

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063123.D
 Acq On : 25 Aug 2020 19:52
 Operator : JC/MD
 Sample : L3783-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:27:14 AM

Quant Time: Aug 26 07:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	134731	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.55	113	101685	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	10.06	98	409320	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.38	95	138126	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	107638	38.327	ug/l	100
3) Chloromethane	2.04	50	127796	43.285	ug/l	99
4) Vinyl Chloride	2.17	62	143131	50.129	ug/l	98
5) Bromomethane	2.54	94	57440	33.893	ug/l	96
6) Chloroethane	2.68	64	85018	50.433	ug/l	99
7) Trichlorofluoromethane	2.99	101	142553	40.035	ug/l	99
8) Diethyl Ether	3.38	74	66463	52.763	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78634	40.983	ug/l	98
10) Methyl Iodide	3.91	142	81516	33.518	ug/l	99
11) Tert butyl alcohol	4.74	59	92789	256.691	ug/l	100
12) 1,1-Dichloroethene	3.70	96	87985	48.138	ug/l	95
13) Acrolein	3.58	56	3021	26.677	ug/l	93
14) Allyl chloride	4.28	41	123423	38.298	ug/l	98
15) Acrylonitrile	4.94	53	272132	256.133	ug/l	99
16) Acetone	3.78	43	231664	291.758	ug/l	98
17) Carbon Disulfide	4.01	76	189177	39.521	ug/l	99
18) Methyl Acetate	4.28	43	265980	104.877	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	369229	57.925	ug/l	100
20) Methylene Chloride	4.51	84	107888	47.894	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	92340	48.275	ug/l	99
22) Diisopropyl ether	5.91	45	405001	55.380	ug/l	97
23) Vinyl Acetate	5.85	43	1169603	237.002	ug/l	100
24) 1,1-Dichloroethane	5.80	63	206403	50.507	ug/l	99
25) 2-Butanone	6.79	43	360383	265.991	ug/l	98
26) 2,2-Dichloropropane	6.78	77	132671	41.281	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	120220	50.144	ug/l	99
28) Bromochloromethane	7.15	49	103532	48.419	ug/l	98
29) Tetrahydrofuran	7.17	42	236016	269.907	ug/l	99
30) Chloroform	7.33	83	207620	50.445	ug/l	98
31) Cyclohexane	7.62	56	157075	41.761	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	162951	48.496	ug/l	99
36) 1,1-Dichloropropene	7.75	75	129658	43.467	ug/l	99
37) Ethyl Acetate	6.89	43	131932	47.202	ug/l	99
38) Carbon Tetrachloride	7.73	117	114898	38.153	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136875	34.488	ug/l	98
40) Benzene	8.00	78	440894	46.602	ug/l	100
41) Methacrylonitrile	7.13	41	73835	55.444	ug/l	95
42) 1,2-Dichloroethane	8.09	62	152595	48.036	ug/l	99
43) Isopropyl Acetate	8.13	43	232472	50.204	ug/l	99
44) Trichloroethene	8.81	130	131680	55.955	ug/l	100
45) 1,2-Dichloropropane	9.09	63	129985	47.531	ug/l	98
46) Dibromomethane	9.18	93	74145	46.932	ug/l	99
47) Bromodichloromethane	9.37	83	157484	45.513	ug/l	99
48) Methyl methacrylate	9.17	41	116992	53.398	ug/l	96
49) 1,4-Dioxane	9.17	88	34561	721.179	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	754166	257.667	ug/l	100
52) Toluene	10.13	92	268456	47.039	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	164266	45.906	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	183248	46.683	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	112762	46.208	ug/l	98
56) Ethyl methacrylate	10.40	69	187030	49.636	ug/l	100
57) 1,3-Dichloropropane	10.68	76	189690	46.811	ug/l	99
59) 2-Hexanone	10.72	43	542186	265.571	ug/l	100
60) Dibromochloromethane	10.88	129	113239	41.931	ug/l	100
61) 1,2-Dibromoethane	10.98	107	109061	46.512	ug/l	99
64) Tetrachloroethene	10.61	164	151430	78.547	ug/l	98
65) Chlorobenzene	11.41	112	280311	47.589	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	94394	41.201	ug/l	100
67) Ethyl Benzene	11.49	91	492938	49.528	ug/l	99
68) m/p-Xylenes	11.60	106	372961	100.824	ug/l	99
69) o-Xylene	11.92	106	183926	51.778	ug/l	99
70) Stvrene	11.94	104	296965	42.430	ug/l	99
71) Bromoform	12.10	173	62700	34.382	ug/l #	100
73) Isopropylbenzene	12.23	105	462420	51.190	ug/l	99
74) N-amyl acetate	12.05	43	209195	64.660	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	131099	44.799	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	123355m	48.109	ug/l	
77) Bromobenzene	12.50	156	123327	49.640	ug/l	99
78) n-propylbenzene	12.57	91	515913	50.106	ug/l	100
79) 2-Chlorotoluene	12.65	91	314914	48.625	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	378640	50.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	46362	49.659	ug/l	98
82) 4-Chlorotoluene	12.75	91	328904	49.875	ug/l	99
83) tert-Butylbenzene	12.97	119	313155	48.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	388324	53.379	ug/l	100
85) sec-Butylbenzene	13.15	105	391892	44.990	ug/l	99
86) p-Isopropyltoluene	13.26	119	363829	47.936	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	205775	48.194	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	207225	47.817	ug/l	99
89) n-Butylbenzene	13.59	91	308828	43.323	ug/l	100
90) Hexachloroethane	13.85	117	26270	16.284	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	207266	50.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	28782	63.265	ug/l	99
93) 1,2,4-Trichlorobenzene	14.89	180	127186	55.120	ug/l	98

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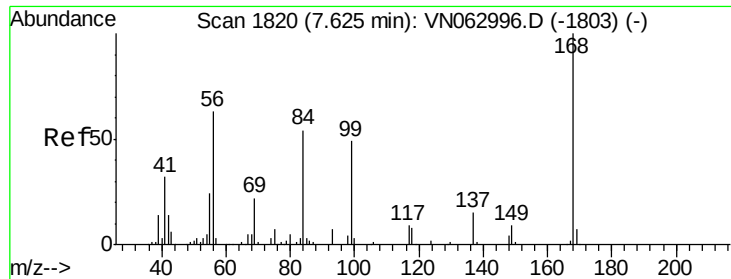
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	44420	29.146	ug/l	99
95) Naphthalene	15.10	128	404899	73.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	127100	56.180	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:168 Resp: 215326

Ion Ratio Lower Upper

168 100

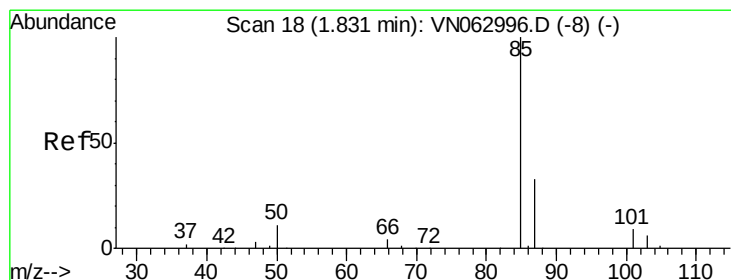
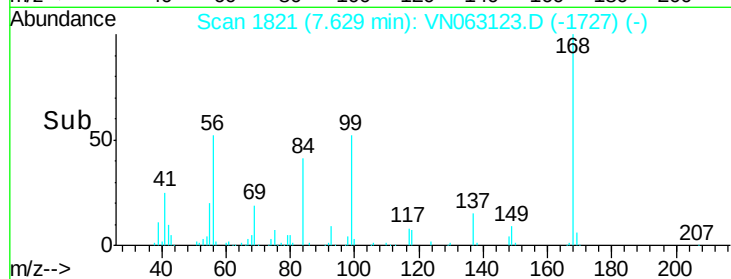
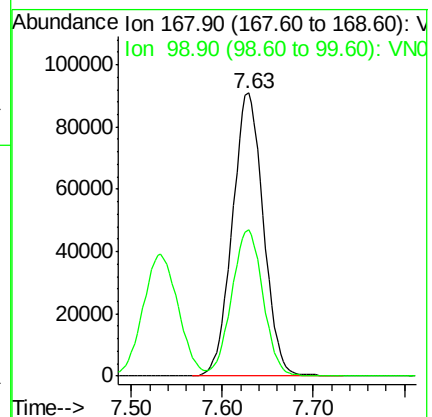
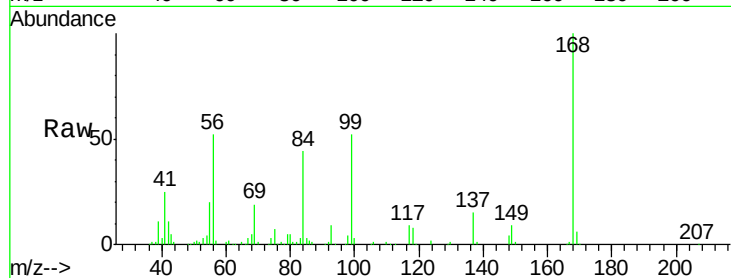
99 51.7 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 38.327 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063123.D

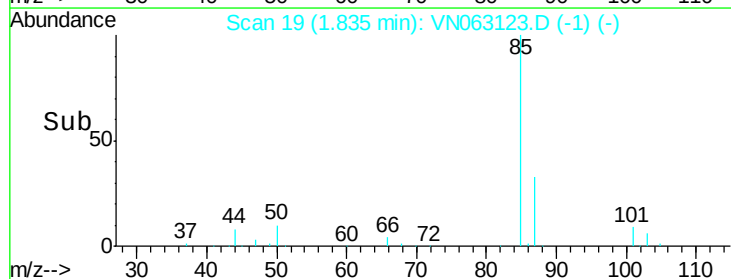
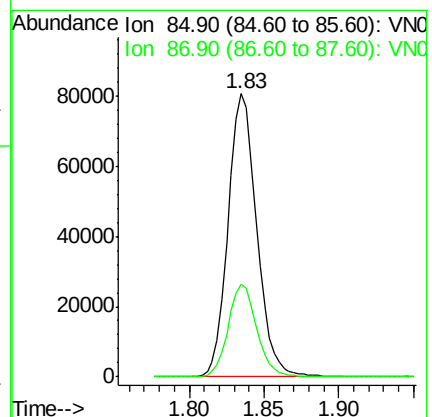
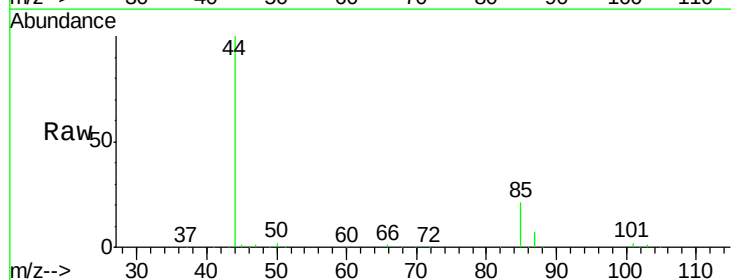
Acq: 25 Aug 2020 19:52

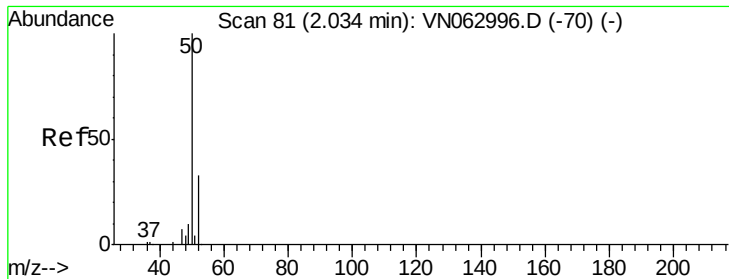
Tgt Ion: 85 Resp: 107638

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4





#3

Chloromethane

Concen: 43.285 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

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ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 50 Resp: 127796

Ion Ratio Lower Upper

50 100

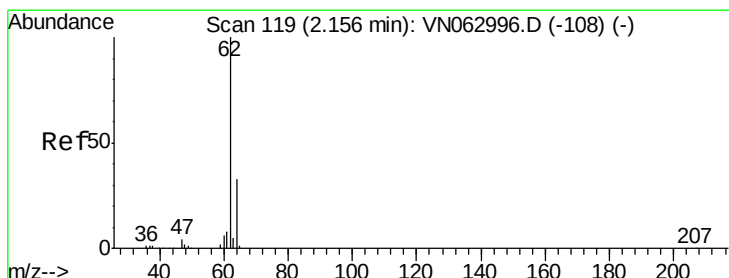
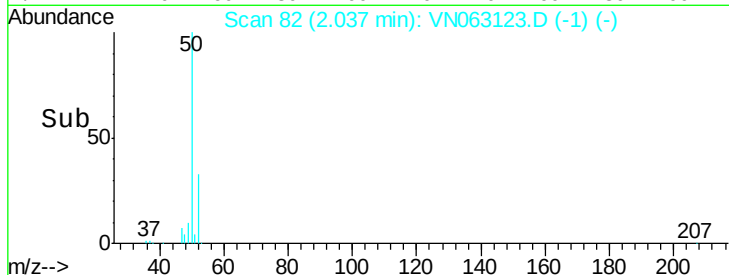
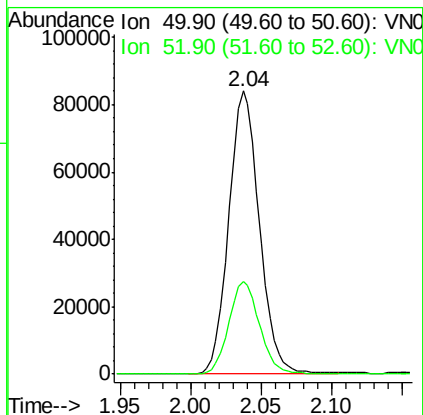
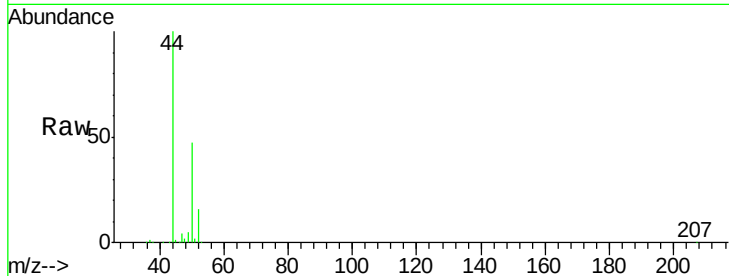
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.129 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN063123.D

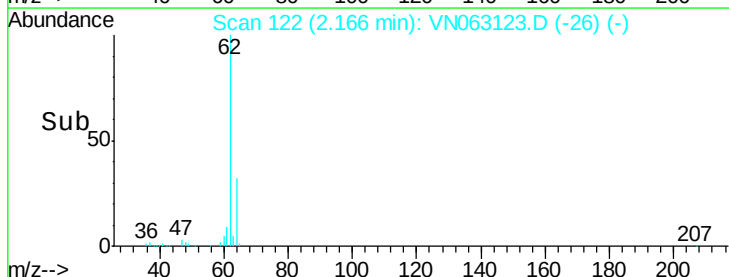
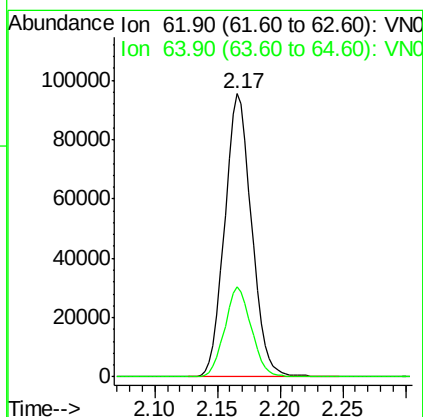
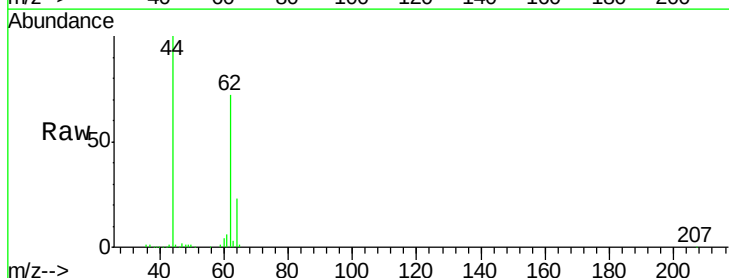
Acq: 25 Aug 2020 19:52

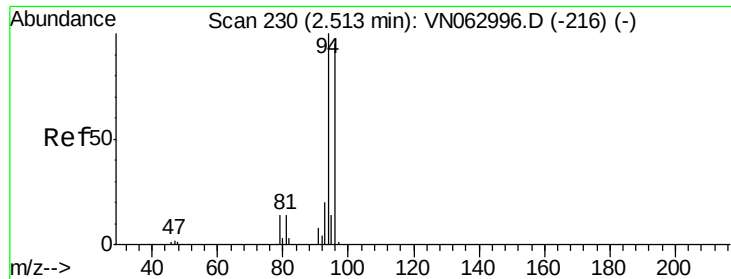
Tgt Ion: 62 Resp: 143131

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 33.893 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.03 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

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Tot Ion: 94 Resp: 57440

Ion Ratio Lower Upper

94 100

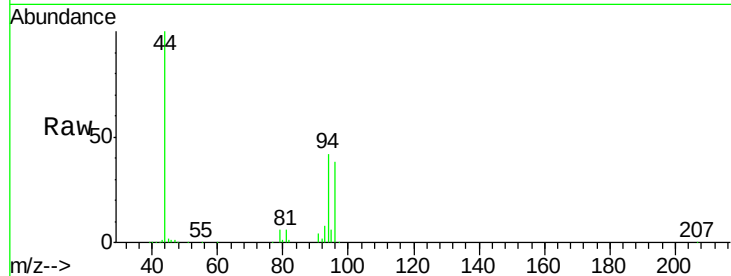
96 90.9 75.8 113.8

Manual Integrations

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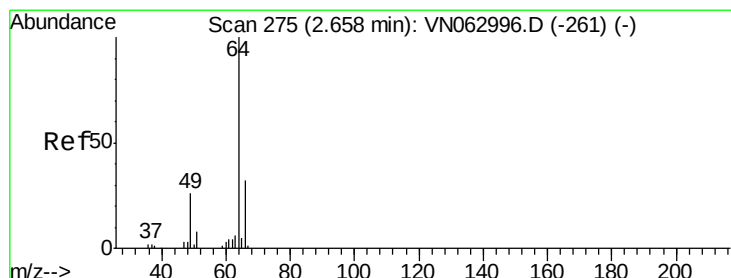
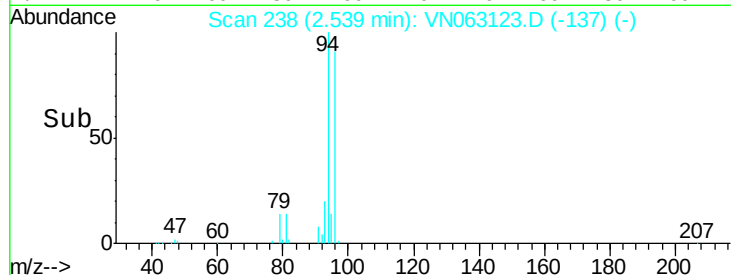
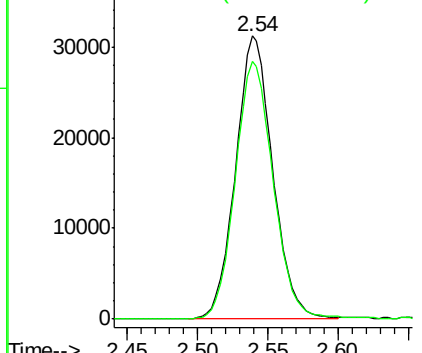
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.433 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.02 min

Lab File: VN063123.D

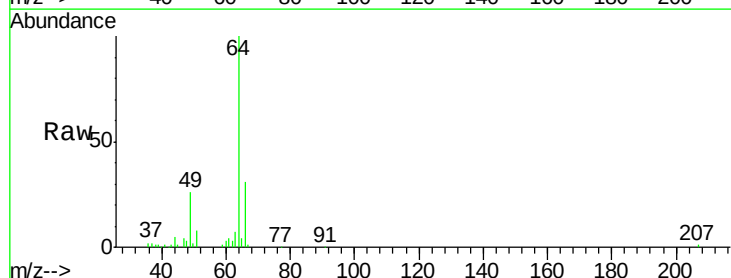
Acq: 25 Aug 2020 19:52

Tgt Ion: 64 Resp: 85018

Ion Ratio Lower Upper

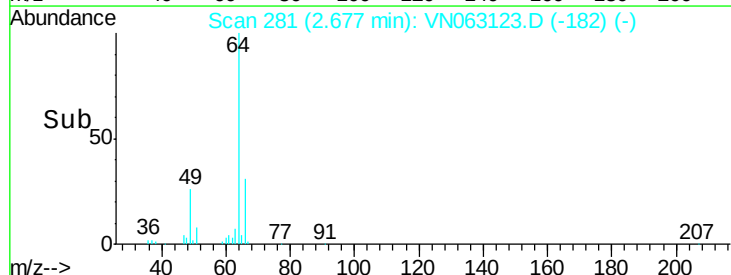
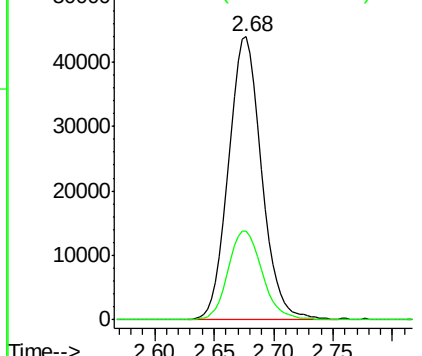
64 100

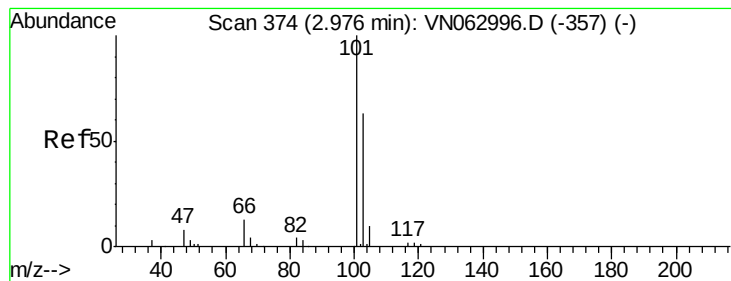
66 31.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

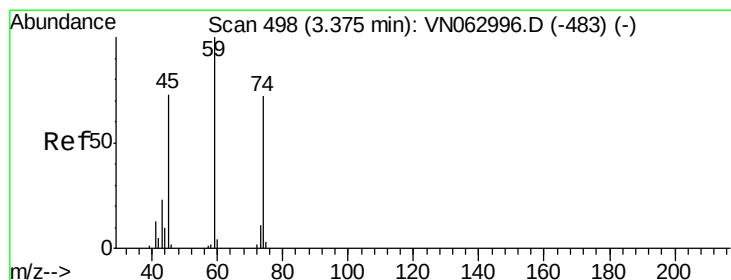
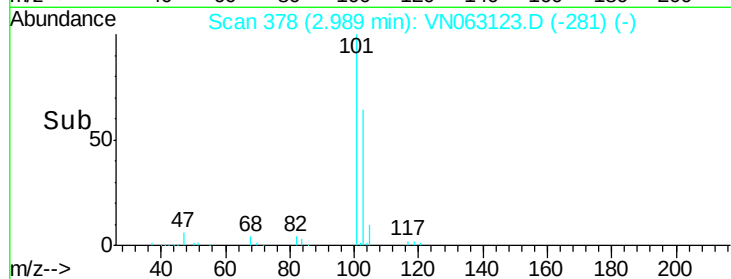
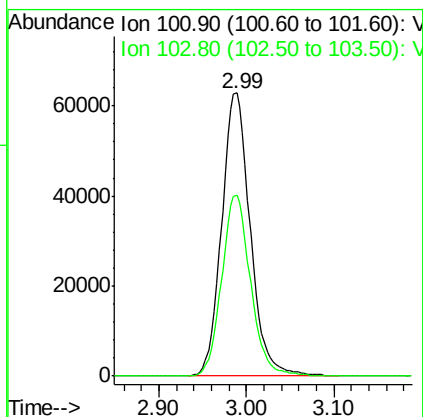
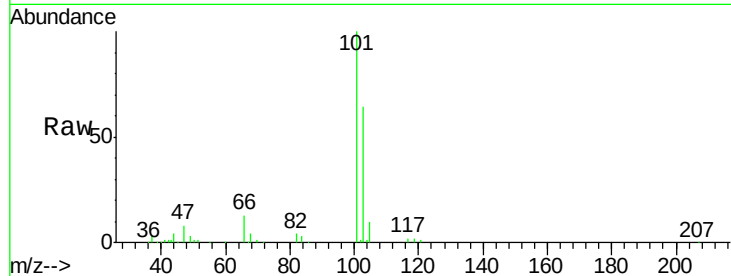
Trichlorofluoromethane
 Concen: 40.035 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VN063123.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	142553		
103	63.8	50.5	75.7	

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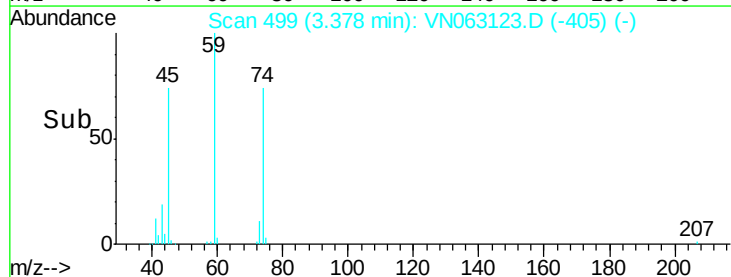
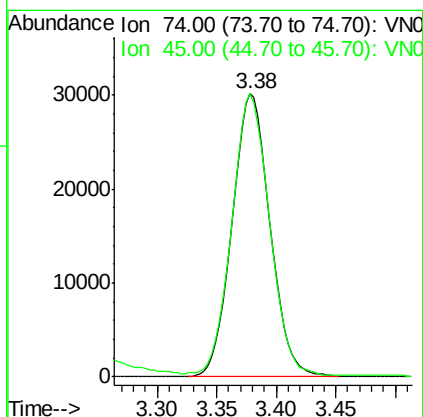
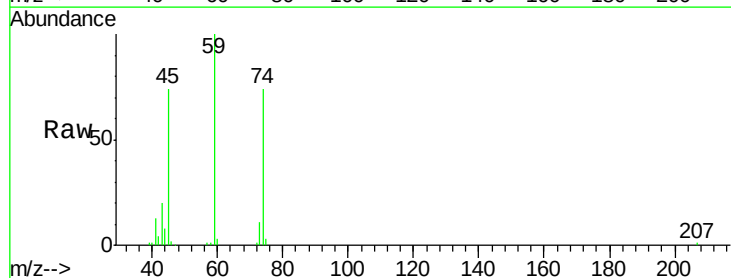
MMDadoda
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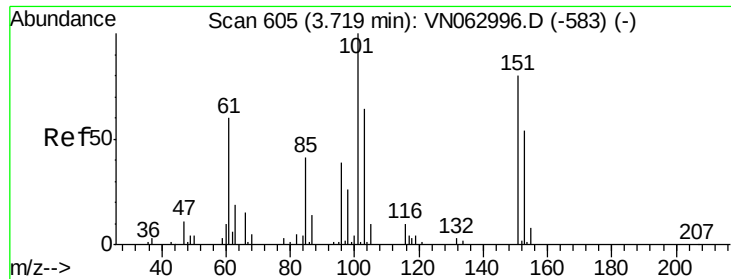


#8

Diethyl Ether
 Concen: 52.763 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66463		
45	99.1	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.983 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN063123.D

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Instrument :

MSVOA_N

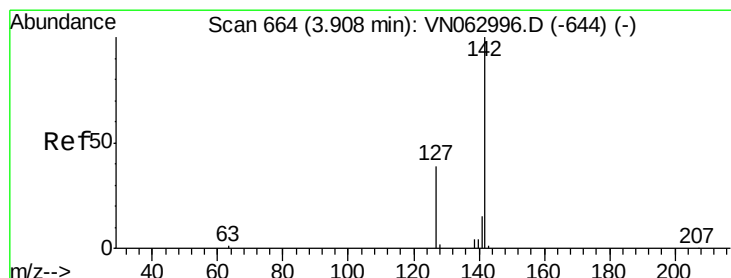
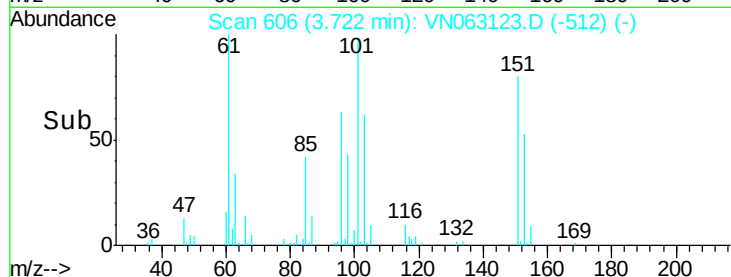
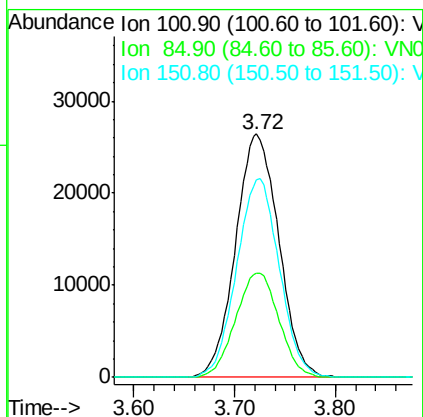
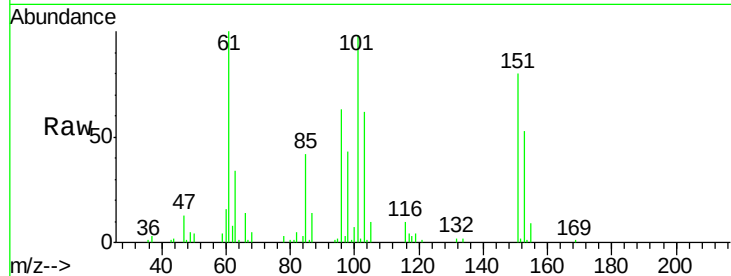
ClientSampleId :

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Tot Ion:	101	Resp:	78634
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.0	51.0
151	80.4	65.8	98.8

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#10

Methyl Iodide

Concen: 33.518 ug/l

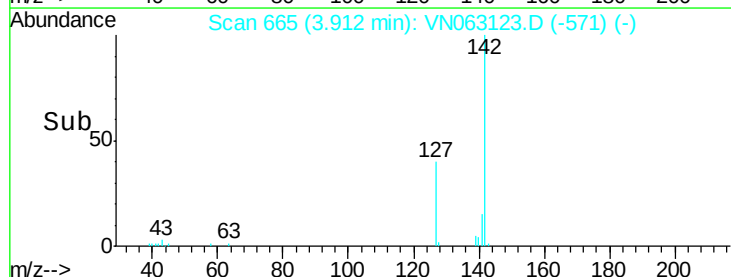
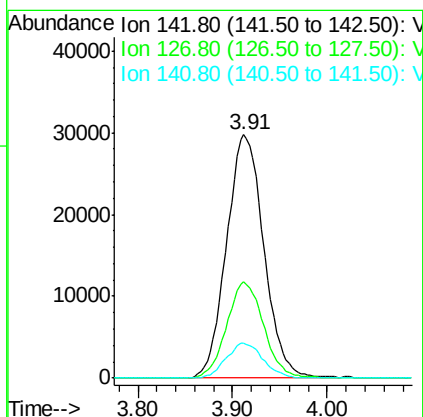
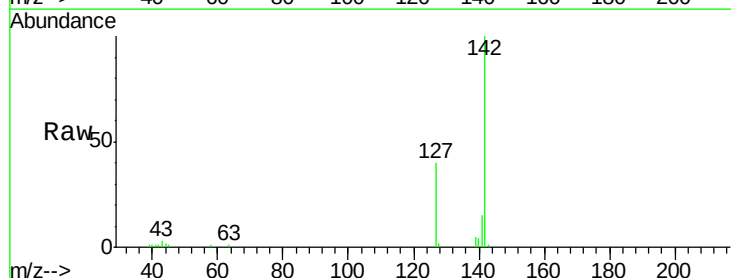
RT: 3.91 min Scan# 665

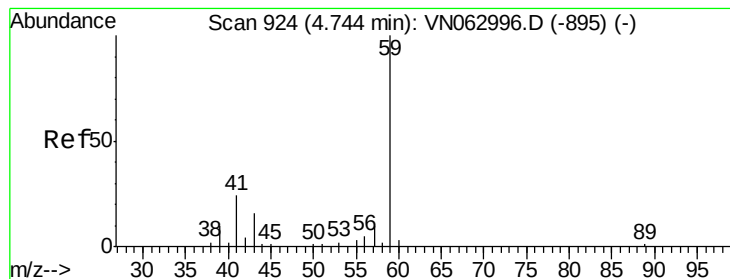
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	142	Resp:	81516
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.2	48.4
141	14.2	11.3	16.9





#11

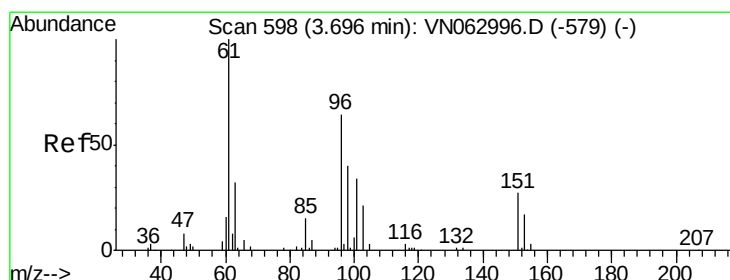
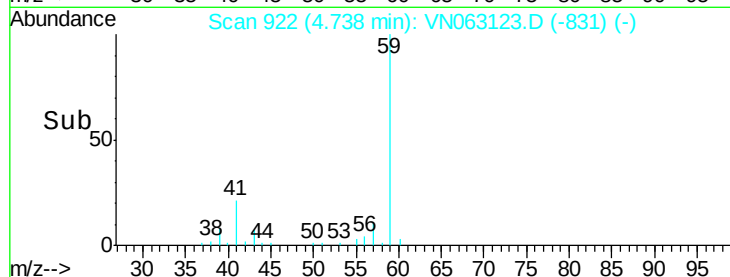
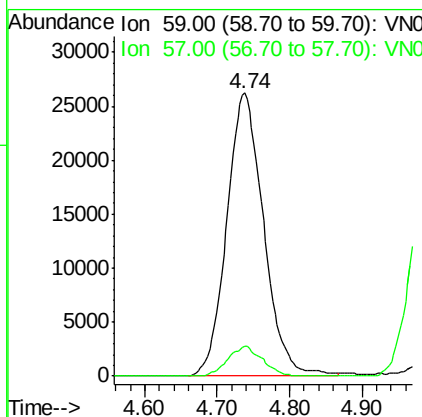
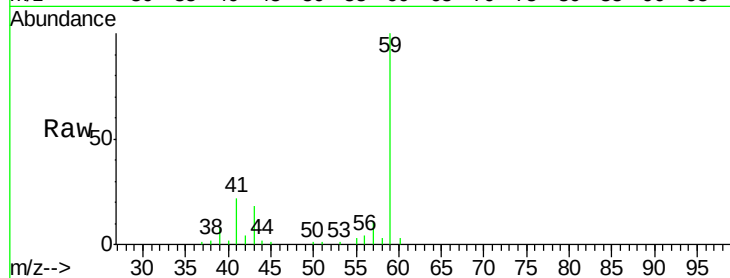
Tert butyl alcohol
Concen: 256.691 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

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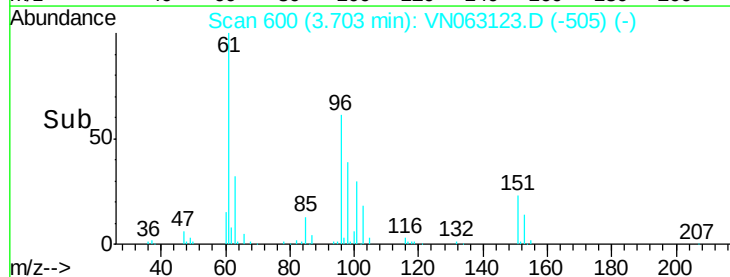
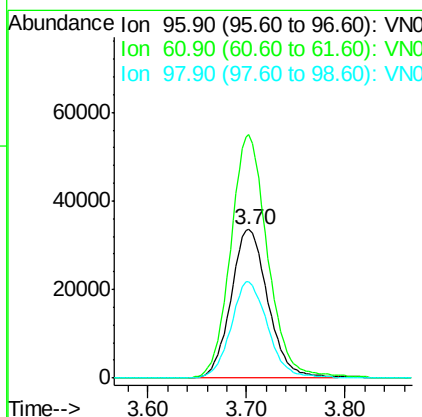
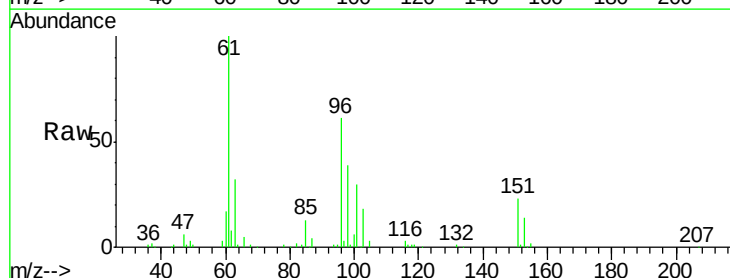
MMDadoda
8/26/2020 11:27:14 AM

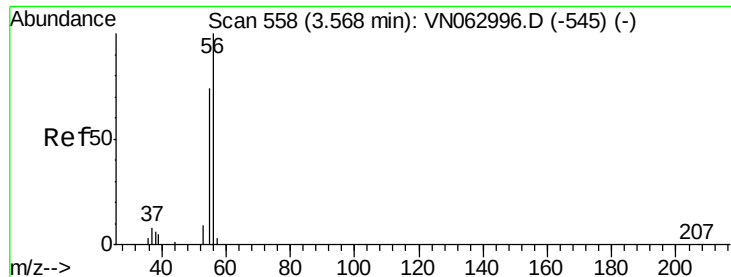


#12

1,1-Dichloroethene
Concen: 48.138 ug/l
RT: 3.70 min Scan# 600
Delta R.T. 0.01 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	125.5	188.3
98	64.8	50.4	75.6





#13

Acrolein

Concen: 26.677 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 56 Resp: 3021

Ion Ratio Lower Upper

56 100

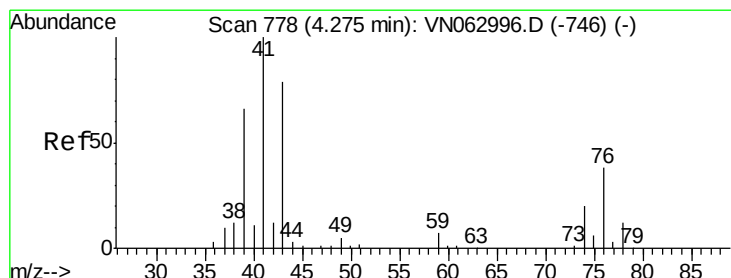
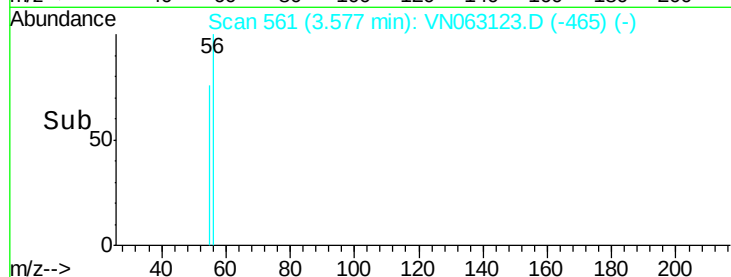
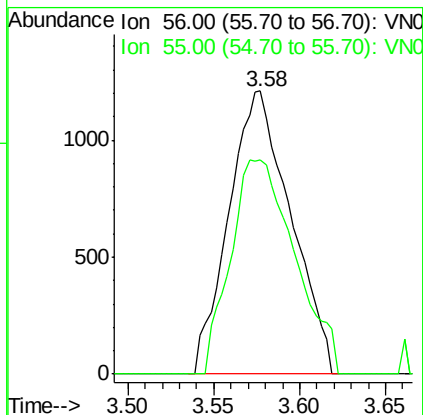
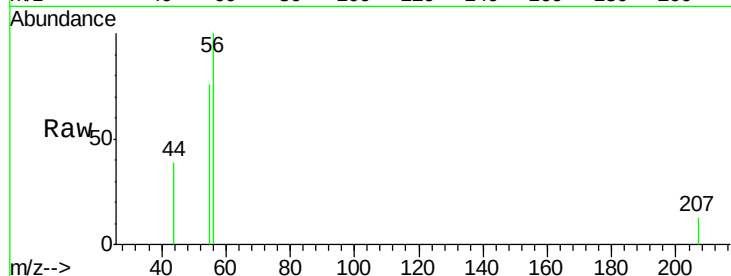
55 78.6 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 38.298 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

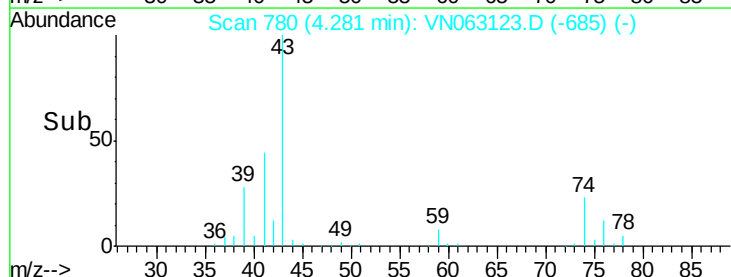
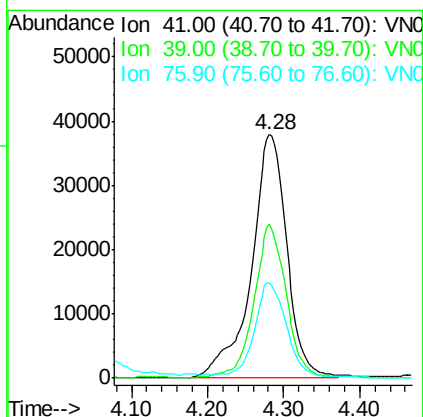
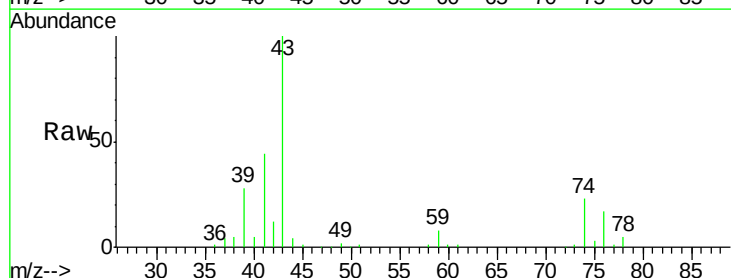
Tgt Ion: 41 Resp: 123423

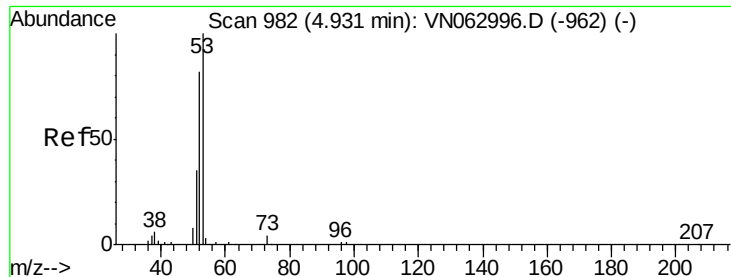
Ion Ratio Lower Upper

41 100

39 57.2 47.9 71.9

76 33.7 27.0 40.6





#15

Acrylonitrile

Concen: 256.133 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

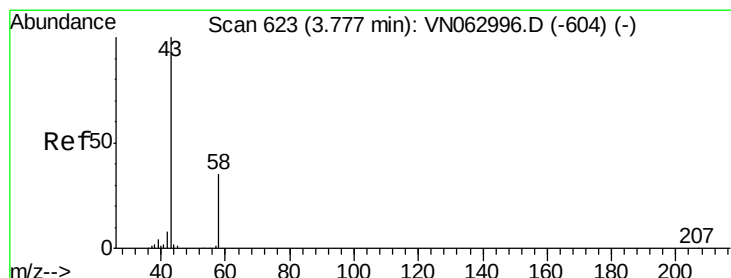
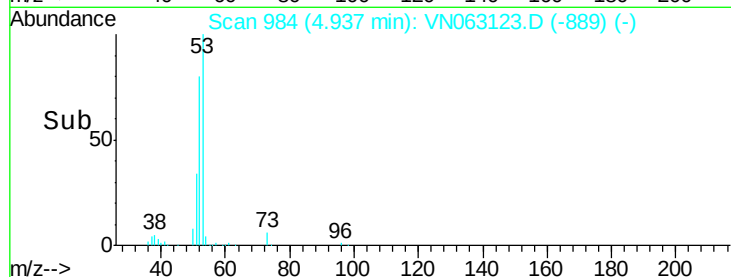
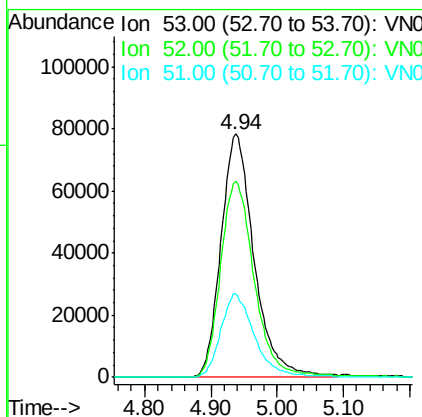
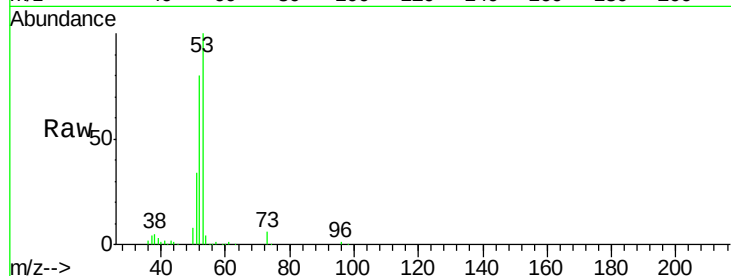
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	53	Resp:	272132
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.6	98.4
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 291.758 ug/l

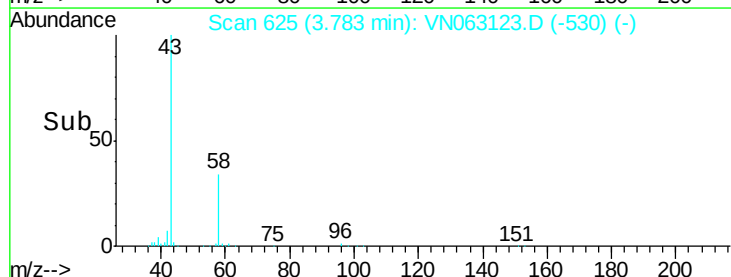
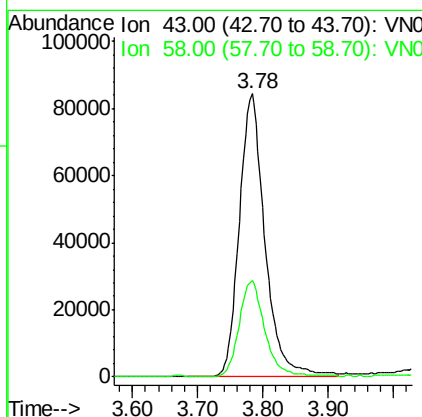
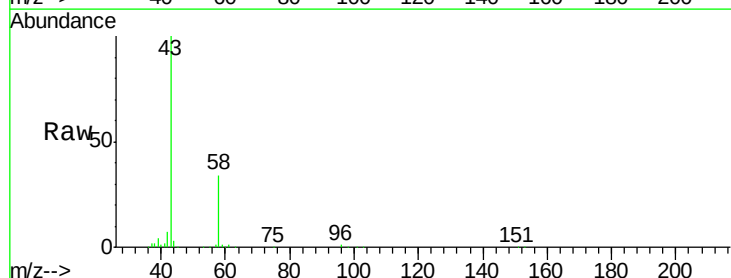
RT: 3.78 min Scan# 625

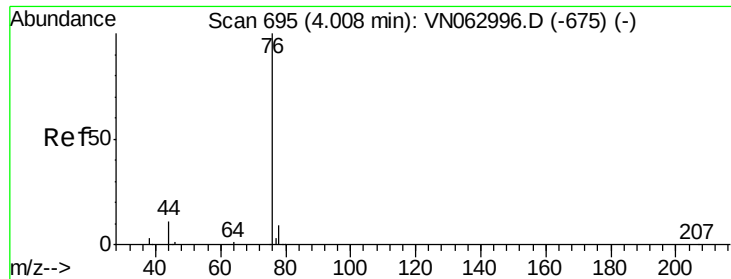
Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	43	Resp:	231664
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.8	41.6





#17

Carbon Disulfide

Concen: 39.521 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

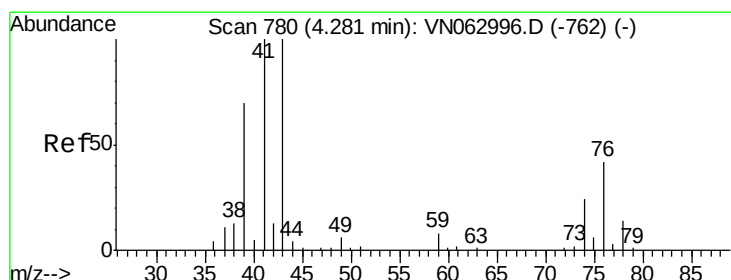
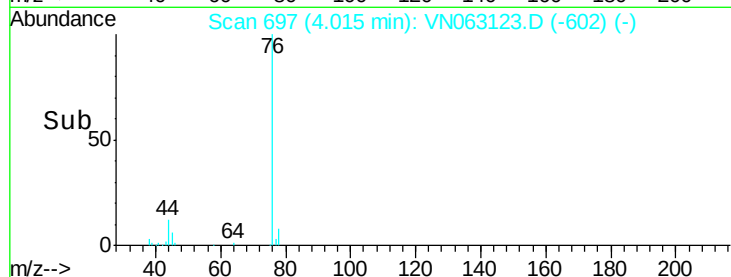
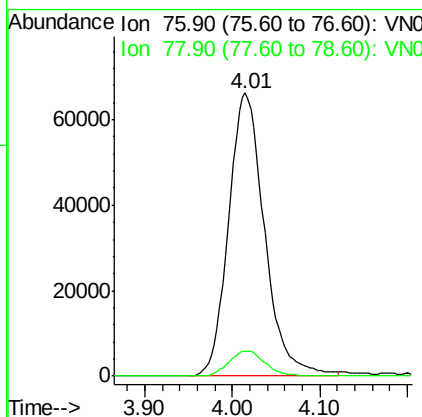
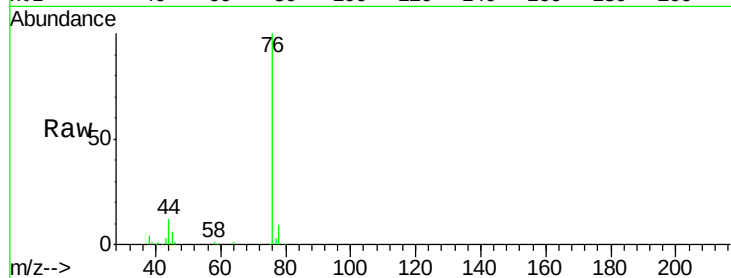
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

Manual Integrations
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#18

Methyl Acetate

Concen: 104.877 ug/l

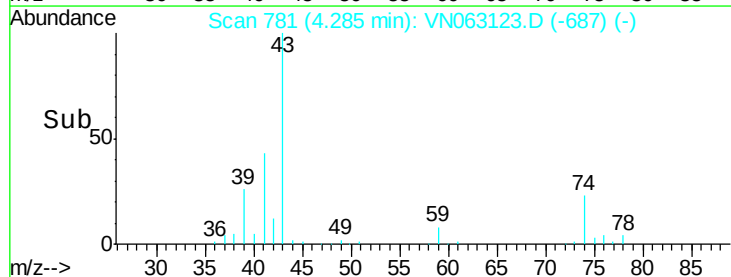
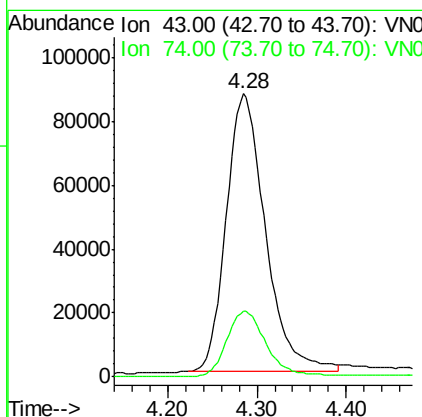
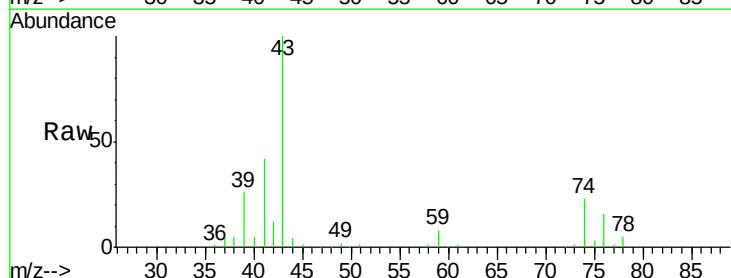
RT: 4.28 min Scan# 781

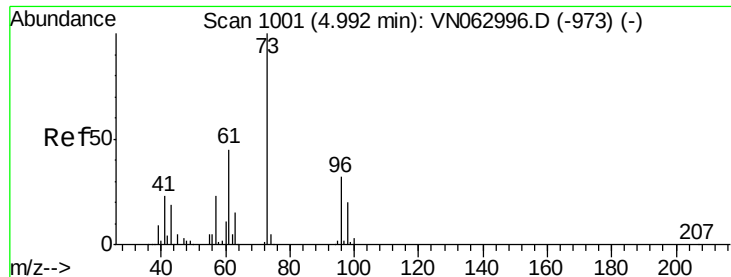
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0





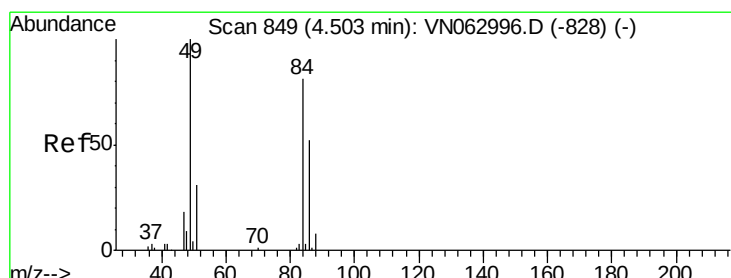
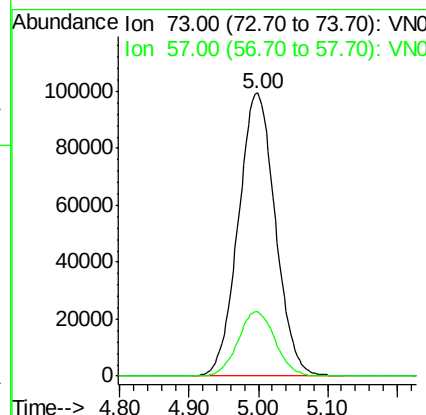
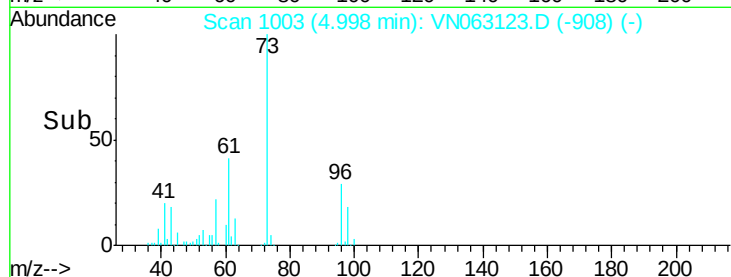
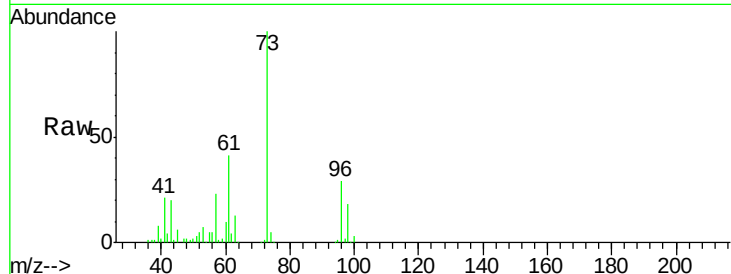
#19
Methyl tert-butyl Ether
Concen: 57.925 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion: 73 Resp: 369229
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1

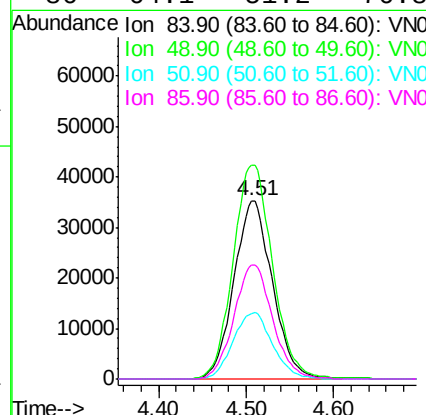
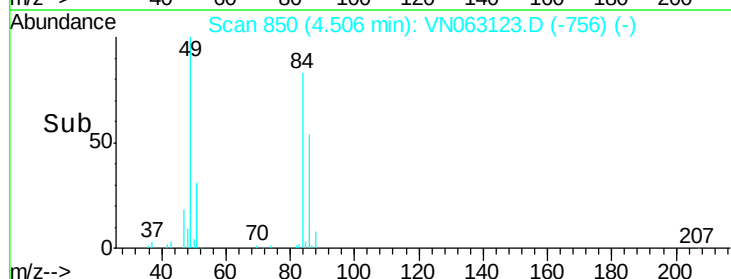
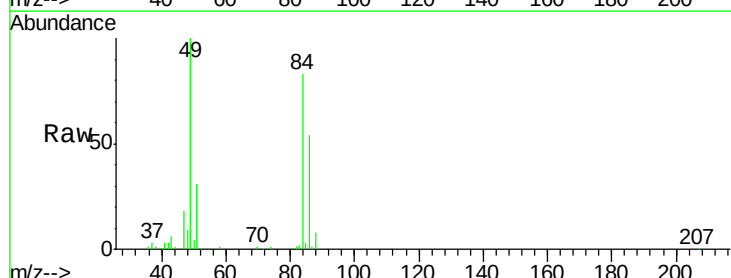
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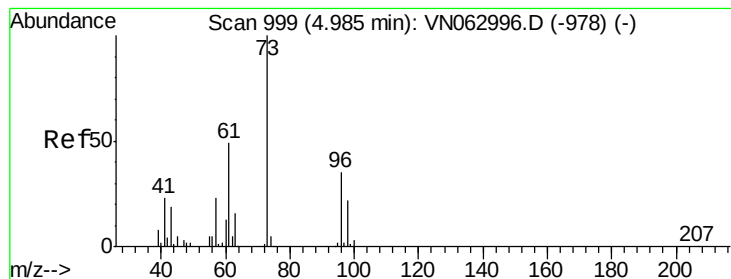
MMDadoda
8/26/2020 11:27:14 AM



#20
Methylene Chloride
Concen: 47.894 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion: 84 Resp: 107888
Ion Ratio Lower Upper
84 100
49 119.8 98.7 148.1
51 36.8 30.8 46.2
86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.275 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

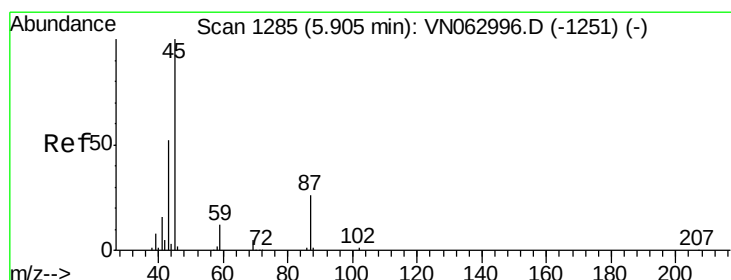
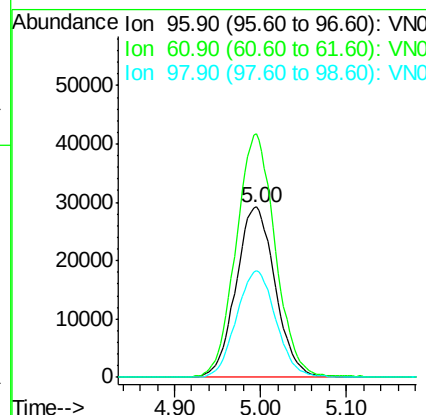
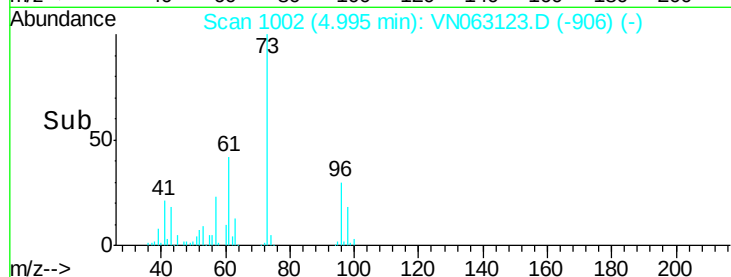
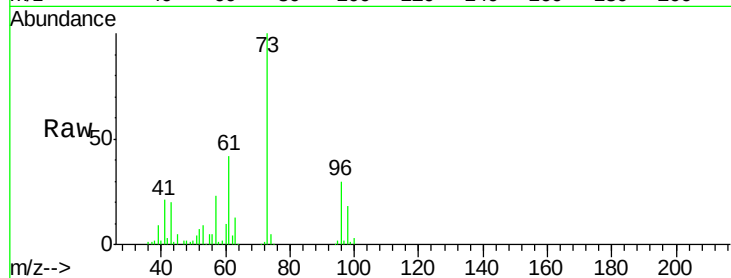
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	96	Resp:	92340
Ion	Ratio	Lower	Upper
96	100		
61	142.2	112.5	168.7
98	62.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 55.380 ug/l

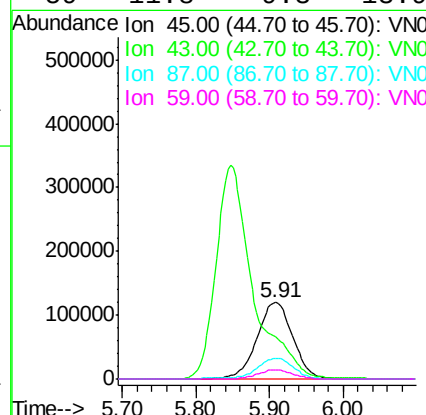
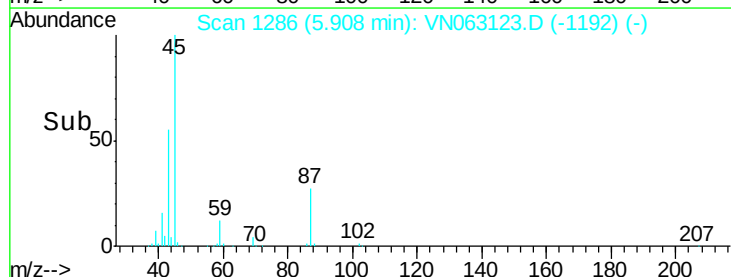
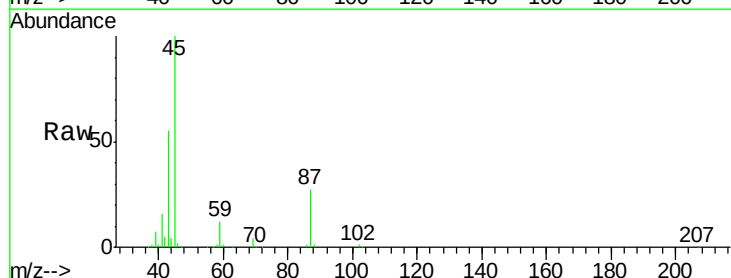
RT: 5.91 min Scan# 1286

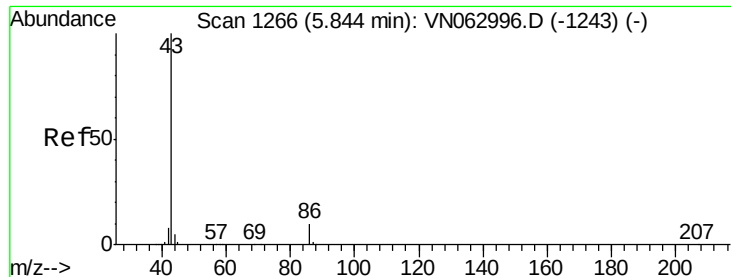
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	45	Resp:	405001
Ion	Ratio	Lower	Upper
45	100		
43	53.5	45.7	68.5
87	27.1	21.8	32.6
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 237.002 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 43 Resp: 1169603

Ion Ratio Lower Upper

43 100

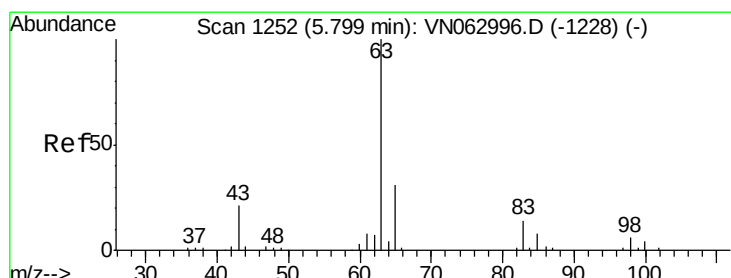
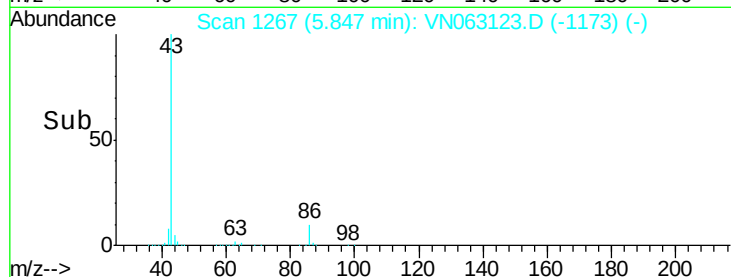
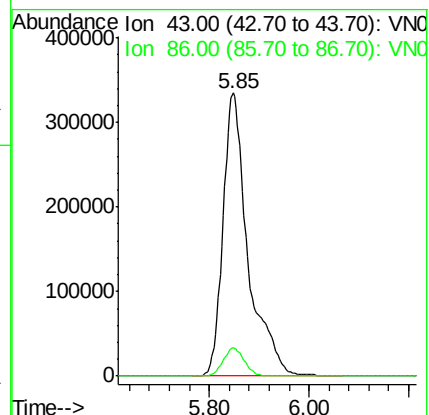
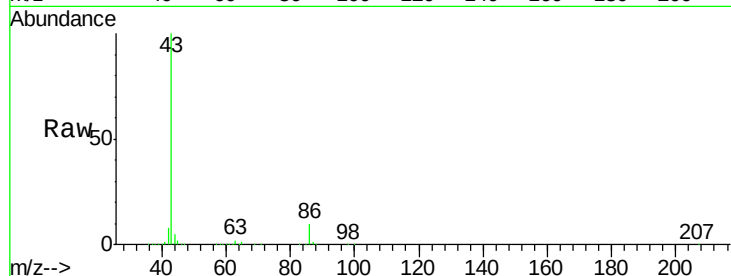
86 10.0 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.507 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

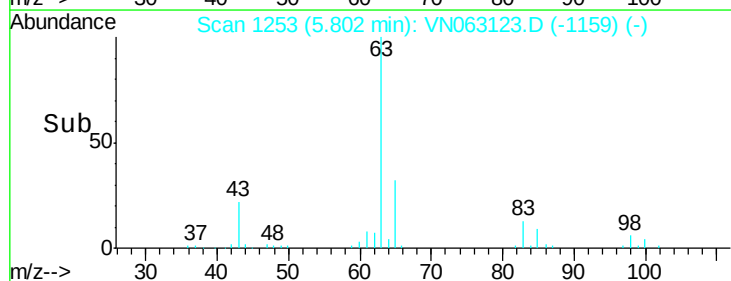
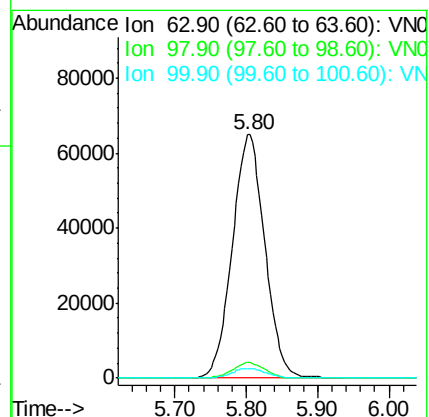
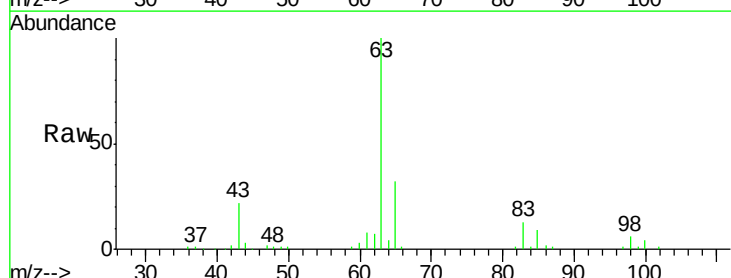
Tgt Ion: 63 Resp: 206403

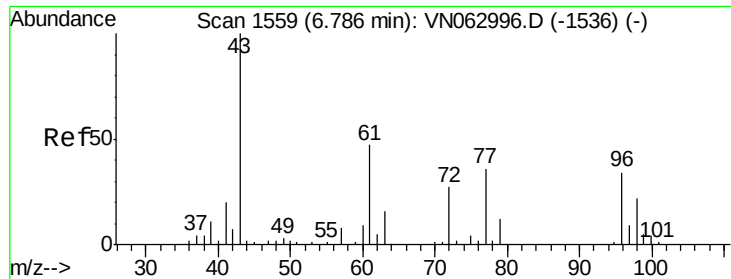
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 265.991 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 43 Resp: 360383

Ion Ratio Lower Upper

43 100

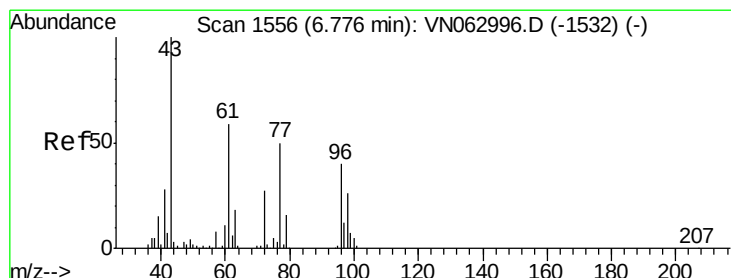
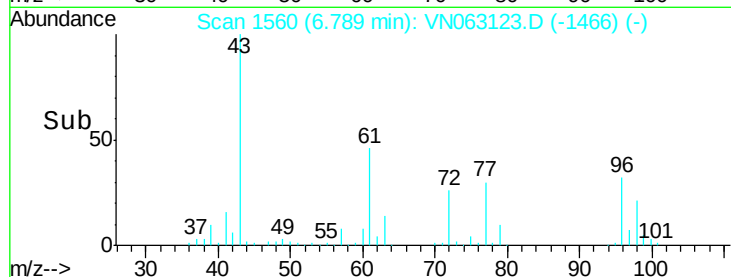
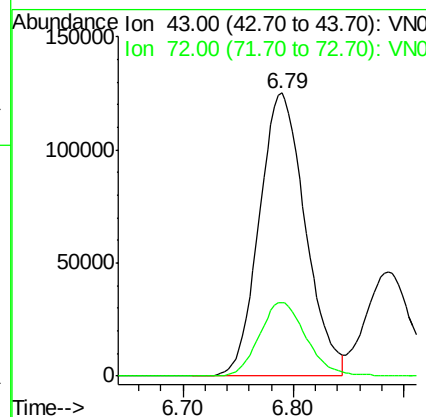
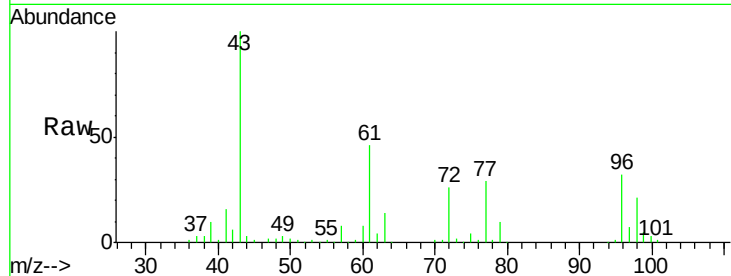
72 26.1 21.8 32.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 41.281 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN063123.D

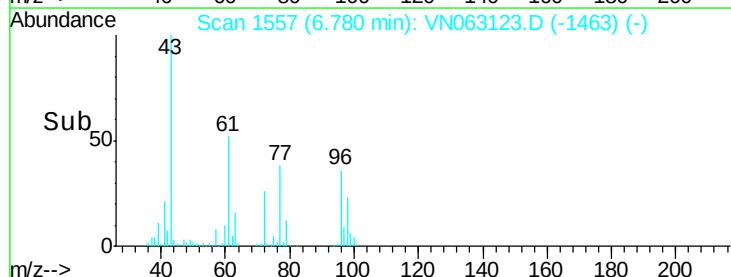
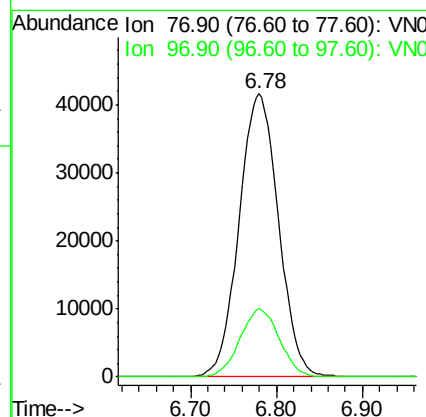
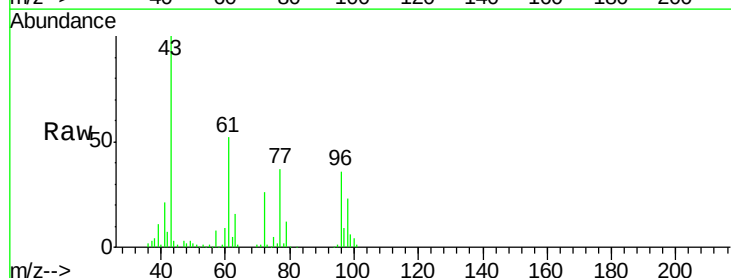
Acq: 25 Aug 2020 19:52

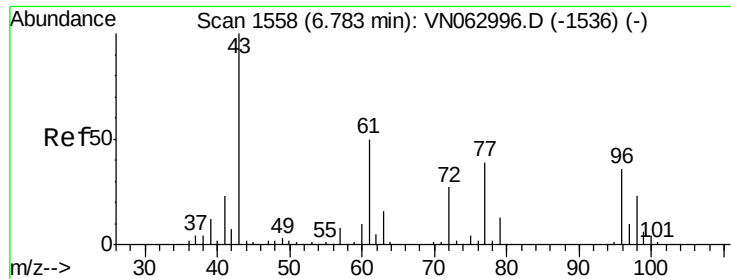
Tgt Ion: 77 Resp: 132671

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1





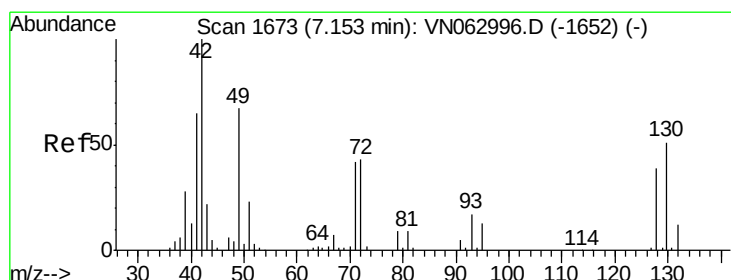
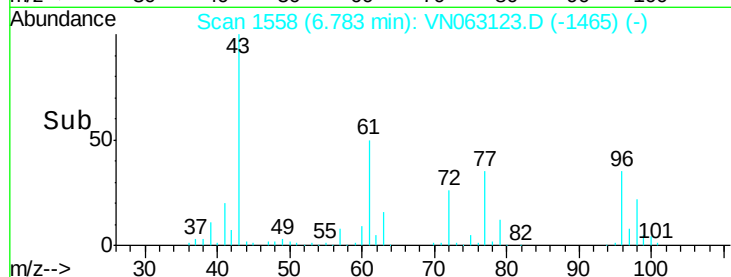
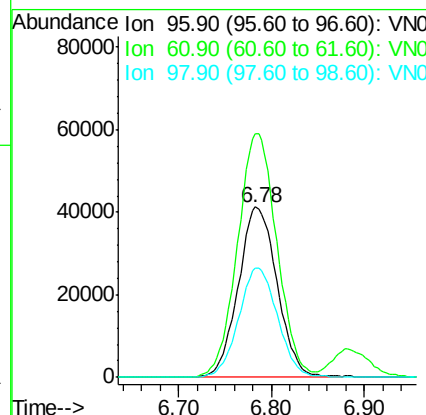
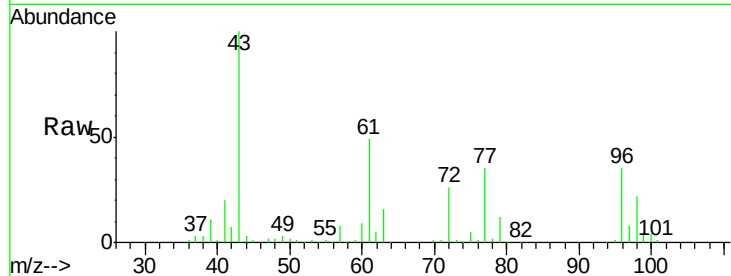
#27
 cis-1,2-Dichloroethene
 Concen: 50.144 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120220		
61	144.5	0.0	292.8	
98	64.3	0.0	130.6	

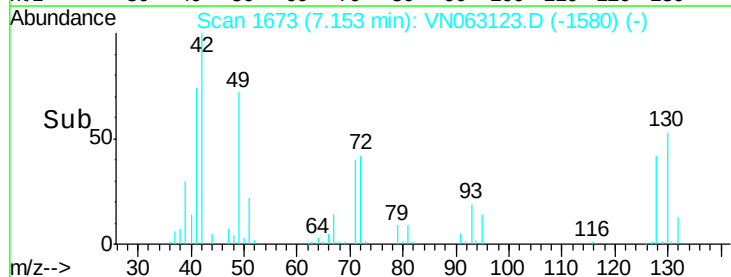
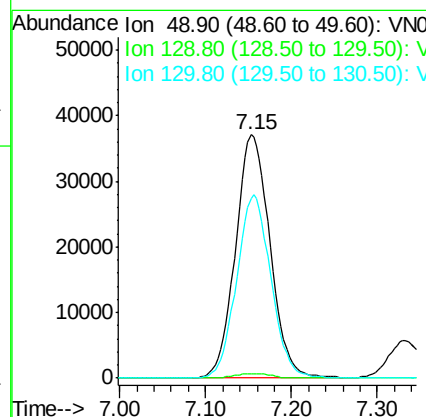
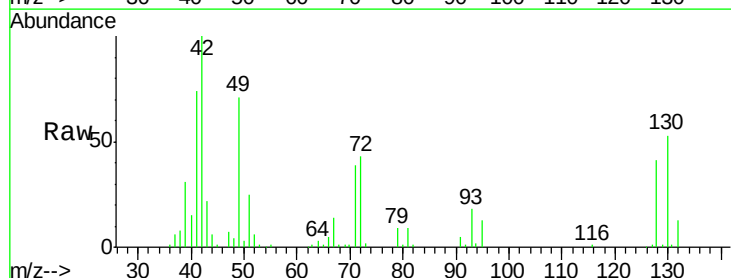
Manual Integrations
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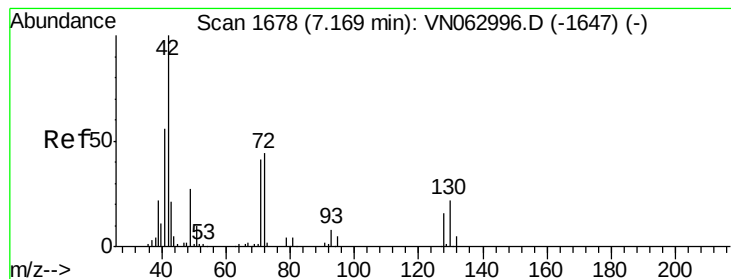
MMDadoda
 8/26/2020 11:27:14 AM



#28
 Bromochloromethane
 Concen: 48.419 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103532		
129	1.8	0.0	3.6	
130	74.8	61.1	91.7	





#29

Tetrahydrofuran

Concen: 269.907 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

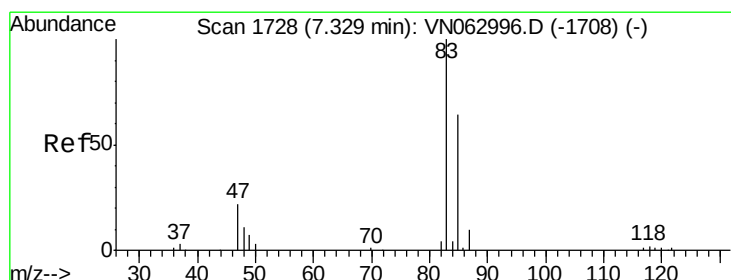
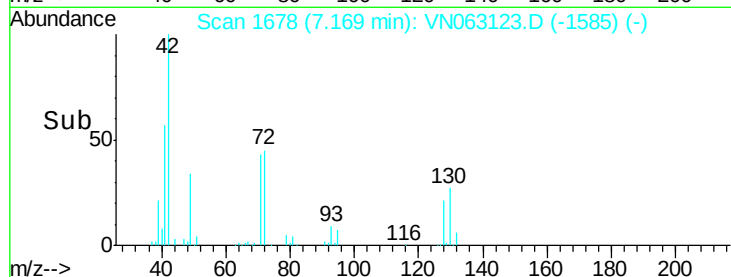
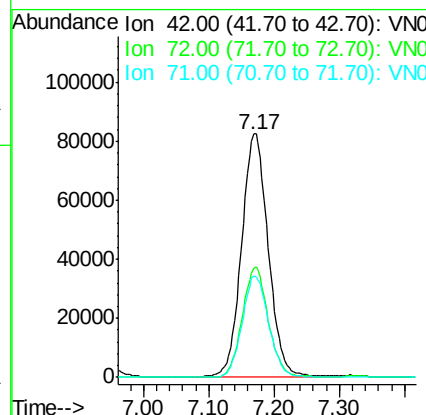
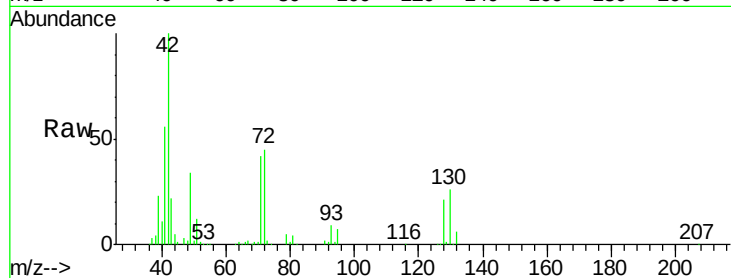
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	42	Resp:	236016
Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	40.9	32.3	48.5

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#30

Chloroform

Concen: 50.445 ug/l

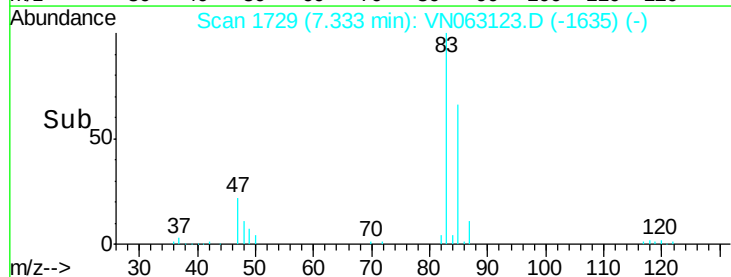
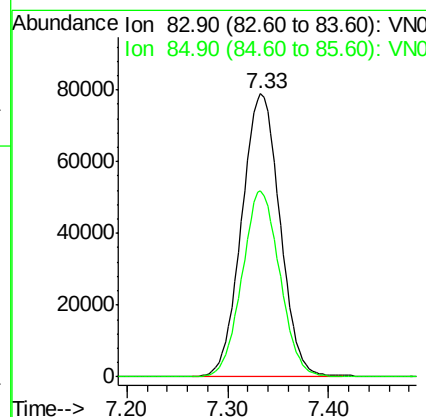
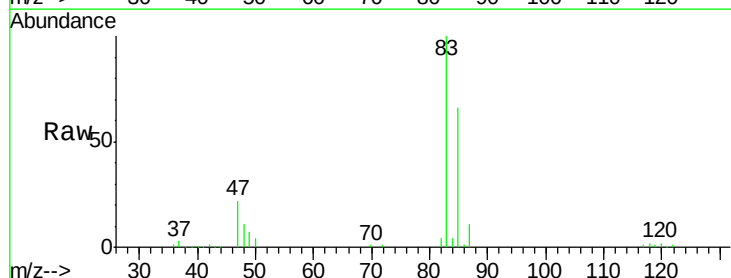
RT: 7.33 min Scan# 1729

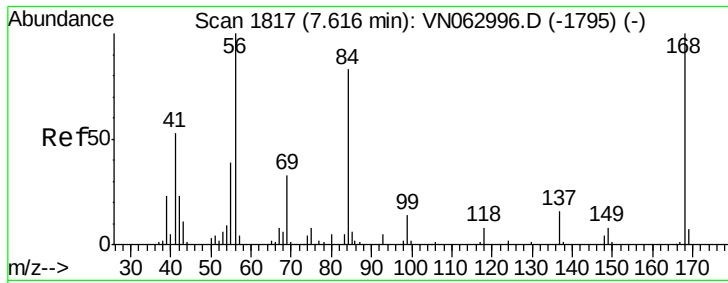
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	83	Resp:	207620
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





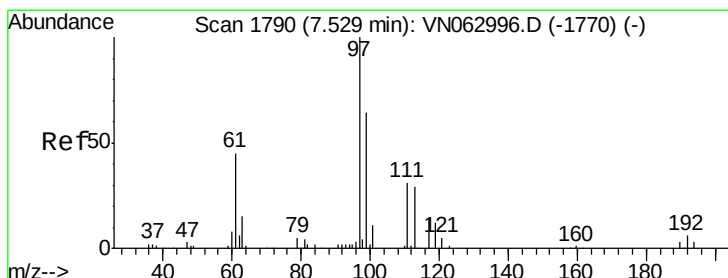
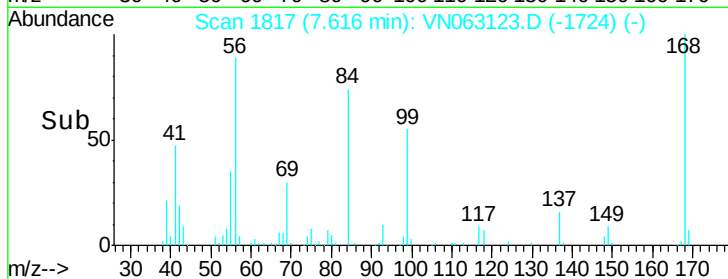
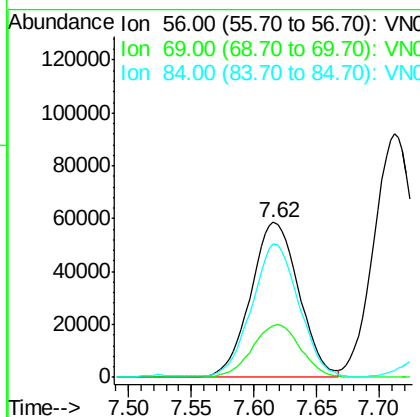
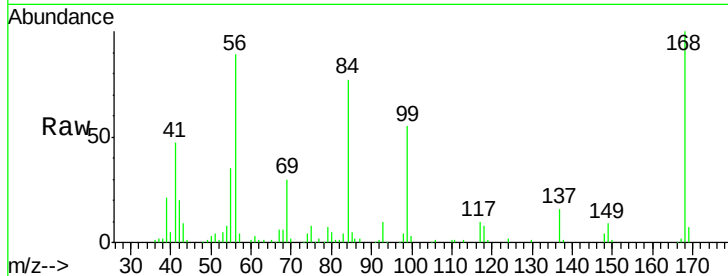
#31
Cyclohexane
Concen: 41.761 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	56	Resp	157075
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	85.0	66.4	99.6

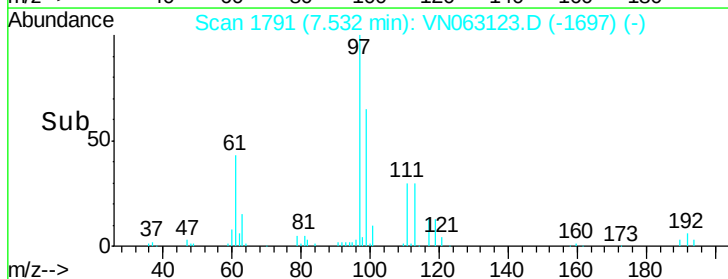
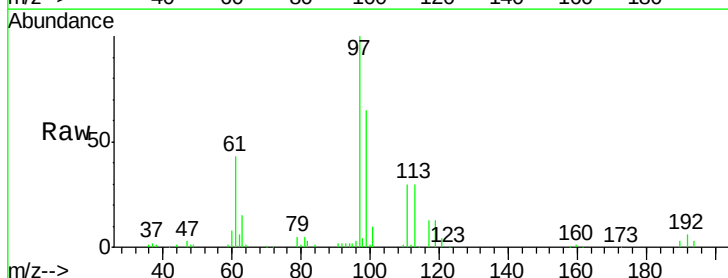
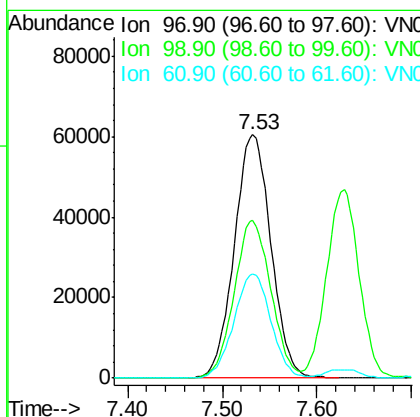
Manual Integrations
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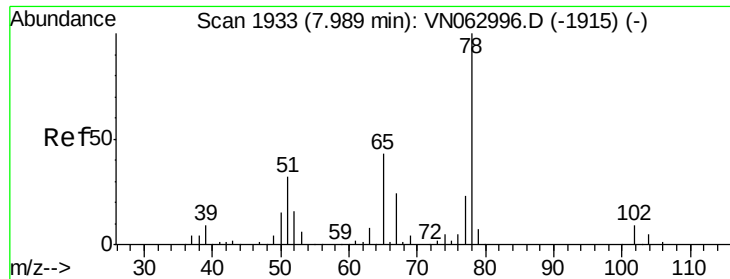
MMDadoda
8/26/2020 11:27:14 AM



#32
1,1,1-Trichloroethane
Concen: 48.496 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	97	Resp	162951
Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	43.3	36.2	54.4





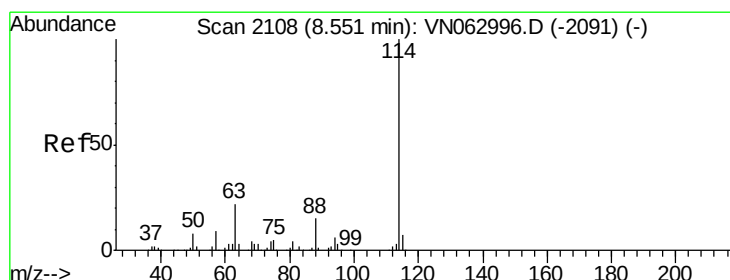
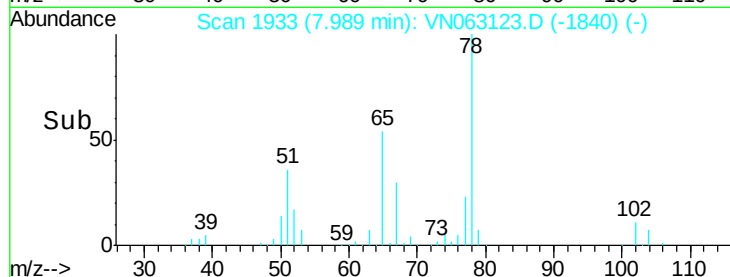
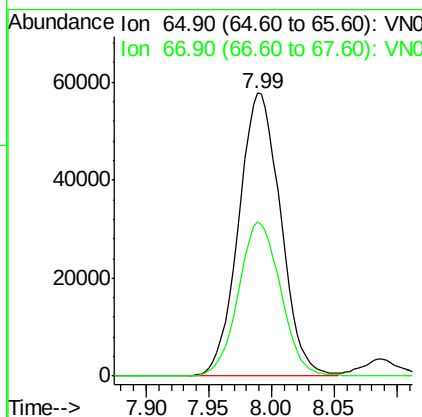
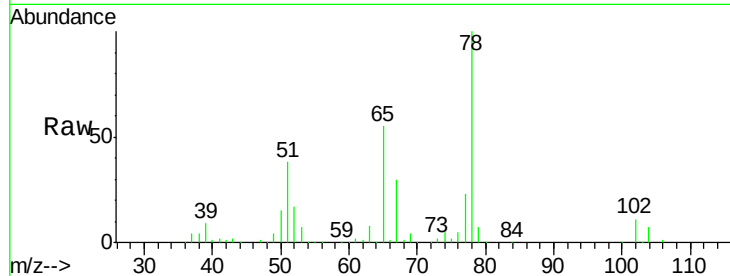
#33
 1,2-Dichloroethane-d4
 Concen: 52.794 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	112.0	

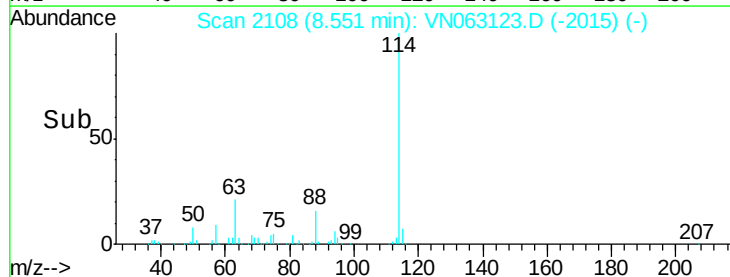
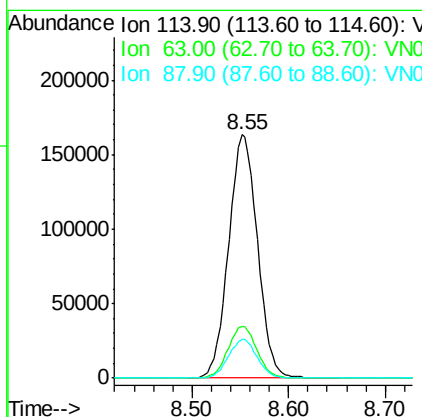
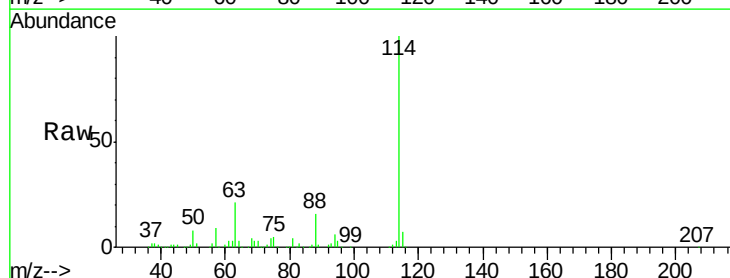
Manual Integrations
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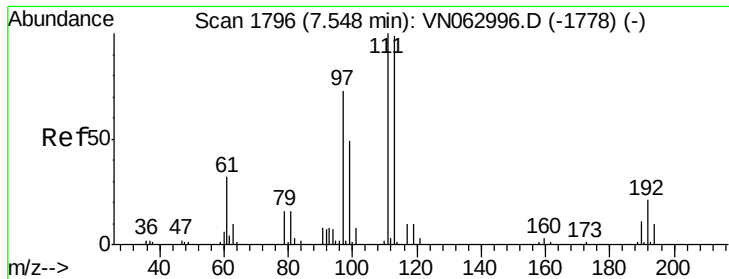
MMDadoda
 8/26/2020 11:27:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	16.0	0.0	30.6	





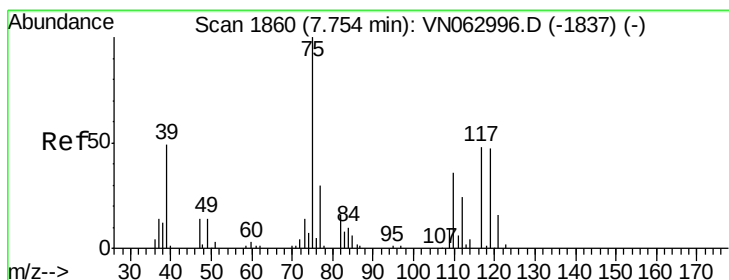
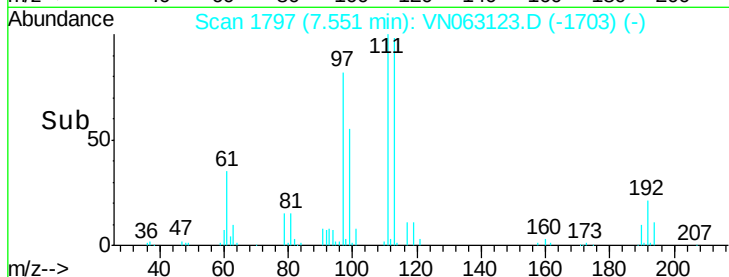
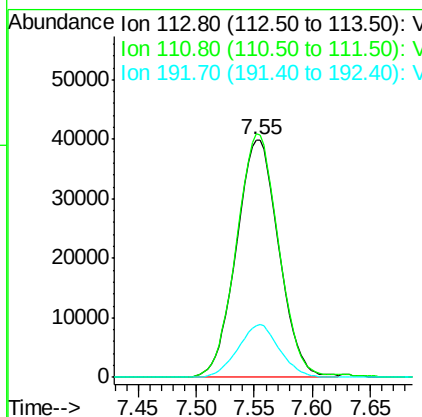
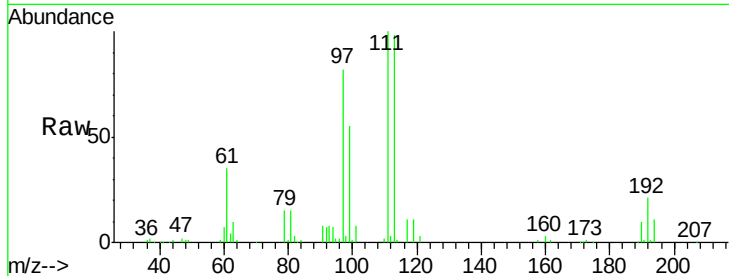
#35
 Dibromofluoromethane
 Concen: 46.104 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101685		
111	102.2	81.7	122.5	
192	21.7	17.5	26.3	

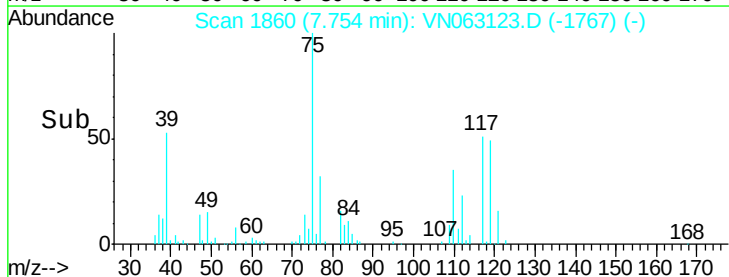
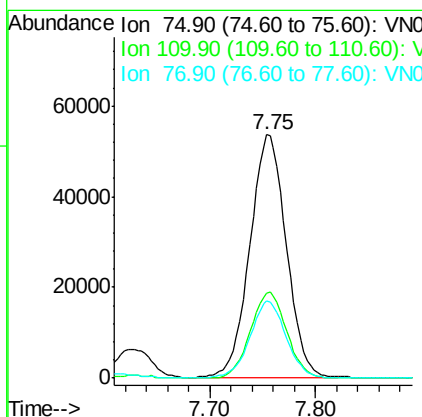
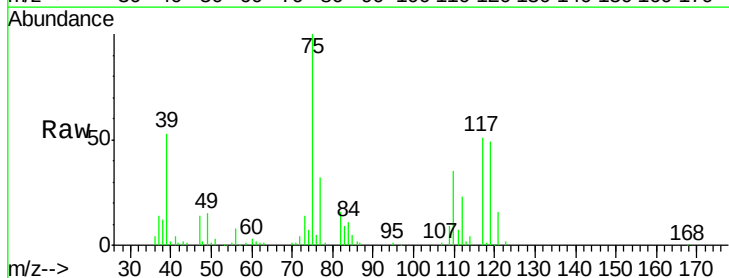
Manual Integrations
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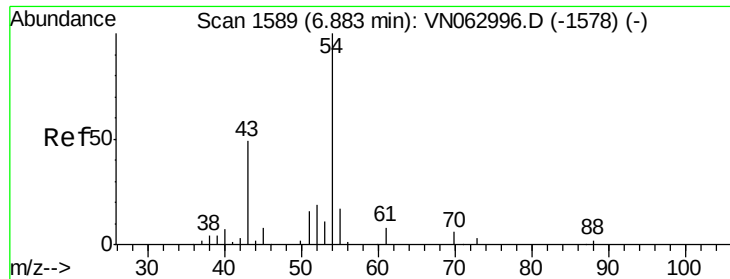
MMDadoda
 8/26/2020 11:27:14 AM



#36
 1,1-Dichloropropene
 Concen: 43.467 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129658		
110	34.8	17.5	52.6	
77	31.2	24.2	36.4	





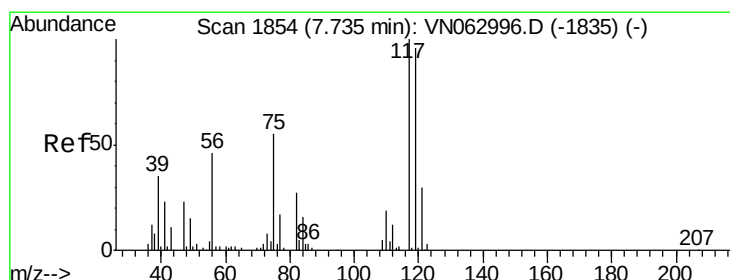
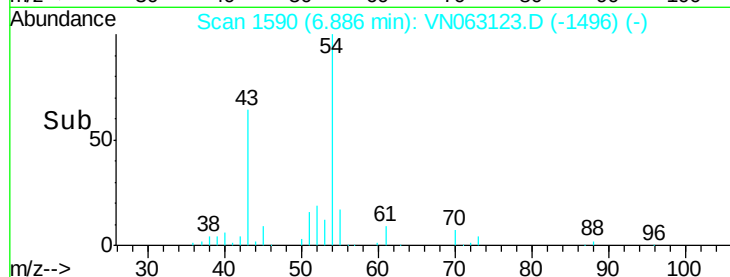
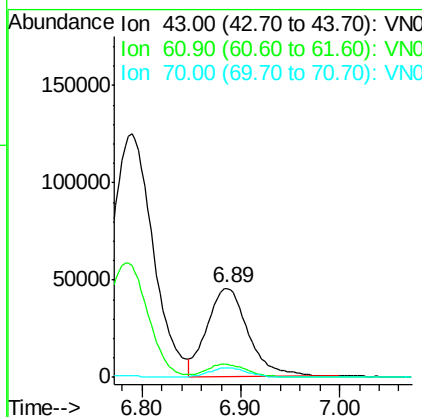
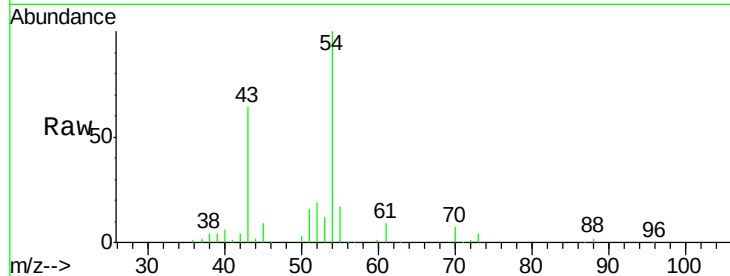
#37
Ethyl Acetate
Concen: 47.202 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.5	8.2	12.2

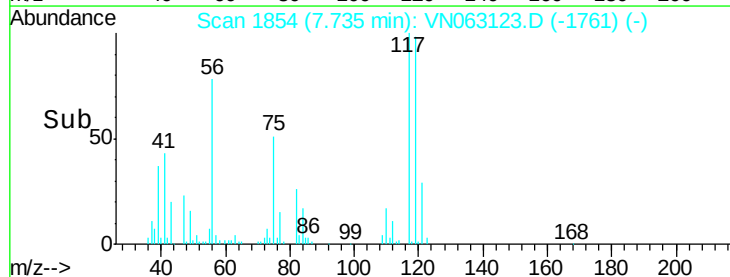
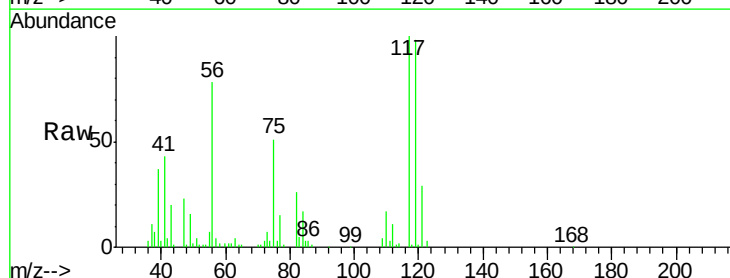
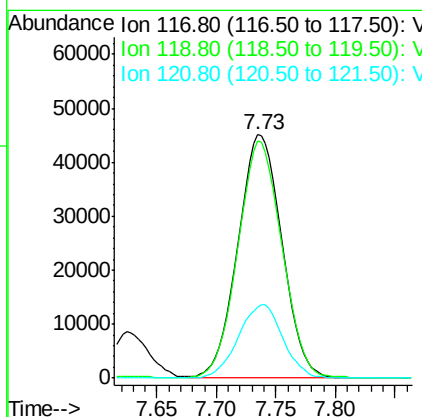
Manual Integrations
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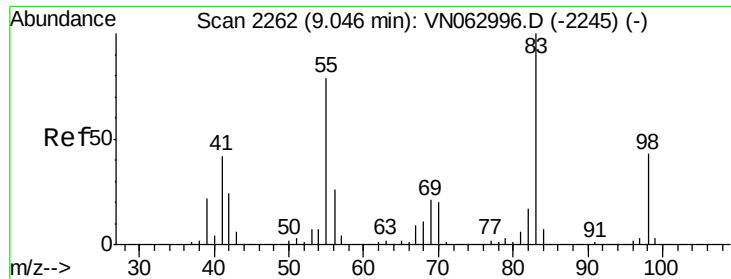
MMDadoda
8/26/2020 11:27:14 AM



#38
Carbon Tetrachloride
Concen: 38.153 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.4
121	29.2	24.2	36.2





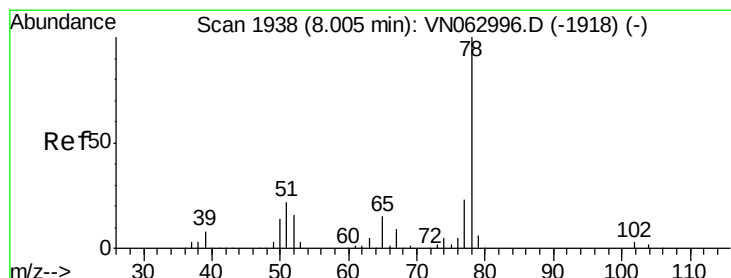
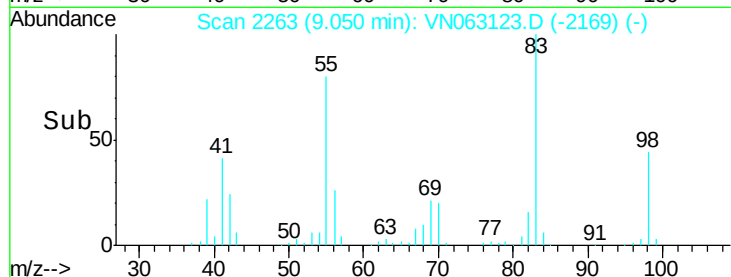
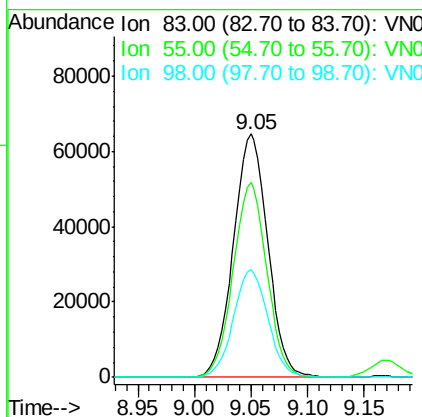
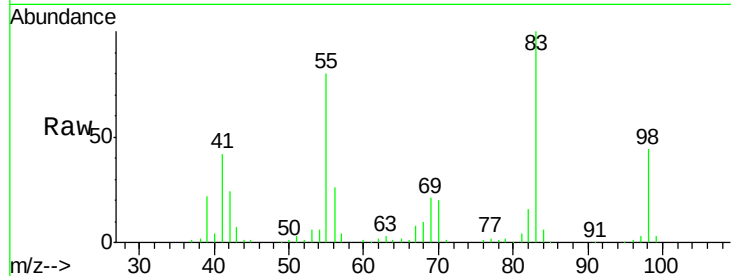
#39
Methylvlcyclohexane
Concen: 34.488 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.2	63.3	94.9	
98	44.4	34.2	51.4	

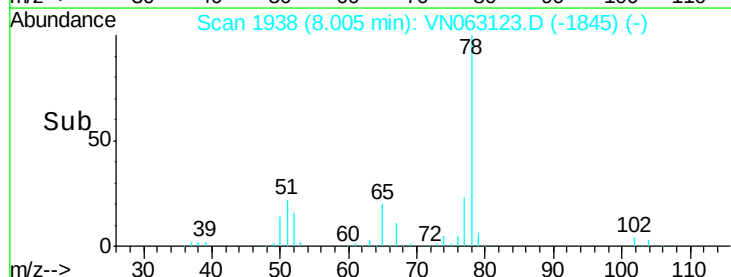
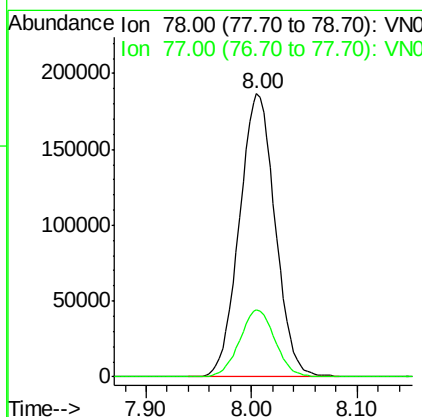
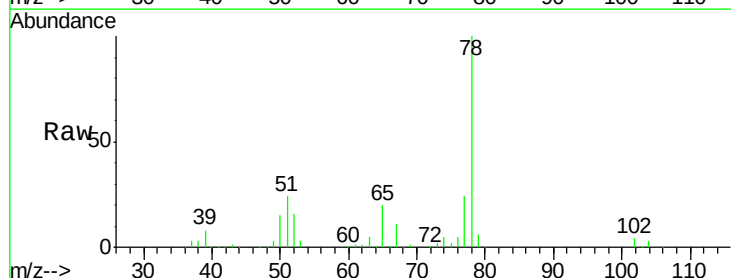
Manual Integrations
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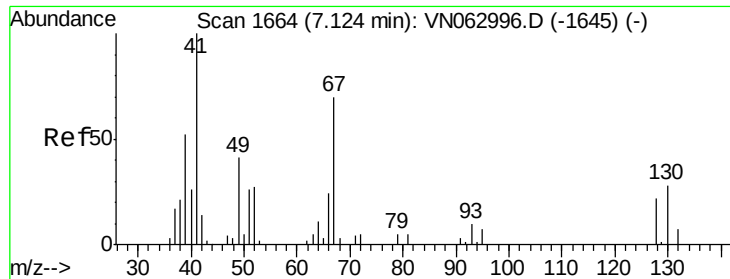
MMDadoda
8/26/2020 11:27:14 AM



#40
Benzene
Concen: 46.602 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





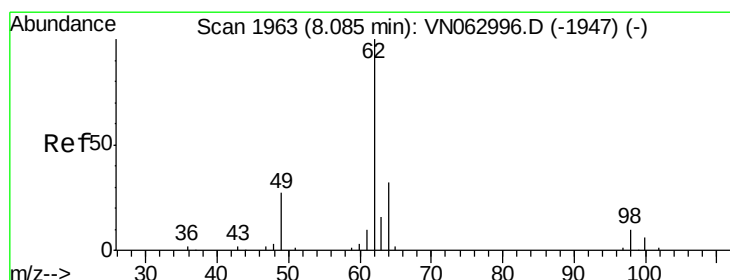
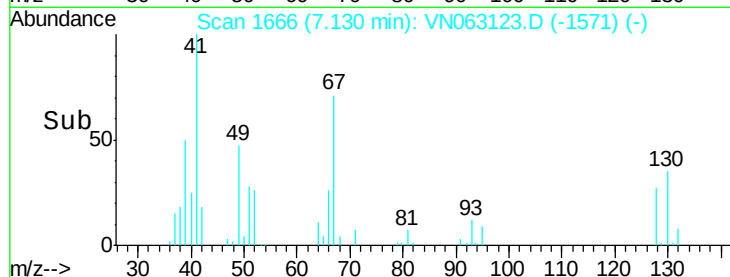
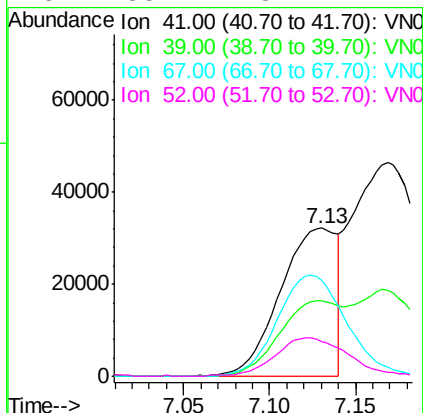
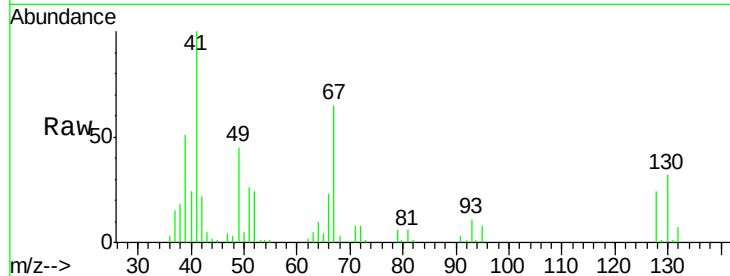
#41
Methacrylonitrile
Concen: 55.444 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	41	Resp	73835
Ion	Ratio	Lower	Upper
41	100		
39	55.2	41.6	62.4
67	83.6	71.8	107.8
52	33.4	28.2	42.4

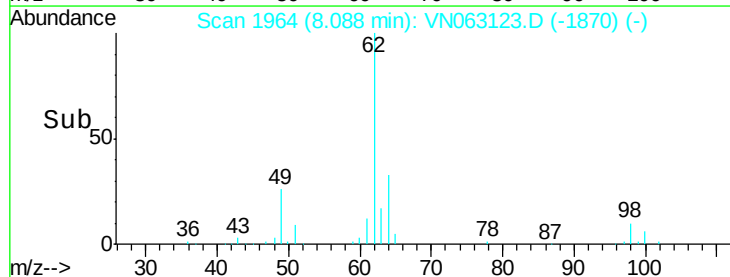
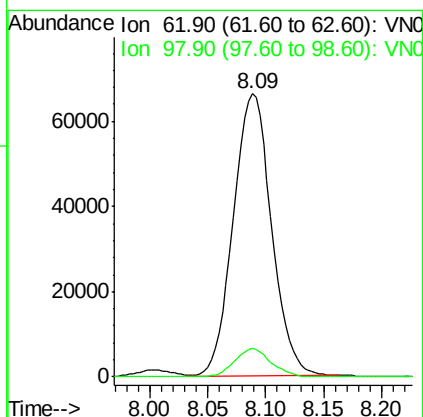
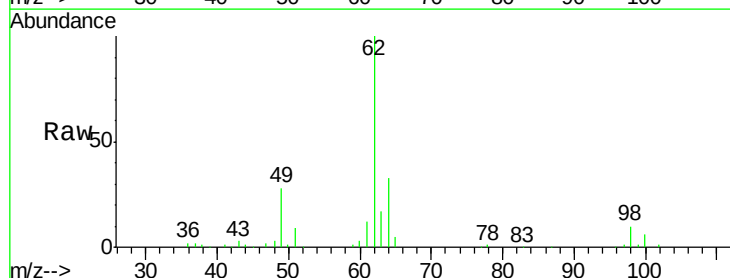
Manual Integrations
APPROVED

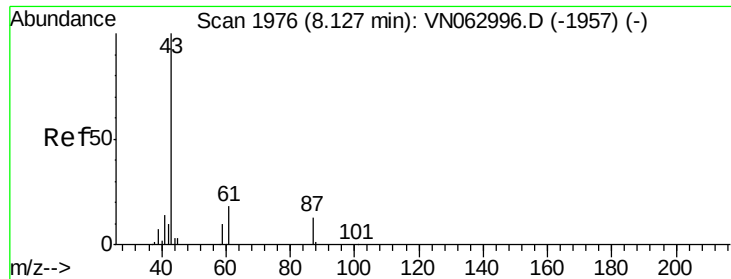
MMDadoda
8/26/2020 11:27:14 AM



#42
1,2-Dichloroethane
Concen: 48.036 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	62	Resp	152595
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





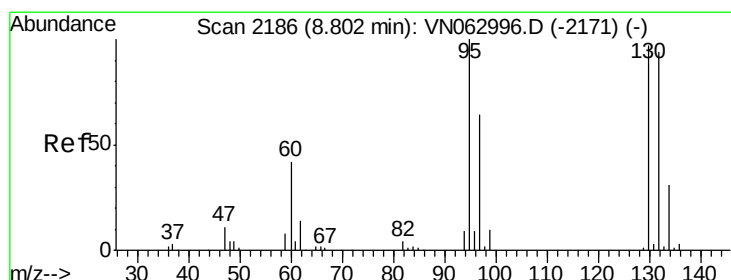
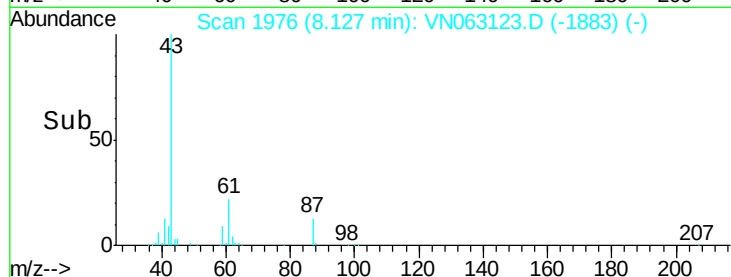
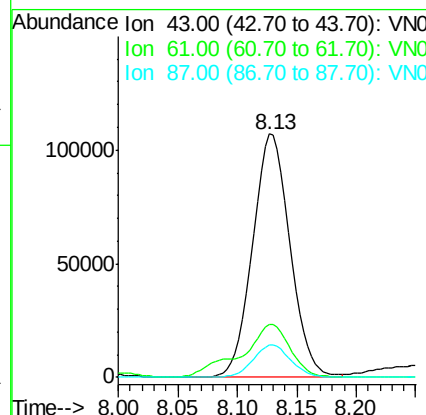
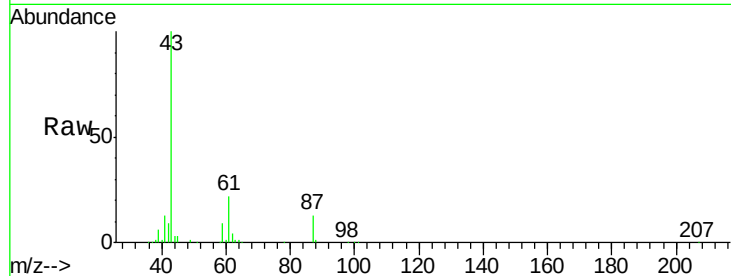
#43
Isopropyl Acetate
Concen: 50.204 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.6	33.8
87	13.4	10.5	15.7

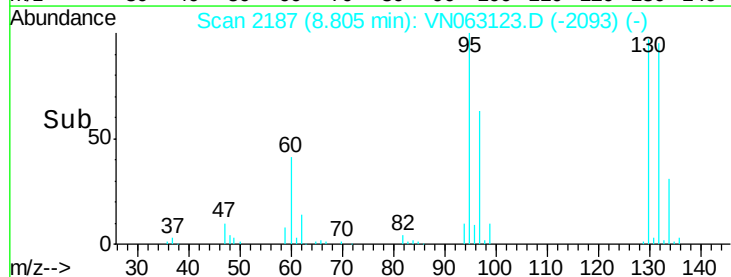
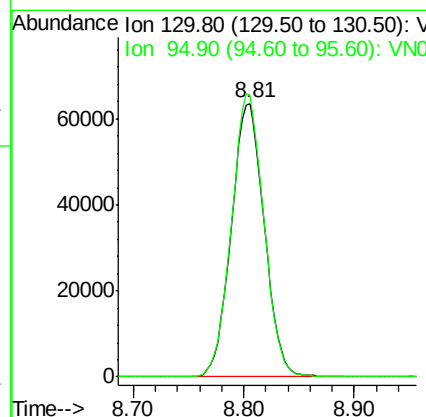
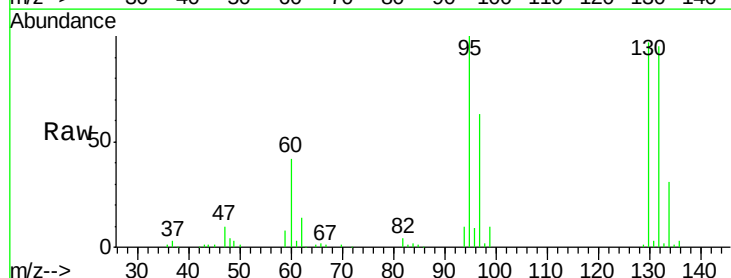
Manual Integrations
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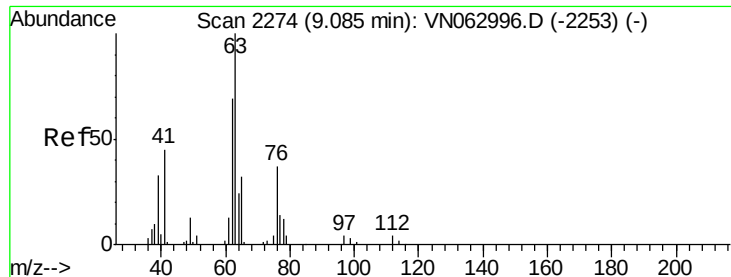
MMDadoda
8/26/2020 11:27:14 AM



#44
Trichloroethene
Concen: 55.955 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	205.6





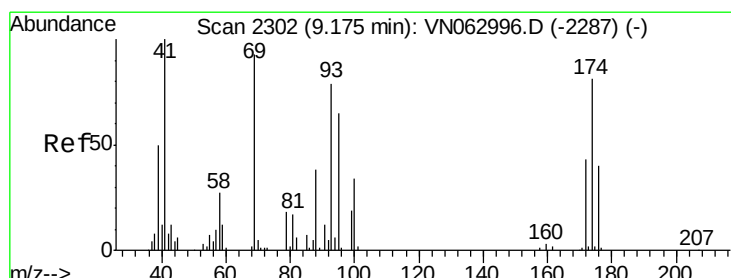
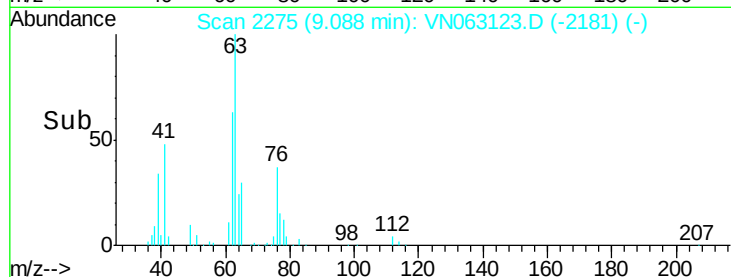
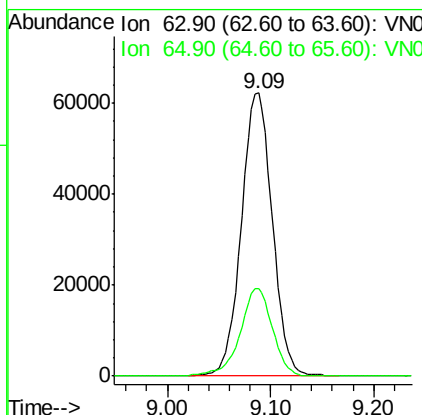
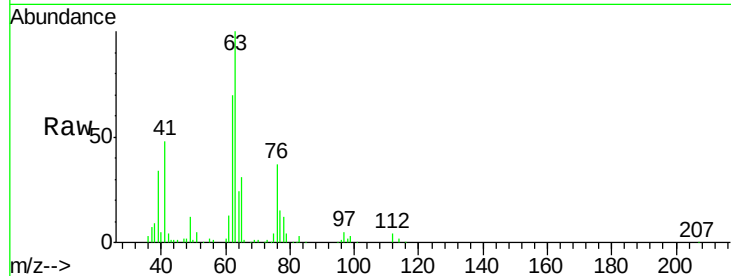
#45
 1,2-Dichloropropane
 Concen: 47.531 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.6	38.4

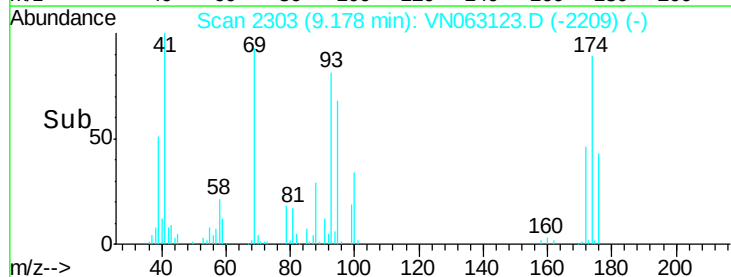
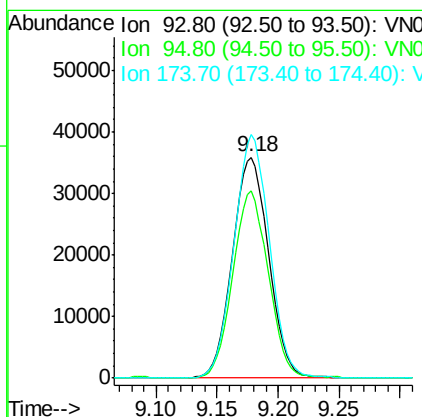
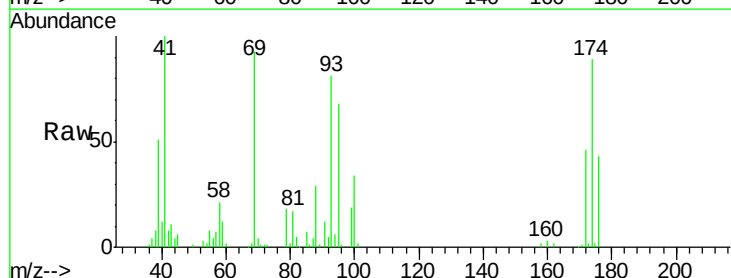
Manual Integrations
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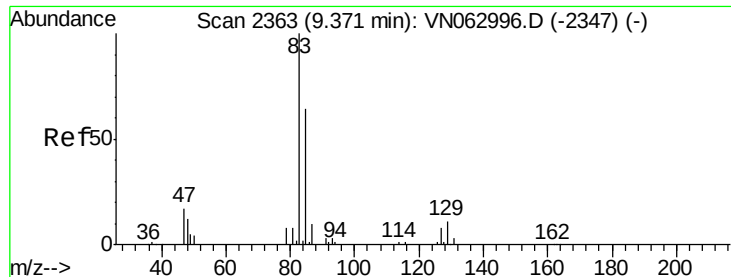
MMDadoda
 8/26/2020 11:27:14 AM



#46
 Dibromomethane
 Concen: 46.932 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	107.6	84.6	127.0





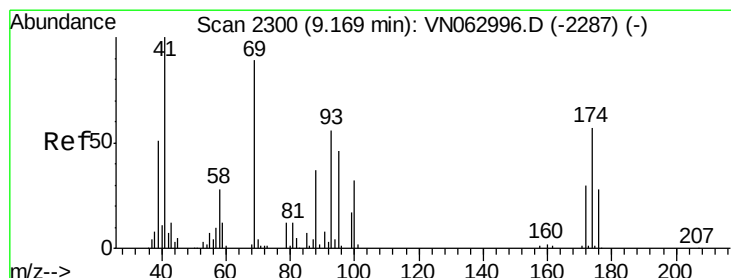
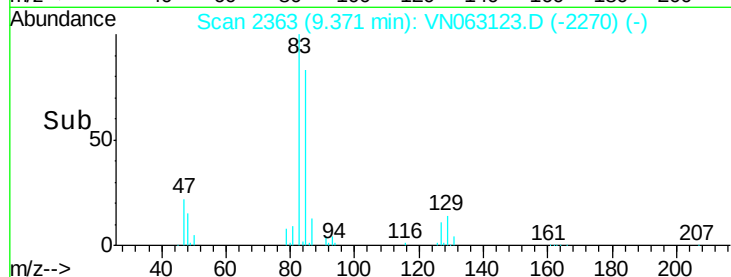
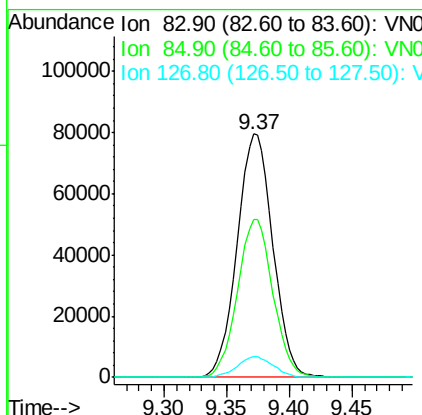
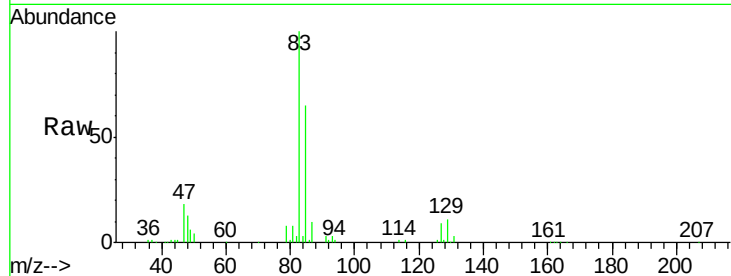
#47
Bromodichloromethane
Concen: 45.513 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	83	Resp	157484
Ion Ratio	100		
85	64.7	51.1	76.7
127	8.7	6.6	9.8

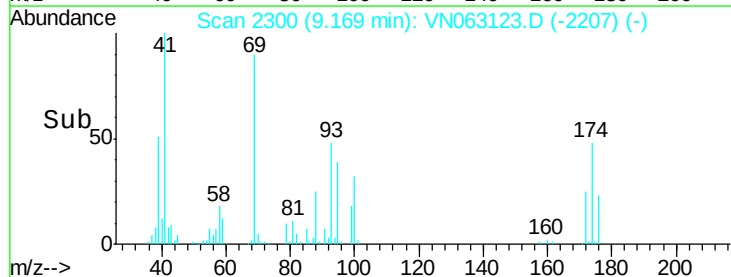
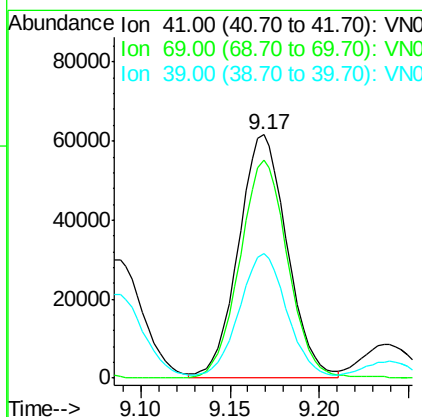
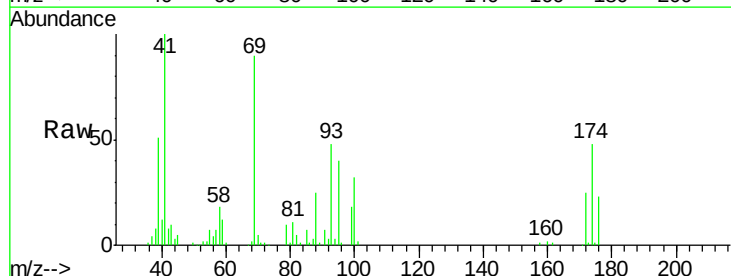
Manual Integrations
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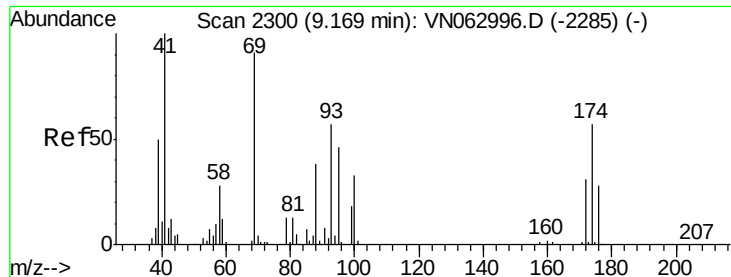
MMDadoda
8/26/2020 11:27:14 AM



#48
Methyl methacrylate
Concen: 53.398 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	41	Resp	116992
Ion Ratio	100		
69	89.2	74.2	111.4
39	50.6	42.5	63.7





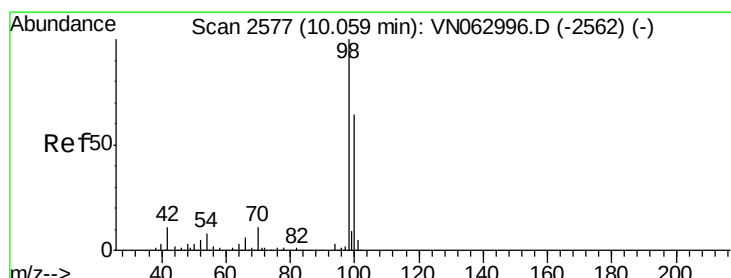
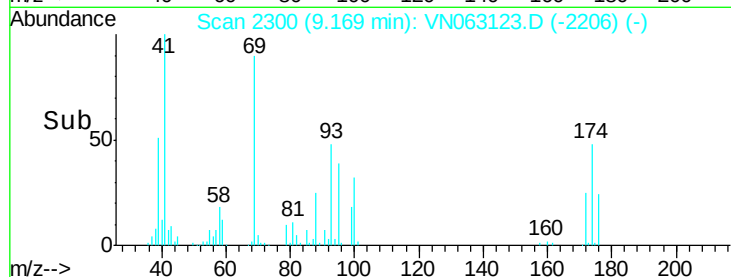
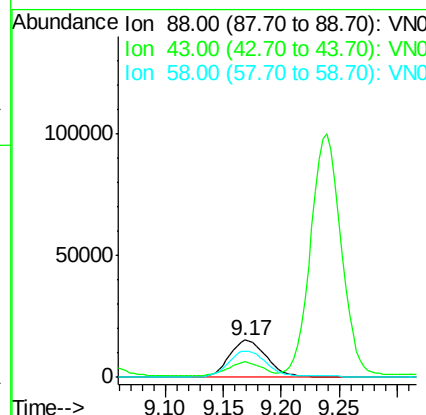
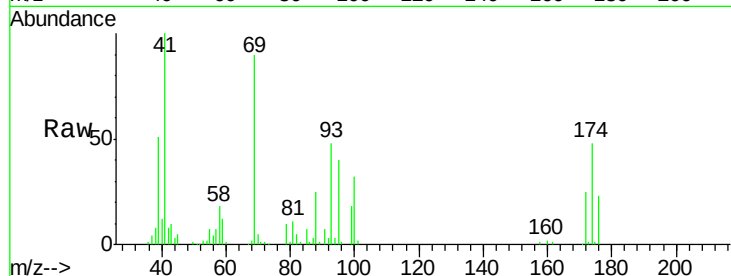
#49
1,4-Dioxane
Concen: 721.179 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.2	37.8
58	72.3	56.7	85.1

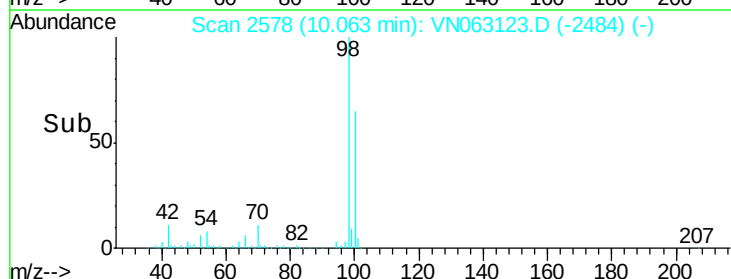
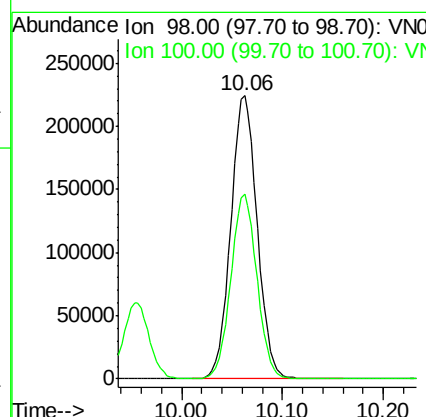
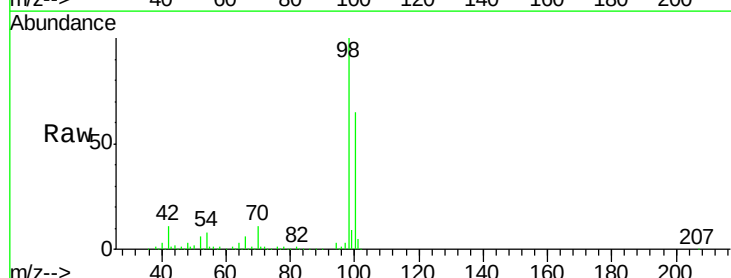
Manual Integrations
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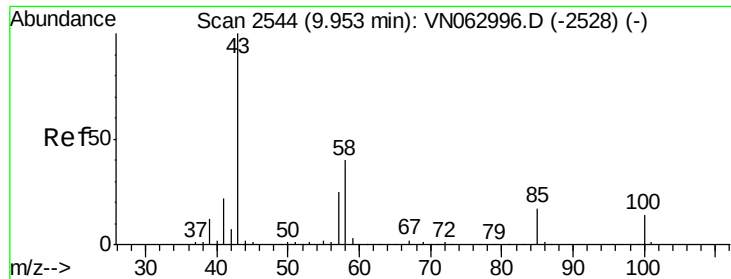
MMDadoda
8/26/2020 11:27:14 AM



#50
Toluene-d8
Concen: 48.316 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 257.667 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 43 Resp: 754166

Ion Ratio Lower Upper

43 100

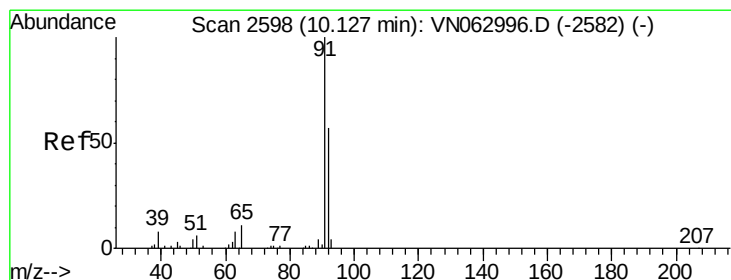
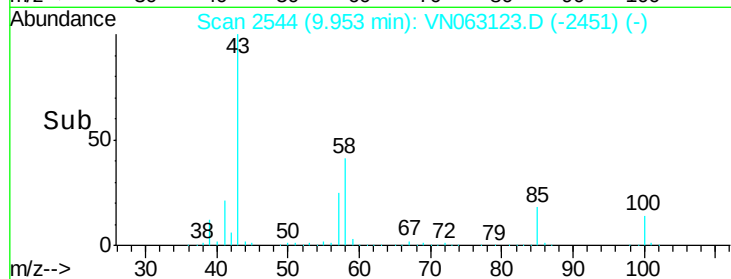
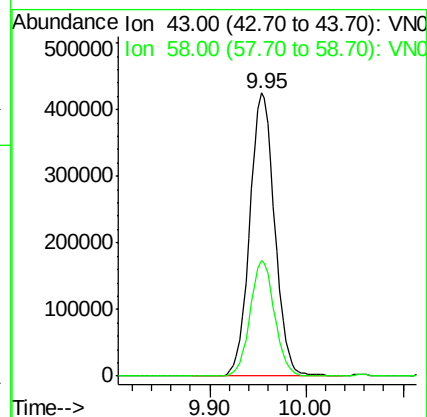
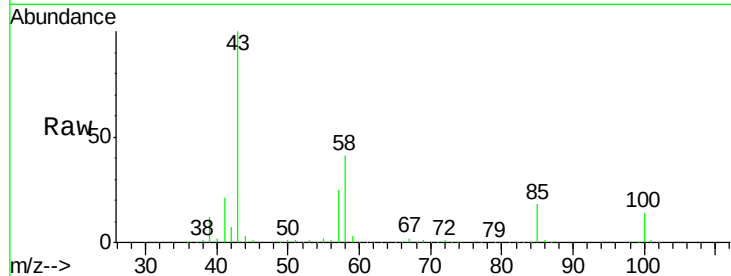
58 40.4 32.2 48.2

Manual Integrations

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MMDadoda

8/26/2020 11:27:14 AM



#52

Toluene

Concen: 47.039 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063123.D

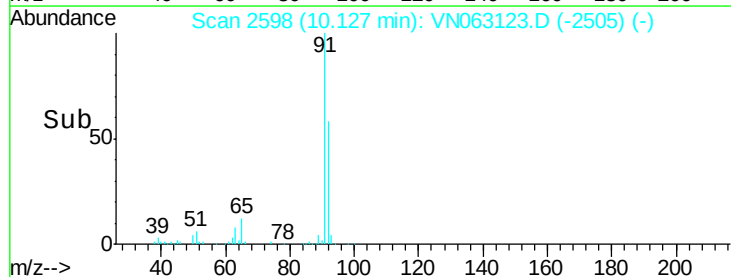
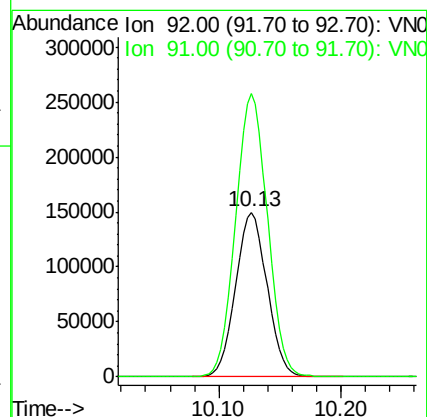
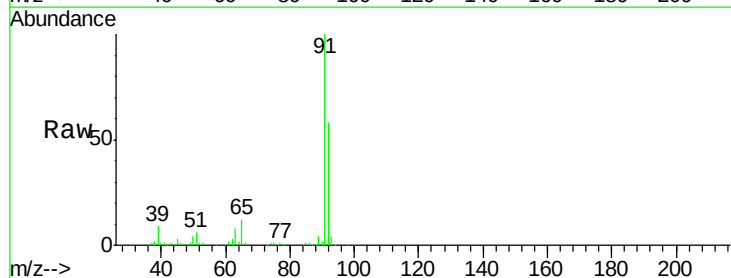
Acq: 25 Aug 2020 19:52

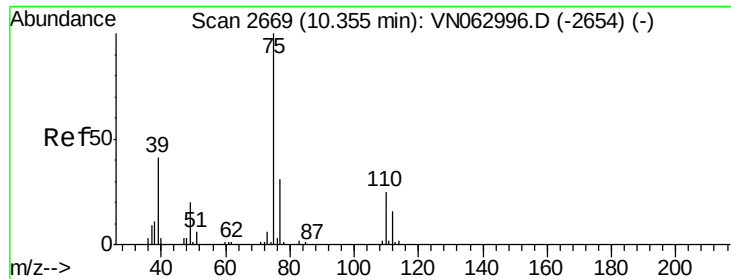
Tgt Ion: 92 Resp: 268456

Ion Ratio Lower Upper

92 100

91 174.6 139.2 208.8





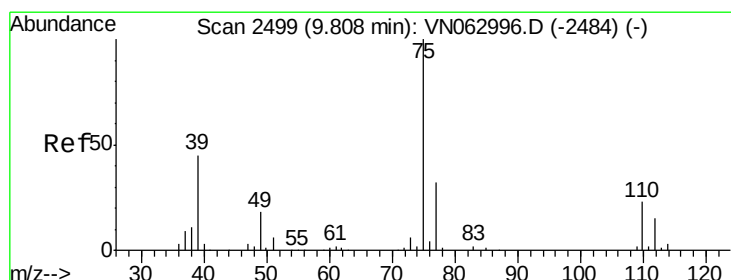
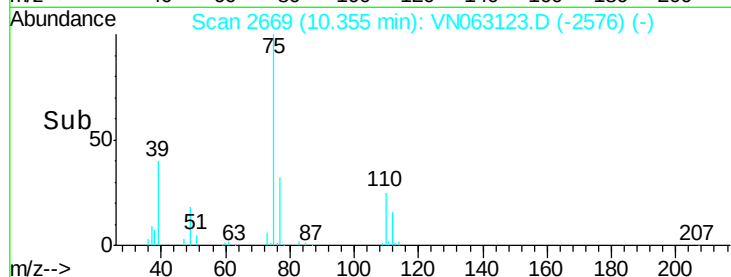
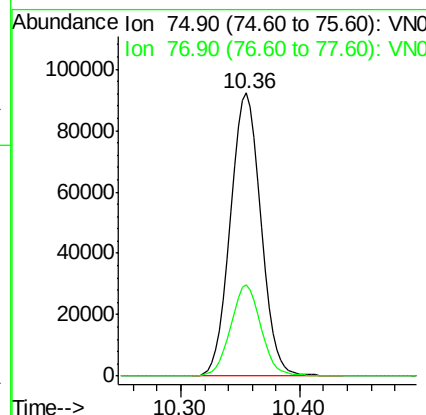
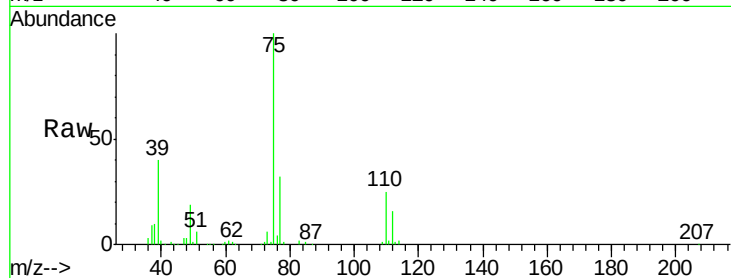
#53
 t-1,3-Dichloropropene
 Concen: 45.906 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0

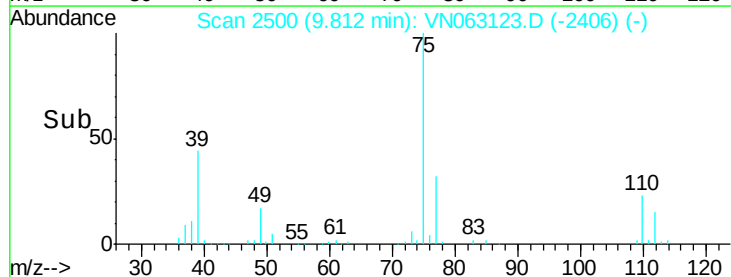
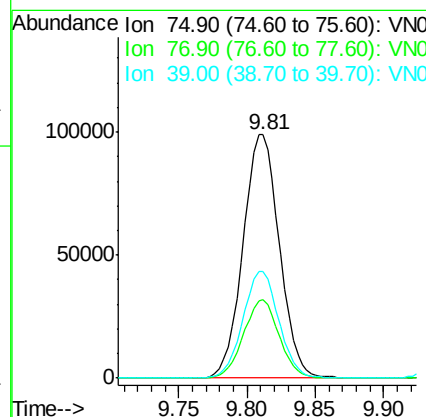
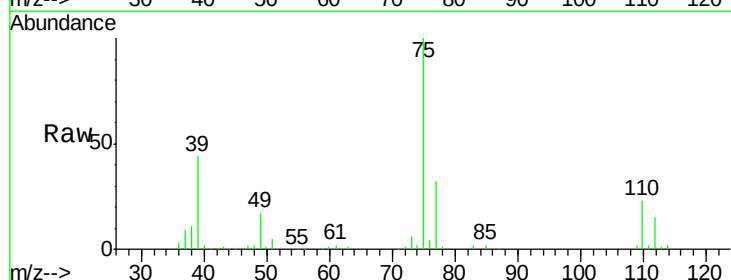
Manual Integrations
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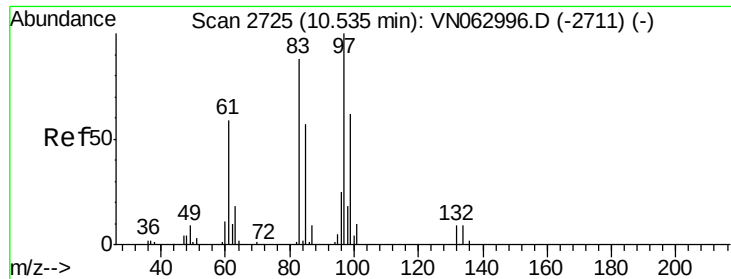
MMDadoda
 8/26/2020 11:27:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.683 ug/l
 RT: 9.81 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	43.6	35.7	53.5





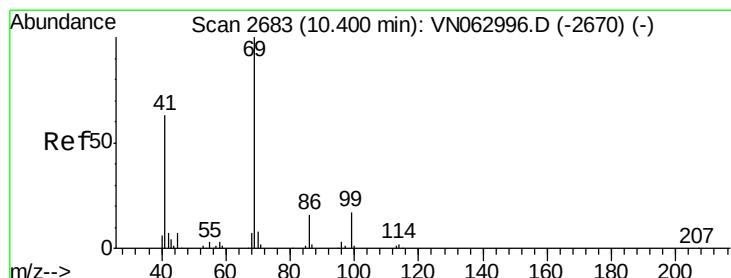
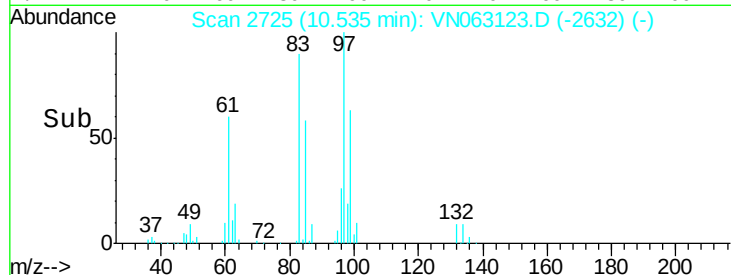
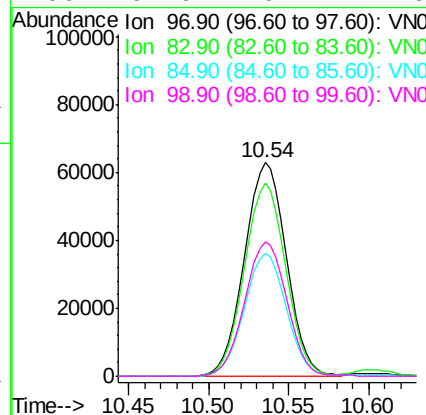
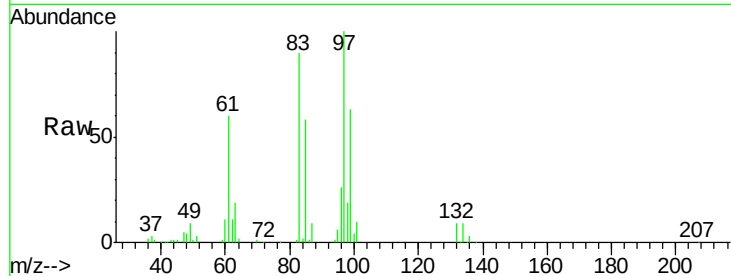
#55
 1,1,2-Trichloroethane
 Concen: 46.208 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112762		
83	90.4	70.5	105.7		
85	57.7	45.8	68.6		
99	62.9	49.7	74.5		

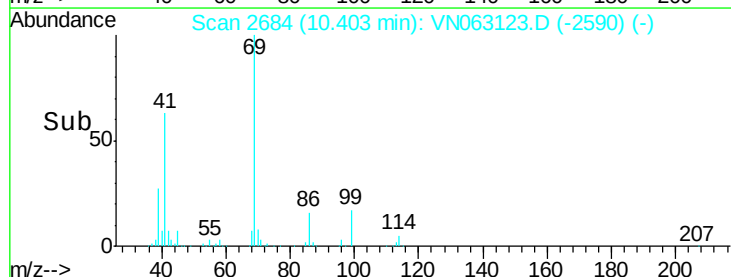
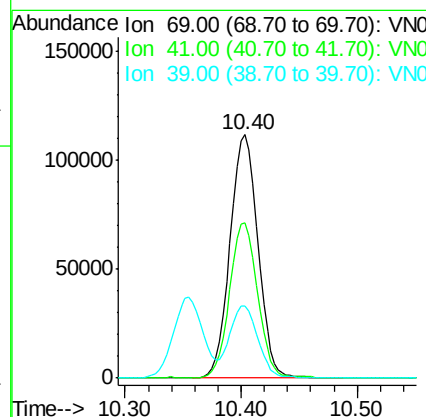
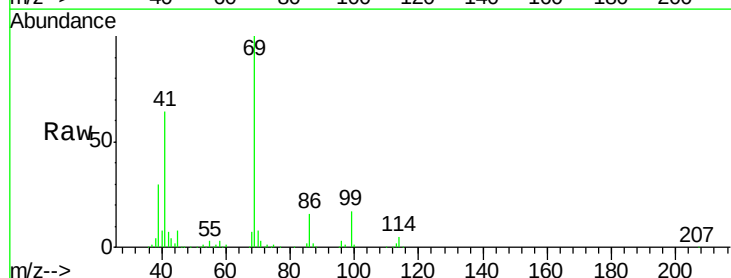
Manual Integrations
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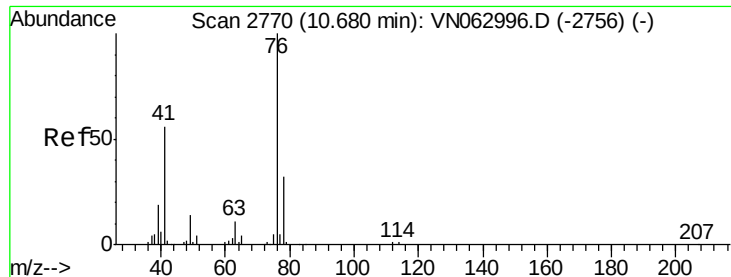
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 8/26/2020 11:27:14 AM



#56
 Ethyl methacrylate
 Concen: 49.636 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		187030		
41	63.2	50.2	75.2		
39	30.3	24.2	36.4		





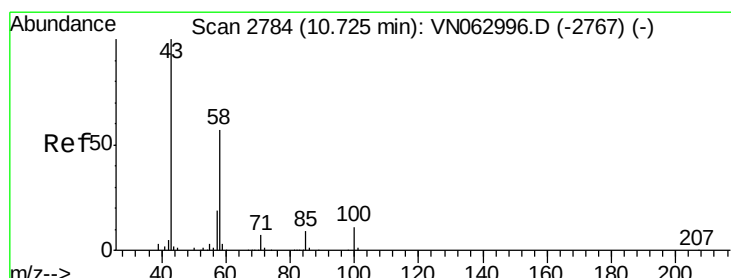
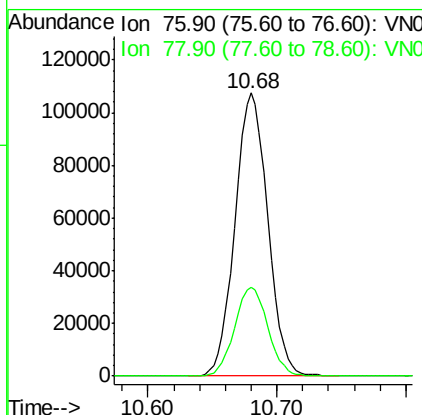
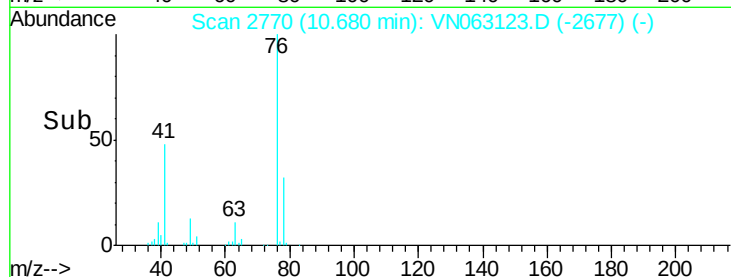
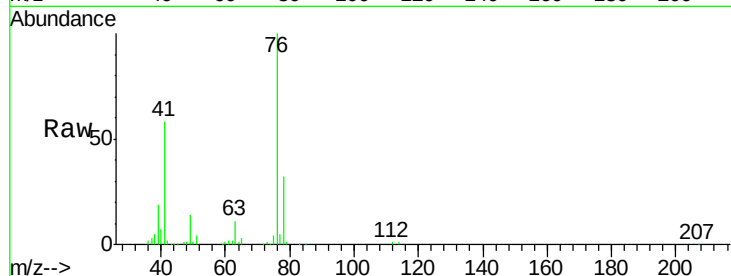
#57
 1,3-Dichloropropane
 Concen: 46.811 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
76	100		189690		
78	31.9	26.1	39.1		

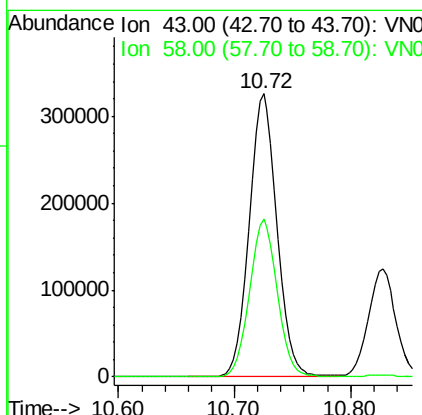
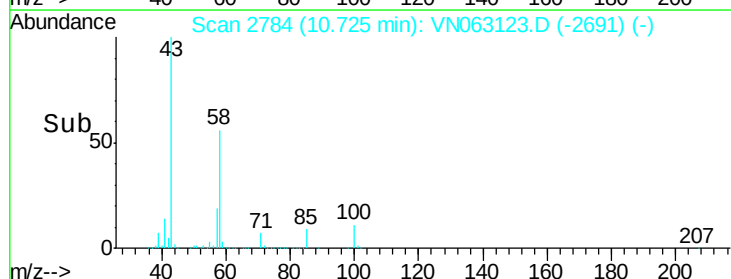
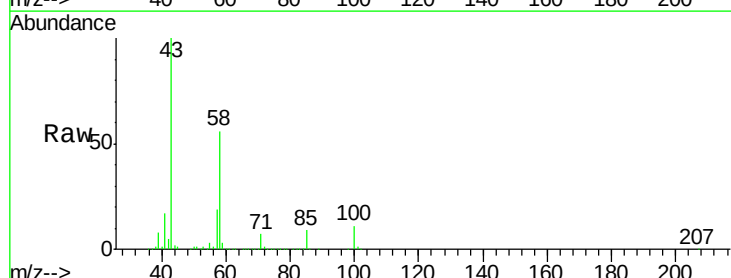
Manual Integrations
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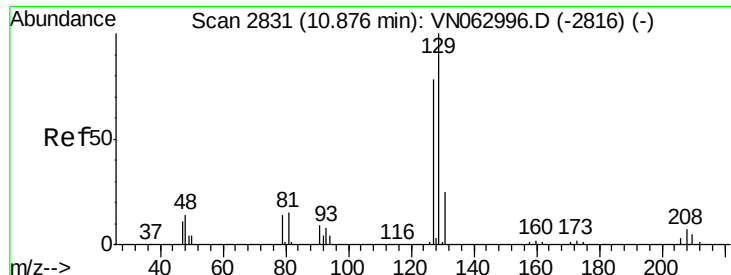
MMDadoda
 8/26/2020 11:27:14 AM



#59
 2-Hexanone
 Concen: 265.571 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		542186		
58	56.1	28.1	84.3		





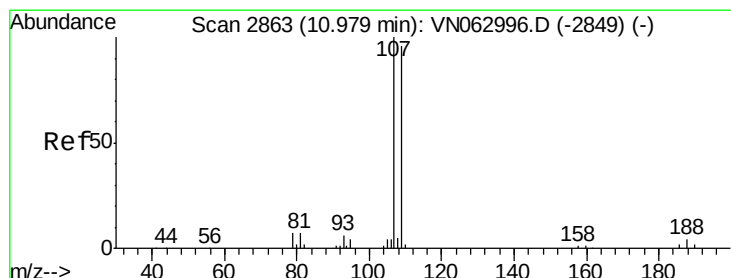
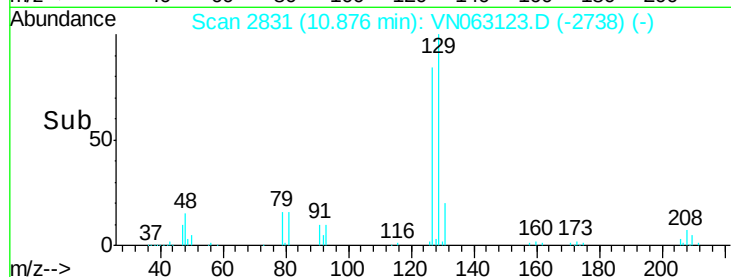
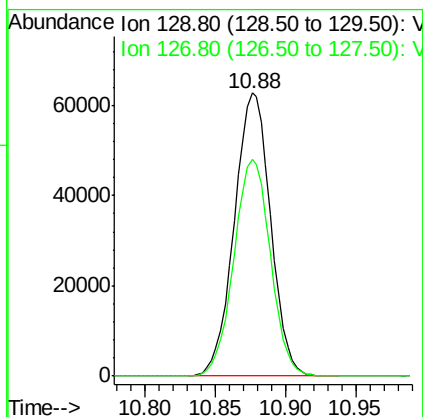
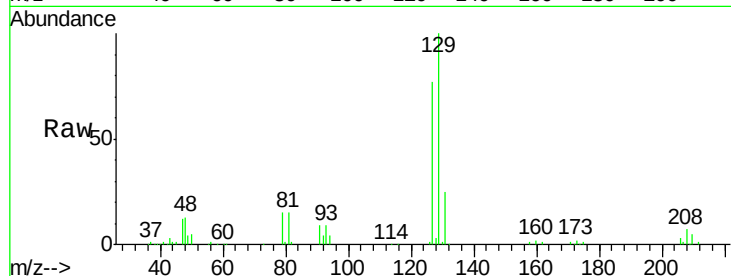
#60
 Dibromochloromethane
 Concen: 41.931 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		113239		
127	77.0	38.4	115.2		

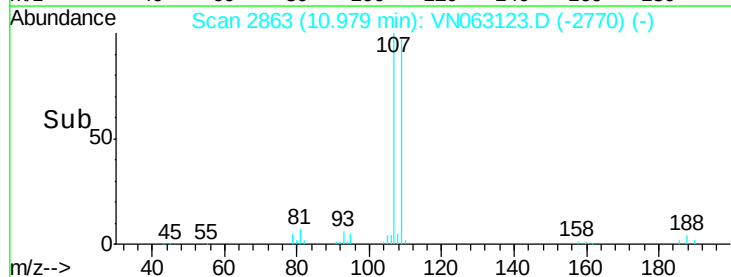
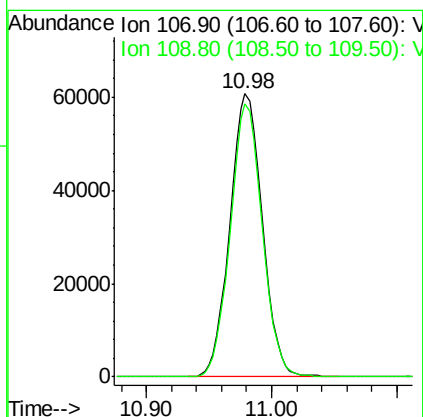
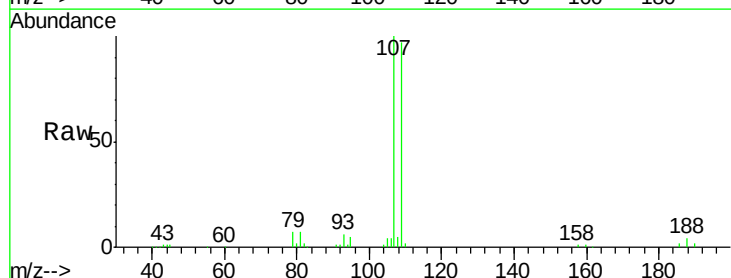
Manual Integrations
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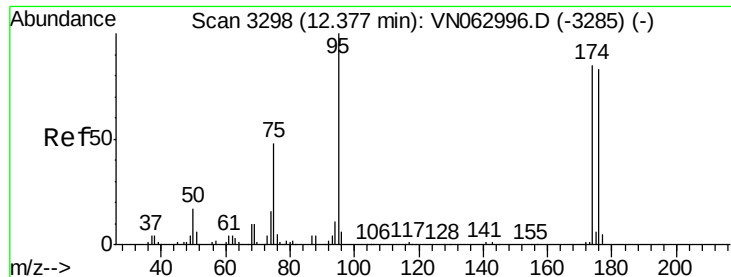
MMDadoda
 8/26/2020 11:27:14 AM



#61
 1,2-Dibromoethane
 Concen: 46.512 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		109061		
109	95.2	75.7	113.5		





#62

4-Bromofluorobenzene

Concen: 46.203 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

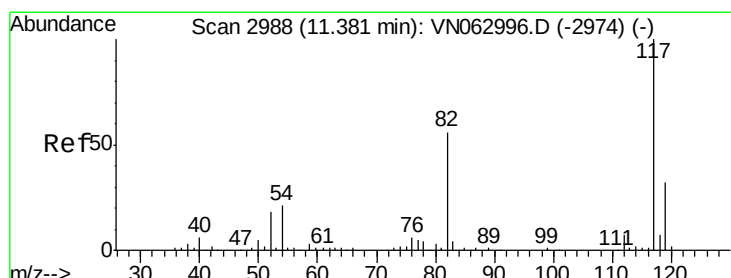
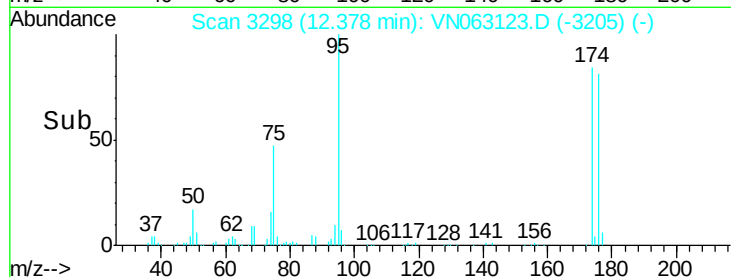
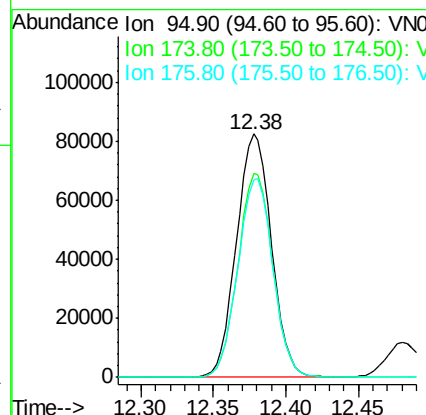
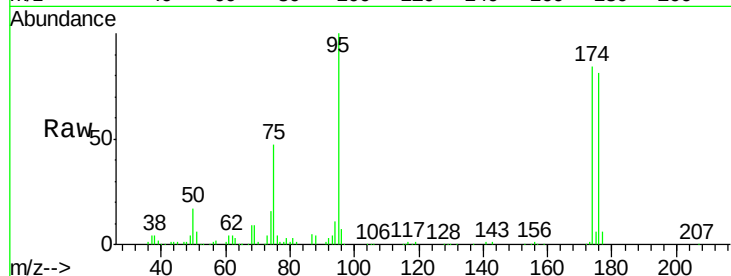
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion	95	Resp	138126
Ion Ratio	Lower	Upper	
95	100		
174	83.6	0.0	170.8
176	82.5	0.0	164.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

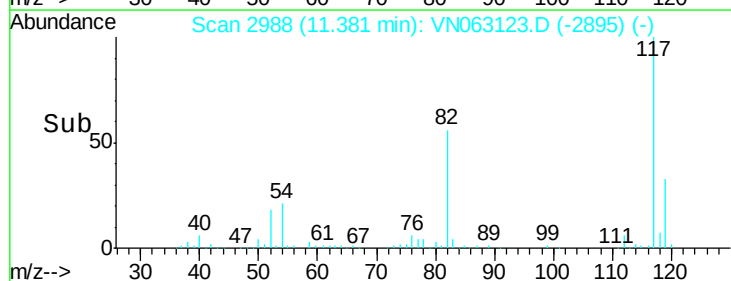
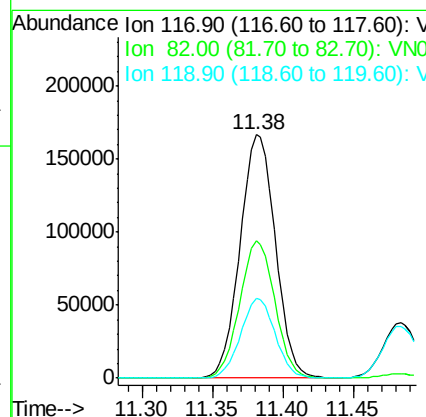
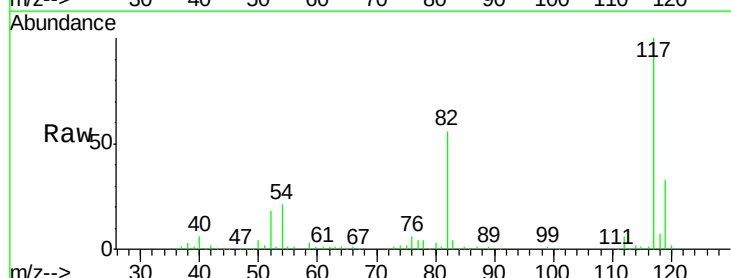
RT: 11.38 min Scan# 2988

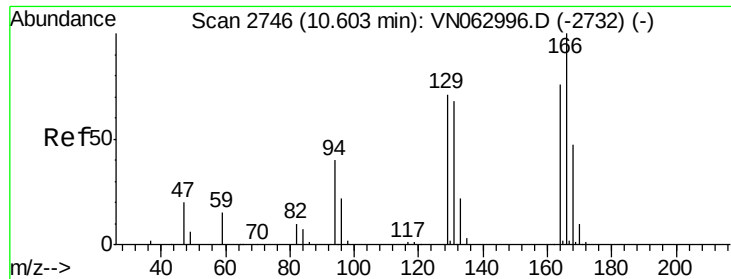
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion	117	Resp	293285
Ion Ratio	Lower	Upper	
117	100		
82	56.2	44.5	66.7
119	32.7	25.5	38.3





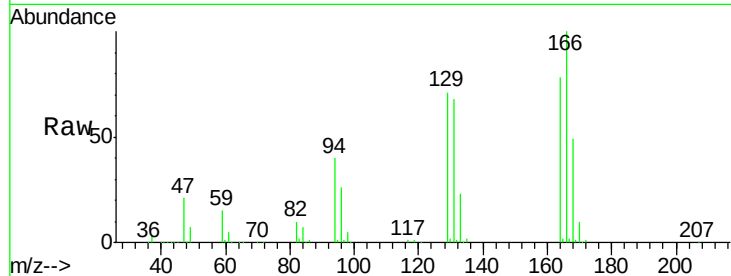
#64
Tetrachloroethene
Concen: 78.547 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

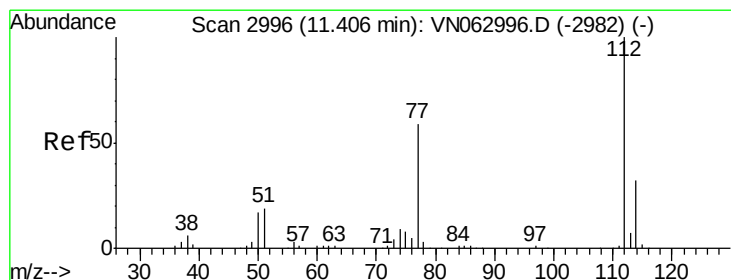
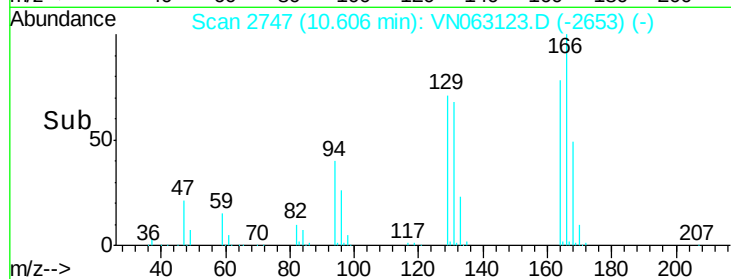
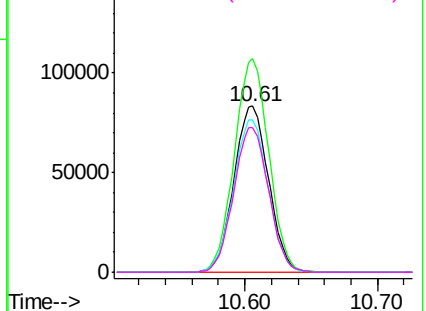
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.6
129	91.7	74.7	112.1
131	86.8	71.0	106.4

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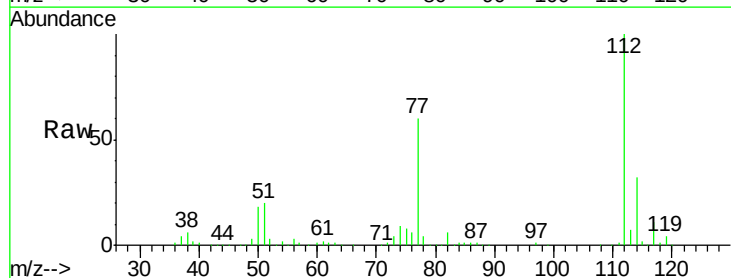


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

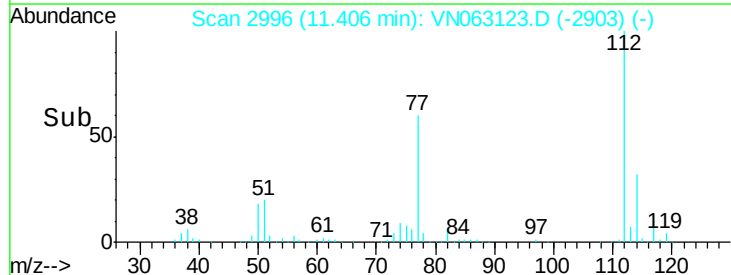
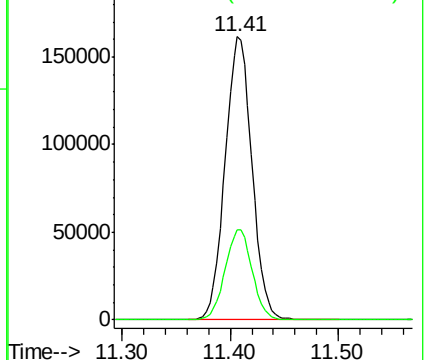


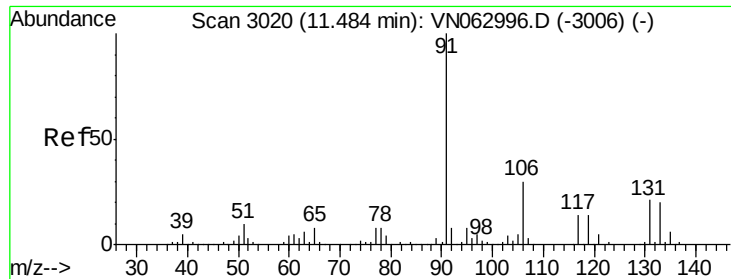
#65
Chlorobenzene
Concen: 47.589 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





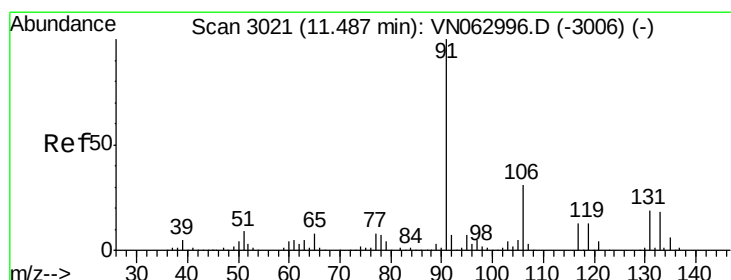
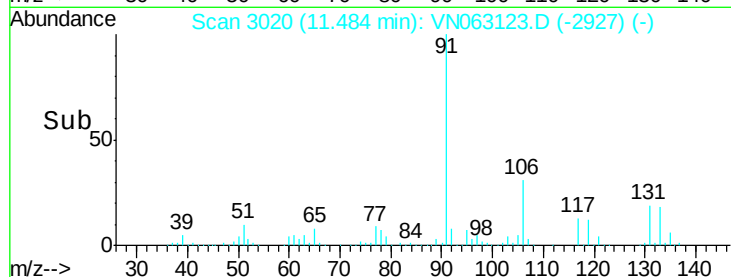
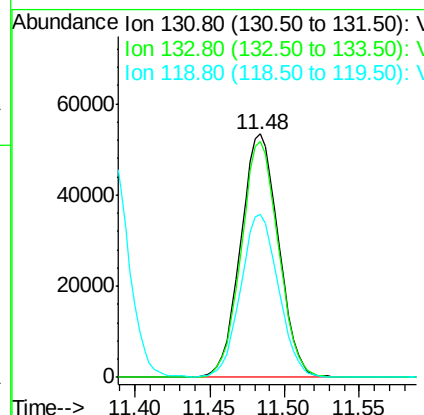
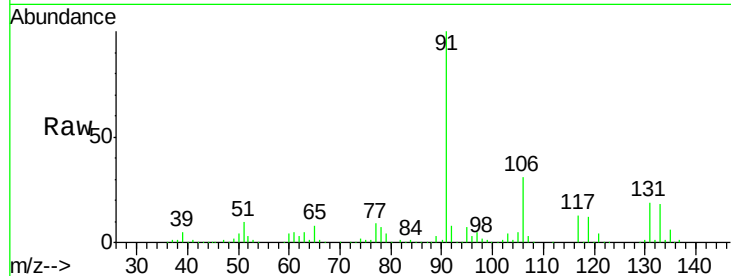
#66
 1,1,1,2-Tetrachloroethane
 Concen: 41.201 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.5	142.6
119	66.5	33.1	99.3

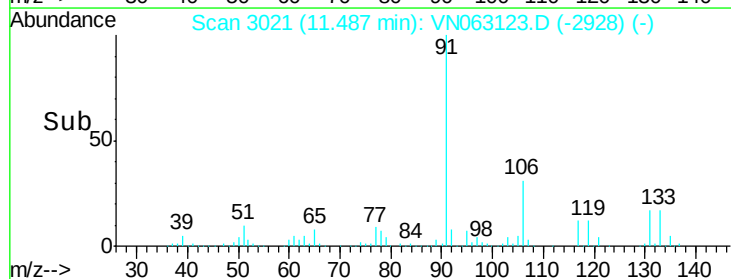
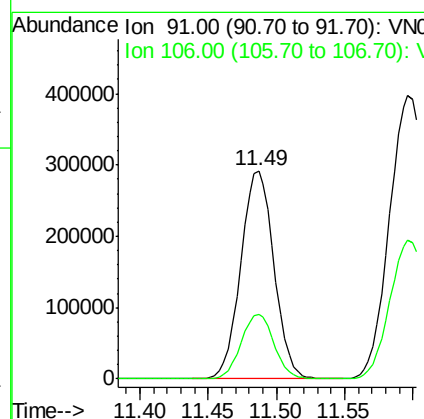
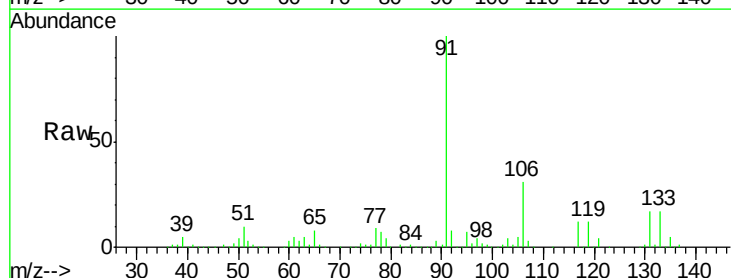
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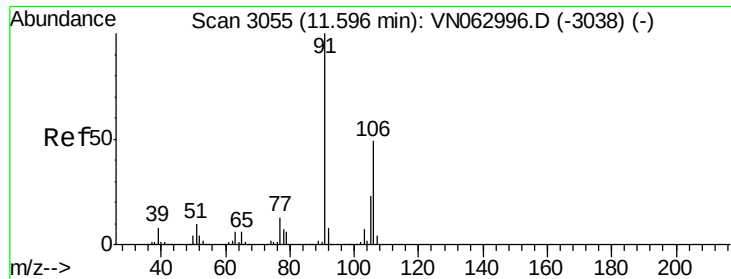
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 8/26/2020 11:27:14 AM



#67
 Ethyl Benzene
 Concen: 49.528 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.6	37.0





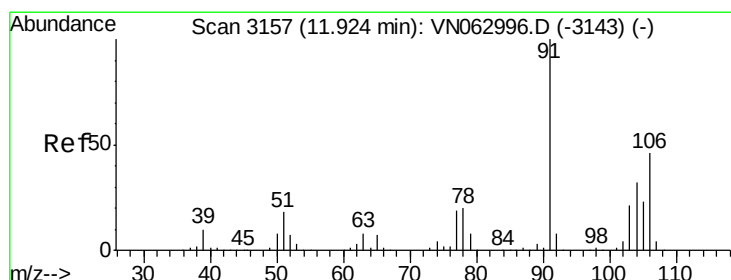
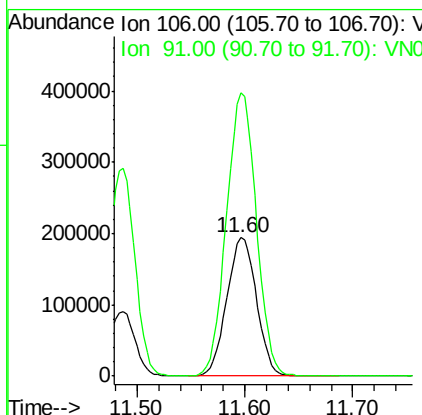
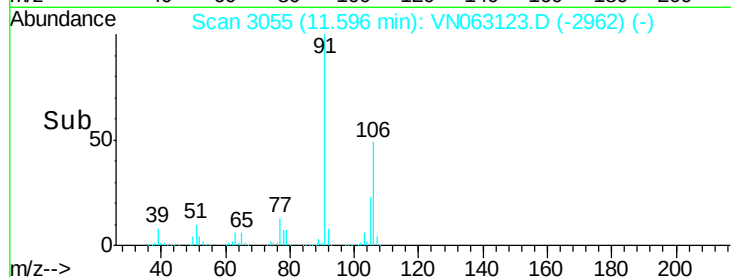
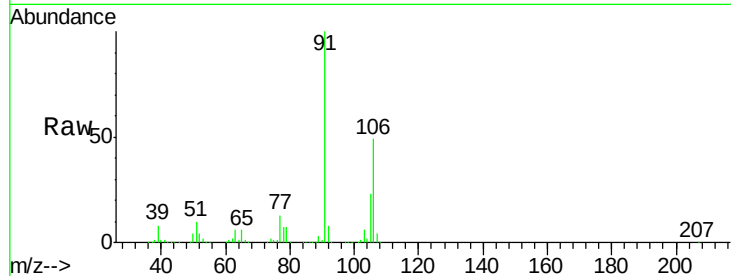
#68
m/p-Xylenes
Concen: 100.824 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		372961		
91	205.7	163.0	244.4		

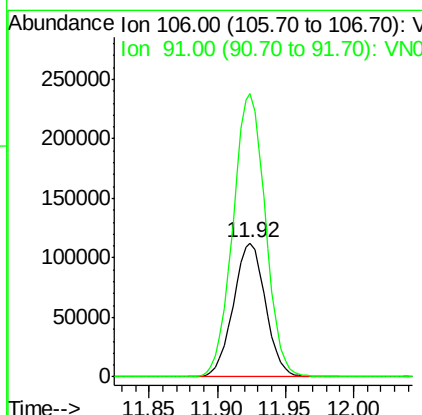
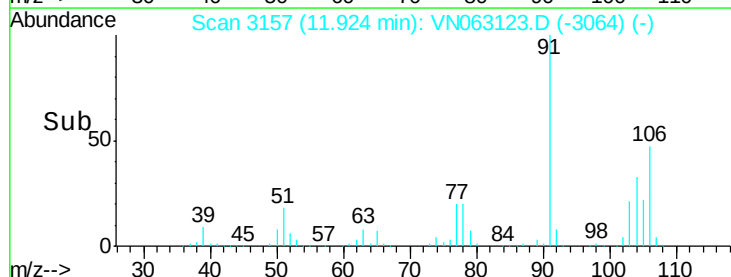
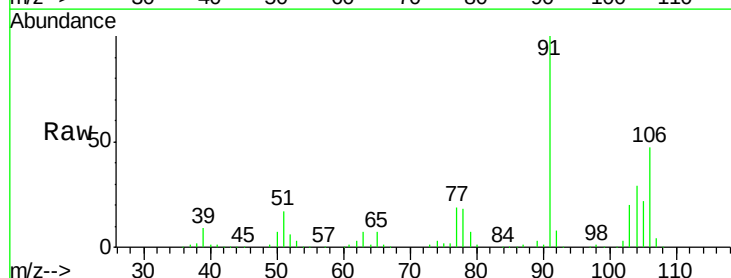
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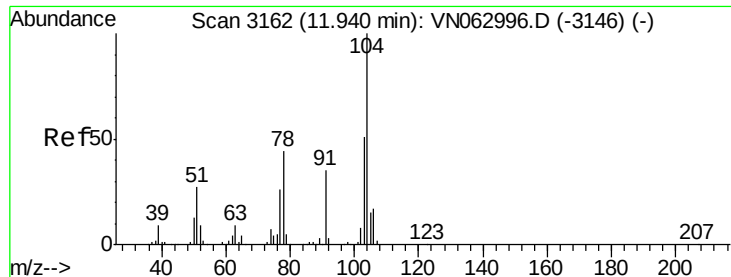
MMDadoda
8/26/2020 11:27:14 AM



#69
o-Xylene
Concen: 51.778 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		183926		
91	213.8	107.3	321.9		





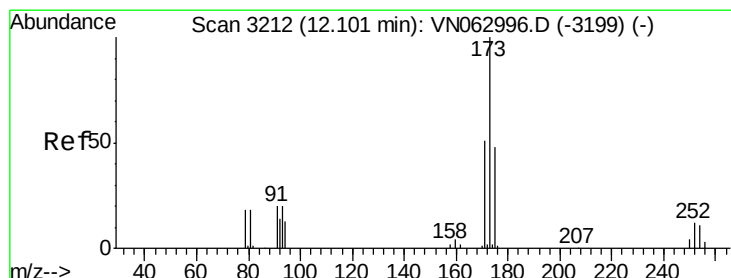
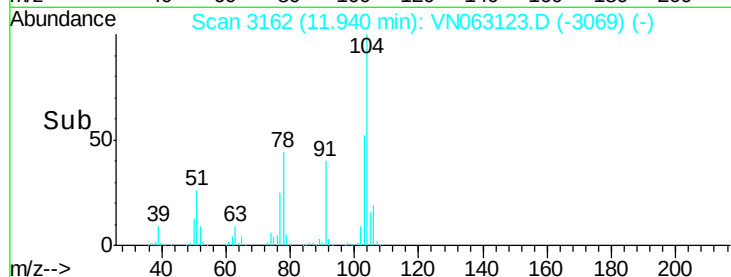
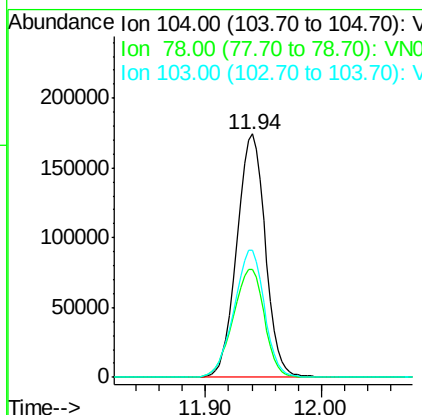
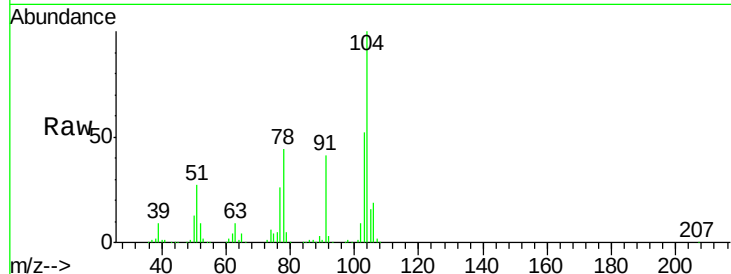
#70
Stvrene
Concen: 42.430 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	296965		
78	49.2		39.0	58.6
103	56.0		44.3	66.5

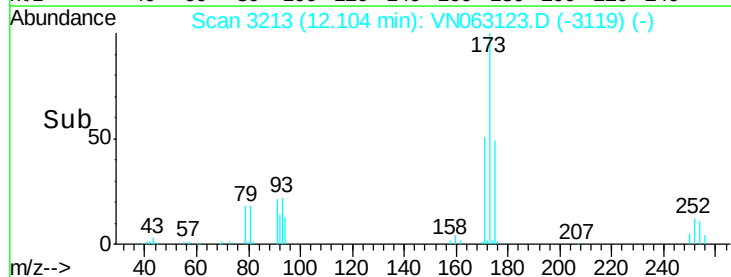
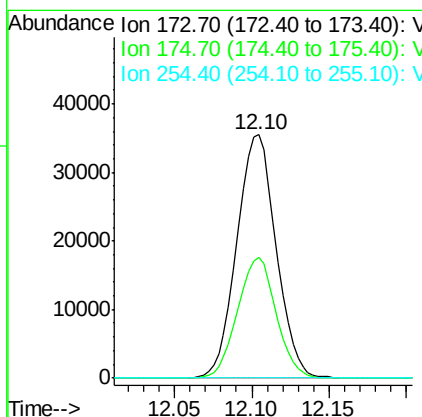
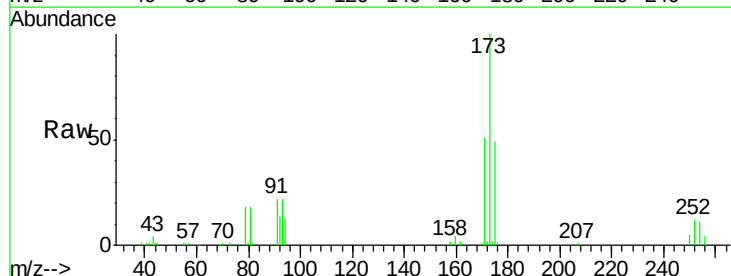
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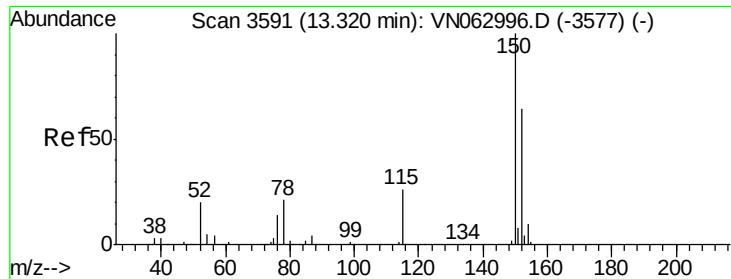
MMDadoda
8/26/2020 11:27:14 AM



#71
Bromoform
Concen: 34.382 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	62700		
175	48.4		24.3	72.8
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

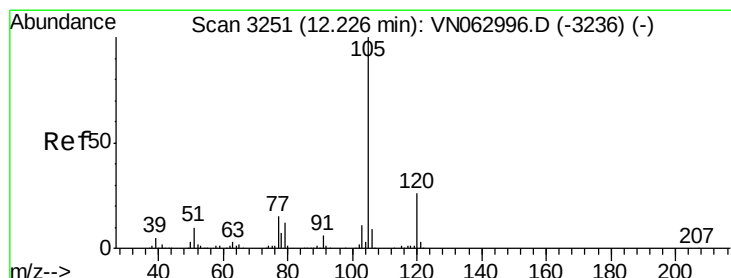
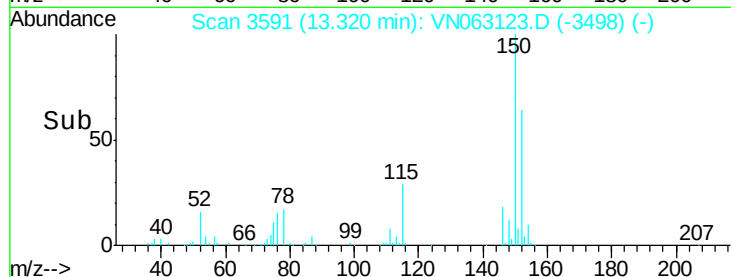
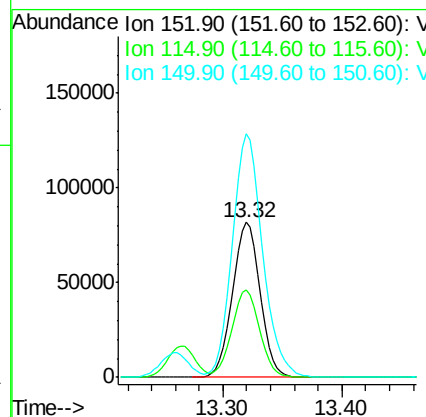
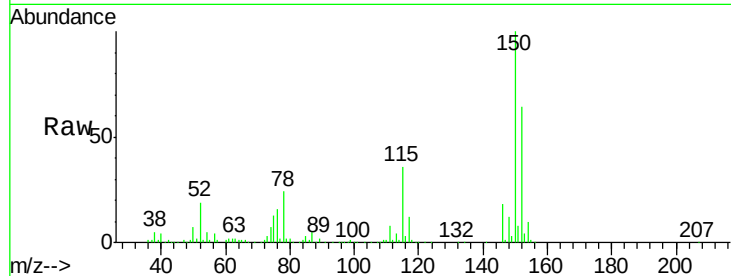
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	152	Resp:	131913
Ion Ratio	Lower	Upper	
152	100		
115	56.6	28.7	86.3
150	171.9	0.0	348.8

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#73

Isopropylbenzene

Concen: 51.190 ug/l

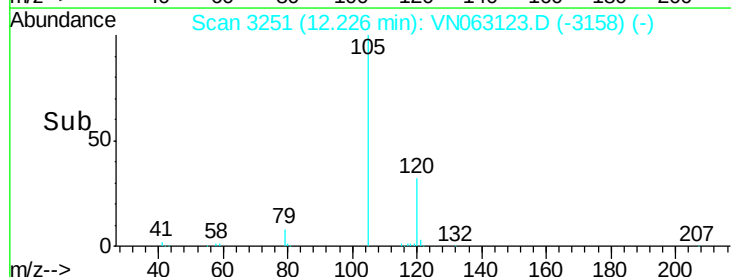
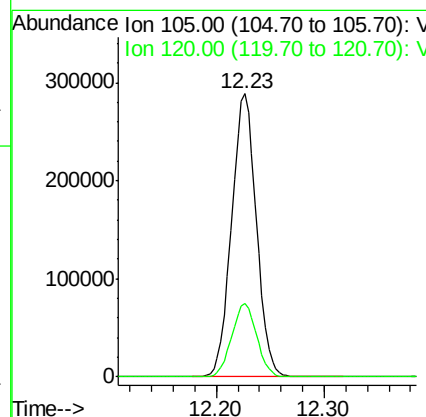
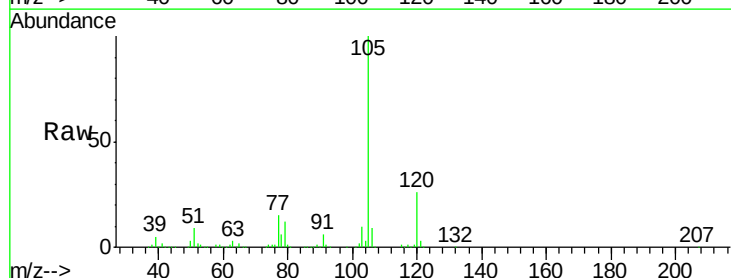
RT: 12.23 min Scan# 3251

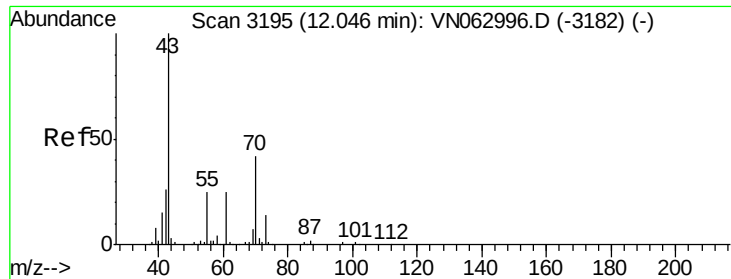
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	105	Resp:	462420
Ion Ratio	Lower	Upper	
105	100		
120	26.1	13.2	39.6





#74

N-amvl acetate

Concen: 64.660 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

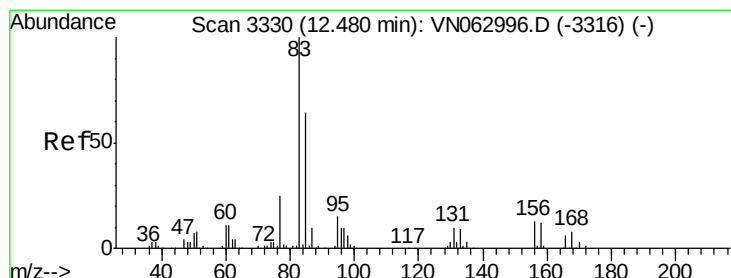
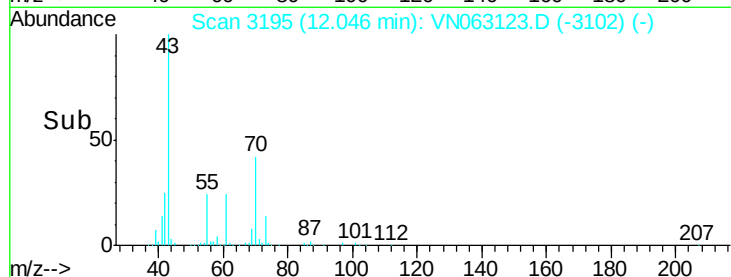
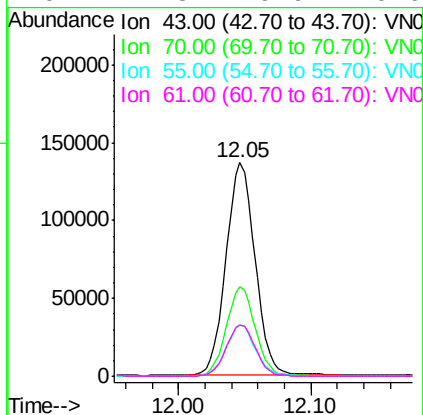
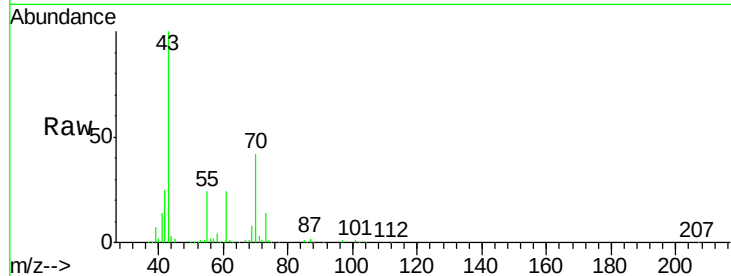
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		209195		
70	42.0	33.4	50.0		
55	24.4	20.2	30.2		
61	24.3	19.9	29.9		

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#75

1,1,2,2-Tetrachloroethane

Concen: 44.799 ug/l

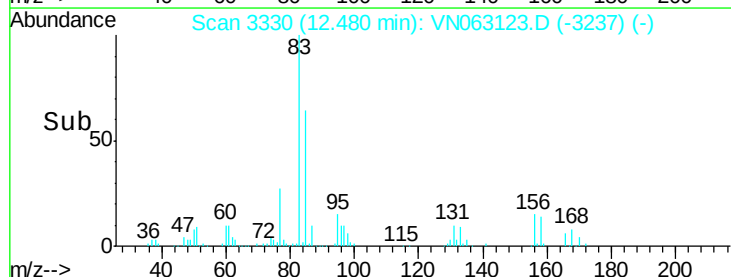
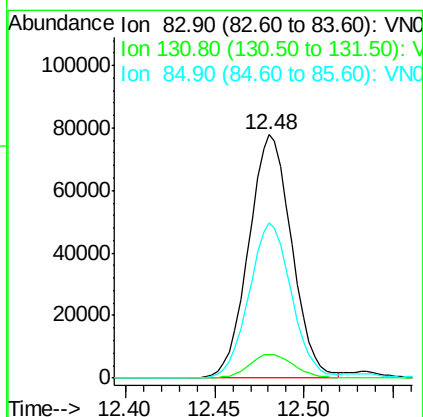
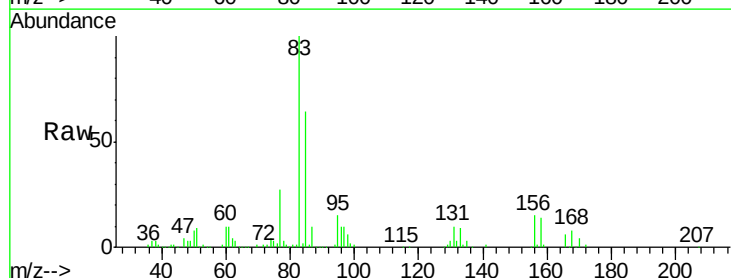
RT: 12.48 min Scan# 3330

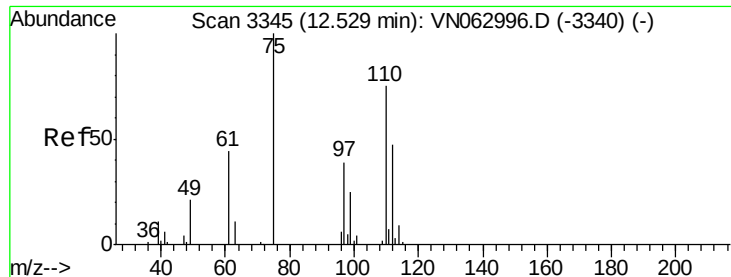
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		131099		
131	10.2	4.9	14.7		
85	62.7	31.9	95.5		





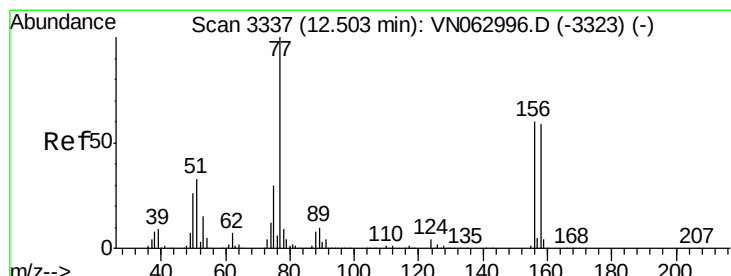
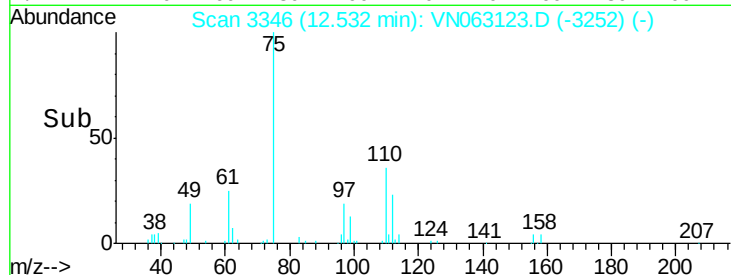
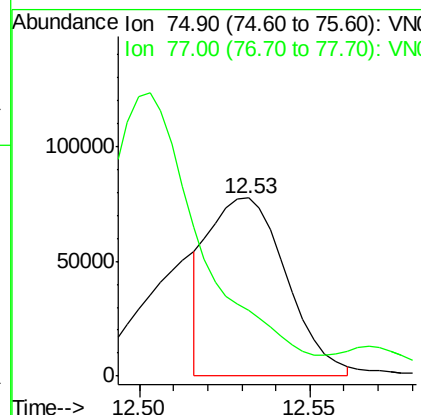
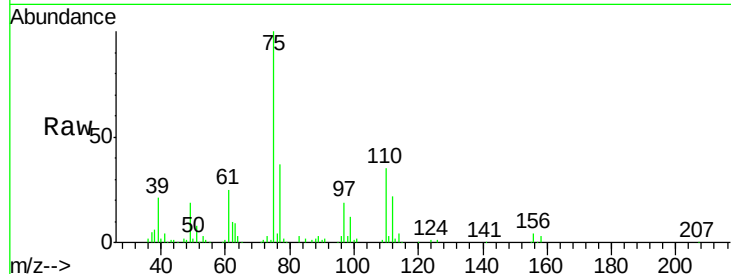
#76
 1,2,3-Trichloropropane
 Concen: 48.109 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

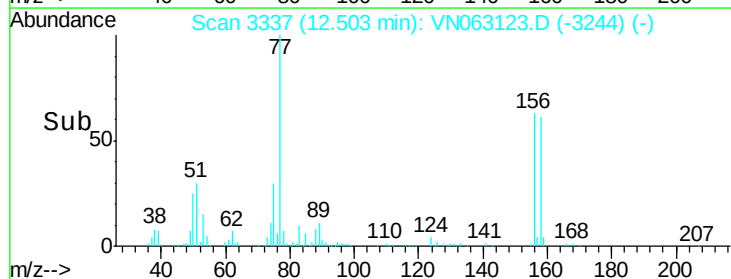
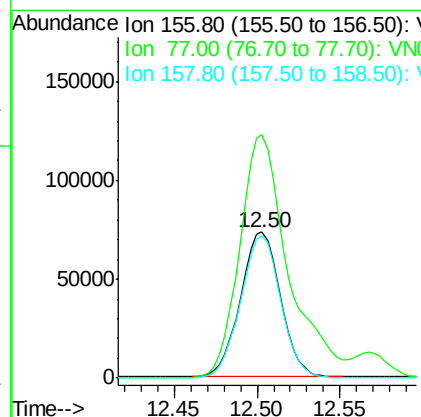
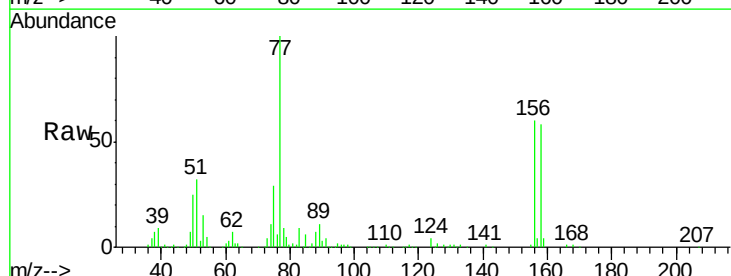
Manual Integrations
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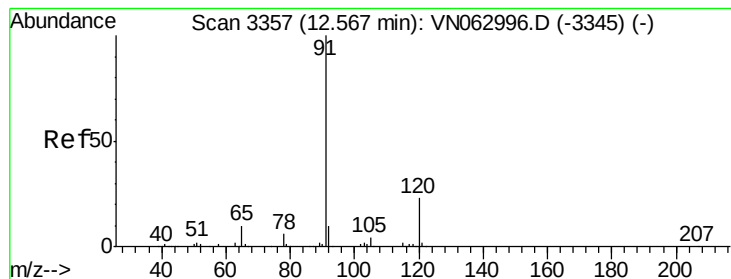
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 8/26/2020 11:27:14 AM



#77
 Bromobenzene
 Concen: 49.640 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
156	100		
77	203.6	101.0	302.9
158	98.5	49.4	148.0





#78

n-propylbenzene

Concen: 50.106 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 91 Resp: 515913

Ion Ratio Lower Upper

91 100

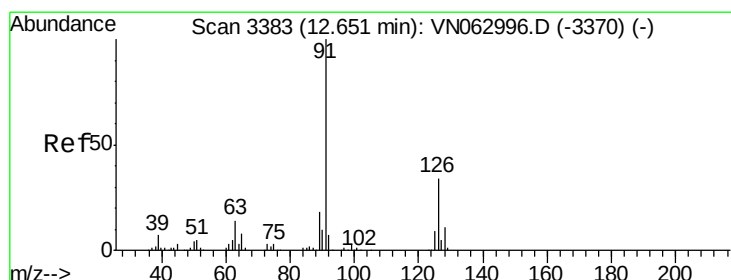
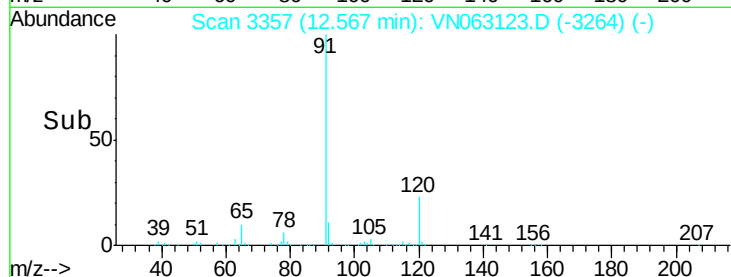
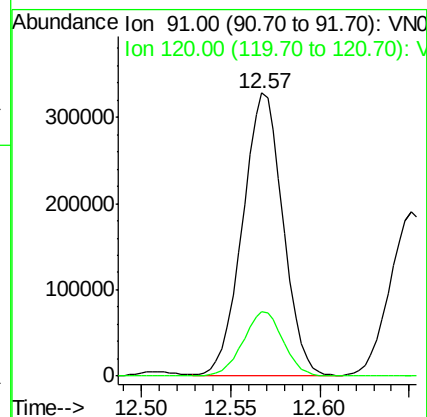
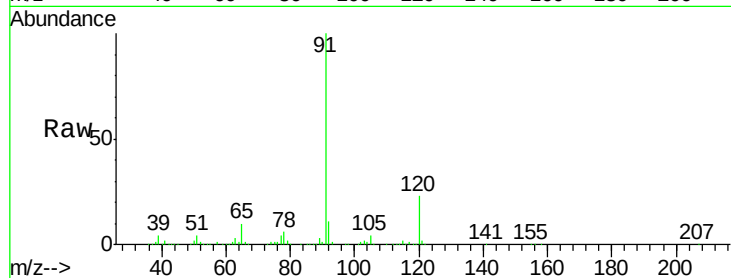
120 22.8 11.4 34.1

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#79

2-Chlorotoluene

Concen: 48.625 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063123.D

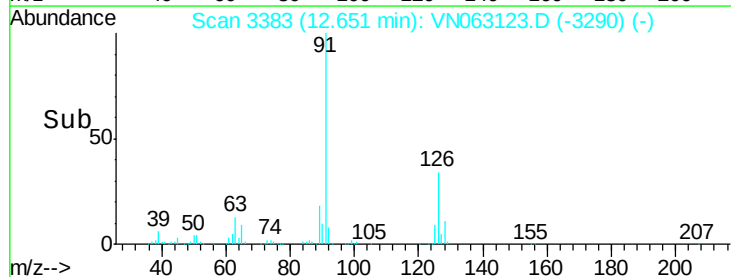
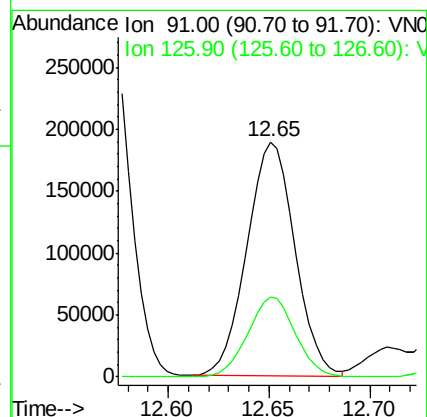
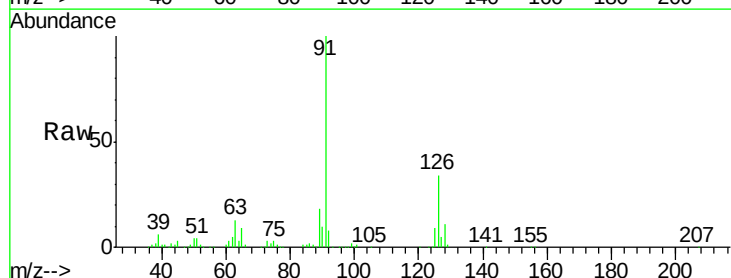
Acq: 25 Aug 2020 19:52

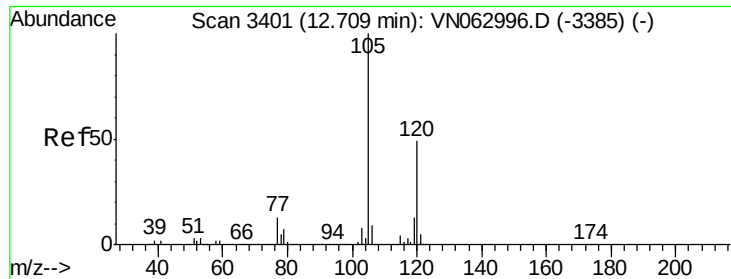
Tgt Ion: 91 Resp: 314914

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2





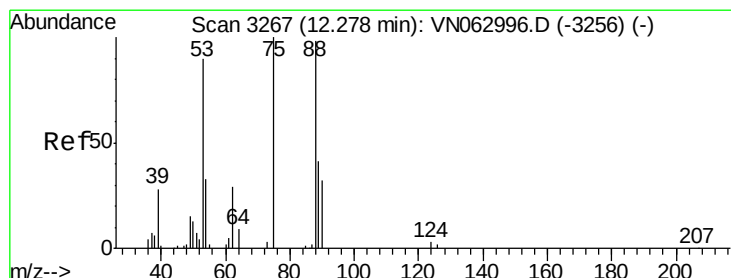
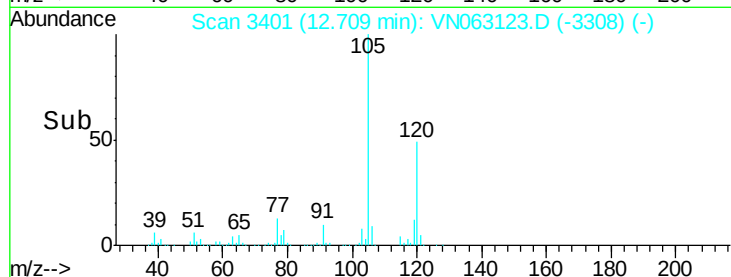
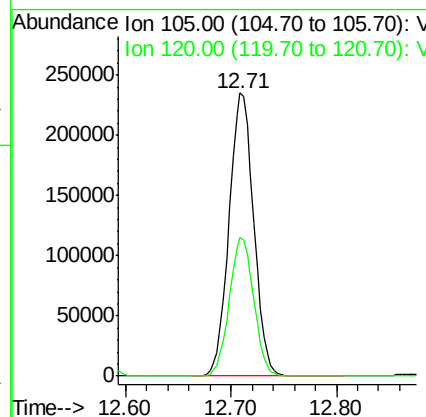
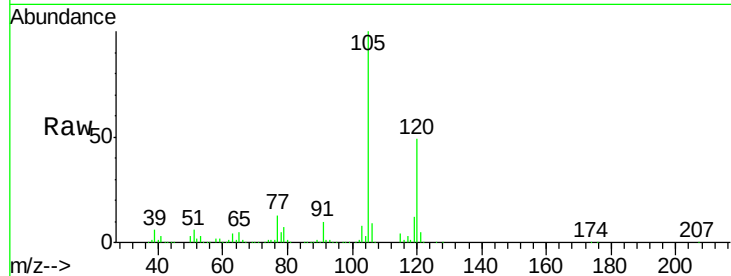
#80
 1,3,5-Trimethylbenzene
 Concen: 50.705 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion: 105 Resp: 378640
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8

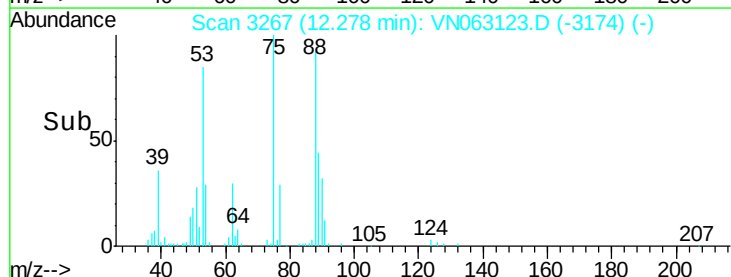
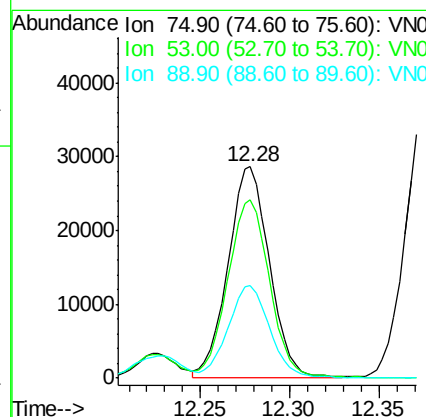
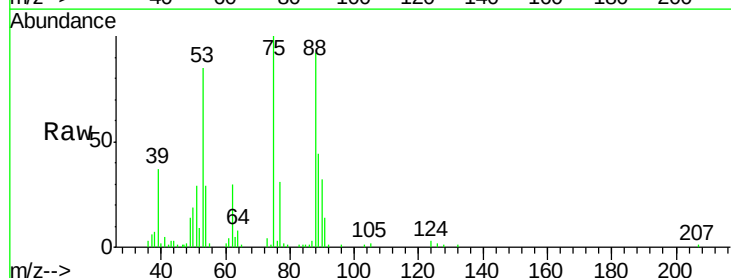
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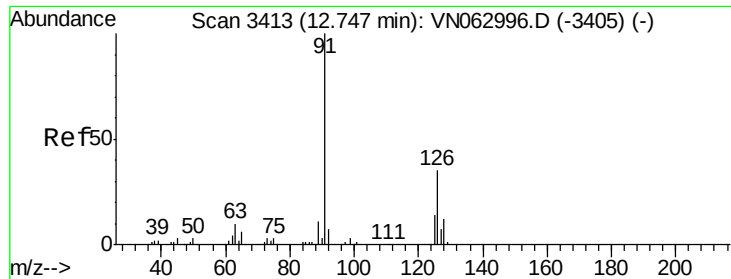
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.659 ug/l
 RT: 12.28 min Scan# 3267
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion: 75 Resp: 46362
 Ion Ratio Lower Upper
 75 100
 53 85.3 69.2 103.8
 89 44.0 34.2 51.4





#82

4-Chlorotoluene

Concen: 49.875 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion: 91 Resp: 328904

Ion Ratio Lower Upper

91 100

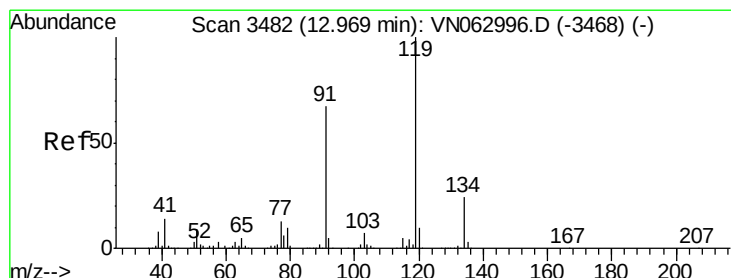
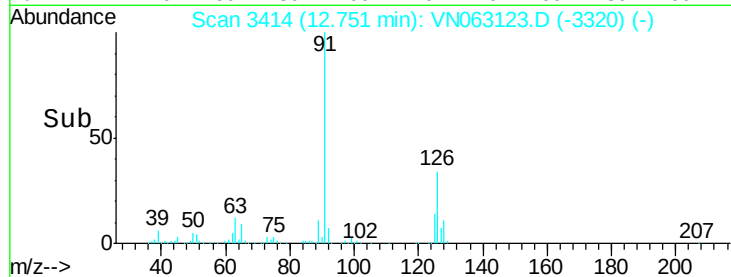
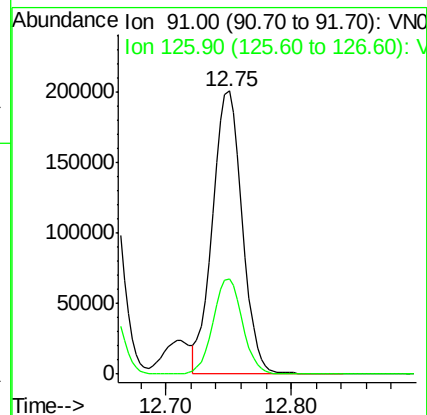
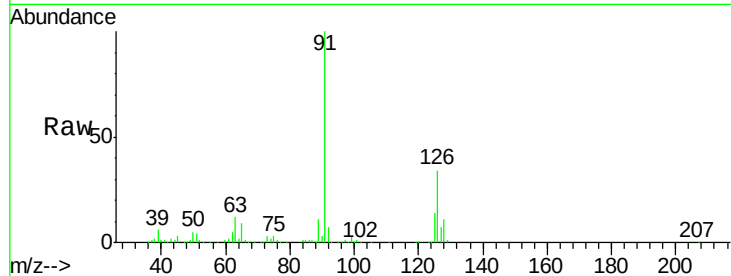
126 33.3 16.5 49.5

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#83

tert-Butylbenzene

Concen: 48.587 ug/l

RT: 12.97 min Scan# 3483

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

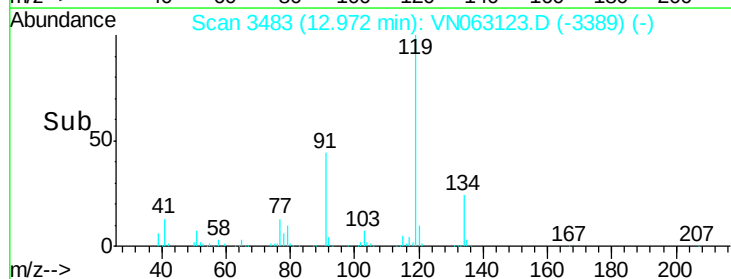
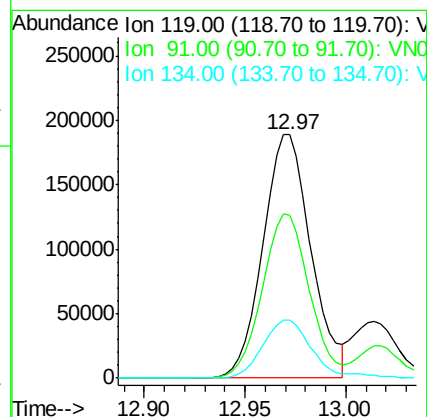
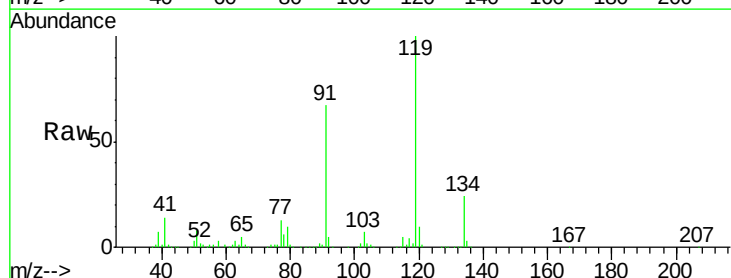
Tgt Ion: 119 Resp: 313155

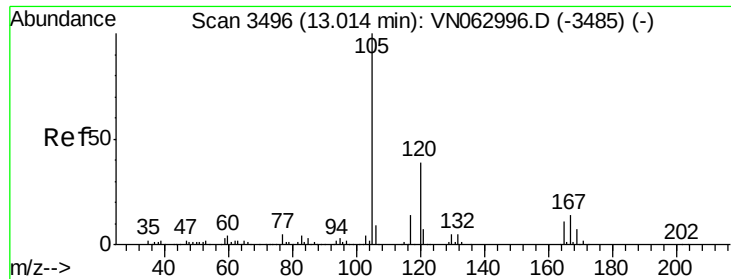
Ion Ratio Lower Upper

119 100

91 65.4 32.5 97.4

134 24.6 13.1 39.3





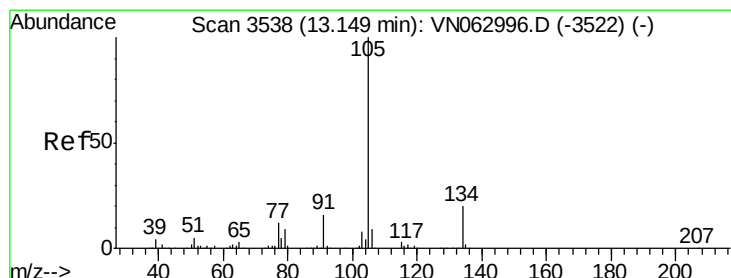
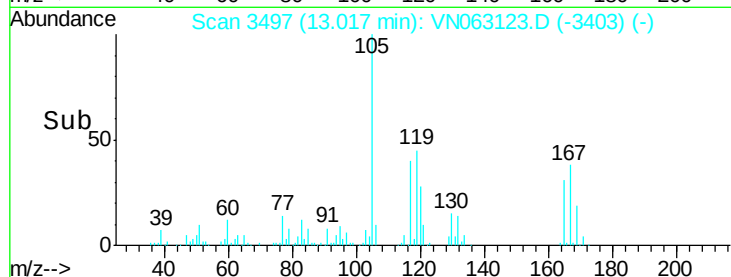
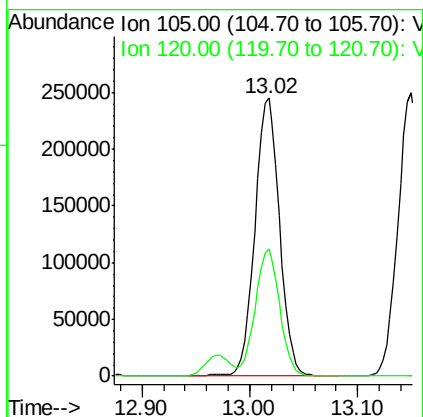
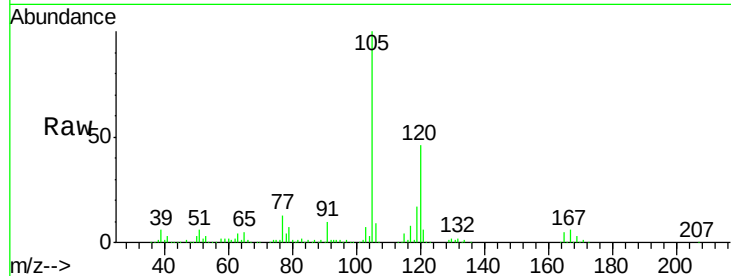
#84
 1,2,4-Trimethylbenzene
 Concen: 53.379 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.5	67.5

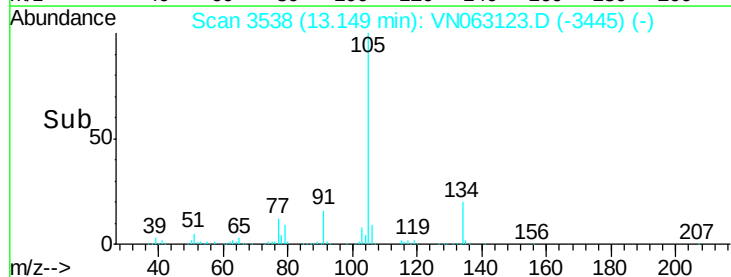
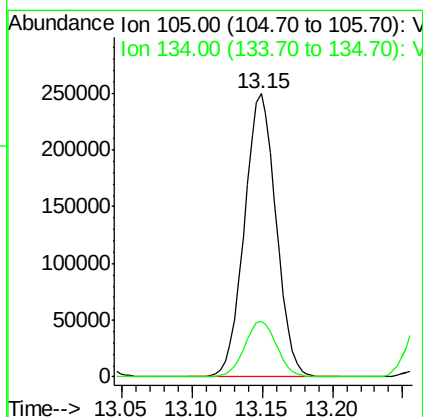
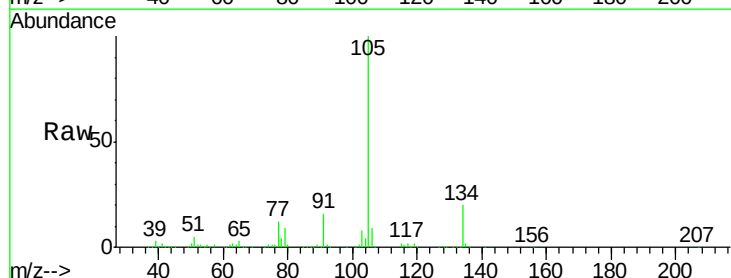
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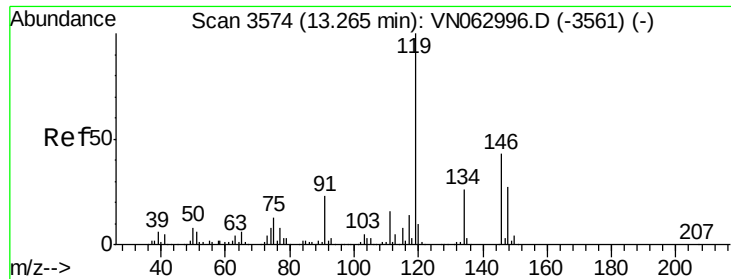
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#85
 sec-Butylbenzene
 Concen: 44.990 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4





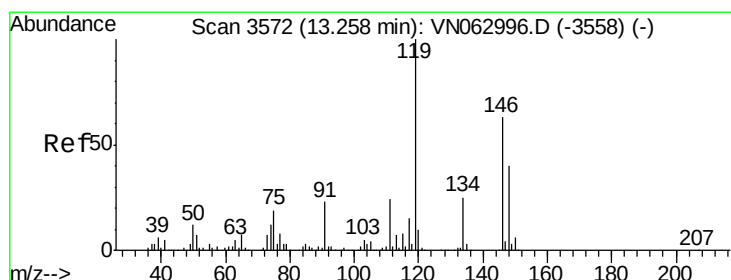
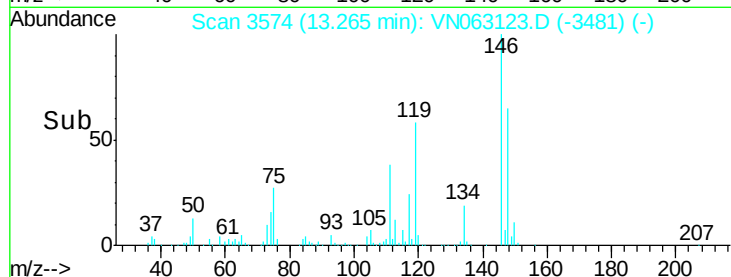
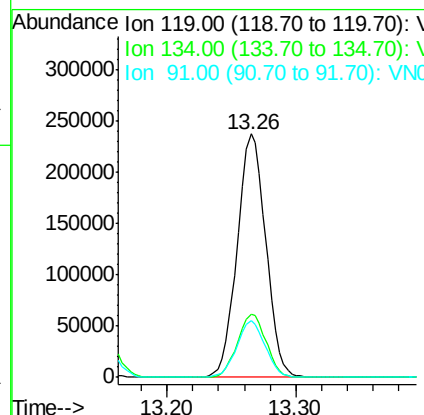
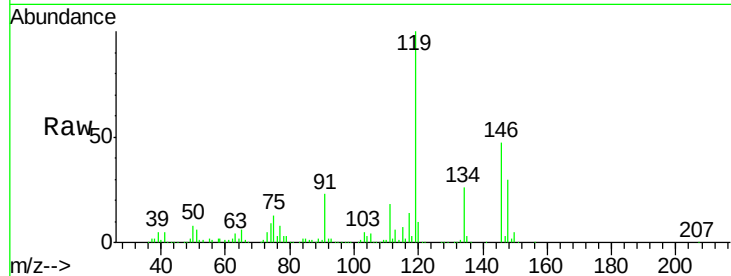
#86
 p-Isopropyltoluene
 Concen: 47.936 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363829		
134	26.2		13.1	39.3
91	22.8		11.5	34.4

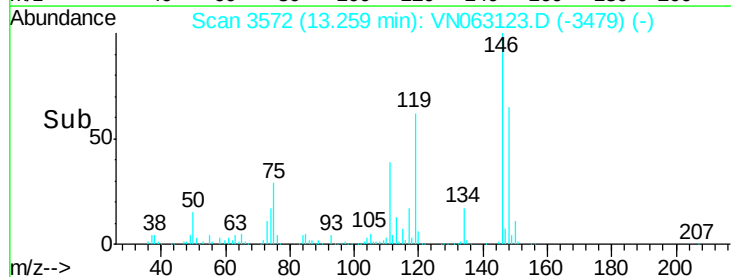
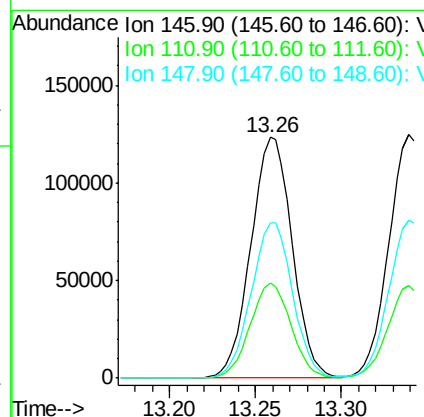
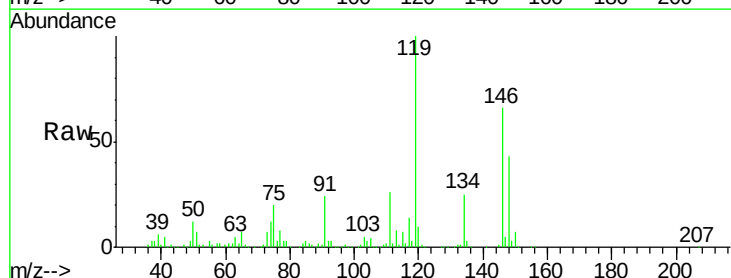
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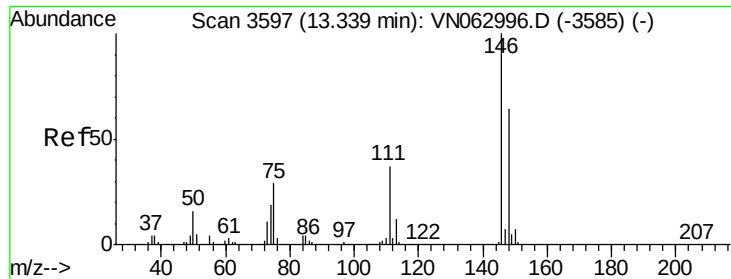
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#87
 1,3-Dichlorobenzene
 Concen: 48.194 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	205775		
111	38.9		19.4	58.1
148	64.4		32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 47.817 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

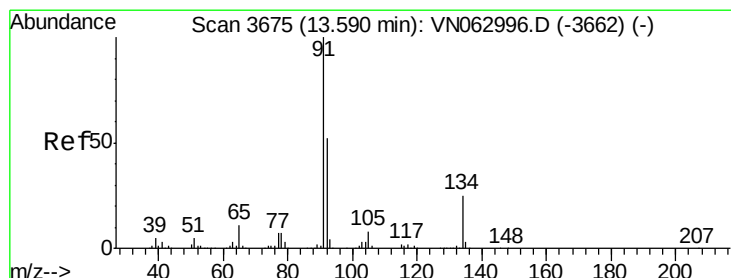
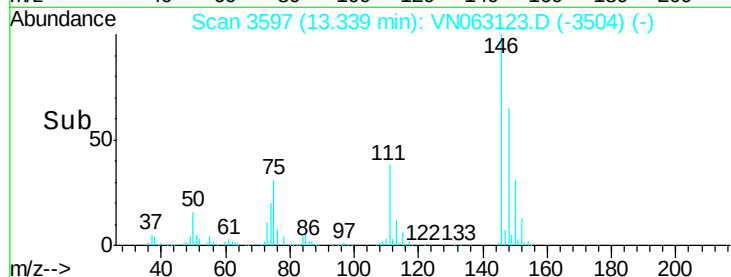
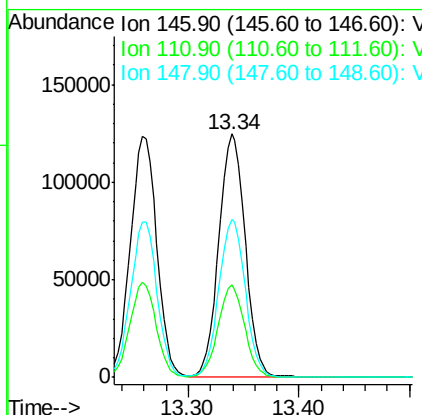
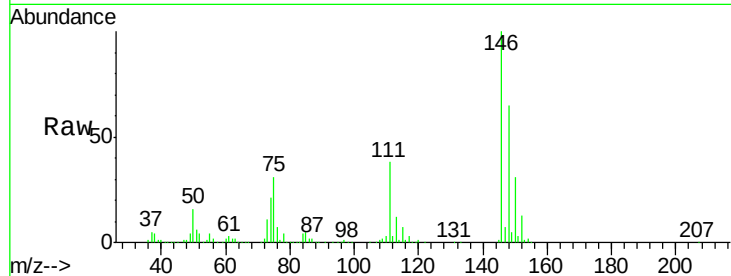
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	146	Resp:	207225
Ion Ratio		Lower	Upper
146	100		
111	38.1	18.8	56.4
148	65.2	32.4	97.0

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#89

n-Butylbenzene

Concen: 43.323 ug/l

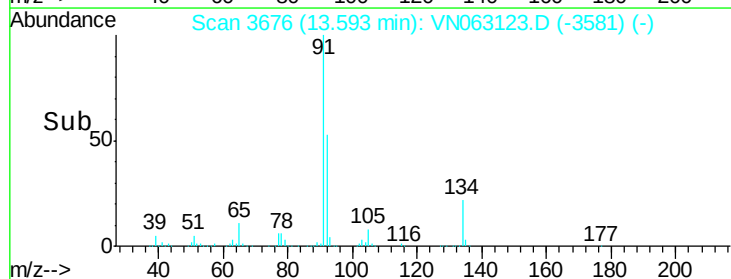
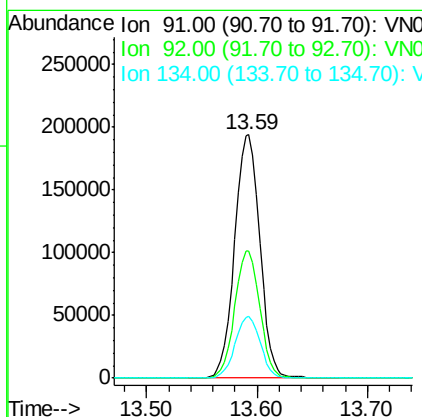
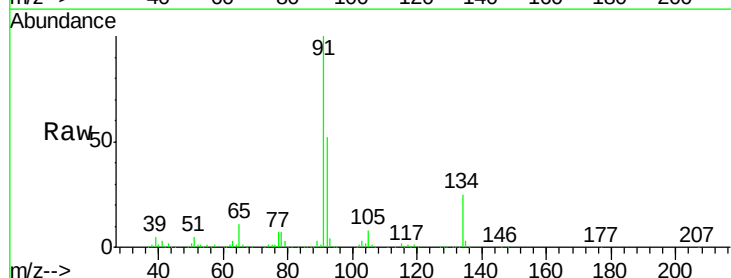
RT: 13.59 min Scan# 3676

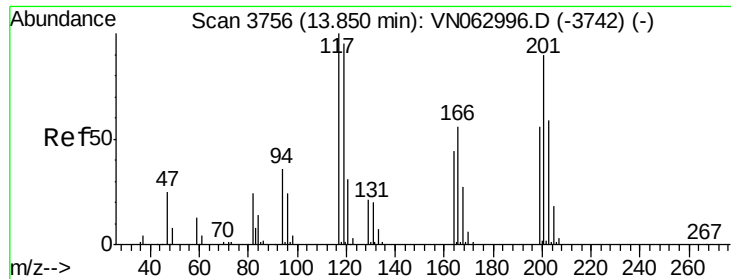
Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	91	Resp:	308828
Ion Ratio		Lower	Upper
91	100		
92	51.8	25.9	77.6
134	25.1	12.4	37.0





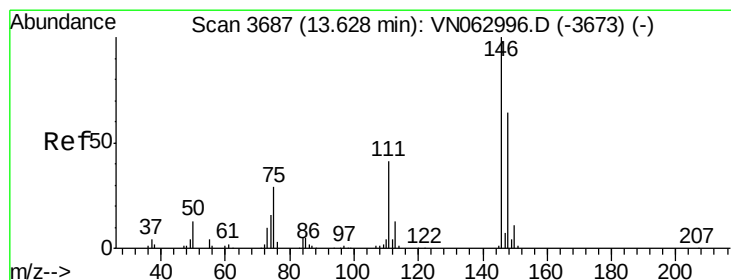
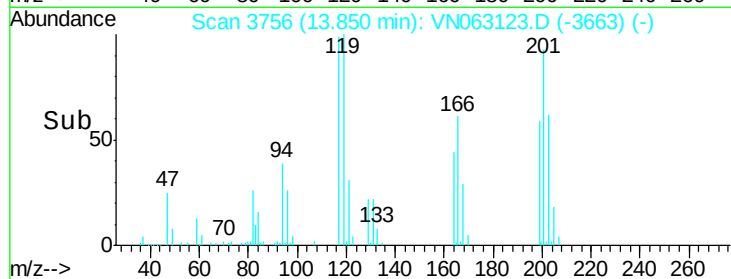
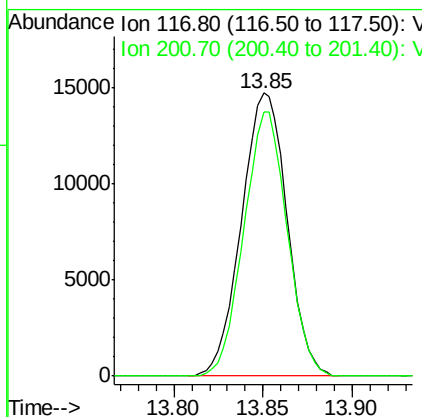
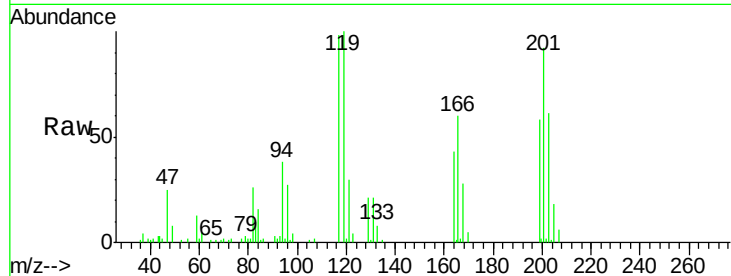
#90
Hexachloroethane
Concen: 16.284 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.1	132.4

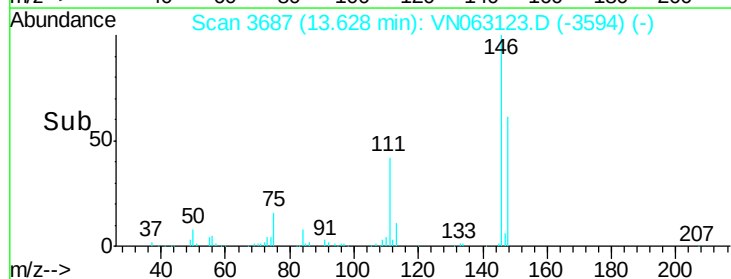
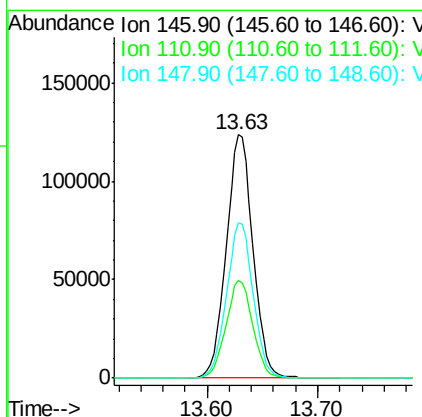
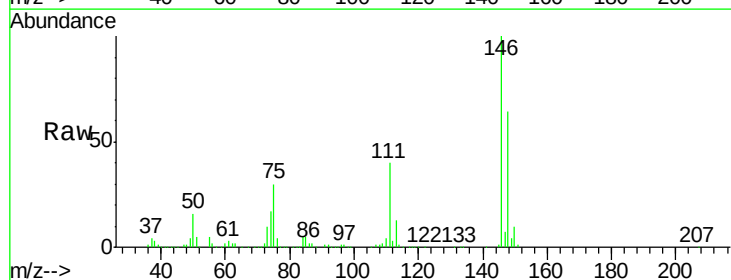
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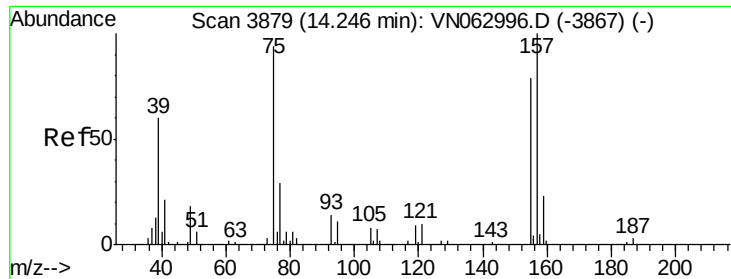
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#91
1,2-Dichlorobenzene
Concen: 50.254 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN063123.D
Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	63.6	31.9	95.5





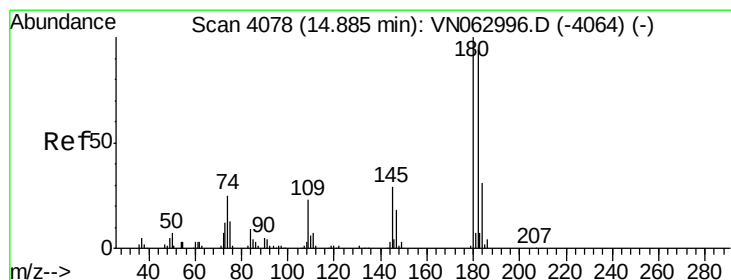
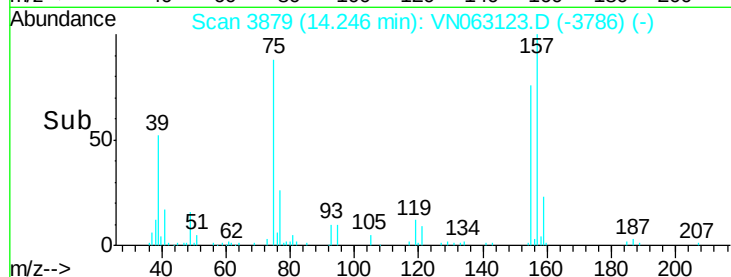
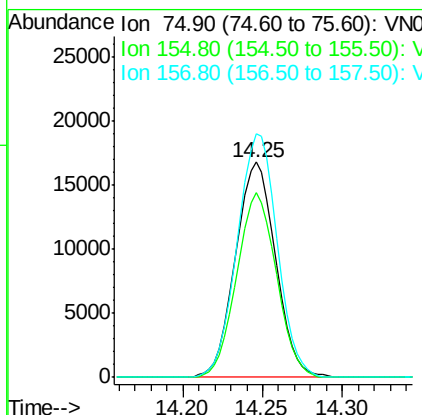
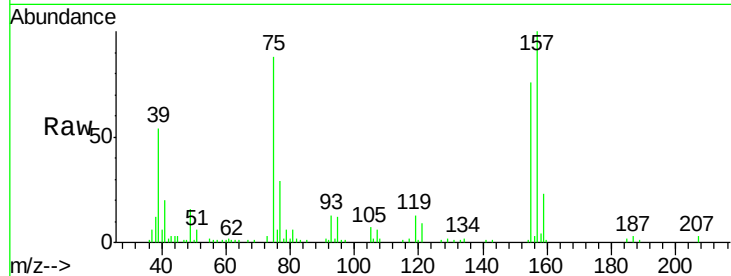
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.265 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.1
157	112.9	55.2	165.6

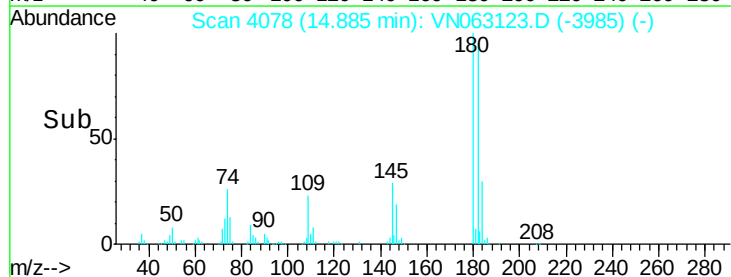
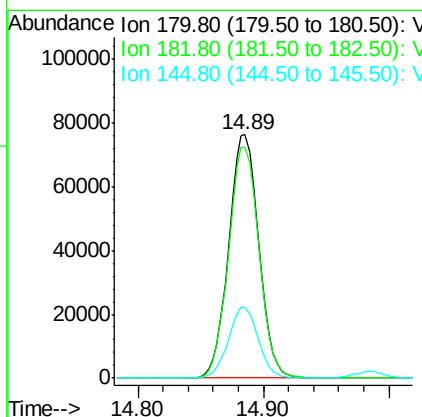
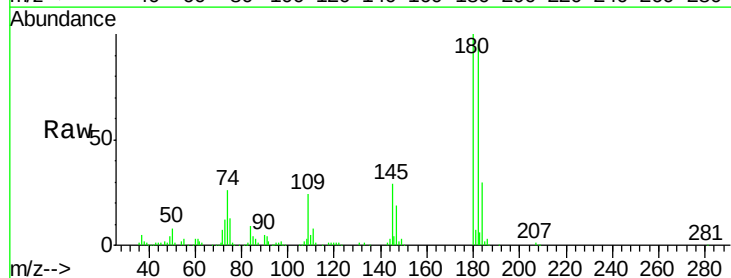
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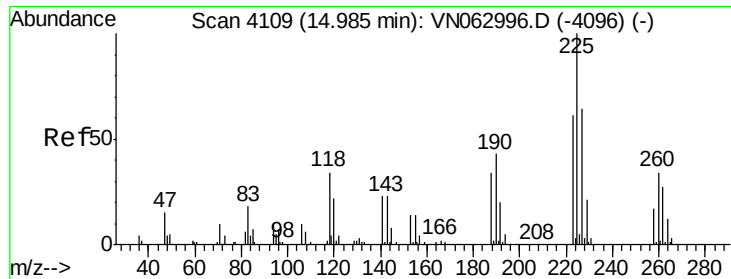
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#93
 1,2,4-Trichlorobenzene
 Concen: 55.120 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.2
145	29.1	14.1	42.4





#94

Hexachlorobutadiene

Concen: 29.146 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Instrument :

MSVOA_N

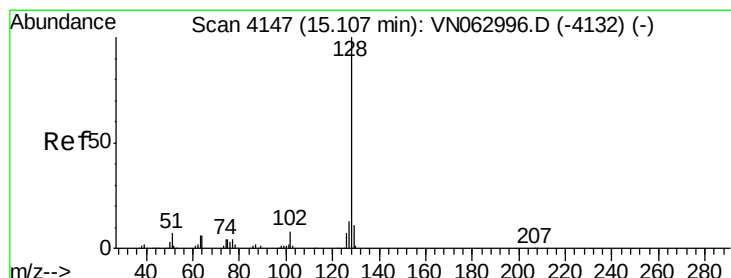
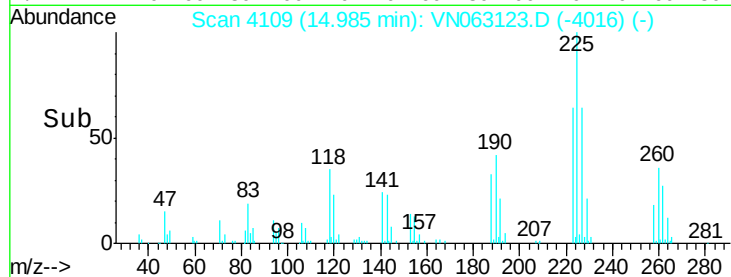
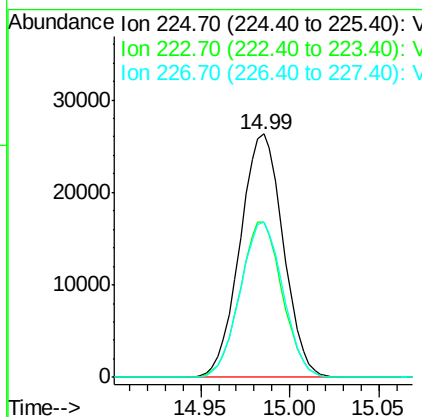
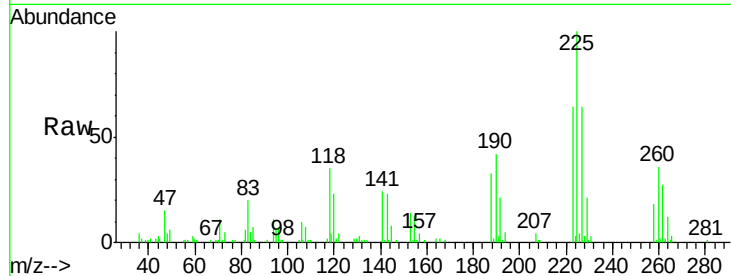
ClientSampleId :

BP-VPB181-GW-498-500MS

Tot Ion:	225	Resp:	44420
Ion Ratio		Lower	Upper
225	100		
223	62.6	30.9	92.5
227	63.0	31.9	95.9

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#95

Naphthalene

Concen: 73.891 ug/l

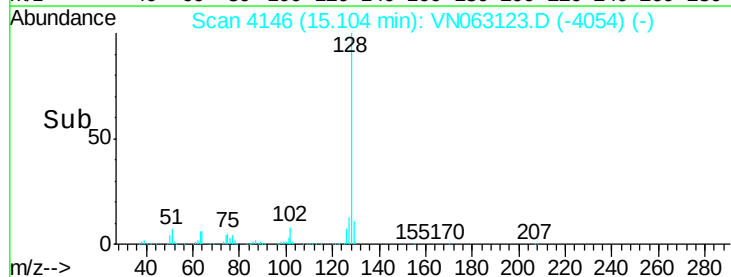
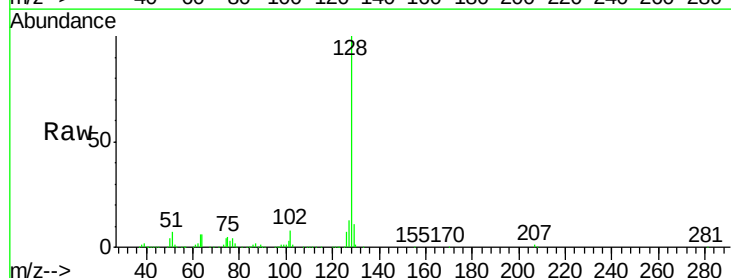
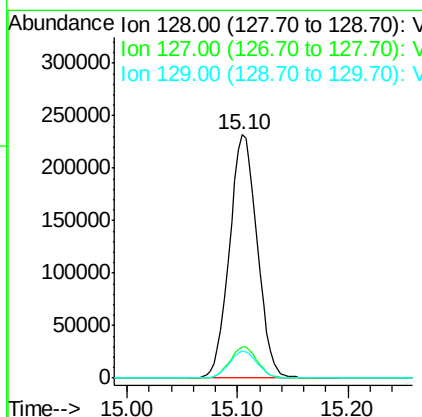
RT: 15.10 min Scan# 4146

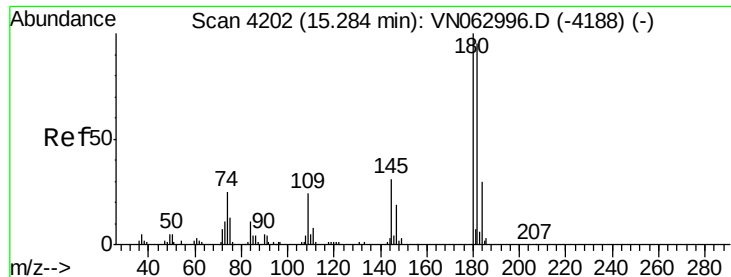
Delta R.T. -0.00 min

Lab File: VN063123.D

Acq: 25 Aug 2020 19:52

Tgt Ion:	128	Resp:	404899
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.1	8.9	13.3





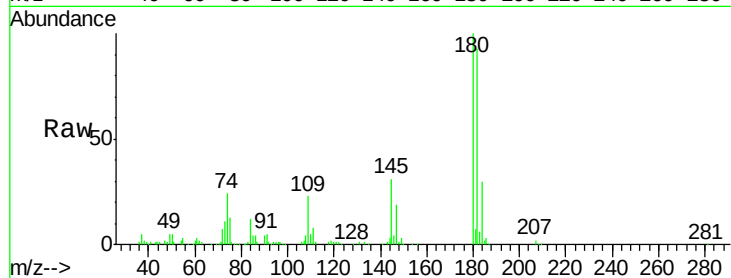
#96
 1,2,3-Trichlorobenzene
 Concen: 56.180 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN063123.D
 Acq: 25 Aug 2020 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.2	47.3	141.9
145	30.8	15.6	46.7

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 11:27:14 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

