

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063190.D
 Acq On : 2 Sep 2020 13:05
 Operator : JC/MD
 Sample : L3889-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:28:57 AM

Quant Time: Sep 03 02:05:53 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	424516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	789853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	738386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	353462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	327788	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.55	113	239836	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.06	98	929148	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.38	95	337543	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	176457	42.207	ug/l	97
3) Chloromethane	2.04	50	256679	42.163	ug/l	99
4) Vinyl Chloride	2.17	62	281470	41.856	ug/l	98
5) Bromomethane	2.53	94	252295	44.570	ug/l	99
6) Chloroethane	2.67	64	250506	46.851	ug/l	100
7) Trichlorofluoromethane	2.98	101	449809	48.358	ug/l	98
8) Diethyl Ether	3.38	74	143438	44.580	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	210583	46.070	ug/l	99
10) Methyl Iodide	3.91	142	266220	42.704	ug/l	99
11) Tert butyl alcohol	4.73	59	200256	235.088	ug/l	99
12) 1,1-Dichloroethene	3.70	96	213415	45.821	ug/l	96
13) Acrolein	3.57	56	131613	395.999	ug/l	99
14) Allyl chloride	4.28	41	380456	45.994	ug/l	96
15) Acrylonitrile	4.93	53	558475	234.209	ug/l	100
16) Acetone	3.77	43	482799	244.737	ug/l	100
17) Carbon Disulfide	4.01	76	597476	43.098	ug/l	99
18) Methyl Acetate	4.28	43	252920	50.002	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	797751	46.171	ug/l	100
20) Methylene Chloride	4.51	84	252986	45.564	ug/l	89
21) trans-1,2-Dichloroethene	4.99	96	248526	48.297	ug/l	92
22) Diisopropyl ether	5.90	45	860765	46.436	ug/l	98
23) Vinyl Acetate	5.84	43	3589837	242.709	ug/l	100
24) 1,1-Dichloroethane	5.80	63	471003	46.091	ug/l	99
25) 2-Butanone	6.78	43	780574	255.543	ug/l	100
26) 2,2-Dichloropropane	6.78	77	422851	45.671	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	290300	46.414	ug/l	99
28) Bromochloromethane	7.15	49	249296	46.695	ug/l	98
29) Tetrahydrofuran	7.16	42	520886	246.620	ug/l	98
30) Chloroform	7.33	83	501335	46.892	ug/l	98
31) Cyclohexane	7.61	56	398529	44.046	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	447975	48.625	ug/l	100
36) 1,1-Dichloropropene	7.75	75	364020	47.940	ug/l	99
37) Ethyl Acetate	6.88	43	345830	48.246	ug/l #	95
38) Carbon Tetrachloride	7.73	117	367659	47.744	ug/l	97

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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)
39) Methylcyclohexane	9.05	83	401387	47.054	ug/l	99
40) Benzene	8.00	78	1100740	49.330	ug/l	99
41) Methacrylonitrile	7.13	41	168949m	52.815	ug/l	
42) 1,2-Dichloroethane	8.09	62	417268	50.061	ug/l	98
43) Isopropyl Acetate	8.13	43	626403	50.584	ug/l	99
44) Trichloroethene	8.80	130	281966	52.097	ug/l	96
45) 1,2-Dichloropropane	9.08	63	277809	47.023	ug/l	100
46) Dibromomethane	9.18	93	196012	50.065	ug/l	98
47) Bromodichloromethane	9.37	83	414933	49.444	ug/l	99
48) Methyl methacrylate	9.17	41	289803	51.913	ug/l	96
49) 1,4-Dioxane	9.17	88	88133	1020.712	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1803658	268.032	ug/l	99
52) Toluene	10.13	92	693935	49.923	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	442766	48.234	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	467032	48.469	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	271580	51.017	ug/l	99
56) Ethyl methacrylate	10.40	69	405441	50.047	ug/l	99
57) 1,3-Dichloropropane	10.68	76	472890	49.865	ug/l	100
59) 2-Hexanone	10.72	43	1318063	278.706	ug/l	100
60) Dibromochloromethane	10.87	129	300967	51.139	ug/l	100
61) 1,2-Dibromoethane	10.98	107	281731	50.911	ug/l	97
64) Tetrachloroethene	10.60	164	288533	54.416	ug/l	93
65) Chlorobenzene	11.41	112	723589	48.655	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	272460	49.344	ug/l	99
67) Ethyl Benzene	11.49	91	1363056	50.240	ug/l	99
68) m/p-Xylenes	11.60	106	1005671	100.083	ug/l	99
69) o-Xylene	11.92	106	486202	50.087	ug/l	99
70) Stvrene	11.94	104	838708	50.274	ug/l	99
71) Bromoform	12.10	173	189617	50.602	ug/l #	99
73) Isopropylbenzene	12.23	105	1326567	48.933	ug/l	100
74) N-amyl acetate	12.05	43	544592	48.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	366615	46.906	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	330489m	47.588	ug/l	
77) Bromobenzene	12.50	156	294695	48.065	ug/l	97
78) n-propylbenzene	12.57	91	1551160	49.446	ug/l	99
79) 2-Chlorotoluene	12.65	91	902355	48.025	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1112949	49.321	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	132250	46.027	ug/l	99
82) 4-Chlorotoluene	12.75	91	948064	48.651	ug/l	98
83) tert-Butylbenzene	12.97	119	921853	47.634	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	1136484	49.966	ug/l	98
85) sec-Butylbenzene	13.15	105	1248479	49.499	ug/l	99
86) p-Isopropyltoluene	13.27	119	1116762	49.872	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	554837	49.260	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	552424	47.367	ug/l	99
89) n-Butylbenzene	13.59	91	1012659	48.951	ug/l	99
90) Hexachloroethane	13.85	117	186599	45.015	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	558649	51.111	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	85041	49.490	ug/l	97
93) 1,2,4-Trichlorobenzene	14.88	180	293341	48.037	ug/l	99

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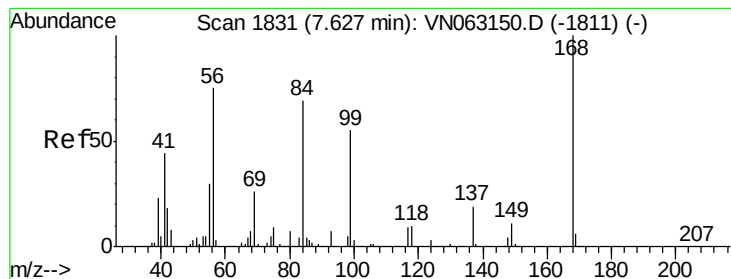
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	105441	46.222	ug/l	99
95) Naphthalene	15.11	128	963265	47.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	284336	47.793	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:168 Resp: 424516

Ion Ratio Lower Upper

168 100

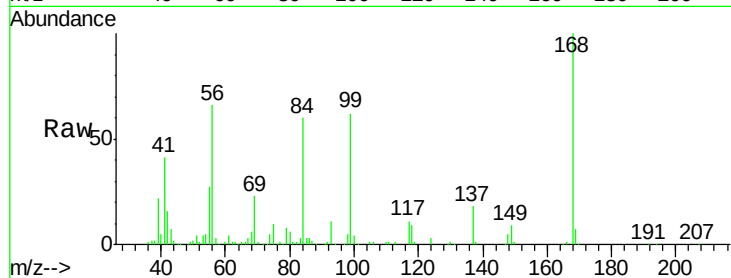
99 61.8 54.2 81.2

Manual Integrations

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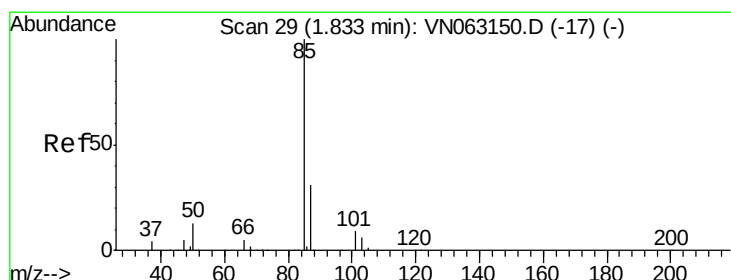
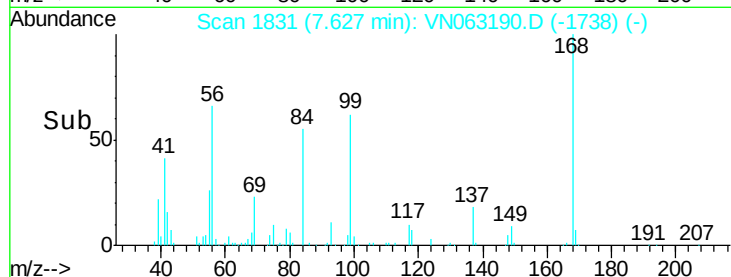
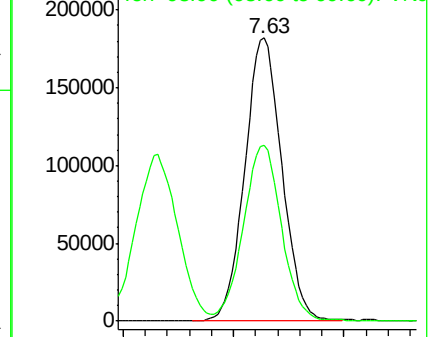
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.207 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063190.D

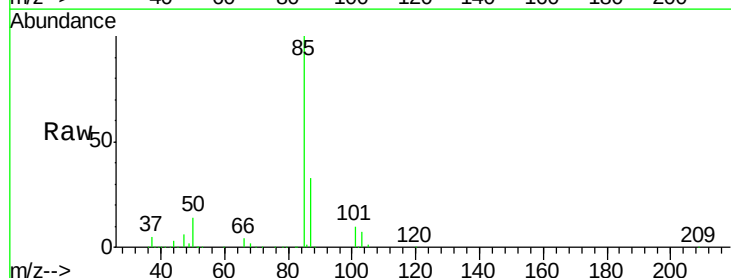
Acq: 2 Sep 2020 13:05

Tgt Ion: 85 Resp: 176457

Ion Ratio Lower Upper

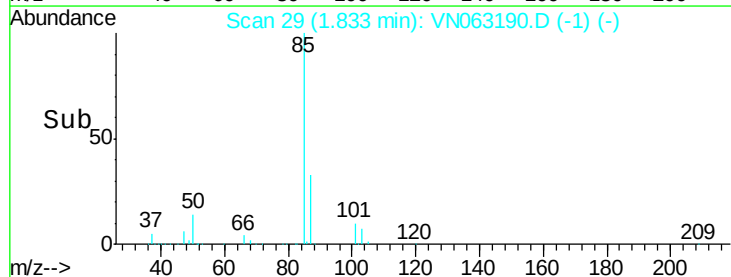
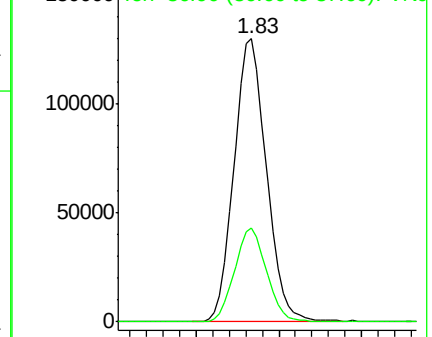
85 100

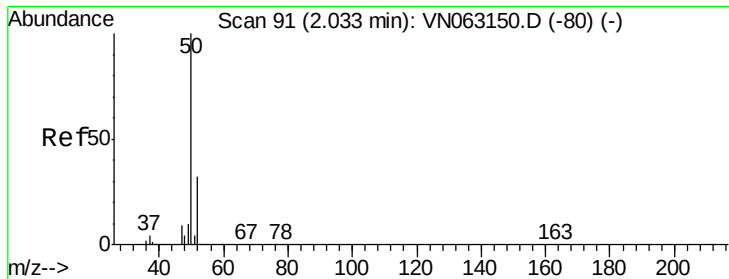
87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.163 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 50 Resp: 256679

Ion Ratio Lower Upper

50 100

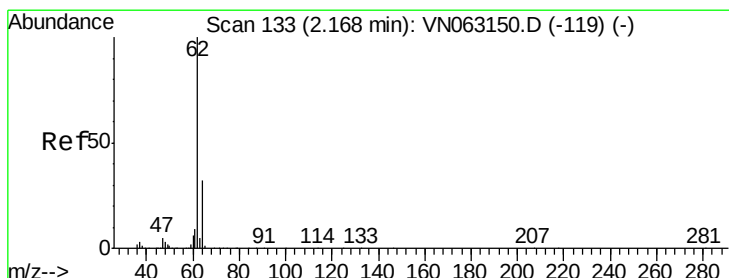
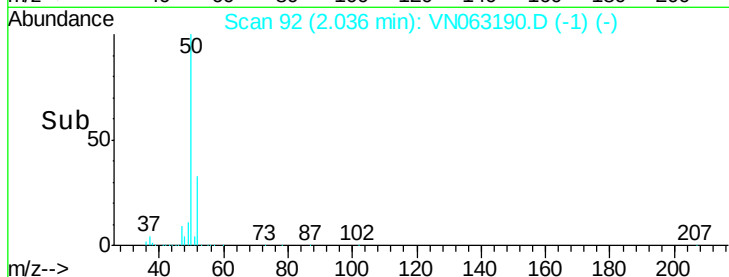
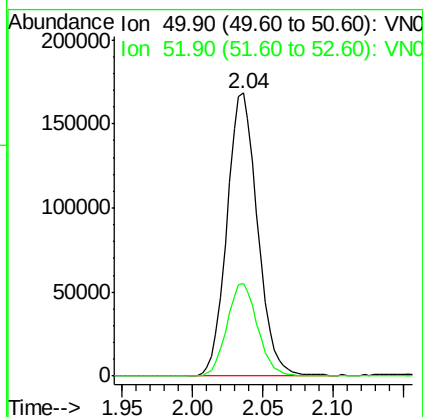
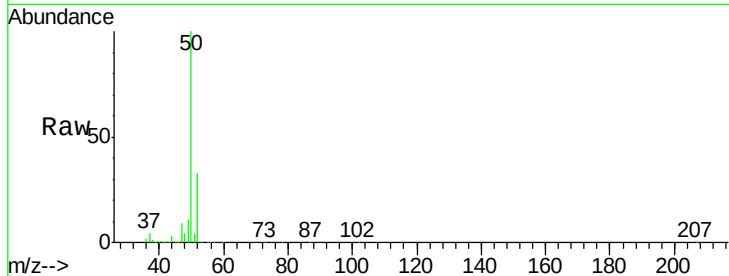
52 32.9 25.8 38.6

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#4

Vinyl Chloride

Concen: 41.856 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063190.D

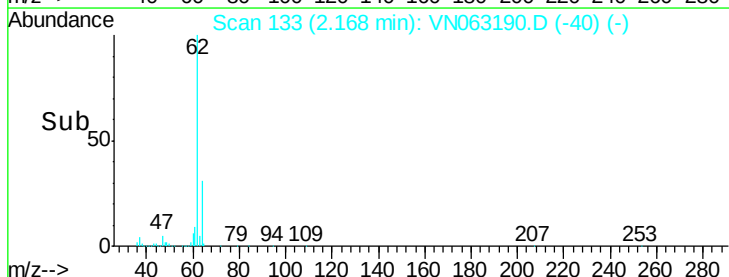
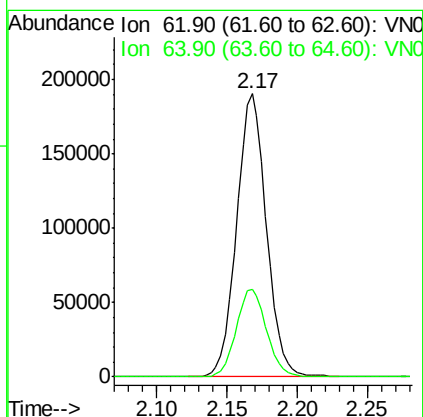
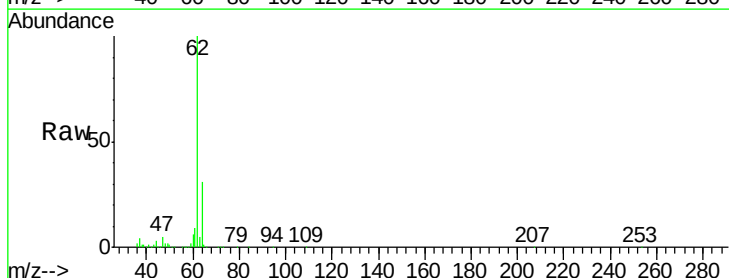
Acq: 2 Sep 2020 13:05

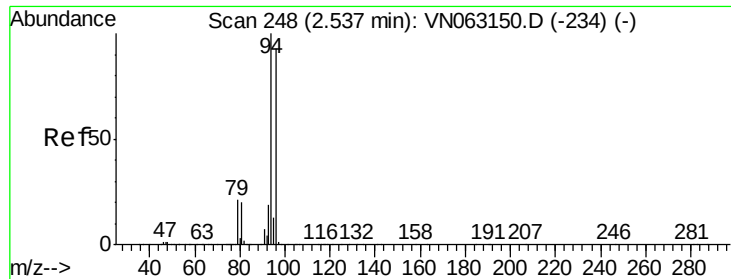
Tgt Ion: 62 Resp: 281470

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 44.570 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

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BP-VPB181-GW-783-785MS

Tot Ion: 94 Resp: 252295

Ion Ratio Lower Upper

94 100

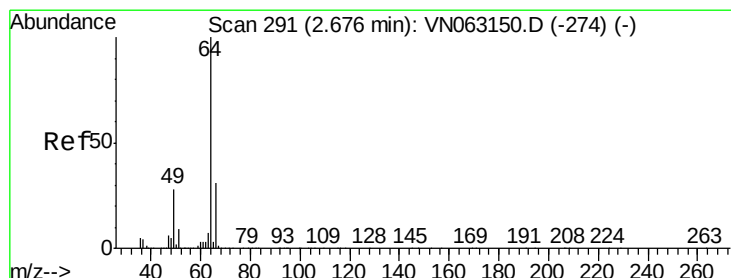
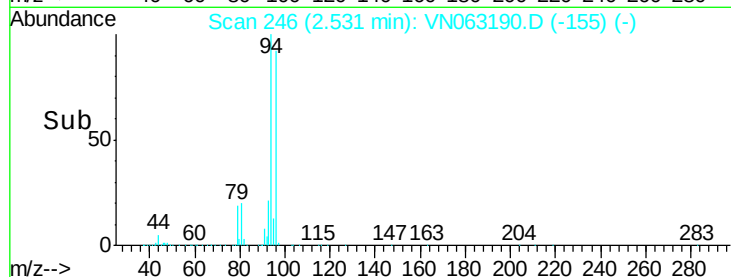
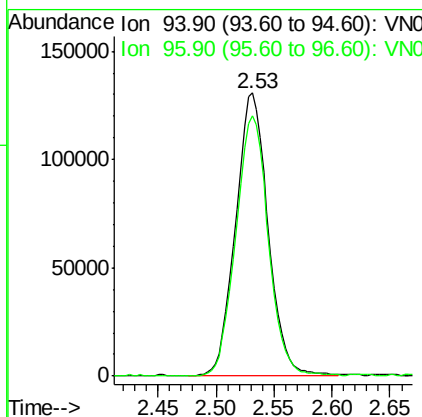
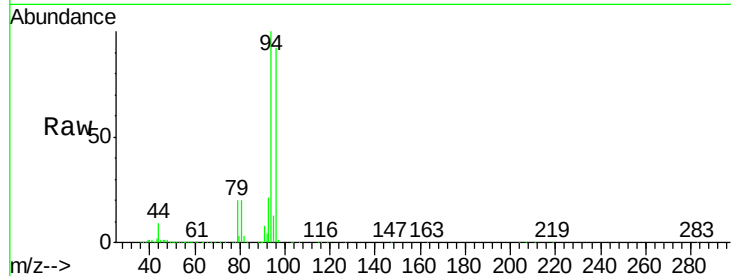
96 91.8 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 46.851 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063190.D

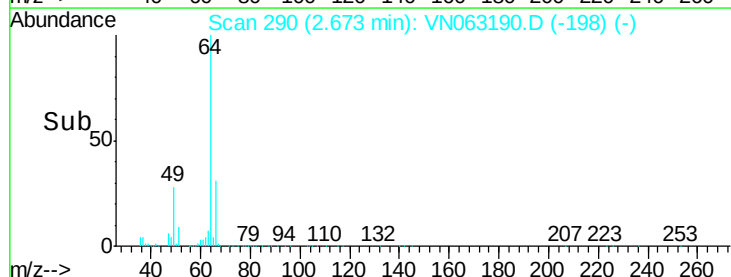
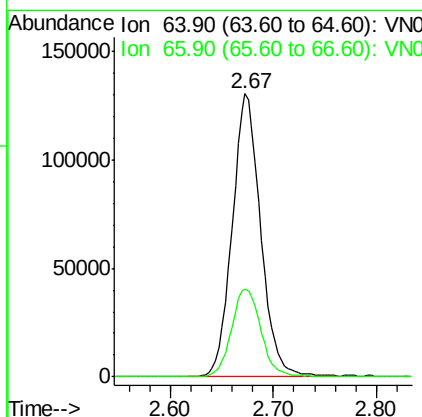
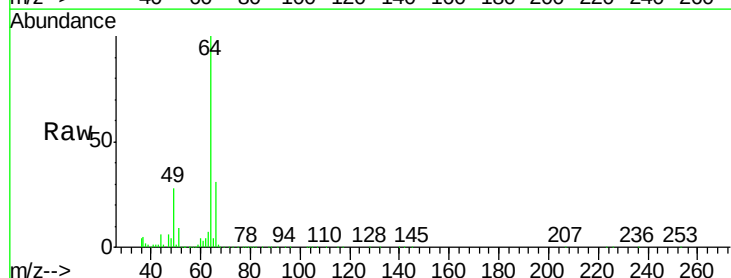
Acq: 2 Sep 2020 13:05

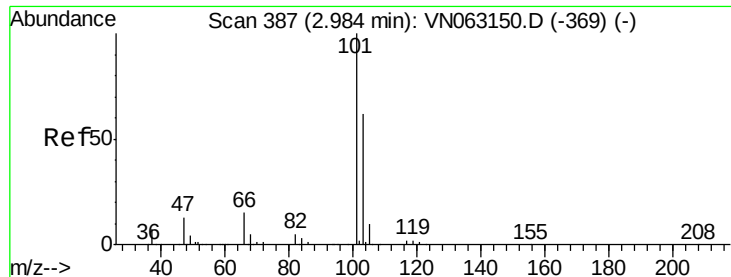
Tgt Ion: 64 Resp: 250506

Ion Ratio Lower Upper

64 100

66 30.7 24.7 37.1





#7

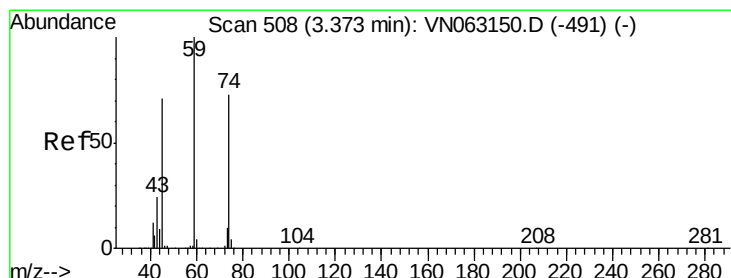
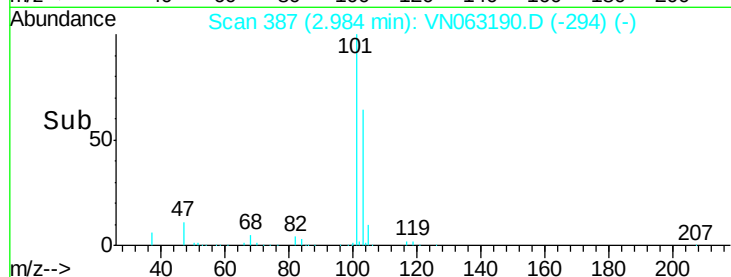
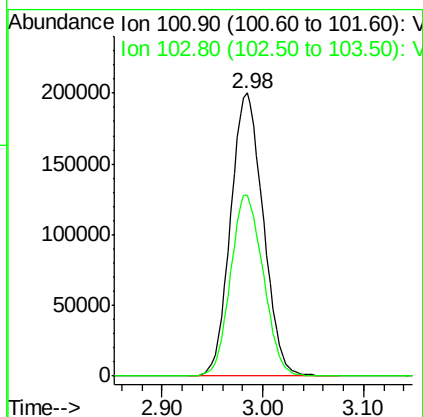
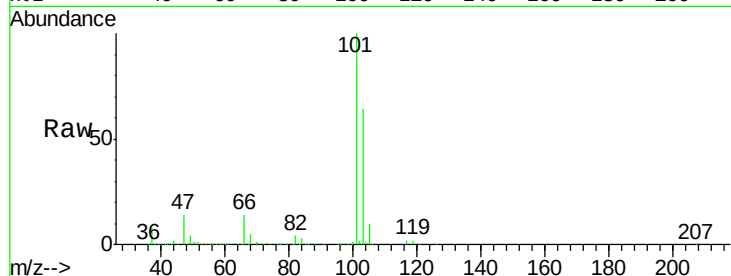
Trichlorofluoromethane
Concen: 48.358 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.7	74.5

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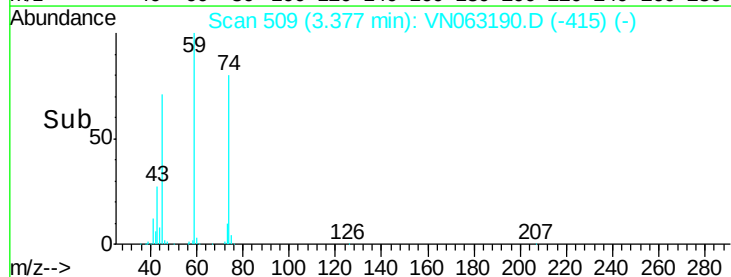
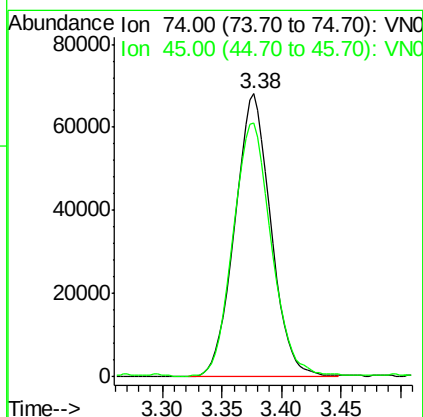
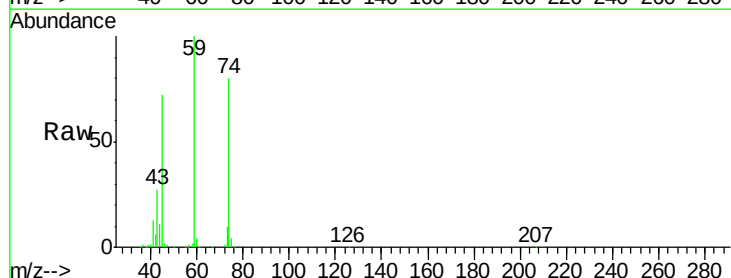
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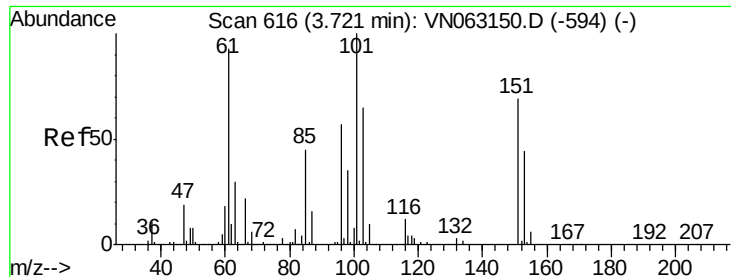


#8

Diethyl Ether
Concen: 44.580 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.070 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

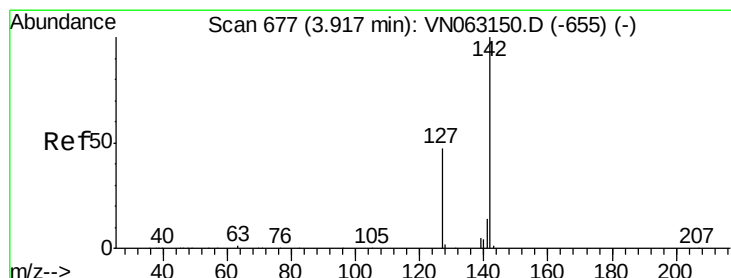
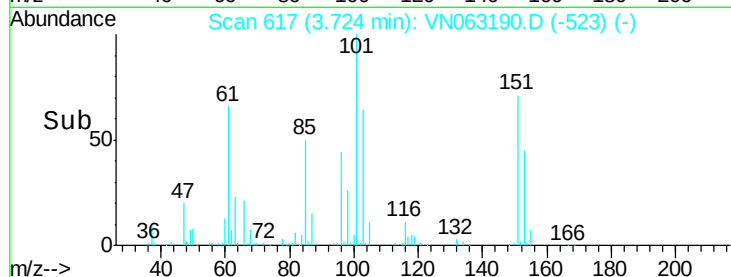
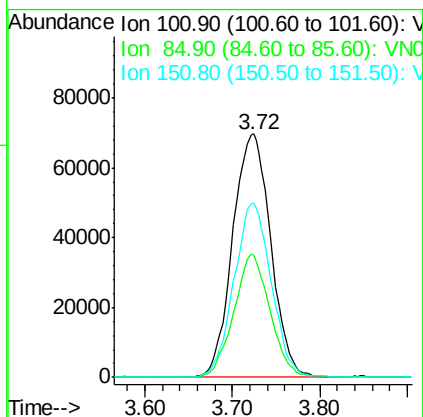
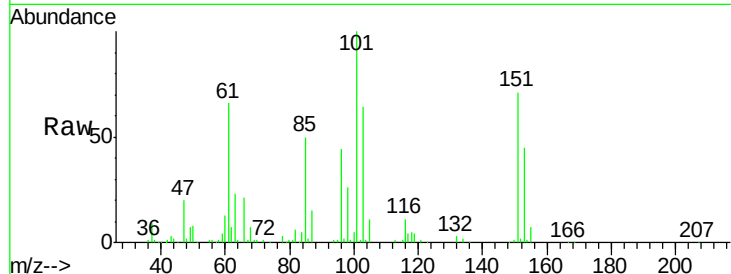
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	101	Resp:	210583
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.8	56.8
151	69.8	55.0	82.4

Manual Integrations
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MMDadoda
9/3/2020 9:28:57 AM



#10

Methyl Iodide

Concen: 42.704 ug/l

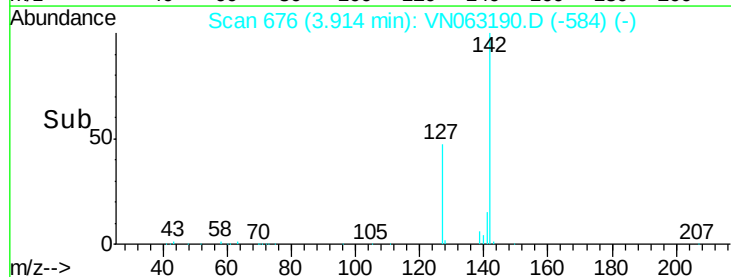
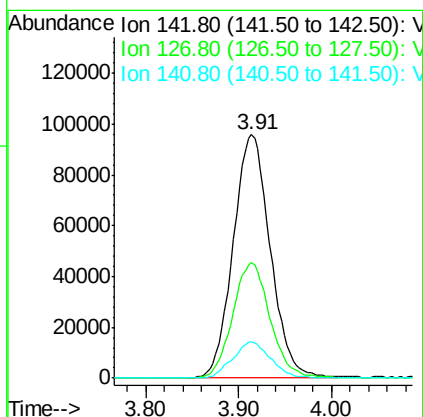
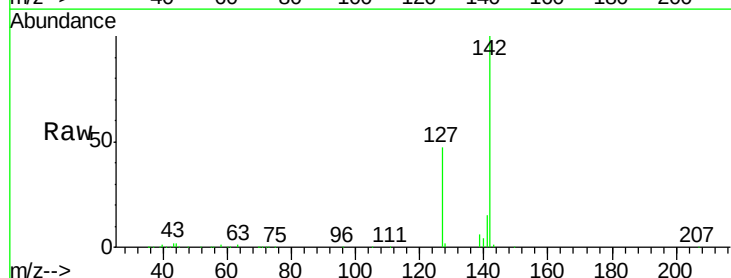
RT: 3.91 min Scan# 676

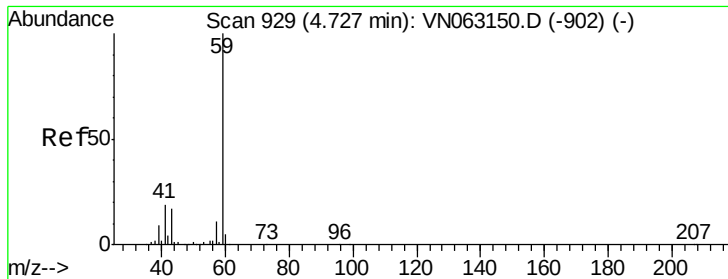
Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	142	Resp:	266220
Ion Ratio	Lower	Upper	
142	100		
127	47.6	37.6	56.4
141	15.3	11.3	16.9





#11

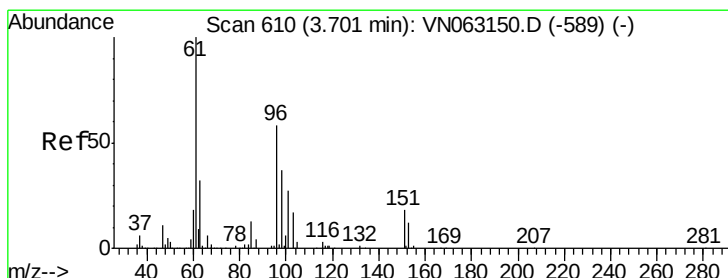
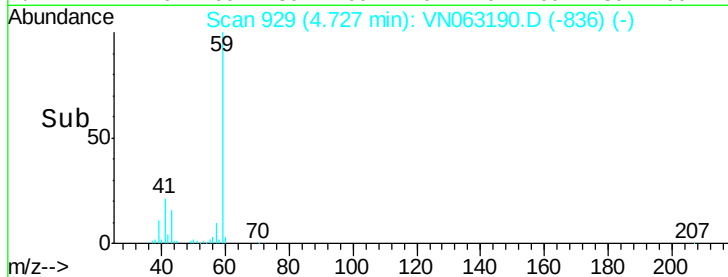
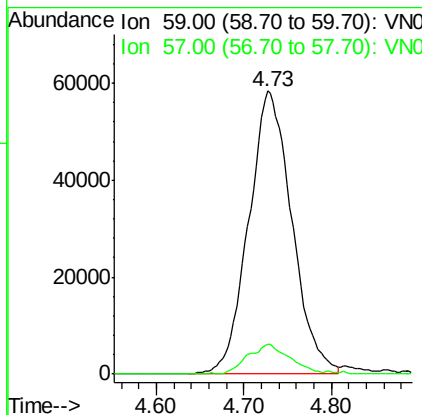
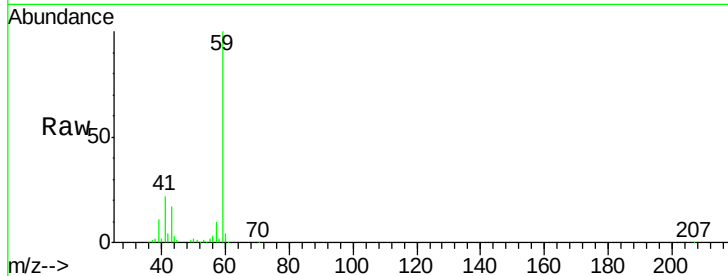
Tert butyl alcohol
 Concen: 235.088 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
59	100	200256		
57	10.2		8.4	12.6

Manual Integrations
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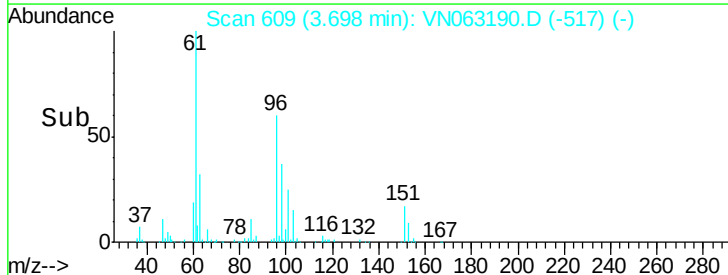
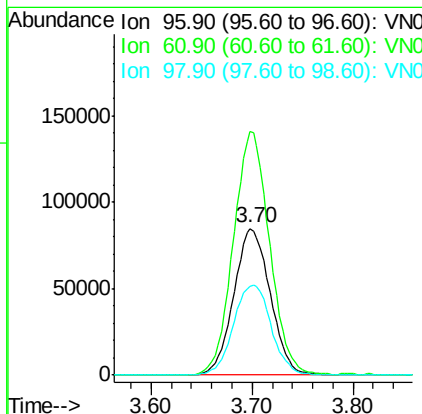
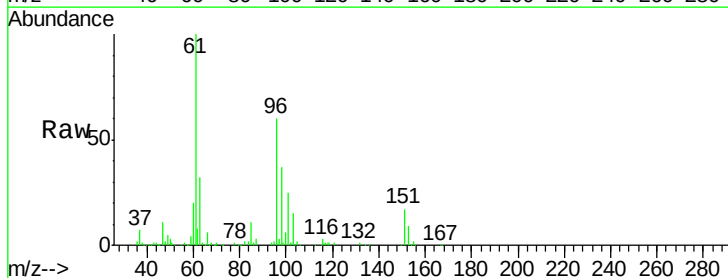
MMDadoda
 9/3/2020 9:28:57 AM

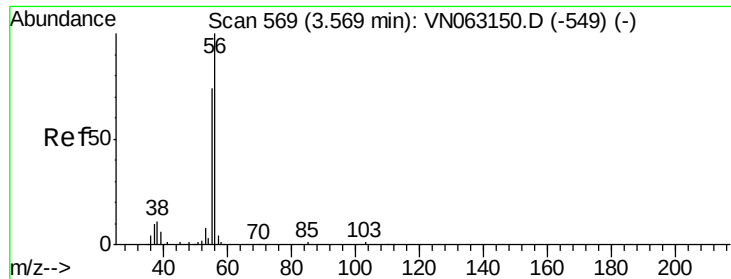


#12

1,1-Dichloroethene
 Concen: 45.821 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	213415		
61	165.8		137.4	206.2
98	60.7		50.5	75.7





#13

Acrolein

Concen: 395.999 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 56 Resp: 131613

Ion Ratio Lower Upper

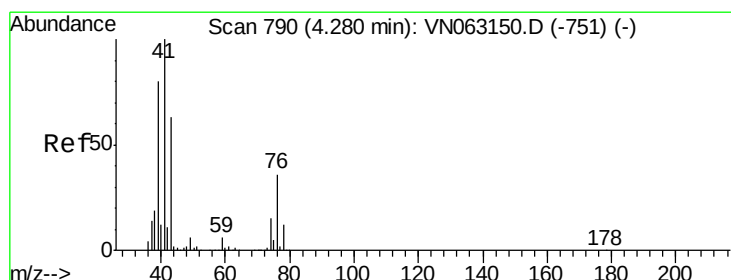
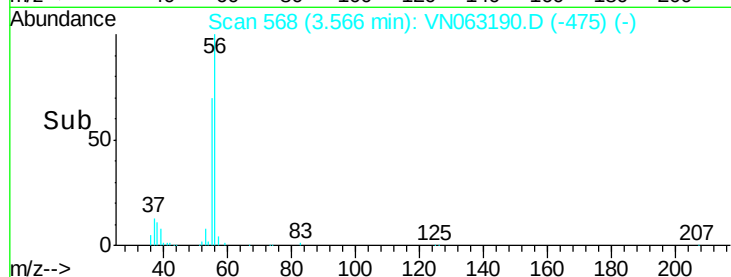
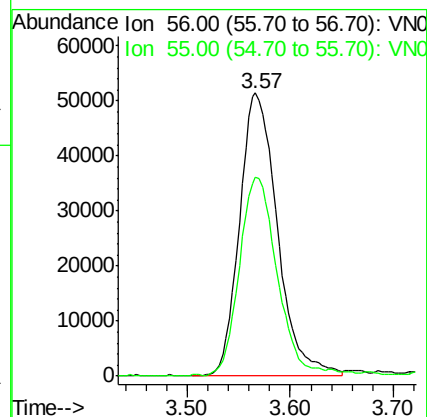
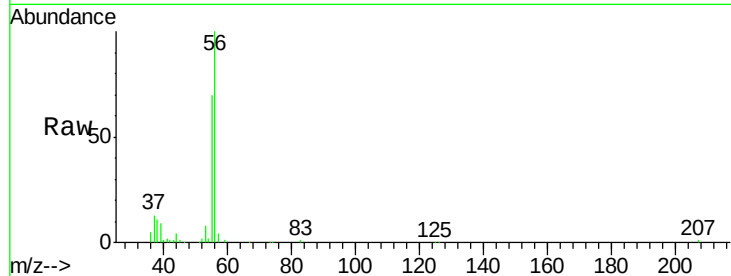
56 100

55 69.7 55.4 83.0

Manual Integrations
APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 45.994 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

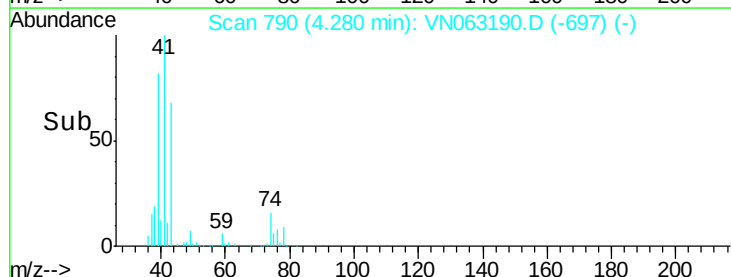
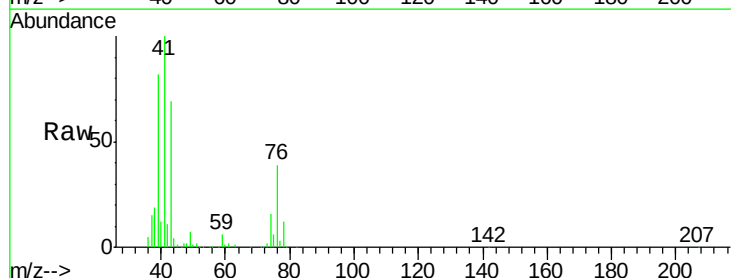
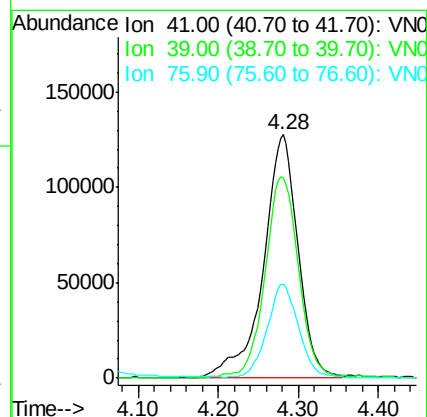
Tgt Ion: 41 Resp: 380456

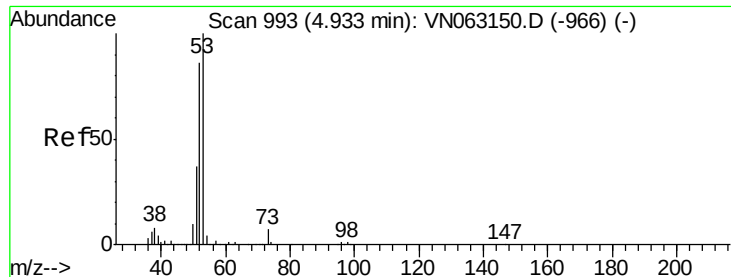
Ion Ratio Lower Upper

41 100

39 80.3 60.2 90.2

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 234.209 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

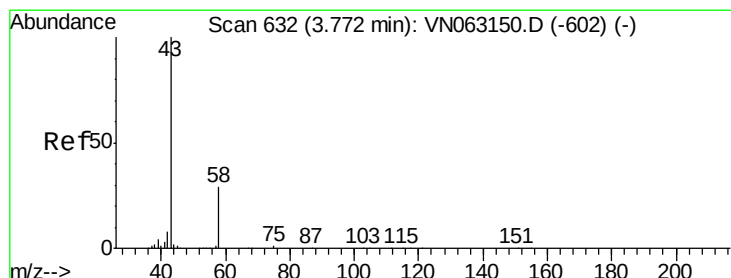
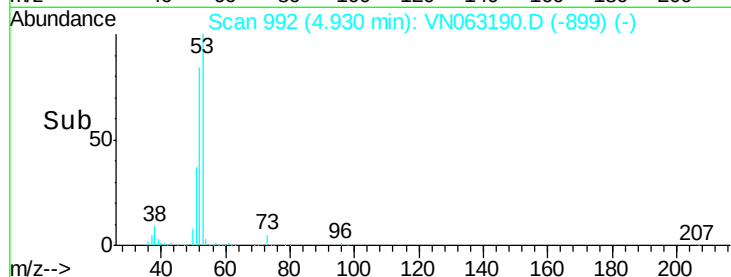
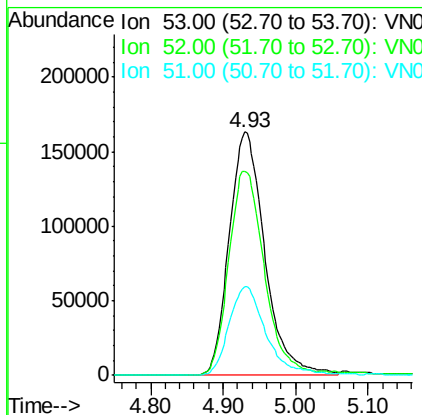
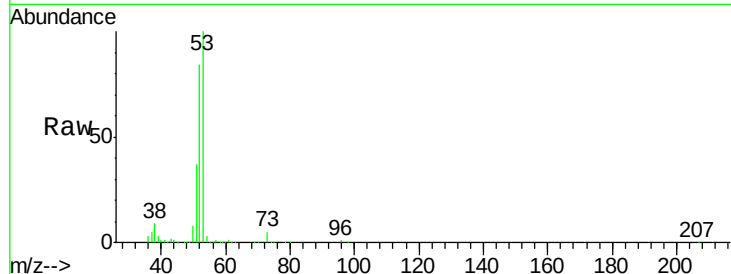
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	53	Resp:	558475
Ion Ratio		Lower	Upper
53	100		
52	83.4	67.2	100.8
51	37.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 244.737 ug/l

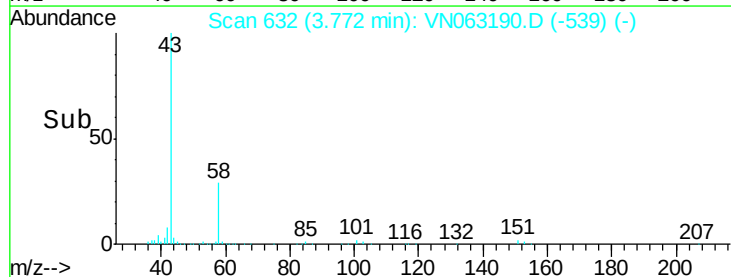
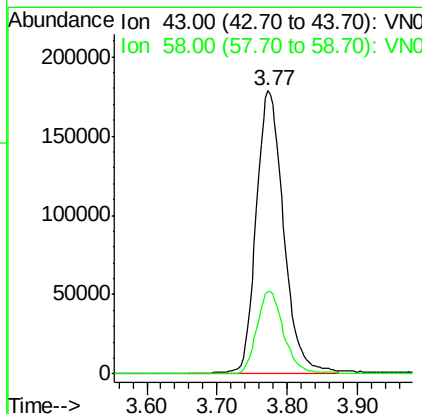
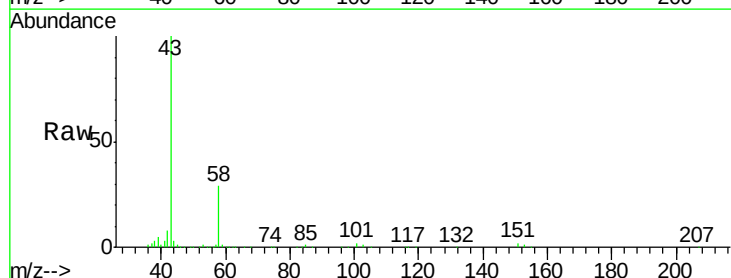
RT: 3.77 min Scan# 632

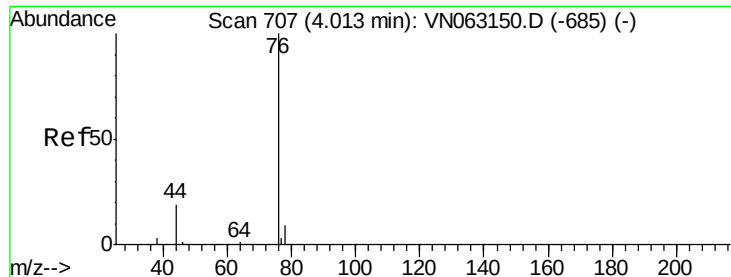
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	43	Resp:	482799
Ion Ratio		Lower	Upper
43	100		
58	28.8	23.1	34.7





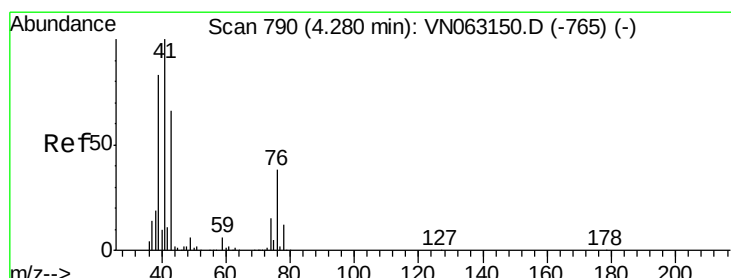
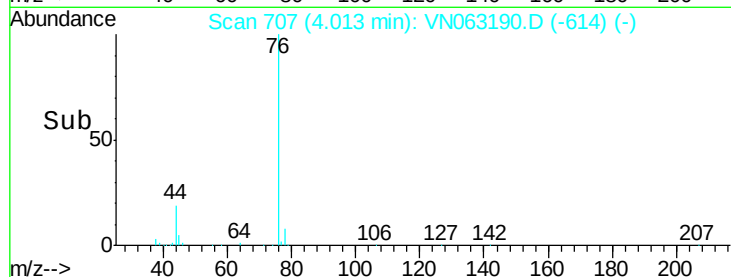
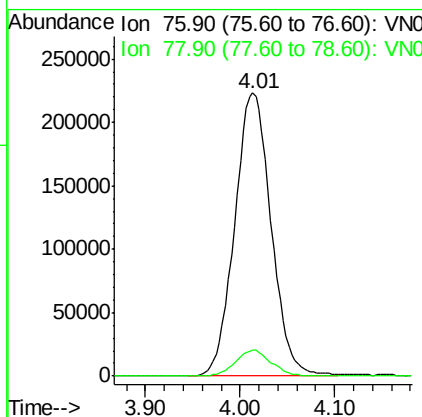
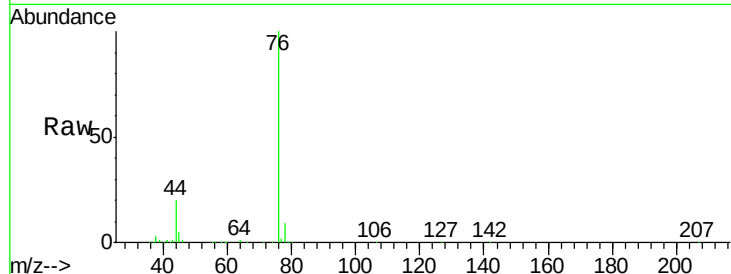
#17
Carbon Disulfide
Concen: 43.098 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

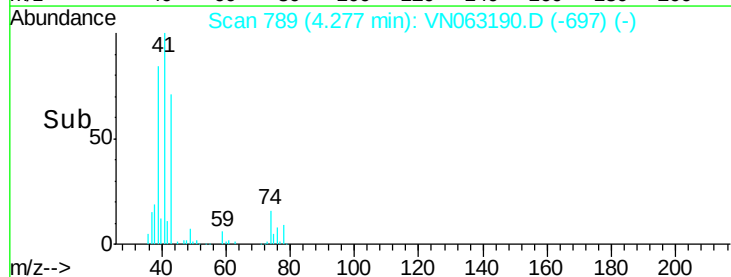
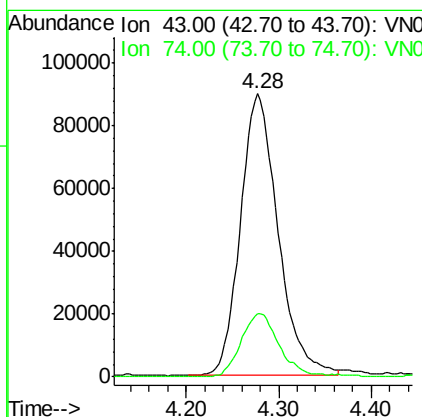
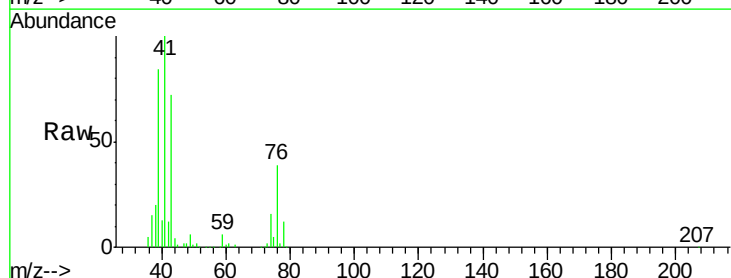
Manual Integrations
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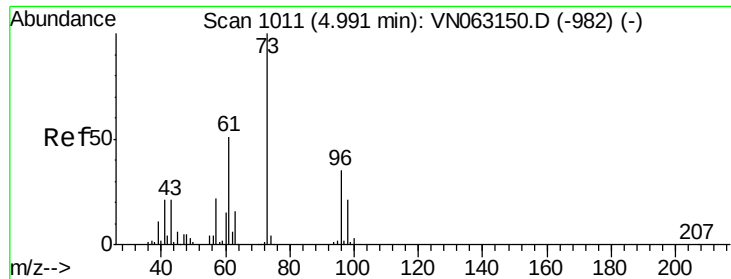
MMDadoda
9/3/2020 9:28:57 AM



#18
Methyl Acetate
Concen: 50.002 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.0	28.6





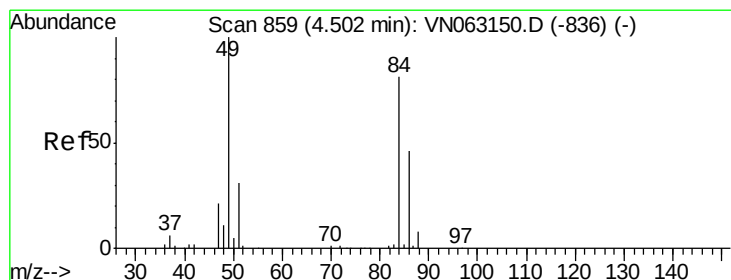
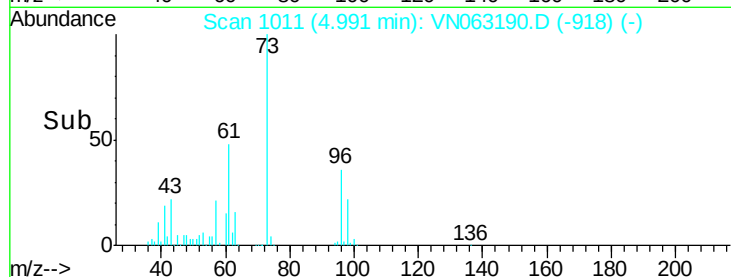
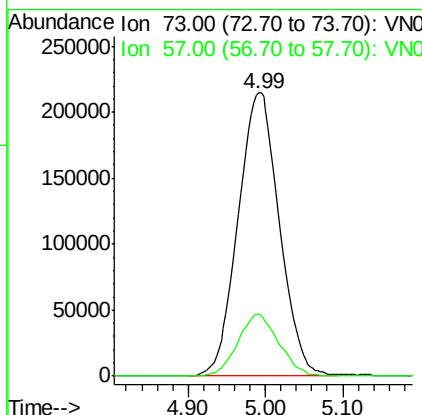
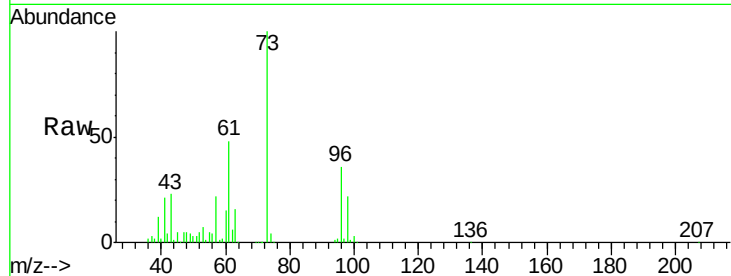
#19
Methvl tert-butvl Ether
Concen: 46.171 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion: 73 Resp: 797751
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

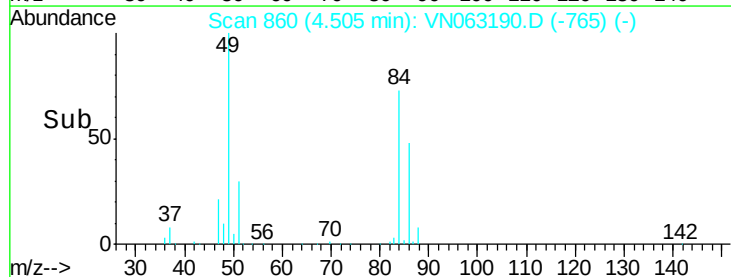
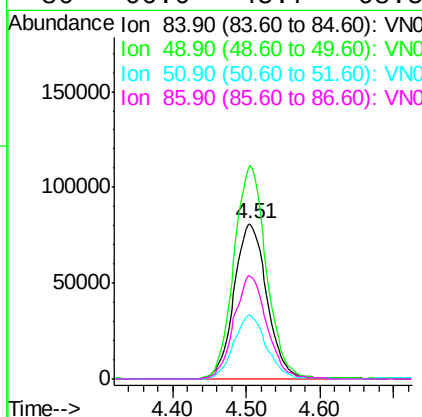
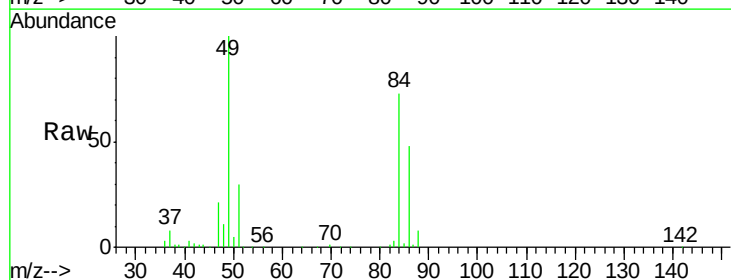
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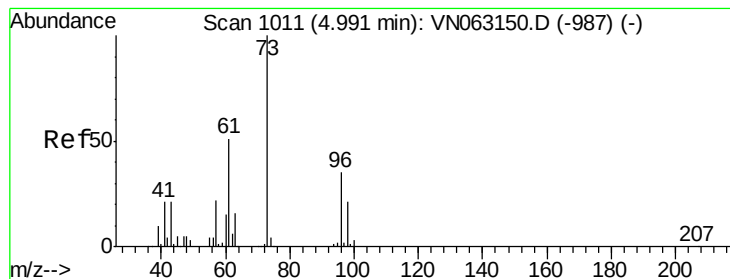
MMDadoda
9/3/2020 9:28:57 AM



#20
Methylene Chloride
Concen: 45.564 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 84 Resp: 252986
Ion Ratio Lower Upper
84 100
49 137.5 98.4 147.6
51 40.6 30.4 45.6
86 66.0 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 48.297 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

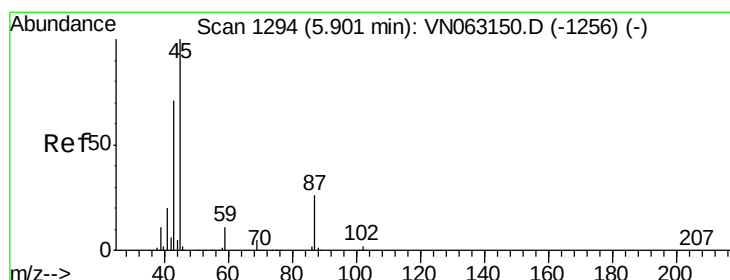
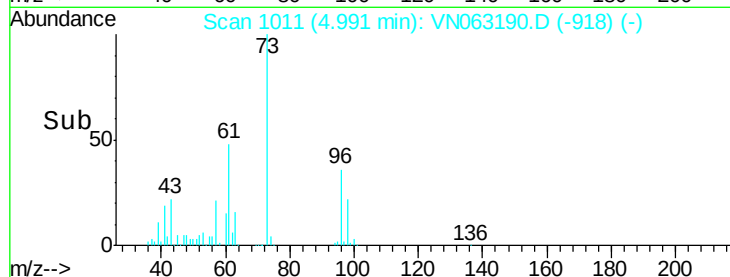
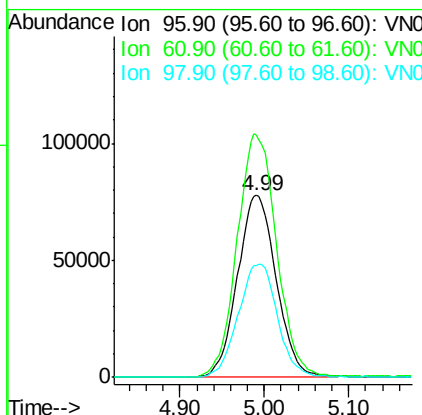
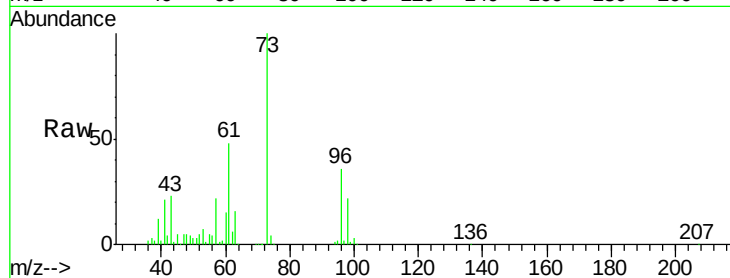
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	96	Resp:	248526
Ion	Ratio	Lower	Upper
96	100		
61	133.1	116.2	174.4
98	61.8	48.0	72.0

Manual Integrations
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9/3/2020 9:28:57 AM



#22

Diisopropyl ether

Concen: 46.436 ug/l

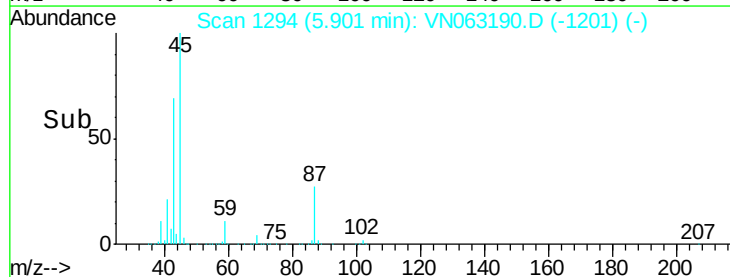
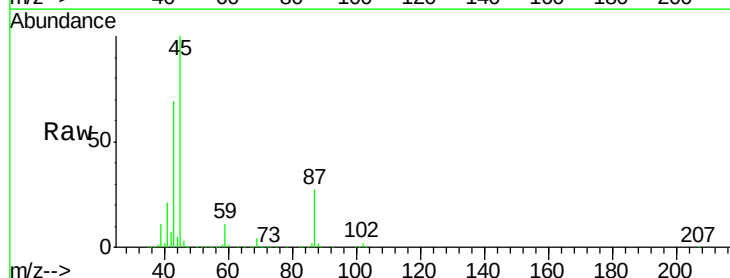
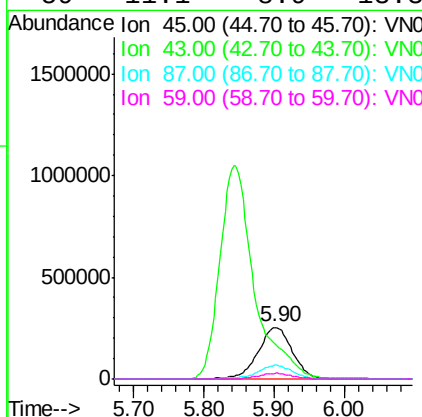
RT: 5.90 min Scan# 1294

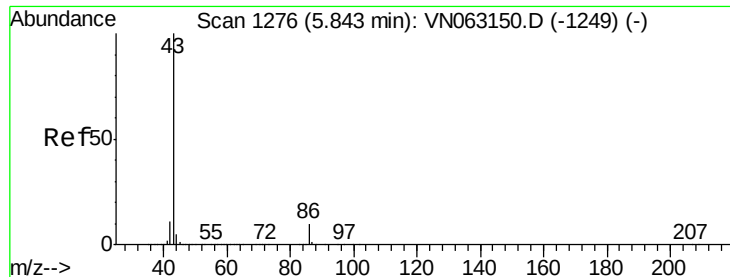
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	45	Resp:	860765
Ion	Ratio	Lower	Upper
45	100		
43	68.7	56.8	85.2
87	26.8	21.1	31.7
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 242.709 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 3589837

Ion Ratio Lower Upper

43 100

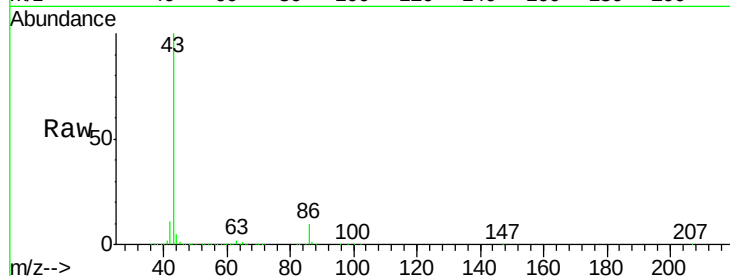
86 10.4 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

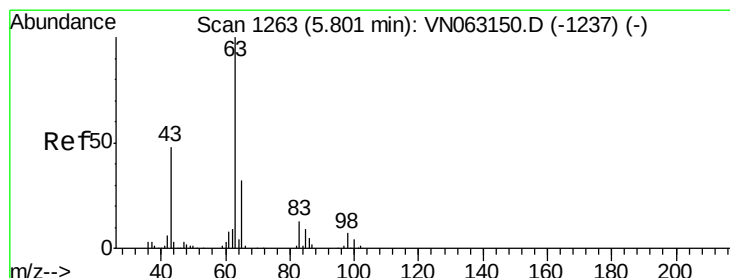
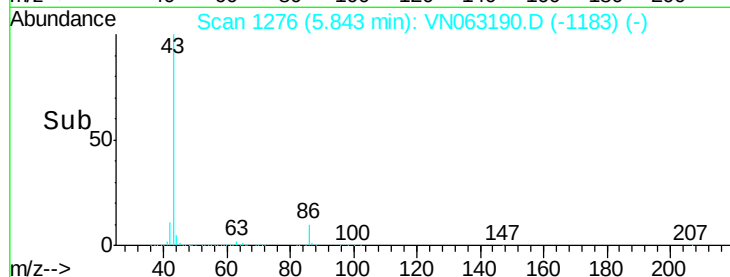
400000

200000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.091 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

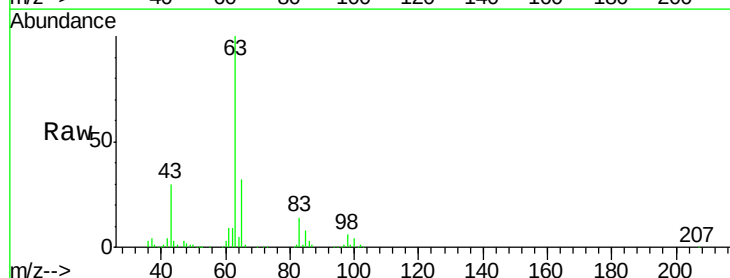
Tgt Ion: 63 Resp: 471003

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.3 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

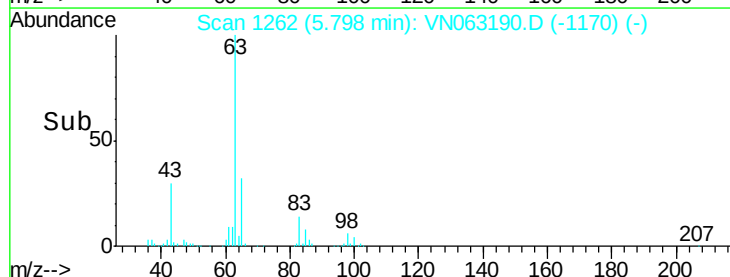
100000

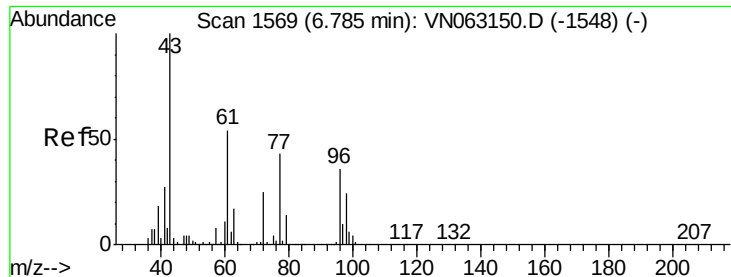
50000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 255.543 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 780574

Ion Ratio Lower Upper

43 100

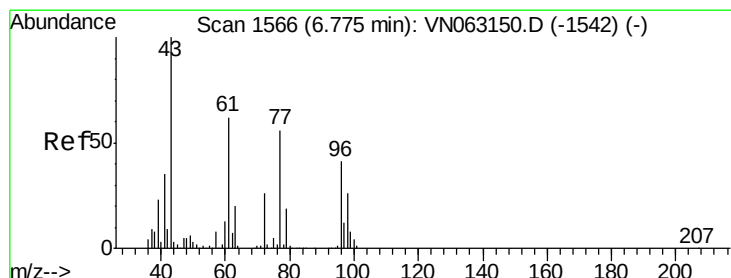
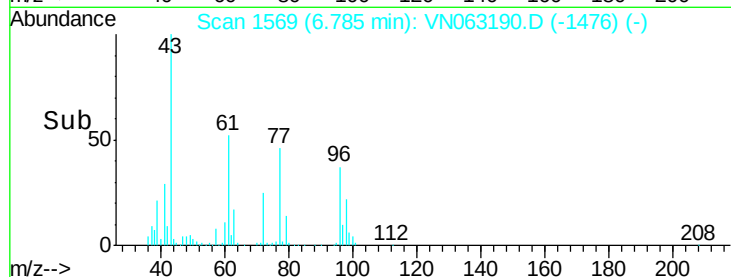
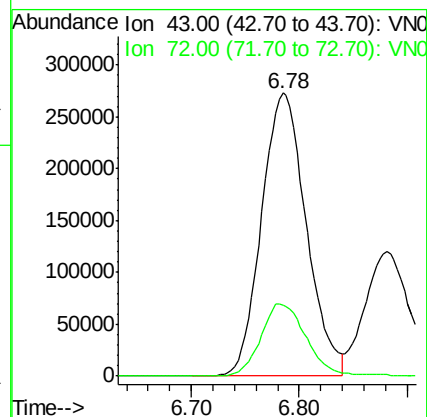
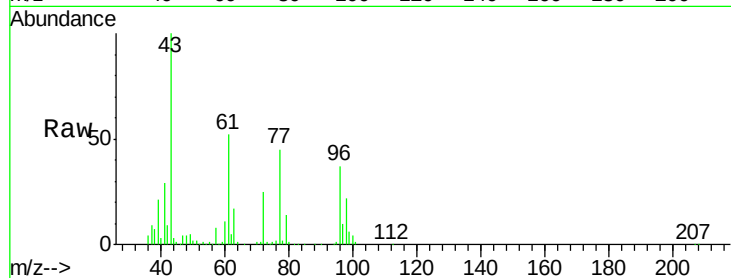
72 25.1 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/3/2020 9:28:57 AM



#26

2,2-Dichloropropane

Concen: 45.671 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063190.D

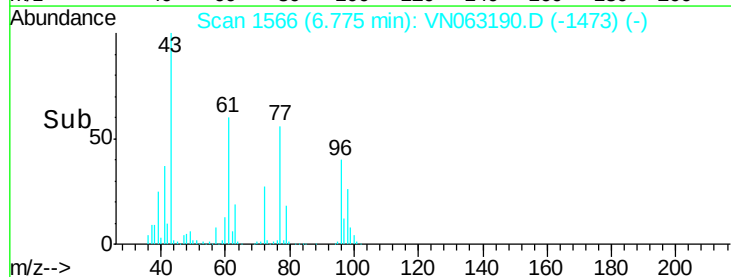
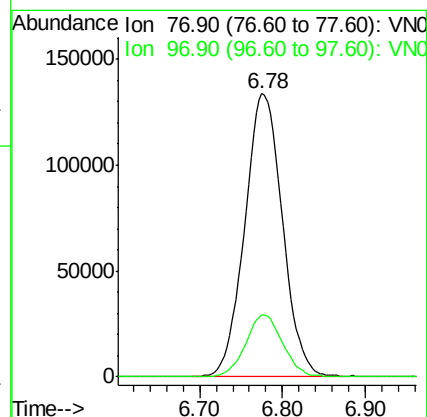
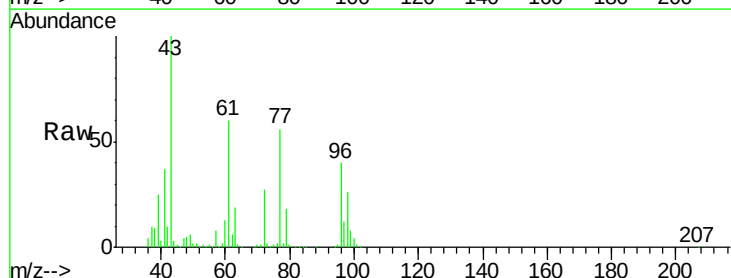
Acq: 2 Sep 2020 13:05

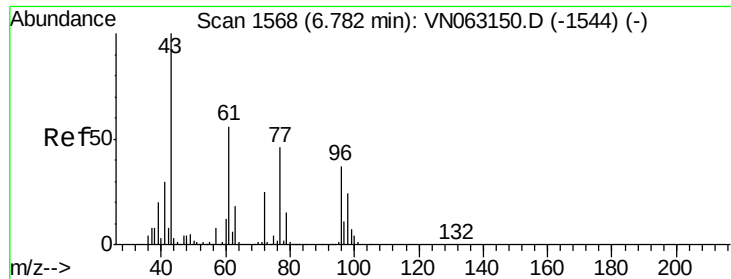
Tgt Ion: 77 Resp: 422851

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 46.414 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

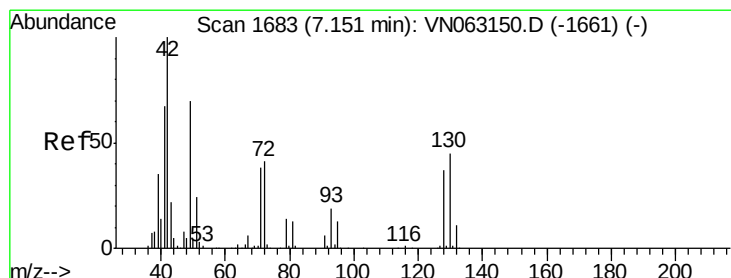
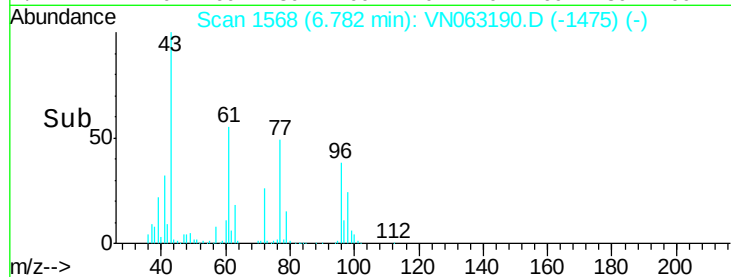
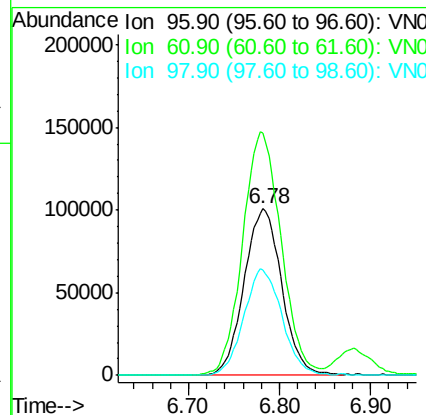
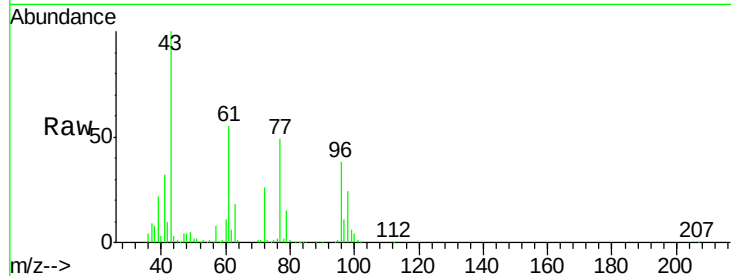
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	96	Resp:	290300
Ion Ratio	Lower	Upper	
96	100		
61	149.1	0.0	303.2
98	64.4	0.0	129.0

Manual Integrations
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#28

Bromochloromethane

Concen: 46.695 ug/l

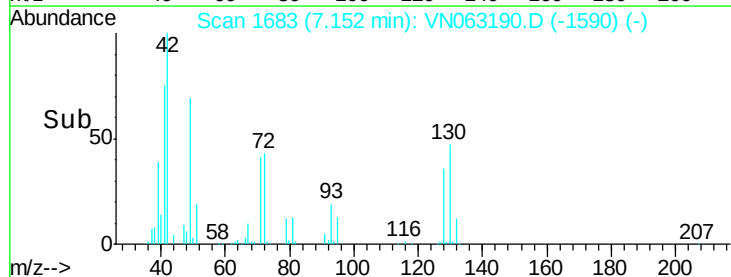
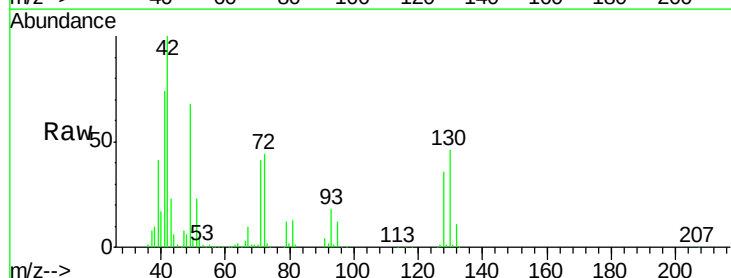
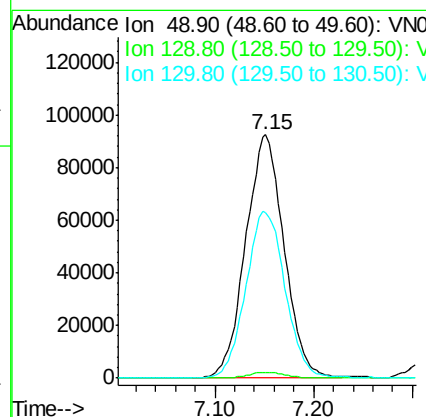
RT: 7.15 min Scan# 1683

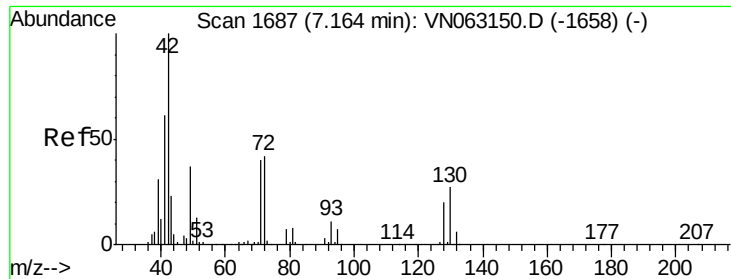
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	49	Resp:	249296
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	69.7	54.4	81.6





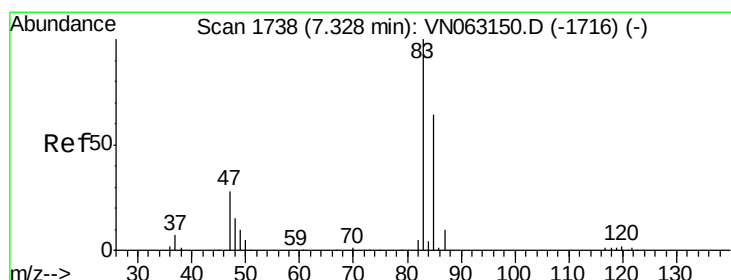
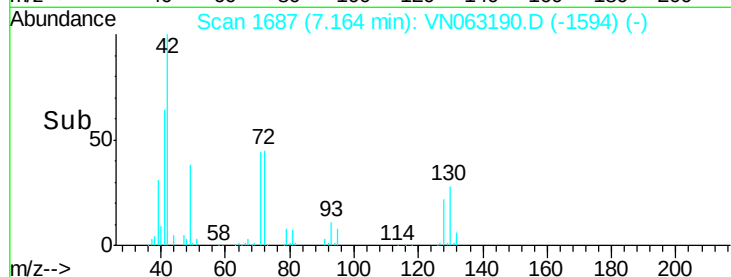
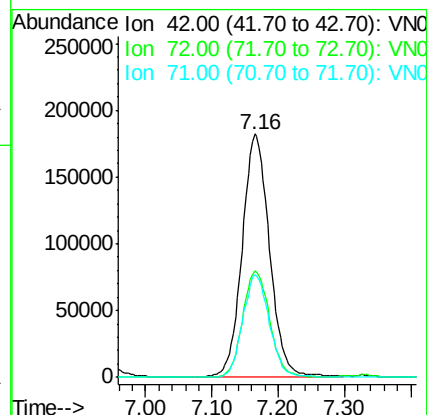
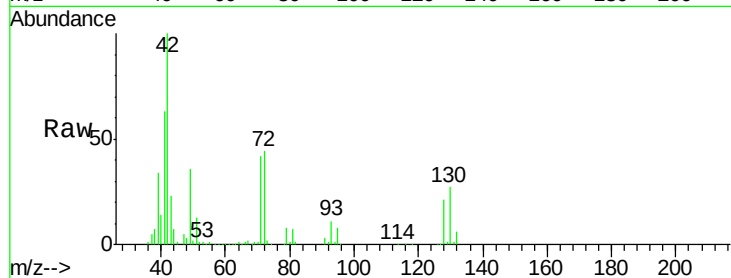
#29
Tetrahydrofuran
Concen: 246.620 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.9	50.9
71	41.4	31.9	47.9

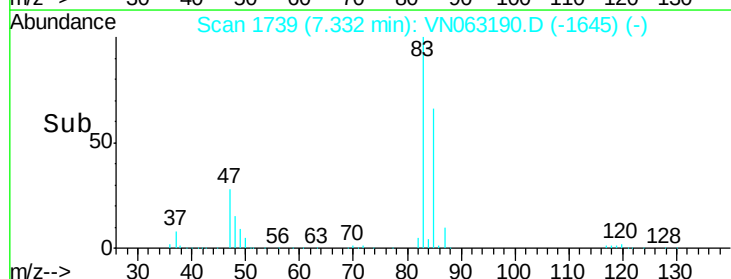
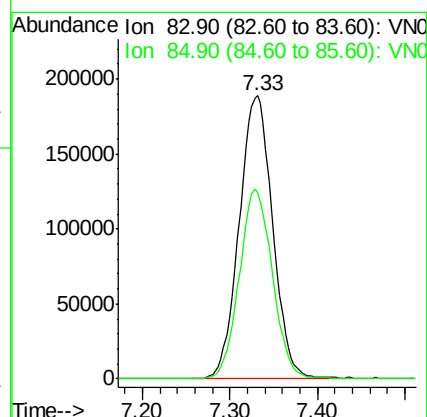
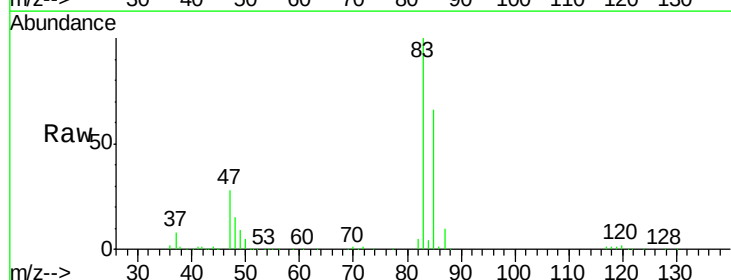
Manual Integrations
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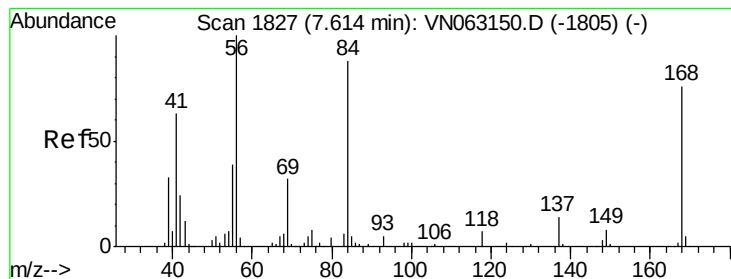
MMDadoda
9/3/2020 9:28:57 AM



#30
Chloroform
Concen: 46.892 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.6





#31

Cyclohexane

Concen: 44.046 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 56 Resp: 398529

Ion Ratio Lower Upper

56 100

69 34.6 25.4 38.0

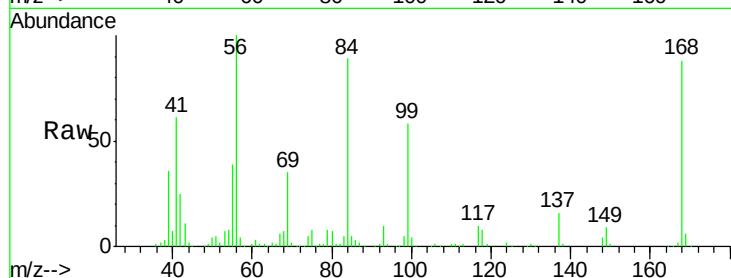
84 87.5 70.2 105.4

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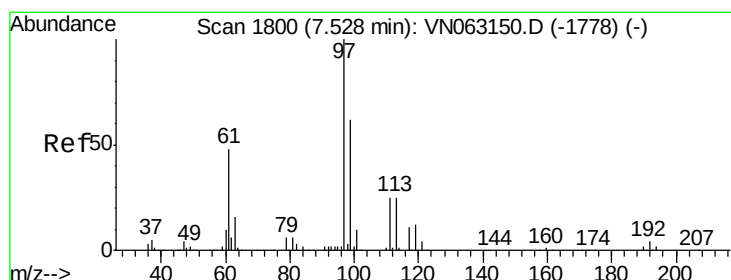
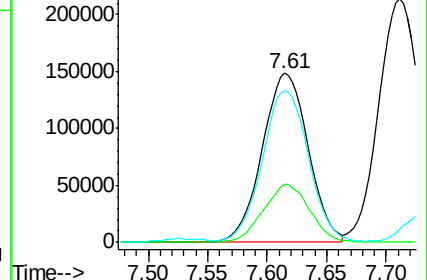
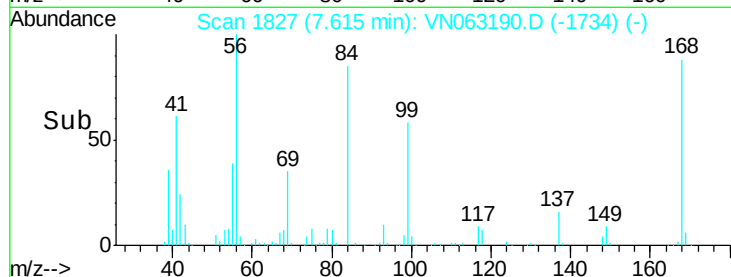
9/3/2020 9:28:57 AM



Abundance Ion 56.00 (55.70 to 56.70): VN063190.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063190.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063190.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 48.625 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

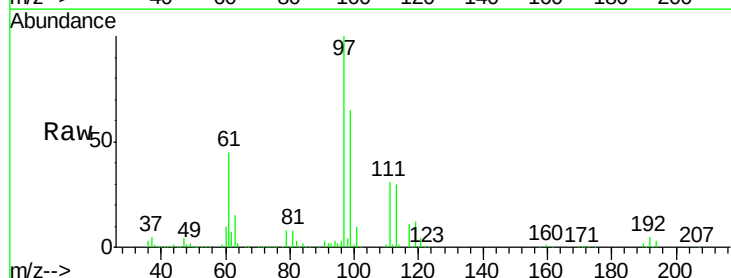
Tgt Ion: 97 Resp: 447975

Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

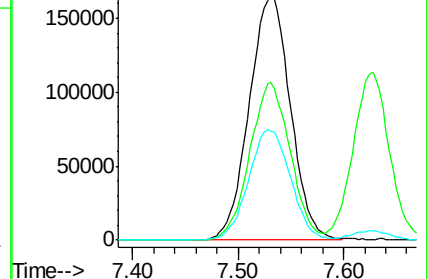
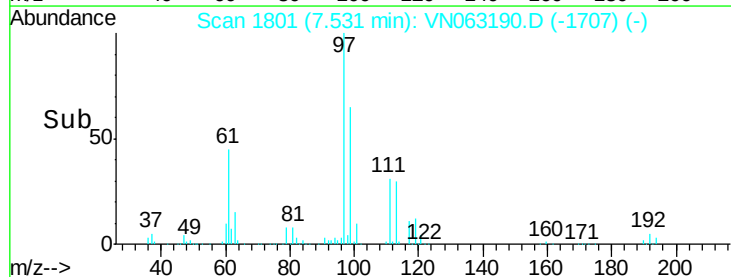
61 46.3 37.4 56.2

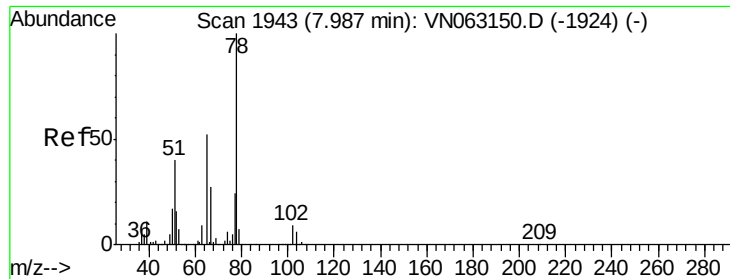


Abundance Ion 96.90 (96.60 to 97.60): VN063190.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN063190.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN063190.D (-1707) (-)





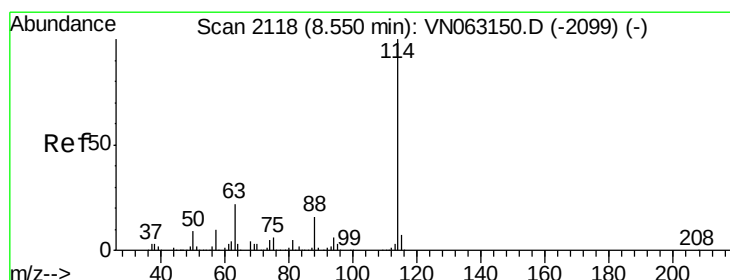
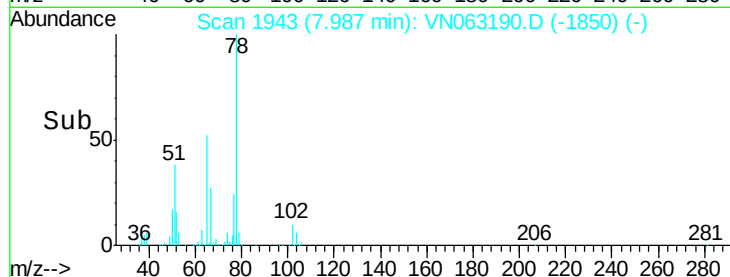
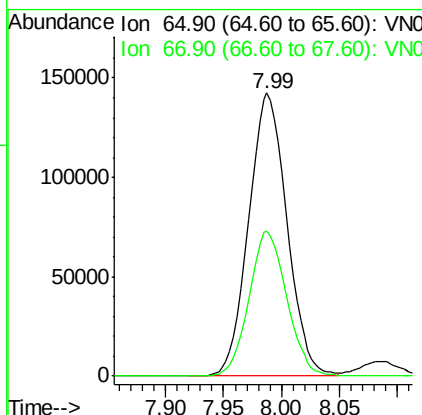
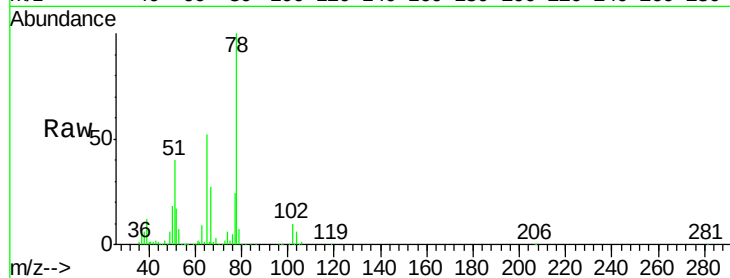
#33
 1,2-Dichloroethane-d4
 Concen: 47.235 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.4

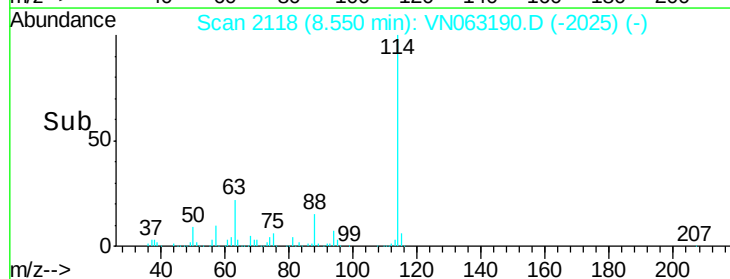
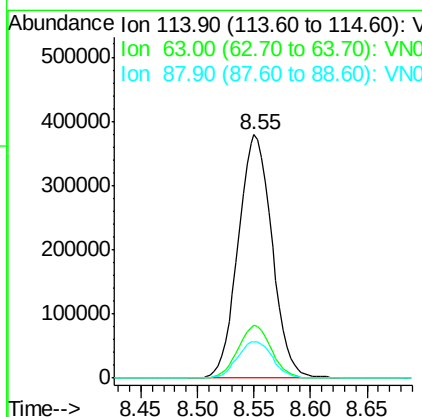
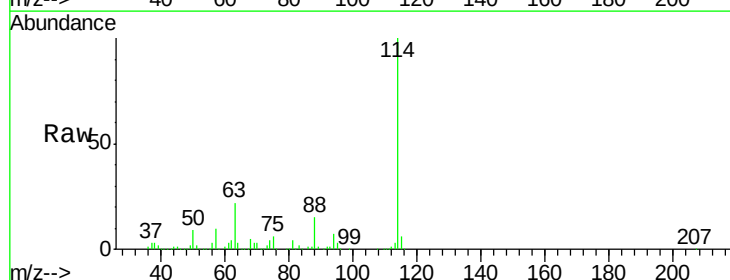
Manual Integrations
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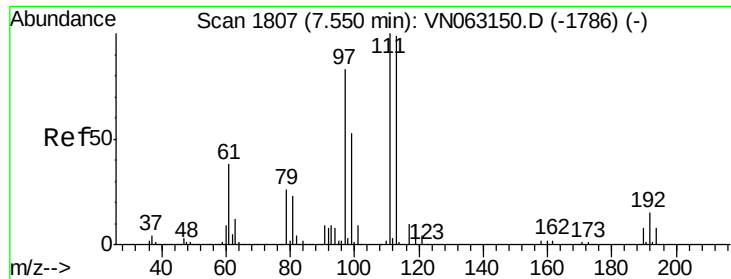
MMDadoda
 9/3/2020 9:28:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	15.0	0.0	31.6





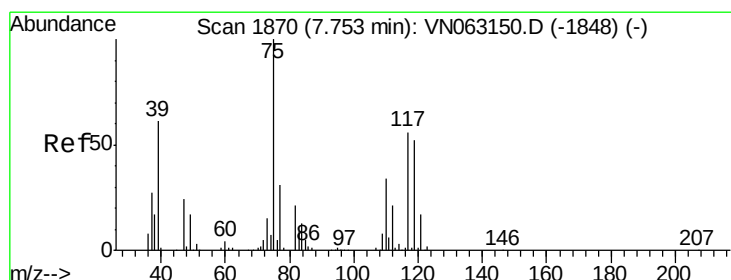
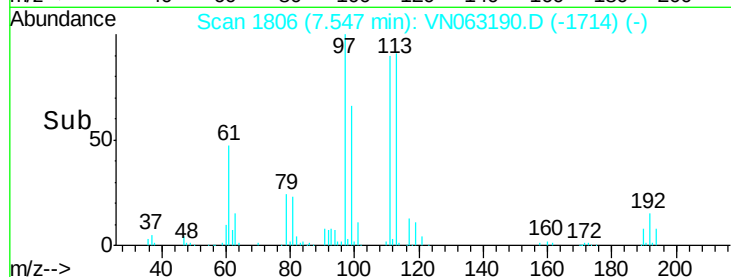
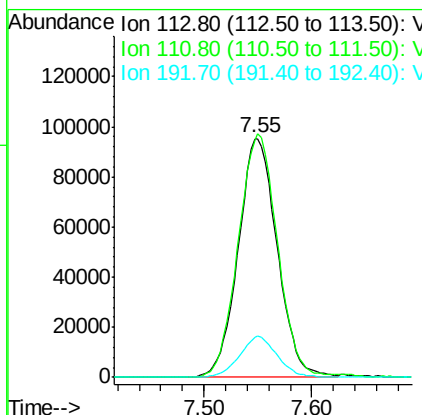
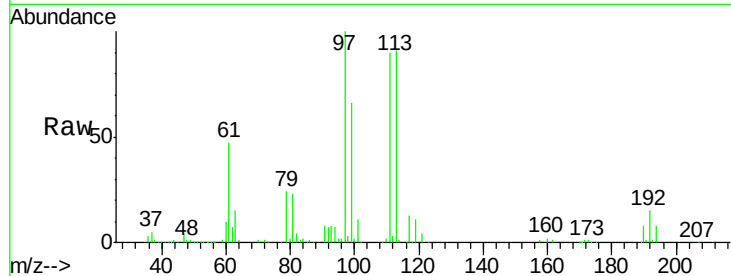
#35
 Dibromofluoromethane
 Concen: 47.330 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239836		
111	103.2	80.7	121.1	
192	16.6	12.6	19.0	

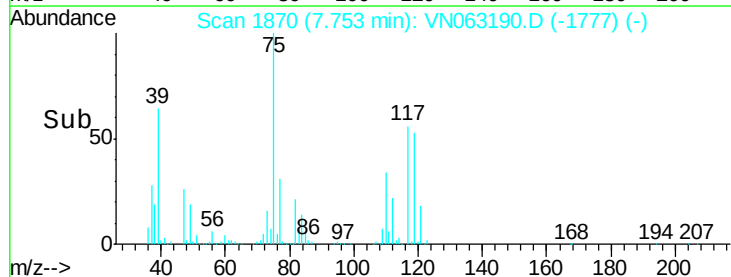
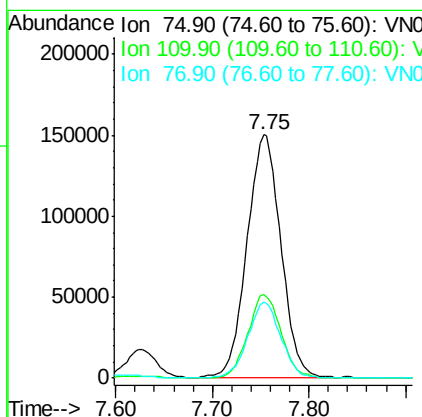
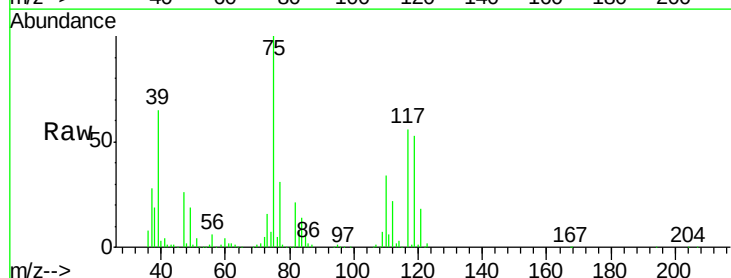
Manual Integrations
 APPROVED

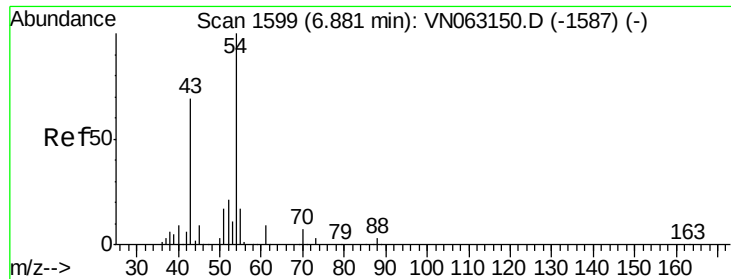
MMDadoda
 9/3/2020 9:28:57 AM



#36
 1,1-Dichloropropene
 Concen: 47.940 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	364020		
110	33.8	16.6	49.8	
77	30.8	25.4	38.2	





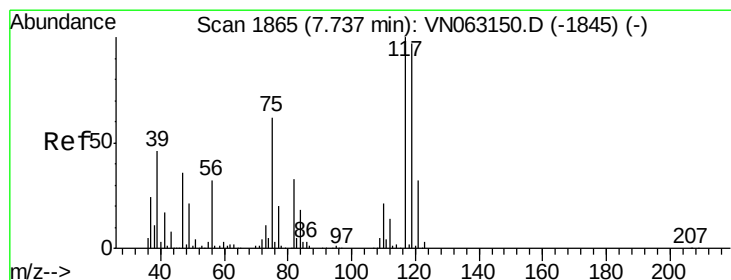
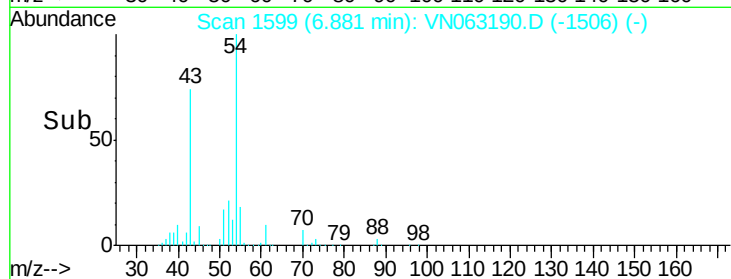
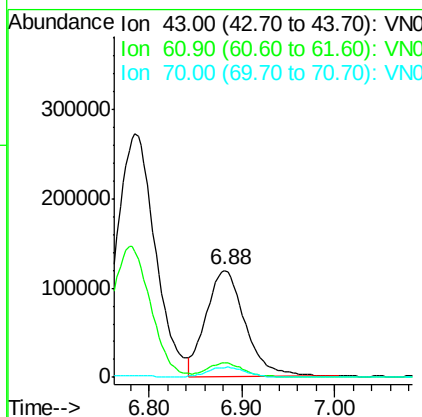
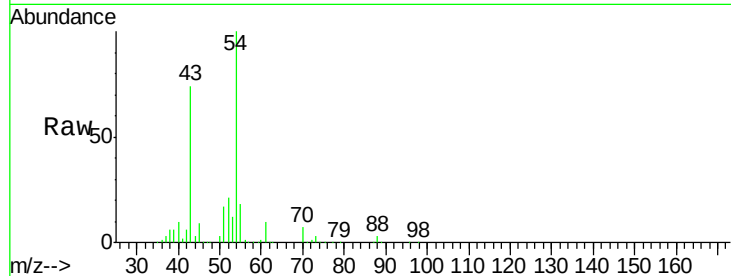
#37
Ethyl Acetate
Concen: 48.246 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.2	15.4
70	9.1	3.0	4.6#

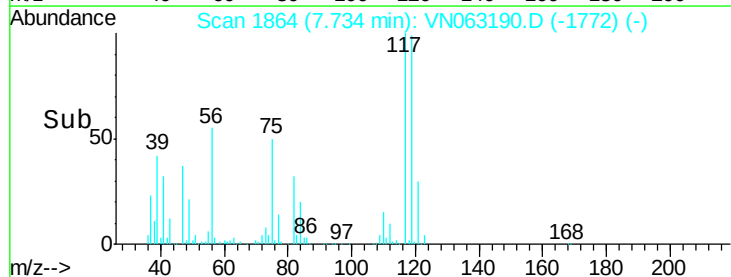
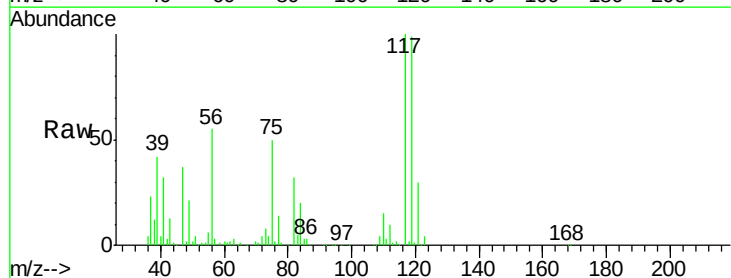
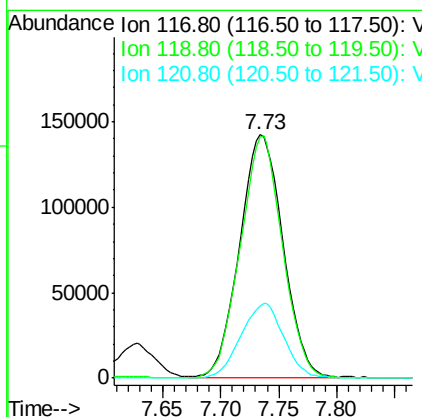
Manual Integrations
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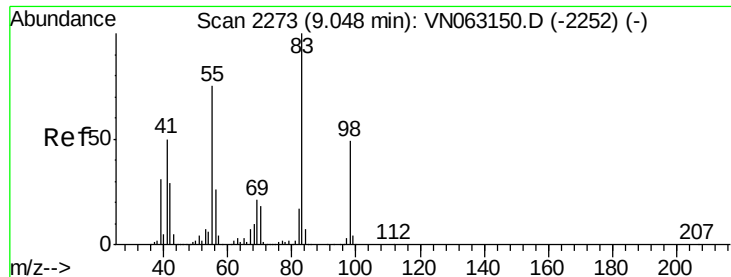
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#38
Carbon Tetrachloride
Concen: 47.744 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.2	115.8
121	29.9	25.6	38.4





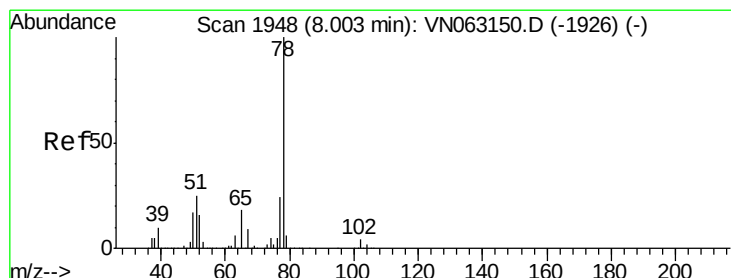
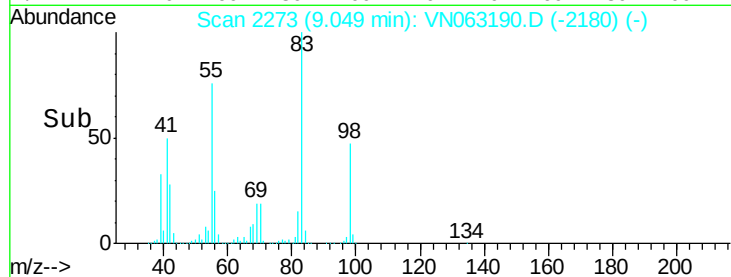
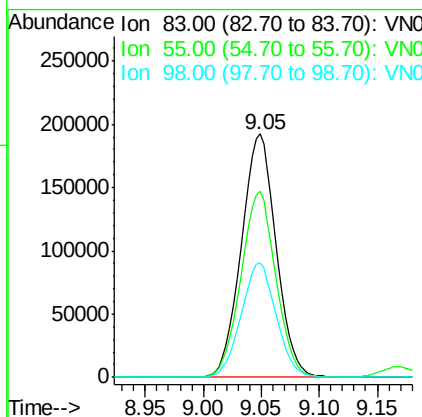
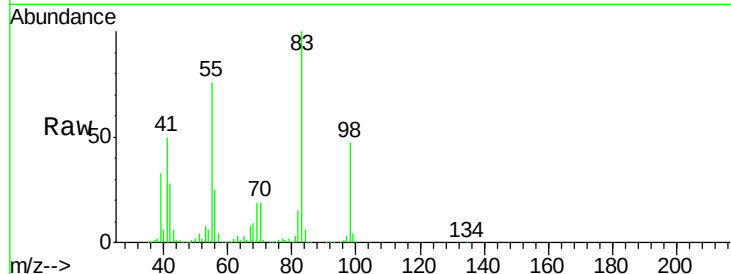
#39
Methylvlcyclohexane
Concen: 47.054 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	83	Resp	401387
Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.3	90.5
98	47.0	38.9	58.3

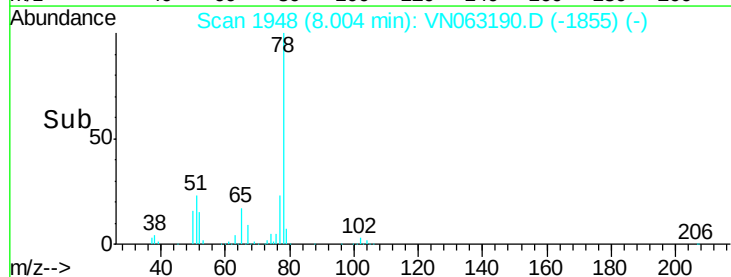
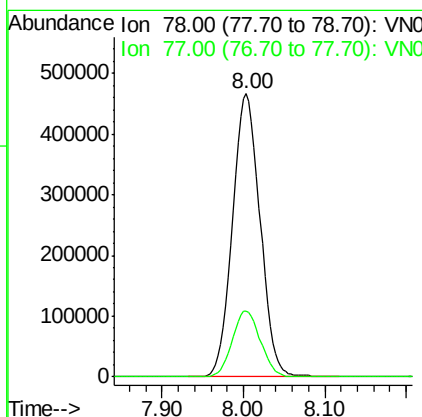
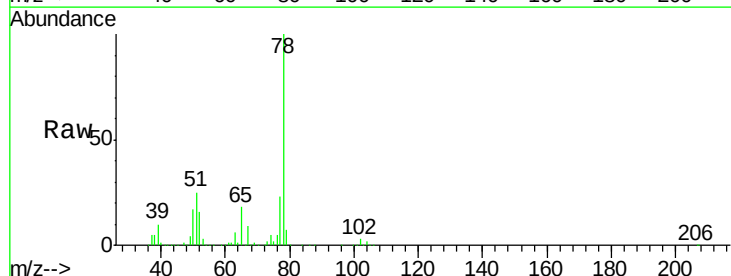
Manual Integrations
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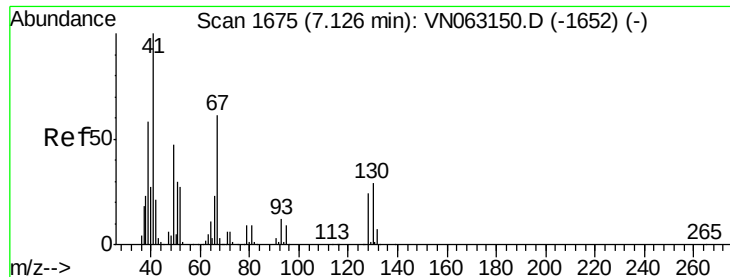
MMDadoda
9/3/2020 9:28:57 AM



#40
Benzene
Concen: 49.330 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	78	Resp	1100740
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





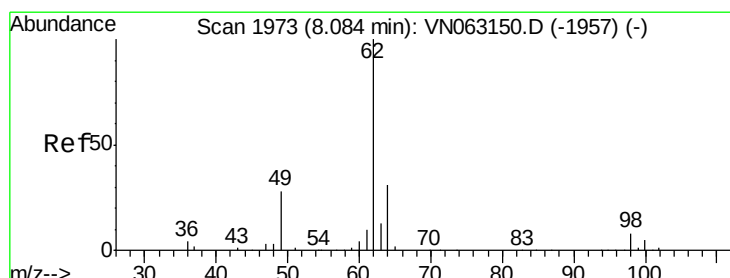
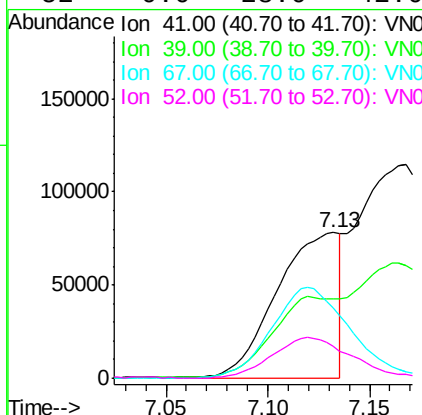
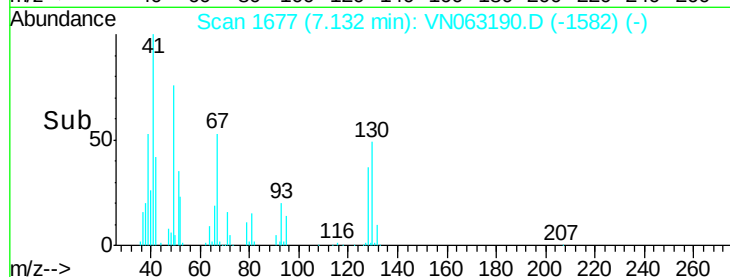
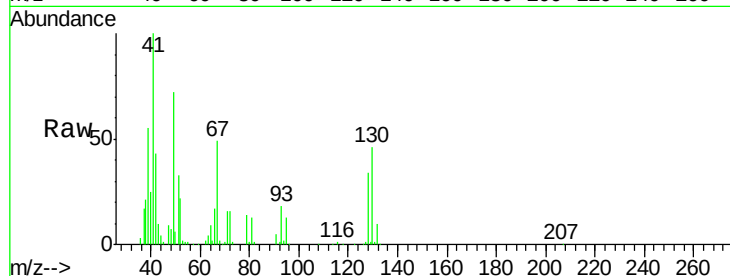
#41
Methacrylonitrile
Concen: 52.815 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

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

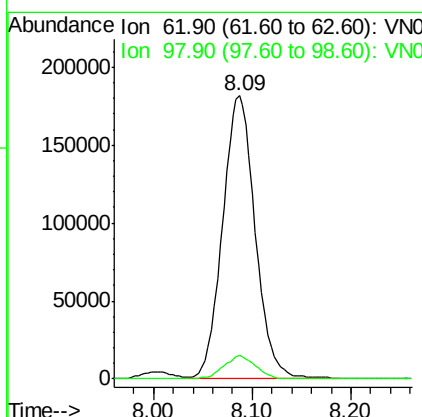
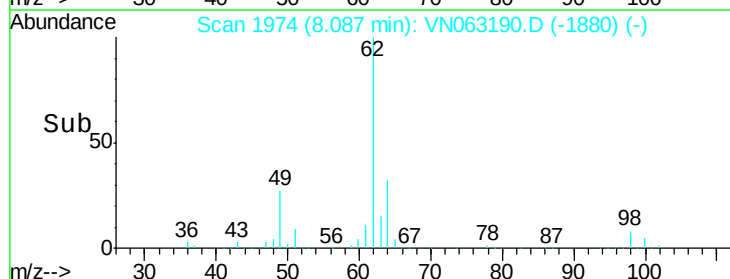
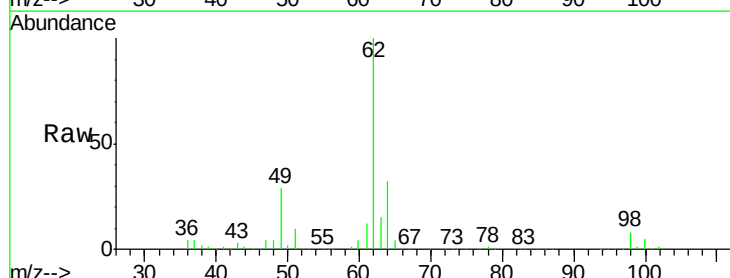
Manual Integrations
APPROVED

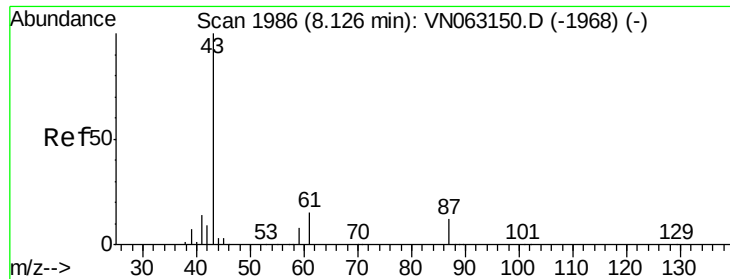
MMDadoda
9/3/2020 9:28:57 AM



#42
1,2-Dichloroethane
Concen: 50.061 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

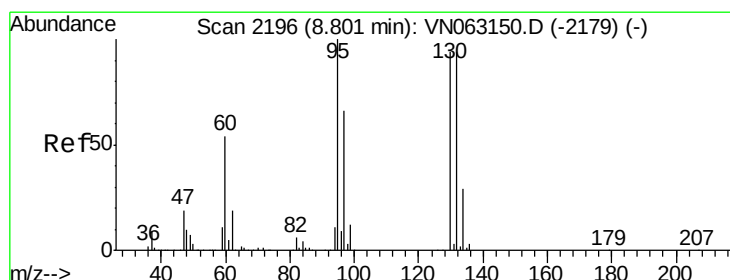
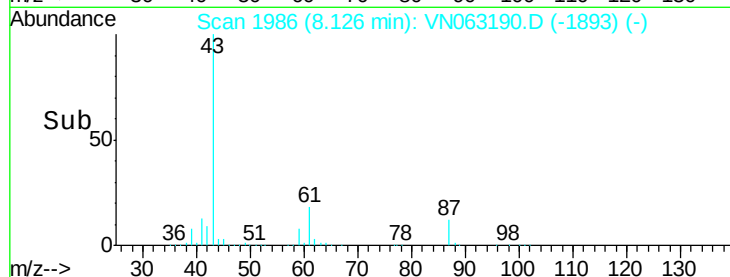
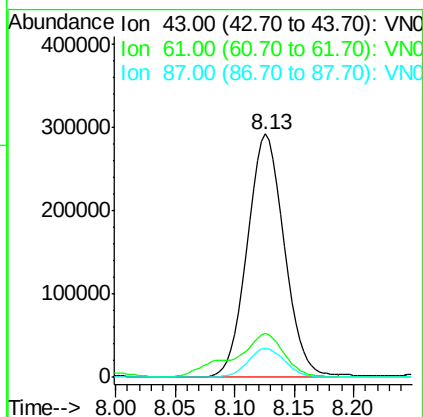
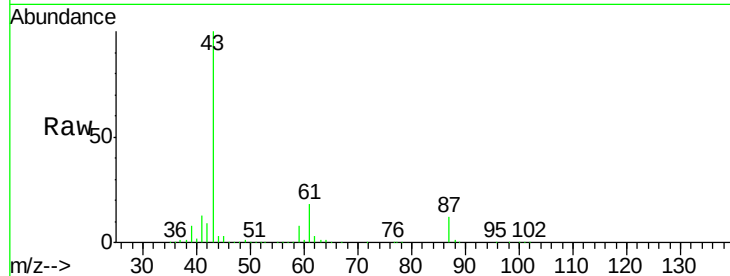
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	43	Resp:	626403
Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.2	30.4
87	12.1	9.8	14.6

Manual Integrations
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9/3/2020 9:28:57 AM



#44

Trichloroethene

Concen: 52.097 ug/l

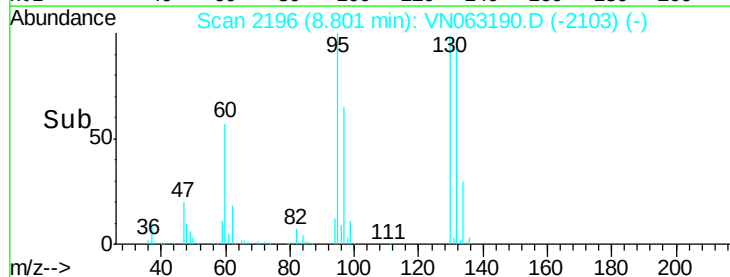
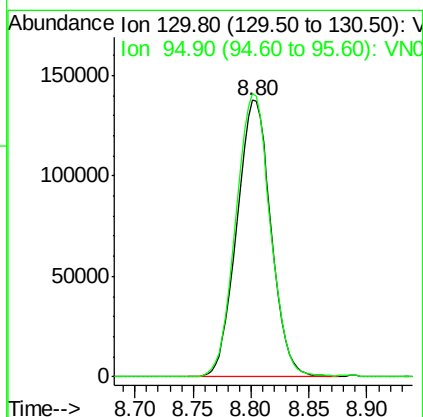
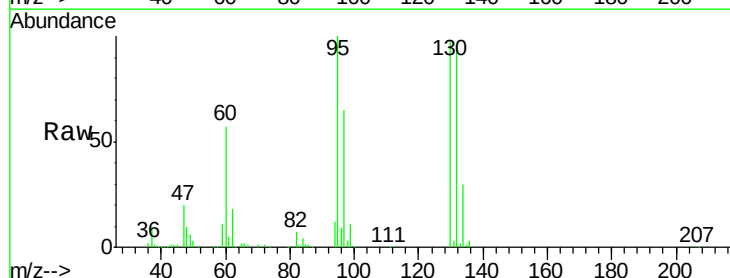
RT: 8.80 min Scan# 2196

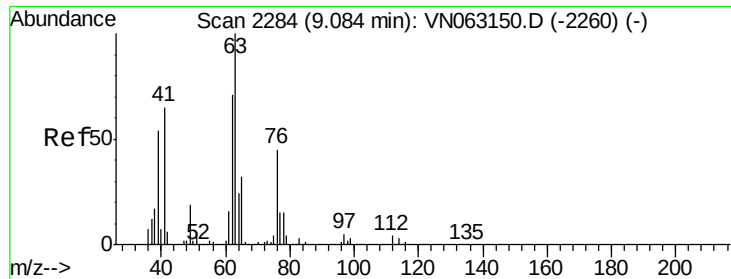
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	130	Resp:	281966
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	212.0





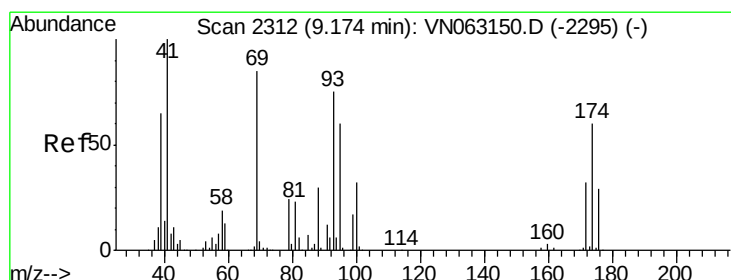
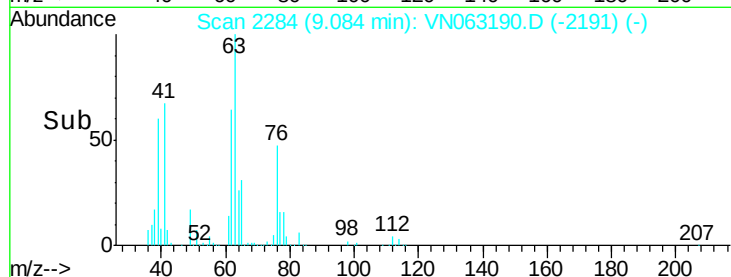
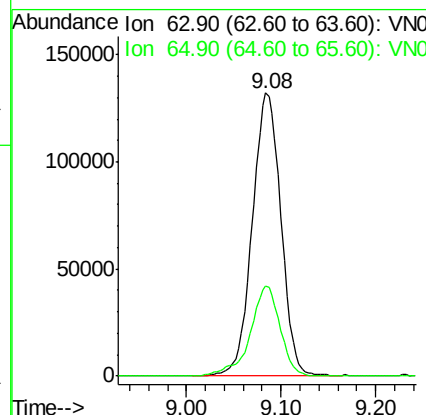
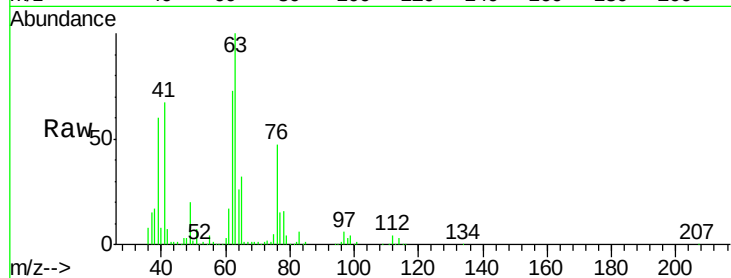
#45
 1,2-Dichloropropane
 Concen: 47.023 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion: 63 Resp: 277809
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0

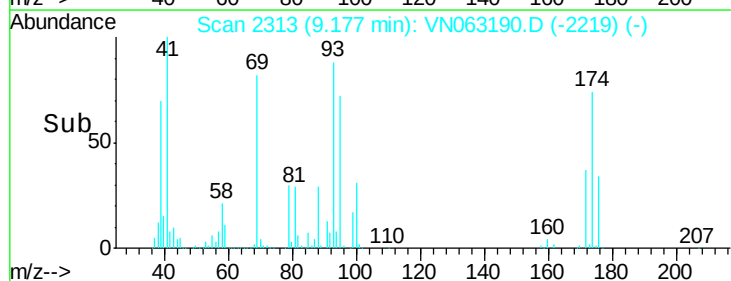
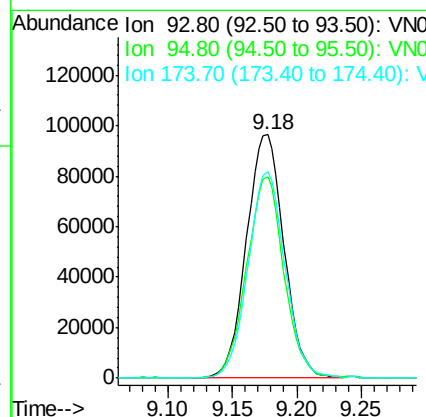
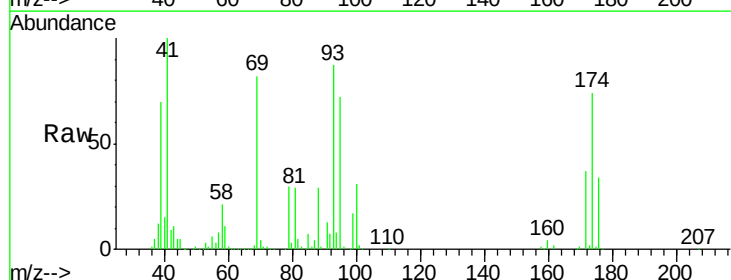
Manual Integrations
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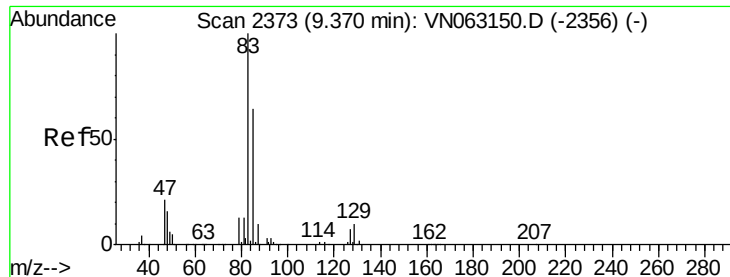
MMDadoda
 9/3/2020 9:28:57 AM



#46
 Dibromomethane
 Concen: 50.065 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 93 Resp: 196012
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.2 97.8
 174 83.4 64.6 97.0





#47

Bromodichloromethane

Concen: 49.444 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

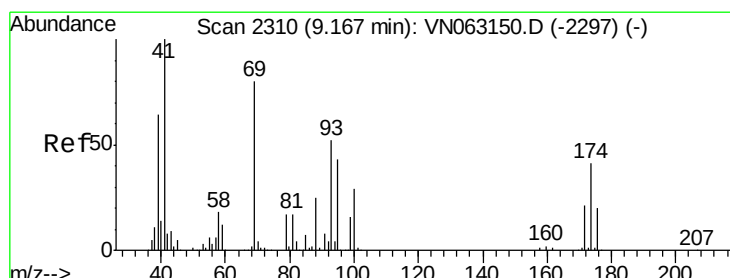
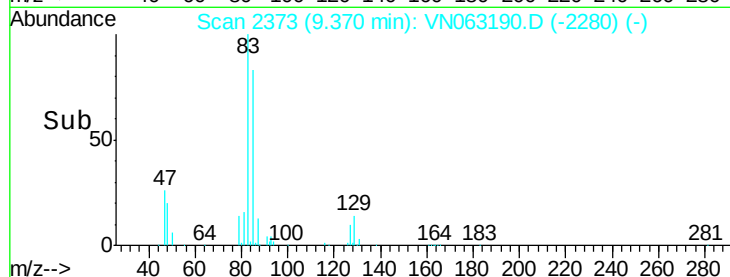
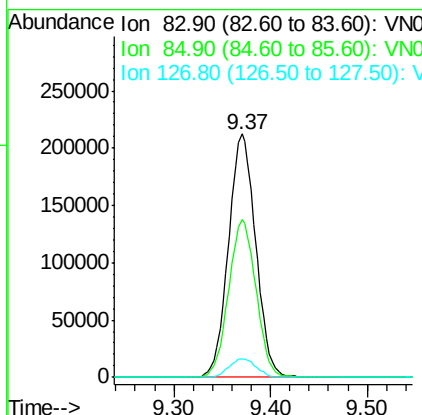
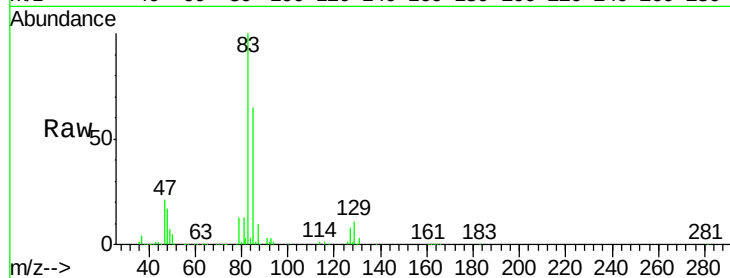
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	83	Resp:	414933
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	7.8	5.7	8.5

Manual Integrations
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MMDadoda
9/3/2020 9:28:57 AM



#48

Methyl methacrylate

Concen: 51.913 ug/l

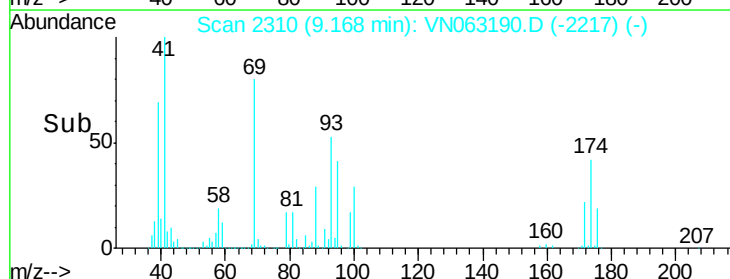
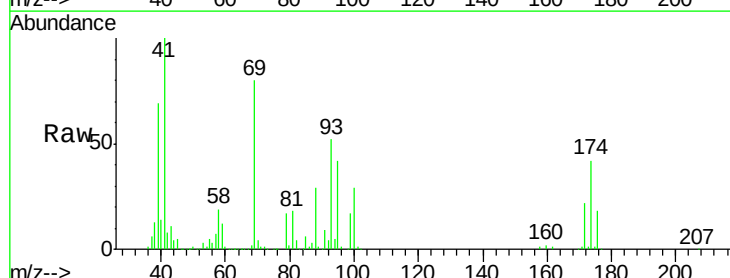
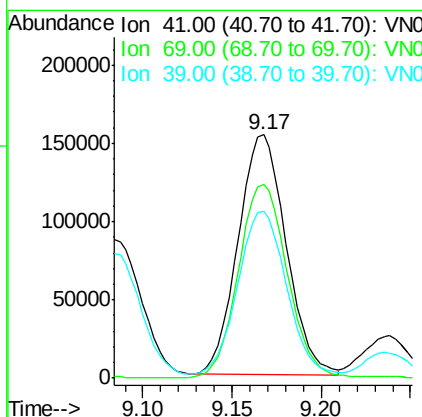
RT: 9.17 min Scan# 2310

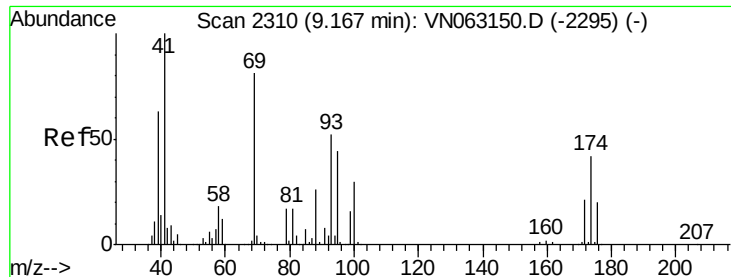
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	41	Resp:	289803
Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.9	98.9
39	71.3	52.0	78.0





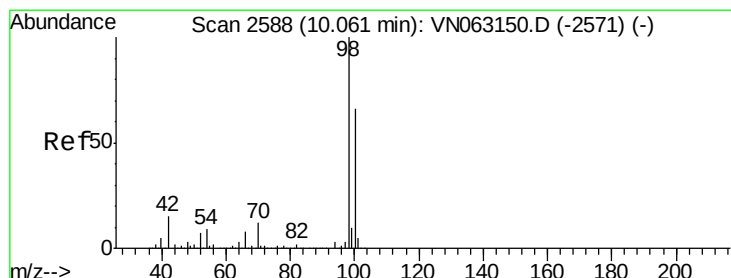
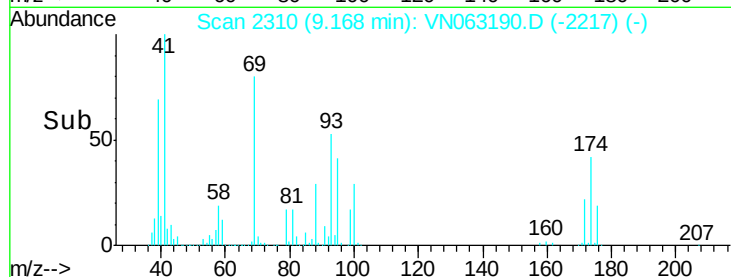
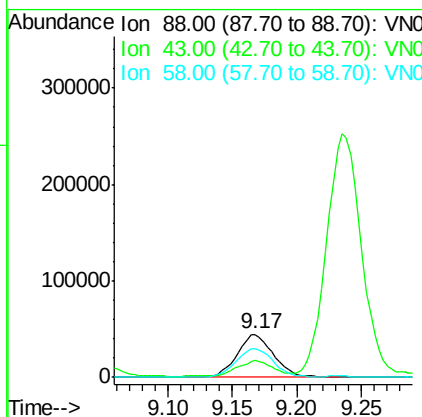
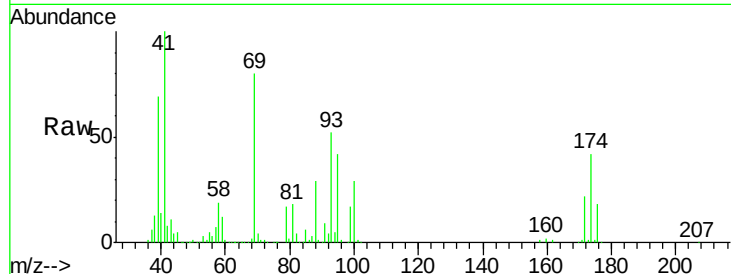
#49
1,4-Dioxane
Concen: 1020.712 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	88	Resp	88133
Ion Ratio	100	Lower	Upper
88	100		
43	34.7	28.6	42.8
58	68.6	53.2	79.8

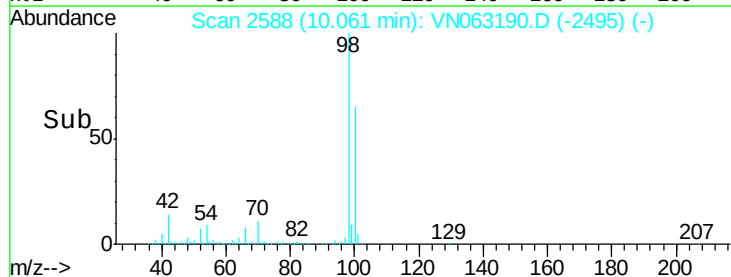
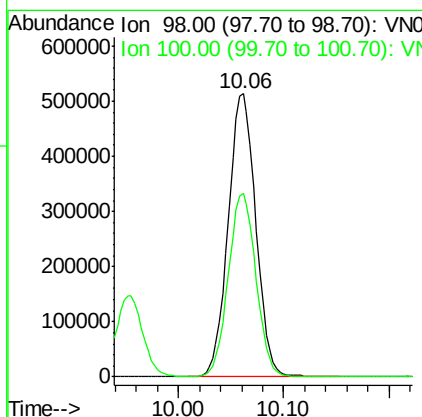
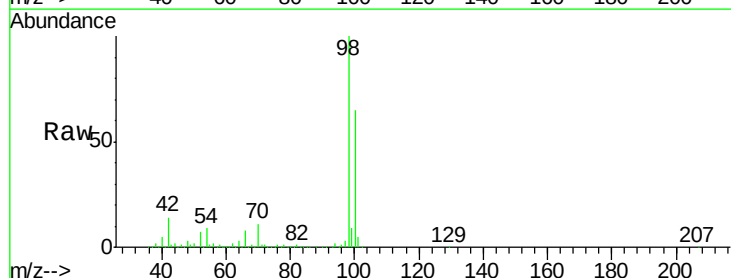
Manual Integrations
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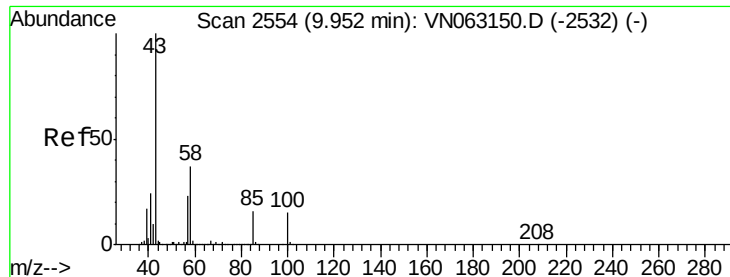
MMDadoda
9/3/2020 9:28:57 AM



#50
Toluene-d8
Concen: 47.639 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	98	Resp	929148
Ion Ratio	100	Lower	Upper
98	100		
100	64.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 268.032 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 43 Resp: 1803658

Ion Ratio Lower Upper

43 100

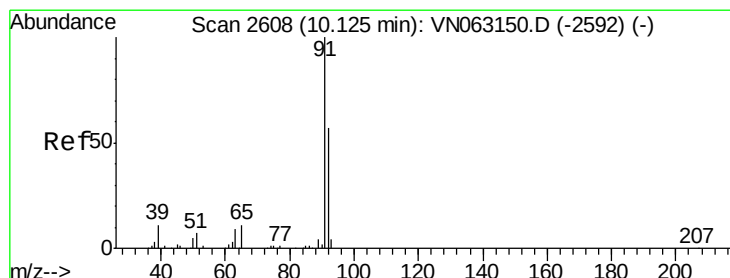
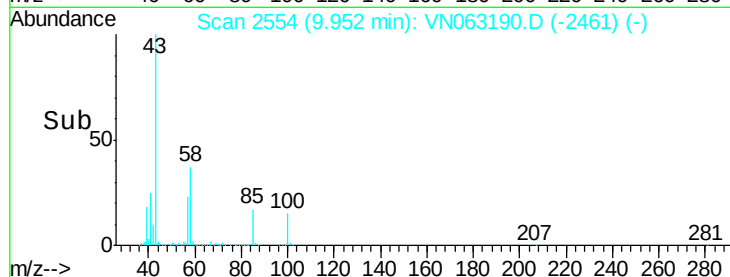
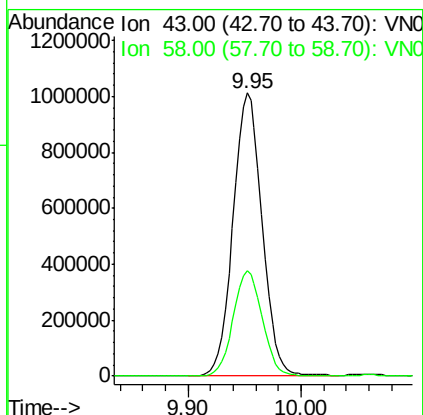
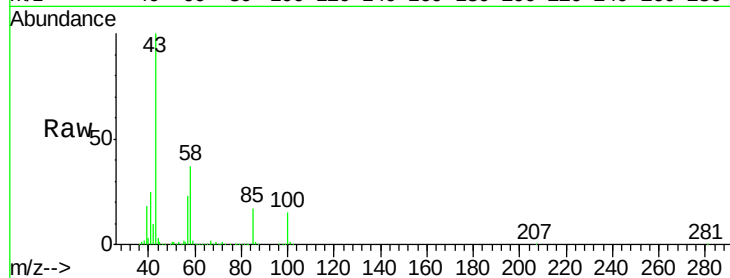
58 37.3 29.2 43.8

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9/3/2020 9:28:57 AM



#52

Toluene

Concen: 49.923 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063190.D

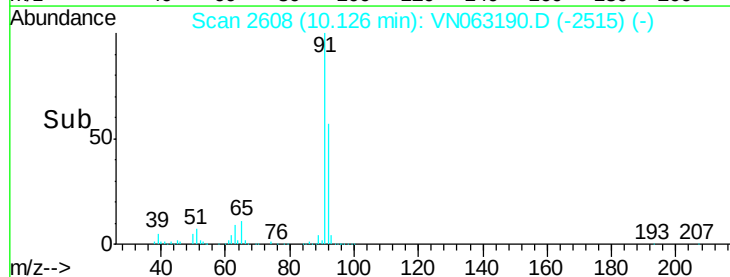
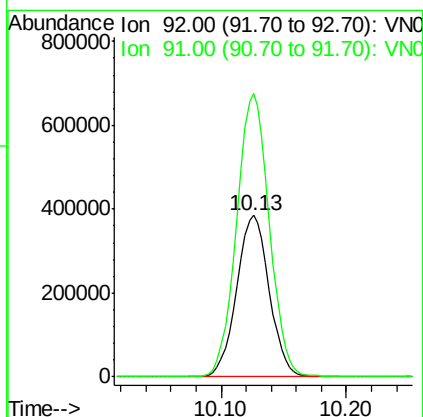
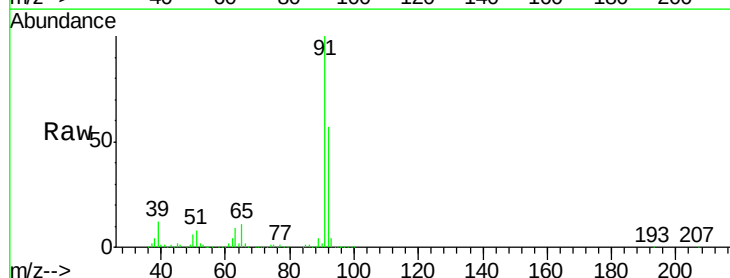
Acq: 2 Sep 2020 13:05

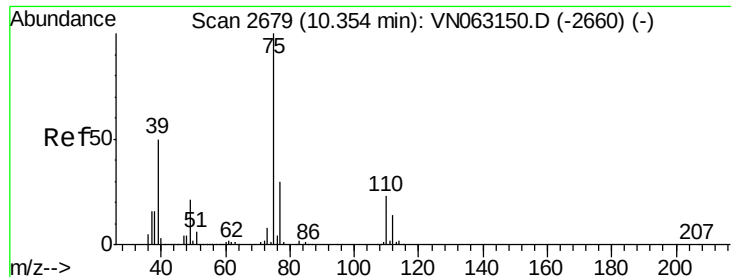
Tgt Ion: 92 Resp: 693935

Ion Ratio Lower Upper

92 100

91 176.1 141.2 211.8





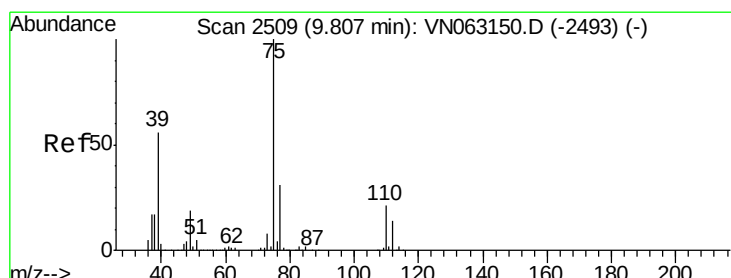
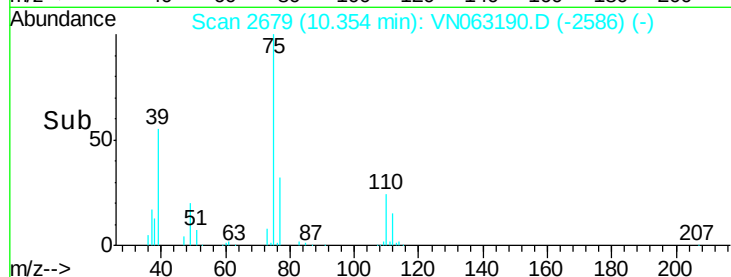
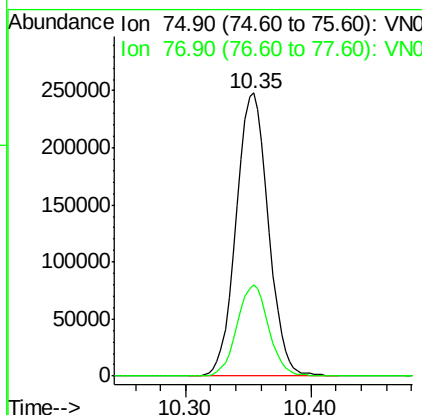
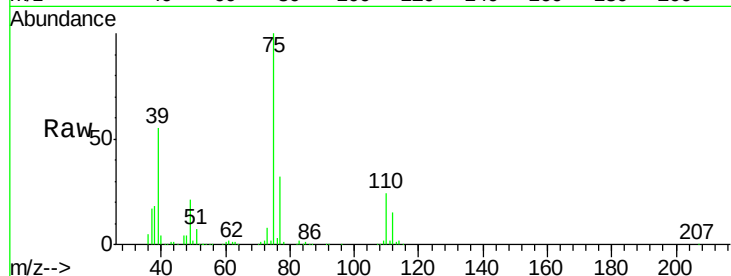
#53
t-1,3-Dichloropropene
Concen: 48.234 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.2	36.2

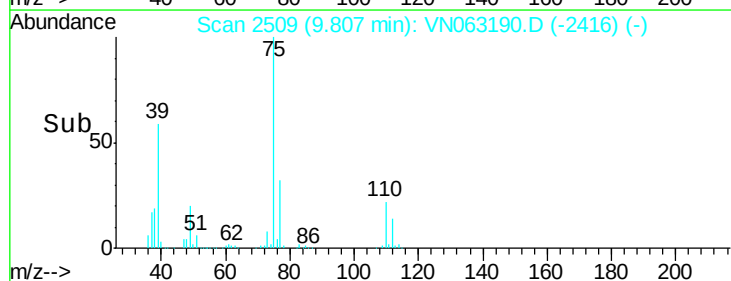
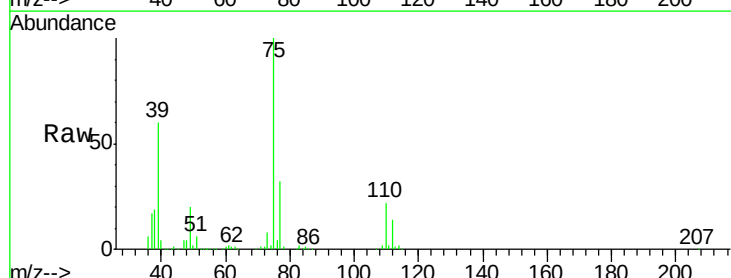
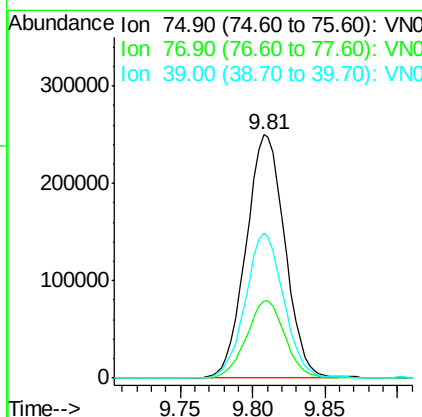
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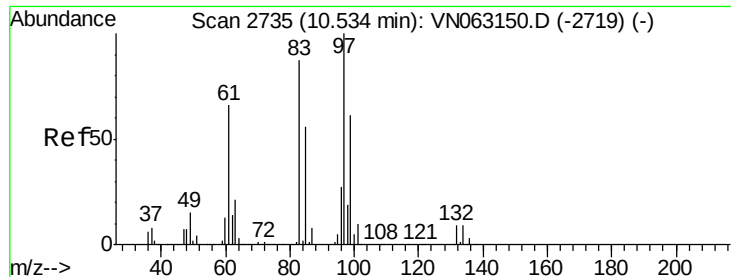
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.469 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	59.5	45.0	67.6





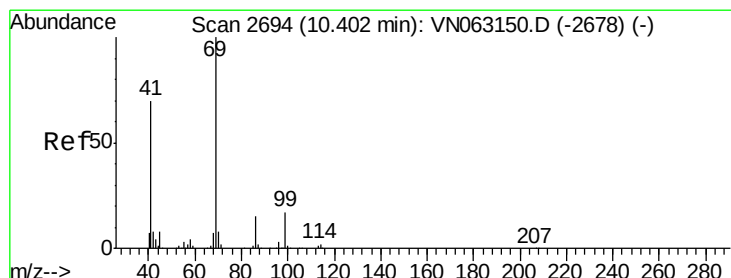
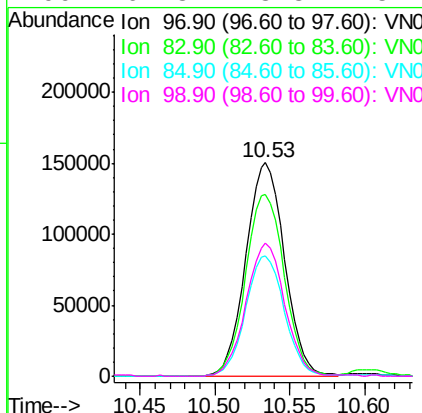
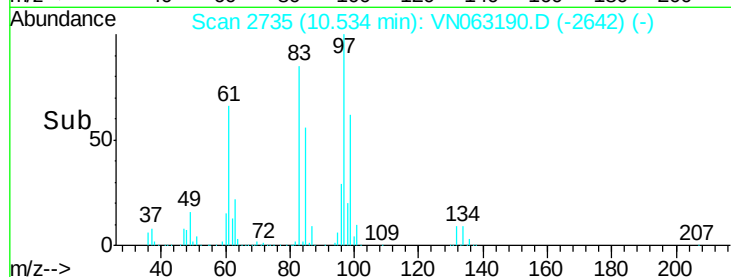
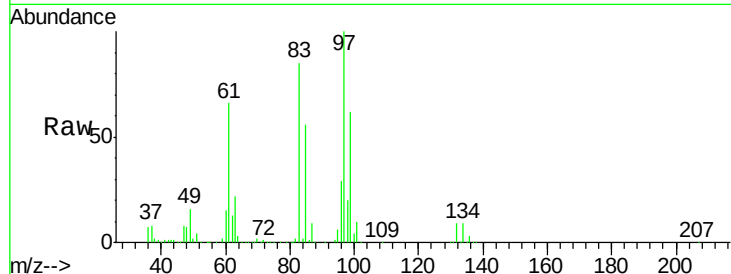
#55
 1,1,2-Trichloroethane
 Concen: 51.017 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion:	97	Resp:	271580
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.8	104.8
85	56.2	44.9	67.3
99	61.8	48.8	73.2

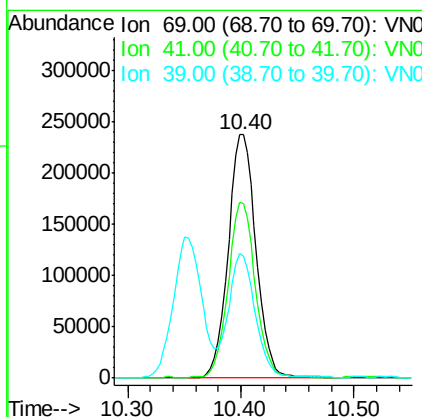
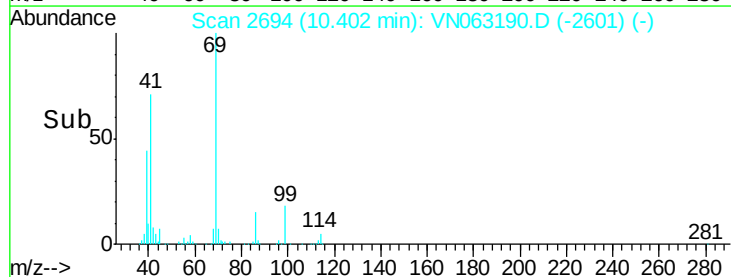
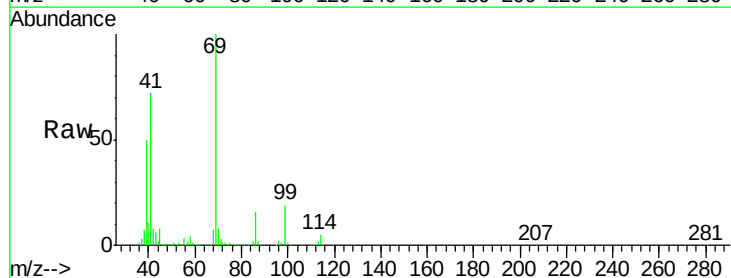
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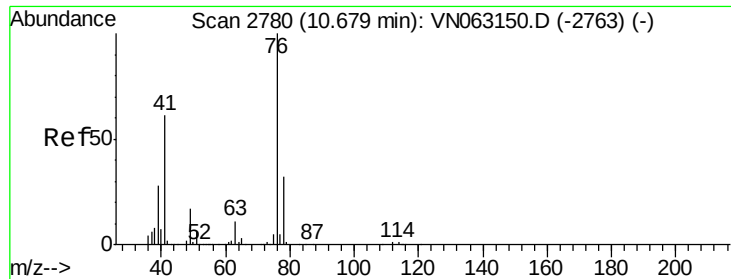
MMDadoda
 9/3/2020 9:28:57 AM



#56
 Ethyl methacrylate
 Concen: 50.047 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion:	69	Resp:	405441
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.5	83.3
39	49.3	38.2	57.2





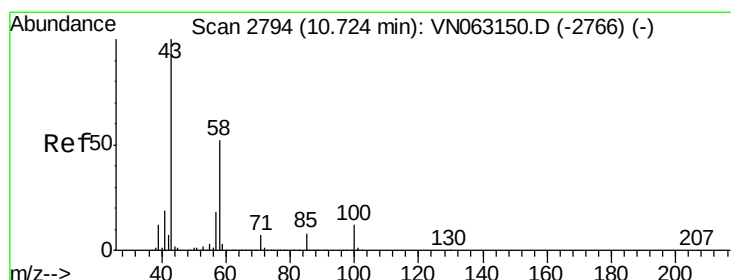
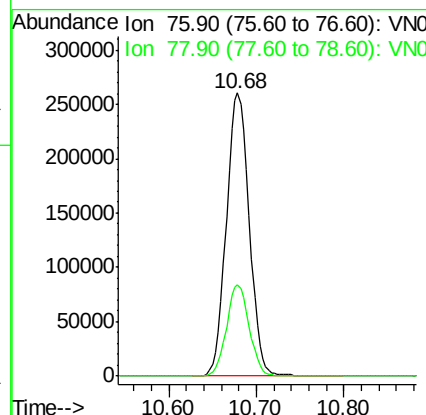
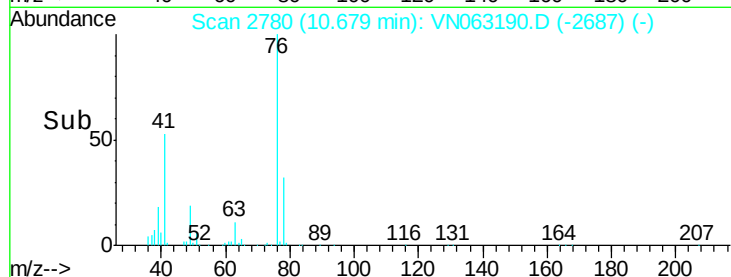
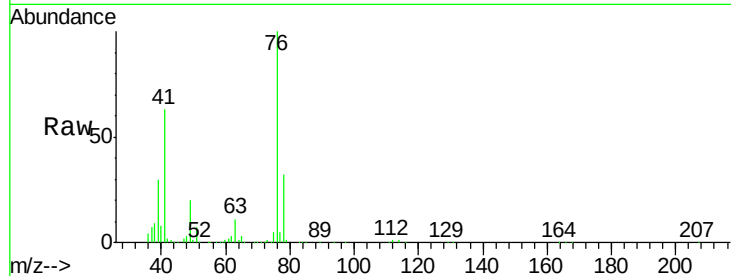
#57
 1,3-Dichloropropane
 Concen: 49.865 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion: 76 Resp: 472890
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

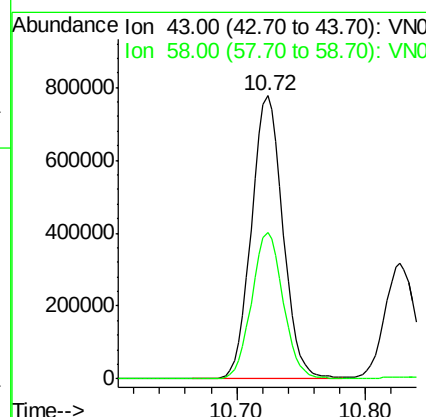
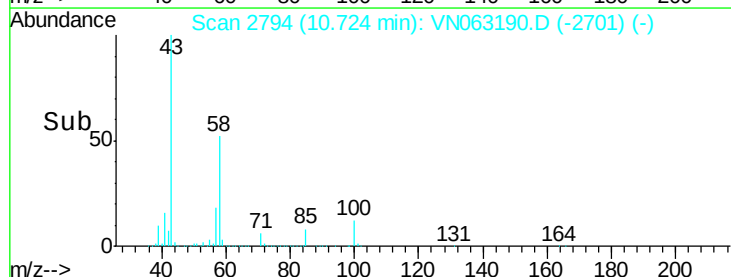
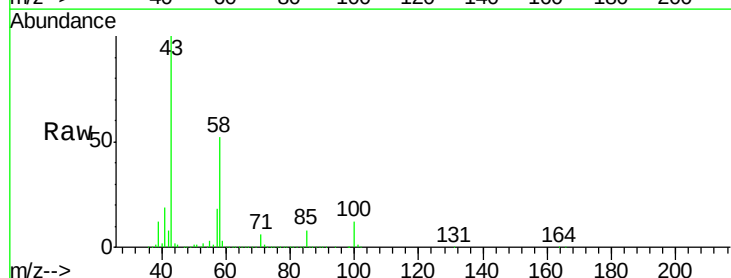
Manual Integrations
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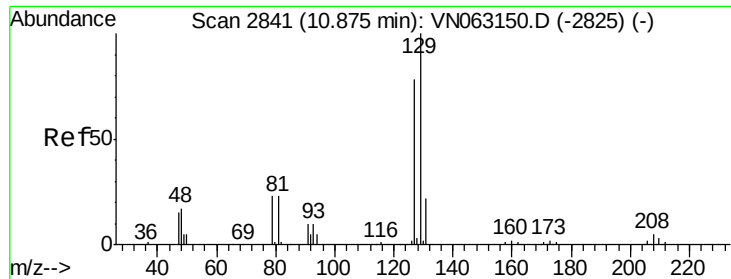
MMDadoda
 9/3/2020 9:28:57 AM



#59
 2-Hexanone
 Concen: 278.706 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 43 Resp: 1318063
 Ion Ratio Lower Upper
 43 100
 58 52.0 25.9 77.8





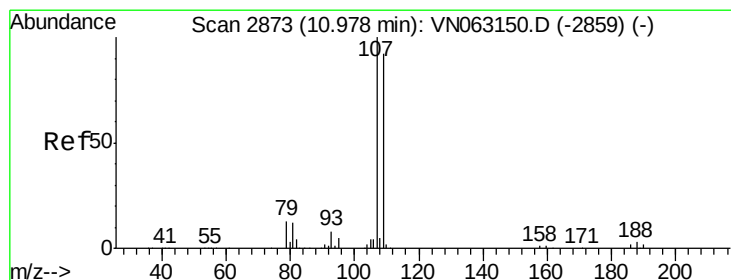
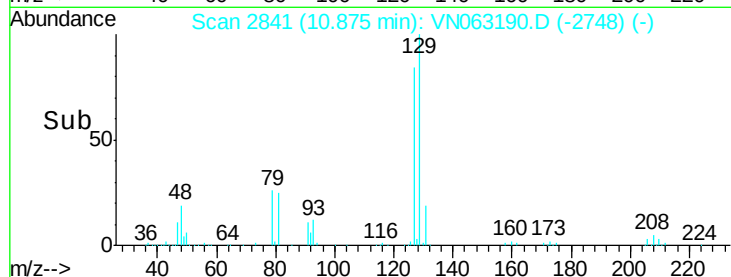
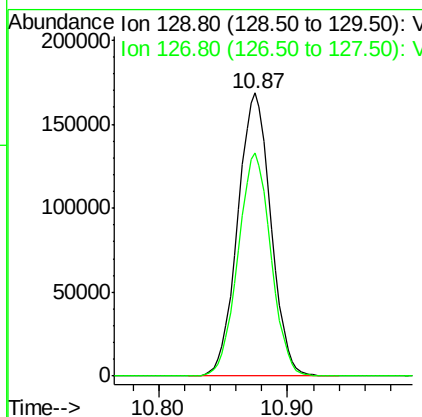
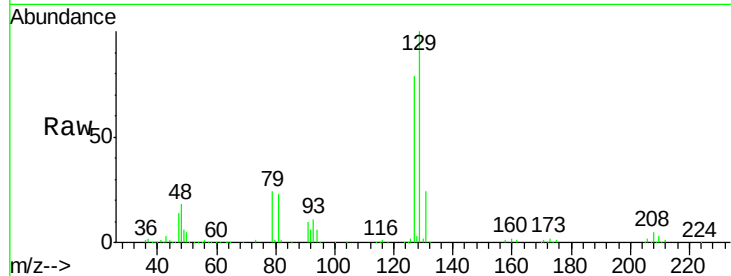
#60
Dibromochloromethane
Concen: 51.139 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion:129 Resp: 300967
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

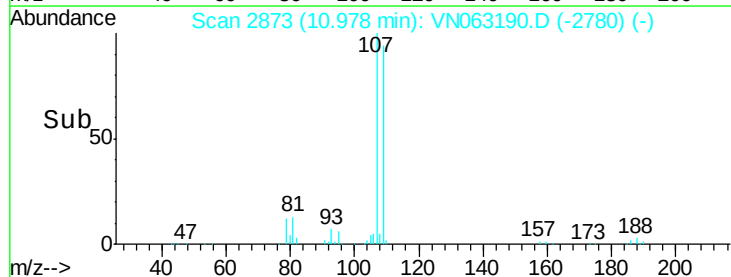
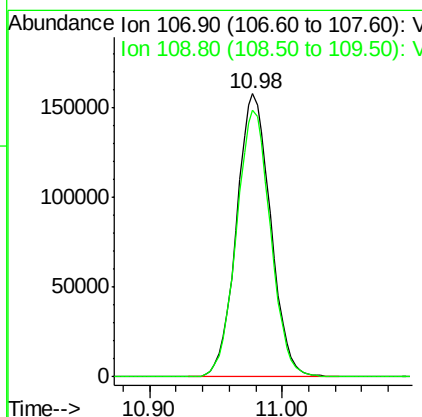
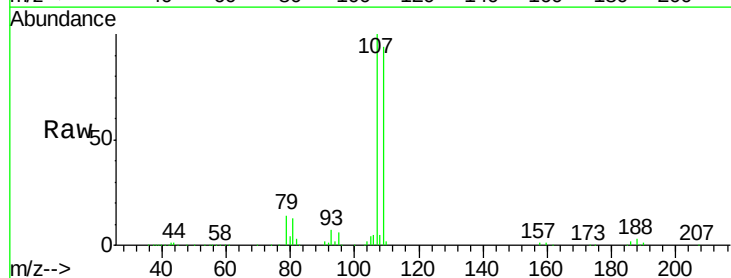
Manual Integrations
APPROVED

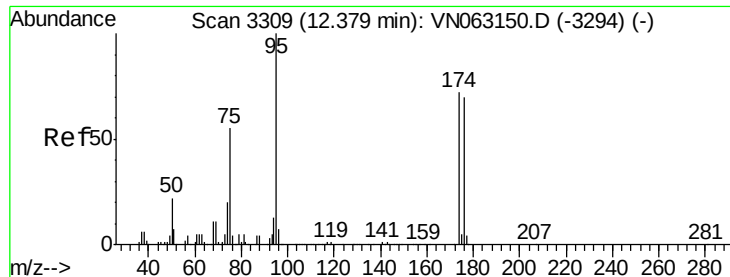
MMDadoda
9/3/2020 9:28:57 AM



#61
1,2-Dibromoethane
Concen: 50.911 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion:107 Resp: 281731
Ion Ratio Lower Upper
107 100
109 94.1 73.4 110.0





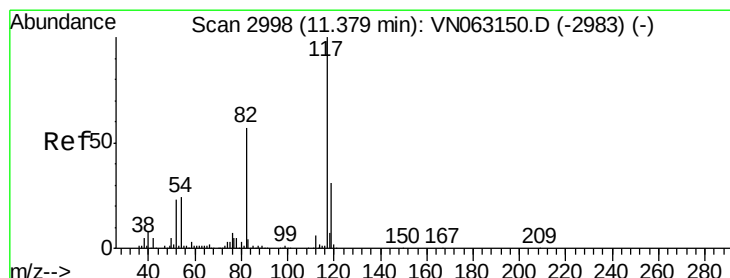
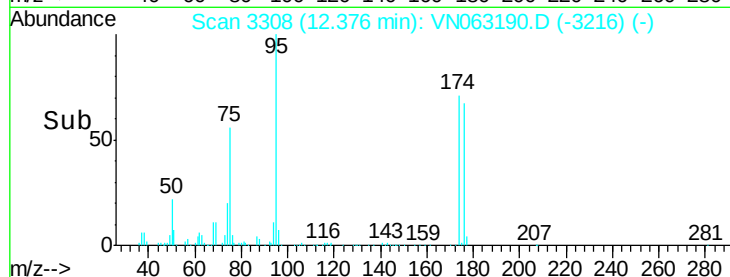
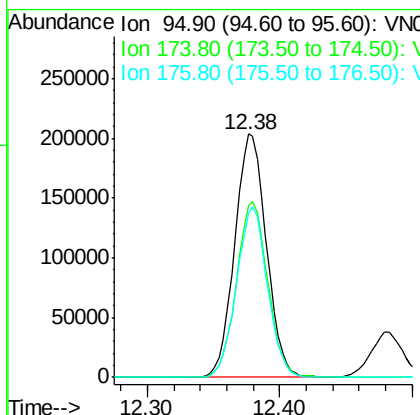
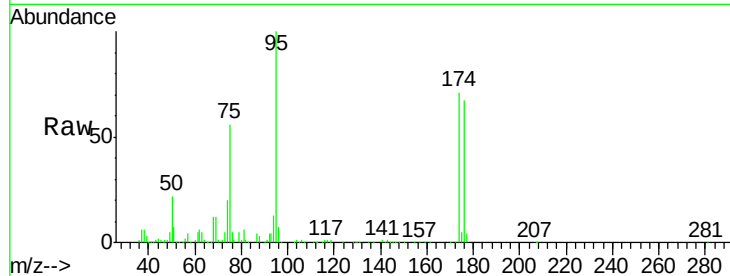
#62
4-Bromofluorobenzene
Concen: 49.474 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	337543		
174	71.5	0.0	143.8	
176	68.5	0.0	138.4	

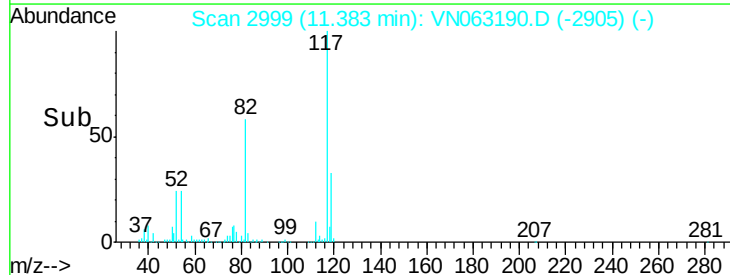
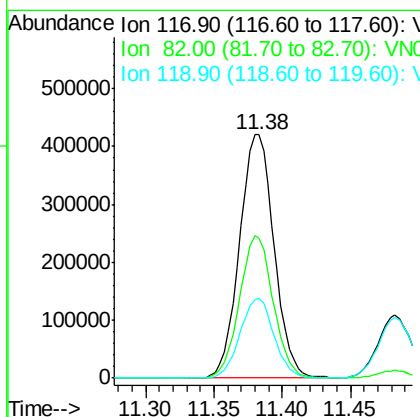
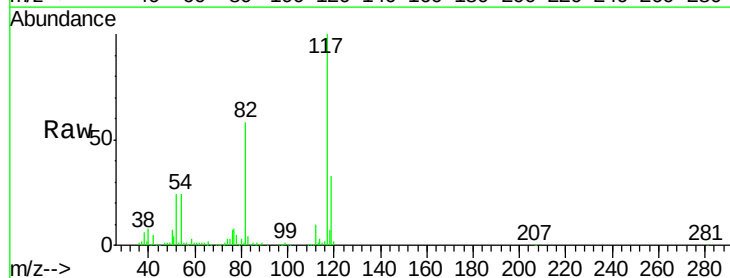
Manual Integrations
APPROVED

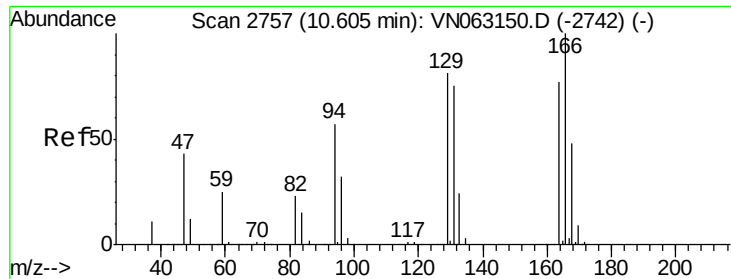
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	738386		
82	57.6	45.4	68.0	
119	32.7	24.6	37.0	





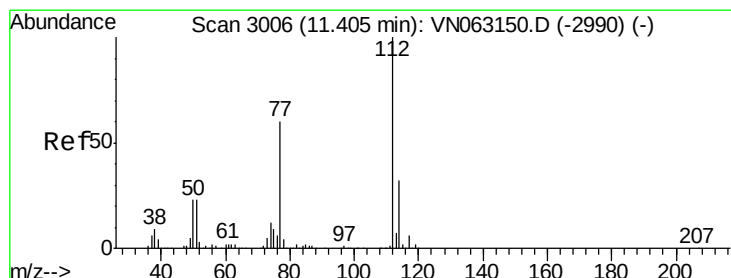
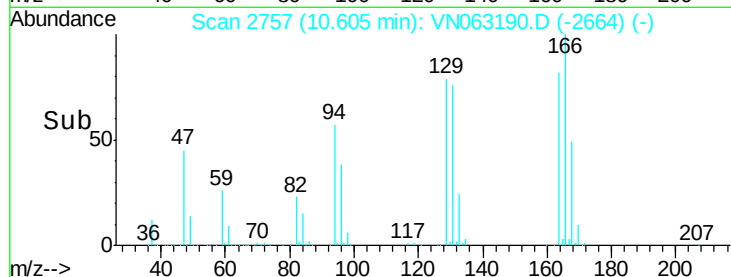
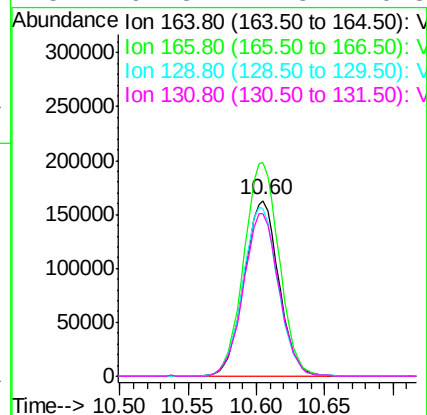
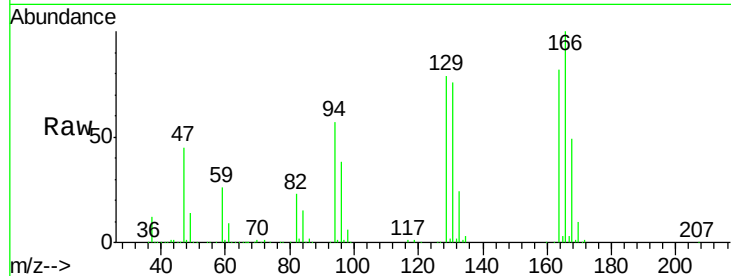
#64
Tetrachloroethene
Concen: 54.416 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	121.6	103.4	155.2	
129	95.6	83.4	125.0	
131	92.3	77.8	116.8	

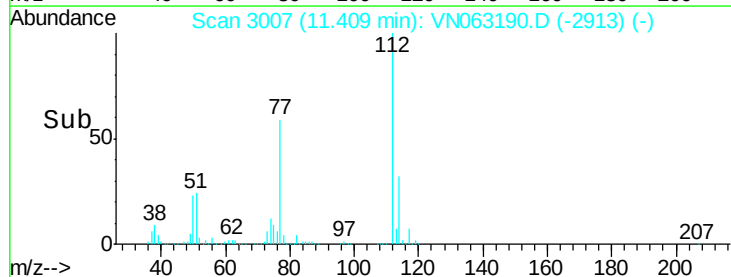
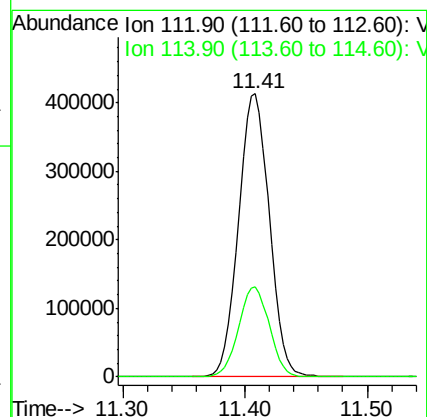
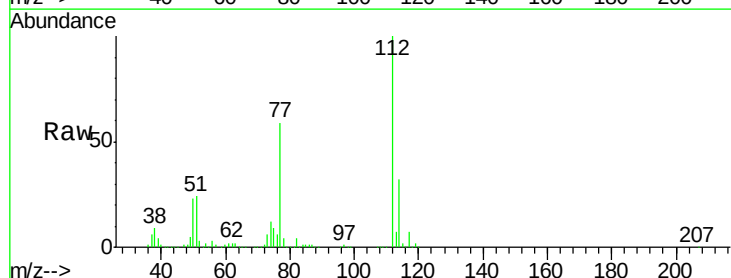
Manual Integrations
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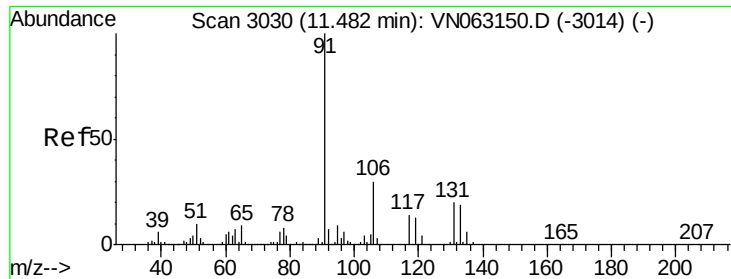
MMDadoda
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#65
Chlorobenzene
Concen: 48.655 ug/l
RT: 11.41 min Scan# 3007
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.6	25.2	37.8	





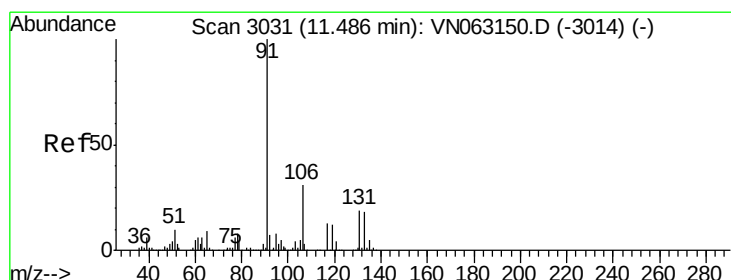
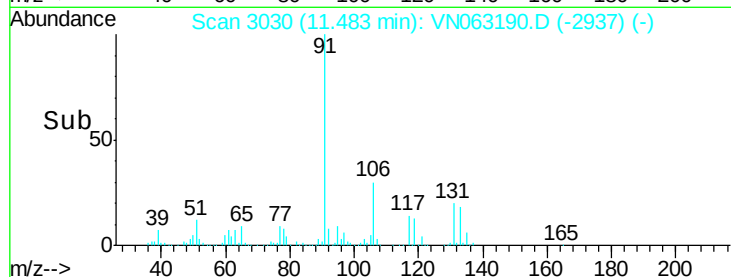
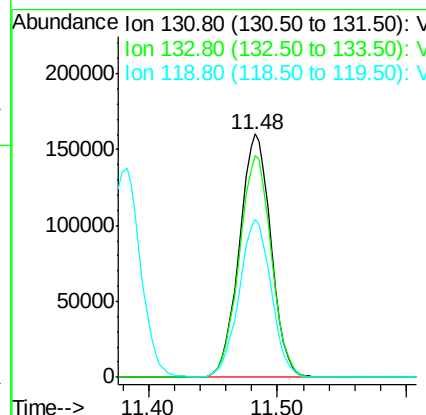
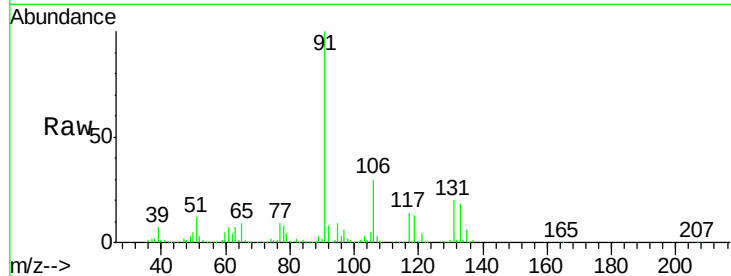
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.344 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.3	142.0
119	65.3	32.4	97.0

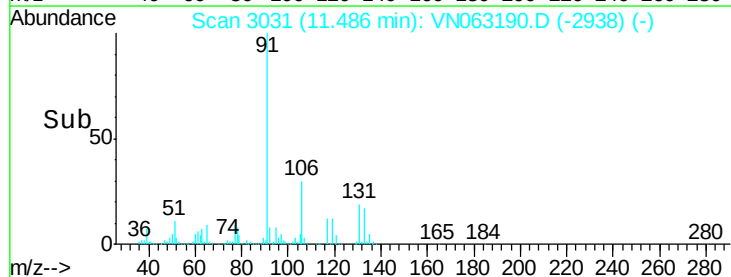
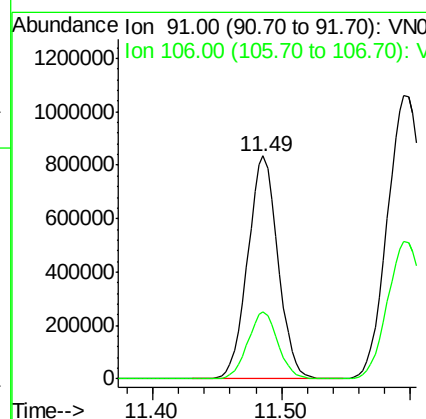
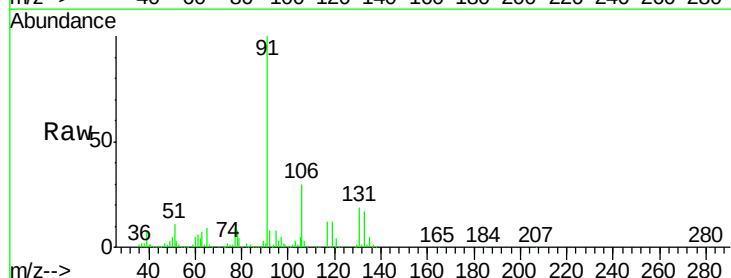
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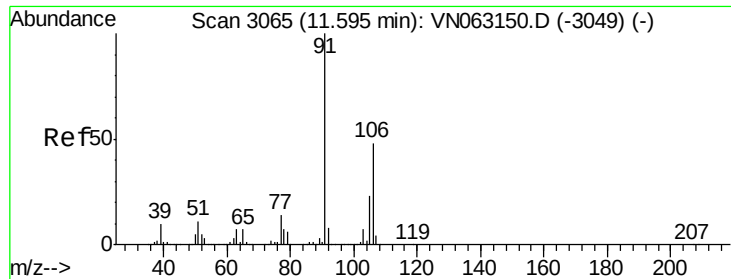
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 9/3/2020 9:28:57 AM



#67
 Ethyl Benzene
 Concen: 50.240 ug/l
 RT: 11.49 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.4	36.6





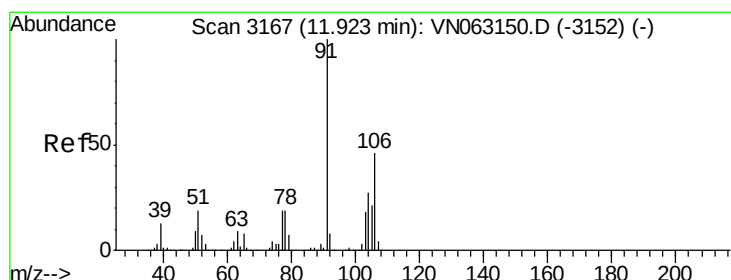
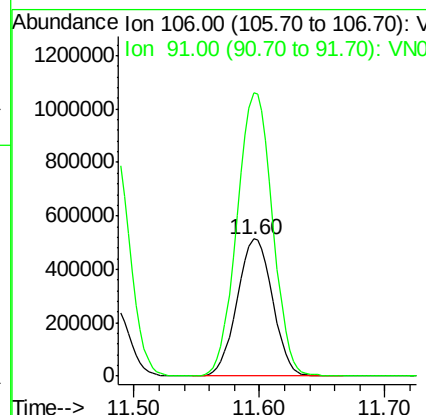
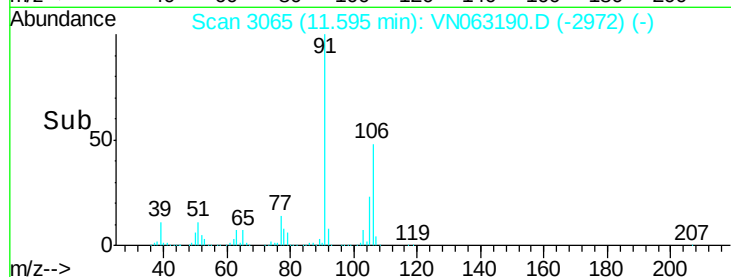
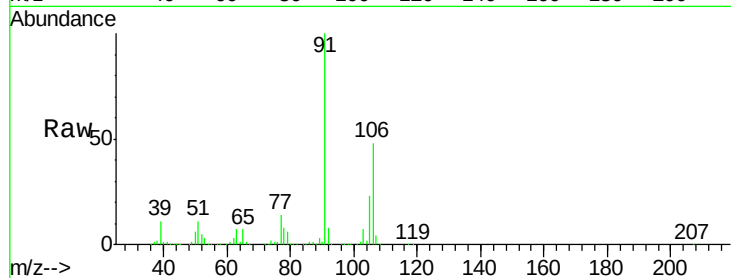
#68
m/p-Xylenes
Concen: 100.083 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion:106 Resp: 1005671
Ion Ratio Lower Upper
106 100
91 207.2 166.7 250.1

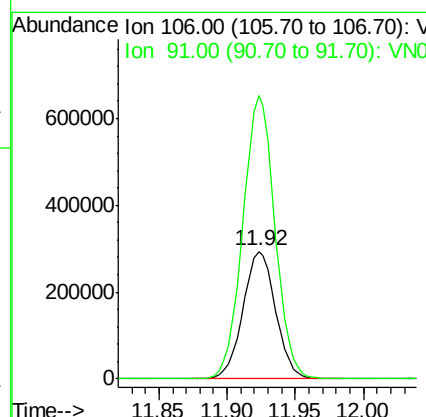
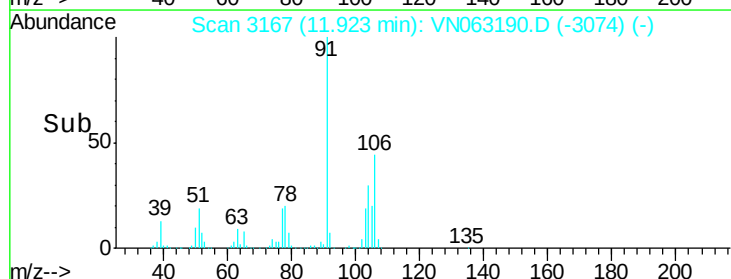
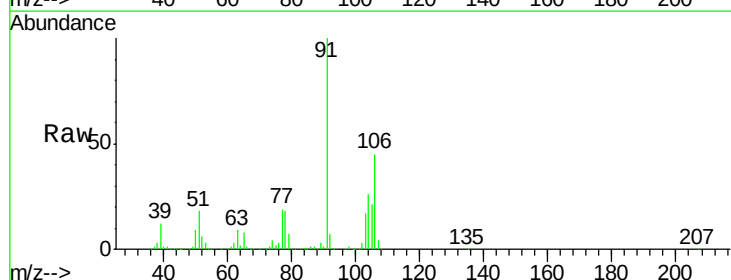
Manual Integrations
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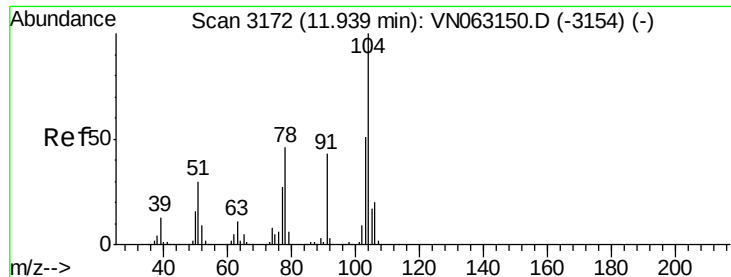
MMDadoda
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#69
o-Xylene
Concen: 50.087 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion:106 Resp: 486202
Ion Ratio Lower Upper
106 100
91 218.0 108.6 325.6





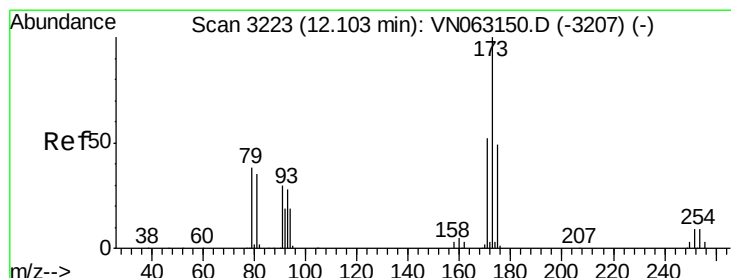
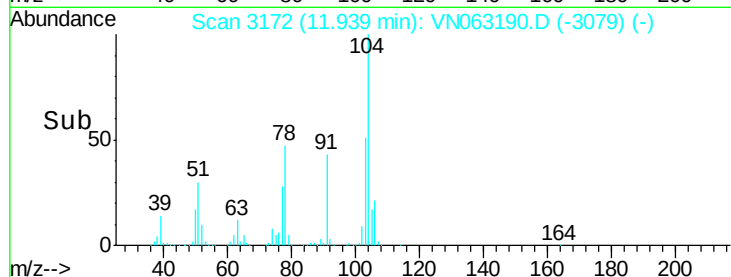
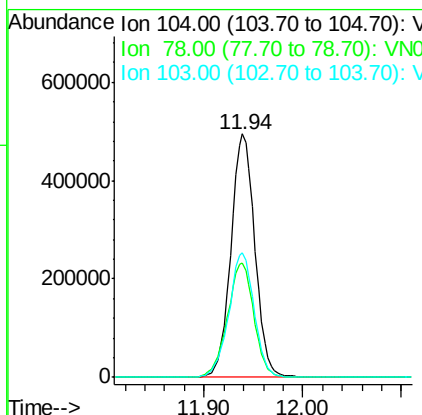
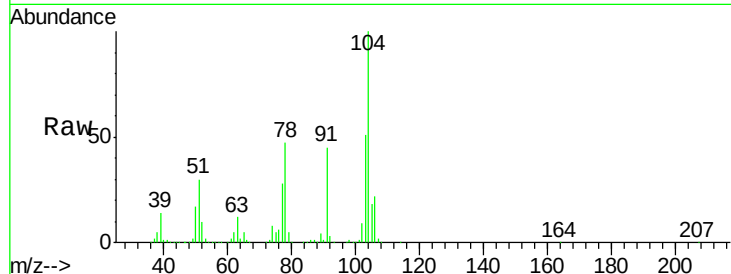
#70
Stvrene
Concen: 50.274 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	838708		
78	52.0		41.0	61.6
103	54.5		43.8	65.8

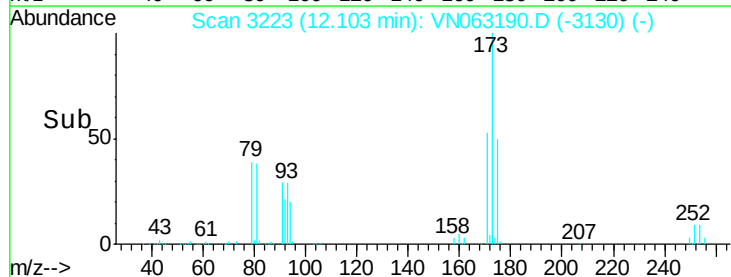
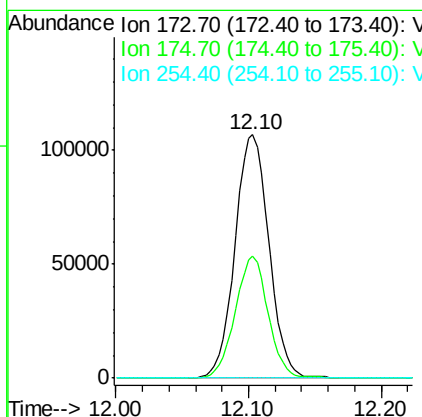
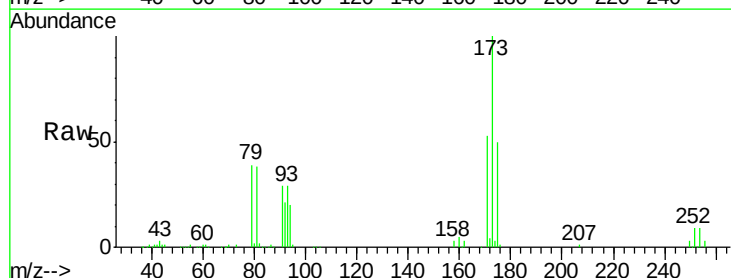
Manual Integrations
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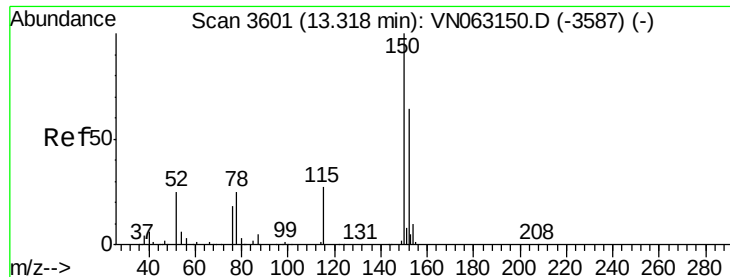
MMDadoda
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#71
Bromoform
Concen: 50.602 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	189617		
175	48.8		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: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:152 Resp: 353462

Ion Ratio Lower Upper

152 100

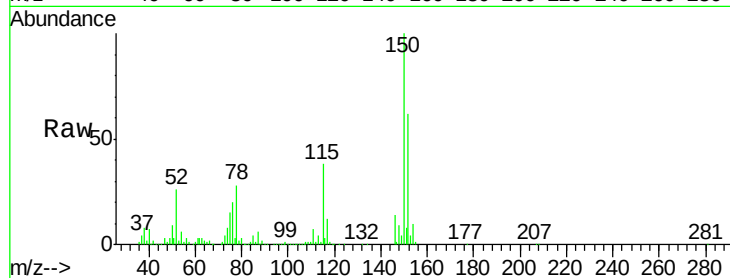
115 61.3 32.0 96.2

150 173.0 0.0 353.0

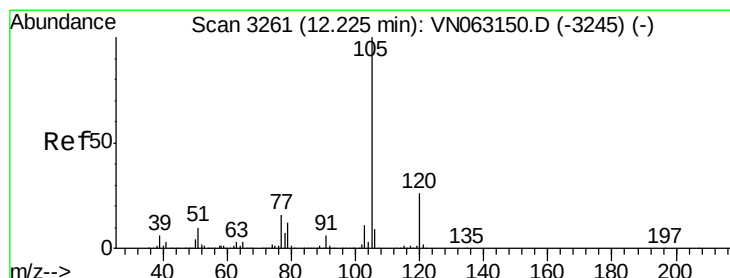
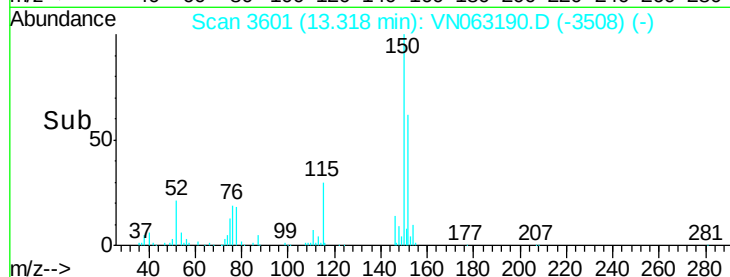
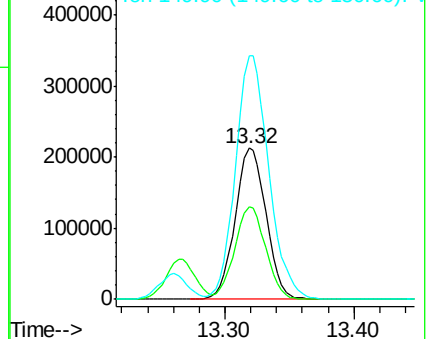
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 48.933 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063190.D

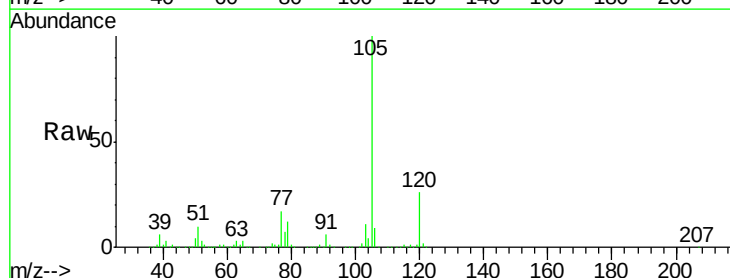
Acq: 2 Sep 2020 13:05

Tgt Ion:105 Resp: 1326567

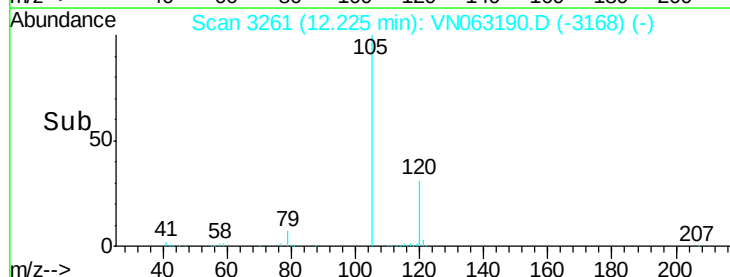
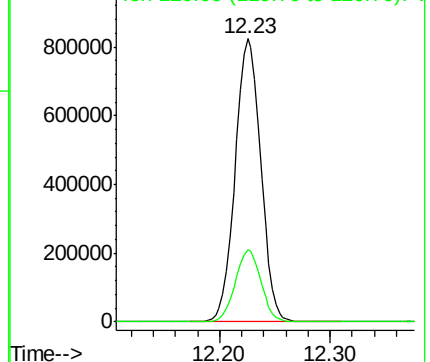
Ion Ratio Lower Upper

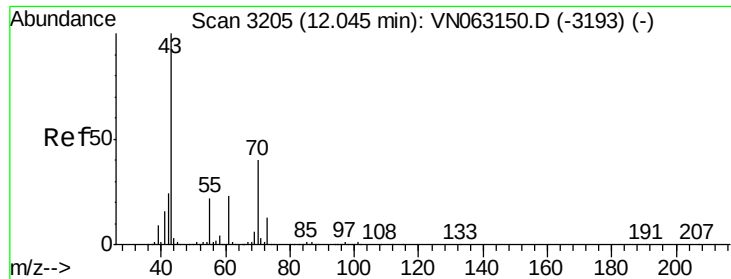
105 100

120 25.6 12.9 38.6



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





#74

N-amyl acetate

Concen: 48.497 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

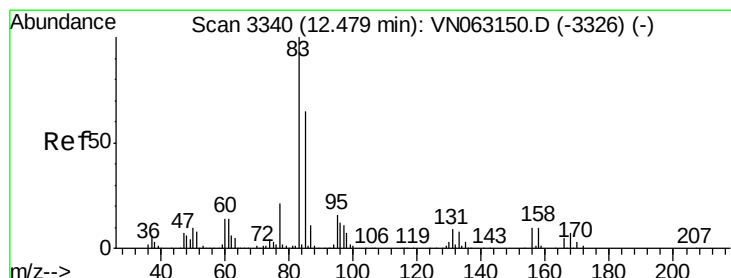
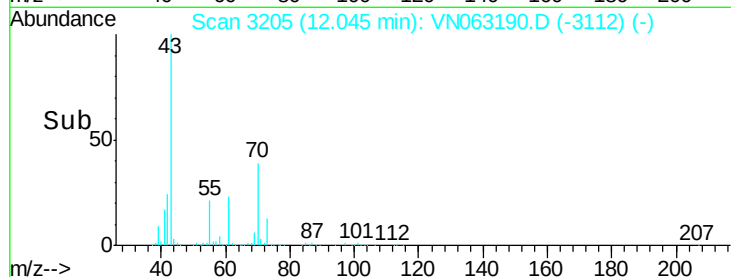
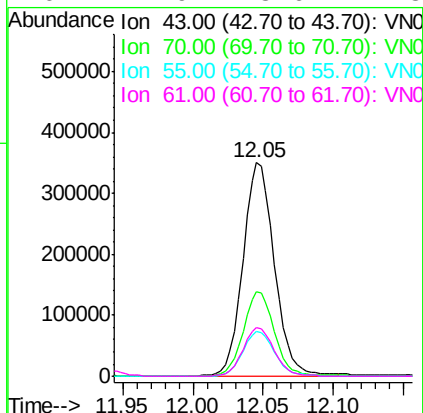
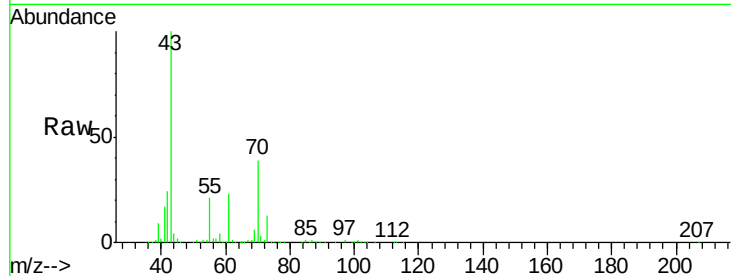
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		544592		
70	39.5	32.1	48.1		
55	21.5	17.4	26.0		
61	22.9	18.6	27.8		

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#75

1,1,2,2-Tetrachloroethane

Concen: 46.906 ug/l

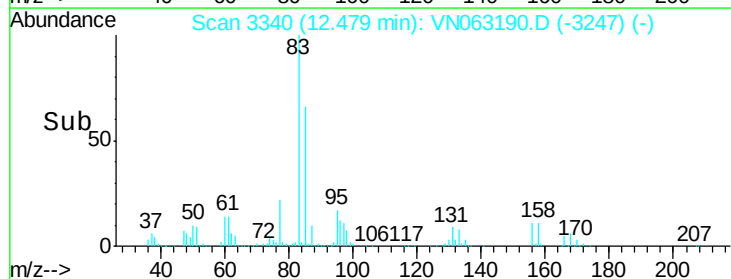
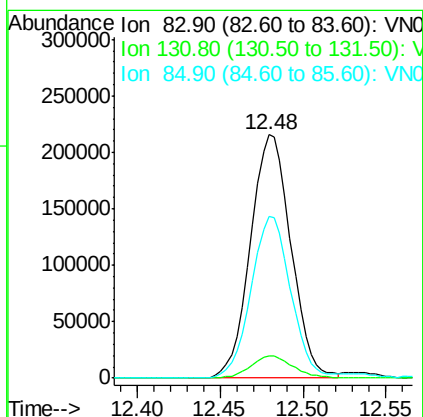
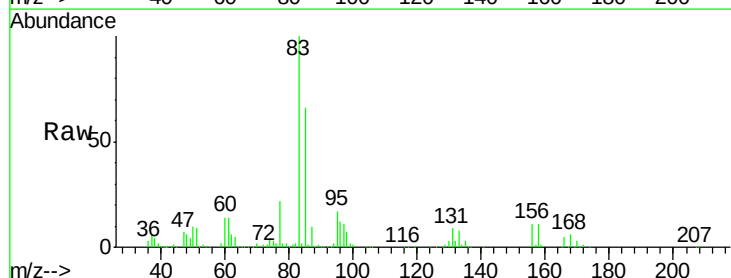
RT: 12.48 min Scan# 3340

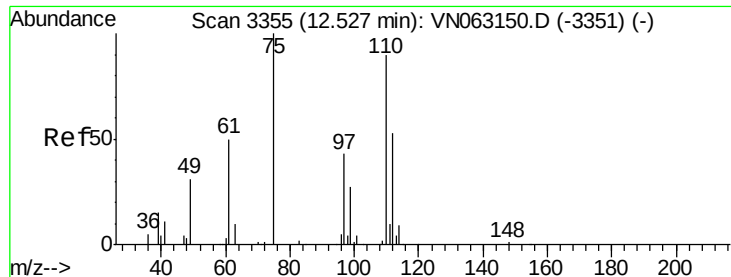
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		366615		
131	9.4	4.7	14.0		
85	65.0	32.7	98.1		





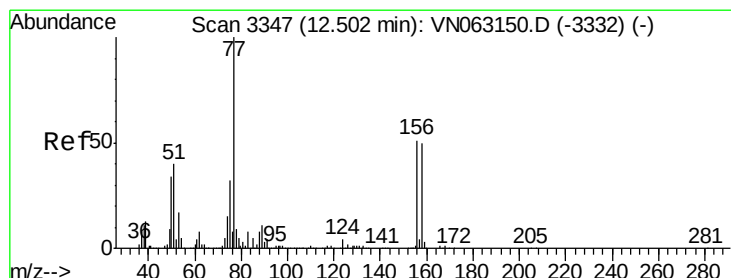
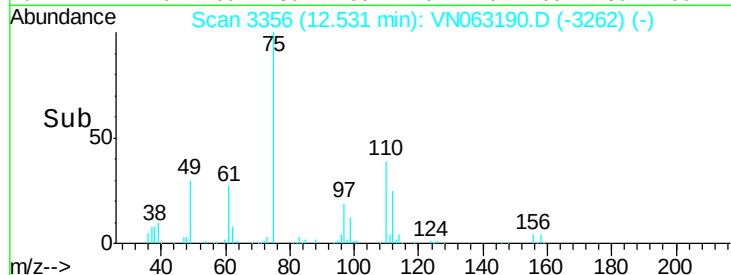
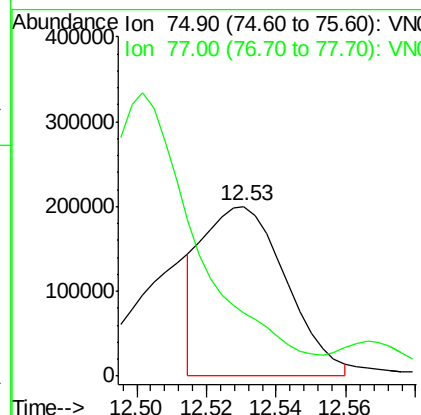
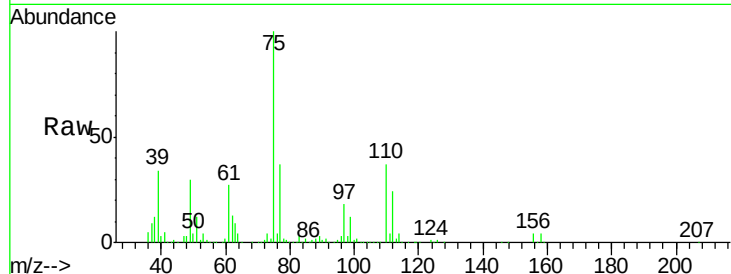
#76
 1,2,3-Trichloropropane
 Concen: 47.588 ug/l m
 RT: 12.53 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

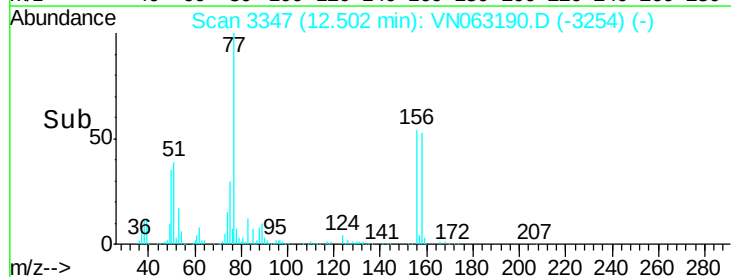
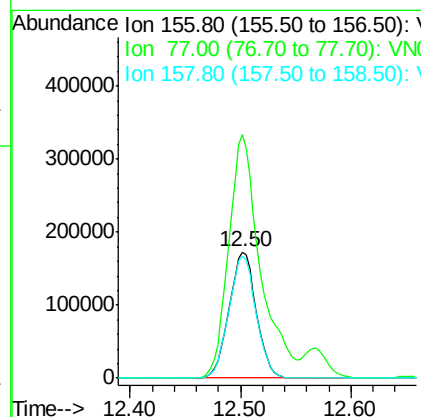
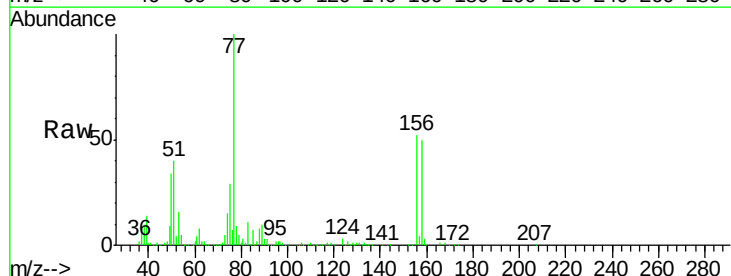
Manual Integrations
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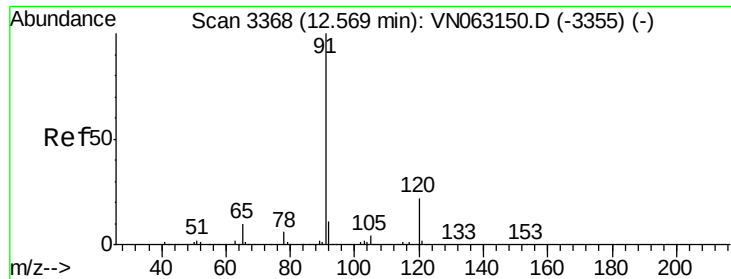
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#77
 Bromobenzene
 Concen: 48.065 ug/l
 RT: 12.50 min Scan# 3347
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
156	100		
77	226.1	116.1	348.3
158	97.3	48.8	146.4





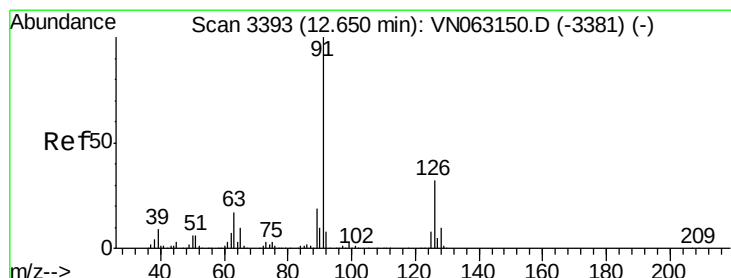
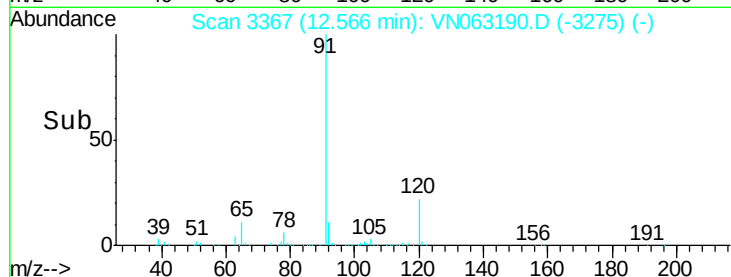
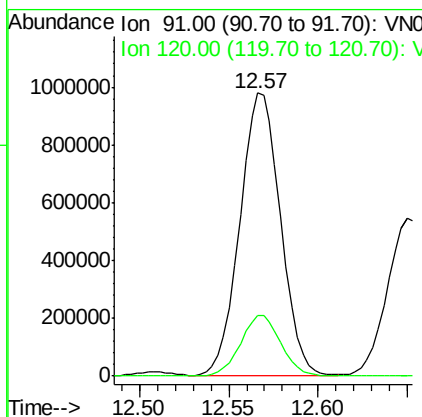
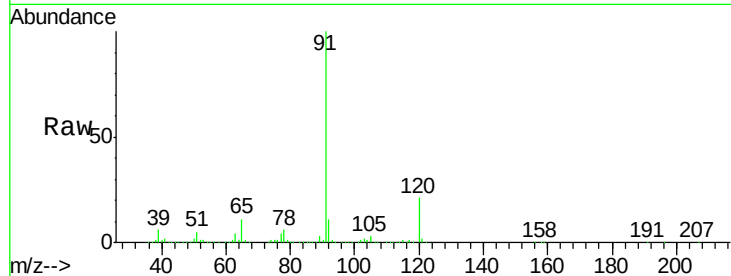
#78
n-propylbenzene
Concen: 49.446 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion: 91 Resp: 1551160
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.7

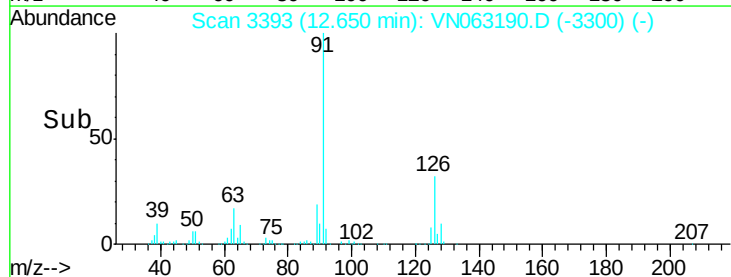
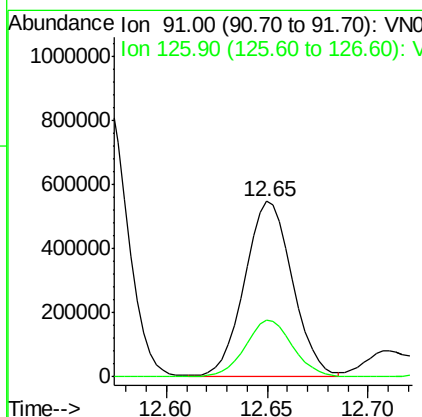
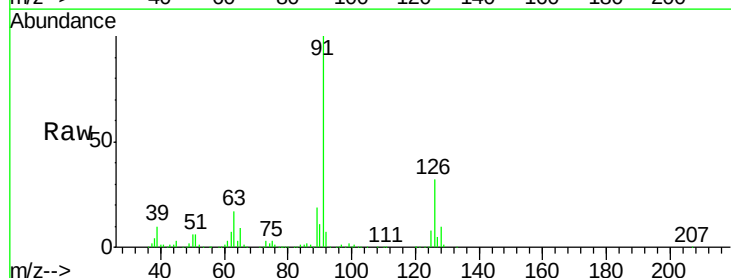
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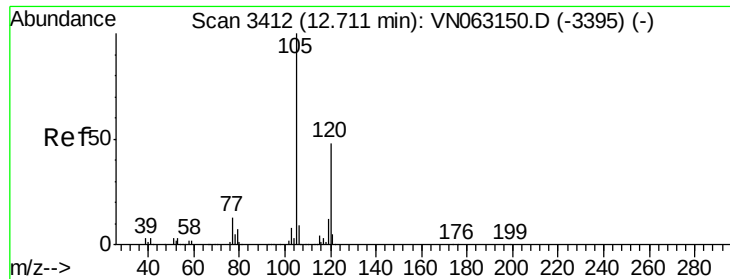
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#79
2-Chlorotoluene
Concen: 48.025 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion: 91 Resp: 902355
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.3





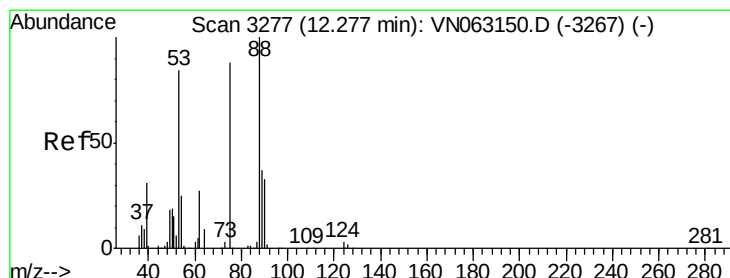
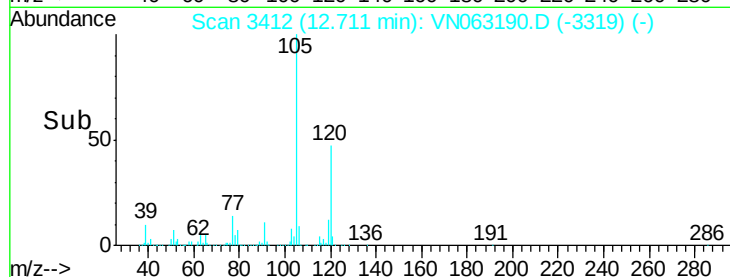
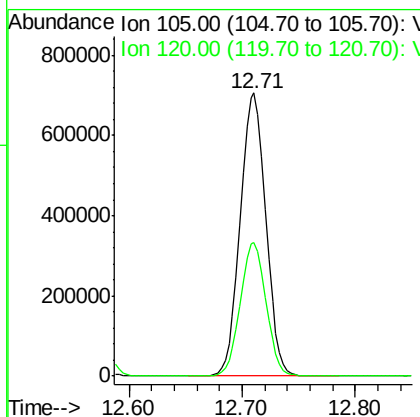
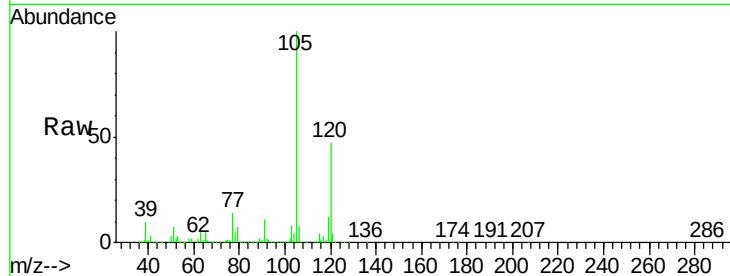
#80
 1,3,5-Trimethylbenzene
 Concen: 49.321 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion:105 Resp: 1112949
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.2 72.6

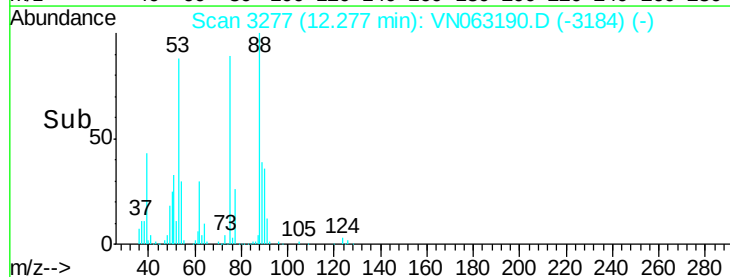
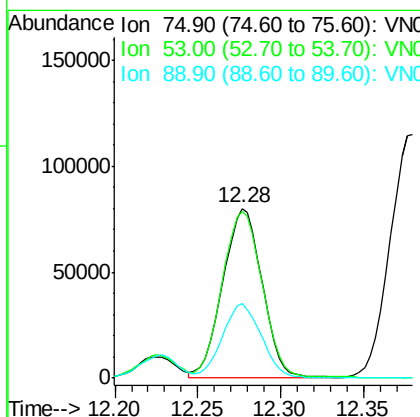
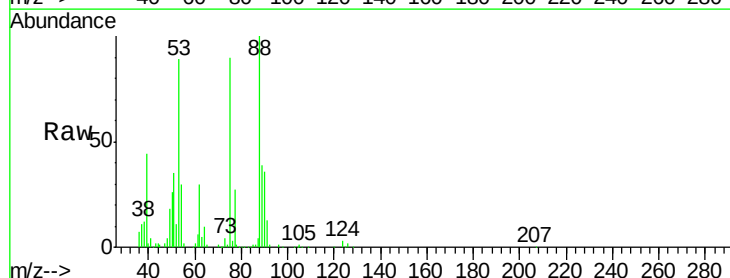
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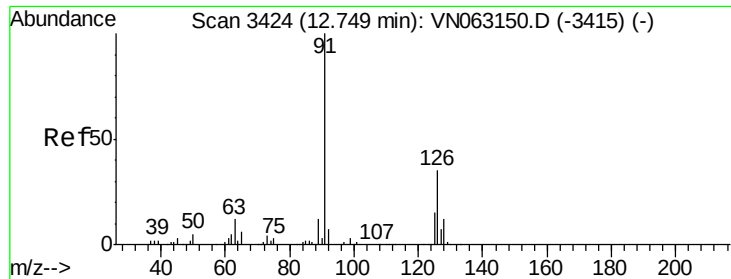
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.027 ug/l
 RT: 12.28 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion: 75 Resp: 132250
 Ion Ratio Lower Upper
 75 100
 53 98.9 78.7 118.1
 89 43.6 35.3 52.9





#82

4-Chlorotoluene

Concen: 48.651 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion: 91 Resp: 948064

Ion Ratio Lower Upper

91 100

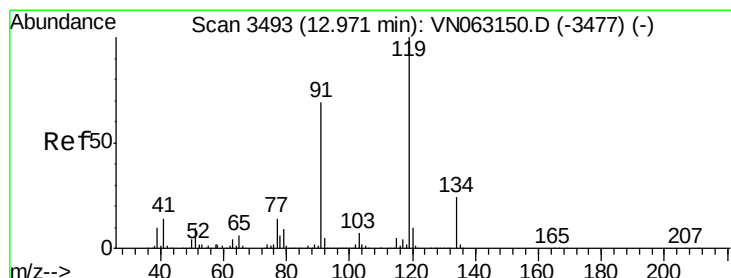
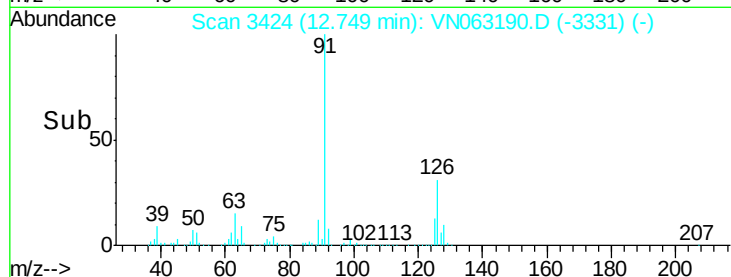
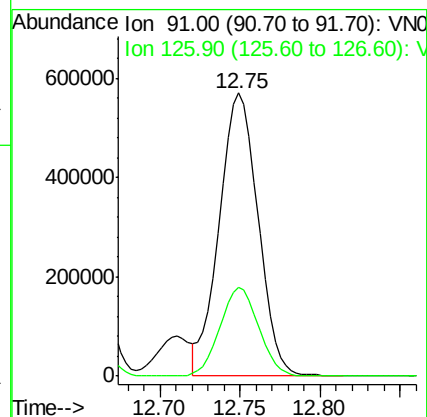
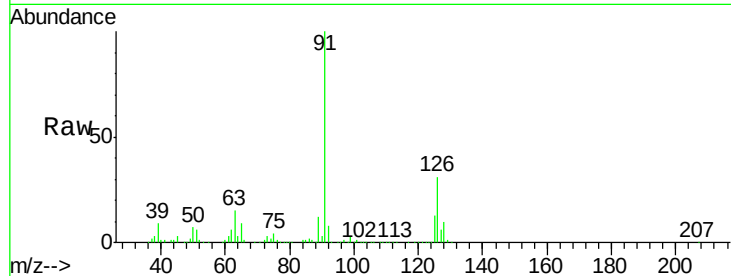
126 31.3 16.2 48.5

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#83

tert-Butylbenzene

Concen: 47.634 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

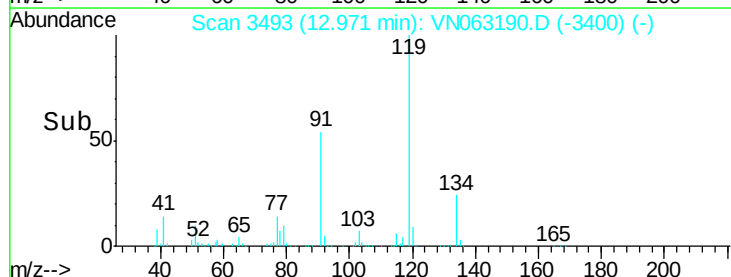
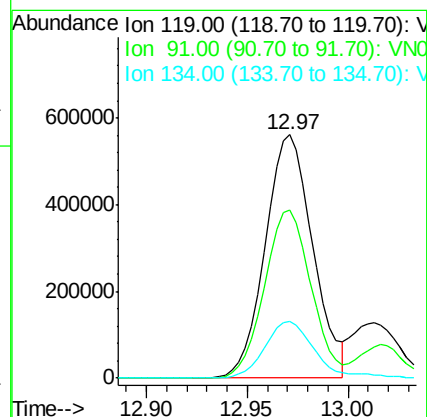
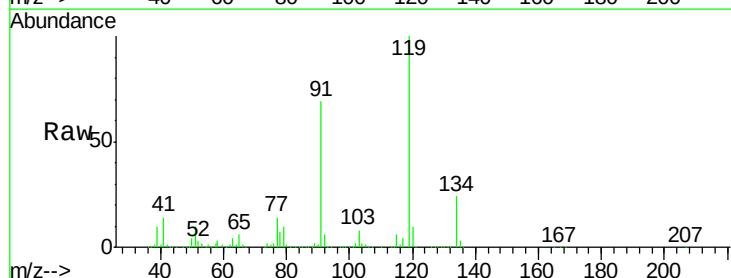
Tgt Ion: 119 Resp: 921853

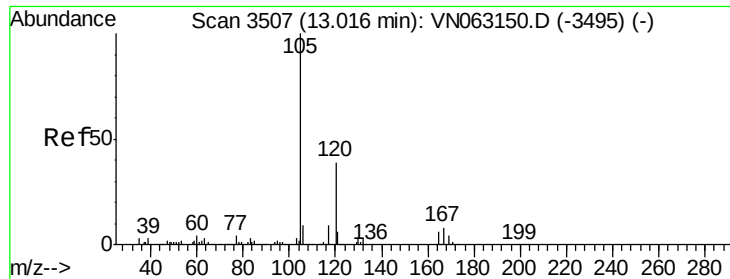
Ion Ratio Lower Upper

119 100

91 67.5 33.7 101.0

134 24.5 12.0 36.0





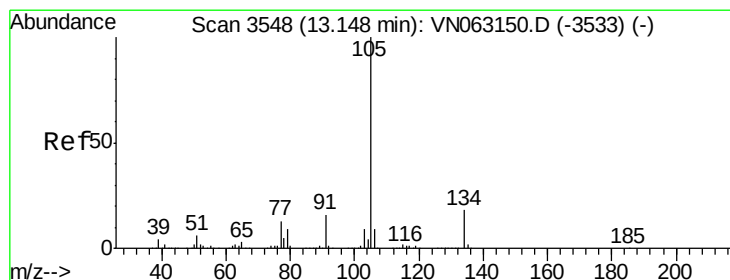
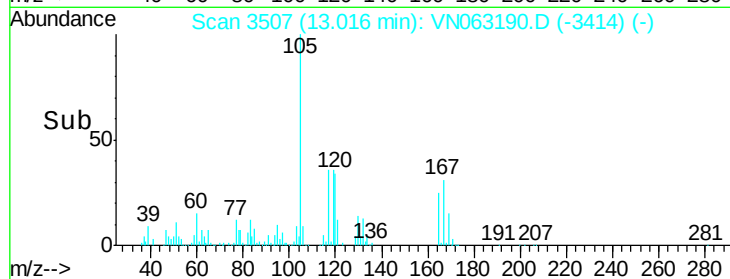
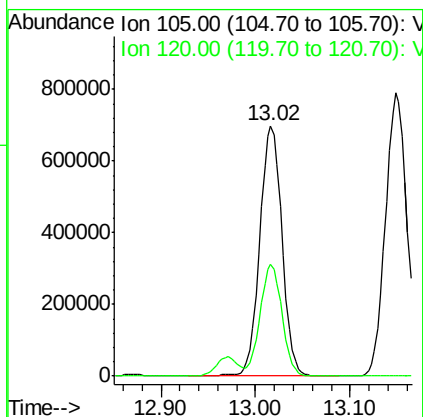
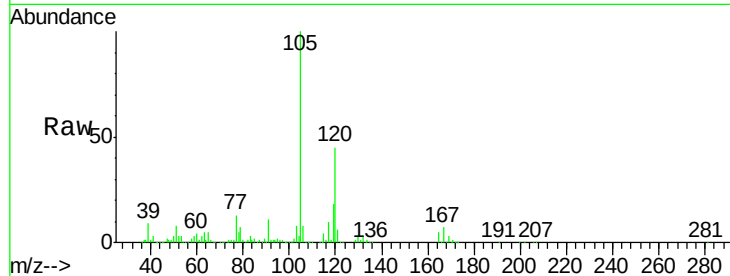
#84
 1,2,4-Trimethylbenzene
 Concen: 49.966 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion:105 Resp: 1136484
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.6 67.7

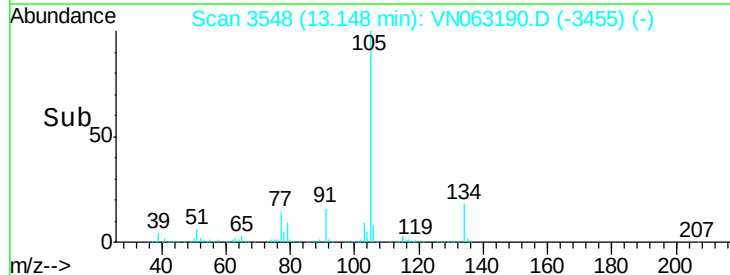
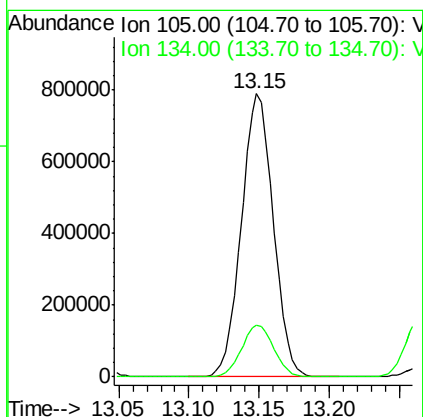
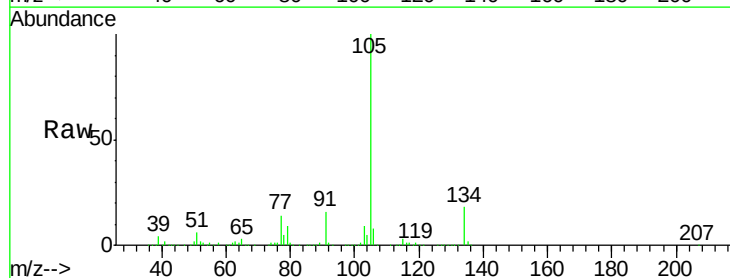
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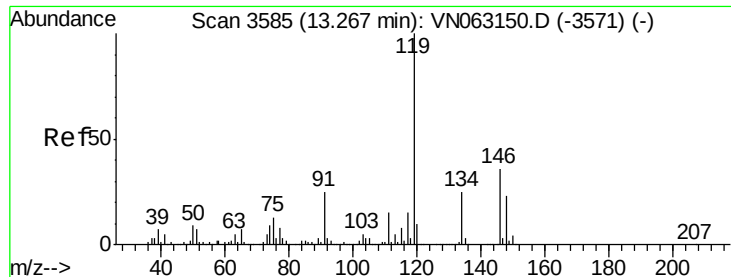
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#85
 sec-Butylbenzene
 Concen: 49.499 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion:105 Resp: 1248479
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.3





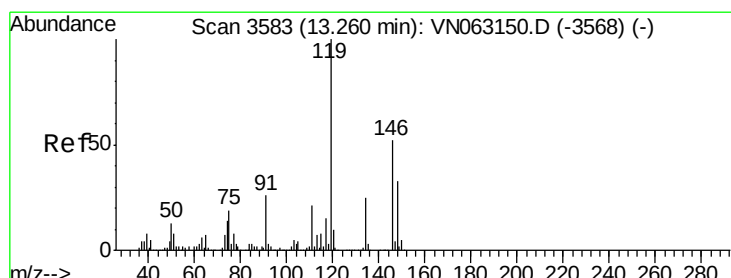
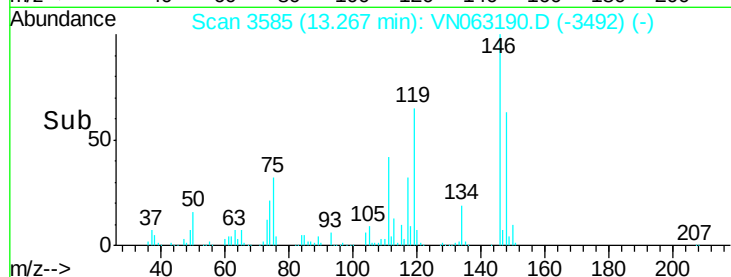
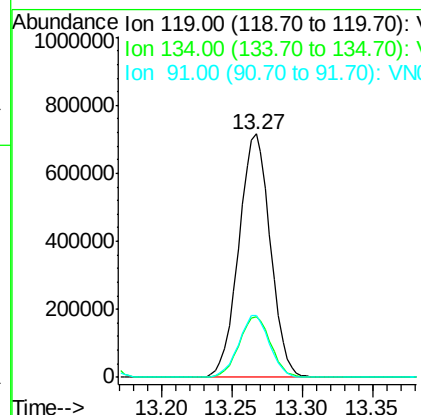
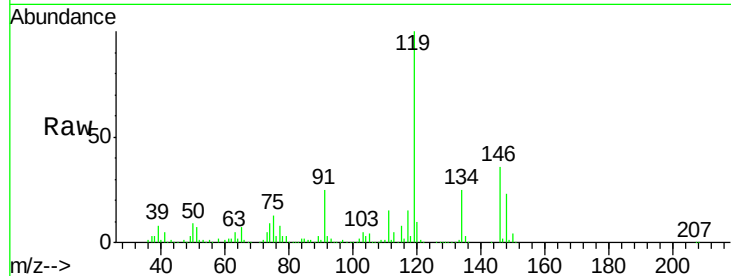
#86
 p-Isopropyltoluene
 Concen: 49.872 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.4	37.4
91	24.7	12.2	36.6

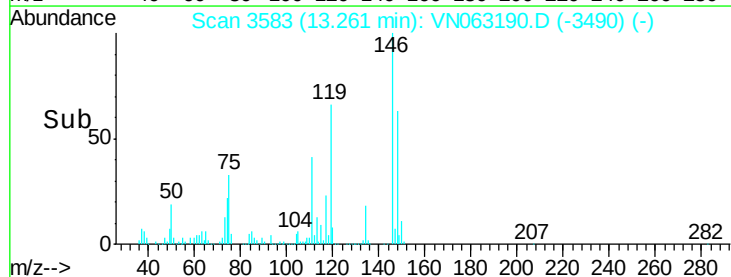
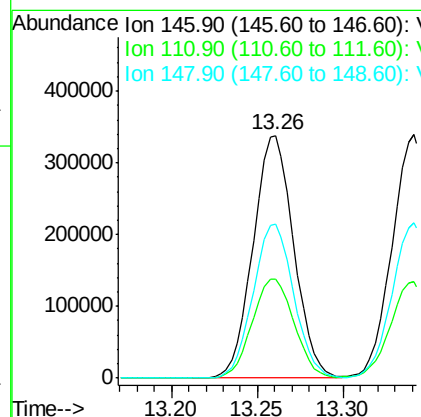
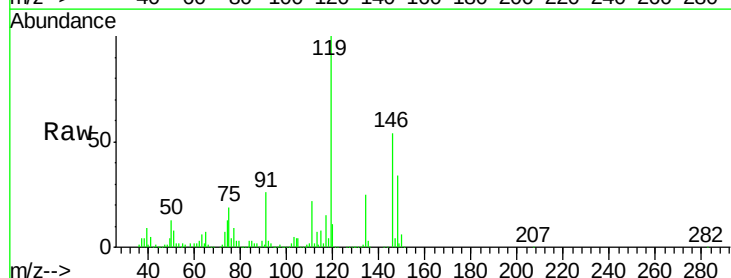
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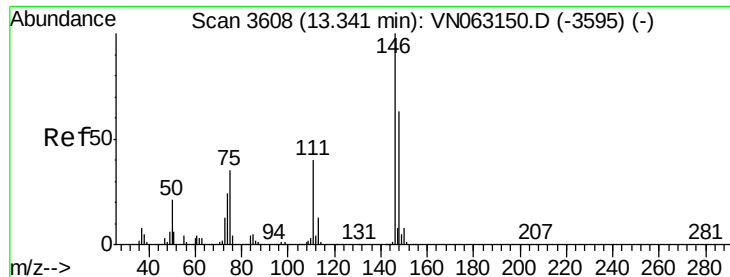
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#87
 1,3-Dichlorobenzene
 Concen: 49.260 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.4	31.9	95.9





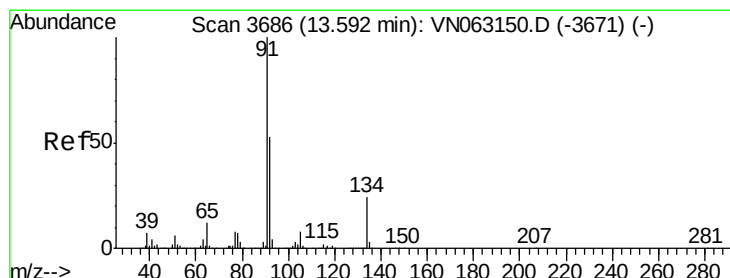
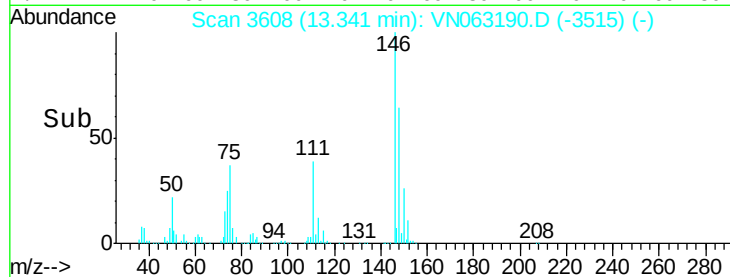
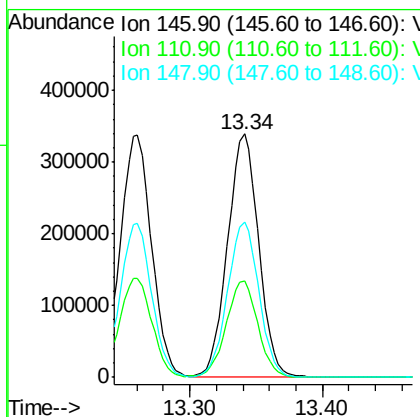
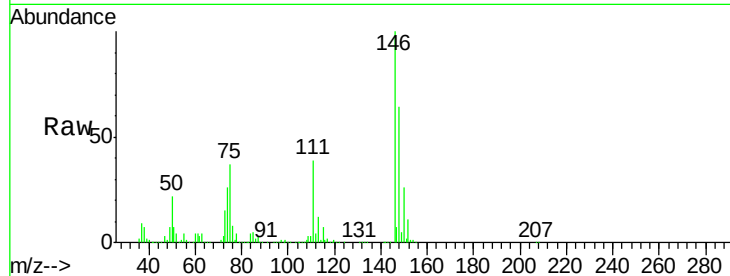
#88
 1,4-Dichlorobenzene
 Concen: 47.367 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	64.1	31.9	95.7

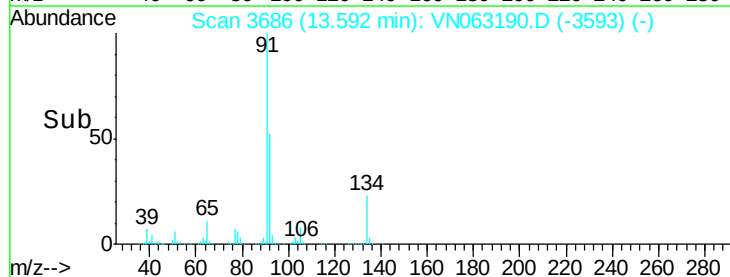
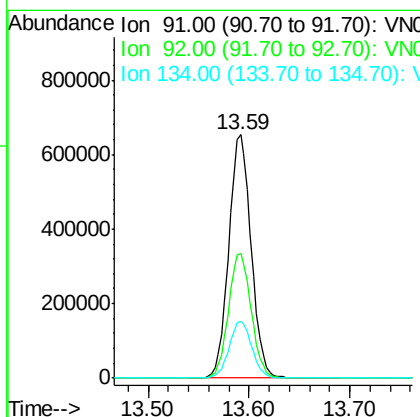
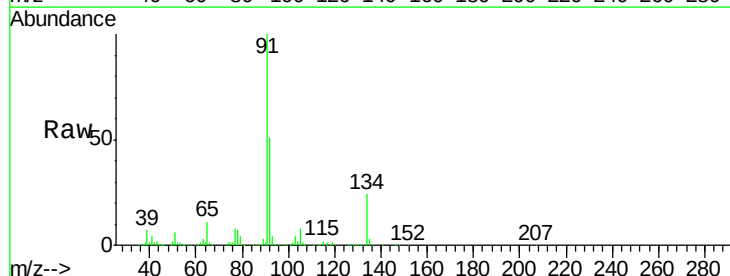
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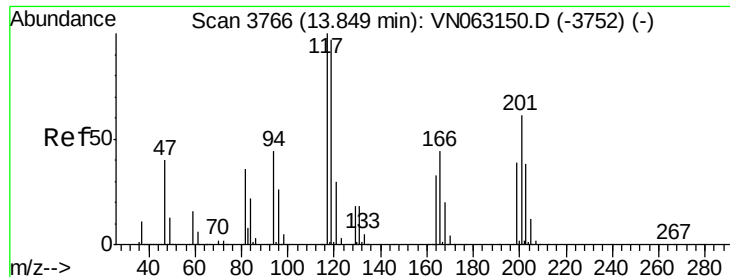
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#89
 n-Butylbenzene
 Concen: 48.951 ug/l
 RT: 13.59 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	23.7	12.0	36.0





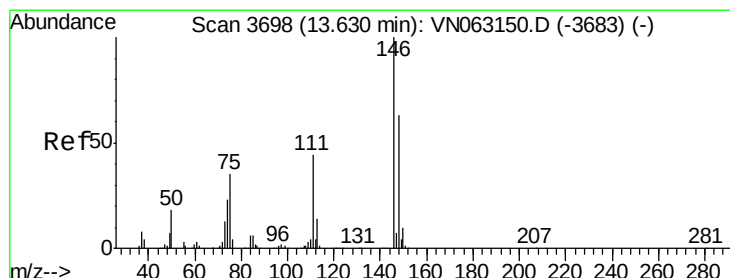
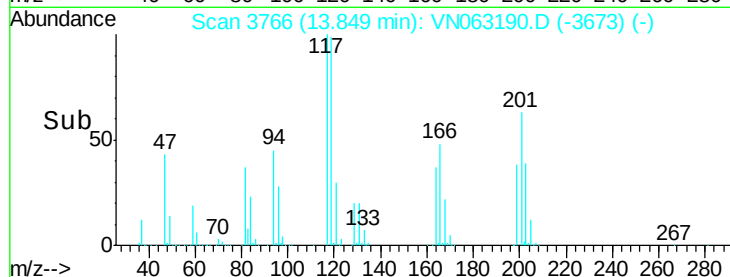
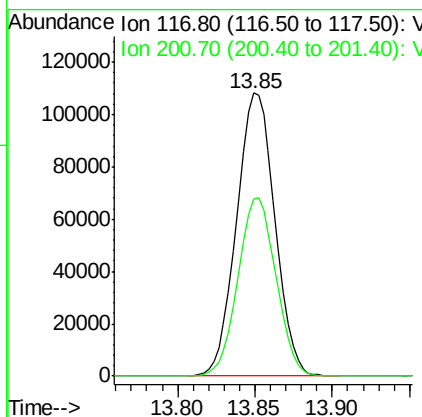
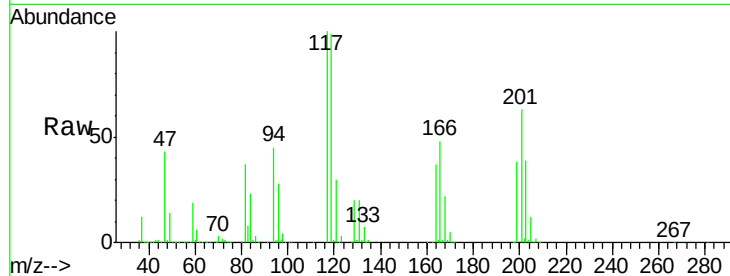
#90
Hexachloroethane
Concen: 45.015 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Lower	Upper
117	100		
201	62.3	30.6	92.0

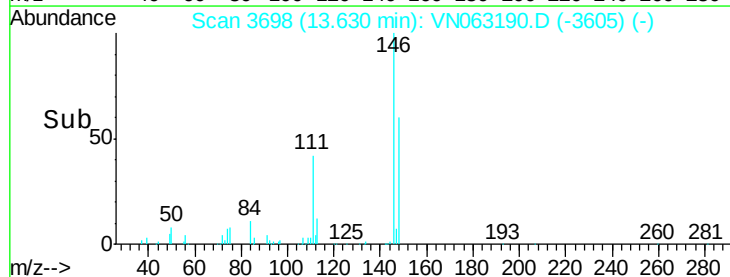
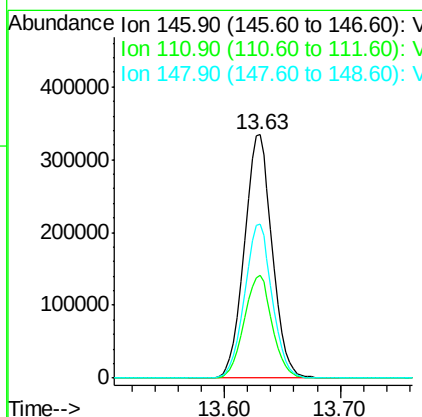
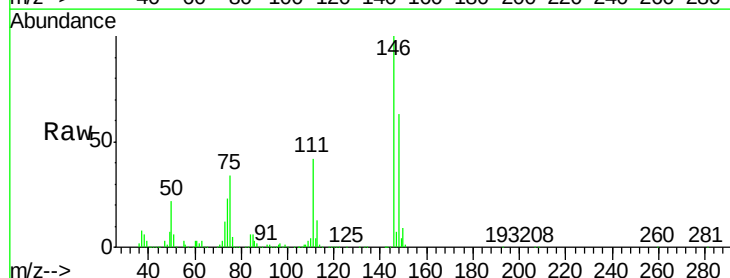
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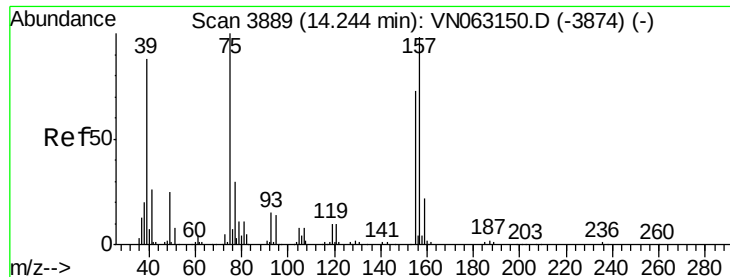
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#91
1,2-Dichlorobenzene
Concen: 51.111 ug/l
RT: 13.63 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN063190.D
Acq: 2 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.0	66.0
148	62.8	31.6	95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.490 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

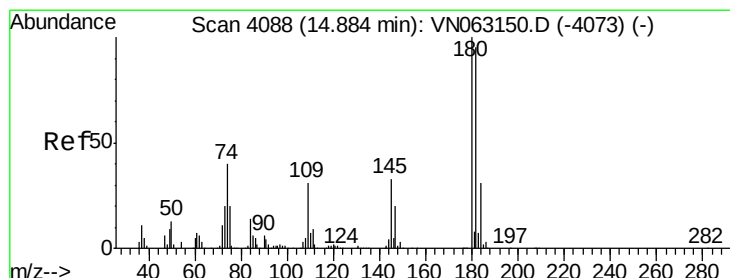
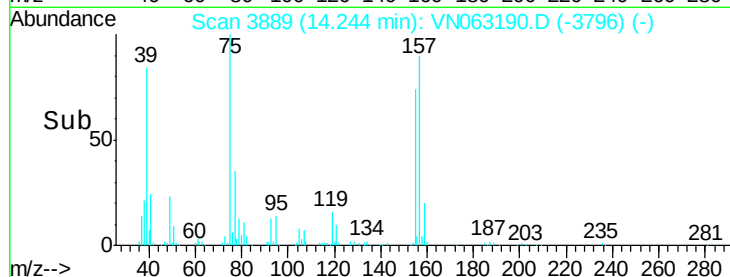
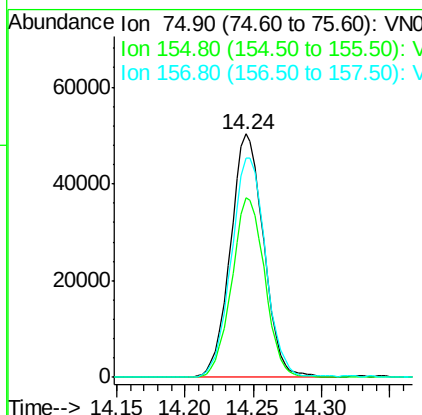
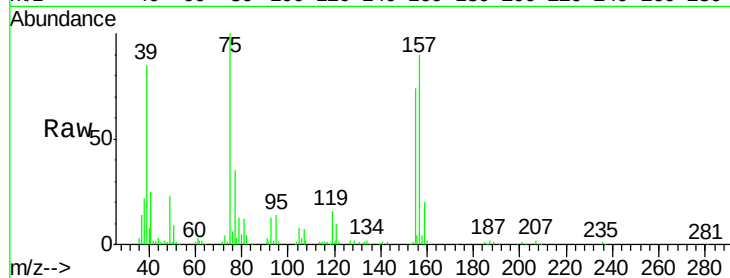
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	75	Resp:	85041
Ion Ratio	Lower	Upper	
75	100		
155	73.2	36.1	108.5
157	93.0	48.4	145.0

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#93

1,2,4-Trichlorobenzene

Concen: 48.037 ug/l

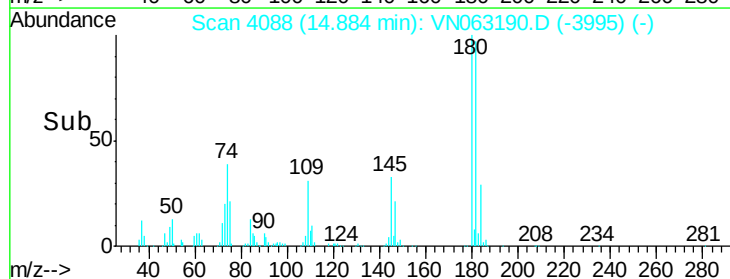
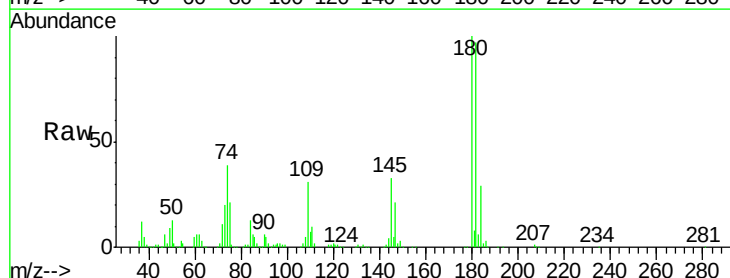
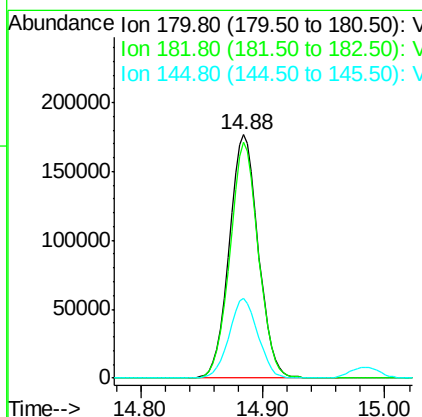
RT: 14.88 min Scan# 4088

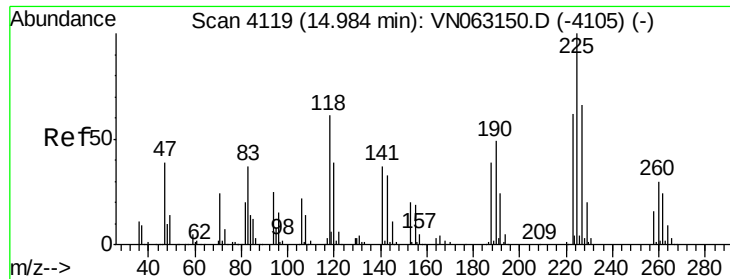
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	180	Resp:	293341
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.5
145	32.5	16.6	49.8





#94

Hexachlorobutadiene

Concen: 46.222 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Instrument :

MSVOA_N

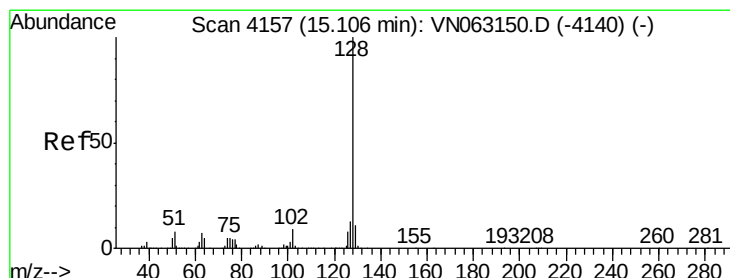
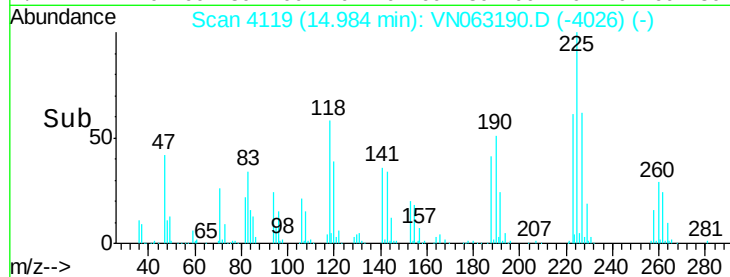
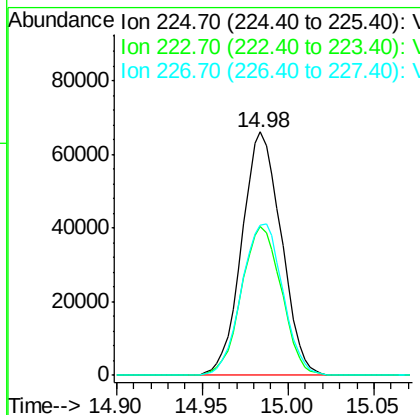
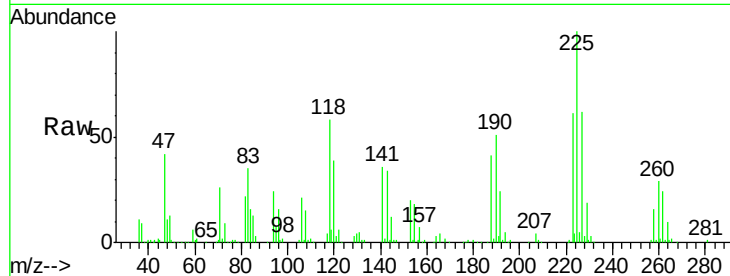
ClientSampleId :

BP-VPB181-GW-783-785MS

Tot Ion:	225	Resp:	105441
Ion Ratio		Lower	Upper
225	100		
223	62.0	30.9	92.7
227	64.7	32.9	98.7

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9/3/2020 9:28:57 AM



#95

Naphthalene

Concen: 47.281 ug/l

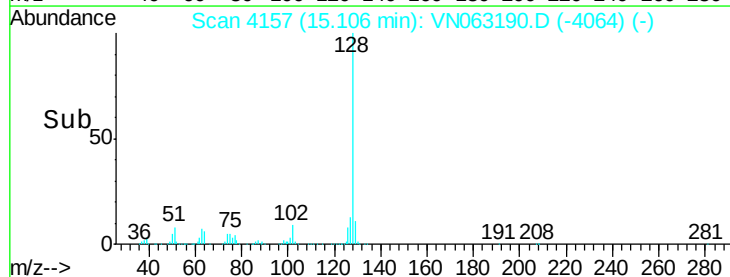
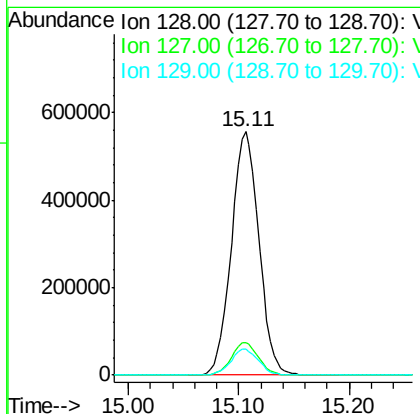
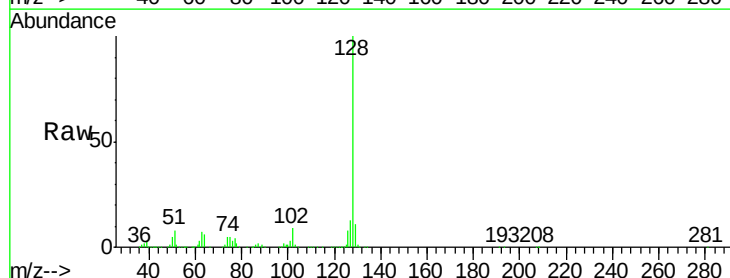
RT: 15.11 min Scan# 4157

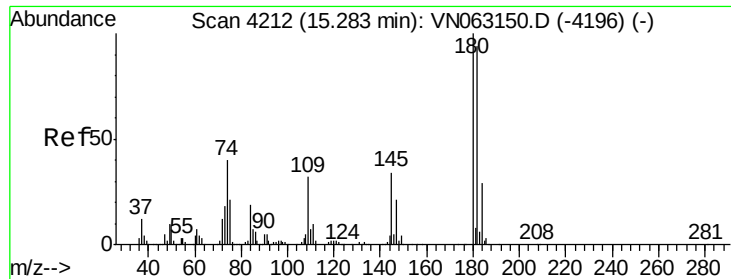
Delta R.T. 0.00 min

Lab File: VN063190.D

Acq: 2 Sep 2020 13:05

Tgt Ion:	128	Resp:	963265
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 47.793 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063190.D
 Acq: 2 Sep 2020 13:05

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

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	47.5	142.5
145	34.5	17.3	52.0

Manual Integrations
 APPROVED

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