

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063234.D
 Acq On : 4 Sep 2020 9:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:34:30 PM

Quant Time: Sep 07 00:25:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	352746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	627316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	589113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	285437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	296130	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.55	113	222782	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
50) Toluene-d8	10.06	98	863711	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
62) 4-Bromofluorobenzene	12.38	95	301545	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	150153	43.222	ug/l	100
3) Chloromethane	2.03	50	208769	41.270	ug/l	99
4) Vinyl Chloride	2.17	62	252382	45.166	ug/l	98
5) Bromomethane	2.53	94	228692	48.620	ug/l	95
6) Chloroethane	2.67	64	223313	50.263	ug/l	98
7) Trichlorofluoromethane	2.98	101	408009	53.172	ug/l	95
8) Diethyl Ether	3.37	74	115316	43.132	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	181534	47.796	ug/l	98
10) Methyl Iodide	3.91	142	221401	42.740	ug/l	99
11) Tert butyl alcohol	4.72	59	156580	221.215	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	173415	44.808	ug/l	98
13) Acrolein	3.57	56	50587	191.650	ug/l	97
14) Allyl chloride	4.27	41	312513	45.467	ug/l	96
15) Acrylonitrile	4.93	53	444960	224.669	ug/l	99
16) Acetone	3.77	43	449671	274.321	ug/l	99
17) Carbon Disulfide	4.01	76	480510	41.713	ug/l	98
18) Methyl Acetate	4.27	43	215532	51.280	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	647932	45.130	ug/l	97
20) Methylene Chloride	4.50	84	212569	46.079	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	207547	48.540	ug/l	98
22) Diisopropyl ether	5.89	45	705505	45.804	ug/l	99
23) Vinyl Acetate	5.84	43	2955377	240.467	ug/l	100
24) 1,1-Dichloroethane	5.79	63	395658	46.596	ug/l	99
25) 2-Butanone	6.78	43	663392	261.367	ug/l	100
26) 2,2-Dichloropropane	6.77	77	364442	47.371	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	244816	47.106	ug/l	98
28) Bromochloromethane	7.15	49	199344	44.935	ug/l	100
29) Tetrahydrofuran	7.16	42	417377	237.819	ug/l	99
30) Chloroform	7.33	83	417817	47.031	ug/l	100
31) Cyclohexane	7.61	56	337159	44.878	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	364714	47.642	ug/l	99
36) 1,1-Dichloropropene	7.75	75	305880	50.721	ug/l	98
37) Ethyl Acetate	6.87	43	275188	48.337	ug/l #	95
38) Carbon Tetrachloride	7.73	117	304054	49.715	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	346348	51.121	ug/l	98
40) Benzene	8.00	78	906273	51.138	ug/l	99
41) Methacrylonitrile	7.12	41	111969	44.072	ug/l #	63
42) 1,2-Dichloroethane	8.08	62	343349	51.866	ug/l	100
43) Isopropyl Acetate	8.12	43	505888	51.437	ug/l	100
44) Trichloroethene	8.80	130	230161	53.543	ug/l	99
45) 1,2-Dichloropropane	9.08	63	237418	50.599	ug/l	95
46) Dibromomethane	9.17	93	162097	52.130	ug/l	98
47) Bromodichloromethane	9.37	83	342433	51.377	ug/l	99
48) Methyl methacrylate	9.16	41	225281	50.811	ug/l	91
49) 1,4-Dioxane	9.16	88	72606	1058.759	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1475336	276.047	ug/l	100
52) Toluene	10.12	92	594103	53.815	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	369665	50.704	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	397747	51.974	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	225841	53.417	ug/l	98
56) Ethyl methacrylate	10.40	69	335185	52.095	ug/l	99
57) 1,3-Dichloropropane	10.68	76	393955	52.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	857307	257.307	ug/l	99
59) 2-Hexanone	10.72	43	1107864	294.955	ug/l	99
60) Dibromochloromethane	10.87	129	248643	53.195	ug/l	99
61) 1,2-Dibromoethane	10.97	107	232632	52.931	ug/l	97
64) Tetrachloroethene	10.60	164	244181	57.720	ug/l	94
65) Chlorobenzene	11.41	112	608748	51.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	226016	51.304	ug/l	99
67) Ethyl Benzene	11.48	91	1157175	53.459	ug/l	99
68) m/p-Xylenes	11.60	106	852277	106.309	ug/l	98
69) o-Xylene	11.92	106	404108	52.178	ug/l	97
70) Styrene	11.94	104	699896	52.584	ug/l	99
71) Bromoform	12.10	173	154411	51.648	ug/l #	96
73) Isopropylbenzene	12.22	105	1118941	51.110	ug/l	99
74) N-amyl acetate	12.05	43	455596	50.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	293583	46.514	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	285569m	50.920	ug/l	
77) Bromobenzene	12.50	156	244218	49.325	ug/l	98
78) n-propylbenzene	12.57	91	1336067	52.739	ug/l	99
79) 2-Chlorotoluene	12.65	91	755349	49.782	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	942067	51.698	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	104164	44.892	ug/l	93
82) 4-Chlorotoluene	12.75	91	787180	50.022	ug/l	99
83) tert-Butylbenzene	12.97	119	784949	50.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	946780	51.546	ug/l	99
85) sec-Butylbenzene	13.15	105	1076938	52.874	ug/l	99
86) p-Isopropyltoluene	13.26	119	966473	53.446	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	464624	51.082	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	470478	49.954	ug/l	99
89) n-Butylbenzene	13.59	91	896244	53.649	ug/l	99
90) Hexachloroethane	13.85	117	158690	47.406	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	459034	52.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	64714	46.636	ug/l	99

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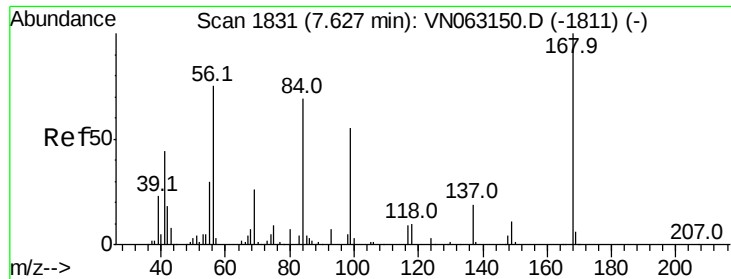
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	256713	52.058	ug/l	97
94) Hexachlorobutadiene	14.98	225	92705	50.324	ug/l	96
95) Naphthalene	15.10	128	819920	49.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	246088	51.221	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 352746

Ion Ratio Lower Upper

168 100

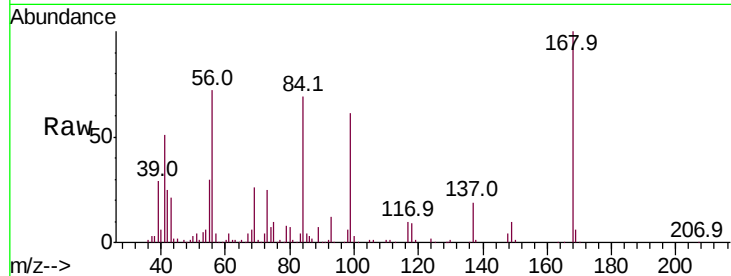
99 60.5 54.2 81.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

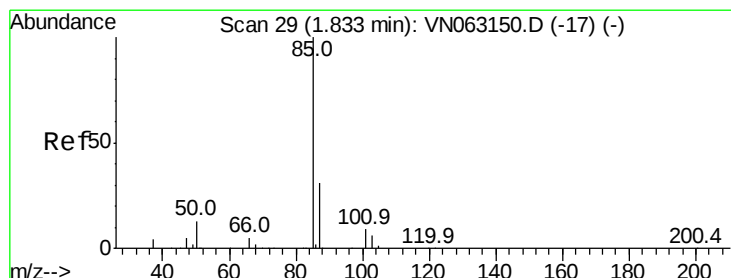
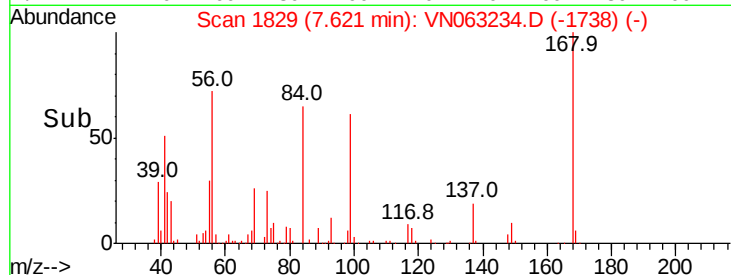
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.222 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063234.D

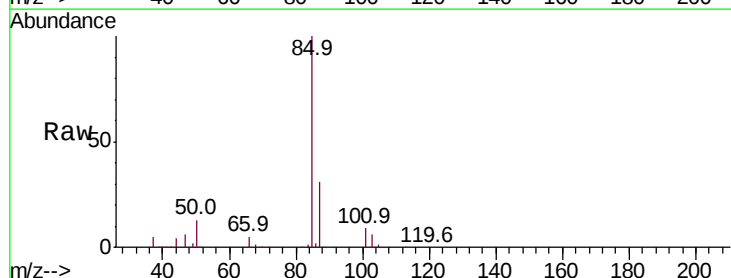
Acq: 4 Sep 2020 9:20

Tgt Ion: 85 Resp: 150153

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

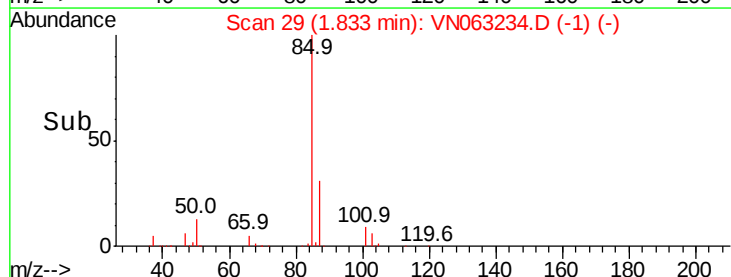
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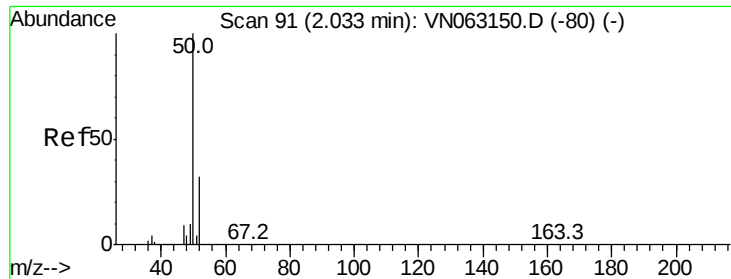
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.270 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 208769

Ion Ratio Lower Upper

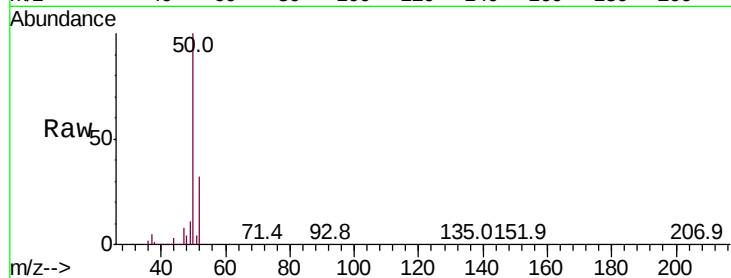
50 100

52 32.5 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

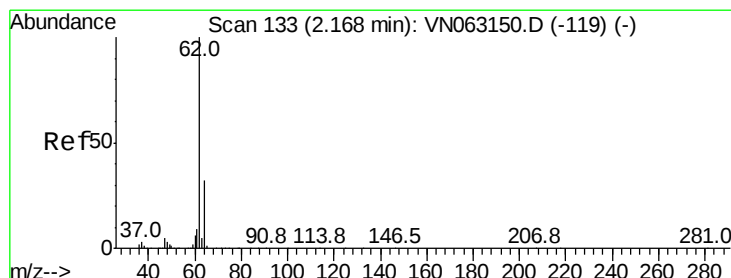
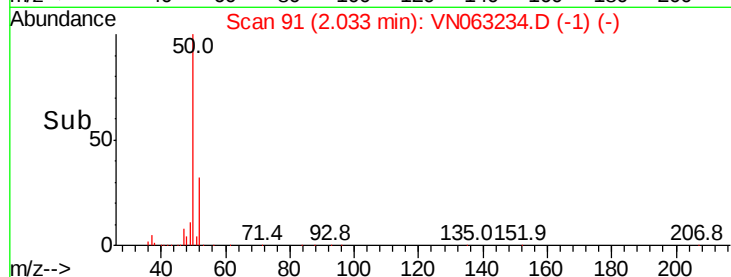
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 45.166 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063234.D

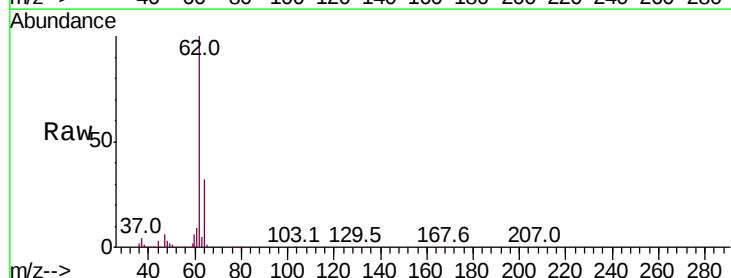
Acq: 4 Sep 2020 9:20

Tgt Ion: 62 Resp: 252382

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

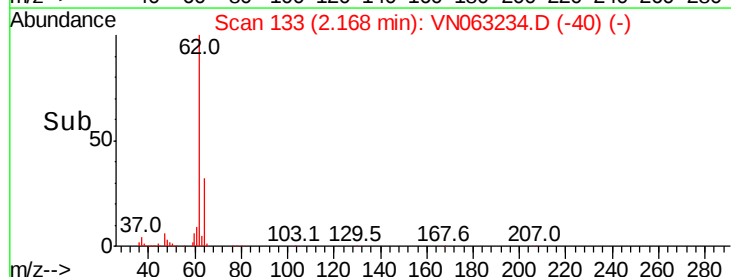
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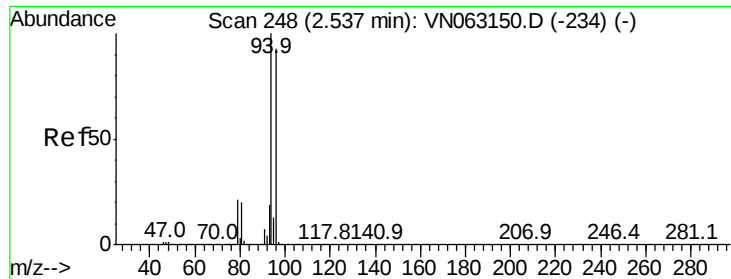
100000

50000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 48.620 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 228692

Ion Ratio Lower Upper

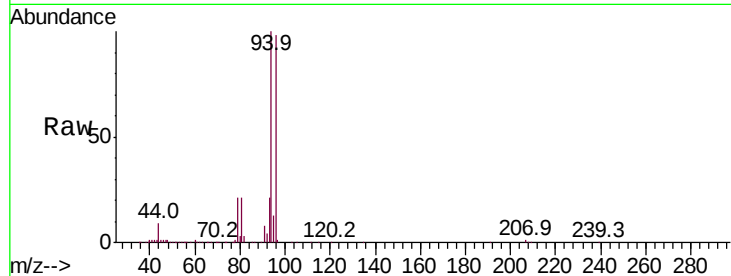
94 100

96 98.3 74.4 111.6

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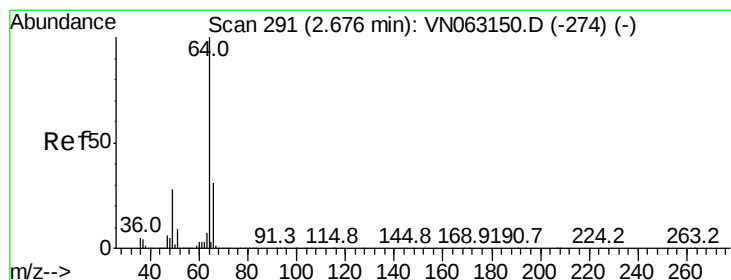
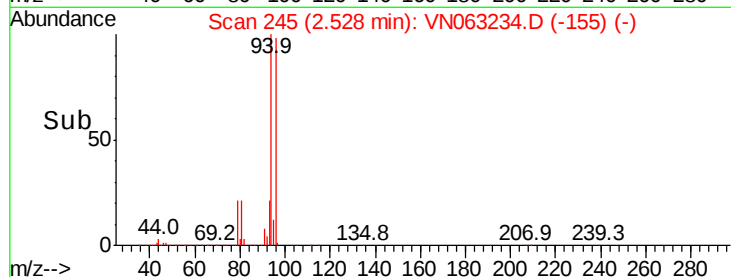
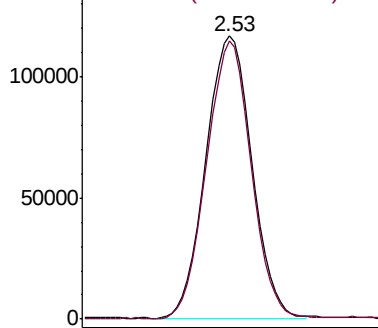
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.263 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN063234.D

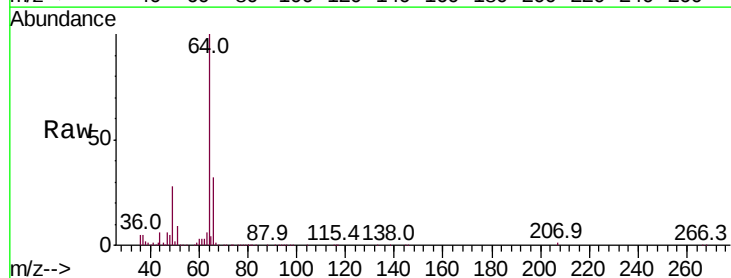
Acq: 4 Sep 2020 9:20

Tgt Ion: 64 Resp: 223313

Ion Ratio Lower Upper

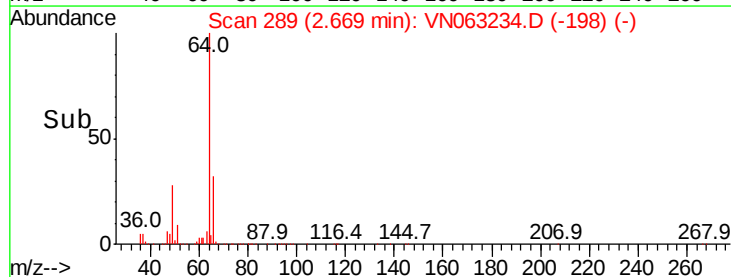
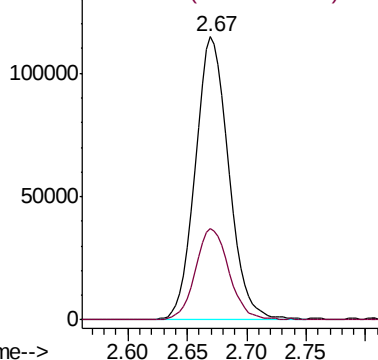
64 100

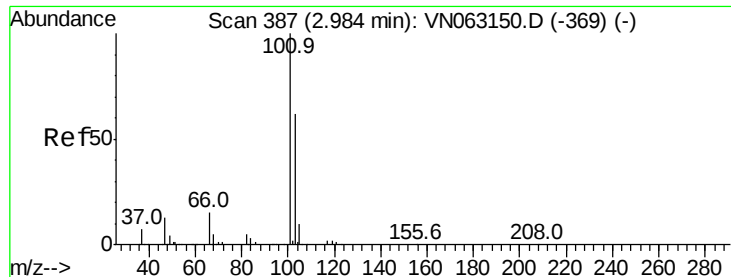
66 32.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

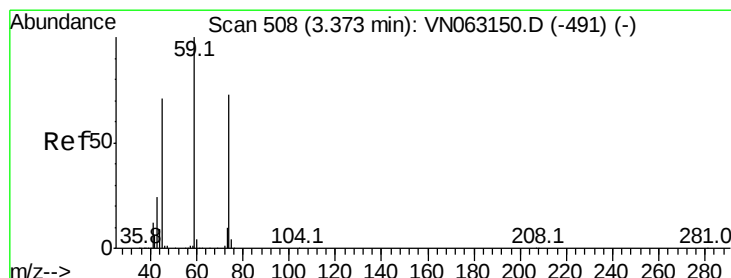
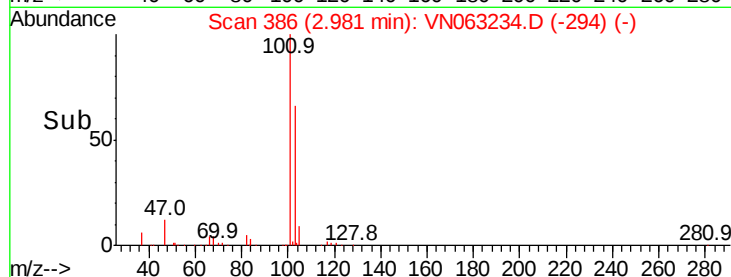
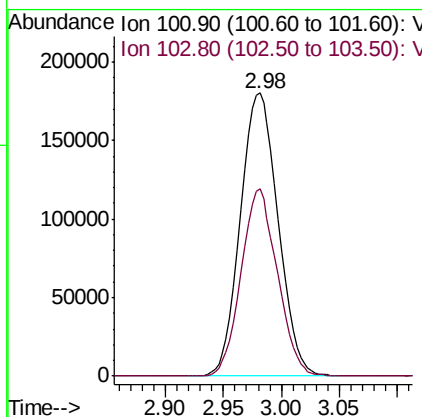
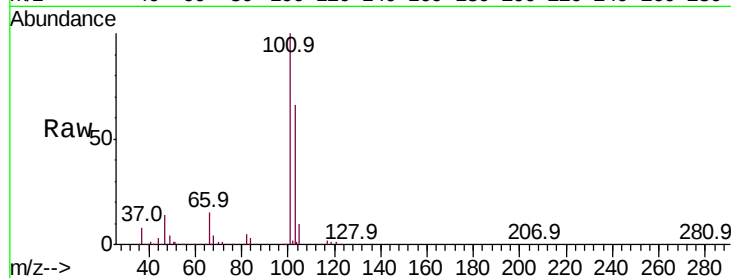
Trichlorofluoromethane
Concen: 53.172 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.2	49.7	74.5	

Manual Integrations
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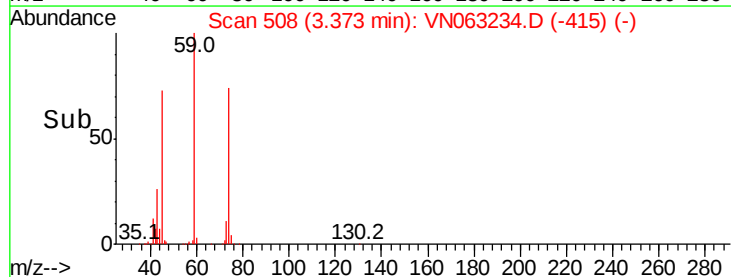
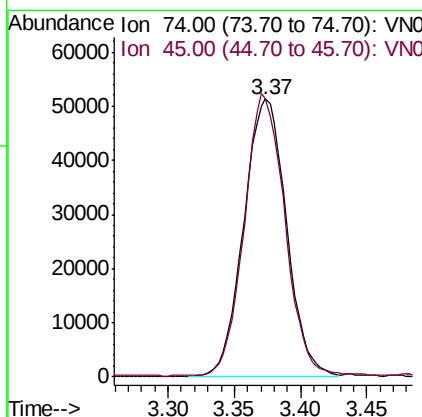
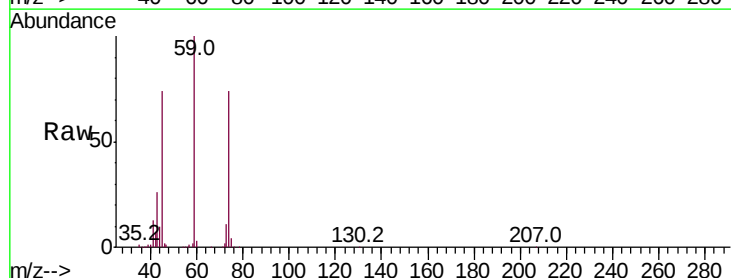
MMDadoda
9/8/2020 5:34:30 PM

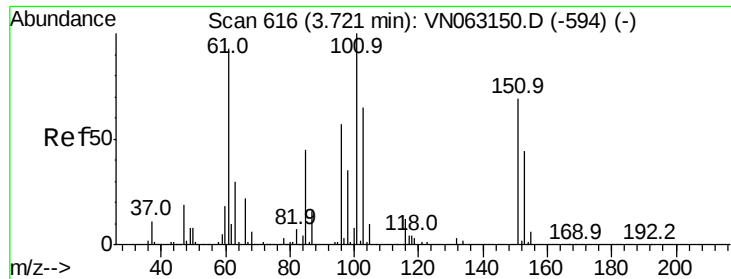


#8

Diethyl Ether
Concen: 43.132 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.7	49.5	148.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.796 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

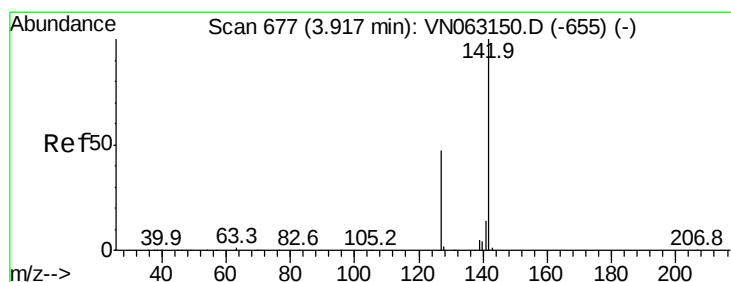
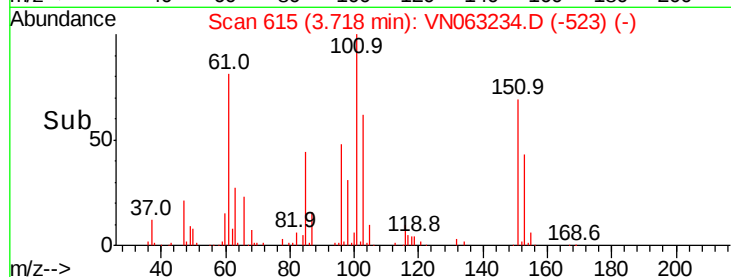
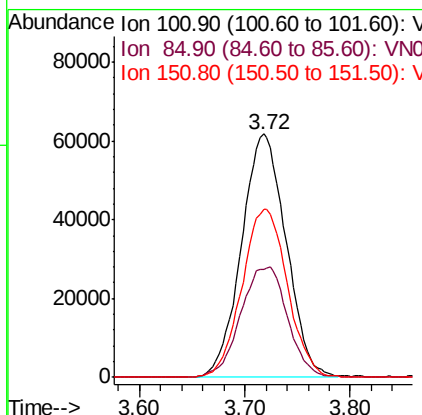
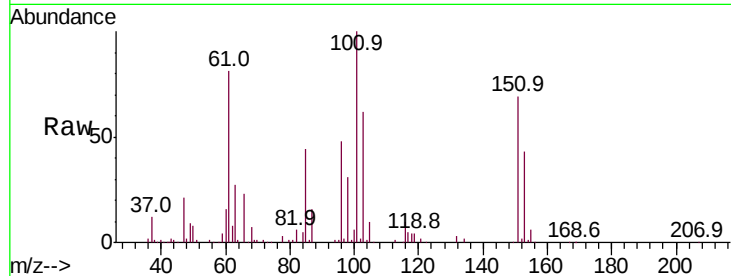
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	181534
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.8	56.8
151	70.5	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 42.740 ug/l

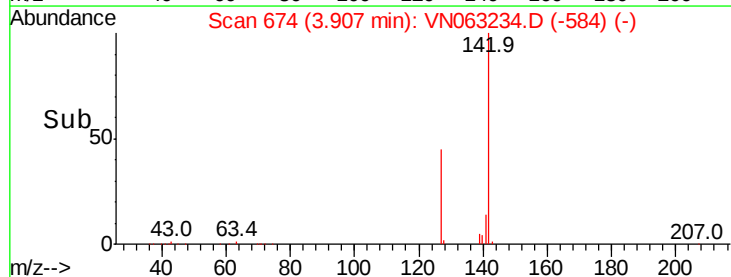
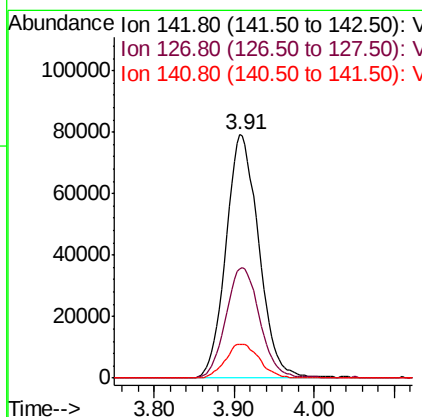
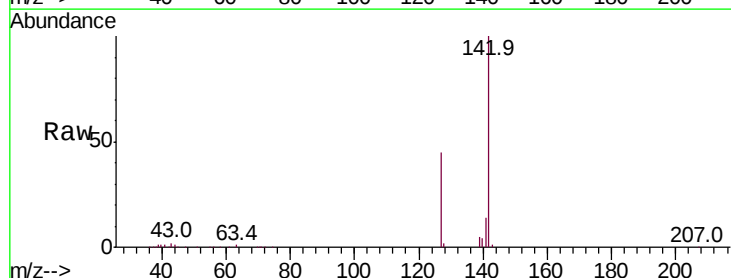
RT: 3.91 min Scan# 674

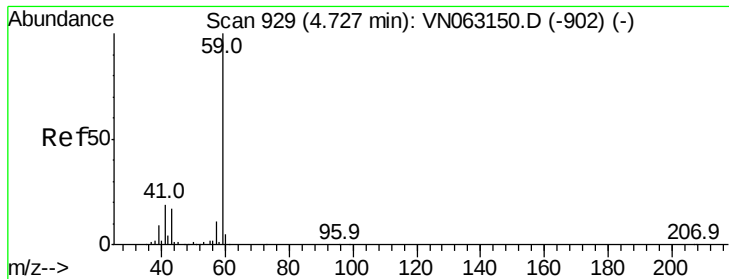
Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion:	142	Resp:	221401
Ion Ratio	Lower	Upper	
142	100		
127	46.4	37.6	56.4
141	14.4	11.3	16.9





#11

Tert butyl alcohol

Concen: 221.215 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

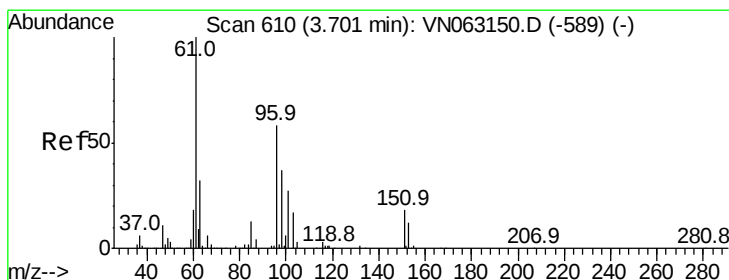
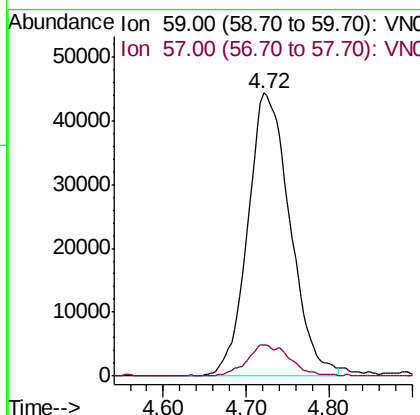
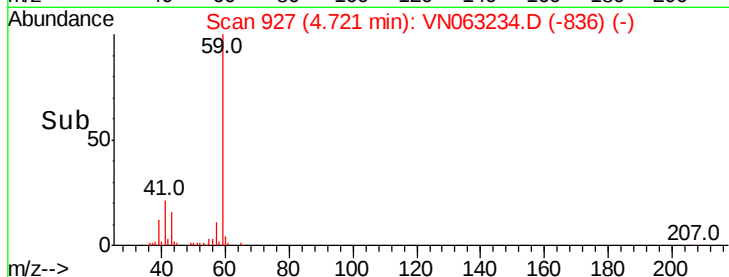
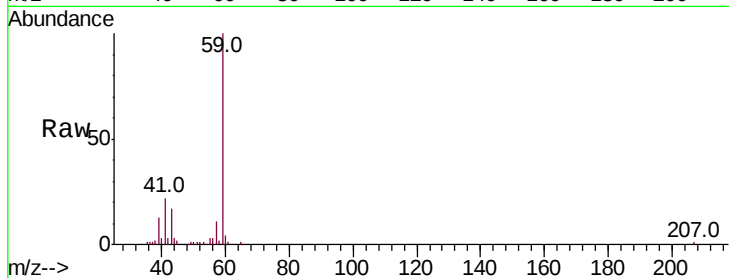
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 156580

Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.4	12.6#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 44.808 ug/l

RT: 3.70 min Scan# 608

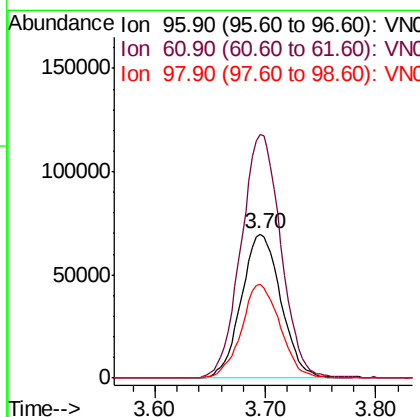
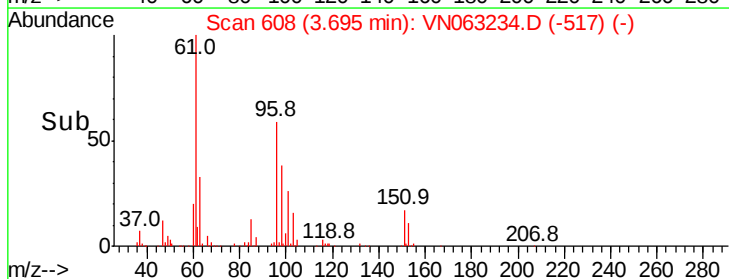
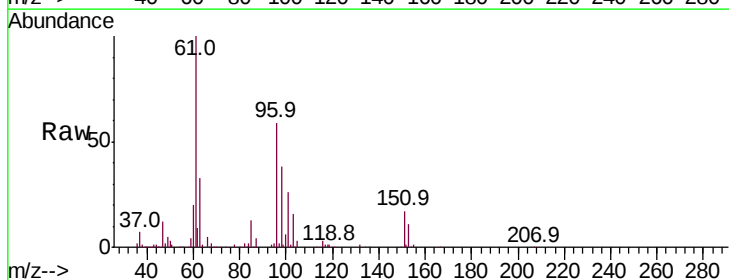
Delta R.T. -0.01 min

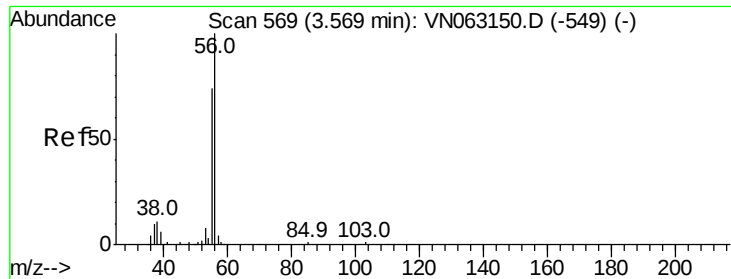
Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion: 96 Resp: 173415

Ion	Ratio	Lower	Upper
96	100		
61	169.1	137.4	206.2
98	64.7	50.5	75.7





#13

Acrolein

Concen: 191.650 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50587

Ion Ratio Lower Upper

56 100

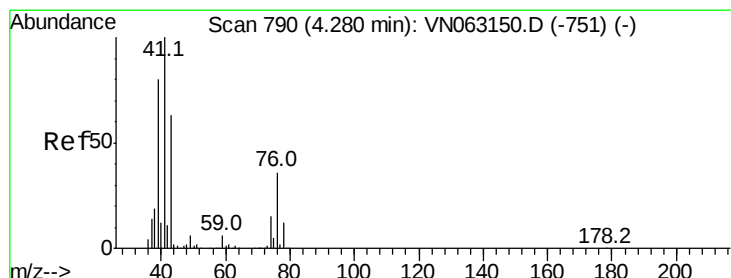
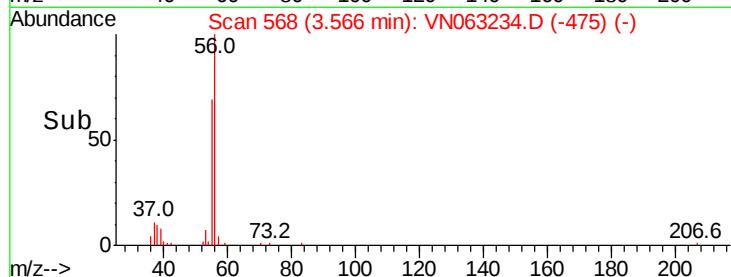
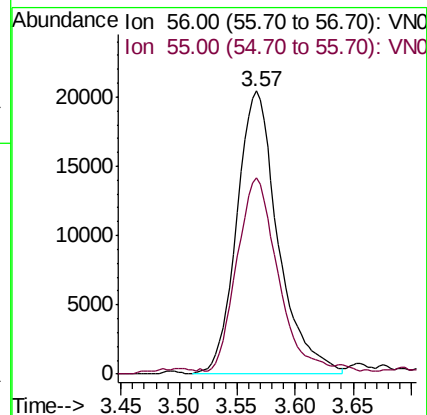
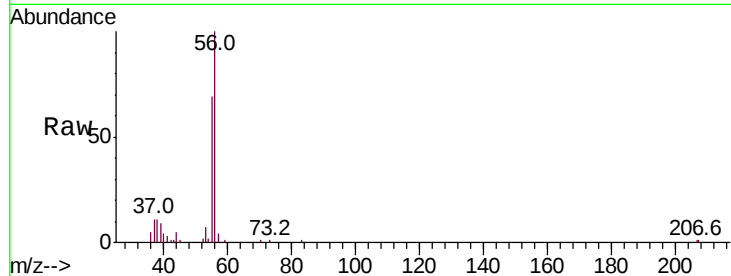
55 66.4 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 45.467 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

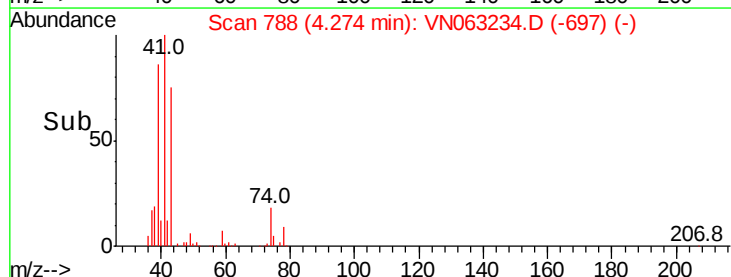
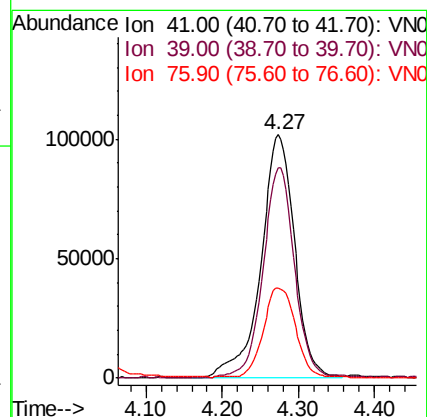
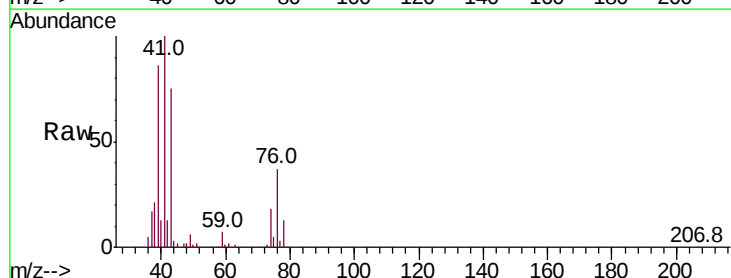
Tgt Ion: 41 Resp: 312513

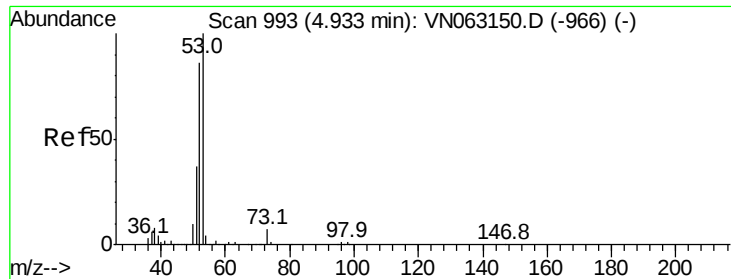
Ion Ratio Lower Upper

41 100

39 80.0 60.2 90.2

76 34.0 27.7 41.5





#15

Acrylonitrile

Concen: 224.669 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

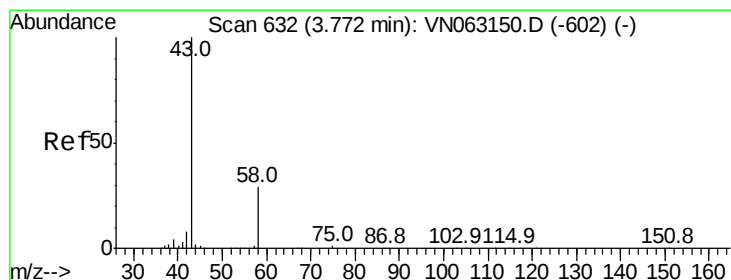
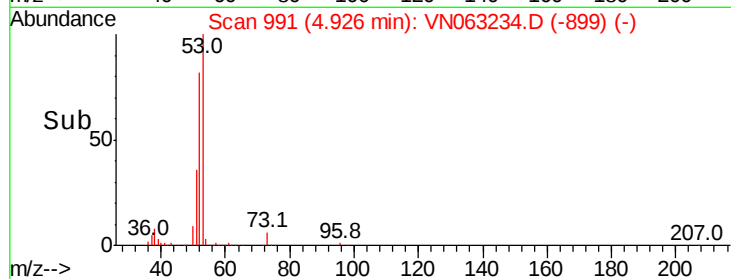
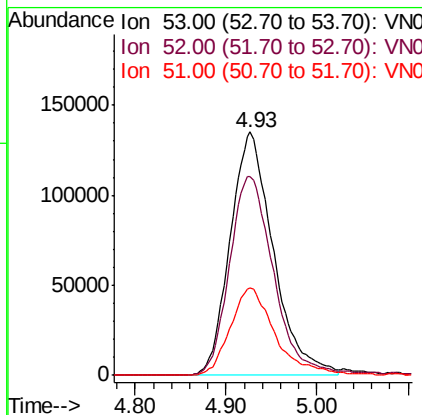
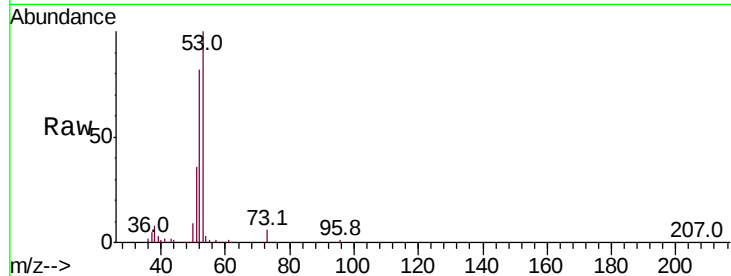
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	444960
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.2	100.8
51	37.7	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 274.321 ug/l

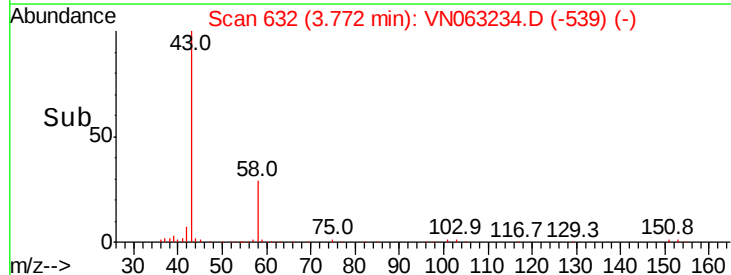
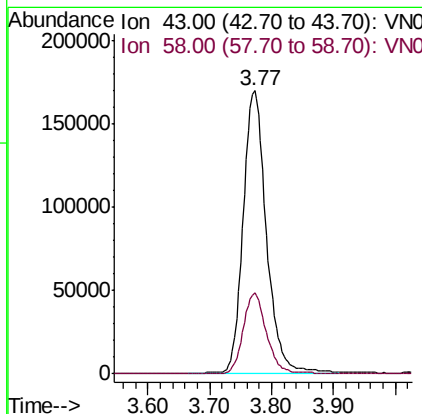
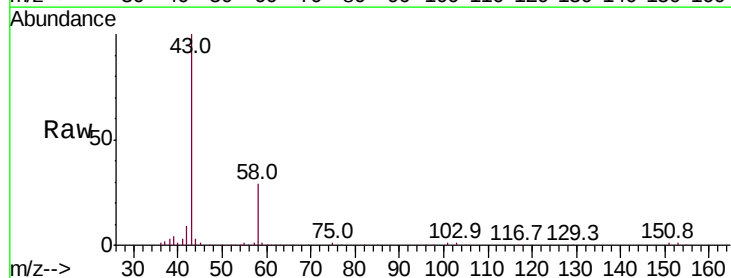
RT: 3.77 min Scan# 632

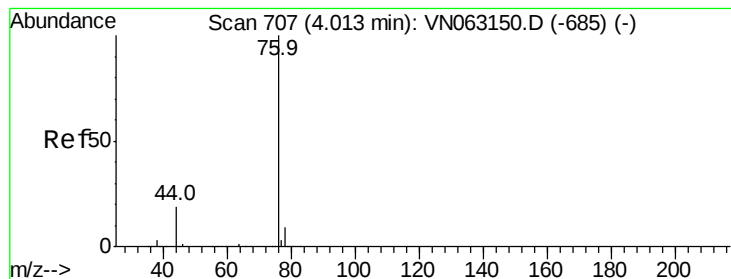
Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion:	43	Resp:	449671
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.1	34.7





#17

Carbon Disulfide

Concen: 41.713 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 480510

Ion Ratio Lower Upper

76 100

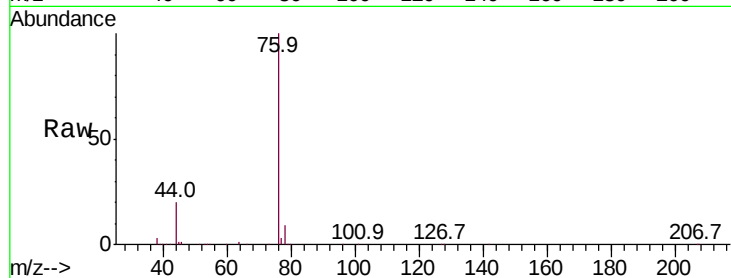
78 8.8 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

50000

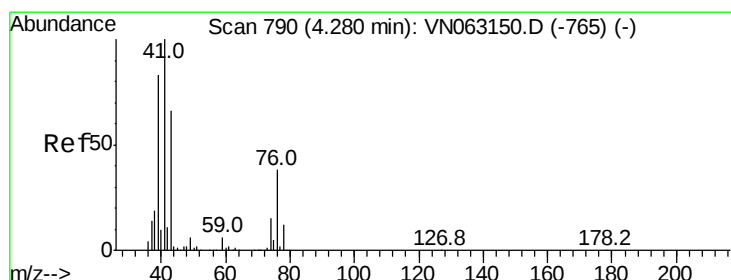
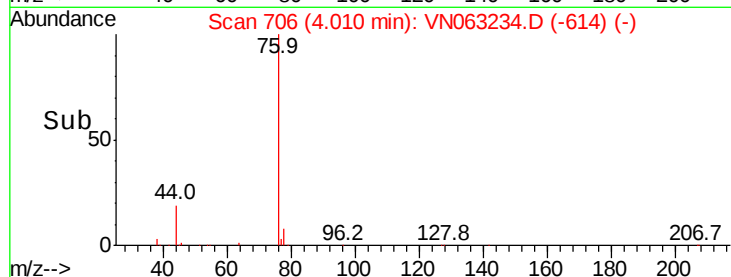
0

3.90

4.01

4.10

Time-->



#18

Methyl Acetate

Concen: 51.280 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063234.D

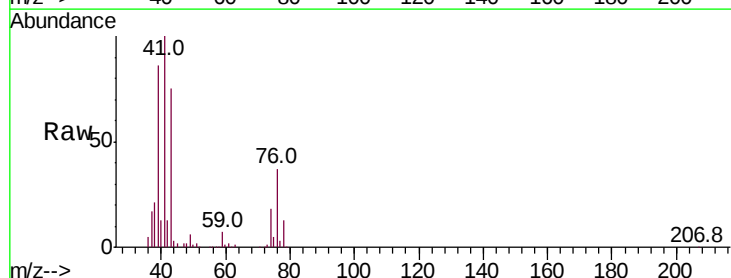
Acq: 4 Sep 2020 9:20

Tgt Ion: 43 Resp: 215532

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

60000

40000

20000

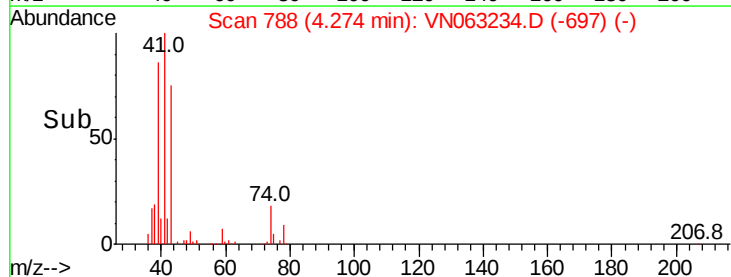
0

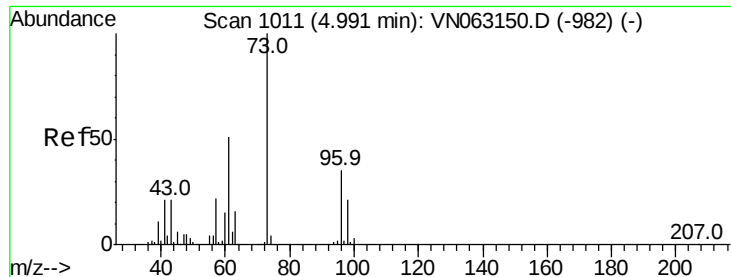
4.20

4.27

4.40

Time-->





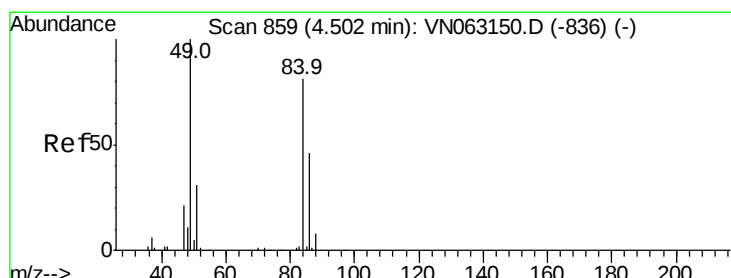
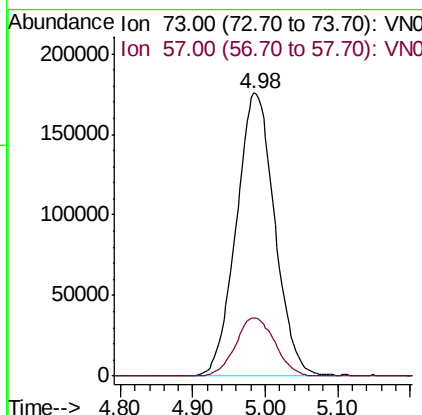
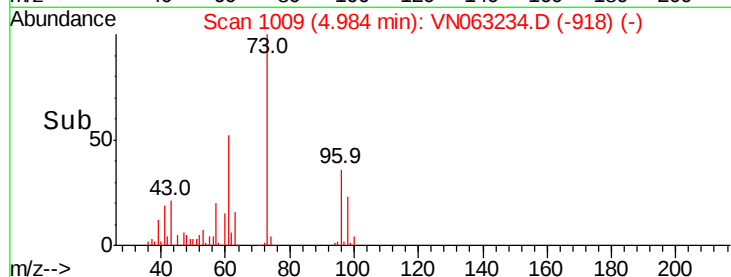
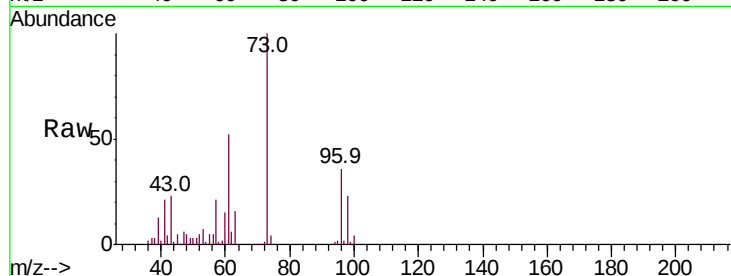
#19
Methvl tert-butvl Ether
Concen: 45.130 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 647932
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4

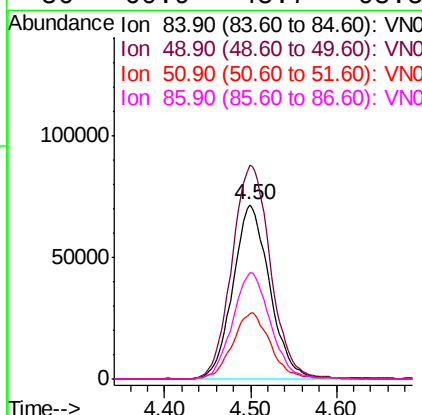
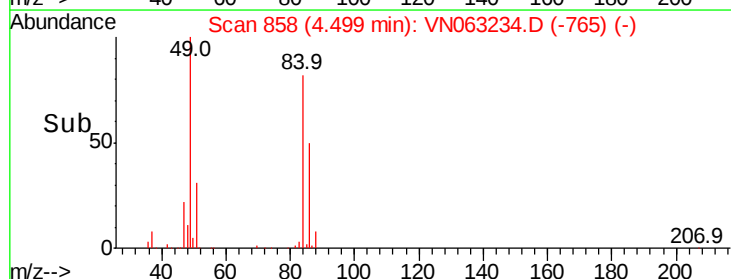
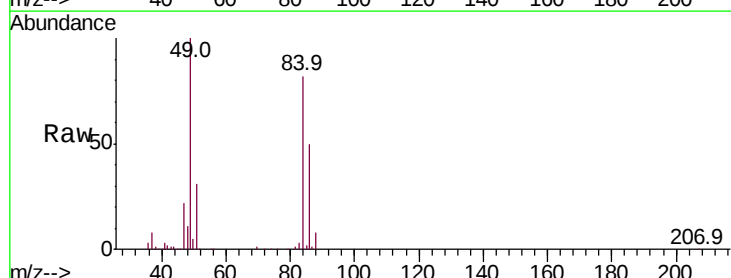
Manual Integrations
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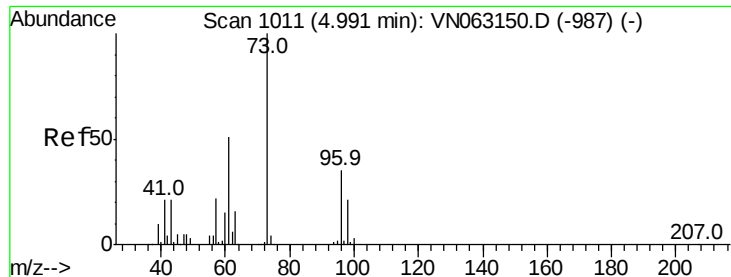
MMDadoda
9/8/2020 5:34:30 PM



#20
Methylene Chloride
Concen: 46.079 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 84 Resp: 212569
Ion Ratio Lower Upper
84 100
49 122.5 98.4 147.6
51 37.5 30.4 45.6
86 60.9 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 48.540 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 207547

Ion Ratio Lower Upper

96 100

61 144.4 116.2 174.4

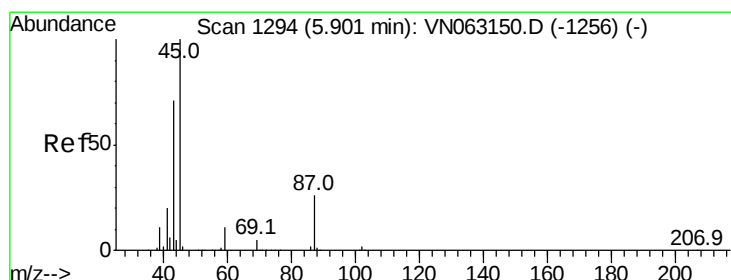
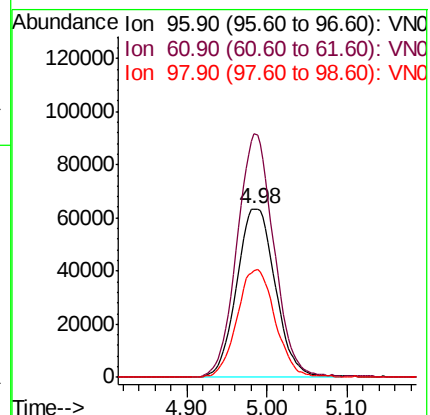
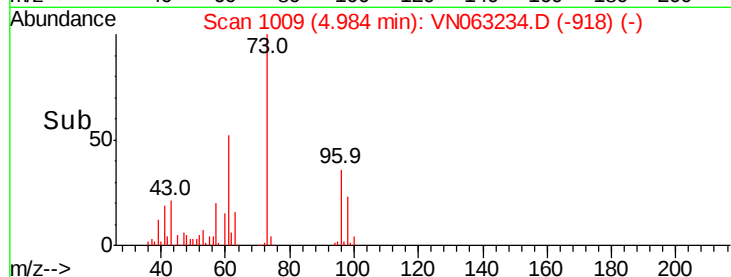
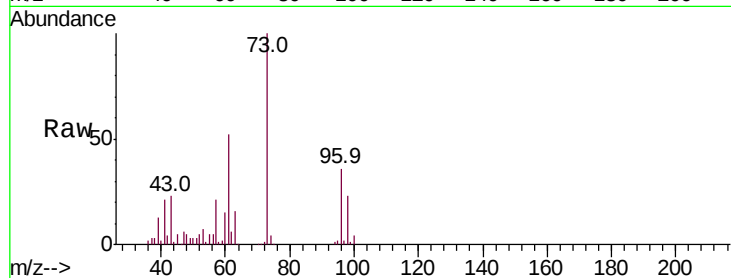
98 63.0 48.0 72.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 45.804 ug/l

RT: 5.89 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion: 45 Resp: 705505

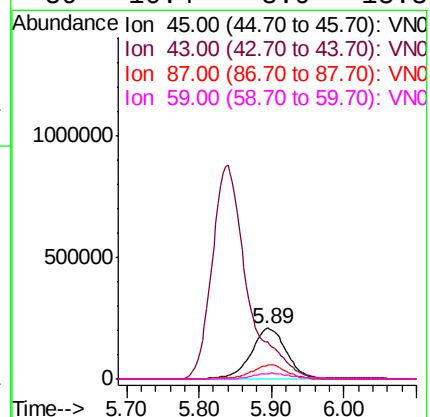
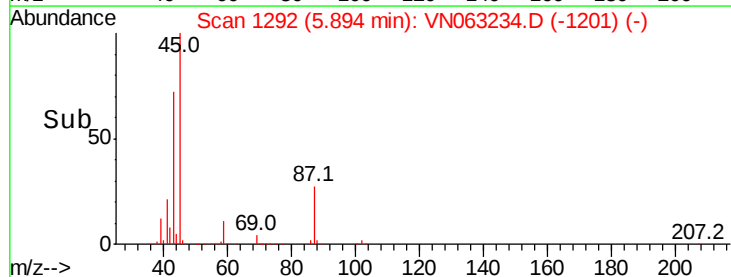
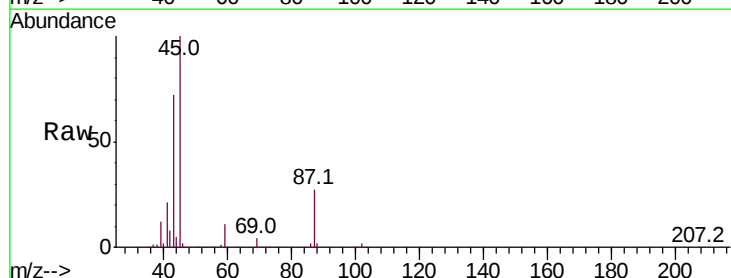
Ion Ratio Lower Upper

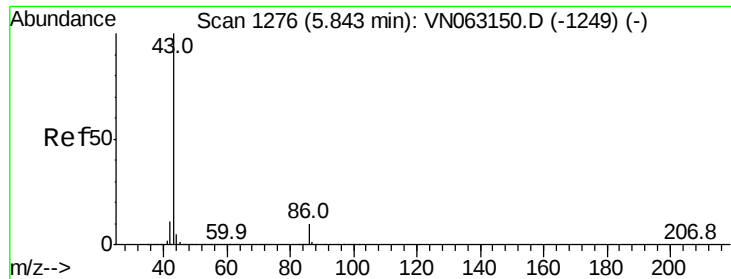
45 100

43 70.3 56.8 85.2

87 27.0 21.1 31.7

59 10.4 8.9 13.3





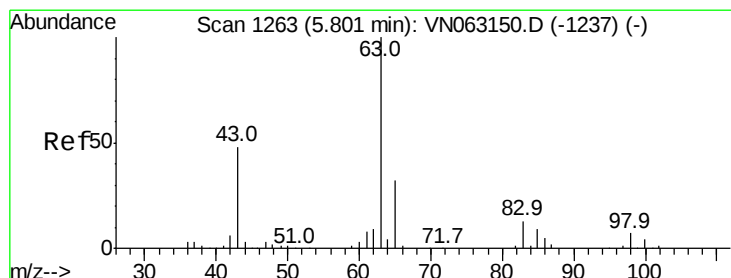
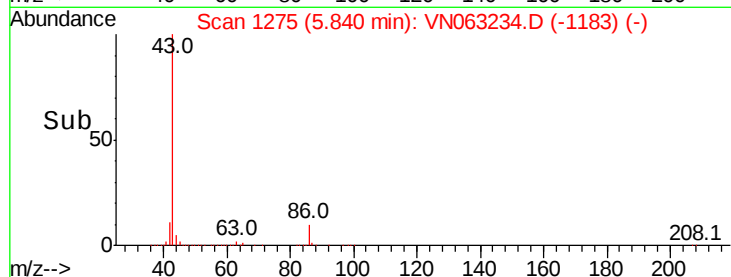
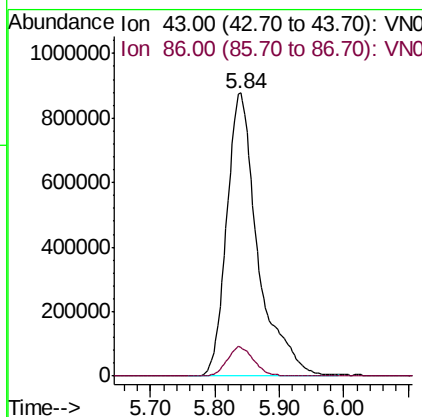
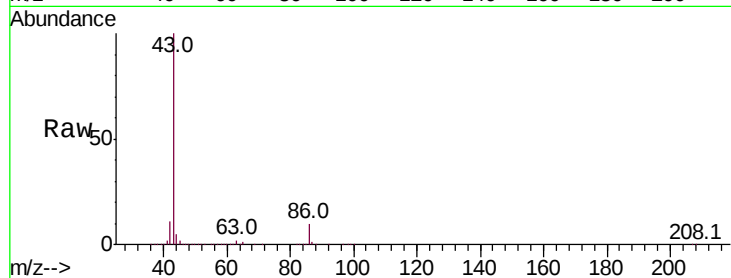
#23
 Vinyl Acetate
 Concen: 240.467 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2955377
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.3 12.5

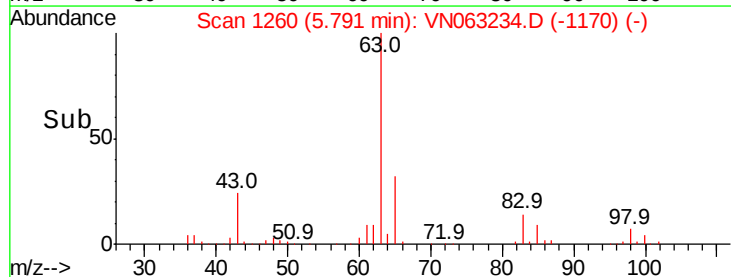
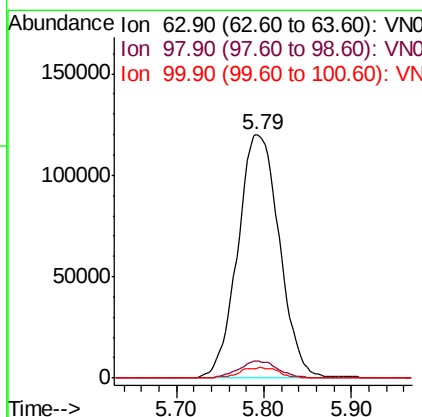
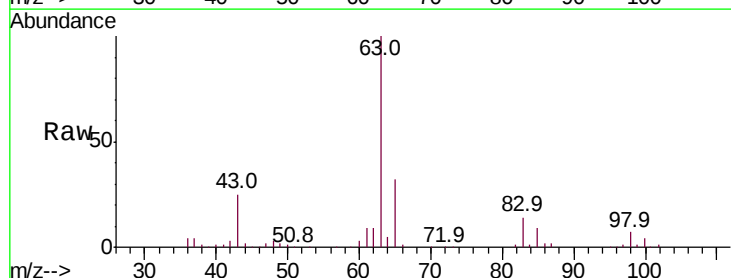
Manual Integrations
 APPROVED

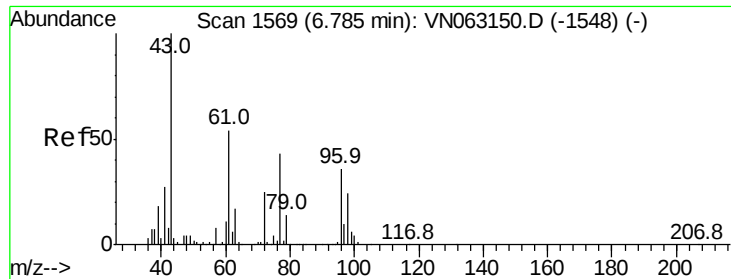
MMDadoda
 9/8/2020 5:34:30 PM



#24
 1,1-Dichloroethane
 Concen: 46.596 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion: 63 Resp: 395658
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.1 2.3 6.8





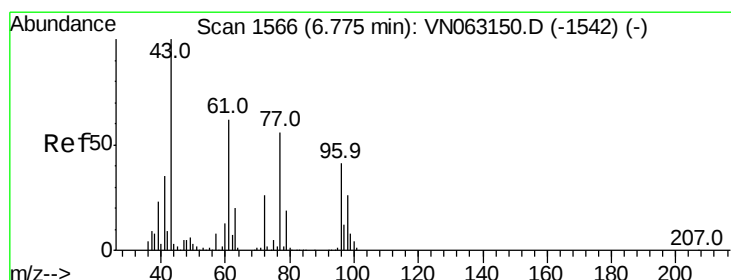
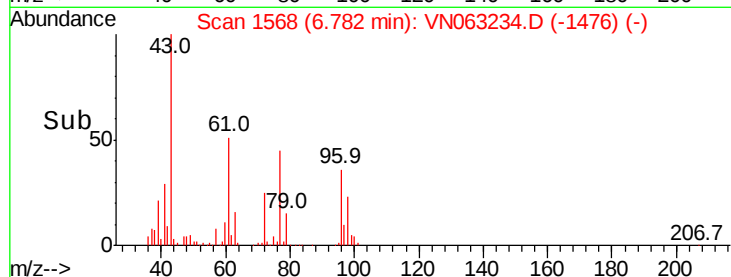
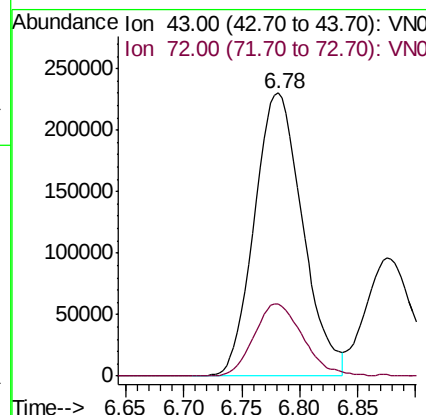
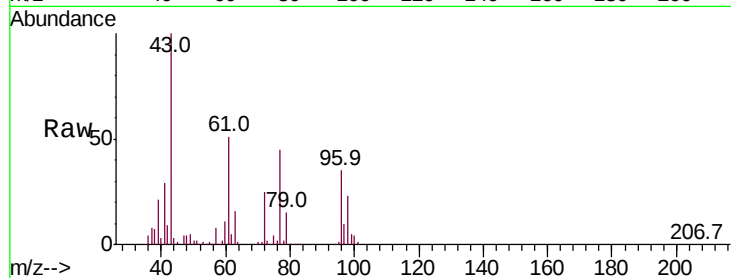
#25
2-Butanone
Concen: 261.367 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 663392
Ion Ratio Lower Upper
43 100
72 25.4 20.2 30.4

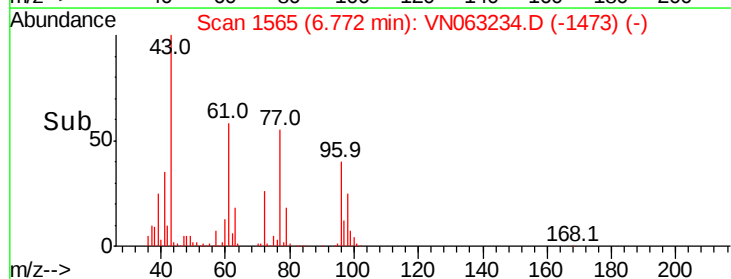
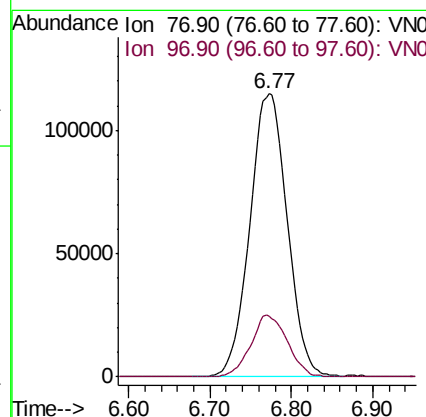
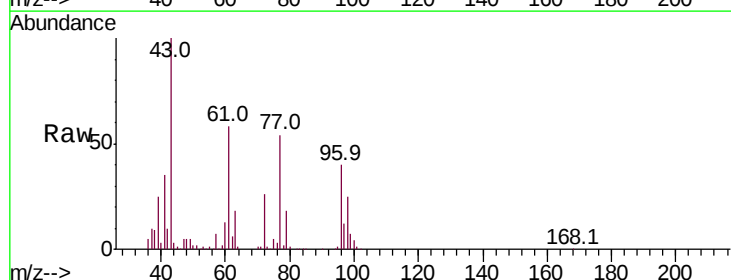
Manual Integrations
APPROVED

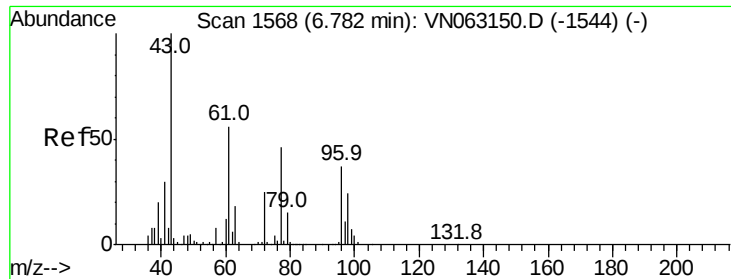
MMDadoda
9/8/2020 5:34:30 PM



#26
2,2-Dichloropropane
Concen: 47.371 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 77 Resp: 364442
Ion Ratio Lower Upper
77 100
97 21.3 10.7 31.9





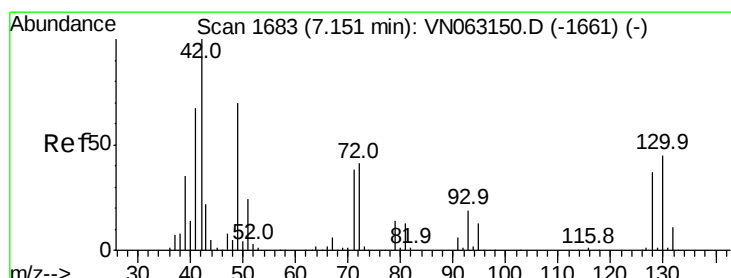
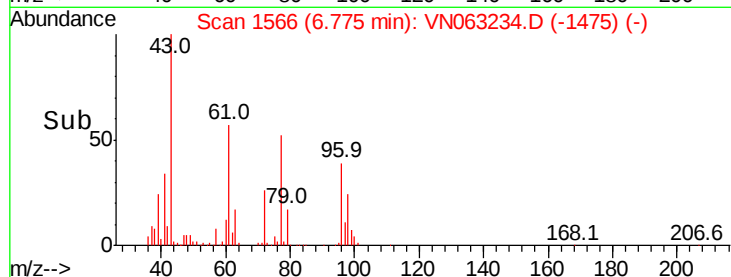
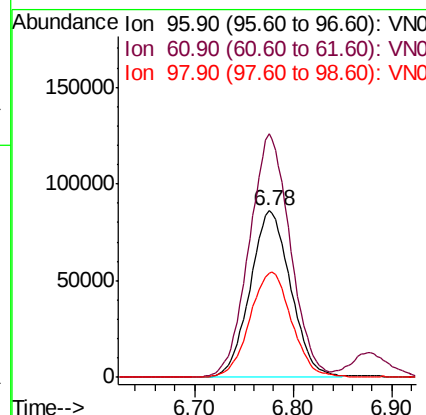
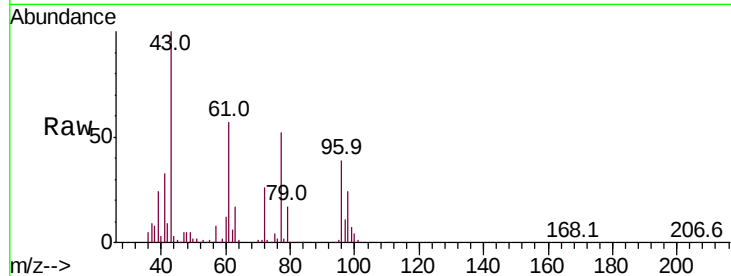
#27
 cis-1,2-Dichloroethene
 Concen: 47.106 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	244816		
61	147.6	0.0	303.2	
98	65.0	0.0	129.0	

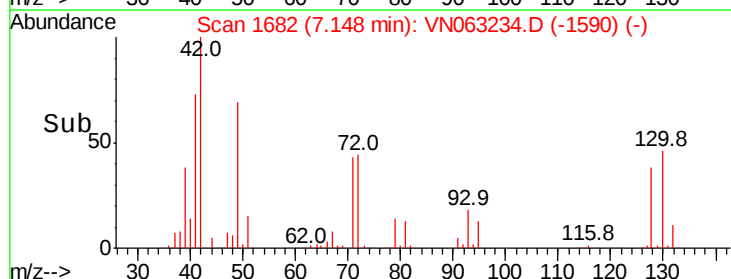
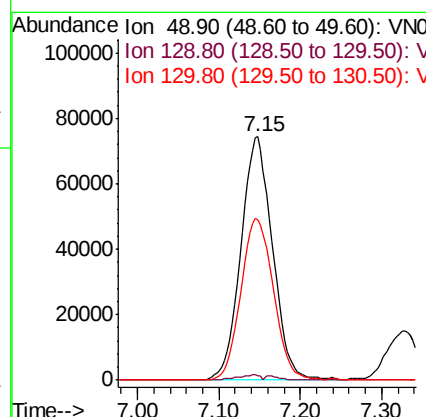
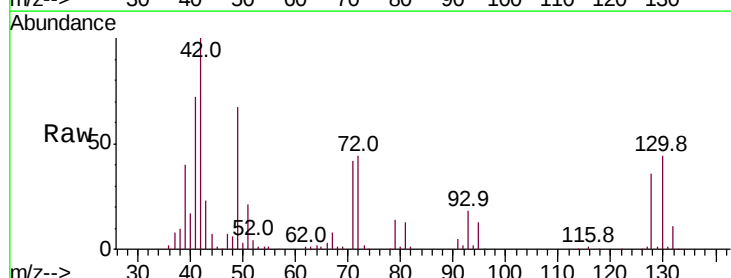
Manual Integrations
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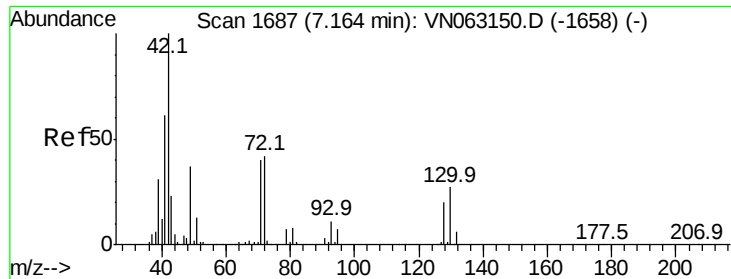
MMDadoda
 9/8/2020 5:34:30 PM



#28
 Bromochloromethane
 Concen: 44.935 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199344		
129	1.6	0.0	4.0	
130	68.2	54.4	81.6	





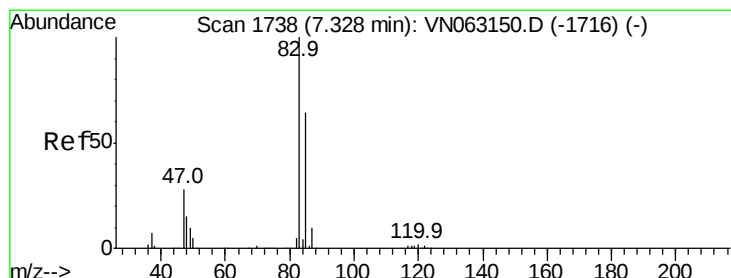
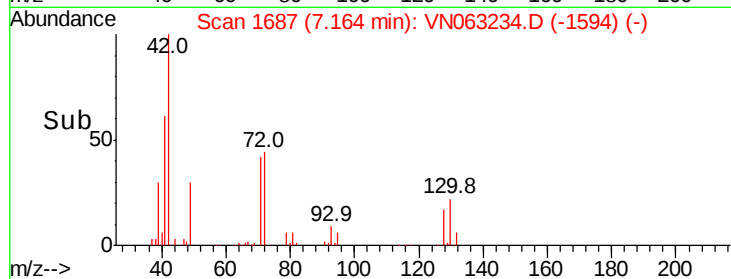
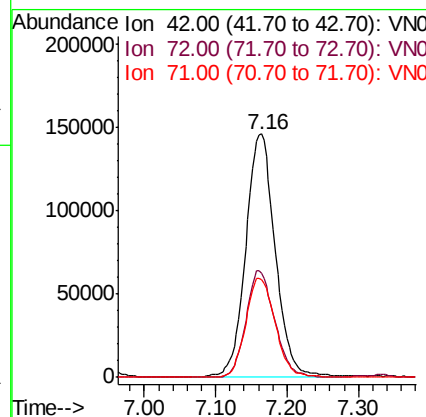
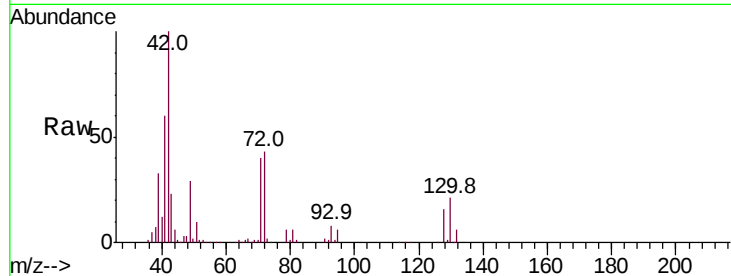
#29
Tetrahydrofuran
Concen: 237.819 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.9	50.9
71	41.1	31.9	47.9

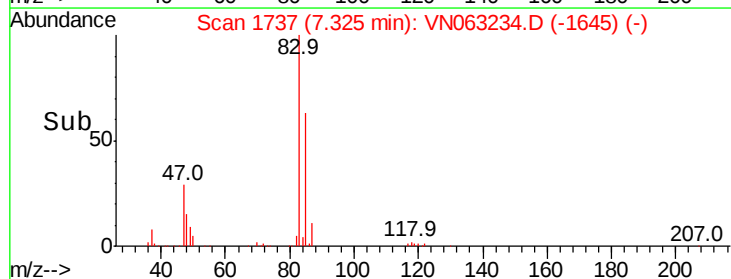
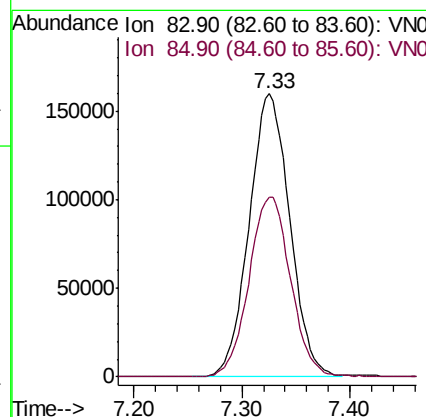
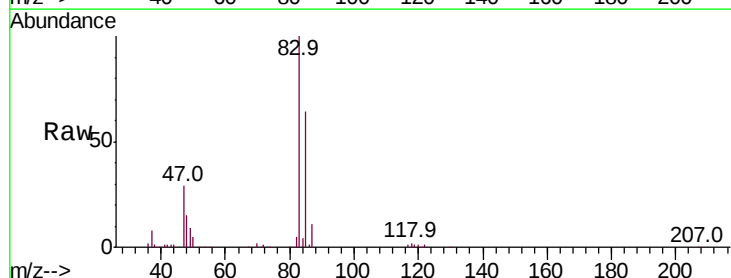
Manual Integrations
APPROVED

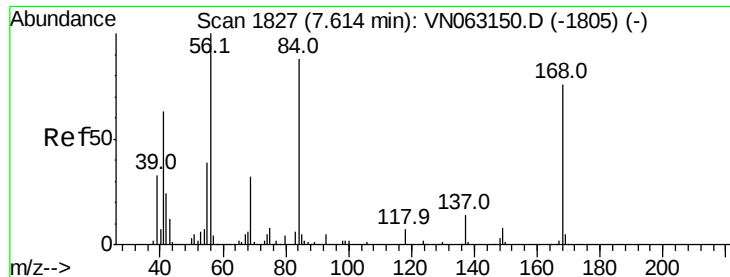
MMDadoda
9/8/2020 5:34:30 PM



#30
Chloroform
Concen: 47.031 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6





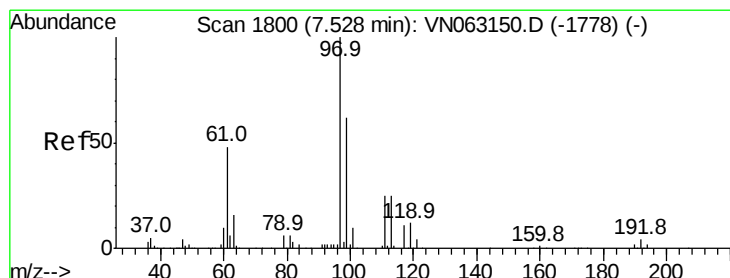
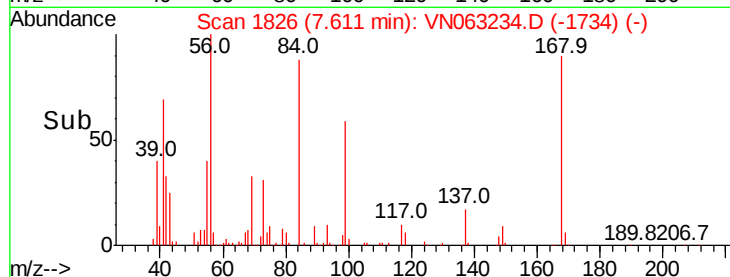
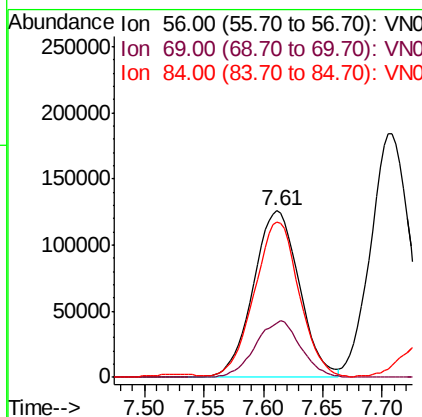
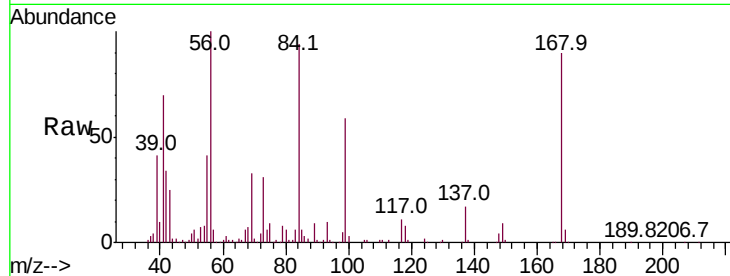
#31
Cvclohexane
Concen: 44.878 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.4	38.0
84	92.0	70.2	105.4

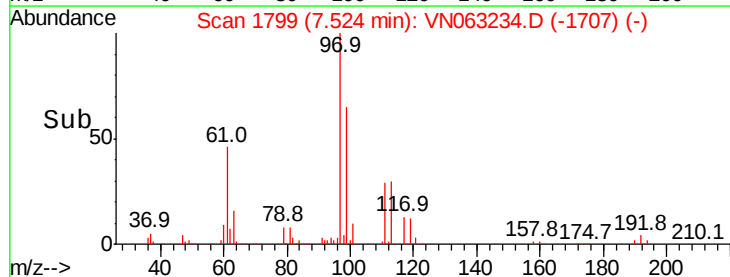
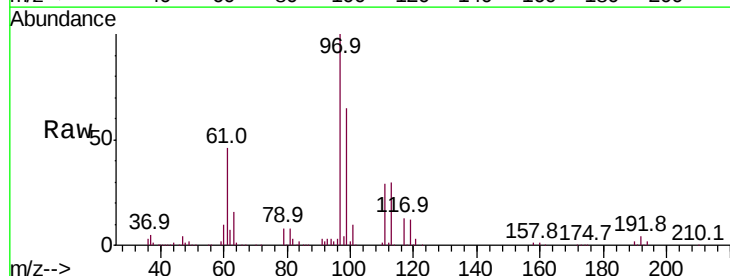
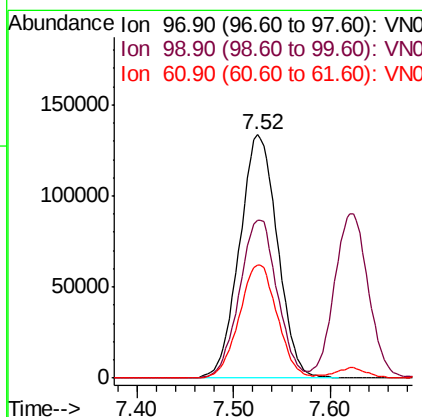
Manual Integrations
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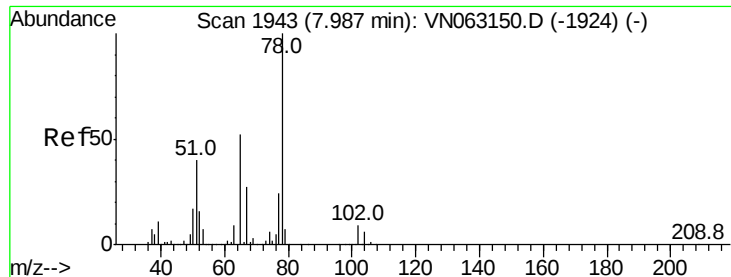
MMDadoda
9/8/2020 5:34:30 PM



#32
1,1,1-Trichloroethane
Concen: 47.642 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	46.7	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 51.355 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 296130

Ion Ratio Lower Upper

65 100

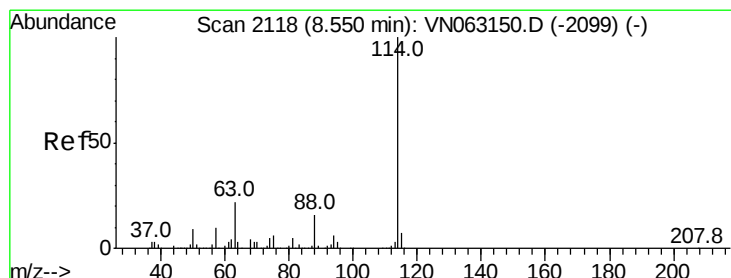
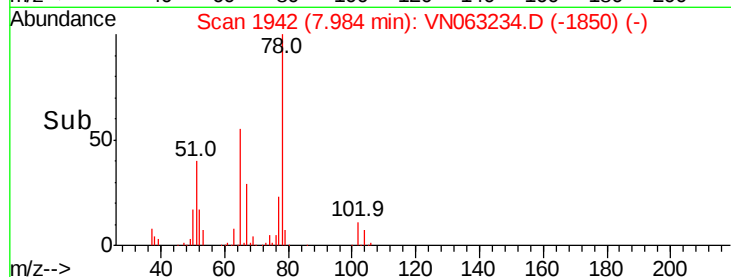
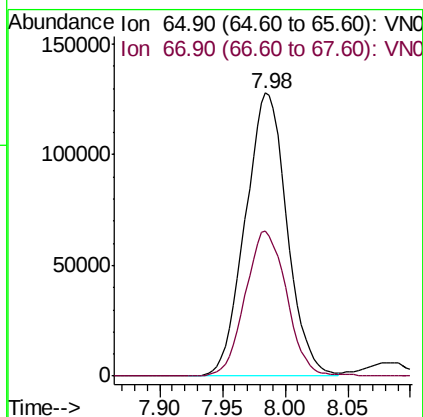
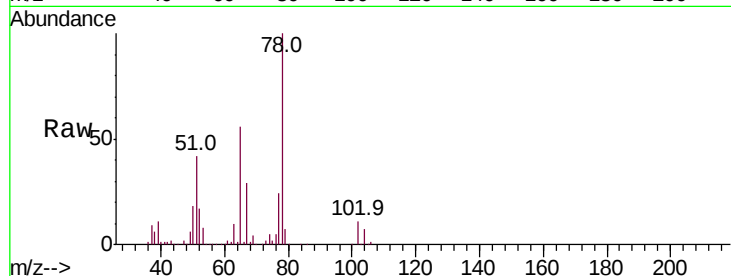
67 50.7 0.0 104.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

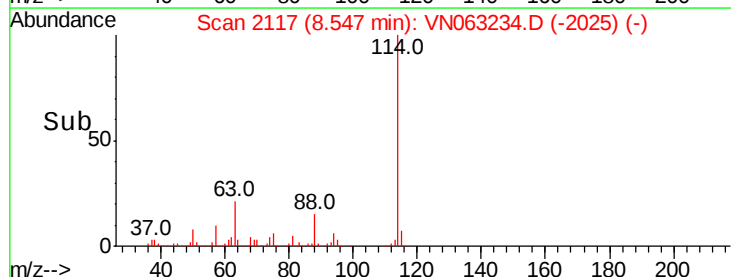
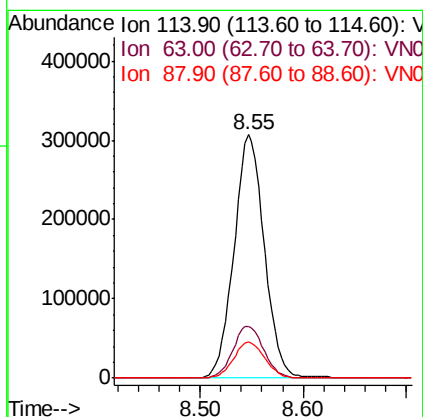
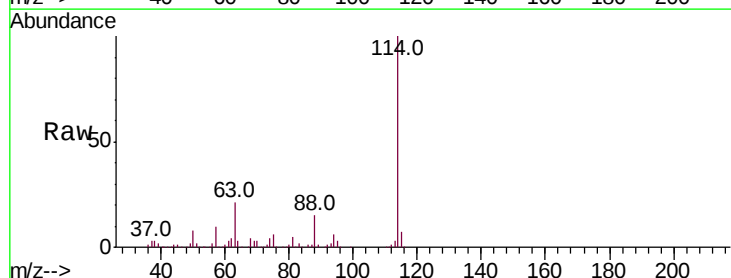
Tgt Ion: 114 Resp: 627316

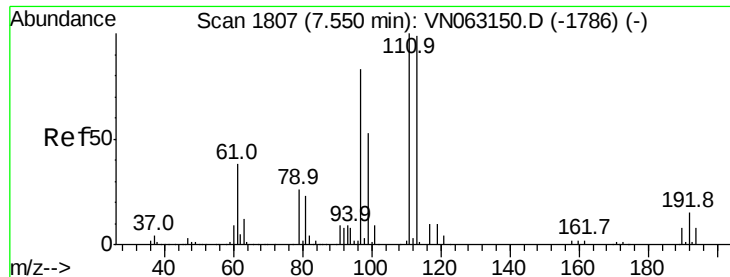
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 14.7 0.0 31.6





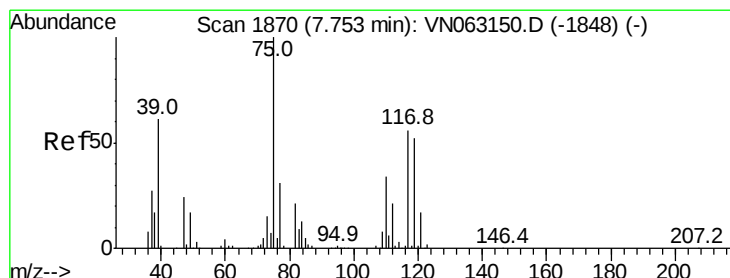
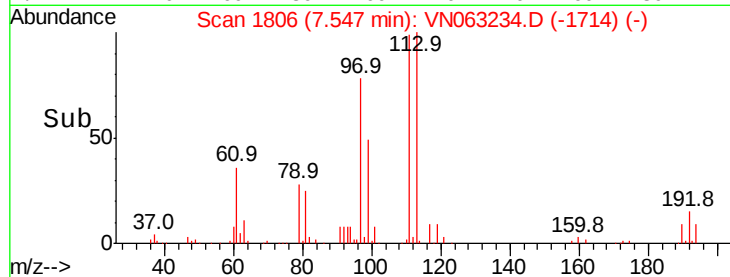
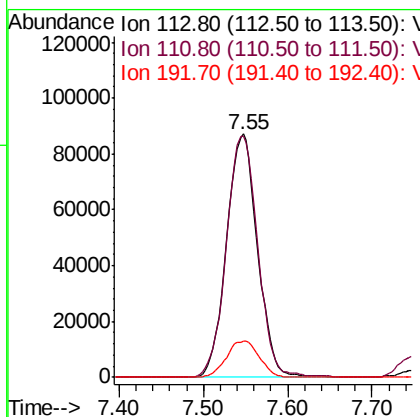
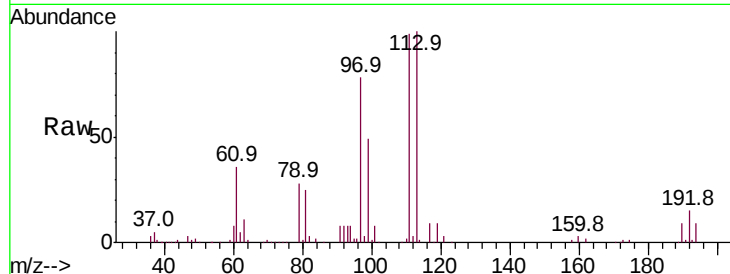
#35
 Dibromofluoromethane
 Concen: 55.356 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	80.7	121.1	
192	15.8	12.6	19.0	

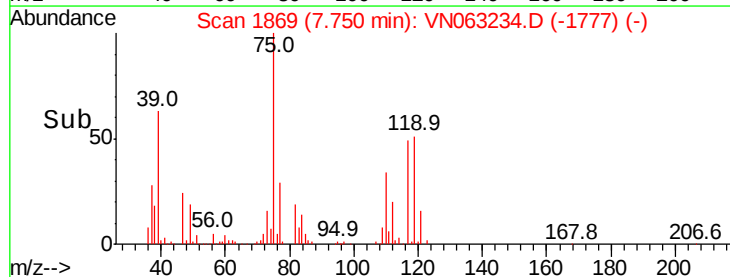
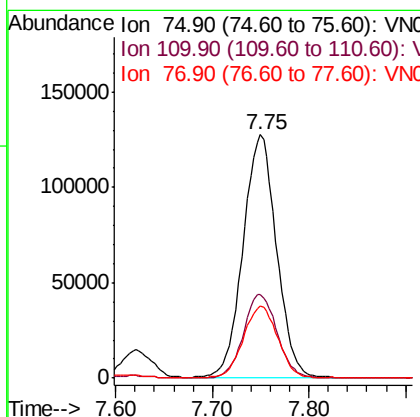
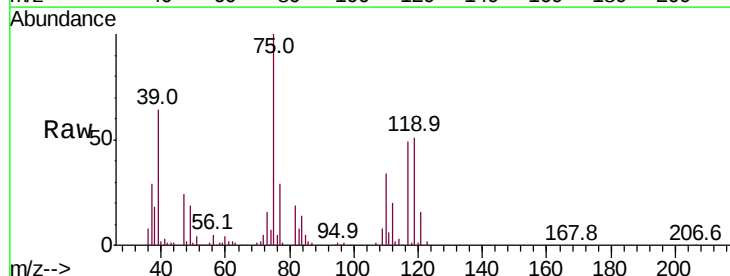
Manual Integrations
 APPROVED

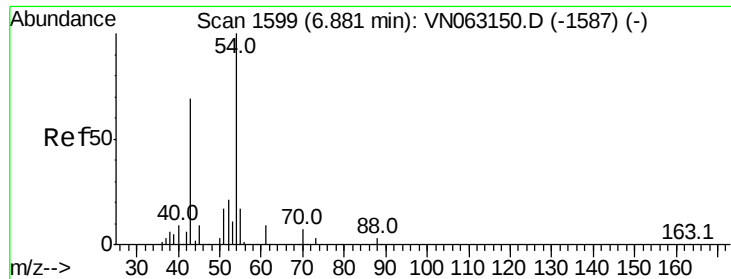
MMDadoda
 9/8/2020 5:34:30 PM



#36
 1,1-Dichloropropene
 Concen: 50.721 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	16.6	49.8	
77	30.7	25.4	38.2	





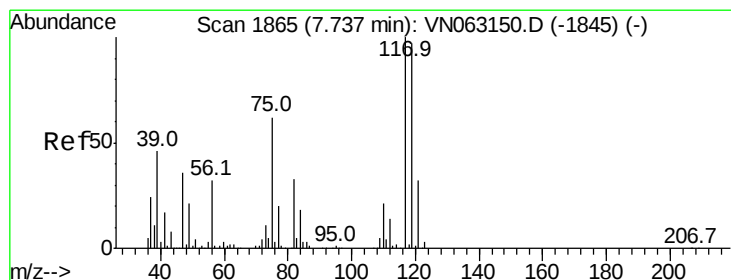
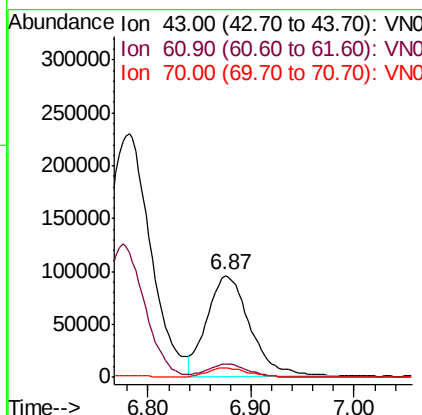
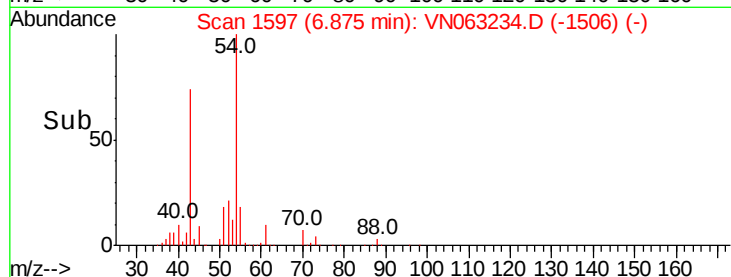
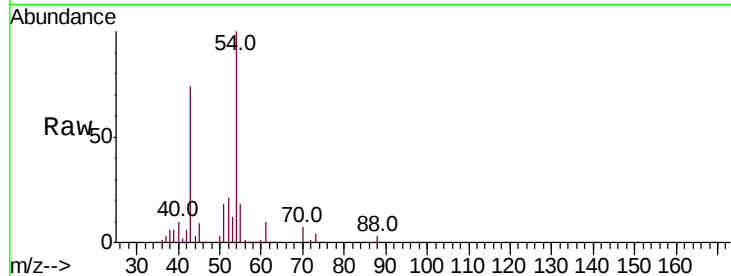
#37
Ethyl Acetate
Concen: 48.337 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.4
70	9.1	3.0	4.6

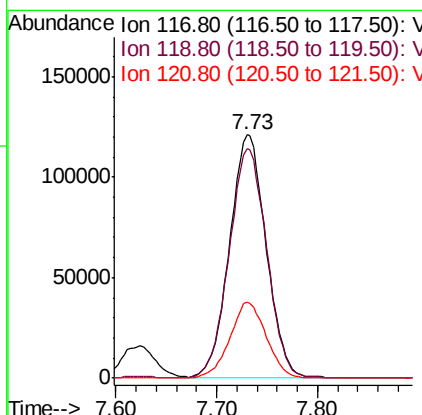
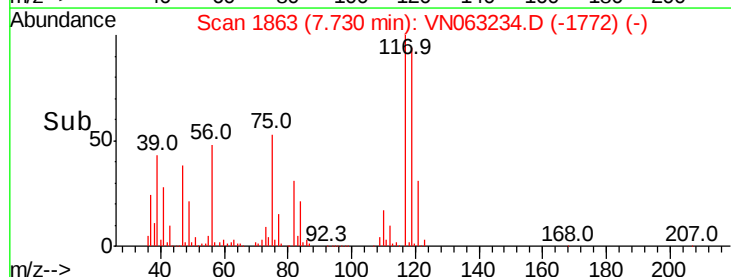
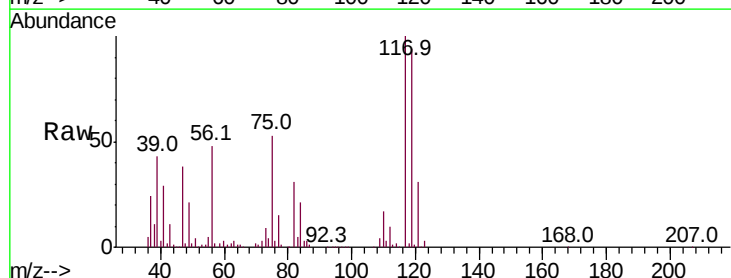
Manual Integrations
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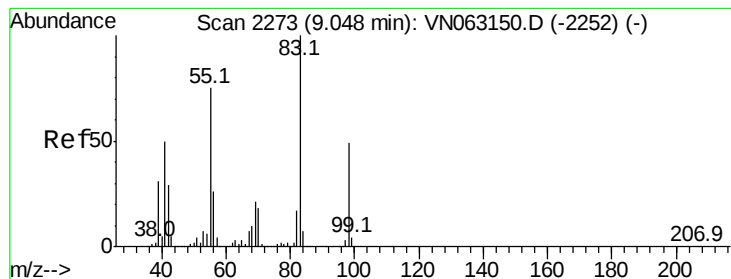
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.715 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.2	115.8
121	31.4	25.6	38.4





#39

Methvlcvclohexane

Concen: 51.121 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

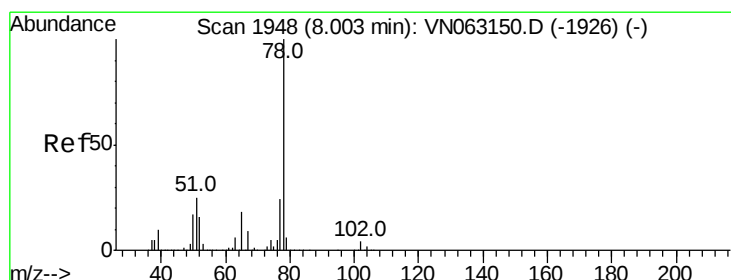
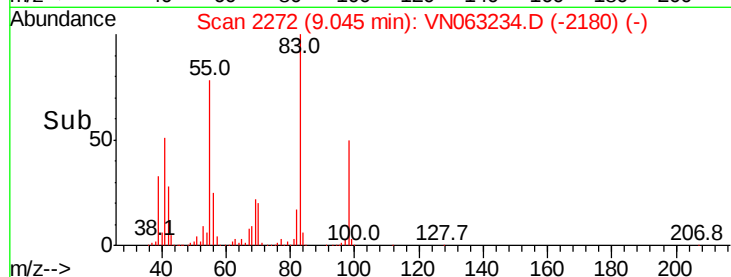
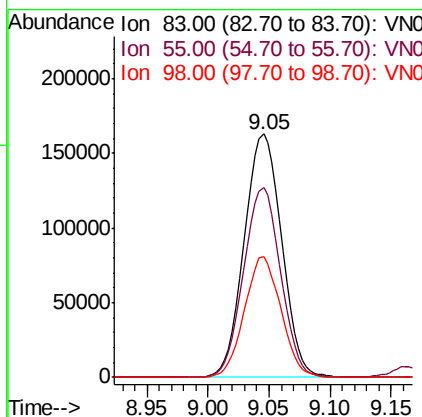
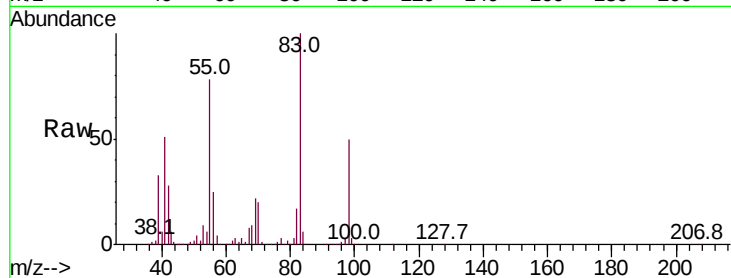
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	346348
Ion Ratio	Lower	Upper	
83	100		
55	77.8	60.3	90.5
98	49.7	38.9	58.3

Manual Integrations
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#40

Benzene

Concen: 51.138 ug/l

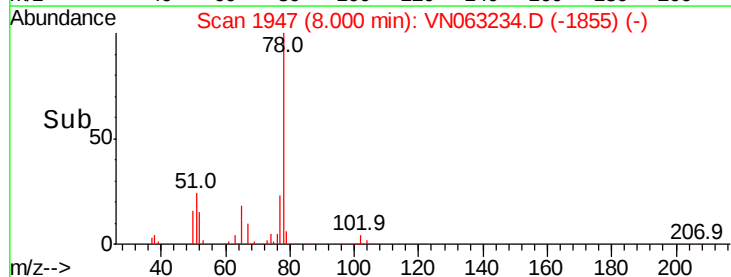
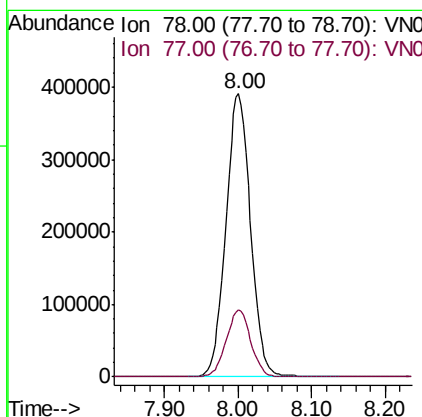
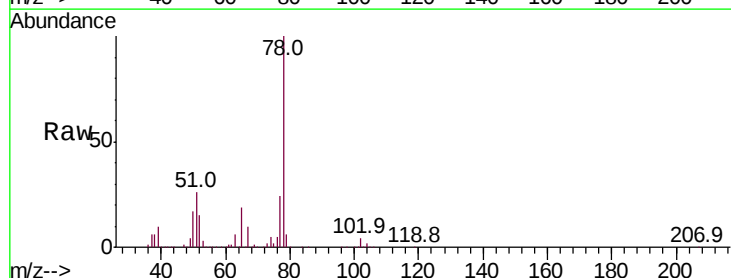
RT: 8.00 min Scan# 1947

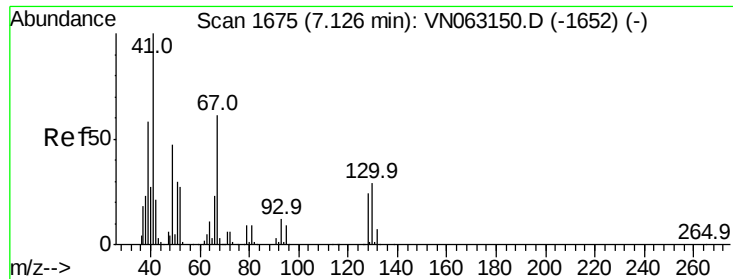
Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion:	78	Resp:	906273
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.3	28.9





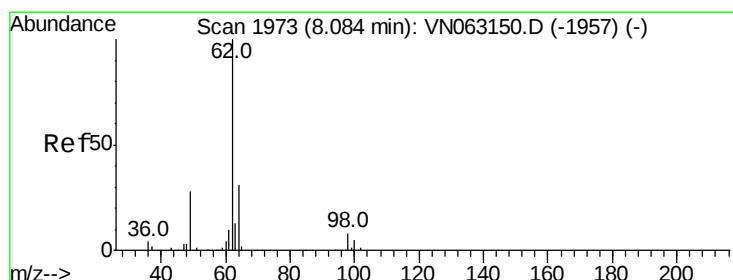
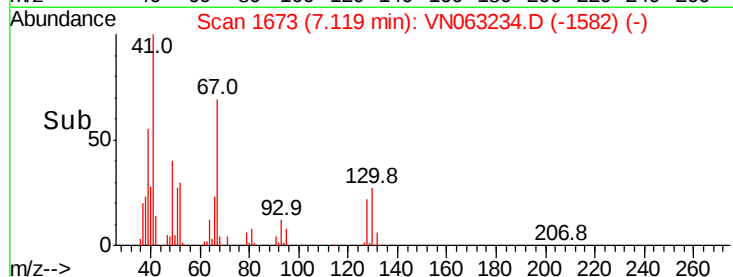
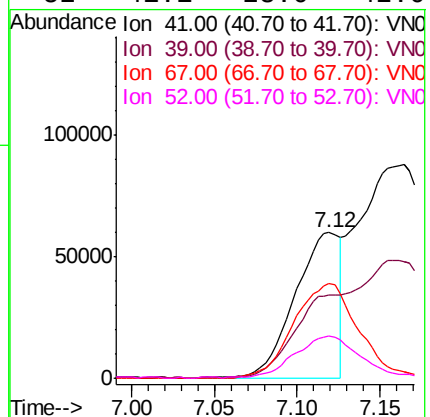
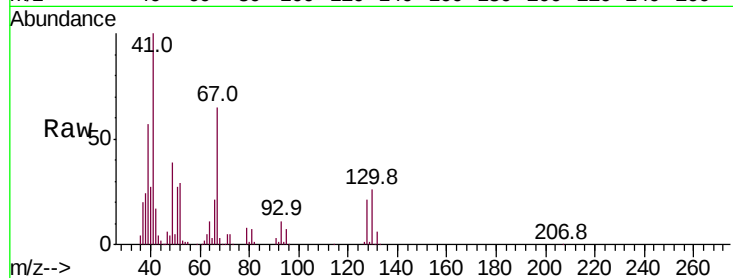
#41
Methacrylonitrile
Concen: 44.072 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	70.0#
67	94.5	62.6	94.0#
52	41.1	28.0	42.0

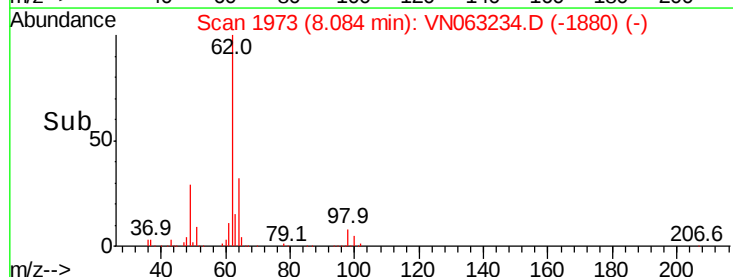
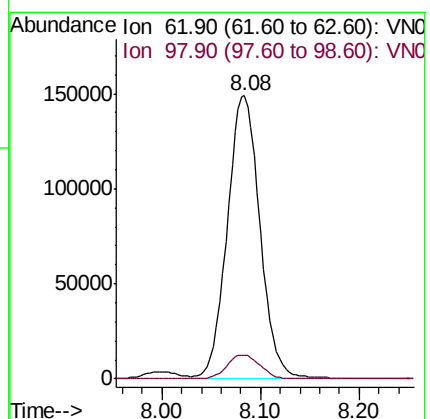
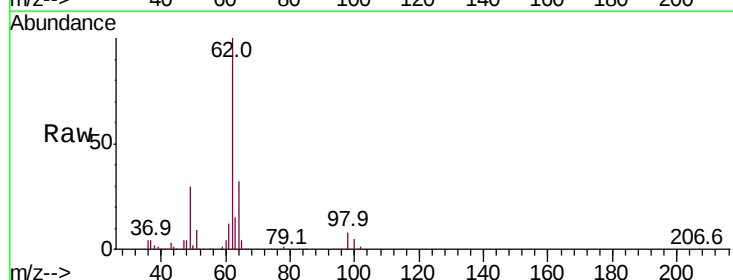
Manual Integrations
APPROVED

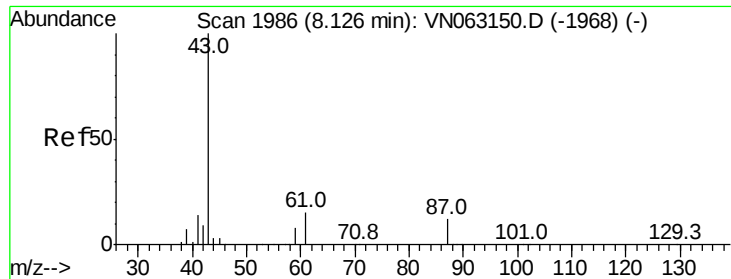
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.866 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

Isopropyl Acetate

Concen: 51.437 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

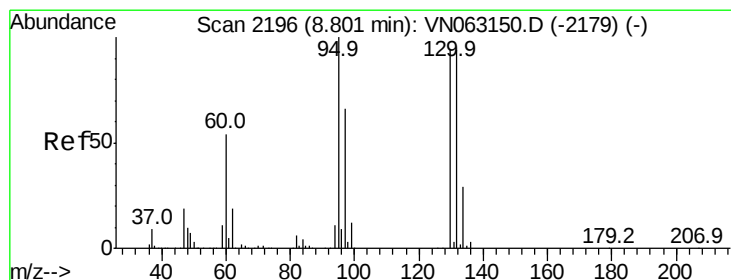
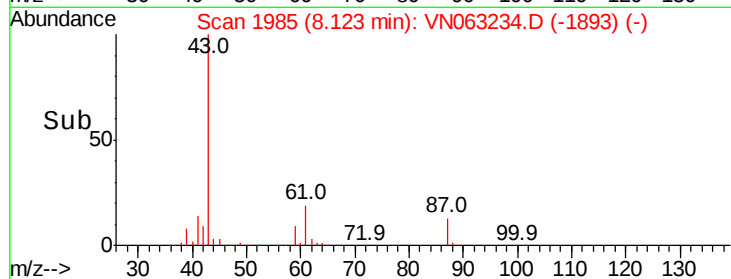
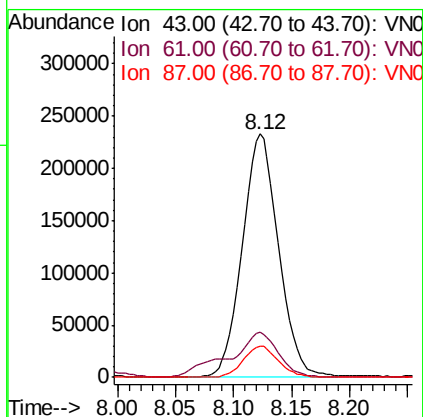
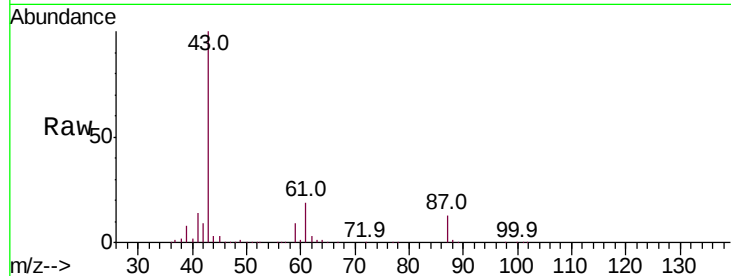
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	505888
Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.4
87	12.5	9.8	14.6

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#44

Trichloroethene

Concen: 53.543 ug/l

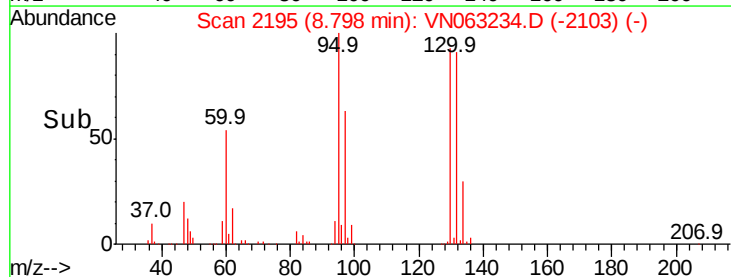
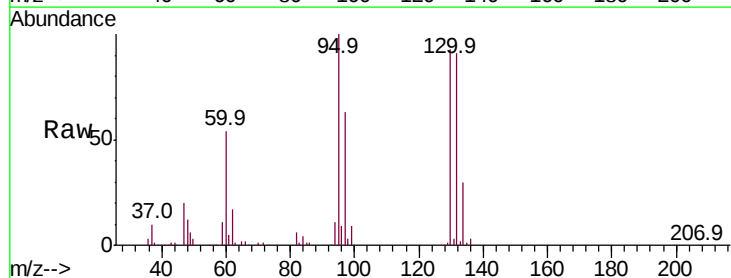
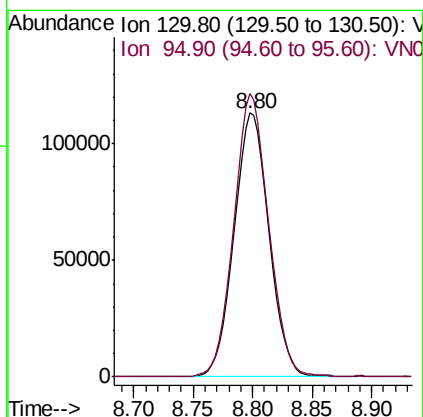
RT: 8.80 min Scan# 2195

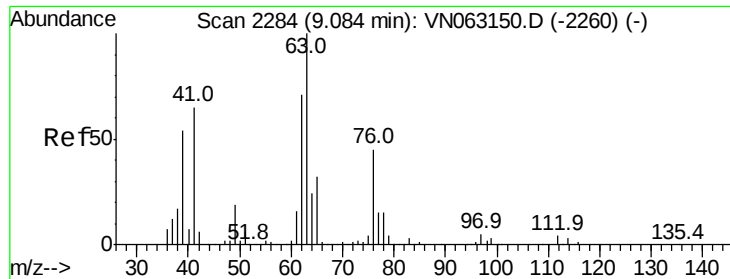
Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion:	130	Resp:	230161
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	212.0





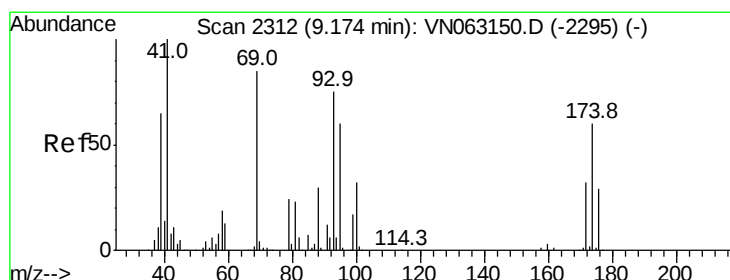
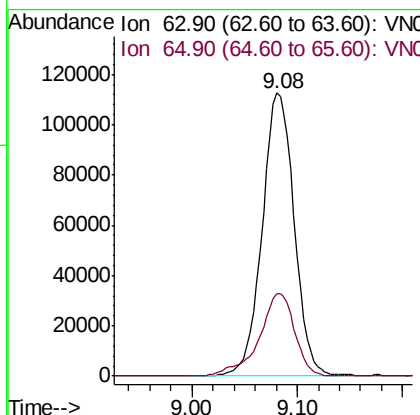
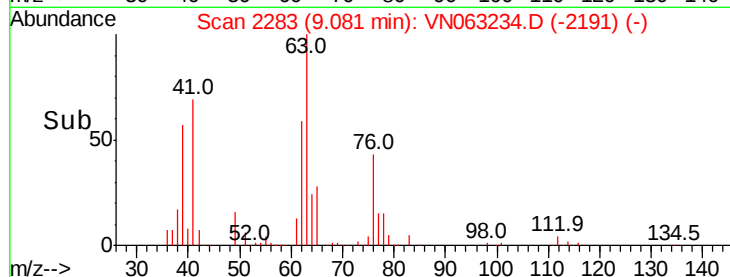
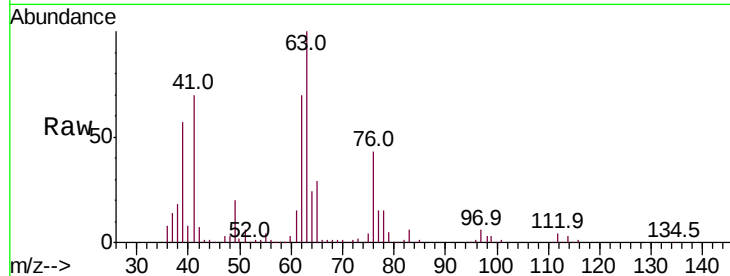
#45
 1,2-Dichloropropane
 Concen: 50.599 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 237418
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.4 38.0

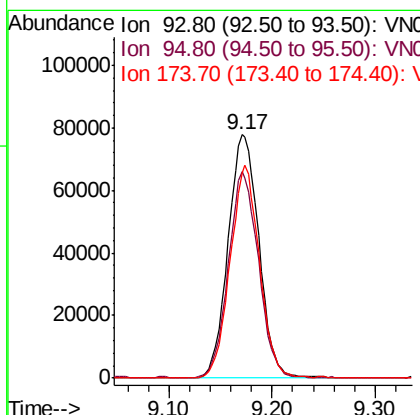
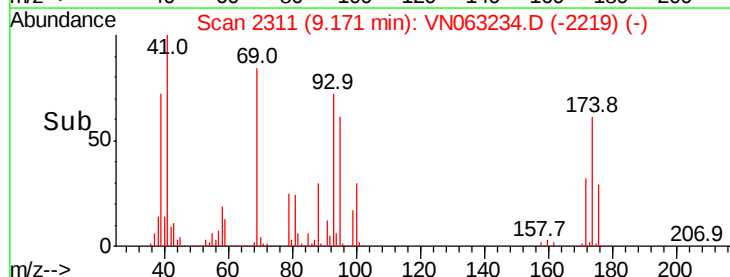
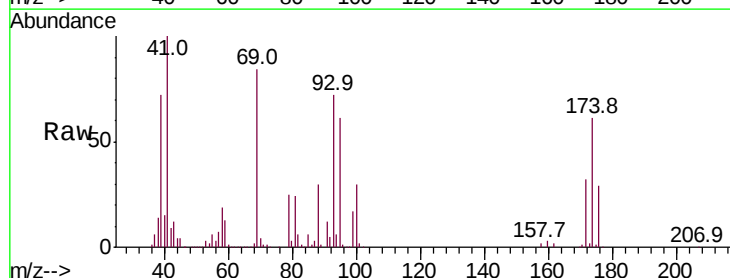
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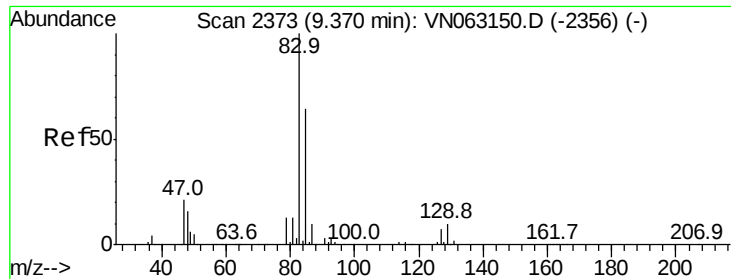
MMDadoda
 9/8/2020 5:34:30 PM



#46
 Dibromomethane
 Concen: 52.130 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion: 93 Resp: 162097
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.2 97.8
 174 83.0 64.6 97.0





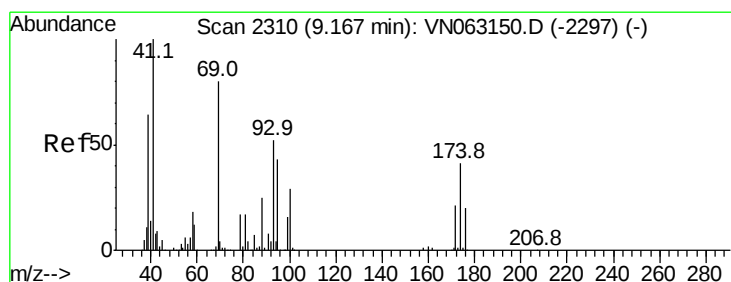
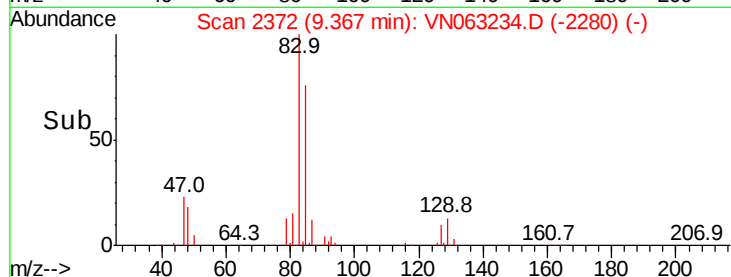
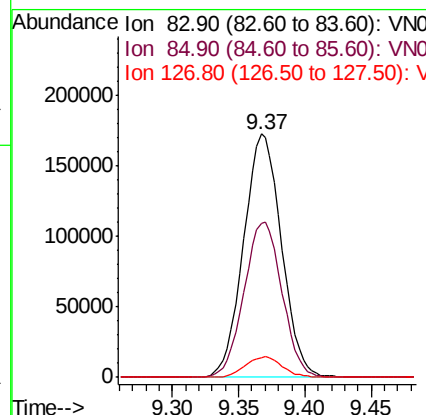
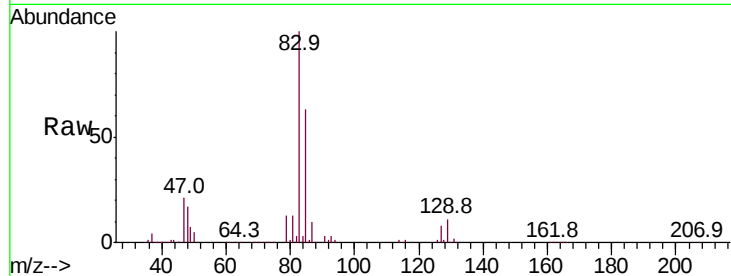
#47
Bromodichloromethane
Concen: 51.377 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	51.0	76.6	
127	8.1	5.7	8.5	

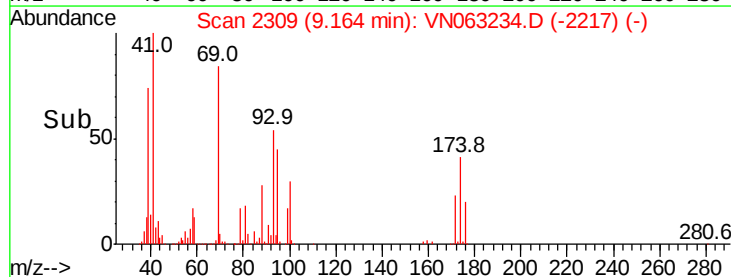
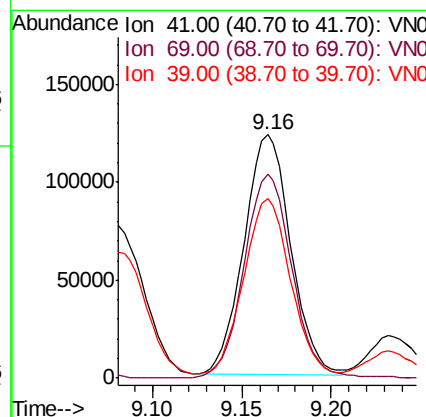
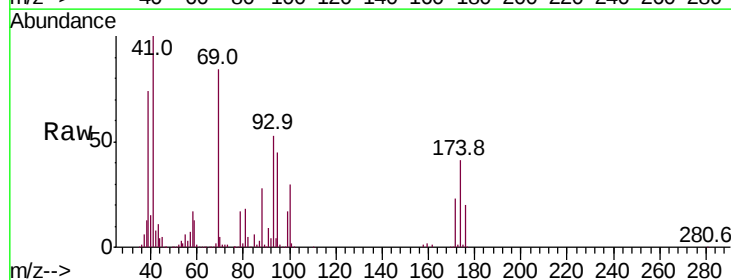
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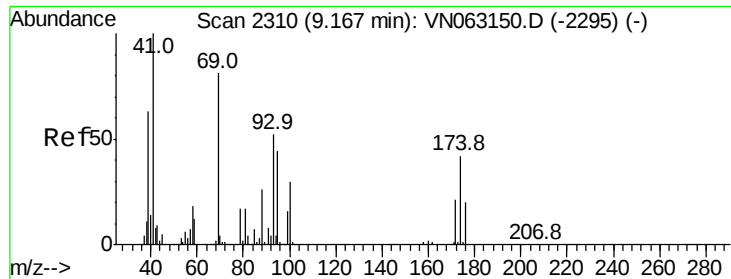
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#48
Methyl methacrylate
Concen: 50.811 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.2	65.9	98.9	
39	75.6	52.0	78.0	





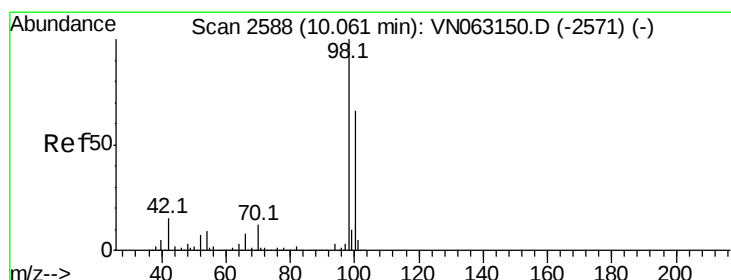
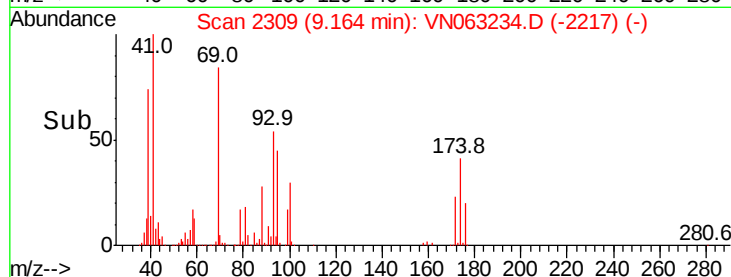
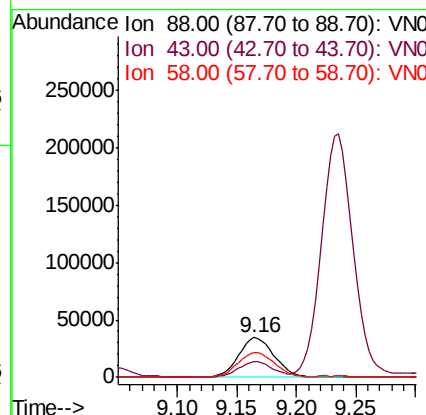
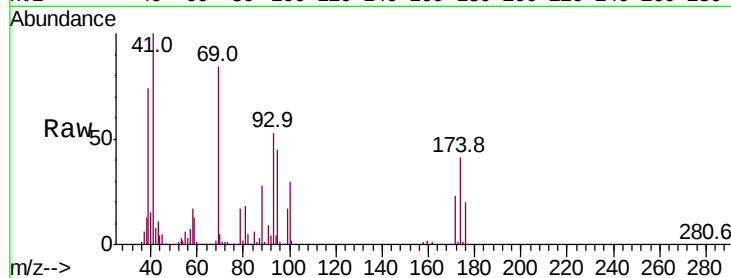
#49
1,4-Dioxane
Concen: 1058.759 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.6	42.8
58	64.0	53.2	79.8

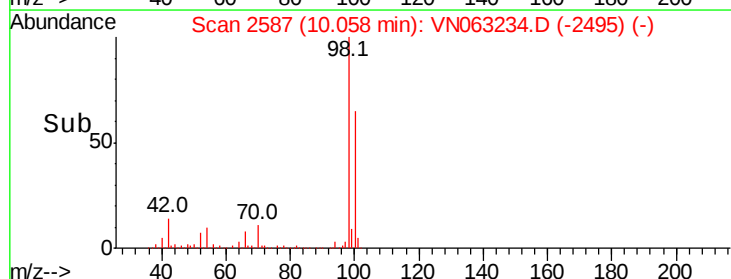
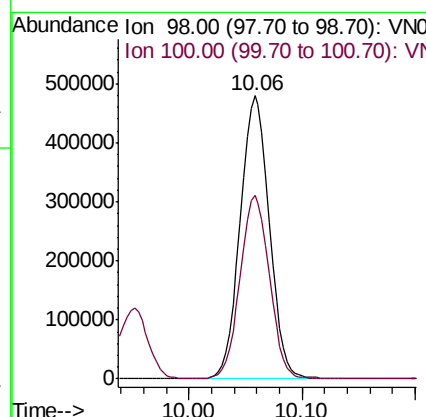
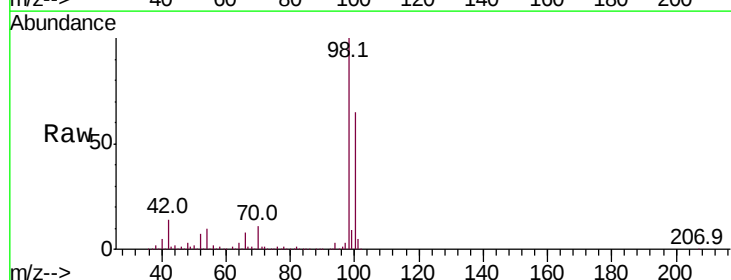
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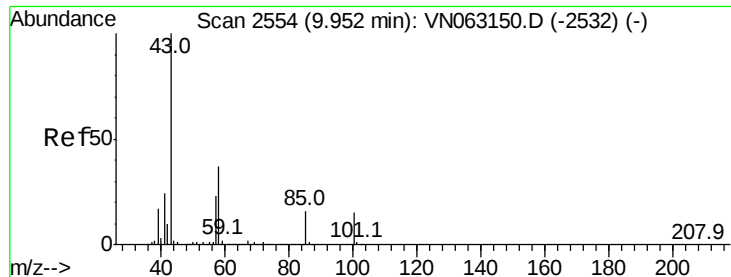
MMDadoda
9/8/2020 5:34:30 PM



#50
Toluene-d8
Concen: 55.757 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 276.047 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1475336

Ion Ratio Lower Upper

43 100

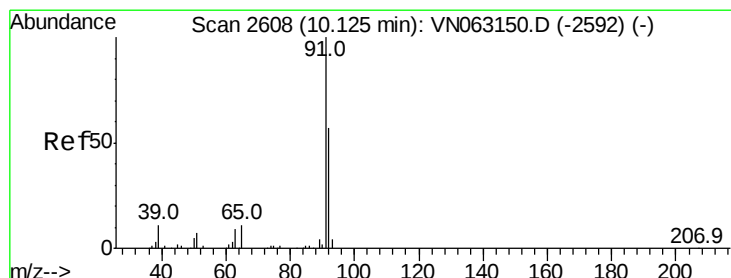
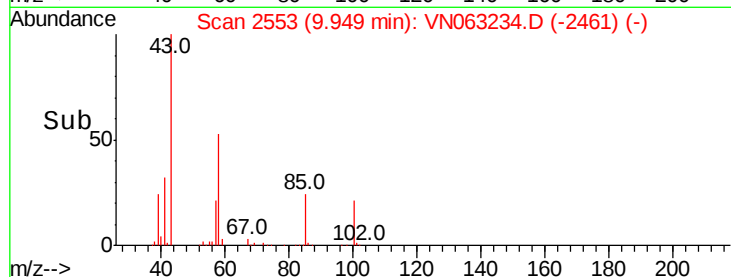
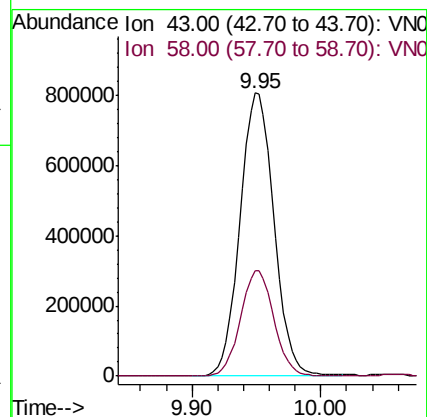
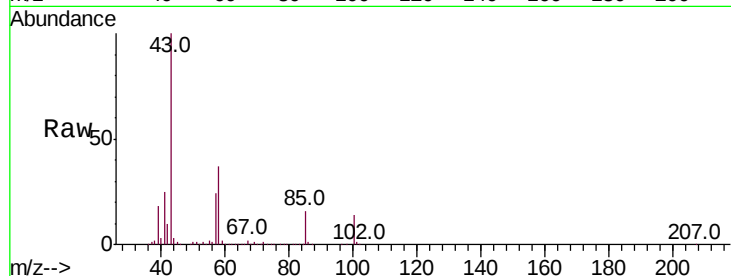
58 36.7 29.2 43.8

Manual Integrations

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#52

Toluene

Concen: 53.815 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063234.D

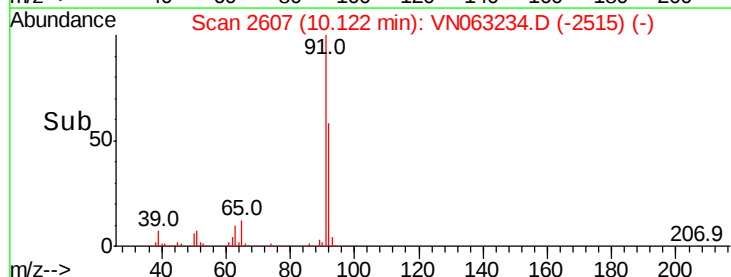
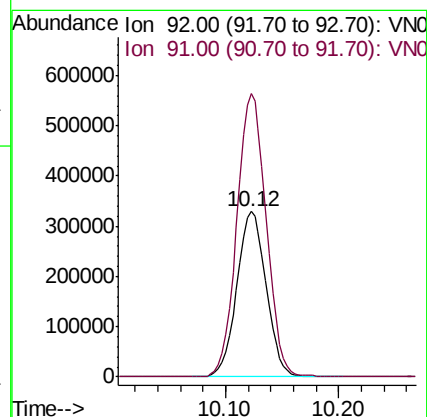
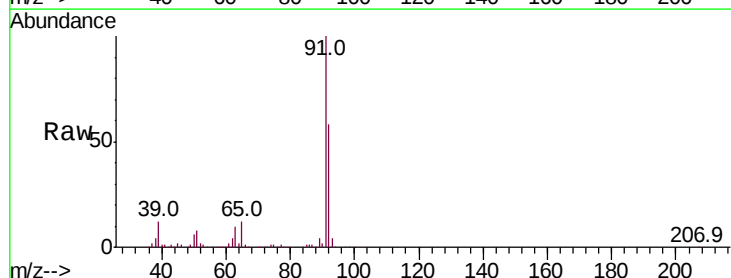
Acq: 4 Sep 2020 9:20

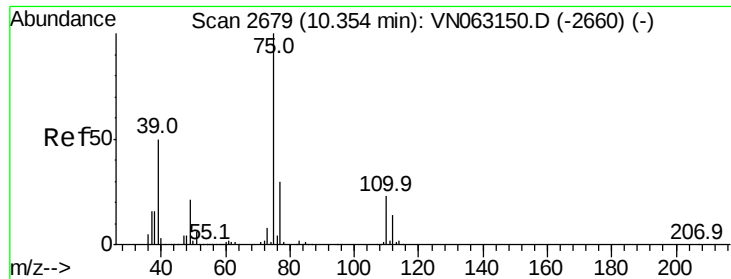
Tgt Ion: 92 Resp: 594103

Ion Ratio Lower Upper

92 100

91 171.7 141.2 211.8





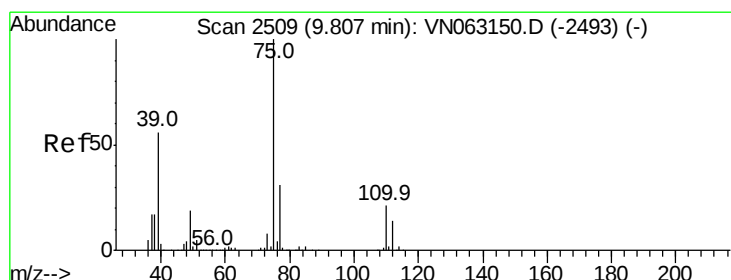
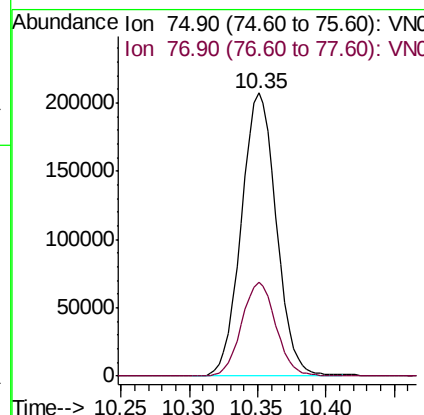
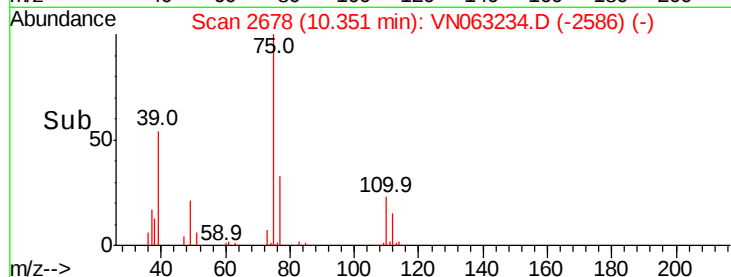
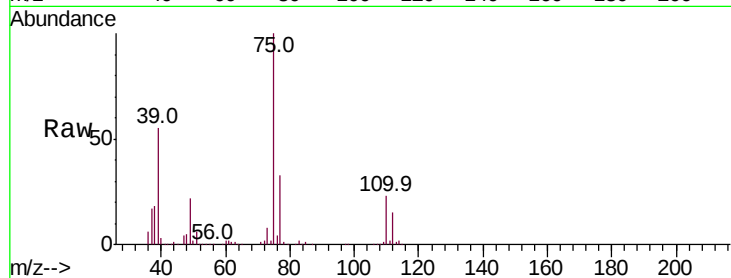
#53
t-1,3-Dichloropropene
Concen: 50.704 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 369665
Ion Ratio Lower Upper
75 100
77 33.0 24.2 36.2

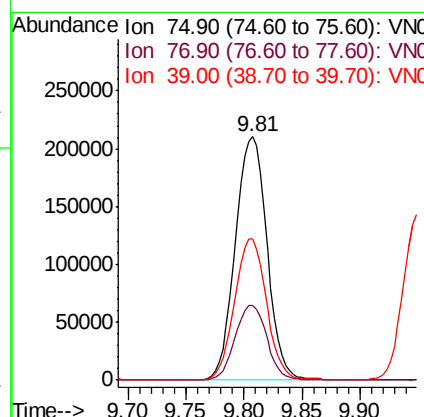
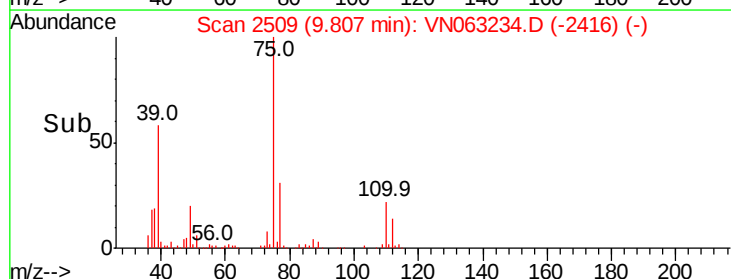
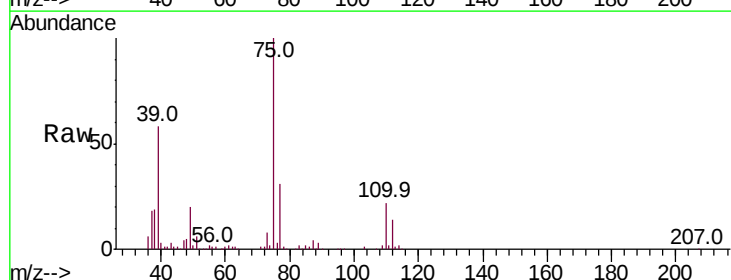
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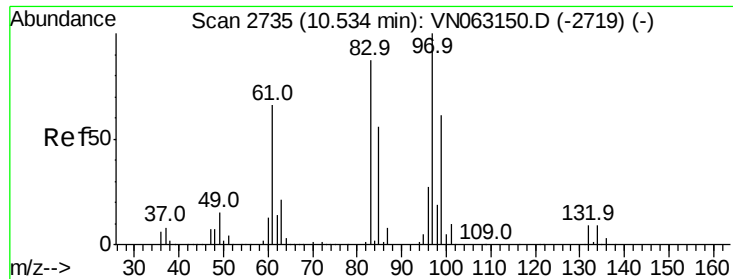
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#54
cis-1,3-Dichloropropene
Concen: 51.974 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 75 Resp: 397747
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2
39 57.7 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 53.417 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

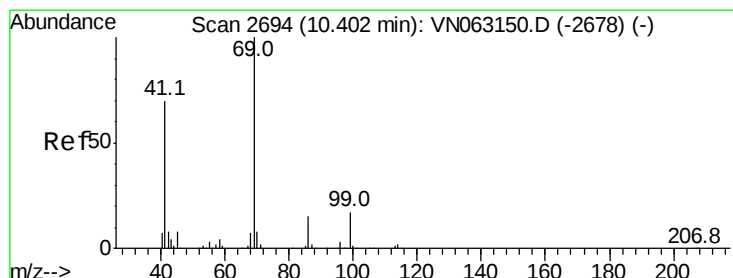
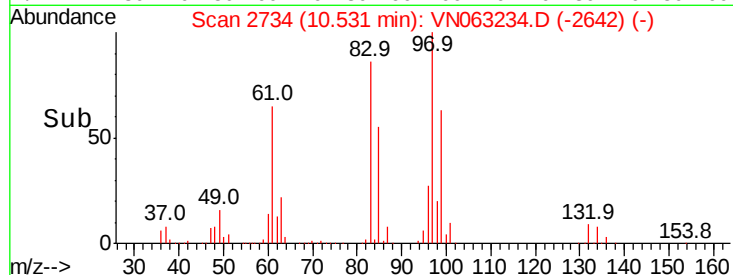
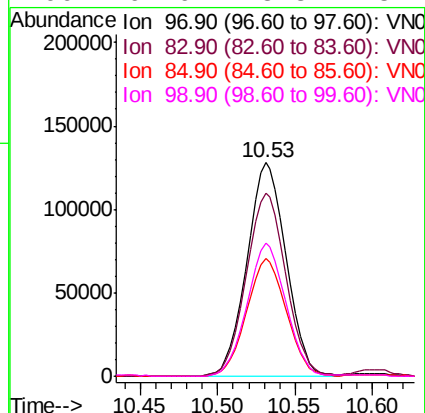
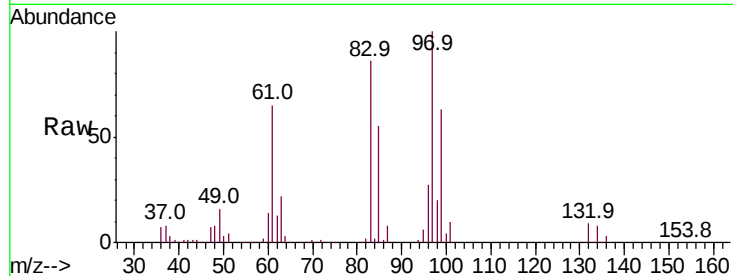
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	225841		
83	85.8	69.8	104.8	
85	55.4	44.9	67.3	
99	62.6	48.8	73.2	

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.095 ug/l

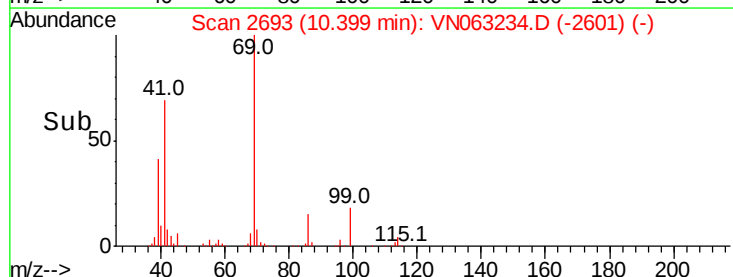
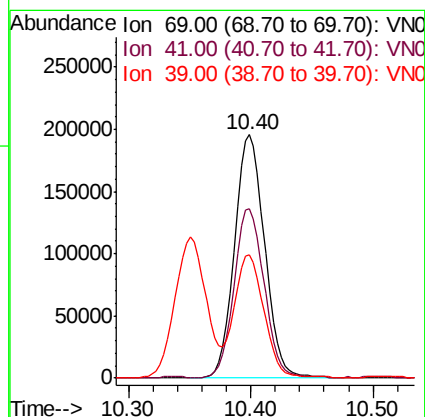
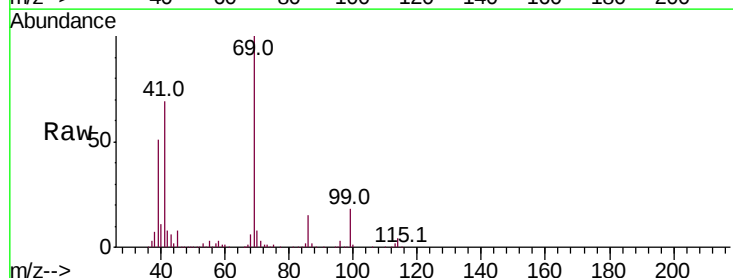
RT: 10.40 min Scan# 2693

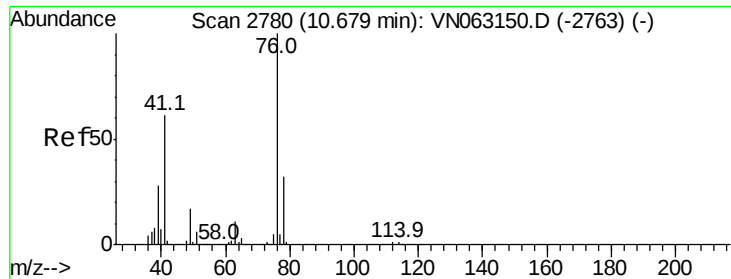
Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	335185		
41	69.2	55.5	83.3	
39	49.5	38.2	57.2	





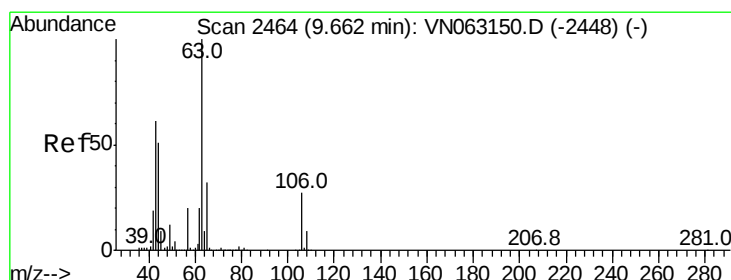
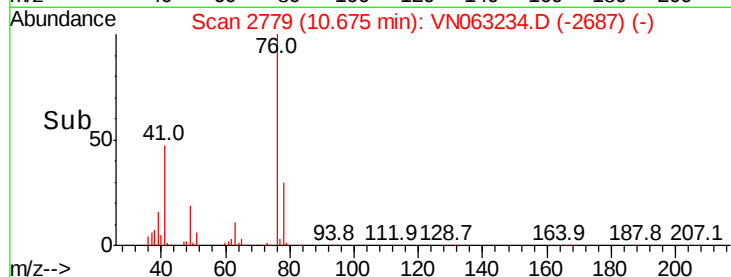
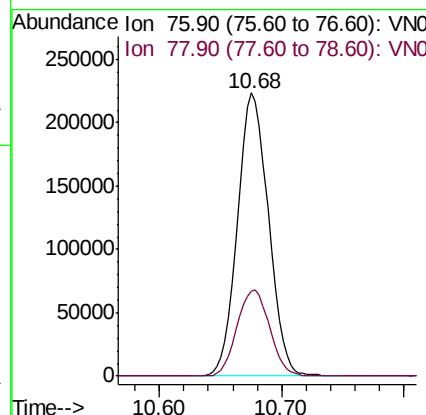
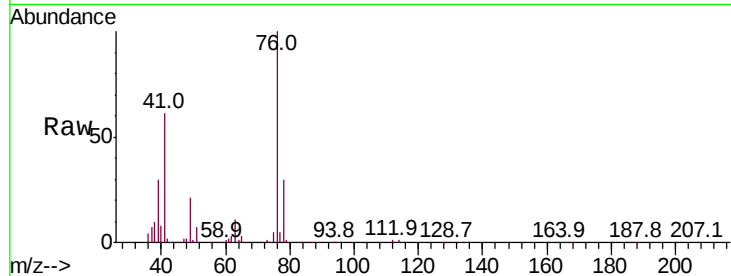
#57
 1,3-Dichloropropane
 Concen: 52.305 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

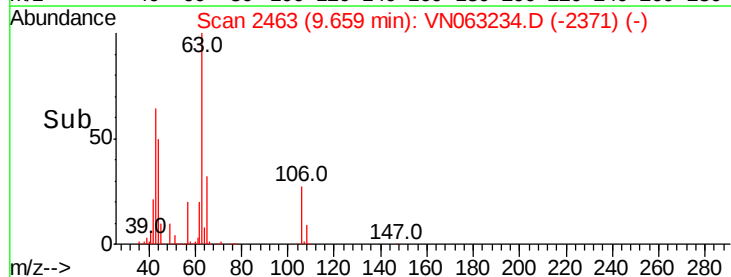
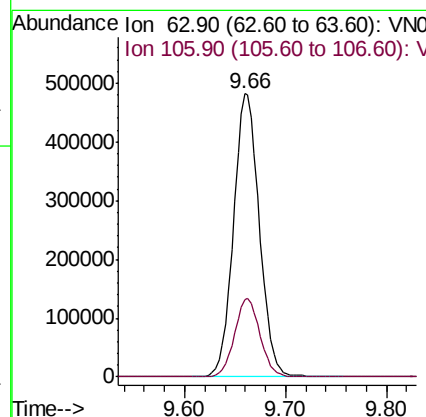
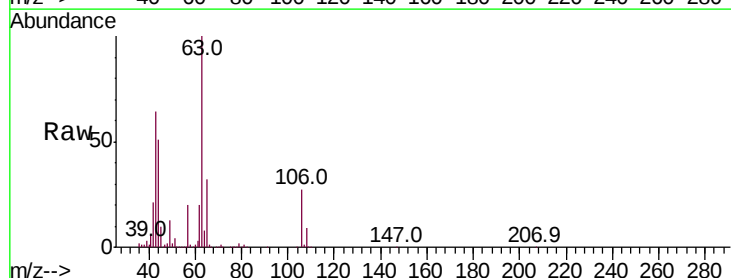
Manual Integrations
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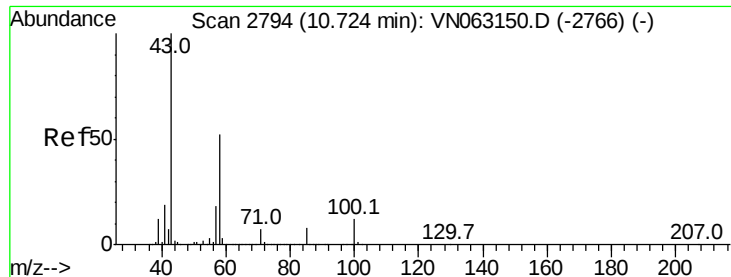
MMDadoda
 9/8/2020 5:34:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.307 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6





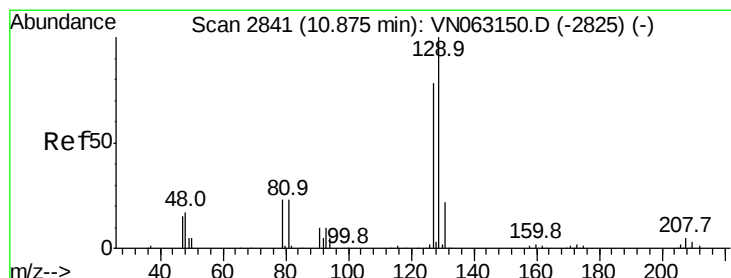
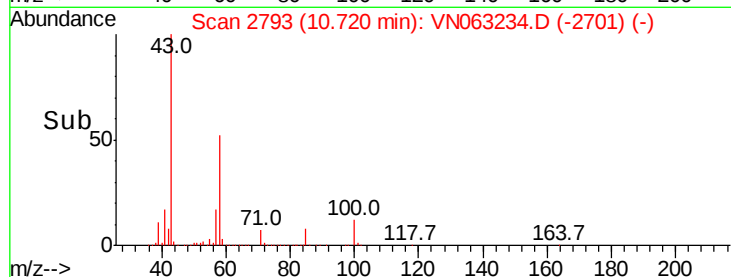
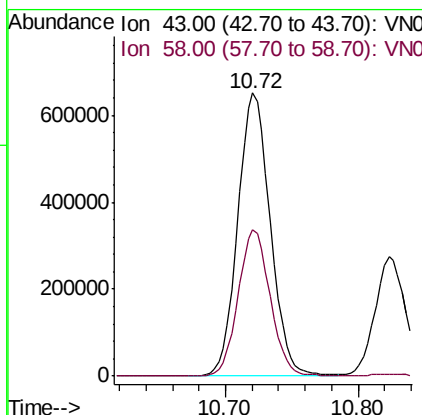
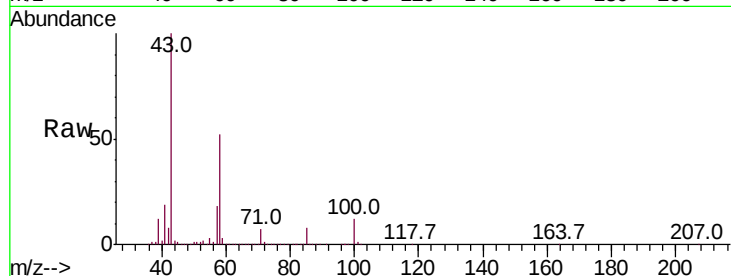
#59
2-Hexanone
Concen: 294.955 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1107864
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.8

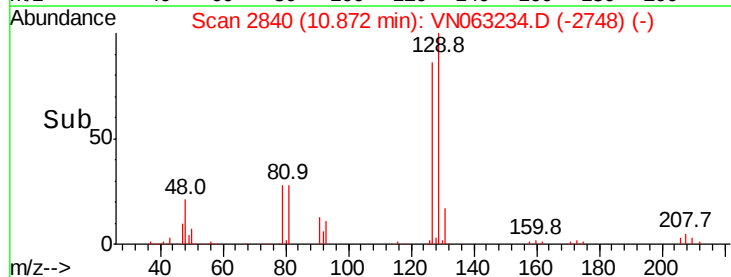
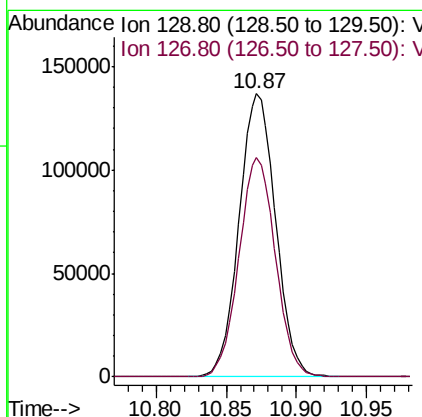
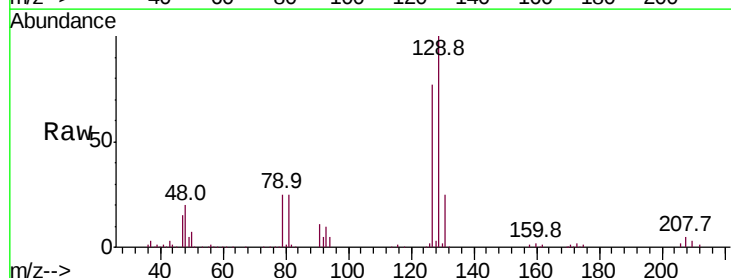
Manual Integrations
APPROVED

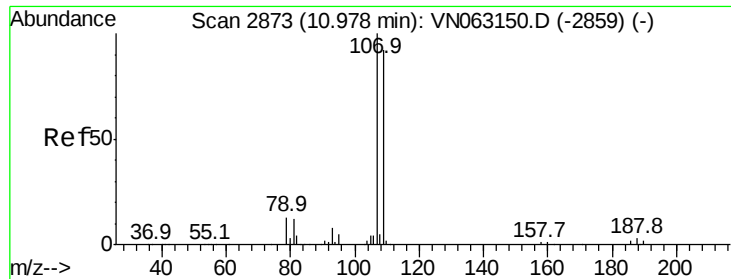
MMDadoda
9/8/2020 5:34:30 PM



#60
Dibromochloromethane
Concen: 53.195 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 129 Resp: 248643
Ion Ratio Lower Upper
129 100
127 77.3 39.0 117.0





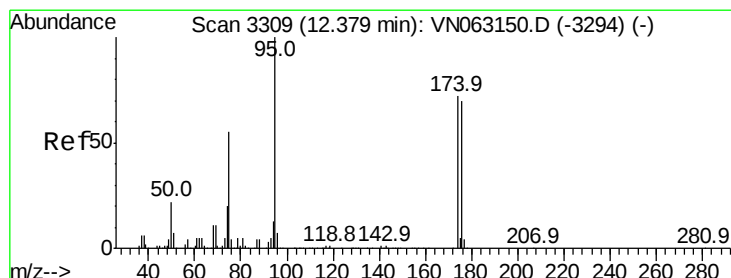
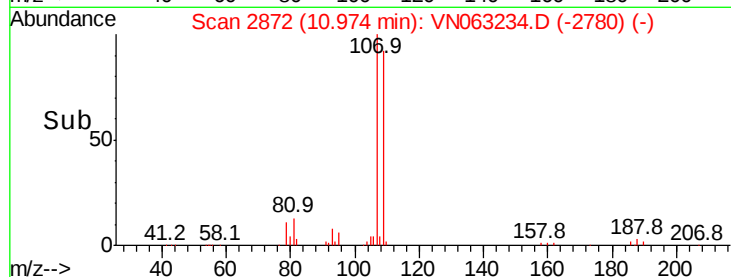
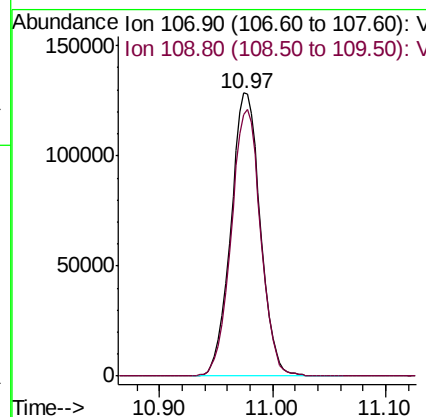
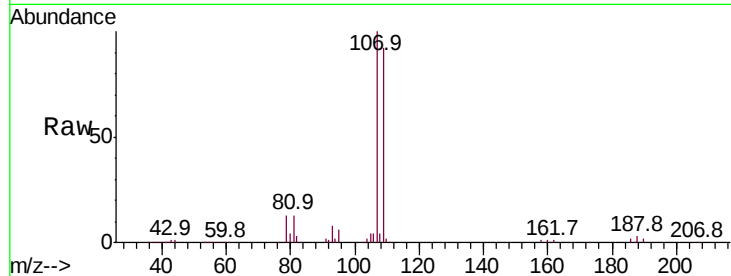
#61
 1,2-Dibromoethane
 Concen: 52.931 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	232632		
109	94.1	73.4	110.0	

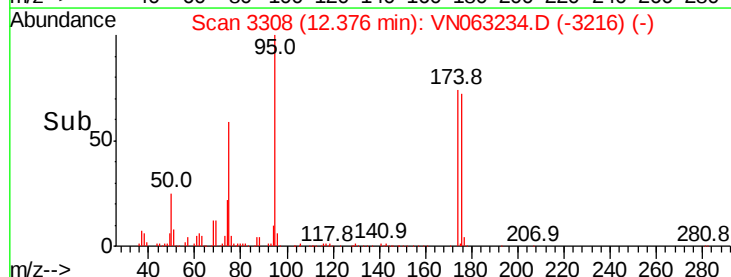
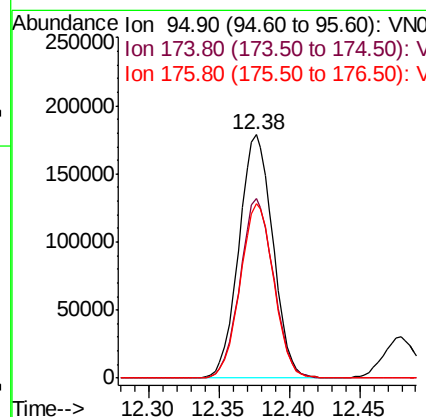
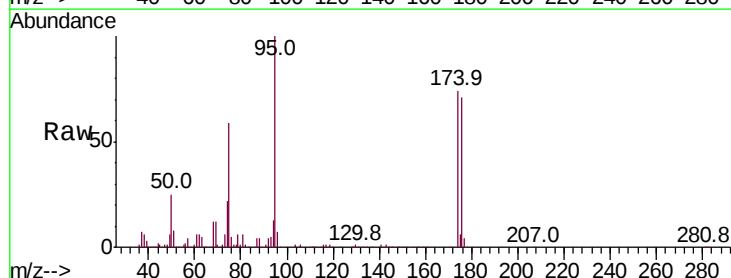
Manual Integrations
 APPROVED

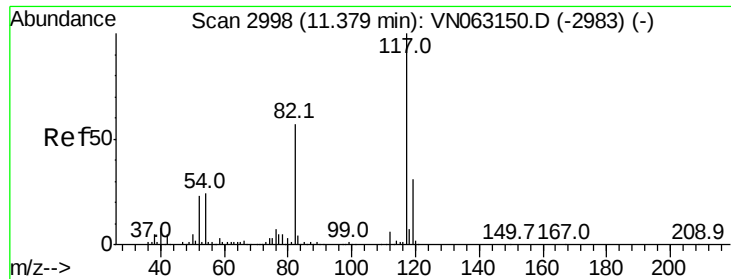
MMDadoda
 9/8/2020 5:34:30 PM



#62
 4-Bromofluorobenzene
 Concen: 55.649 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	301545		
174	73.2	0.0	143.8	
176	71.2	0.0	138.4	





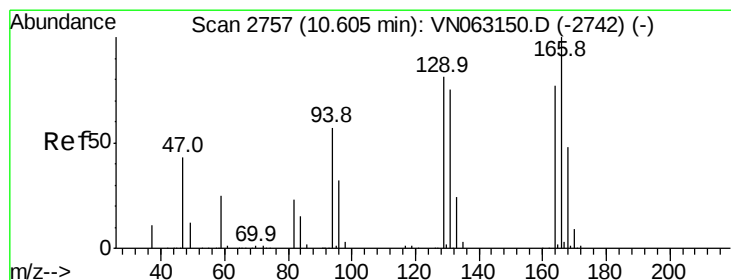
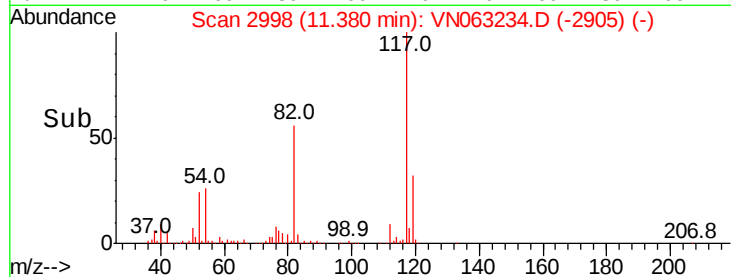
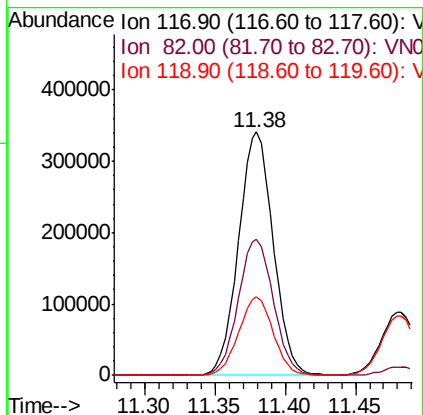
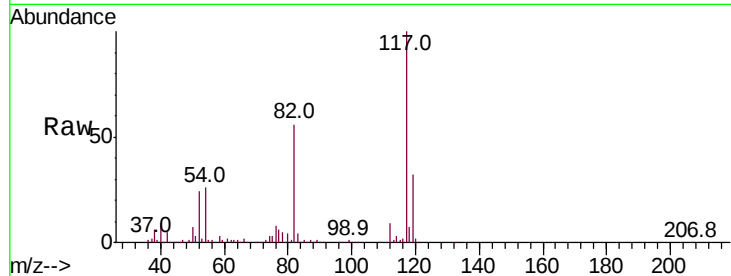
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	589113		
82	56.0		45.4	68.0
119	32.4		24.6	37.0

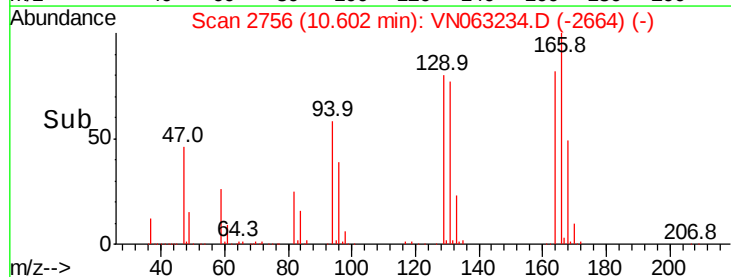
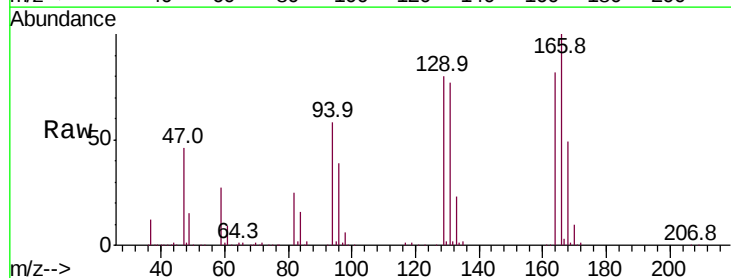
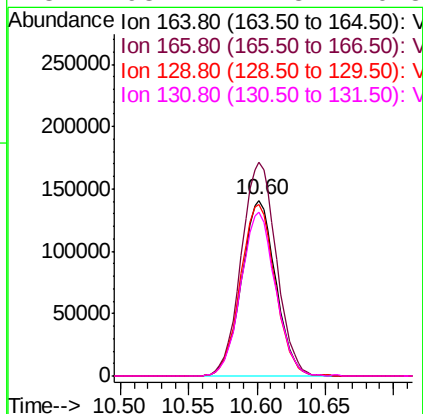
Manual Integrations
APPROVED

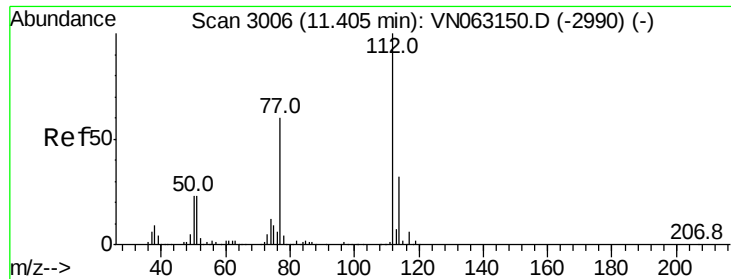
MMDadoda
9/8/2020 5:34:30 PM



#64
Tetrachloroethene
Concen: 57.720 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244181		
166	121.5		103.4	155.2
129	97.3		83.4	125.0
131	93.1		77.8	116.8





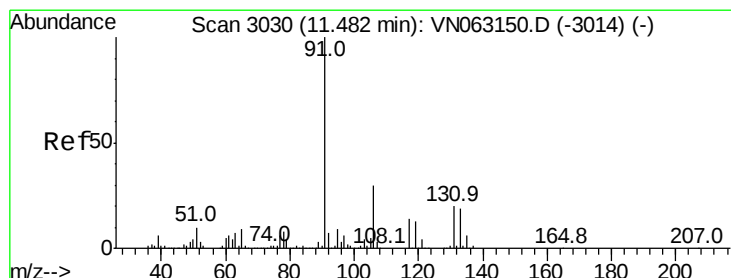
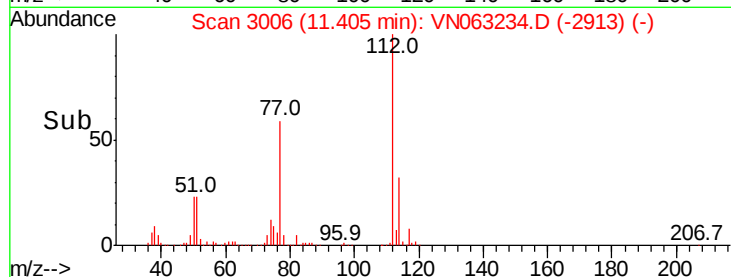
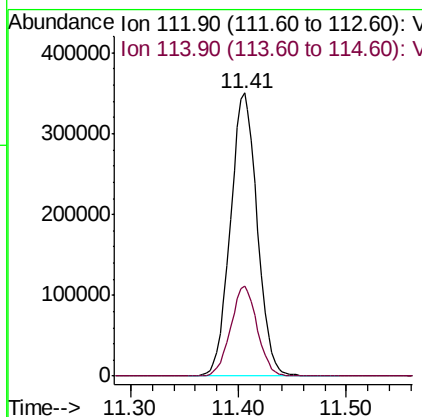
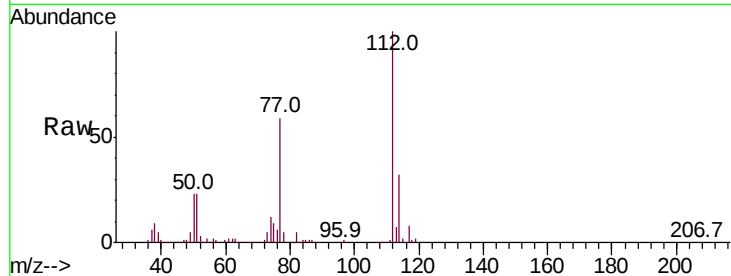
#65
Chlorobenzene
Concen: 51.304 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.2	37.8

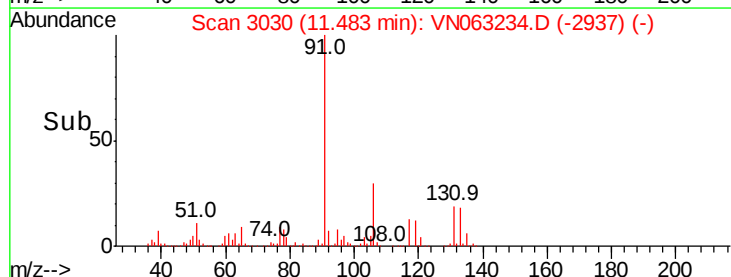
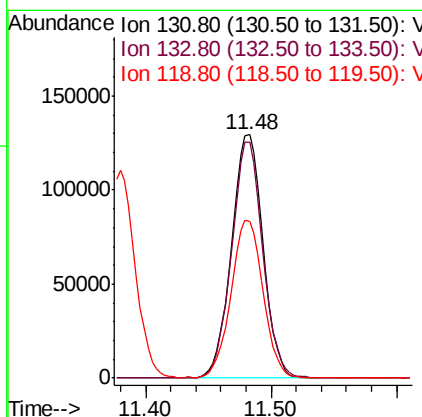
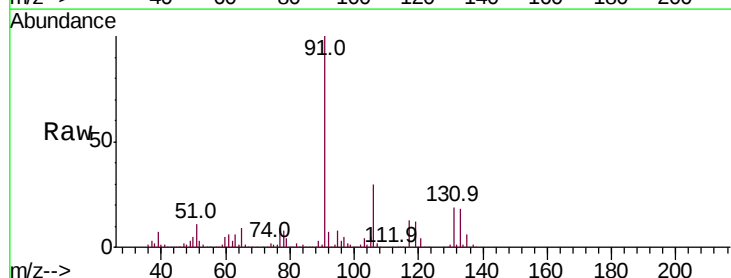
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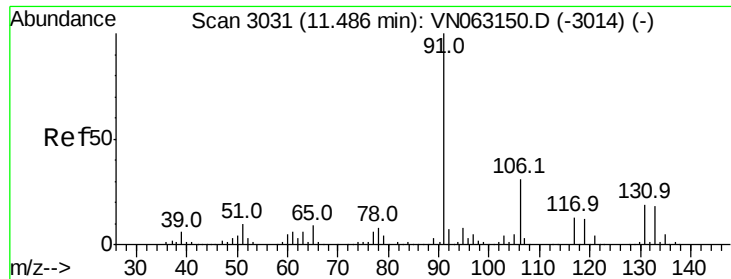
MMDadoda
9/8/2020 5:34:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.304 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	142.0
119	65.8	32.4	97.0





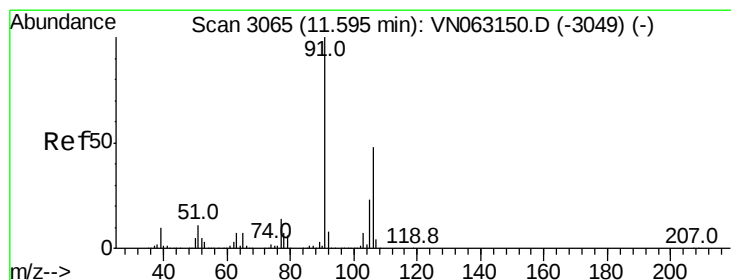
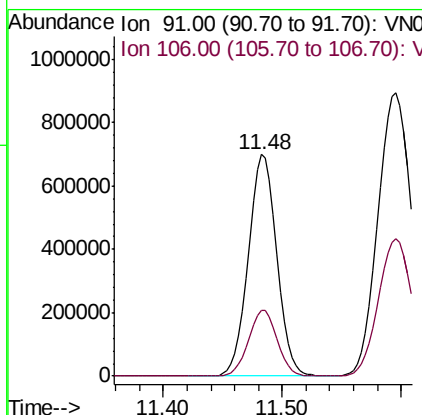
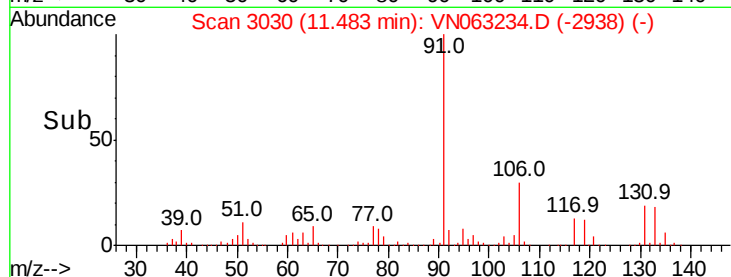
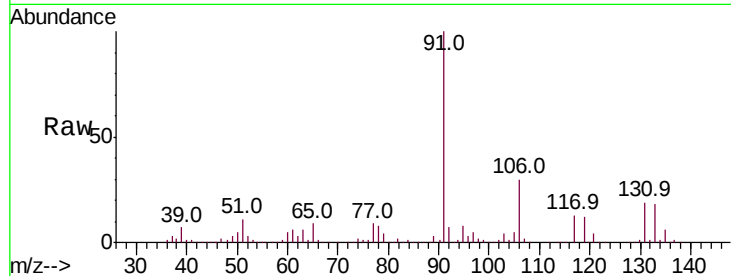
#67
Ethyl Benzene
Concen: 53.459 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1157175
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

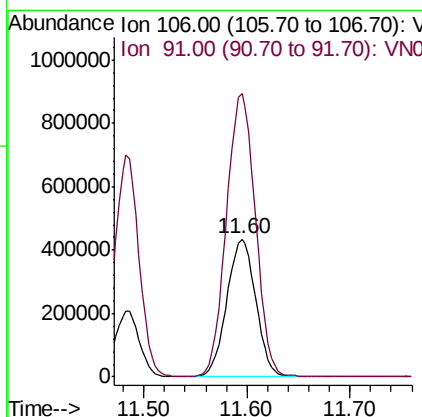
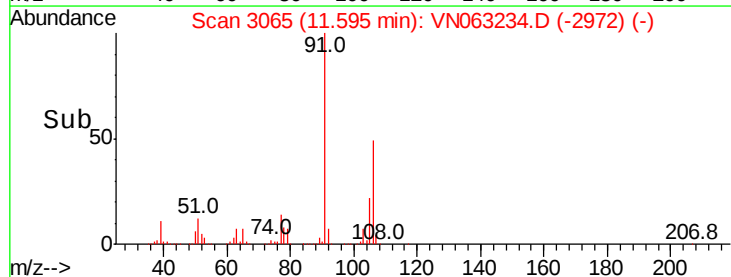
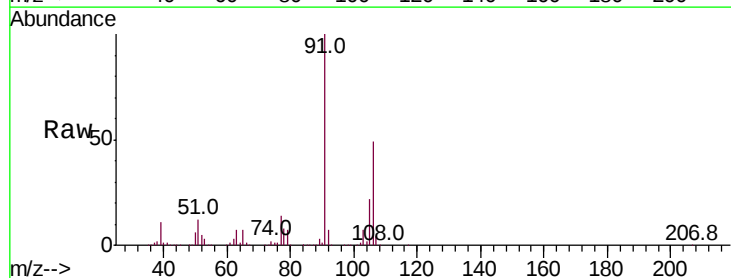
Manual Integrations
APPROVED

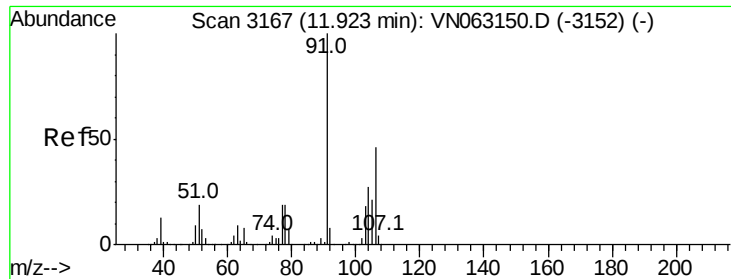
MMDadoda
9/8/2020 5:34:30 PM



#68
m/p-Xylenes
Concen: 106.309 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 106 Resp: 852277
Ion Ratio Lower Upper
106 100
91 205.9 166.7 250.1





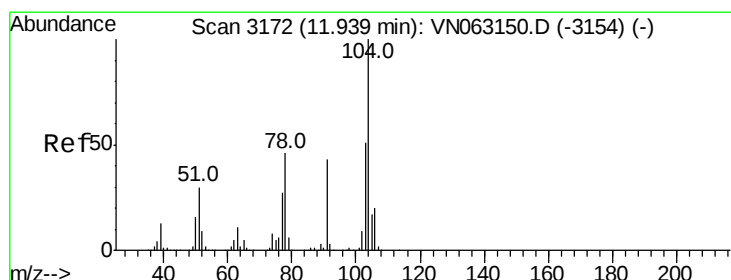
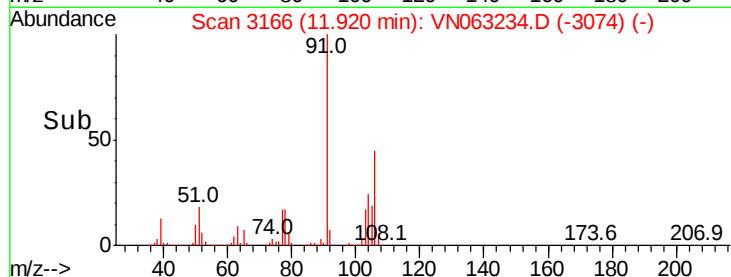
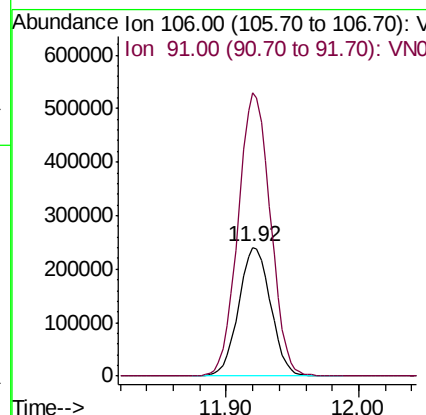
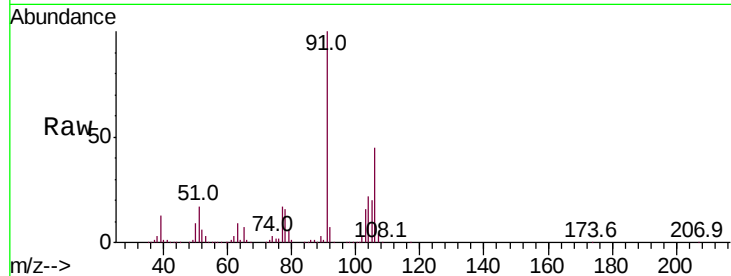
#69
o-Xylene
Concen: 52.178 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 404108
Ion Ratio Lower Upper
106 100
91 222.2 108.6 325.6

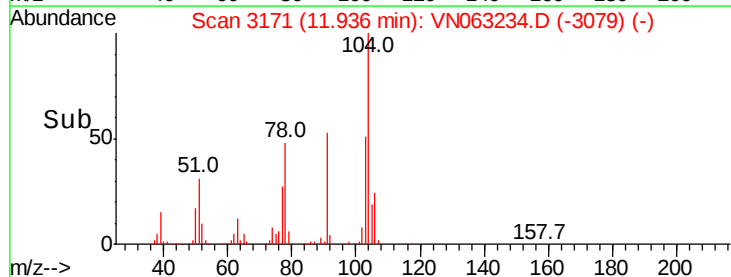
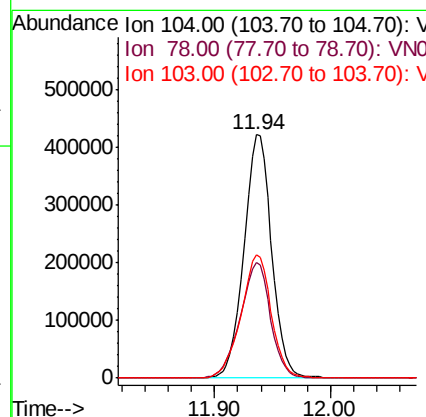
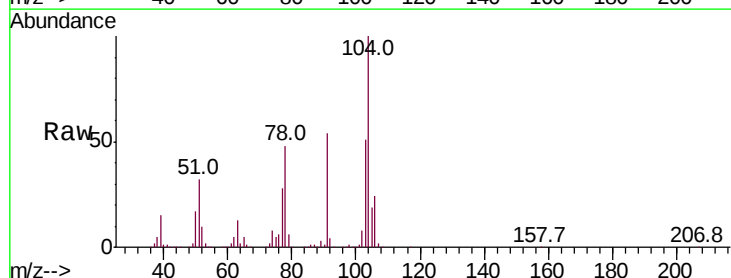
Manual Integrations
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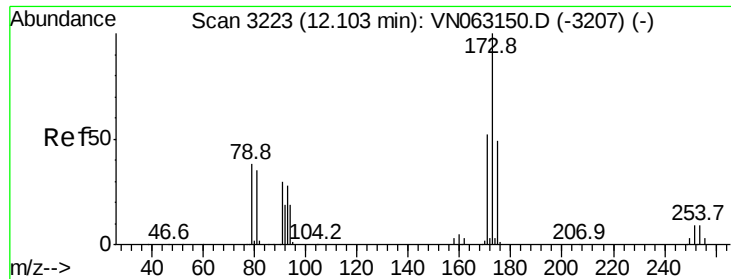
MMDadoda
9/8/2020 5:34:30 PM



#70
Styrene
Concen: 52.584 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion:104 Resp: 699896
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.6
103 55.1 43.8 65.8





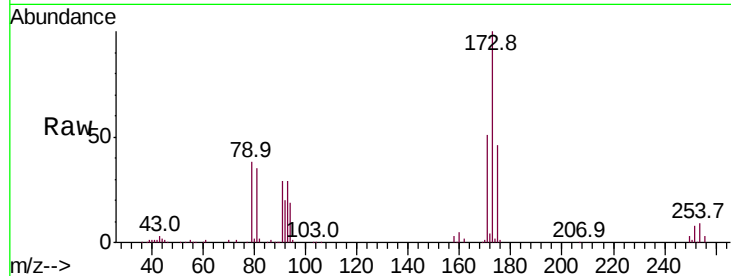
#71
Bromoform
Concen: 51.648 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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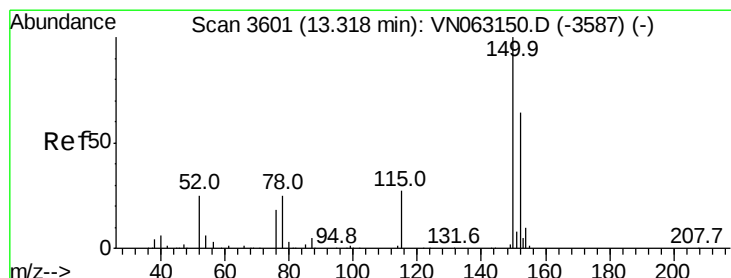
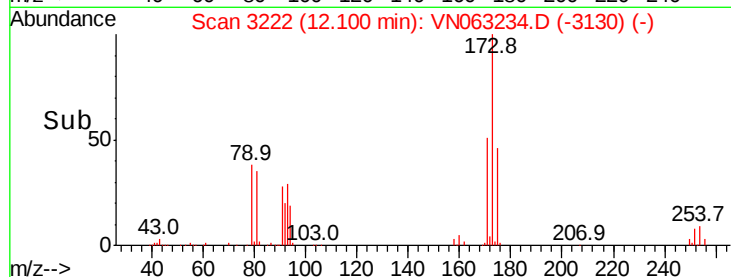
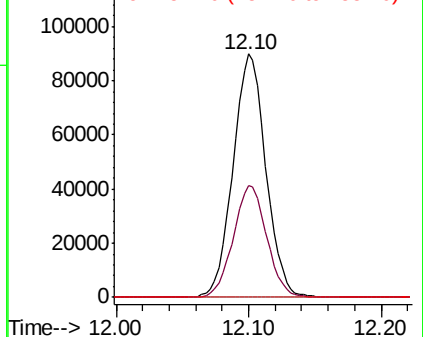


Abundance

Ion 172.70 (172.40 to 173.40): V

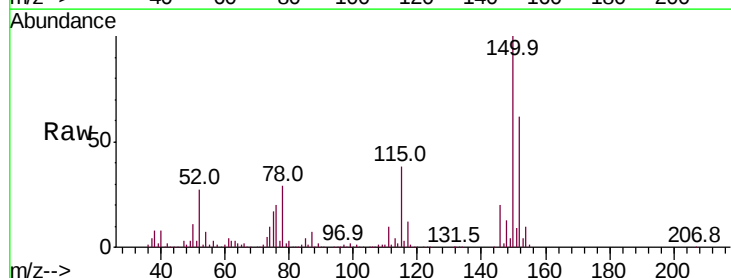
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	32.0	96.2
150	170.6	0.0	353.0

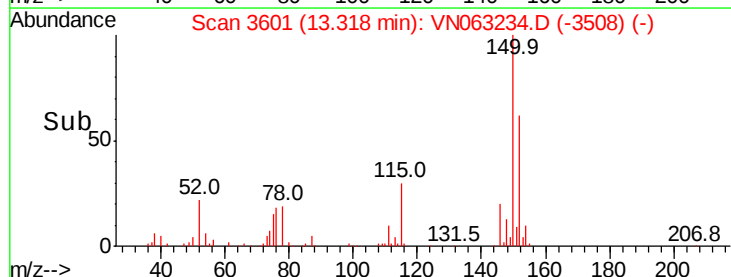
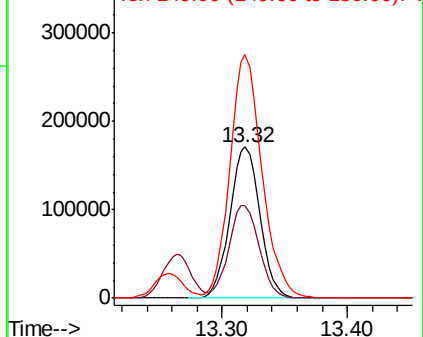


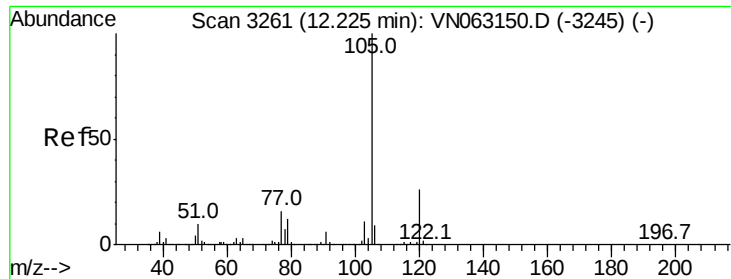
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





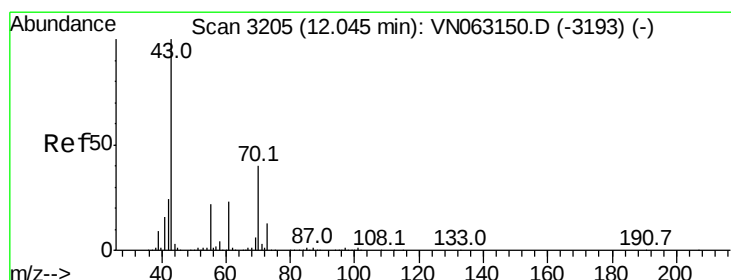
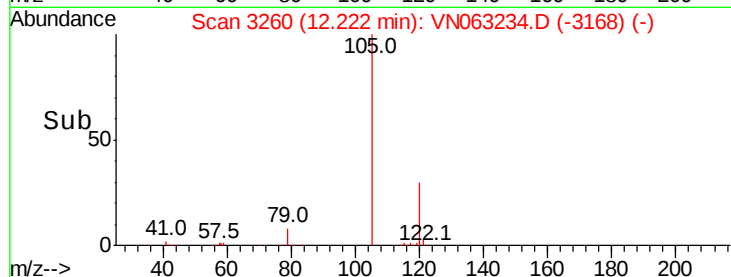
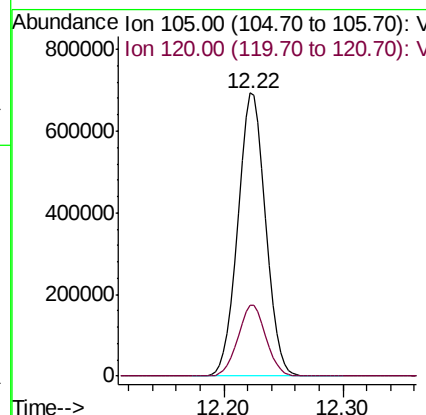
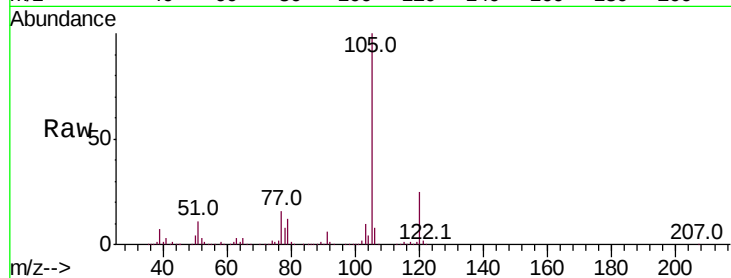
#73
Isopropylbenzene
Concen: 51.110 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1118941
Ion Ratio Lower Upper
105 100
120 25.2 12.9 38.6

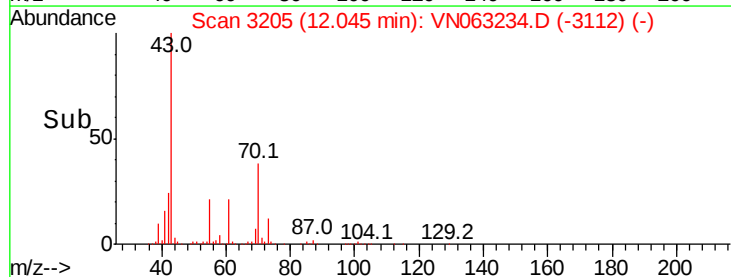
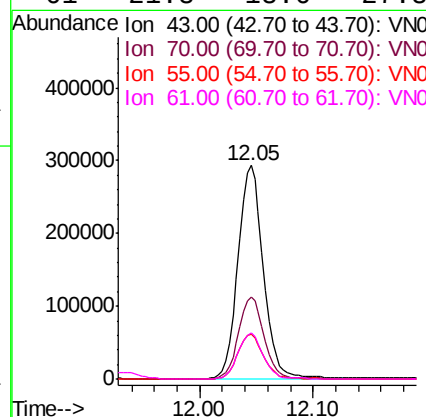
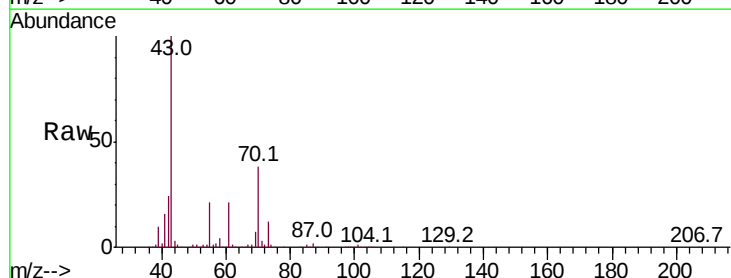
Manual Integrations
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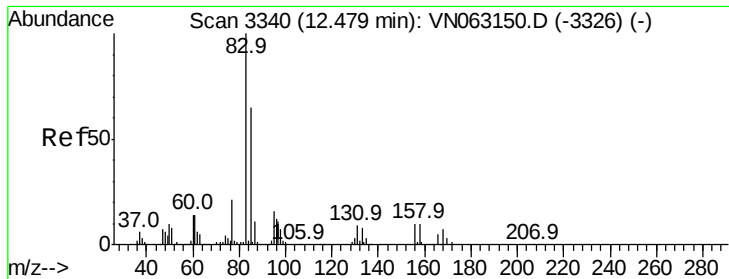
MMDadoda
9/8/2020 5:34:30 PM



#74
N-ethyl acetate
Concen: 50.241 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion: 43 Resp: 455596
Ion Ratio Lower Upper
43 100
70 39.0 32.1 48.1
55 21.4 17.4 26.0
61 21.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.514 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 293583
Ion Ratio Lower Upper

83 100

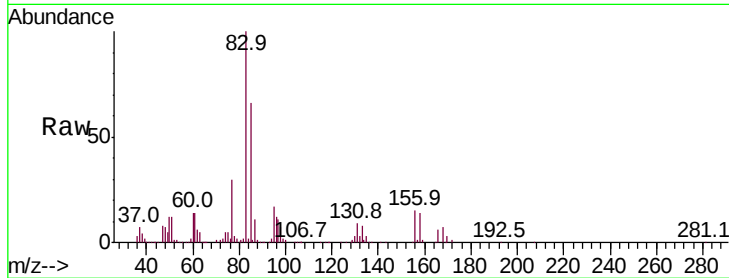
131 9.2 4.7 14.0

85 65.5 32.7 98.1

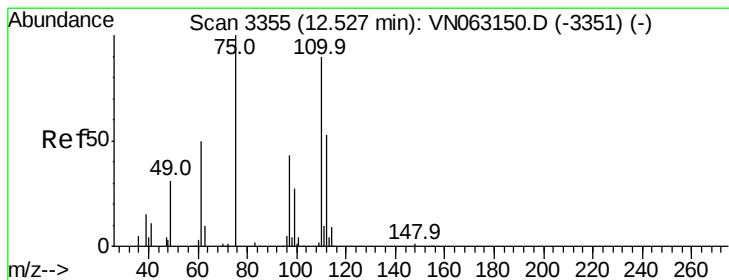
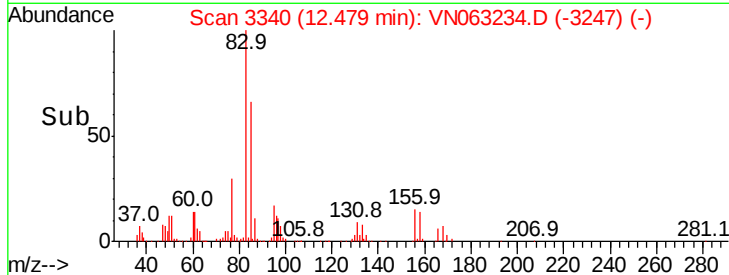
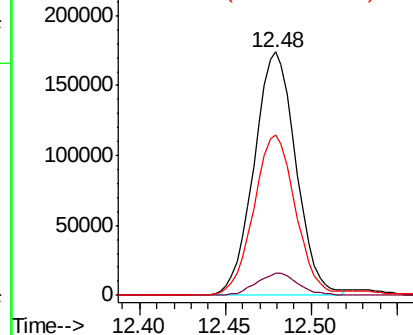
Manual Integrations
APPROVED

MMDadoda

9/8/2020 5:34:30 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 50.920 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

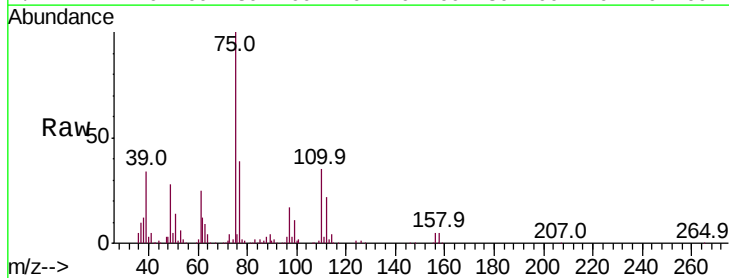
Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

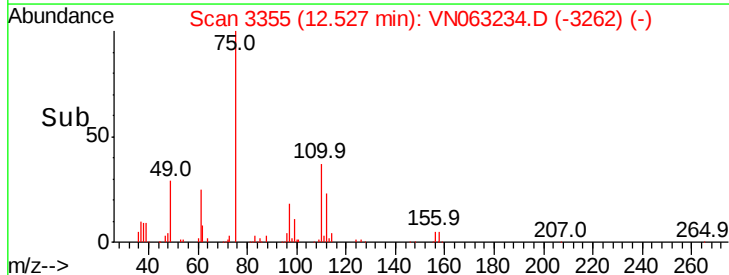
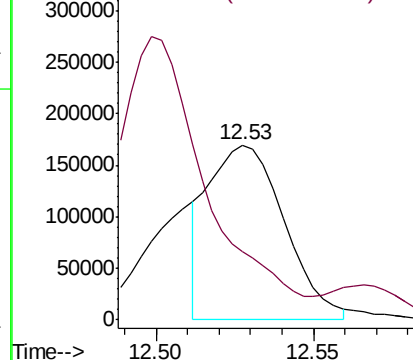
Tgt Ion: 75 Resp: 285569
Ion Ratio Lower Upper

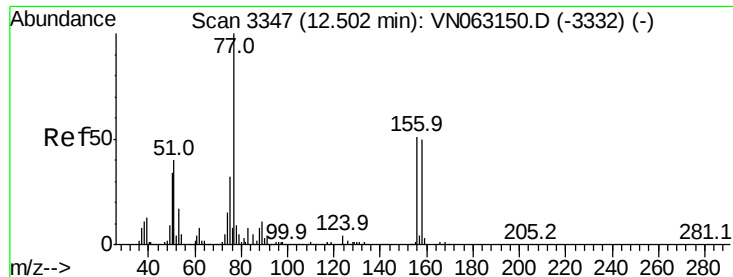
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.325 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 244218

Ion Ratio Lower Upper

156 100

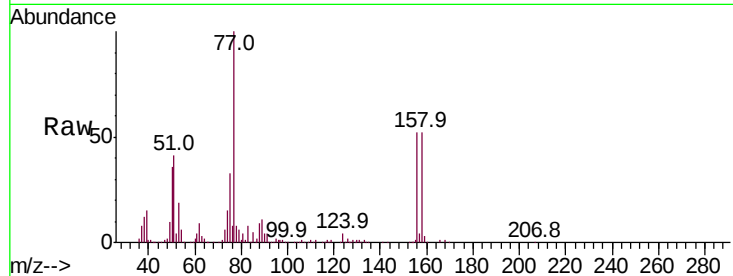
77 227.0 116.1 348.3

158 97.5 48.8 146.4

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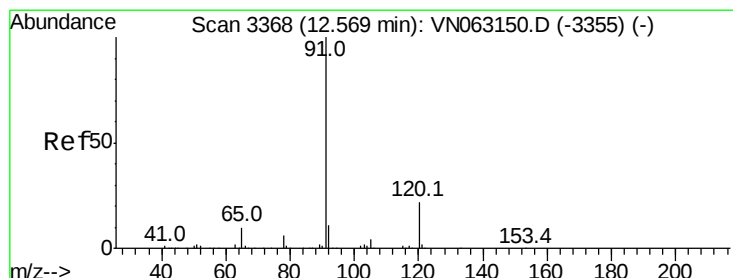
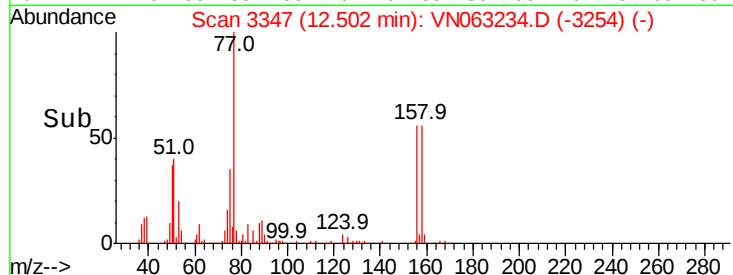
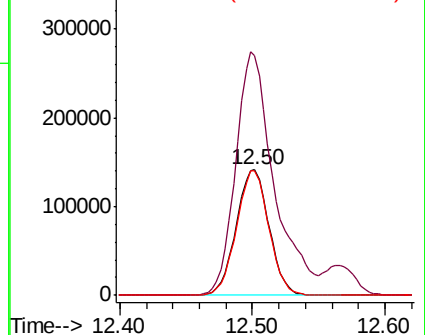
9/8/2020 5:34:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.739 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063234.D

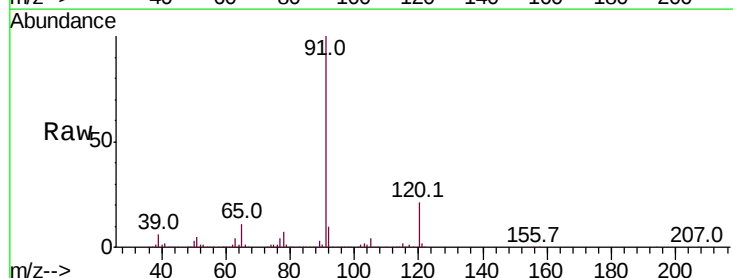
Acq: 4 Sep 2020 9:20

Tgt Ion: 91 Resp: 1336067

Ion Ratio Lower Upper

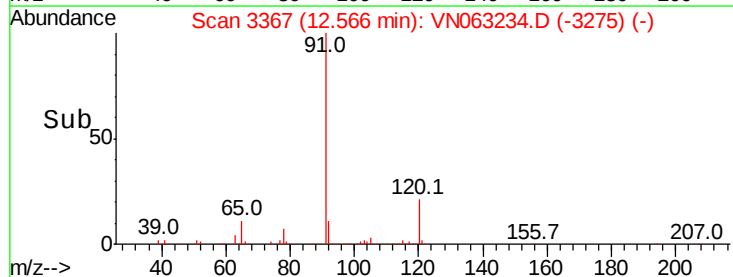
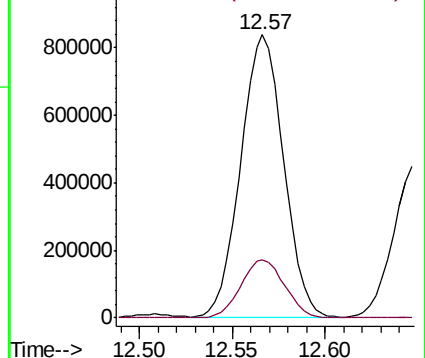
91 100

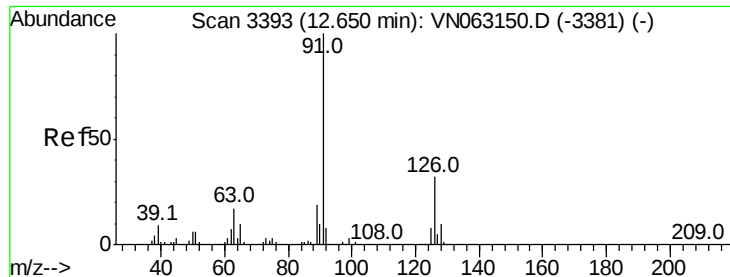
120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





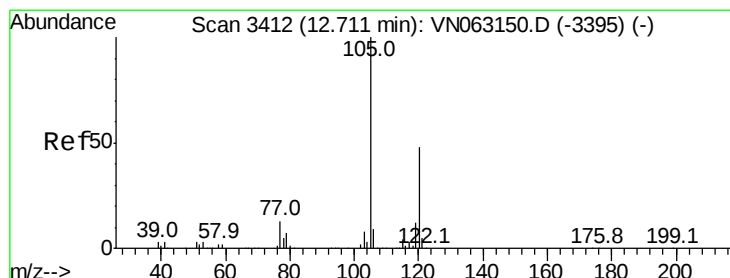
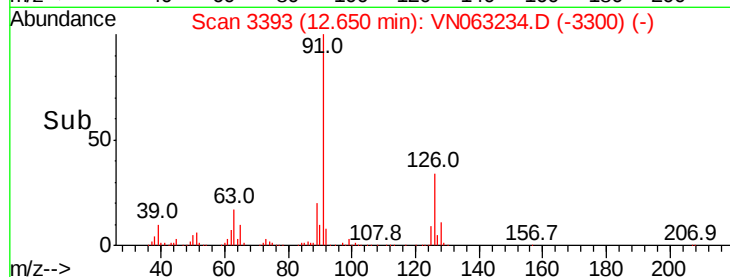
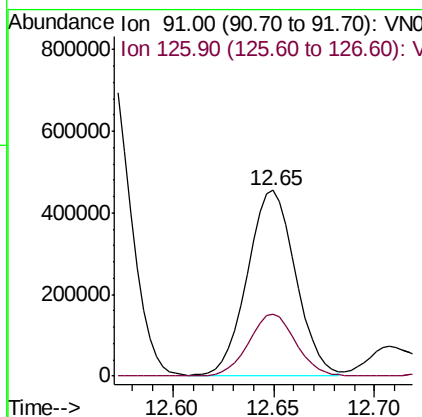
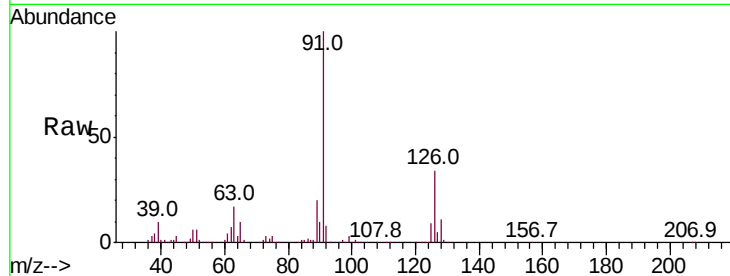
#79
 2-Chlorotoluene
 Concen: 49.782 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

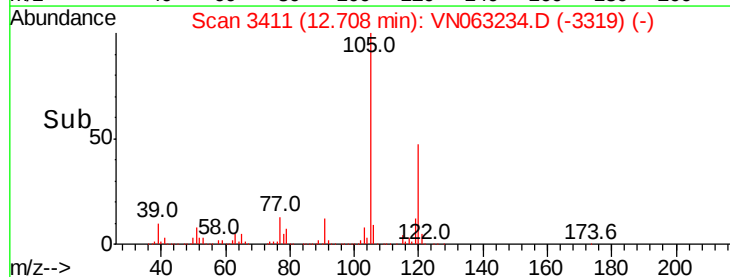
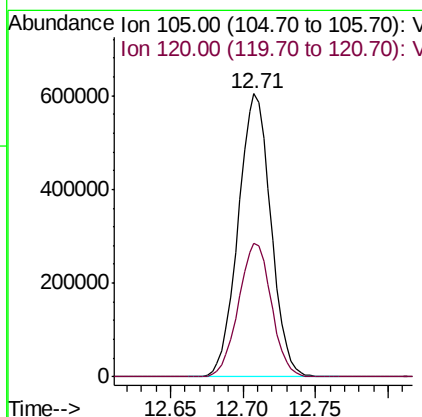
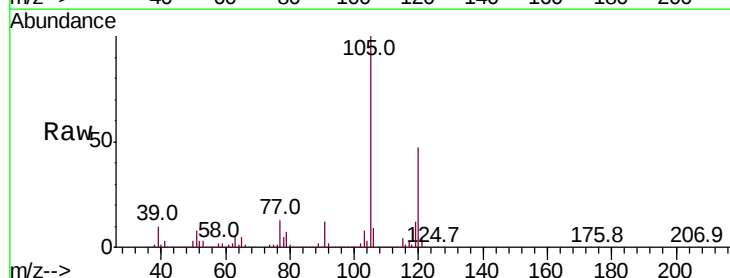
Manual Integrations
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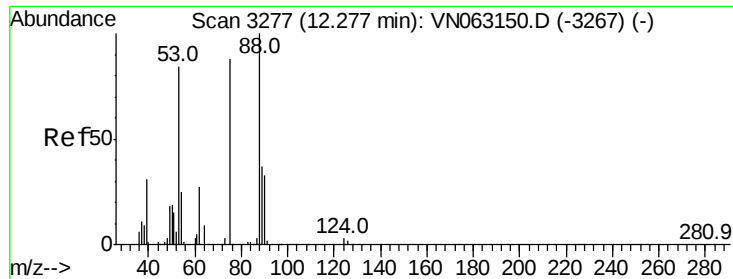
MMDadoda
 9/8/2020 5:34:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.698 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.2	72.6





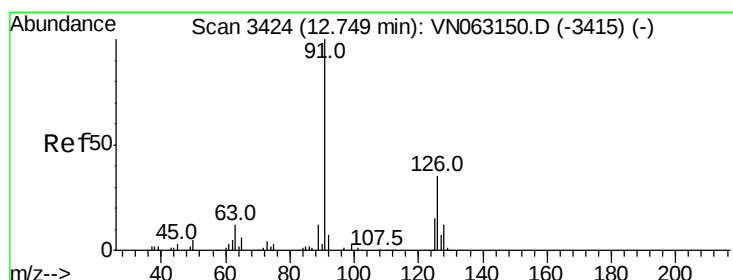
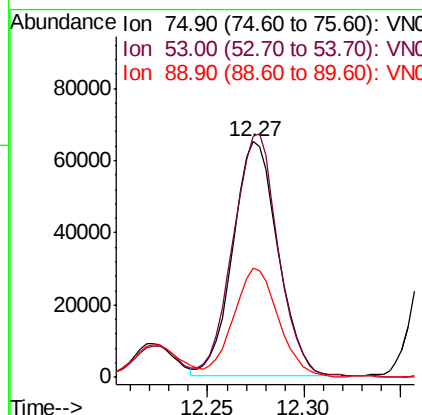
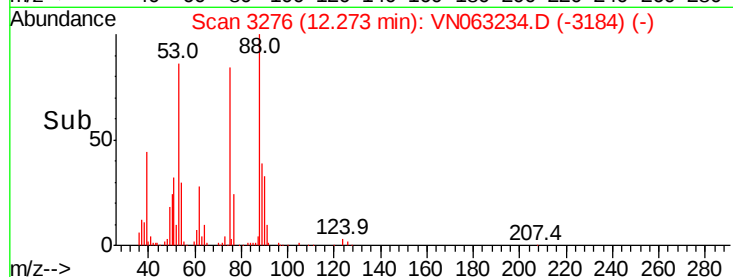
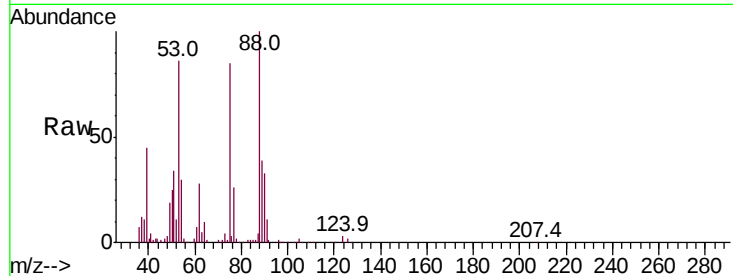
#81
trans-1,4-Dichloro-2-butene
Concen: 44.892 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.7	118.1
89	46.9	35.3	52.9

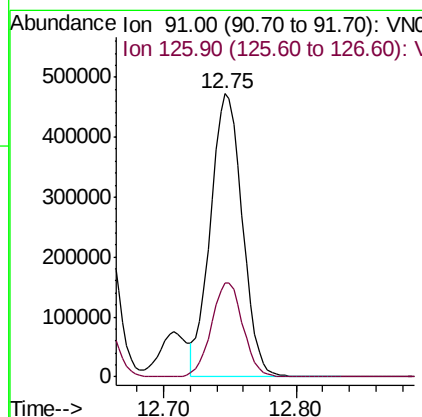
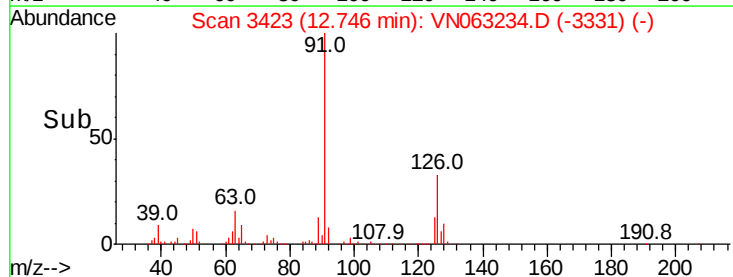
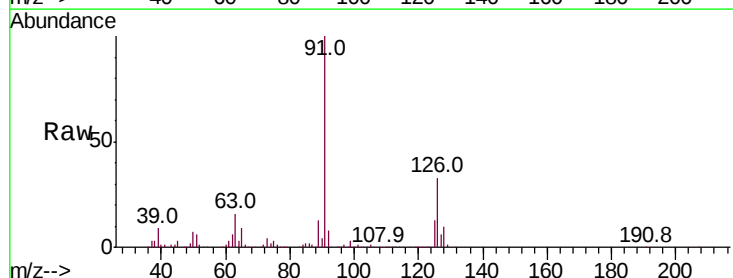
Manual Integrations
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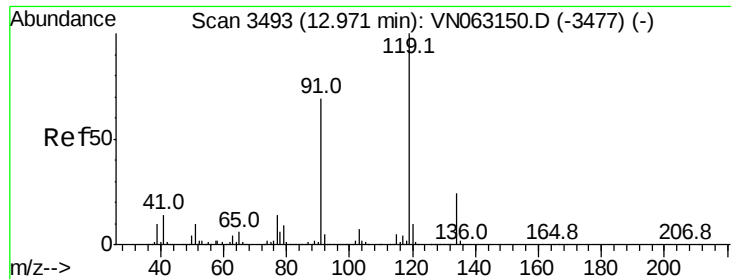
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.022 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.226 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

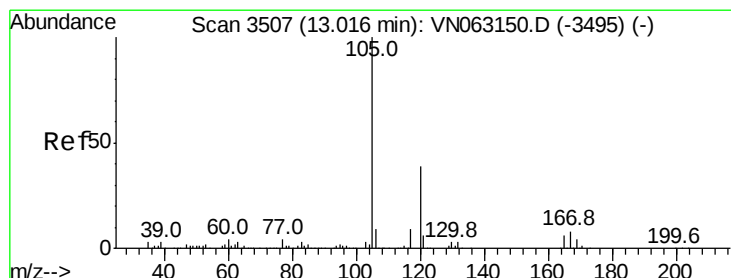
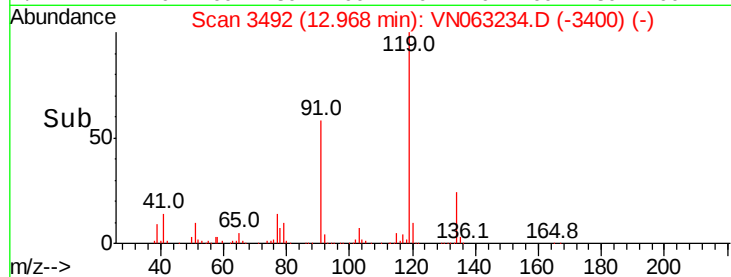
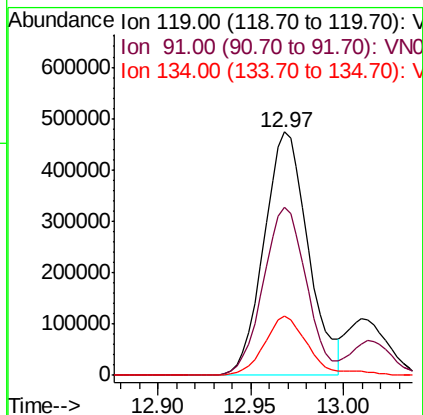
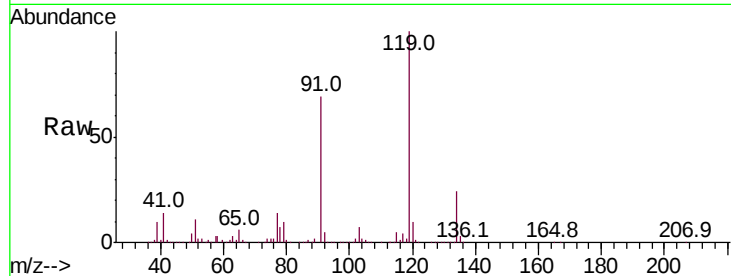
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	784949
Ion Ratio	Lower	Upper	
119	100		
91	67.7	33.7	101.0
134	23.2	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.546 ug/l

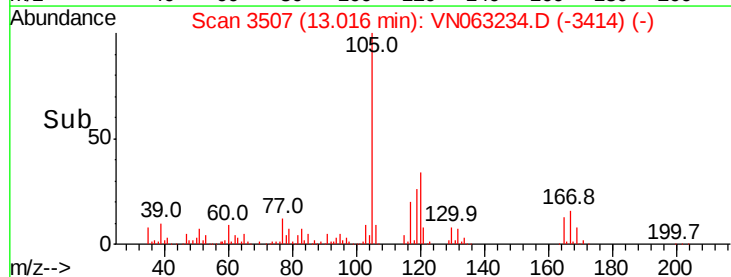
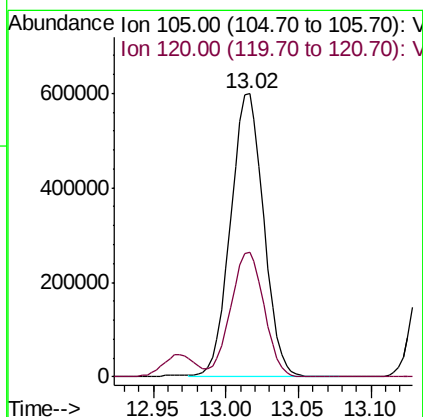
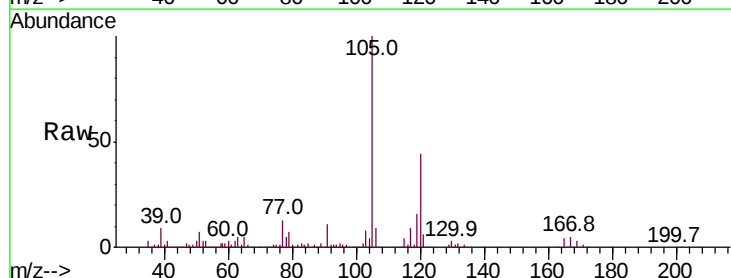
RT: 13.02 min Scan# 3507

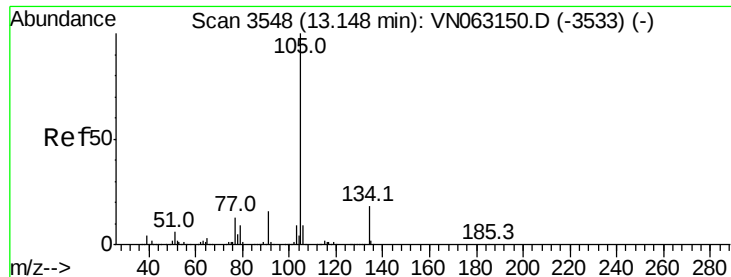
Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Tgt Ion:	105	Resp:	946780
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 52.874 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1076938

Ion Ratio Lower Upper

105 100

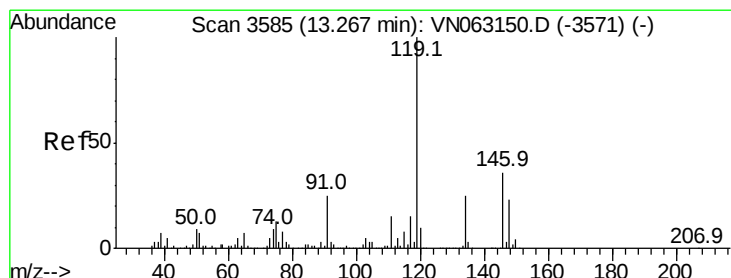
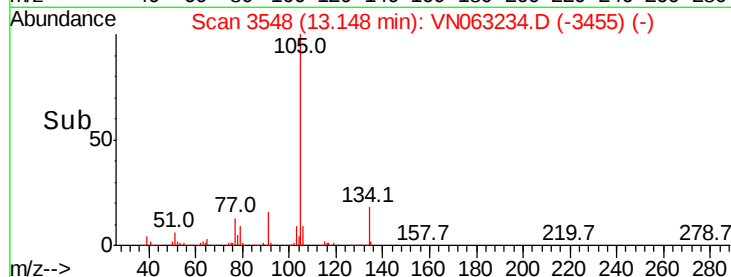
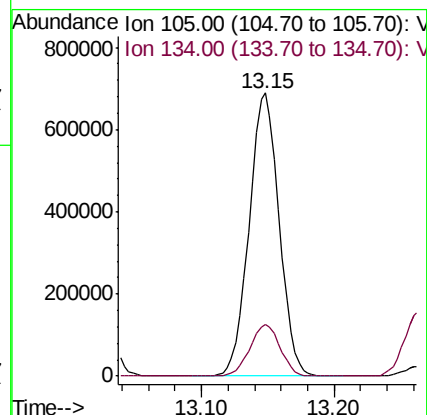
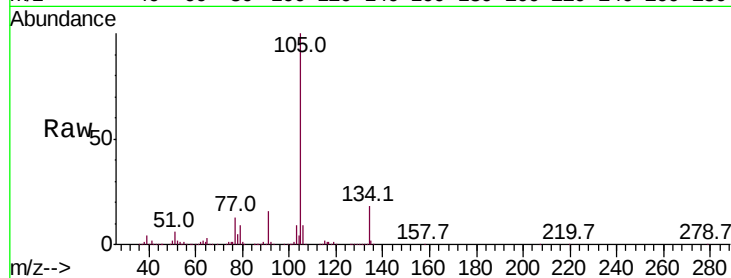
134 18.5 9.4 28.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.446 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063234.D

Acq: 4 Sep 2020 9:20

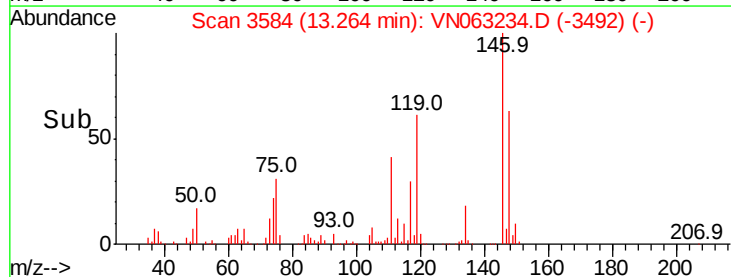
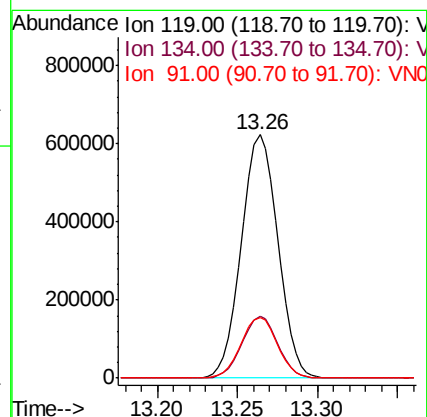
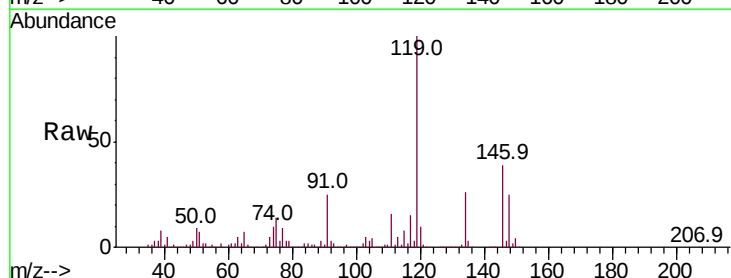
Tgt Ion:119 Resp: 966473

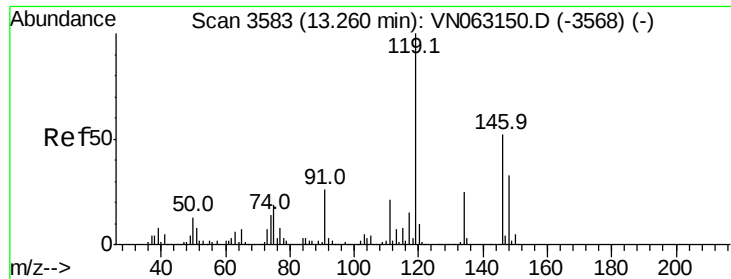
Ion Ratio Lower Upper

119 100

134 25.0 12.4 37.4

91 24.9 12.2 36.6





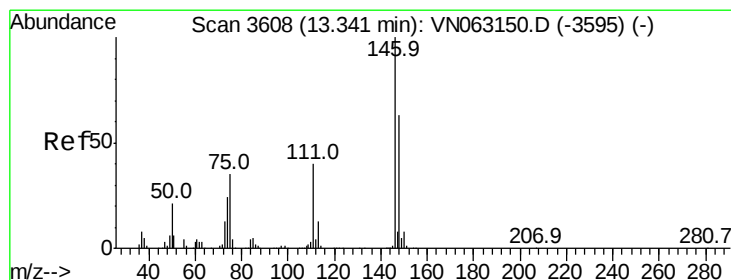
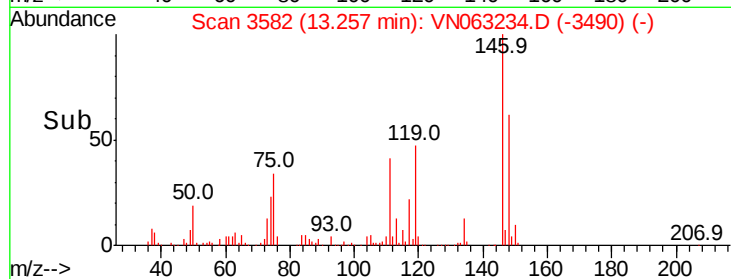
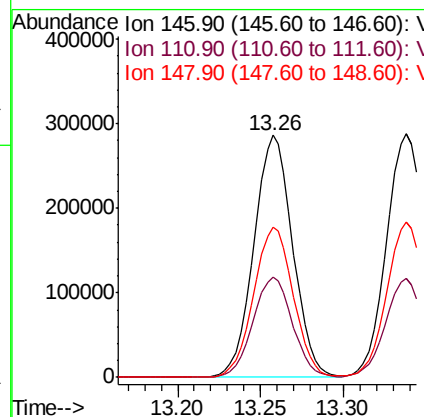
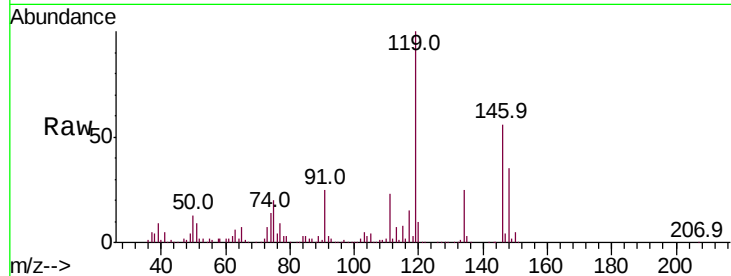
#87
 1,3-Dichlorobenzene
 Concen: 51.082 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	464624		
111	42.1	21.3	63.7	
148	63.5	31.9	95.9	

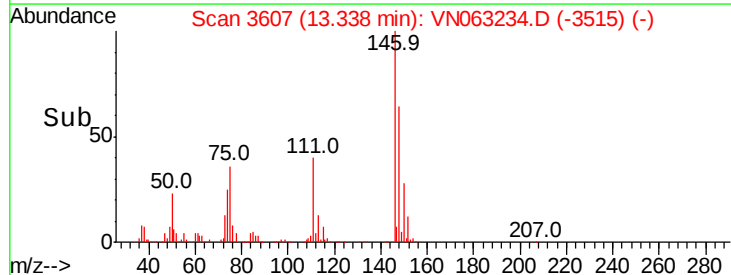
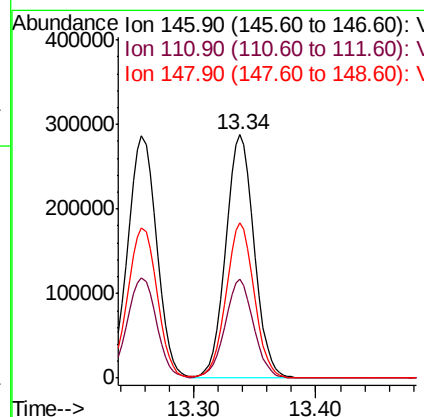
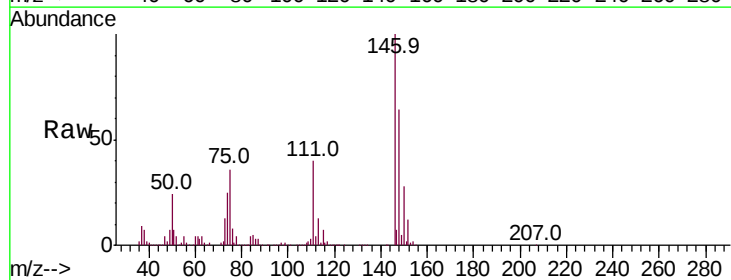
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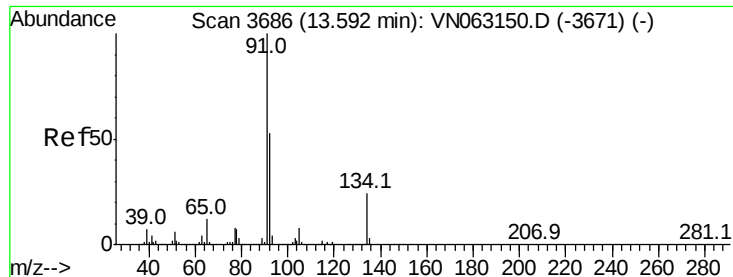
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#88
 1,4-Dichlorobenzene
 Concen: 49.954 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470478		
111	40.6	20.5	61.5	
148	63.0	31.9	95.7	





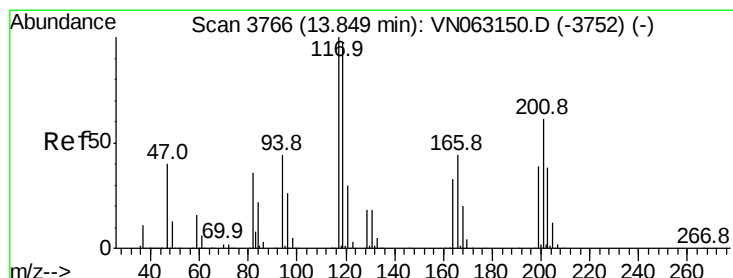
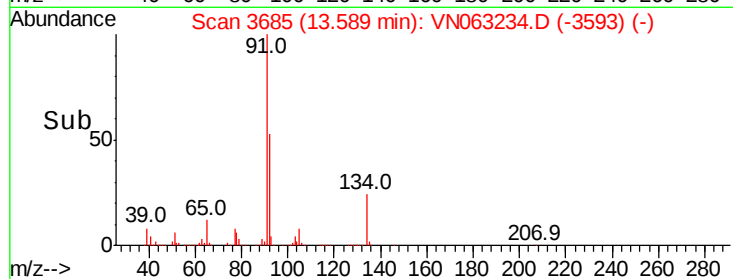
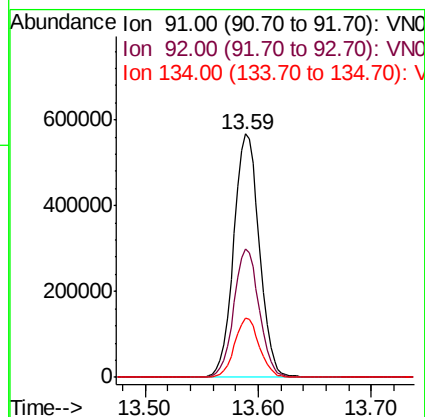
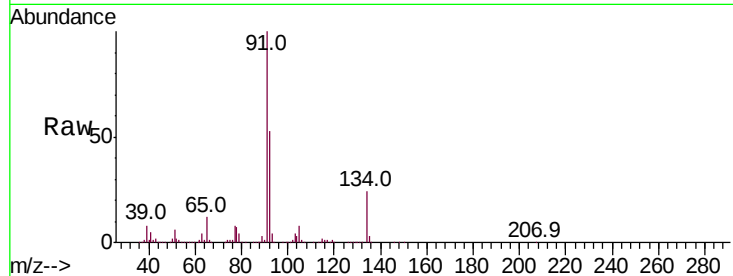
#89
n-Butylbenzene
Concen: 53.649 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	91	Resp:	896244
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.3	78.8
134	23.4	12.0	36.0

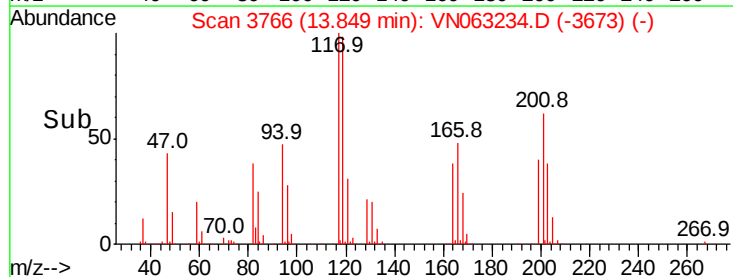
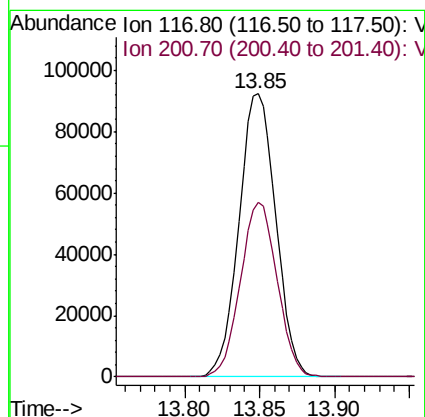
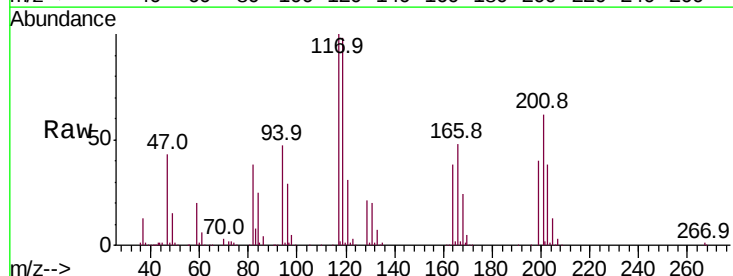
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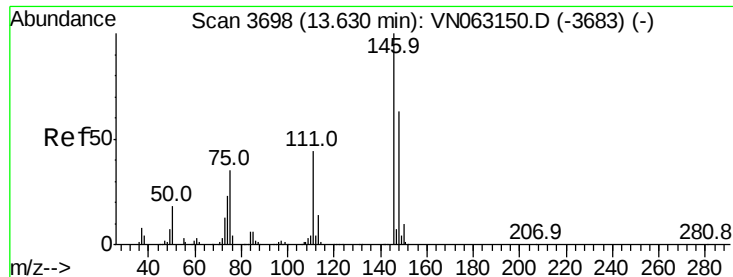
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#90
Hexachloroethane
Concen: 47.406 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion:	117	Resp:	158690
Ion Ratio	Lower	Upper	
117	100		
201	61.2	30.6	92.0





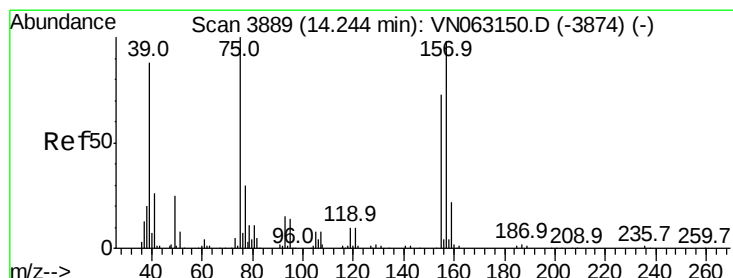
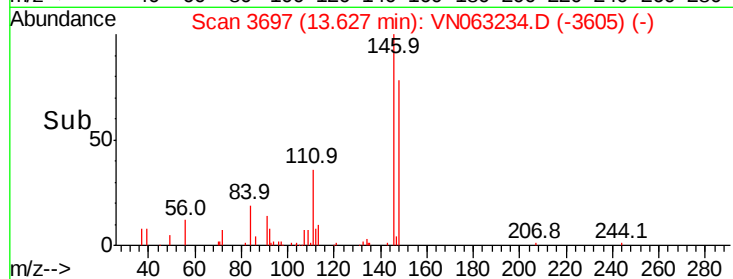
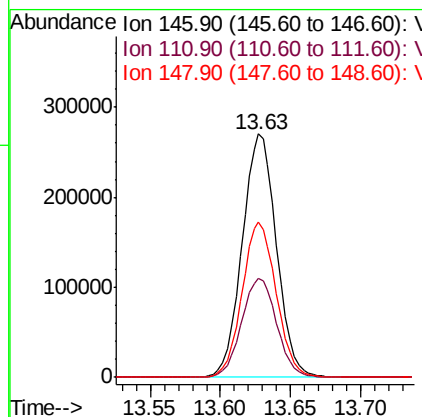
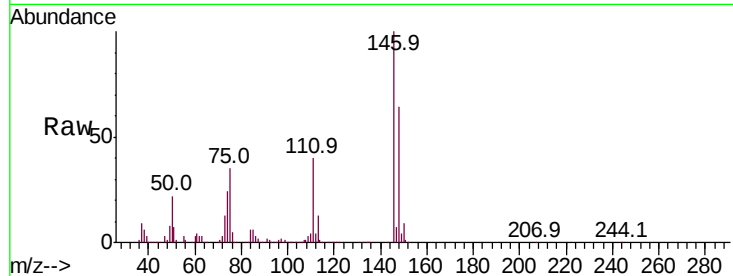
#91
1,2-Dichlorobenzene
Concen: 52.006 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.6	22.0	66.0	
148	63.6	31.6	95.0	

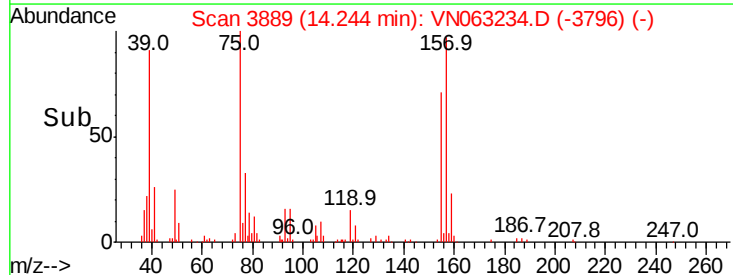
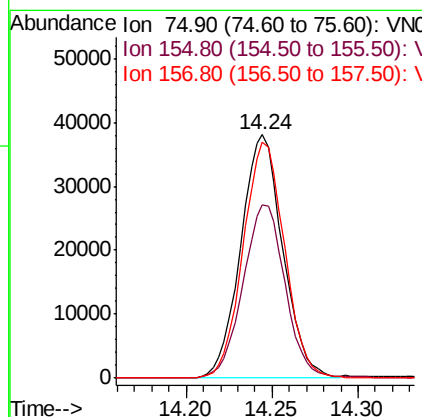
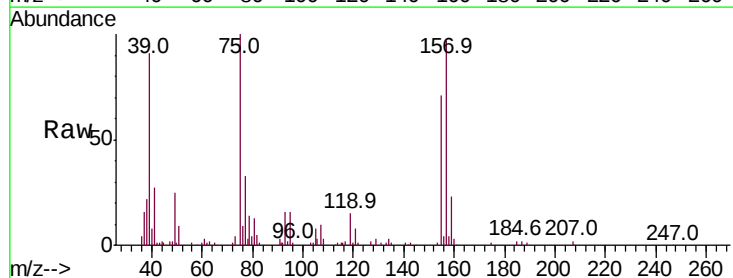
Manual Integrations
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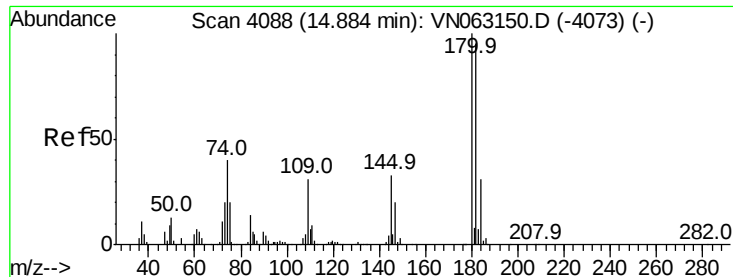
MMDadoda
9/8/2020 5:34:30 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.636 ug/l
RT: 14.24 min Scan# 3889
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	71.0	36.1	108.5	
157	95.3	48.4	145.0	





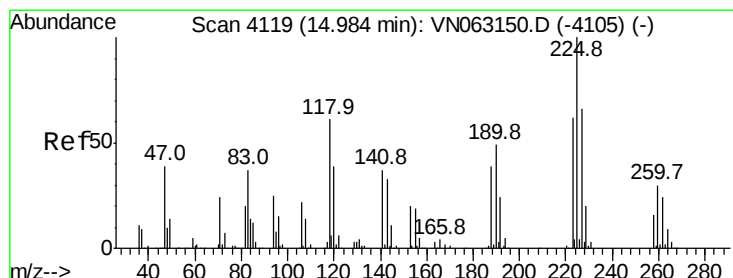
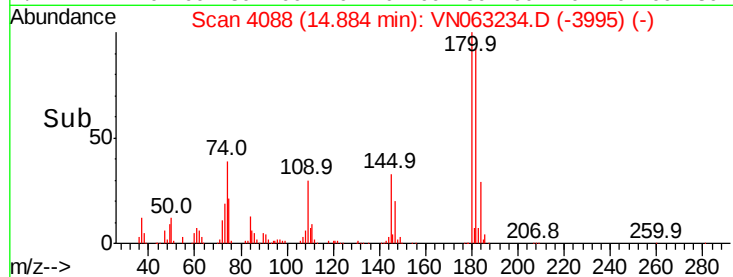
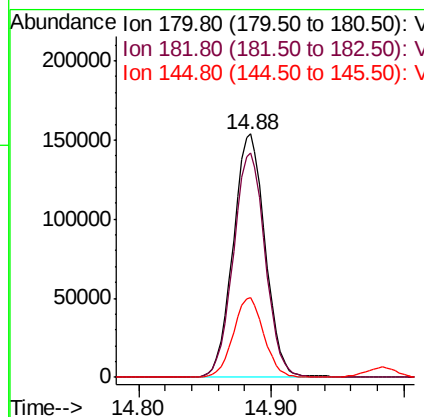
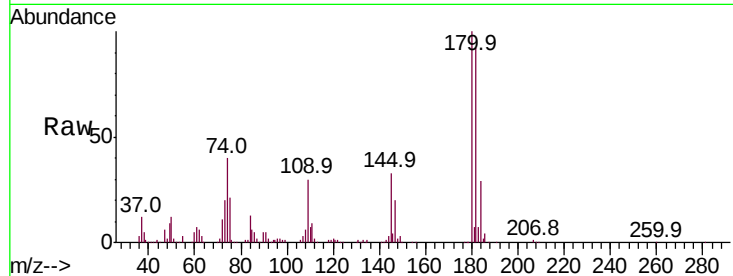
#93
 1,2,4-Trichlorobenzene
 Concen: 52.058 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	256713
Ion Ratio	Lower	Upper	
180	100		
182	92.0	47.5	142.5
145	31.5	16.6	49.8

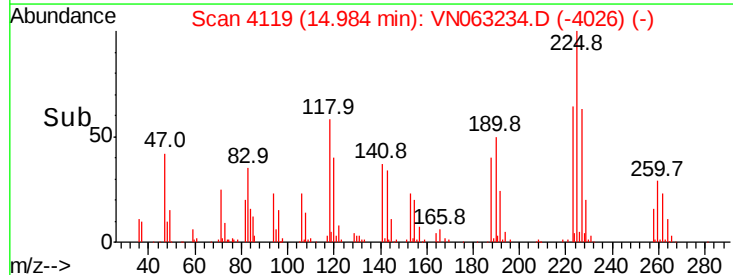
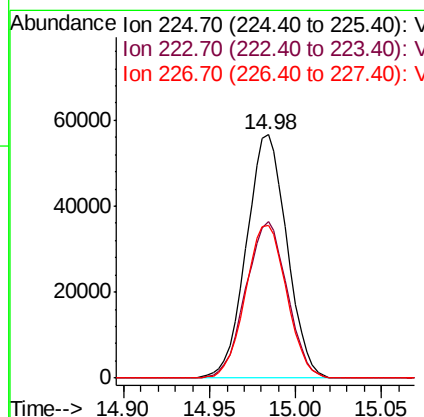
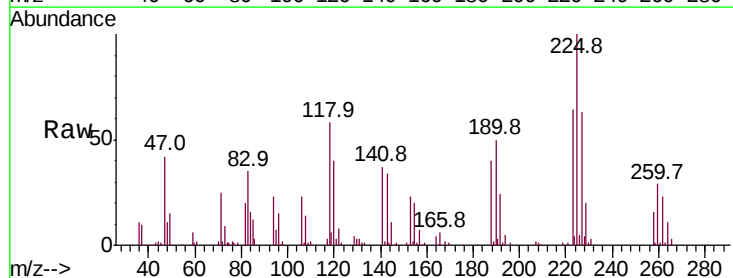
Manual Integrations
 APPROVED

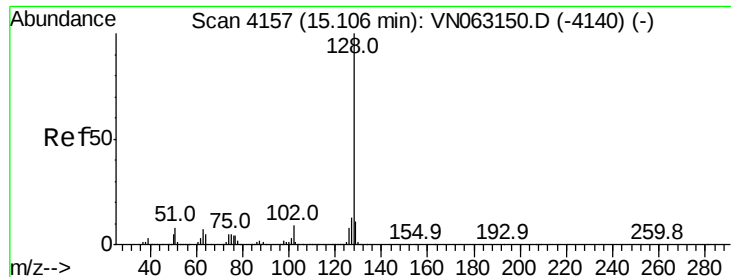
MMDadoda
 9/8/2020 5:34:30 PM



#94
 Hexachlorobutadiene
 Concen: 50.324 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063234.D
 Acq: 4 Sep 2020 9:20

Tgt Ion:	225	Resp:	92705
Ion Ratio	Lower	Upper	
225	100		
223	65.4	30.9	92.7
227	63.8	32.9	98.7





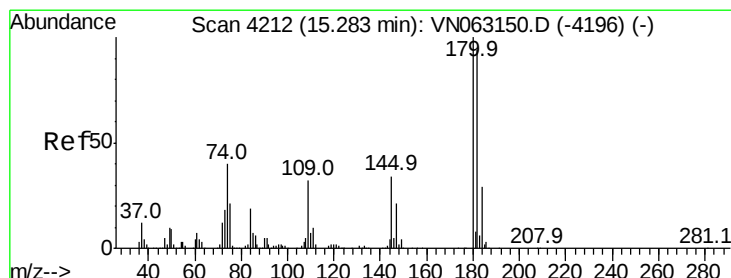
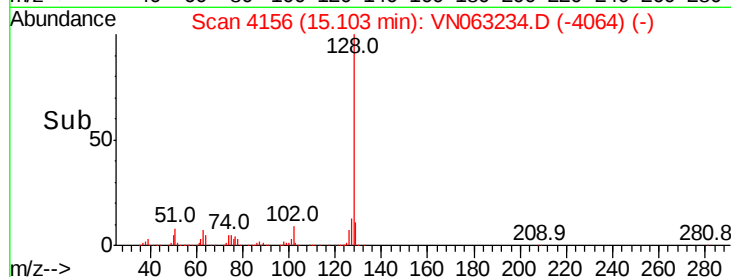
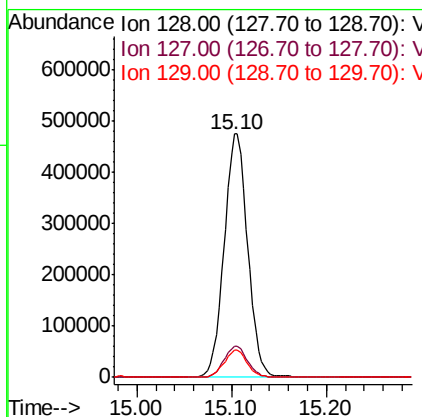
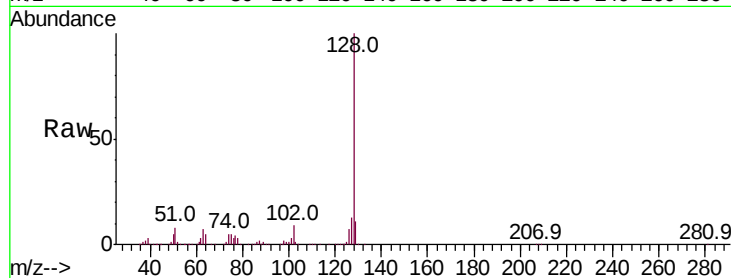
#95
Naphthalene
Concen: 49.836 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:34:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.221 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063234.D
Acq: 4 Sep 2020 9:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.5	142.5
145	33.9	17.3	52.0

