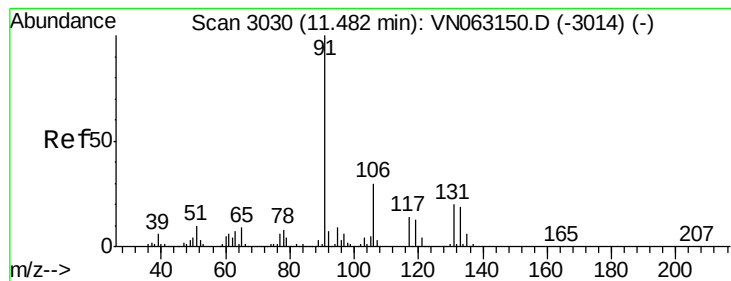
MMDadoda
9/3/2020 9:29:02 AM



#65
Chlorobenzene
Concen: 48.501 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.2	37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 48.967 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

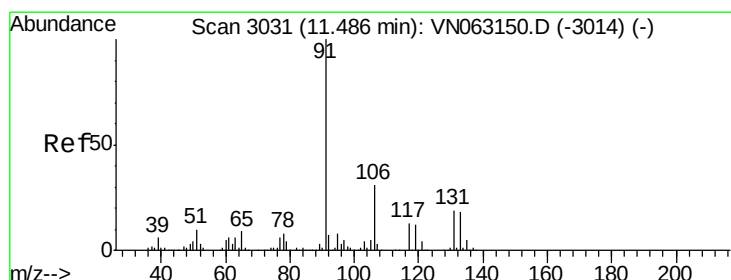
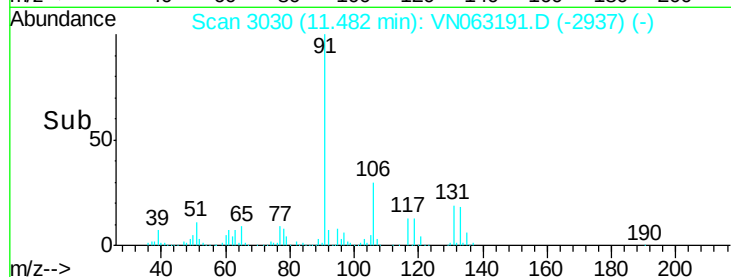
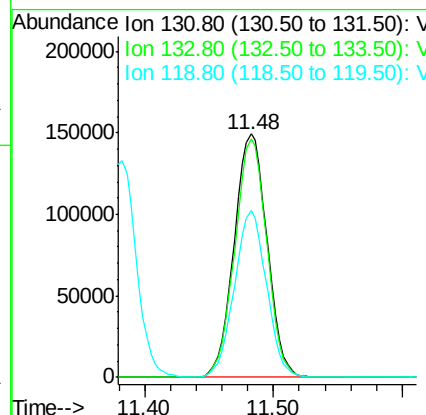
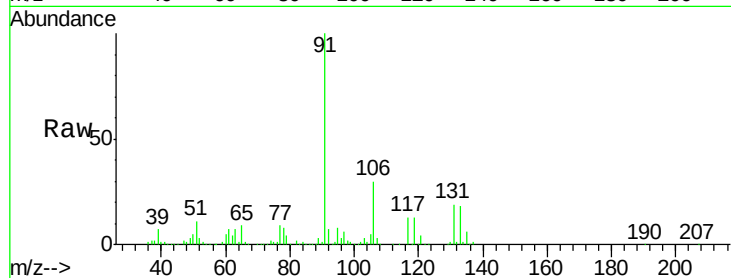
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	131	Resp:	264947
Ion Ratio	Lower	Upper	
131	100		
133	95.0	47.3	142.0
119	66.8	32.4	97.0

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.318 ug/l

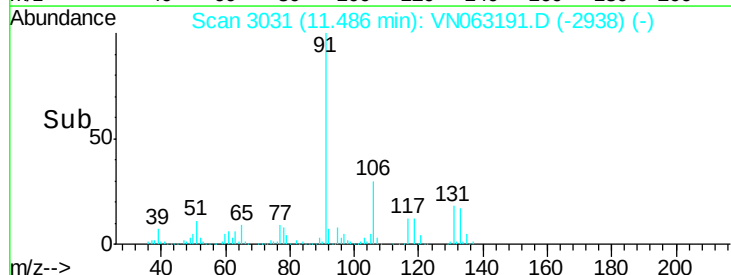
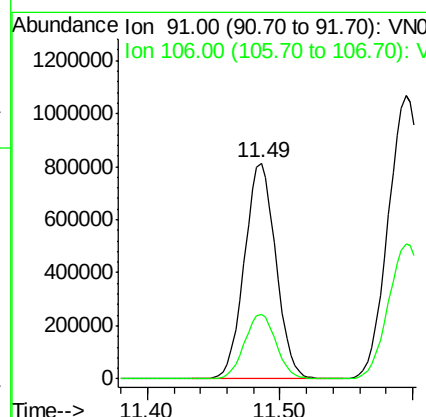
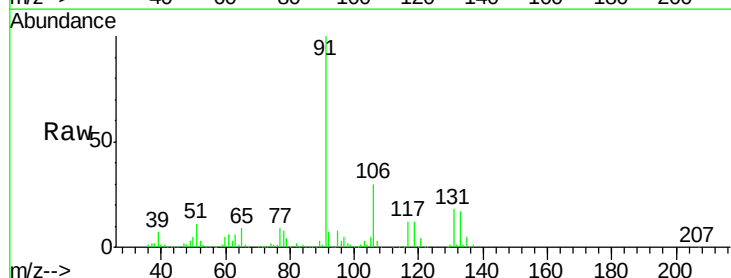
RT: 11.49 min Scan# 3031

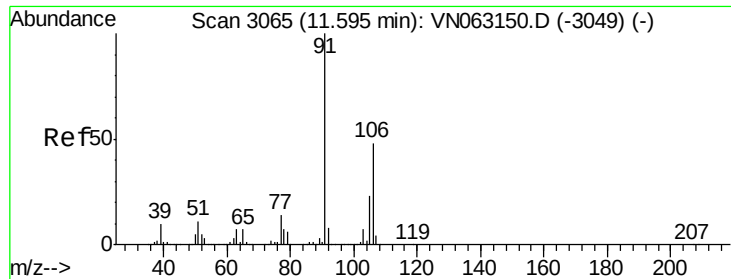
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	91	Resp:	1337746
Ion Ratio	Lower	Upper	
91	100		
106	30.1	24.4	36.6





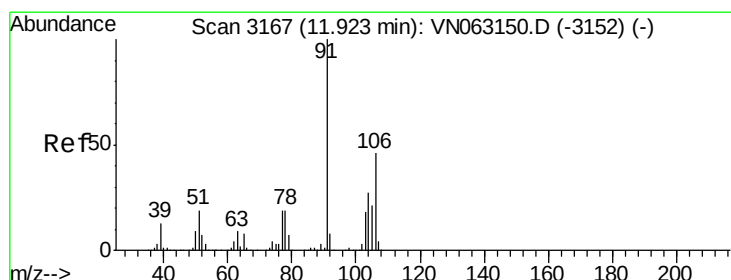
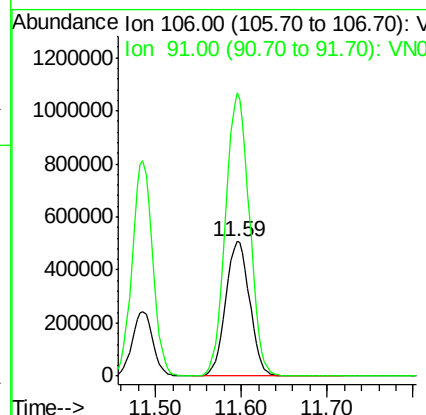
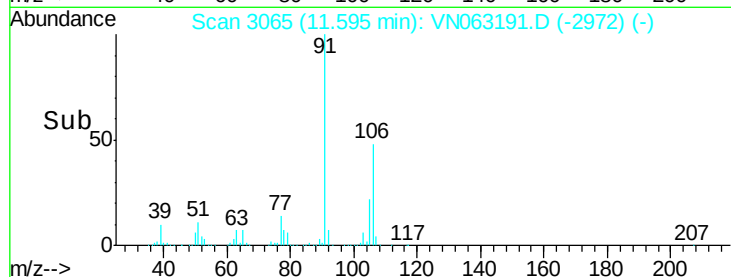
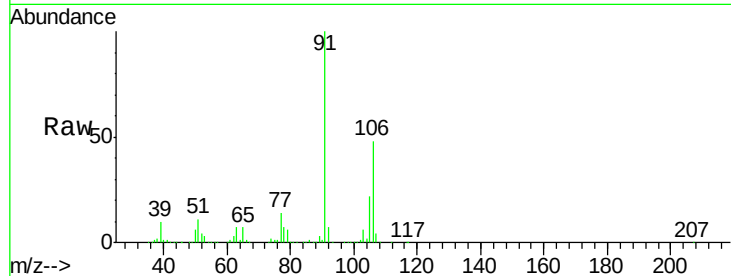
#68
m/p-Xylenes
Concen: 99.992 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion:106 Resp: 984579
Ion Ratio Lower Upper
106 100
91 208.5 166.7 250.1

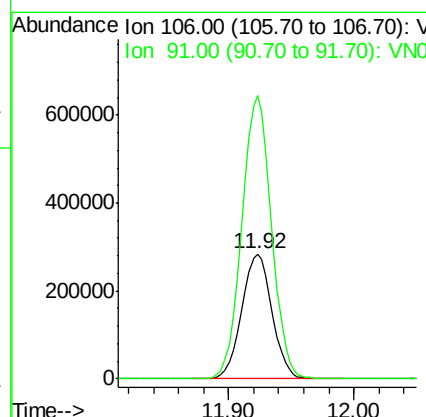
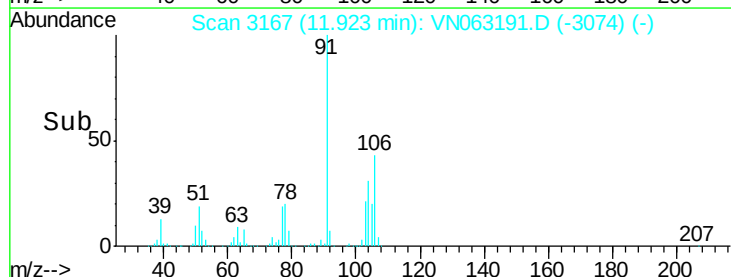
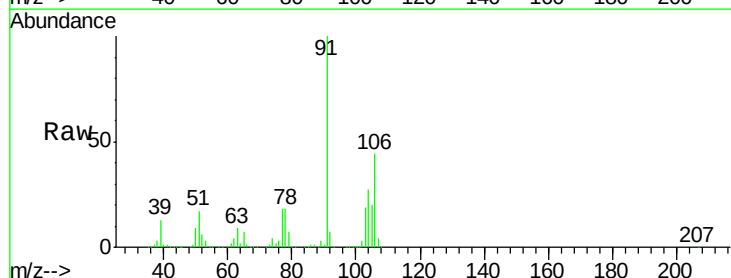
Manual Integrations
APPROVED

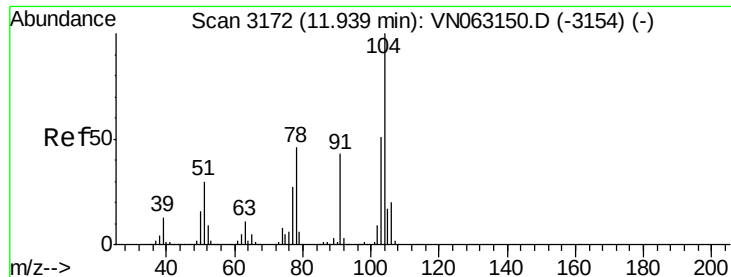
MMDadoda
9/3/2020 9:29:02 AM



#69
o-Xylene
Concen: 50.132 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion:106 Resp: 476861
Ion Ratio Lower Upper
106 100
91 220.7 108.6 325.6





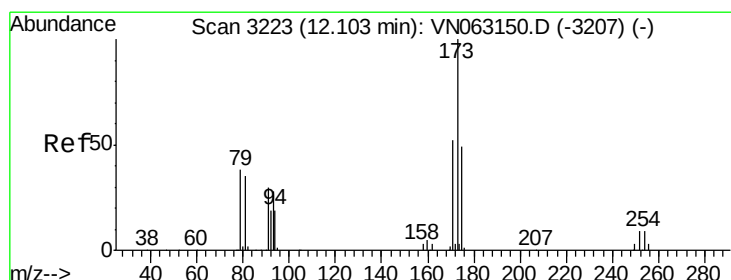
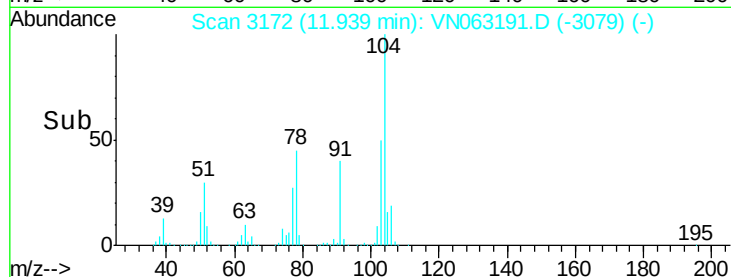
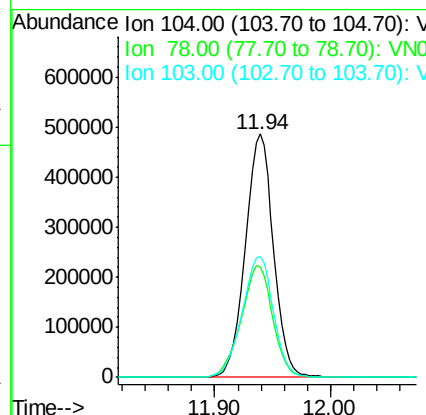
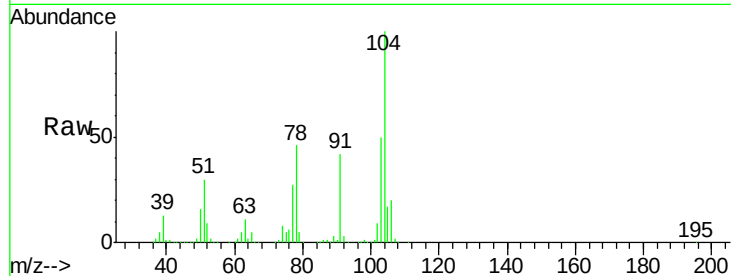
#70
Stvrene
Concen: 50.100 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		819018		
78	51.2		41.0	61.6	
103	55.4		43.8	65.8	

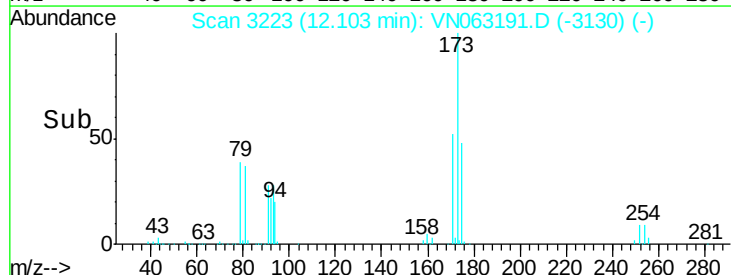
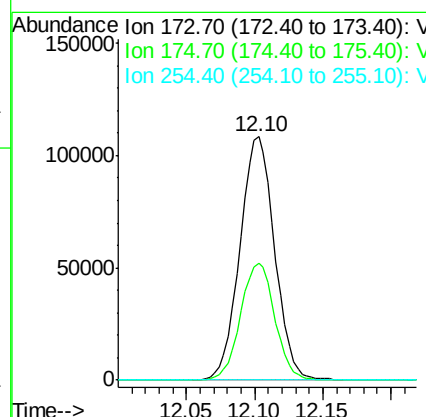
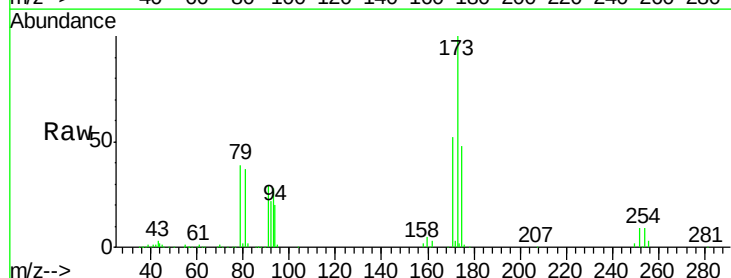
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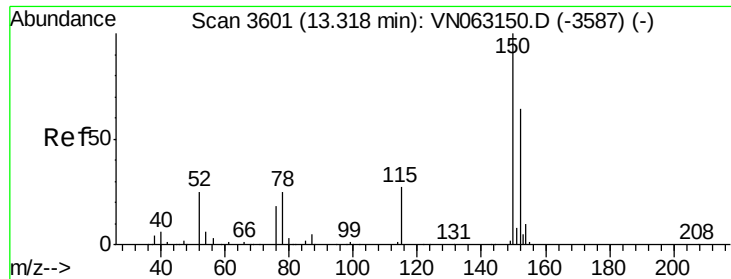
MMDadoda
9/3/2020 9:29:02 AM



#71
Bromoform
Concen: 52.047 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100		191113		
175	47.5		24.6	73.8	
254	0.0		0.0	0.0#	





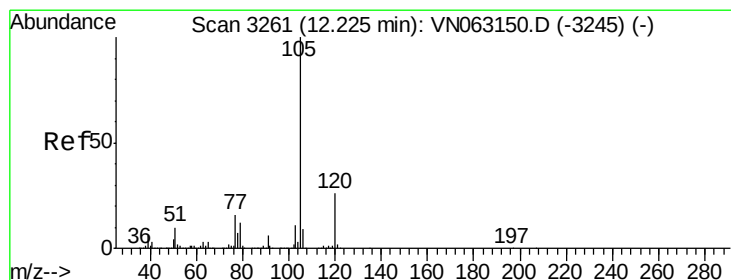
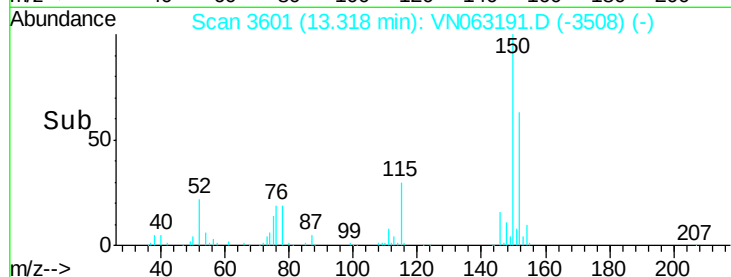
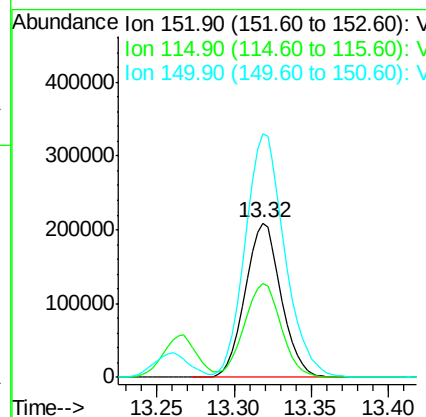
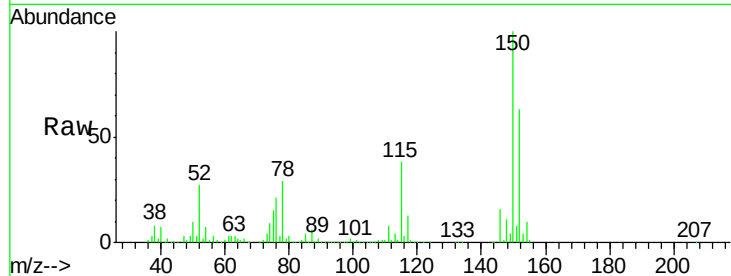
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	337766		
115	62.1	32.0	96.2	
150	173.1	0.0	353.0	

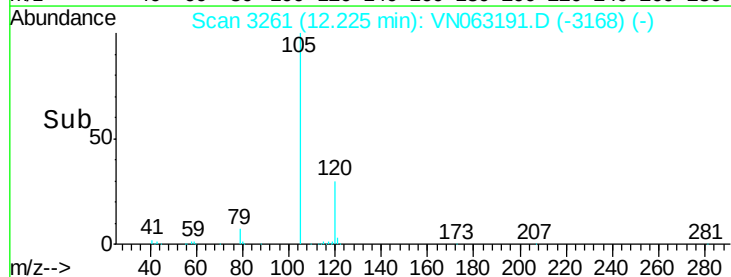
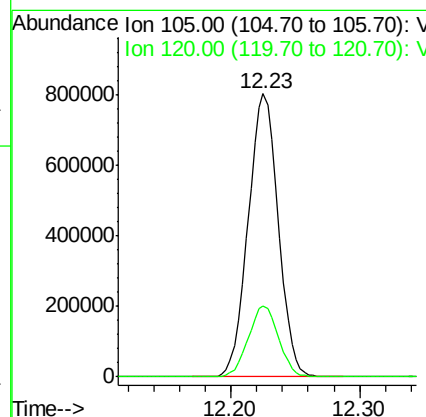
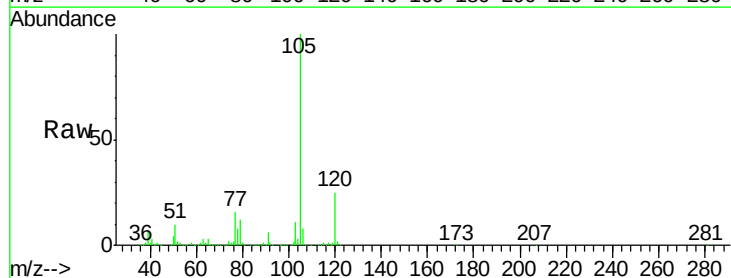
Manual Integrations
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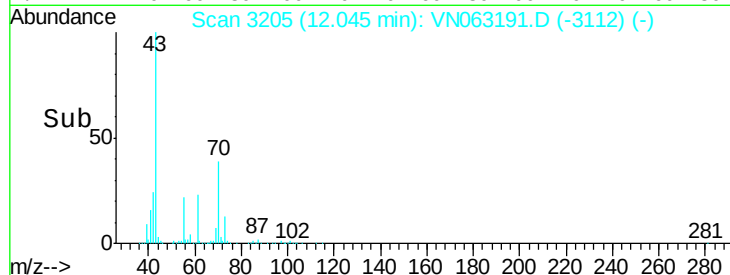
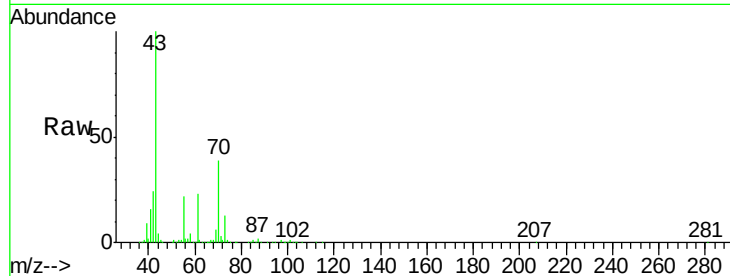
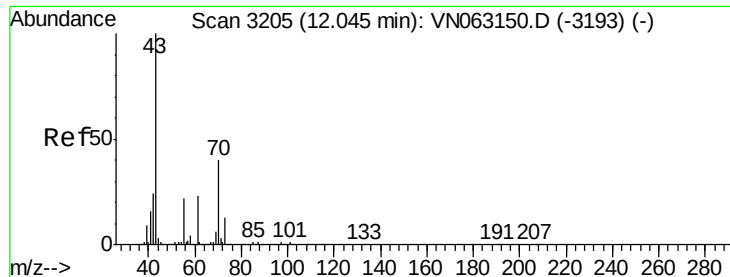
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 9/3/2020 9:29:02 AM



#73
 Isopropylbenzene
 Concen: 50.240 ug/l
 RT: 12.23 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1301531		
120	25.2	12.9	38.6	





#74

N-amvl acetate

Concen: 51.671 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		554470		
70	39.2	32.1	48.1		
55	21.9	17.4	26.0		
61	22.3	18.6	27.8		

Instrument :

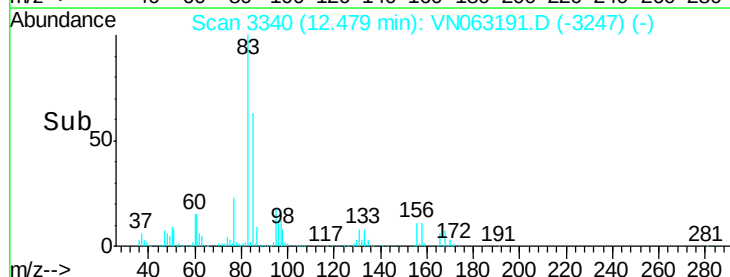
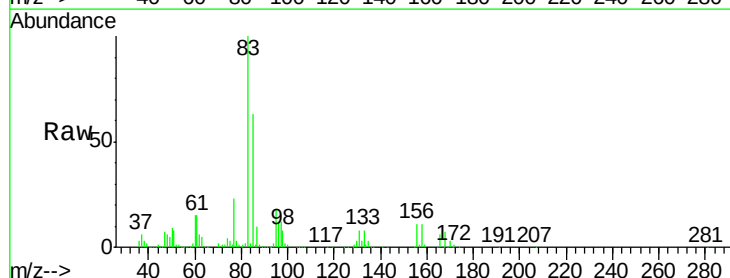
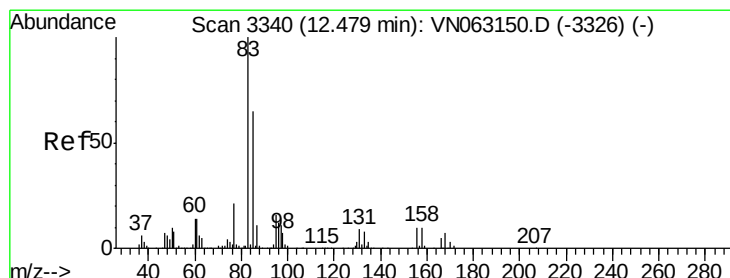
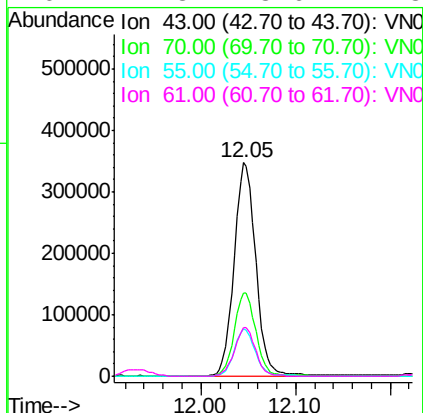
MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.281 ug/l

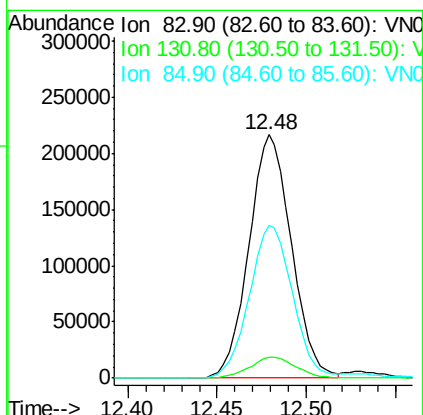
RT: 12.48 min Scan# 3340

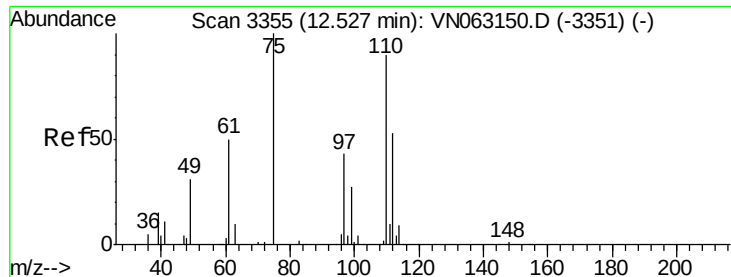
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		360602		
131	9.3	4.7	14.0		
85	63.7	32.7	98.1		





#76

1,2,3-Trichloropropane

Concen: 49.941 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 75 Resp: 331425

Ion Ratio Lower Upper

75 100

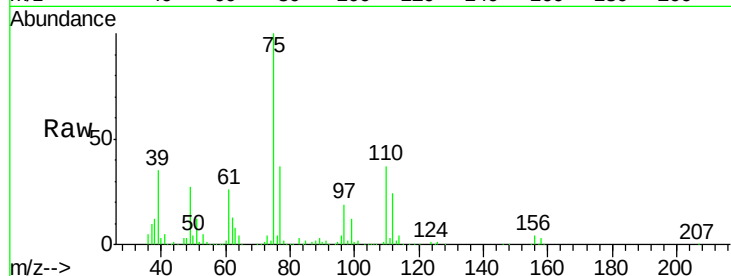
77 0.0 0.0 0.0

Manual Integrations

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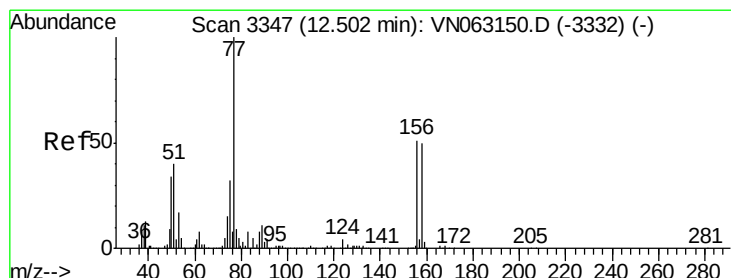
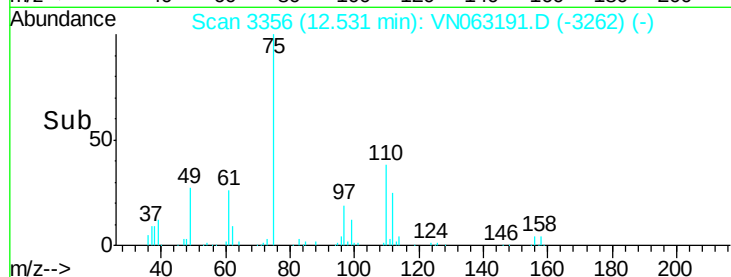
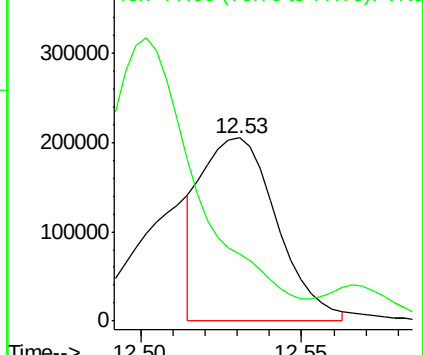
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 49.657 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

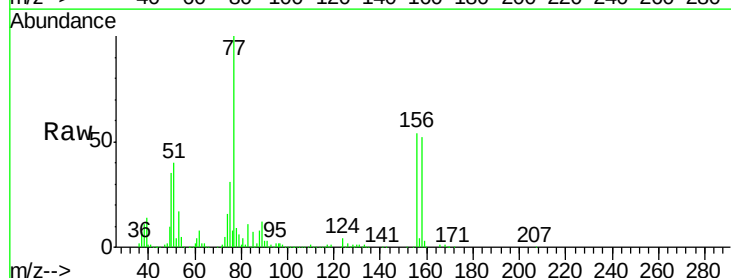
Tgt Ion: 156 Resp: 290937

Ion Ratio Lower Upper

156 100

77 225.4 116.1 348.3

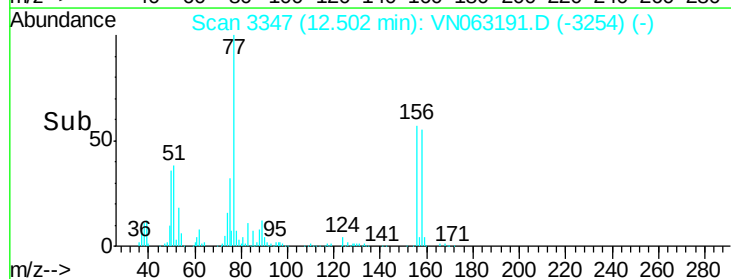
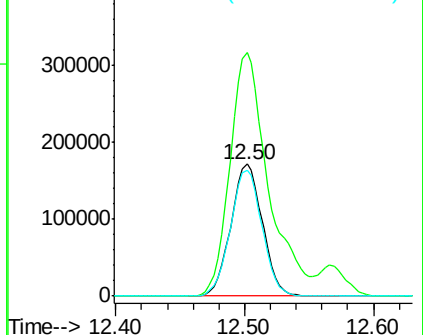
158 95.8 48.8 146.4

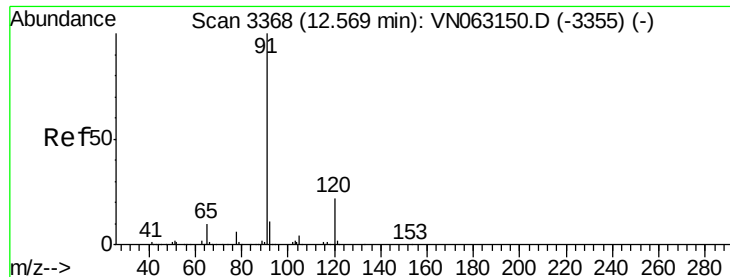


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 50.384 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 91 Resp: 1510412

Ion Ratio Lower Upper

91 100

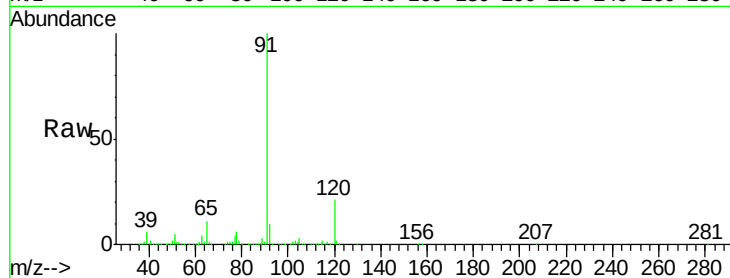
120 21.3 10.9 32.7

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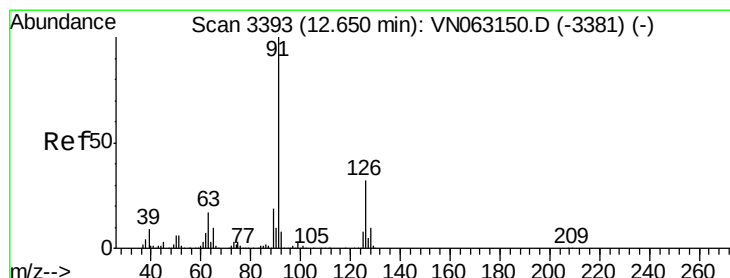
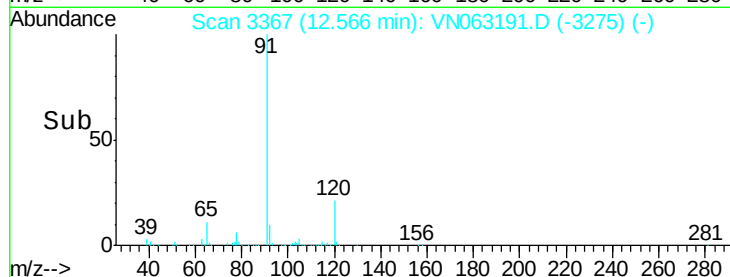
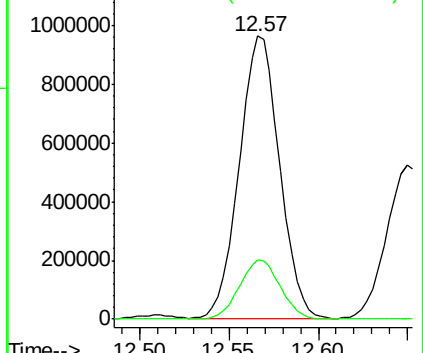
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.405 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063191.D

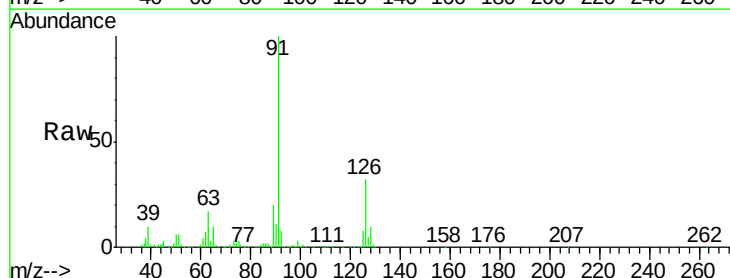
Acq: 2 Sep 2020 13:29

Tgt Ion: 91 Resp: 869109

Ion Ratio Lower Upper

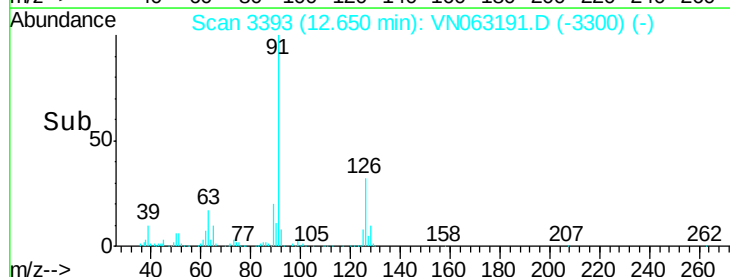
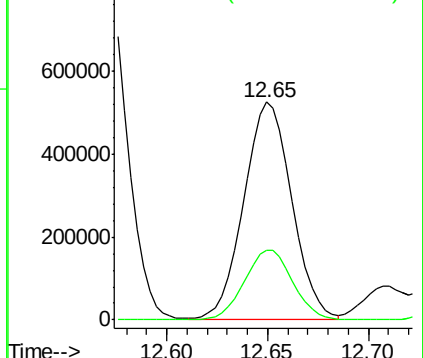
91 100

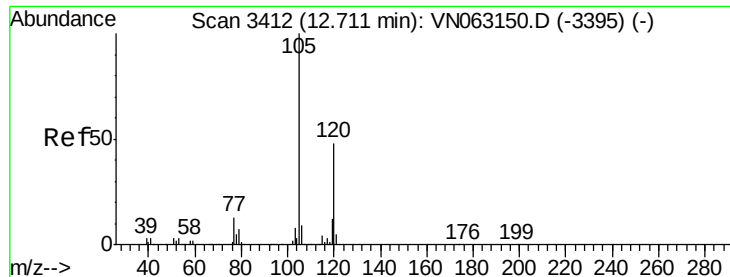
126 32.7 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.350 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:105 Resp: 1085725

Ion Ratio Lower Upper

105 100

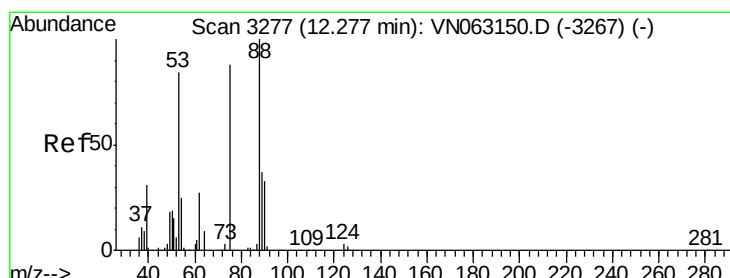
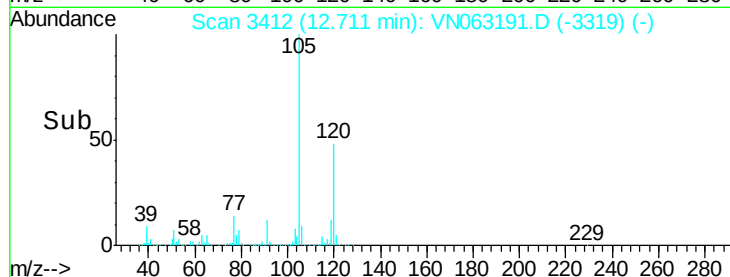
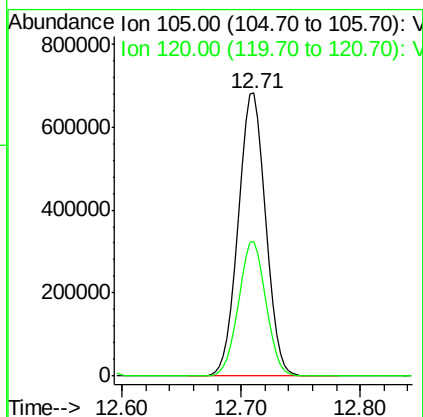
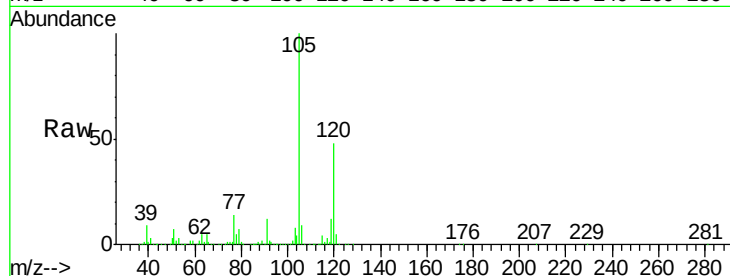
120 47.4 24.2 72.6

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#81

trans-1,4-Dichloro-2-butene

Concen: 46.446 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

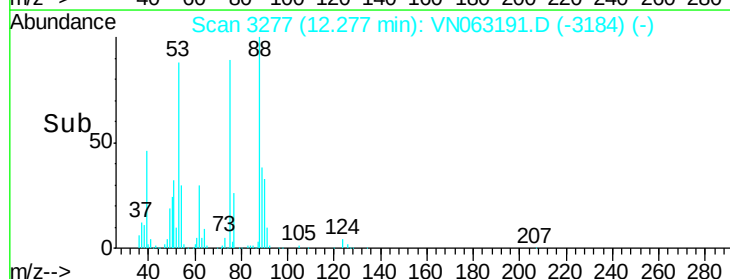
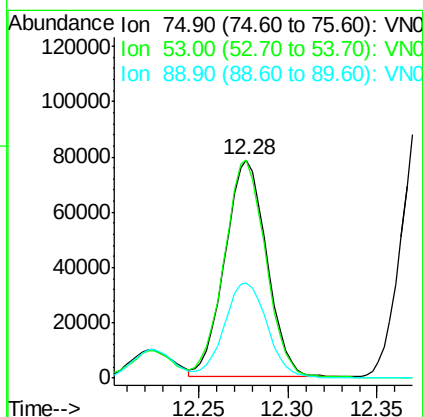
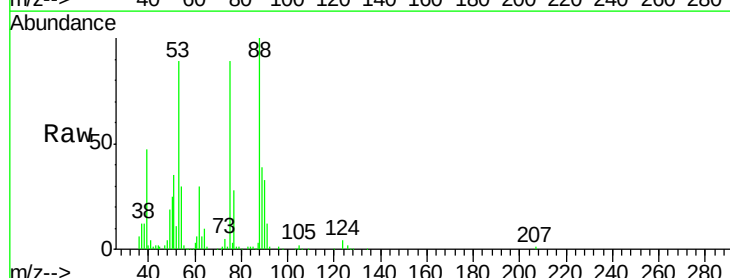
Tgt Ion: 75 Resp: 127527

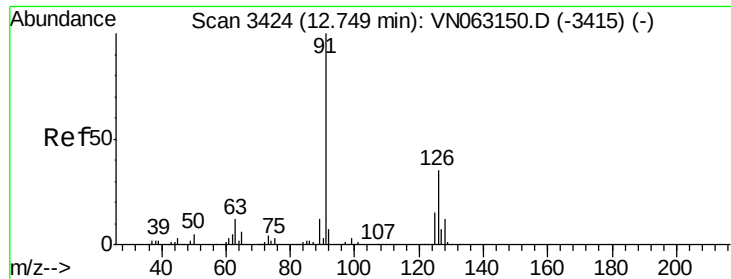
Ion Ratio Lower Upper

75 100

53 100.8 78.7 118.1

89 45.4 35.3 52.9





#82

4-Chlorotoluene

Concen: 49.850 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion: 91 Resp: 928295

Ion Ratio Lower Upper

91 100

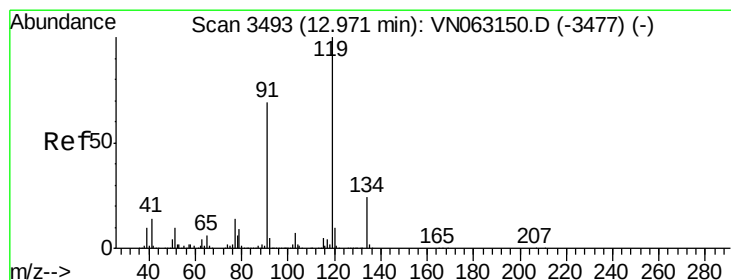
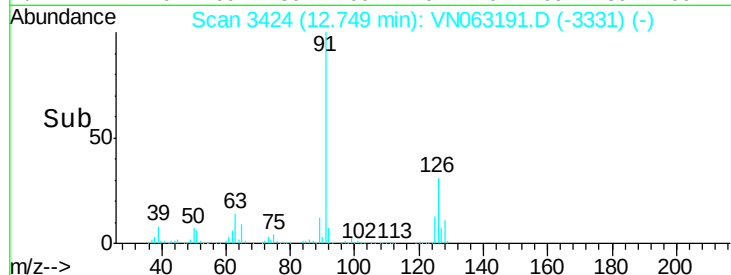
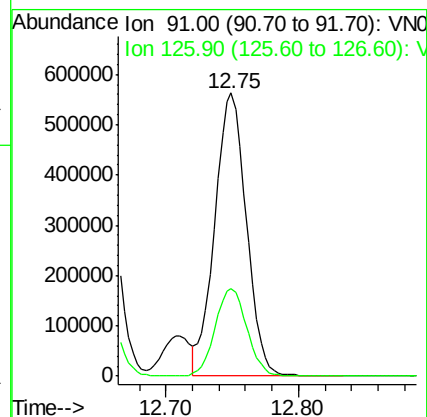
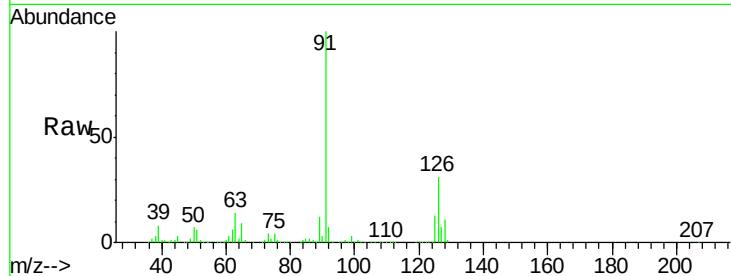
126 31.0 16.2 48.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.419 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

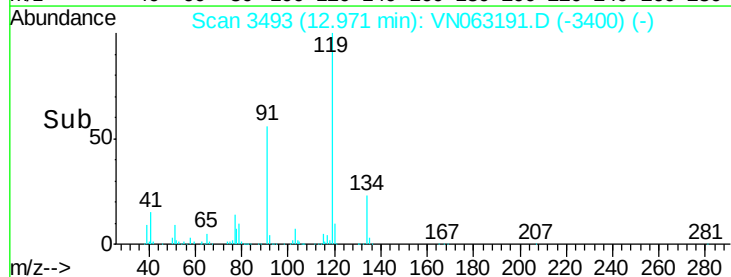
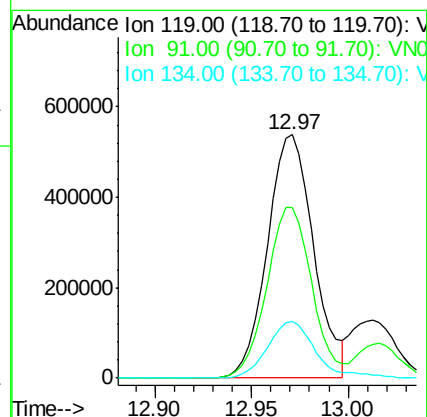
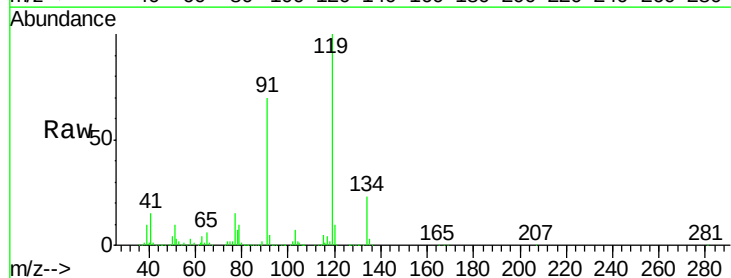
Tgt Ion: 119 Resp: 895431

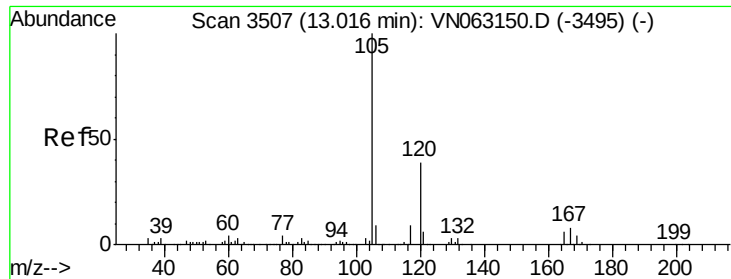
Ion Ratio Lower Upper

119 100

91 67.9 33.7 101.0

134 24.4 12.0 36.0





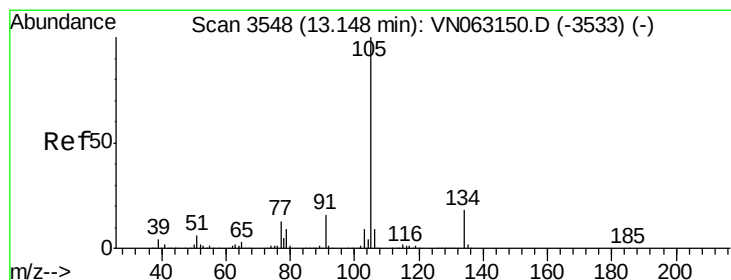
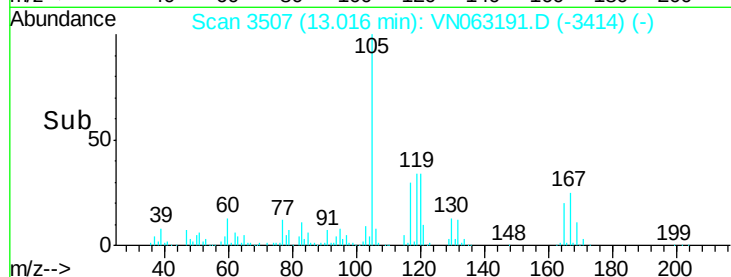
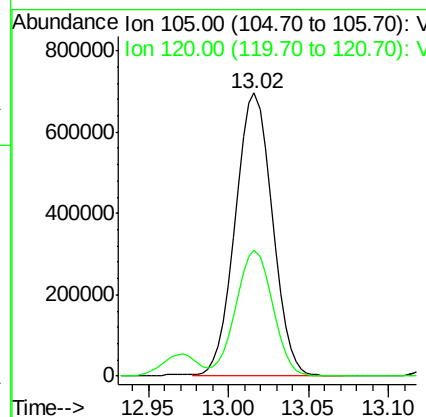
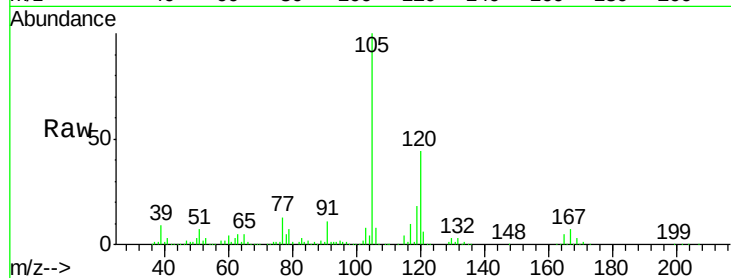
#84
1,2,4-Trimethylbenzene
Concen: 50.325 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion:105 Resp: 1093816
Ion Ratio Lower Upper
105 100
120 44.5 22.6 67.7

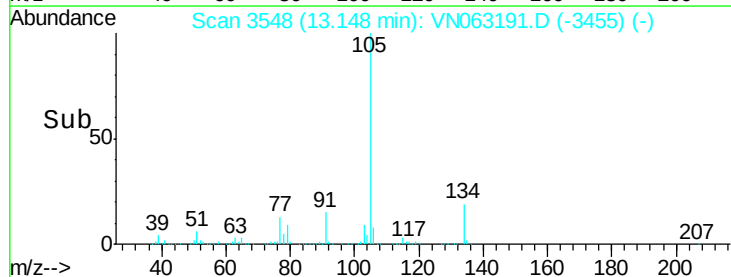
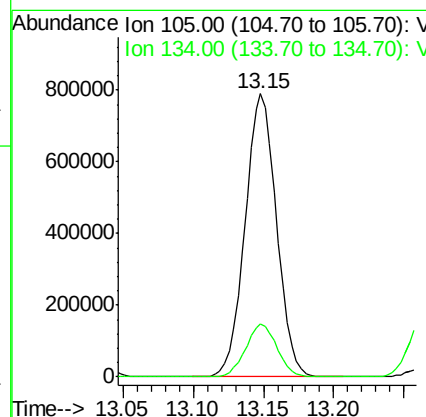
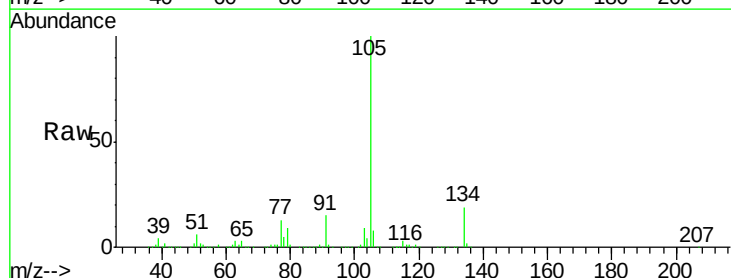
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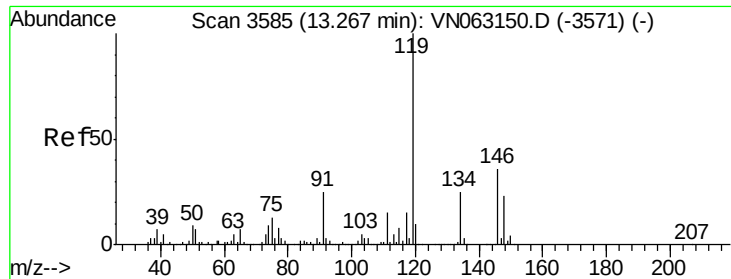
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#85
sec-Butylbenzene
Concen: 50.949 ug/l
RT: 13.15 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion:105 Resp: 1227983
Ion Ratio Lower Upper
105 100
134 18.7 9.4 28.3





#86

p-Isopropyltoluene

Concen: 51.371 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

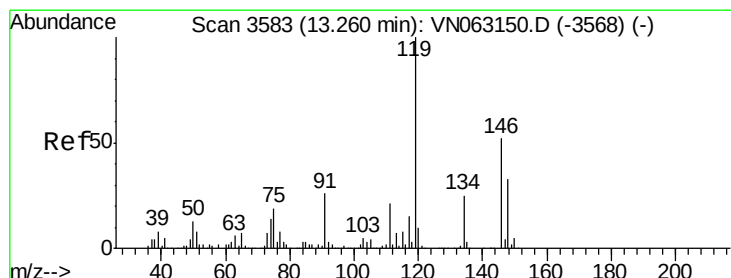
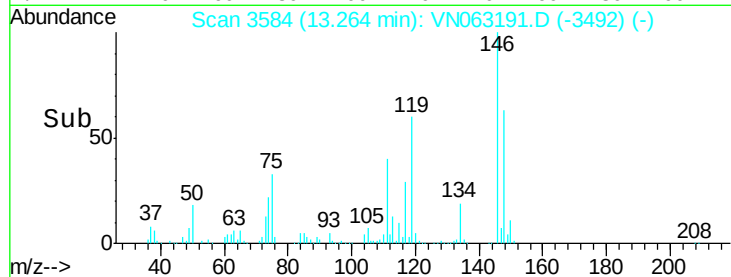
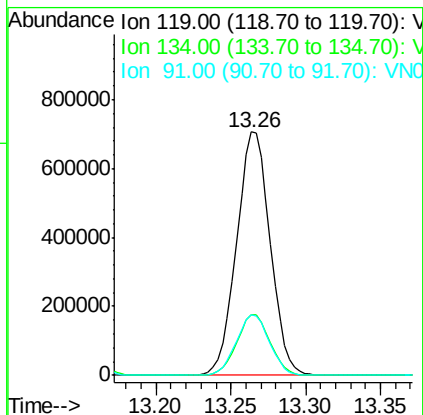
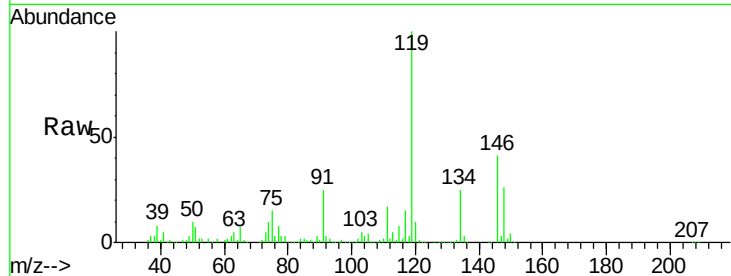
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:119	Resp: 1099257		
Ion Ratio	Lower	Upper	
119 100			
134 24.7	12.4	37.4	
91 25.0	12.2	36.6	

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#87

1,3-Dichlorobenzene

Concen: 50.255 ug/l

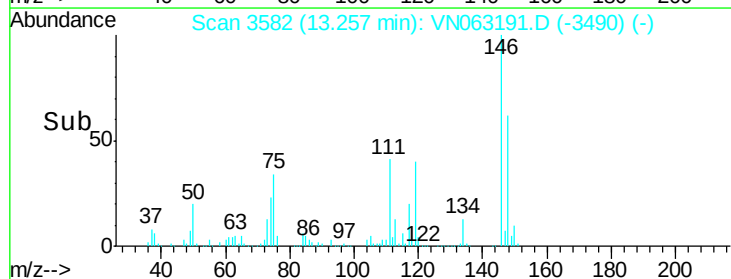
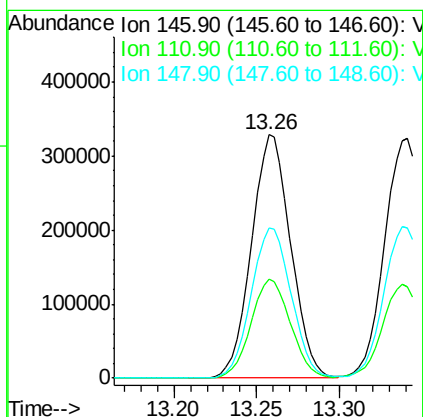
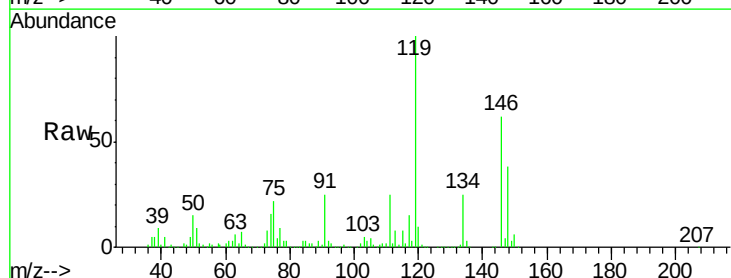
RT: 13.26 min Scan# 3582

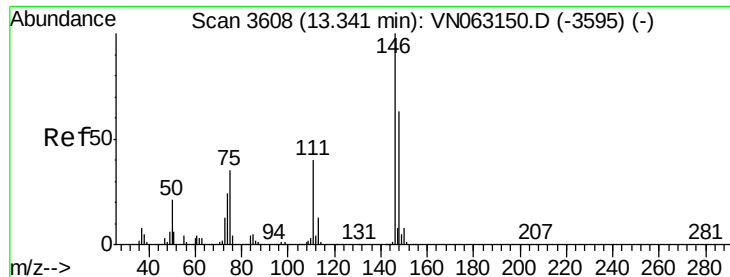
Delta R.T. -0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:146	Resp: 540911		
Ion Ratio	Lower	Upper	
146 100			
111 40.8	21.3	63.7	
148 62.9	31.9	95.9	





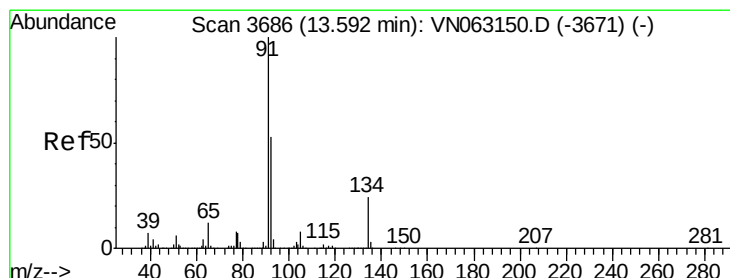
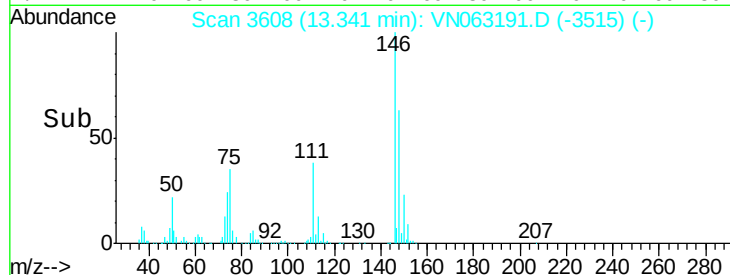
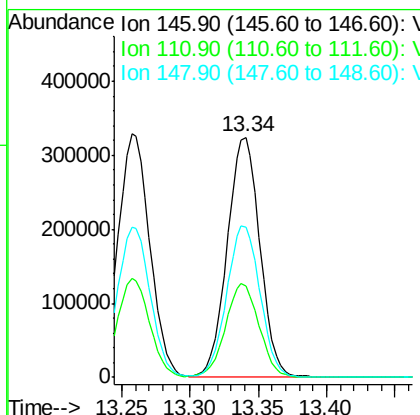
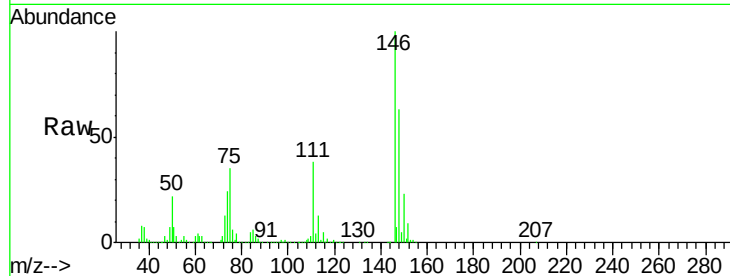
#88
 1,4-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	64.7	31.9	95.7

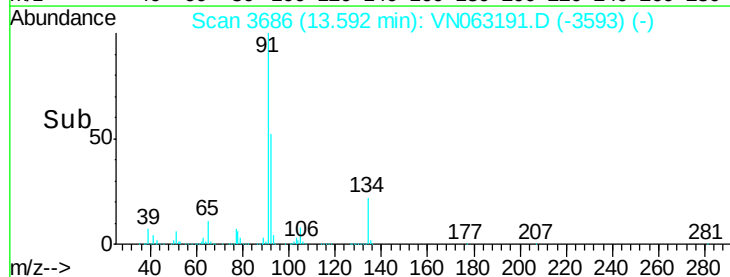
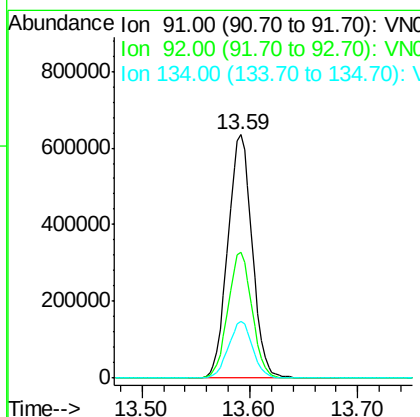
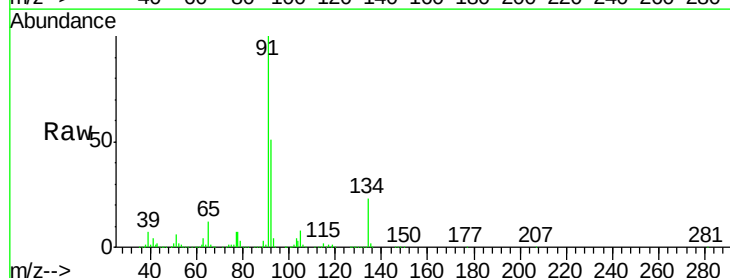
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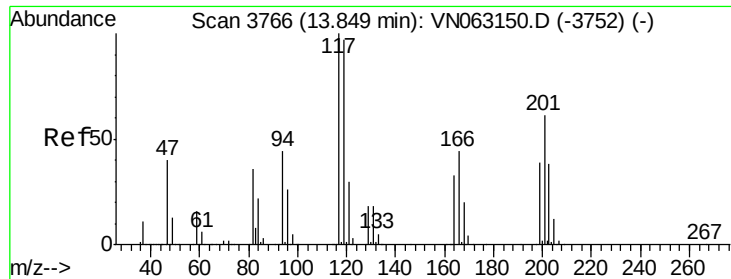
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#89
 n-Butylbenzene
 Concen: 50.479 ug/l
 RT: 13.59 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.3	78.8
134	23.1	12.0	36.0





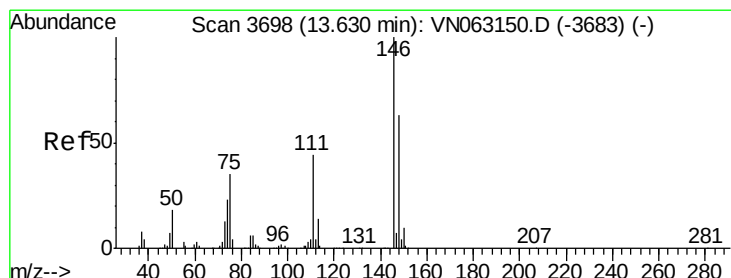
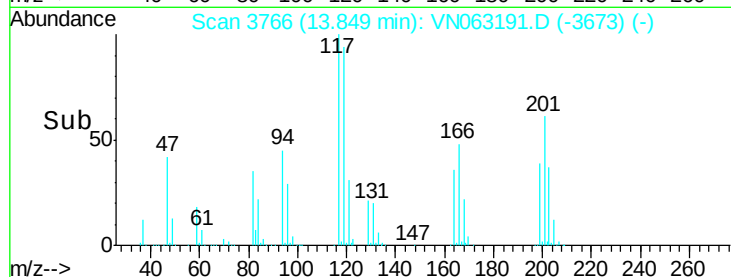
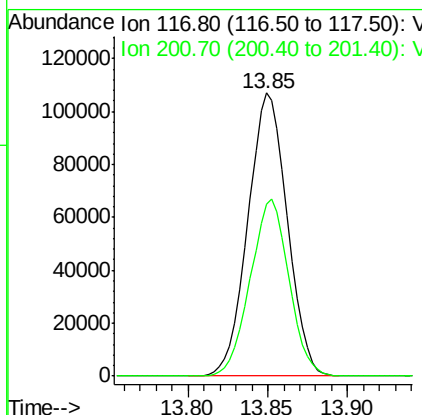
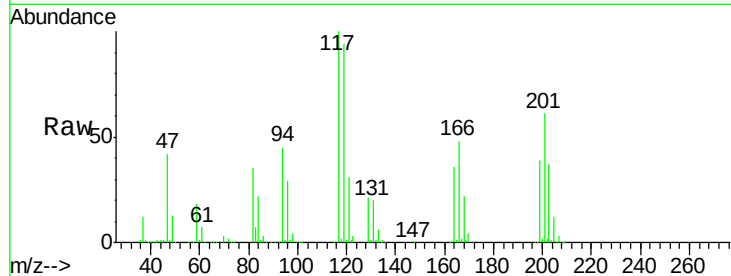
#90
Hexachloroethane
Concen: 45.520 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	180311		
201	61.4	30.6	92.0	

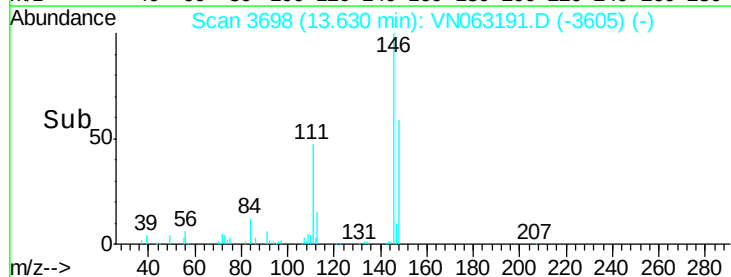
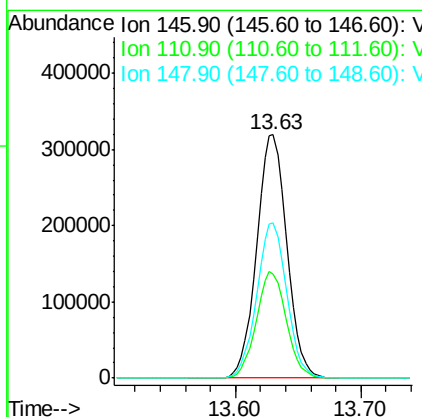
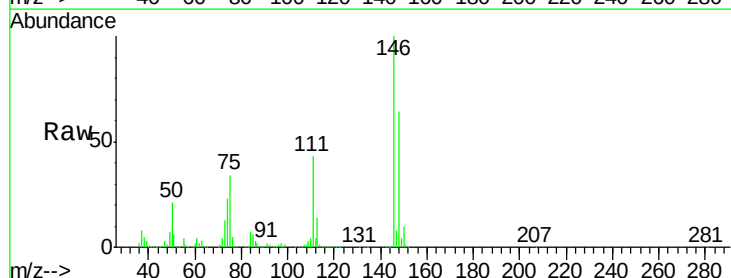
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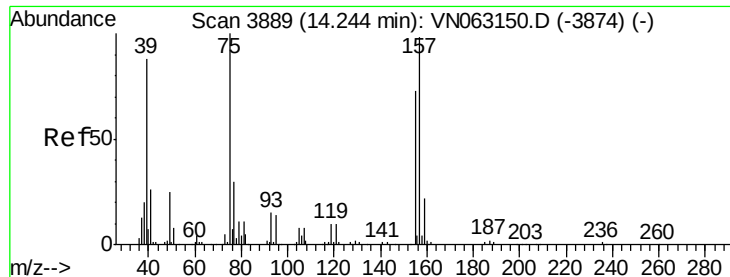
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#91
1,2-Dichlorobenzene
Concen: 51.179 ug/l
RT: 13.63 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN063191.D
Acq: 2 Sep 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	534557		
111	43.4	22.0	66.0	
148	63.6	31.6	95.0	





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.729 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

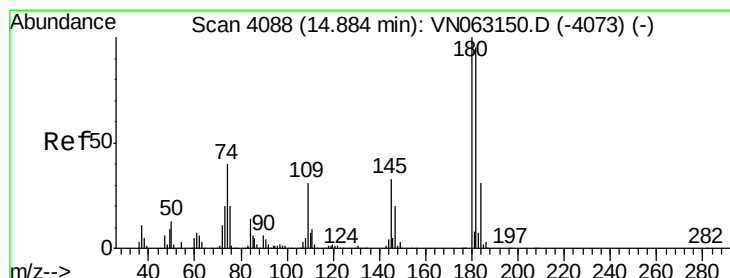
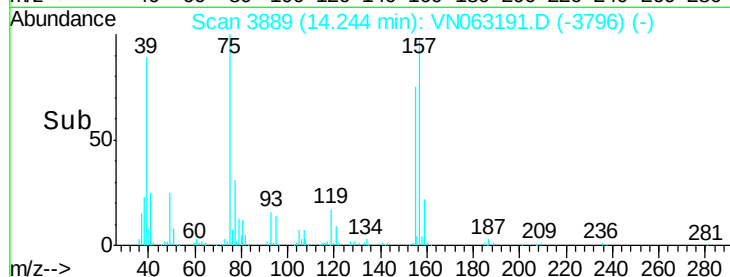
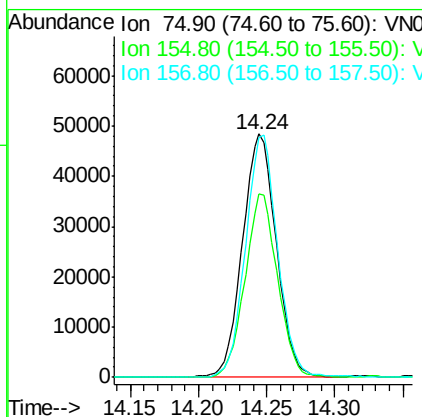
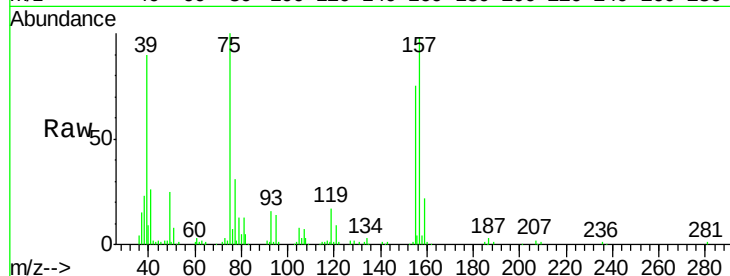
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	75	Resp:	83299
Ion Ratio	Lower	Upper	
75	100		
155	73.0	36.1	108.5
157	94.5	48.4	145.0

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 49.020 ug/l

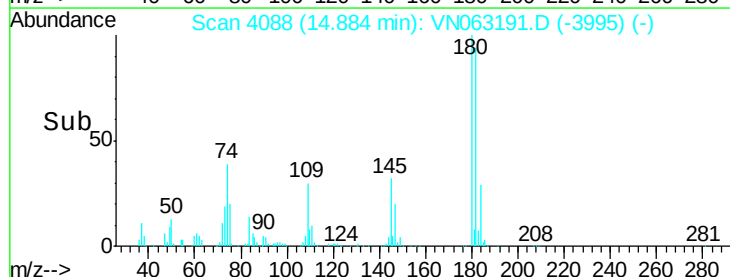
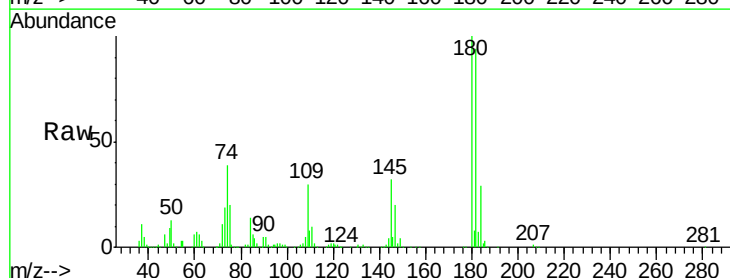
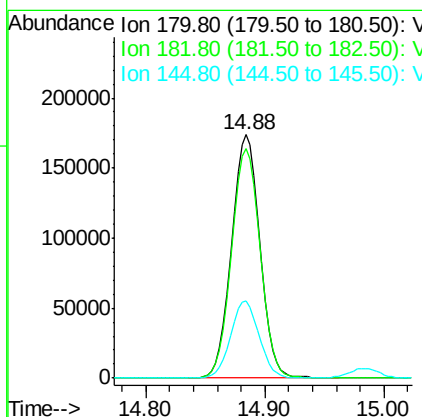
RT: 14.88 min Scan# 4088

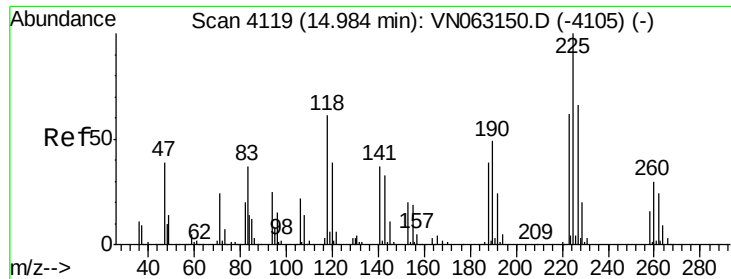
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	180	Resp:	286047
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.5
145	31.9	16.6	49.8





#94

Hexachlorobutadiene

Concen: 46.408 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Instrument :

MSVOA_N

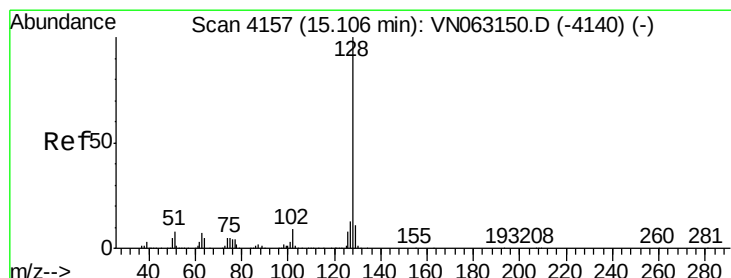
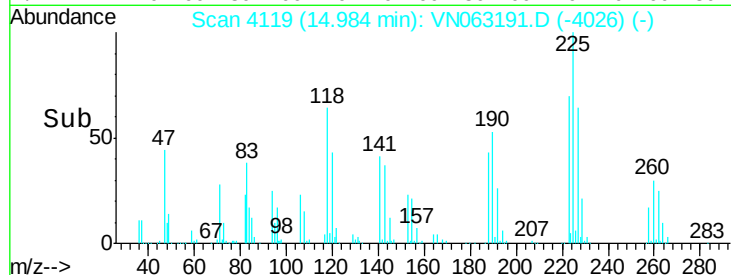
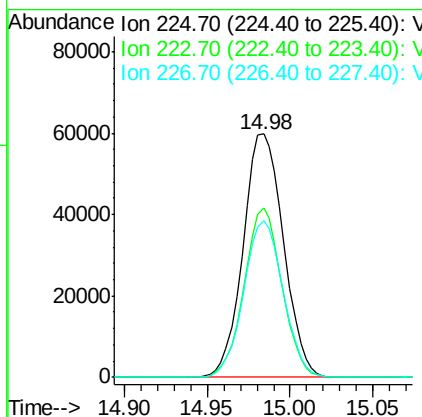
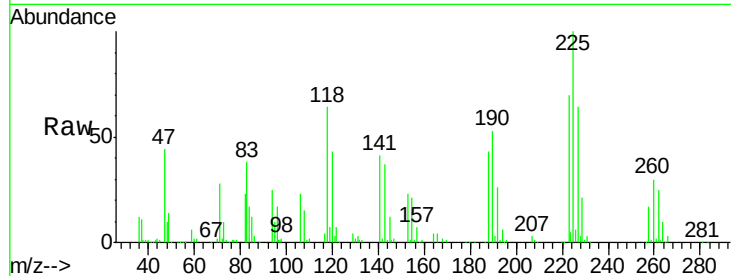
ClientSampleId :

BP-VPB181-GW-783-785MSD

Tot Ion:	225	Resp:	101165
Ion Ratio		Lower	Upper
225	100		
223	65.0	30.9	92.7
227	62.7	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:29:02 AM



#95

Naphthalene

Concen: 49.419 ug/l

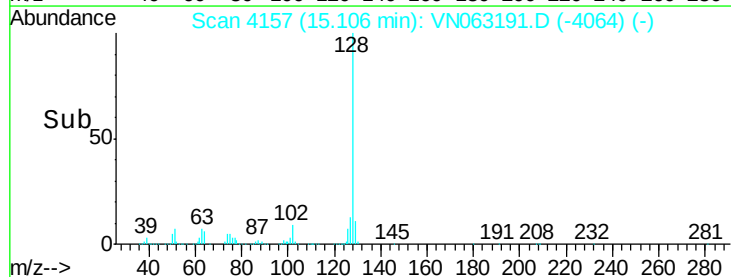
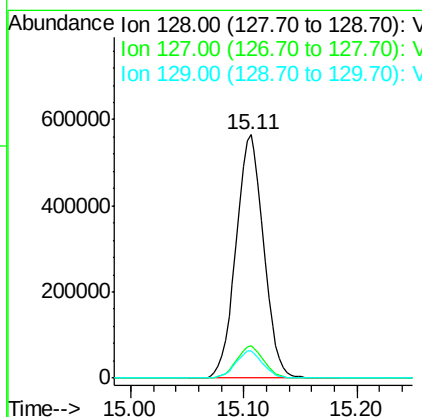
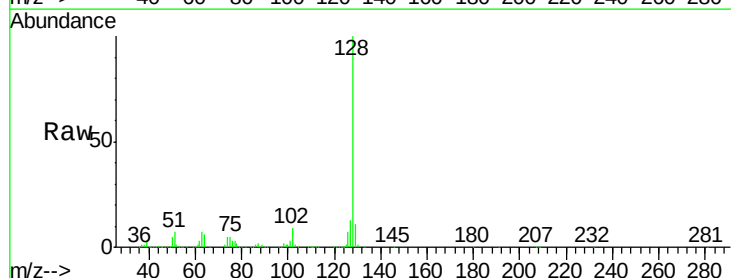
RT: 15.11 min Scan# 4157

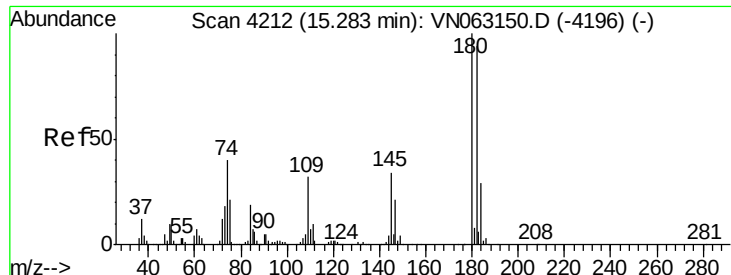
Delta R.T. 0.00 min

Lab File: VN063191.D

Acq: 2 Sep 2020 13:29

Tgt Ion:	128	Resp:	962130
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 48.083 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063191.D
 Acq: 2 Sep 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-783-785MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273362		
182	95.9	47.5	142.5	
145	35.9	17.3	52.0	

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:29:02 AM

