

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064081.D
 Acq On : 12 Oct 2020 16:37
 Operator : JC/MD
 Sample : VN1012WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 4:09:47 PM

Quant Time: Oct 13 01:50:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	243159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	372705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	190894	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.55	113	133805	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	10.06	98	494503	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.38	95	180512	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	38585	15.039	ug/l	97
3) Chloromethane	2.04	50	49907	16.577	ug/l	95
4) Vinyl Chloride	2.16	62	49776	16.471	ug/l	98
5) Bromomethane	2.53	94	33169	17.450	ug/l	98
6) Chloroethane	2.67	64	31860	17.643	ug/l	98
7) Trichlorofluoromethane	2.98	101	79673	16.624	ug/l	100
8) Diethyl Ether	3.37	74	29512	18.207	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44994	17.564	ug/l	95
10) Methyl Iodide	3.91	142	50361	16.932	ug/l	99
11) Tert butyl alcohol	4.73	59	53776	121.252	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	40814	16.668	ug/l	97
13) Acrolein	3.57	56	22191	81.525	ug/l	96
14) Allyl chloride	4.27	41	83381	18.330	ug/l	95
15) Acrylonitrile	4.93	53	139014	109.502	ug/l #	87
16) Acetone	3.77	43	138132	111.702	ug/l	100
17) Carbon Disulfide	4.01	76	112198	17.416	ug/l	99
18) Methyl Acetate	4.28	43	77043	23.995	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	171902	19.324	ug/l	99
20) Methylene Chloride	4.50	84	52938	18.751	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	47852	17.448	ug/l	99
22) Diisopropyl ether	5.90	45	194586	20.791	ug/l	100
23) Vinyl Acetate	5.84	43	772895	99.693	ug/l	98
24) 1,1-Dichloroethane	5.79	63	103307	19.305	ug/l	98
25) 2-Butanone	6.78	43	201368	114.857	ug/l	98
26) 2,2-Dichloropropane	6.78	77	85653	17.478	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	56465	17.901	ug/l	98
28) Bromochloromethane	7.15	49	50919	19.252	ug/l	92
29) Tetrahydrofuran	7.16	42	138100	117.445	ug/l	93
30) Chloroform	7.33	83	106621	19.109	ug/l	94
31) Cyclohexane	7.61	56	80154	17.187	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	89369	17.757	ug/l	99
36) 1,1-Dichloropropene	7.75	75	69953	17.300	ug/l	99
37) Ethyl Acetate	6.88	43	84958	21.148	ug/l	97
38) Carbon Tetrachloride	7.73	117	79370	17.505	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	63084	15.644	ug/l	96
40) Benzene	8.00	78	212305	18.382	ug/l	100
41) Methacrylonitrile	7.12	41	35245m	19.740	ug/l	
42) 1,2-Dichloroethane	8.08	62	90782	18.414	ug/l	100
43) Isopropyl Acetate	8.13	43	140553	21.211	ug/l #	91
44) Trichloroethene	8.80	130	51834	17.129	ug/l	97
45) 1,2-Dichloropropane	9.08	63	60971	19.547	ug/l	96
46) Dibromomethane	9.17	93	40726	18.927	ug/l	98
47) Bromodichloromethane	9.37	83	84249	18.998	ug/l	98
48) Methyl methacrylate	9.17	41	67663	20.668	ug/l	89
49) 1,4-Dioxane	9.17	88	20539	441.424	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	439762	113.087	ug/l	99
52) Toluene	10.12	92	134791	18.868	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	88470	18.611	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	93074	18.722	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	56232	19.628	ug/l	99
56) Ethyl methacrylate	10.40	69	78603	19.356	ug/l	94
57) 1,3-Dichloropropane	10.68	76	96758	19.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	219159	100.893	ug/l	99
59) 2-Hexanone	10.72	43	314974	109.034	ug/l	99
60) Dibromochloromethane	10.87	129	62425	18.710	ug/l	98
61) 1,2-Dibromoethane	10.98	107	56634	19.325	ug/l	100
64) Tetrachloroethene	10.60	164	47357	16.423	ug/l	99
65) Chlorobenzene	11.41	112	138385	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	56210	19.178	ug/l	98
67) Ethyl Benzene	11.48	91	244833	17.599	ug/l	99
68) m/p-Xylenes	11.60	106	181412	34.989	ug/l	99
69) o-Xylene	11.92	106	87421	18.039	ug/l	99
70) Styrene	11.94	104	145965	17.744	ug/l	98
71) Bromoform	12.10	173	41187	18.373	ug/l #	99
73) Isopropylbenzene	12.23	105	230347	18.962	ug/l	99
74) N-amyl acetate	12.05	43	110664	20.947	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81699	21.993	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	78163m	21.290	ug/l	
77) Bromobenzene	12.50	156	57555	19.309	ug/l	93
78) n-propylbenzene	12.57	91	265870	18.806	ug/l	99
79) 2-Chlorotoluene	12.65	91	167557	19.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	190894	18.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27527	21.595	ug/l	92
82) 4-Chlorotoluene	12.75	91	173687	19.242	ug/l	99
83) tert-Butylbenzene	12.97	119	152406	18.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	192515	18.920	ug/l	98
85) sec-Butylbenzene	13.15	105	202982	18.538	ug/l	98
86) p-Isopropyltoluene	13.26	119	177360	18.310	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101652	18.850	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	105610	18.809	ug/l	96
89) n-Butylbenzene	13.59	91	149279	16.698	ug/l	98
90) Hexachloroethane	13.85	117	35023	18.659	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	102515	19.193	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17515	20.105	ug/l	97

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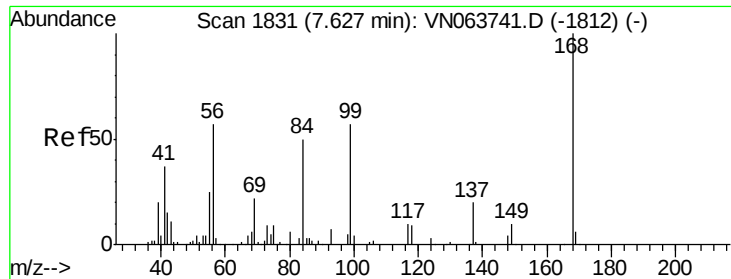
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42201	15.762	ug/l	99
94) Hexachlorobutadiene	14.98	225	28629	19.809	ug/l	100
95) Naphthalene	15.10	128	126086	15.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	43267	16.446	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064081.D

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Instrument :

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ClientSampleId :

VN1012WBSD01

Tot Ion:168 Resp: 243159

Ion Ratio Lower Upper

168 100

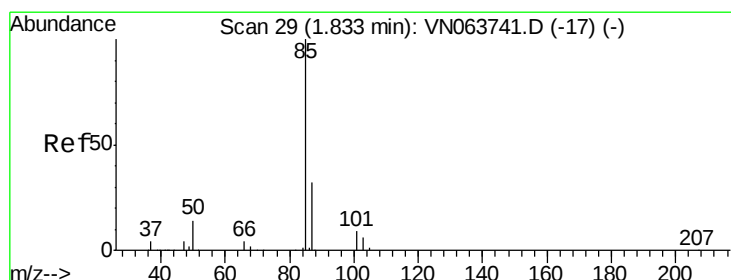
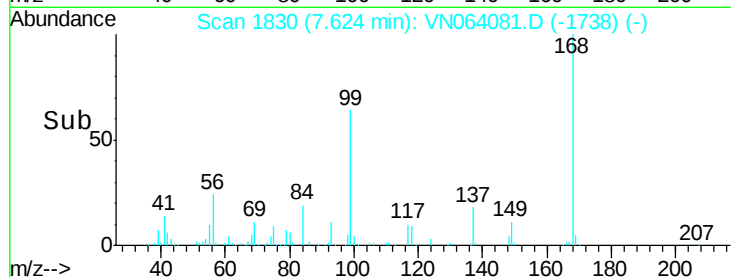
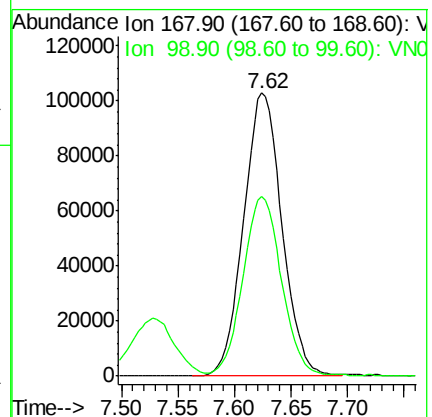
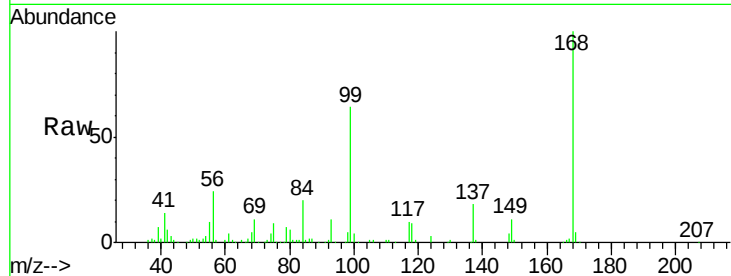
99 63.0 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.039 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064081.D

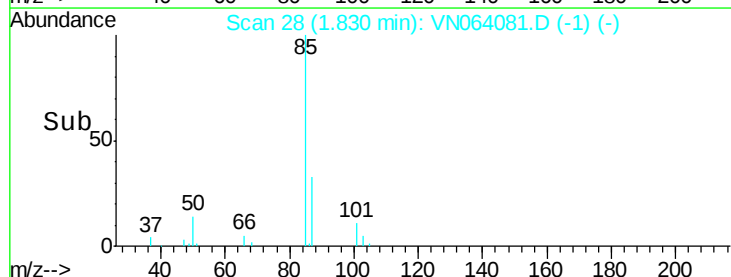
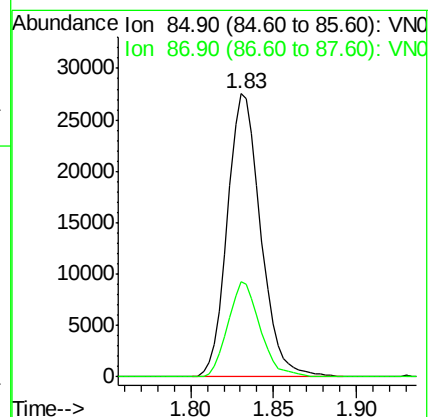
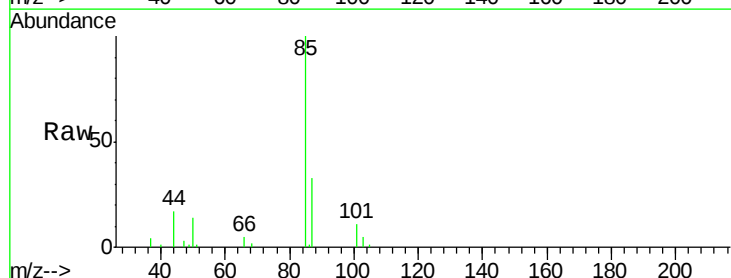
Acq: 12 Oct 2020 16:37

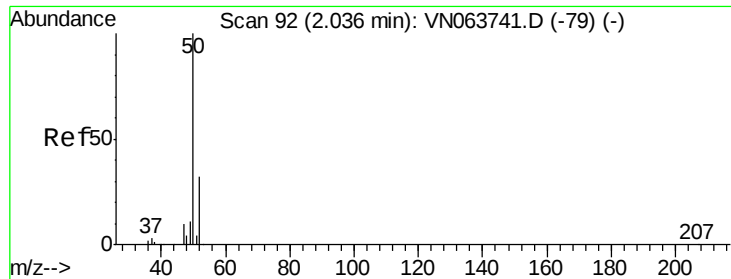
Tgt Ion: 85 Resp: 38585

Ion Ratio Lower Upper

85 100

87 33.5 16.0 48.0





#3

Chloromethane

Concen: 16.577 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 50 Resp: 49907

Ion Ratio Lower Upper

50 100

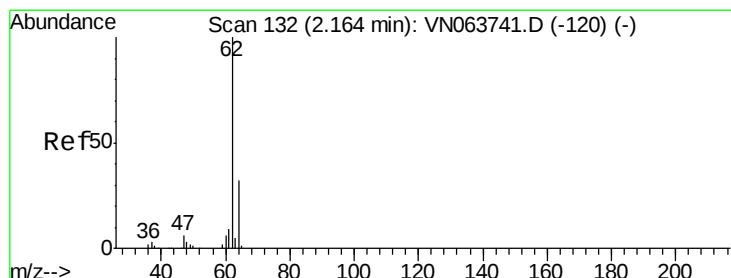
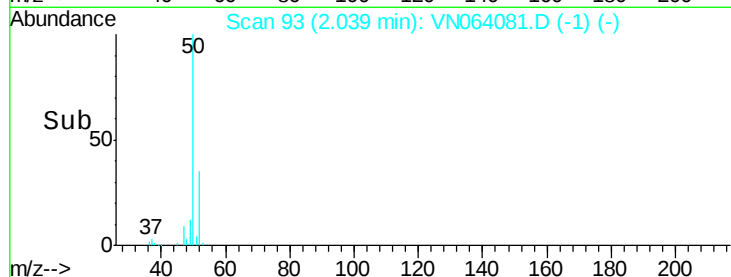
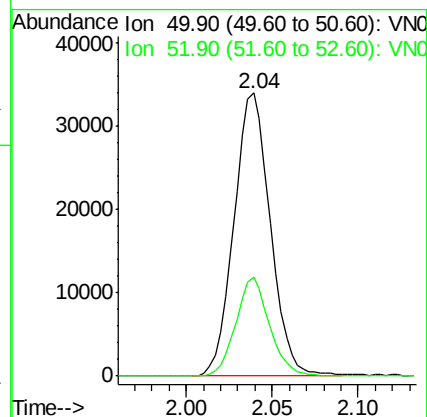
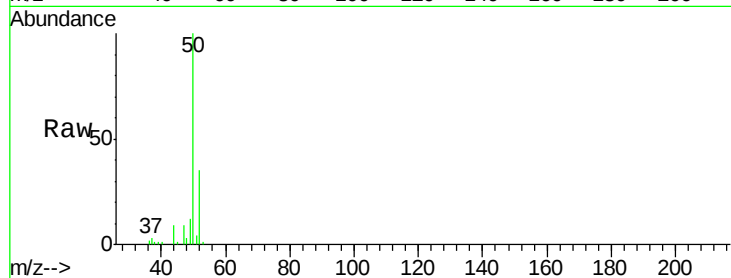
52 34.9 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.471 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064081.D

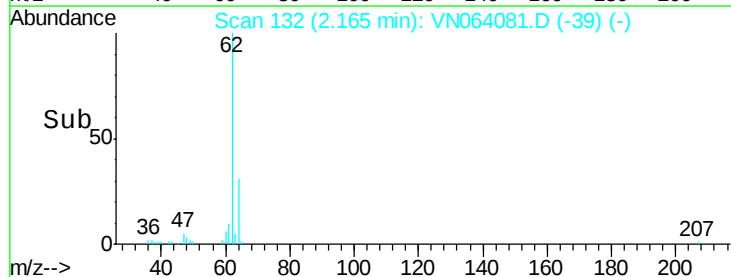
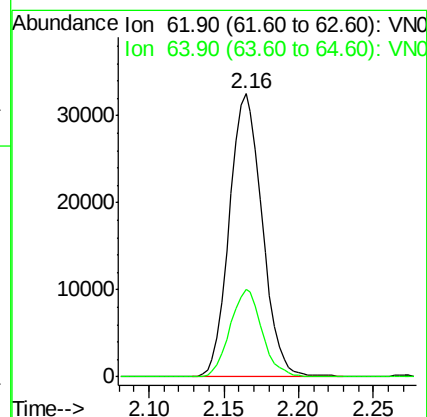
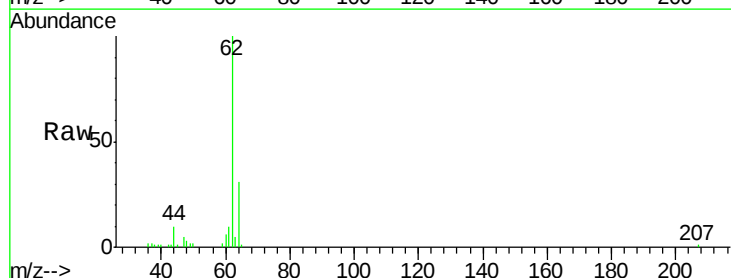
Acq: 12 Oct 2020 16:37

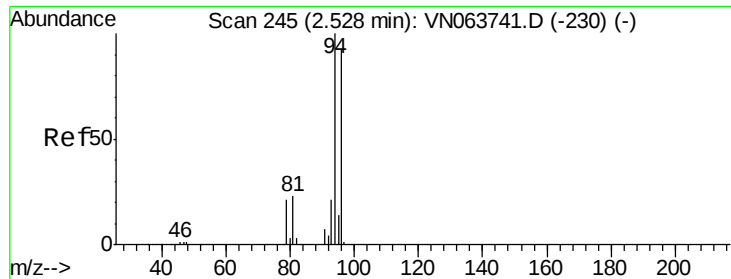
Tgt Ion: 62 Resp: 49776

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





#5

Bromomethane

Concen: 17.450 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

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ClientSampleId :

VN1012WBSD01

Tot Ion: 94 Resp: 33169

Ion Ratio Lower Upper

94 100

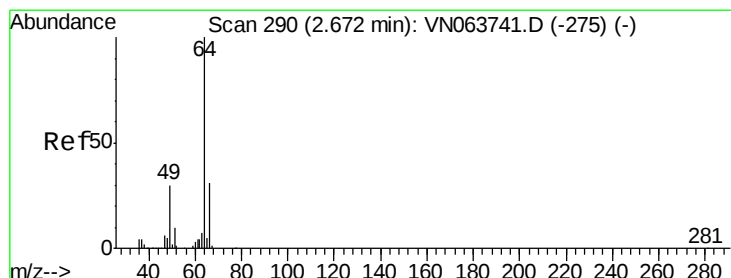
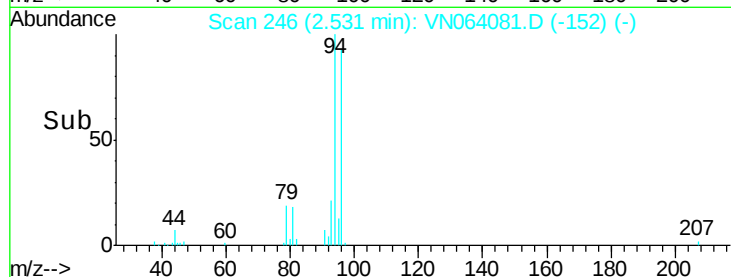
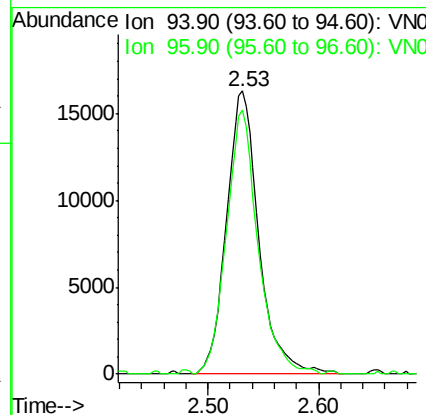
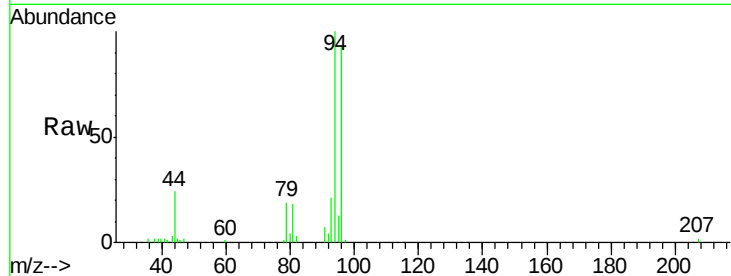
96 93.3 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 17.643 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064081.D

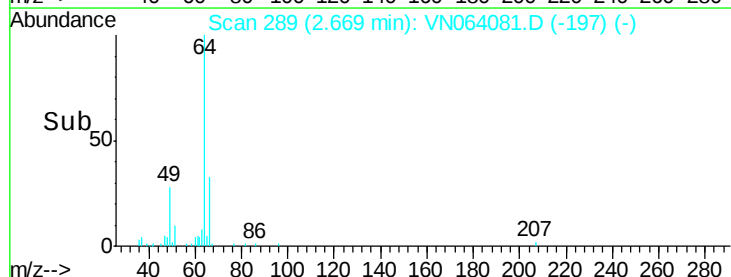
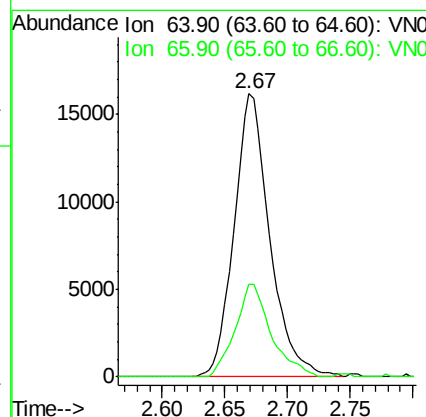
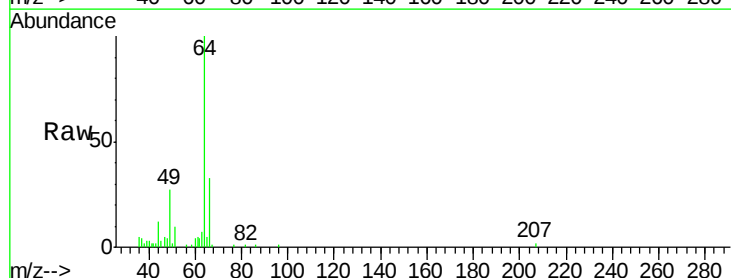
Acq: 12 Oct 2020 16:37

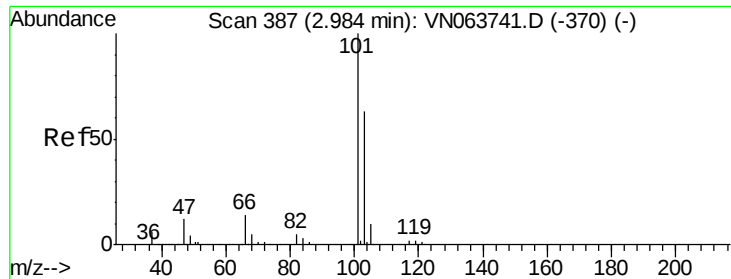
Tgt Ion: 64 Resp: 31860

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7





#7

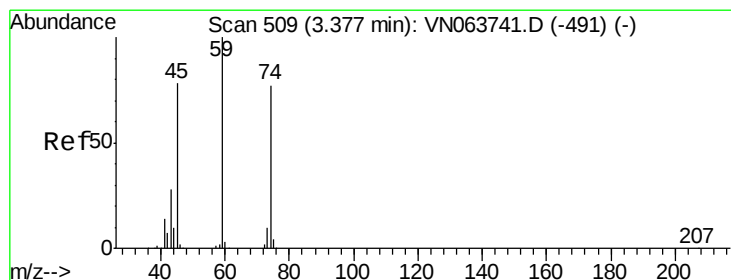
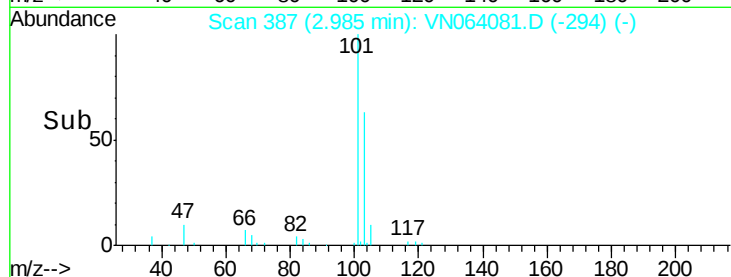
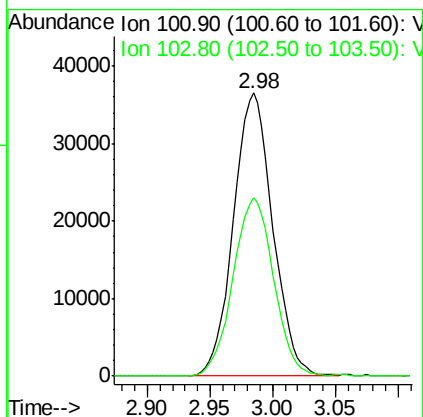
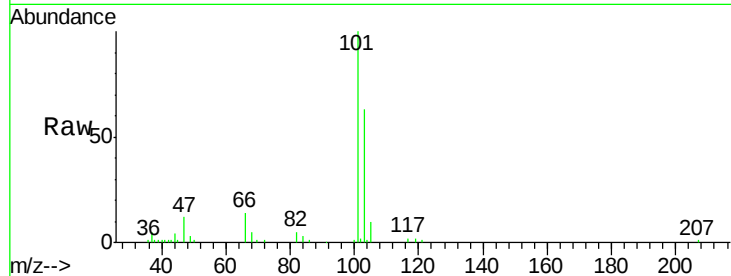
Trichlorofluoromethane
 Concen: 16.624 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064081.D
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 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.7	76.1

Manual Integrations
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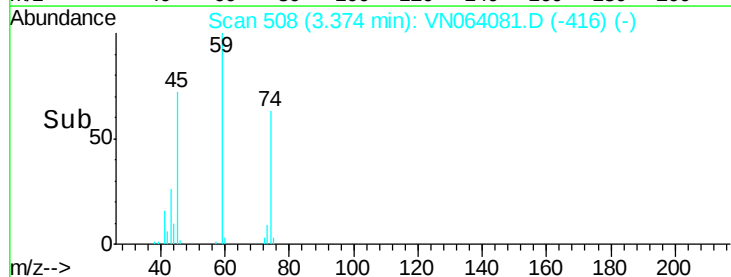
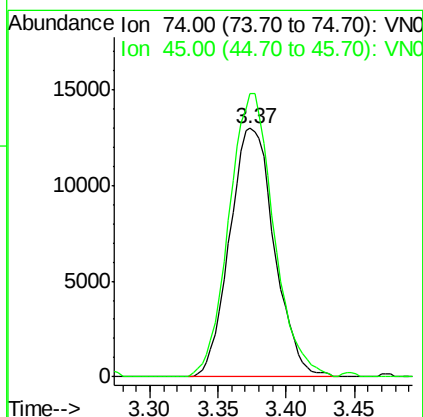
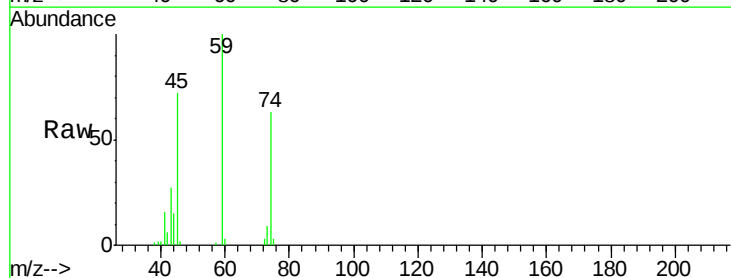
MMDadoda
 10/13/2020 4:09:47 PM

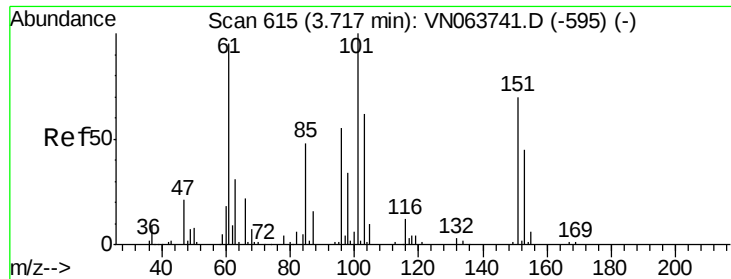


#8

Diethyl Ether
 Concen: 18.207 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.5	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.564 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

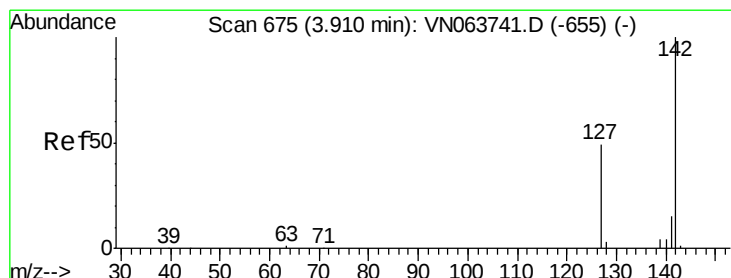
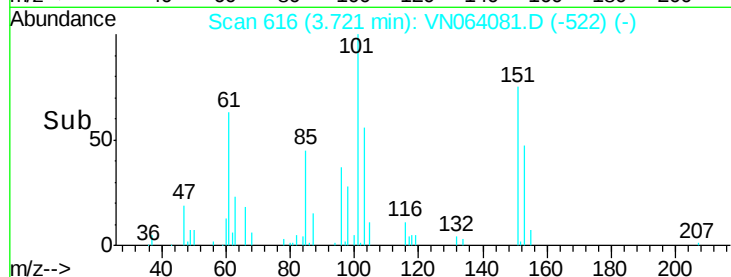
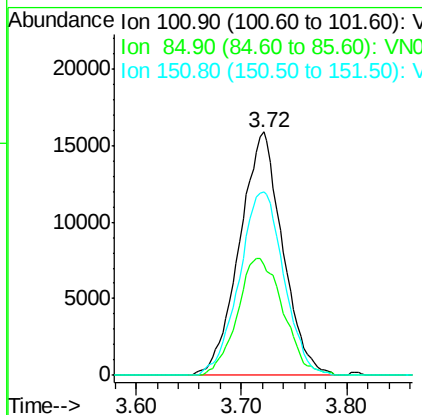
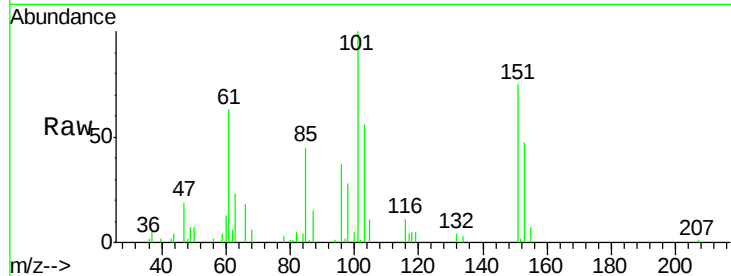
ClientSampleId :

VN1012WBSD01

Tot Ion:	101	Resp:	44994
Ion Ratio	Lower	Upper	
101	100		
85	51.3	38.6	58.0
151	78.1	58.7	88.1

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#10

Methyl Iodide

Concen: 16.932 ug/l

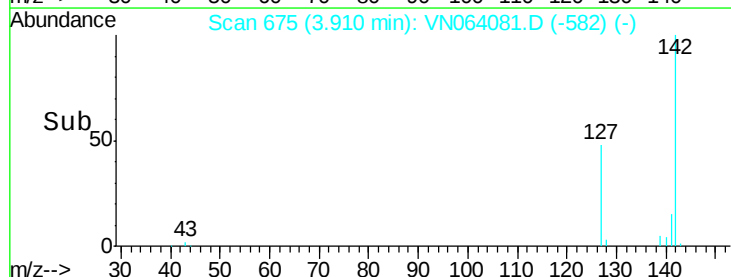
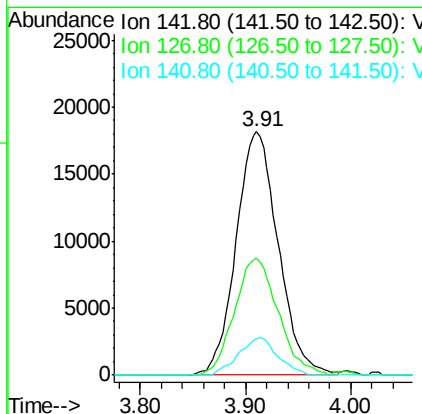
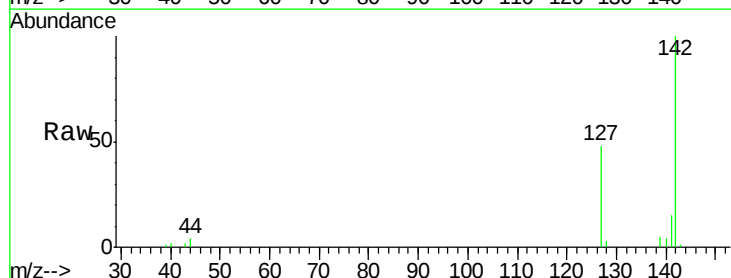
RT: 3.91 min Scan# 675

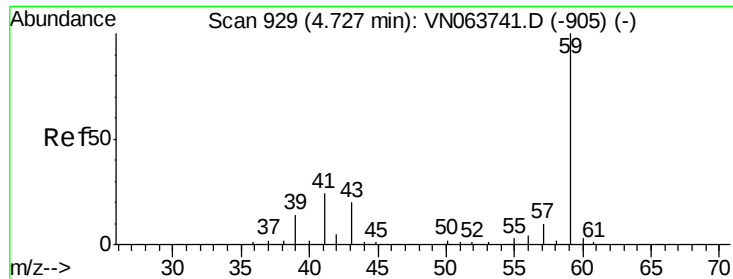
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	142	Resp:	50361
Ion Ratio	Lower	Upper	
142	100		
127	49.7	40.5	60.7
141	14.2	11.7	17.5





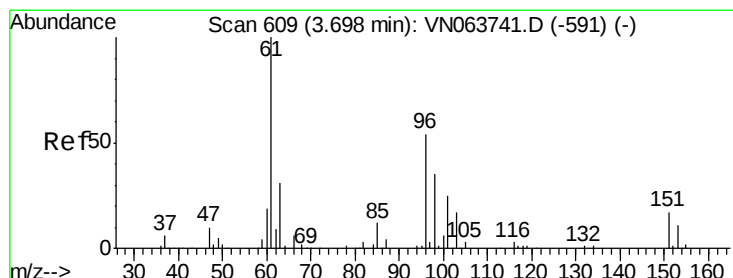
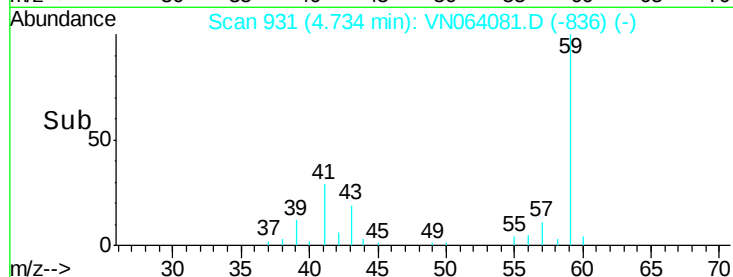
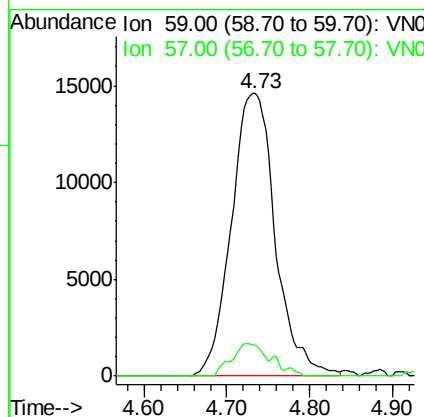
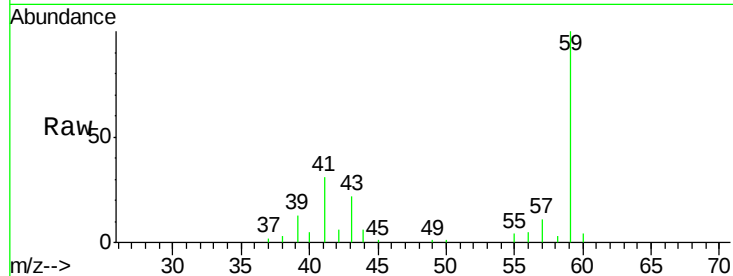
#11
Tert butyl alcohol
Concen: 121.252 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 59 Resp: 53776
Ion Ratio Lower Upper
59 100
57 8.1 8.7 13.1#

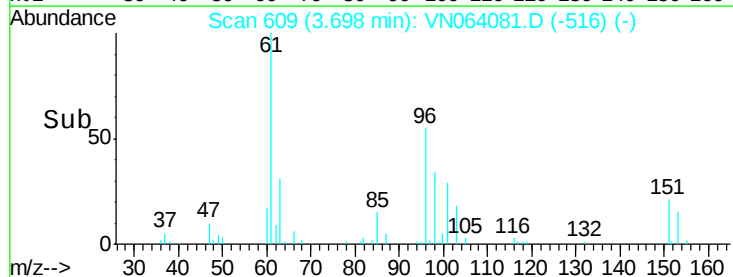
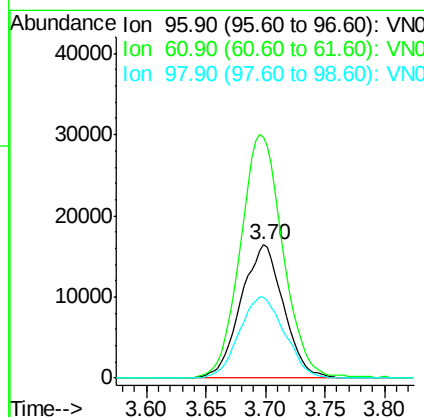
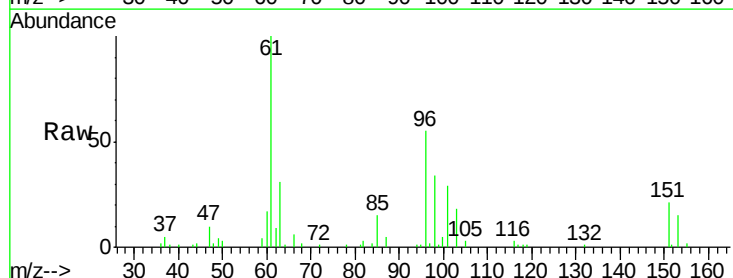
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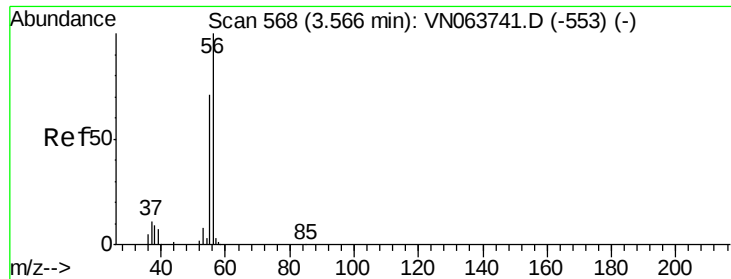
MMDadoda
10/13/2020 4:09:47 PM



#12
1,1-Dichloroethene
Concen: 16.668 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 96 Resp: 40814
Ion Ratio Lower Upper
96 100
61 181.0 147.7 221.5
98 61.3 51.9 77.9





#13

Acrolein

Concen: 81.525 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 56 Resp: 22191

Ion Ratio Lower Upper

56 100

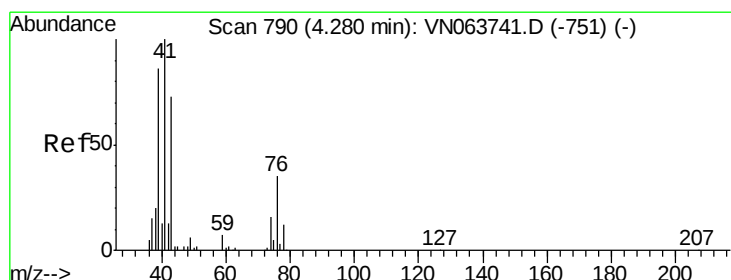
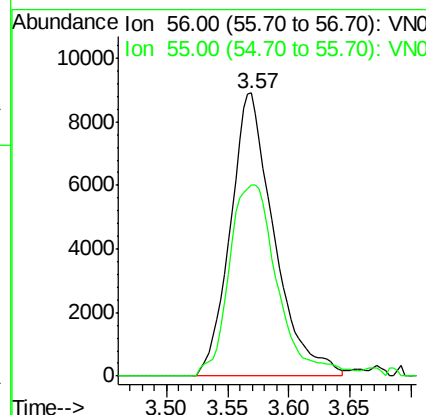
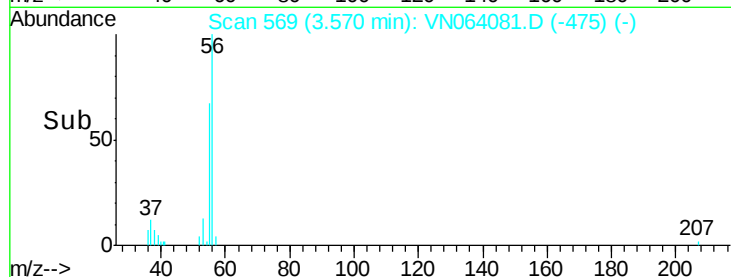
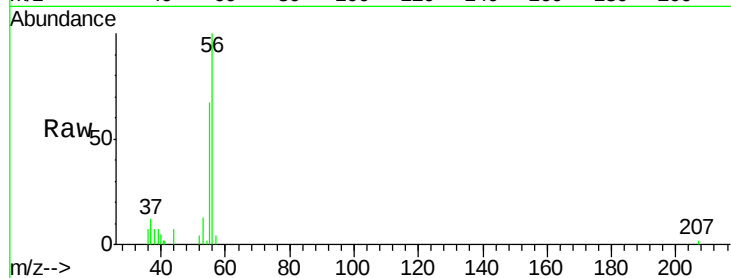
55 74.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 18.330 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

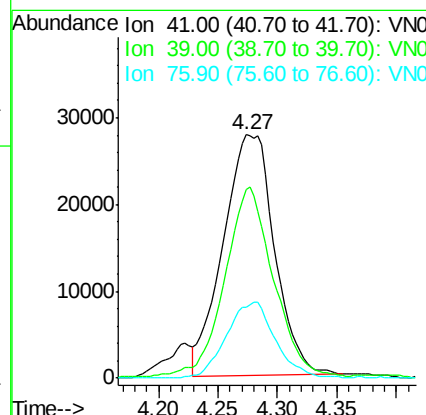
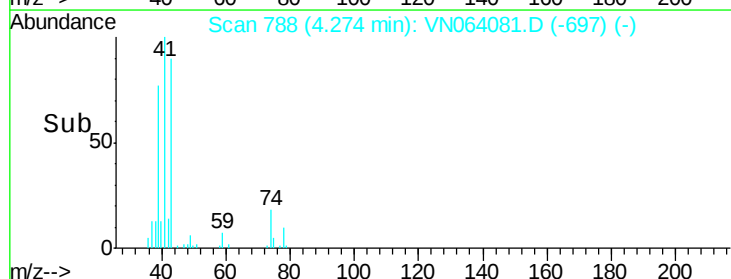
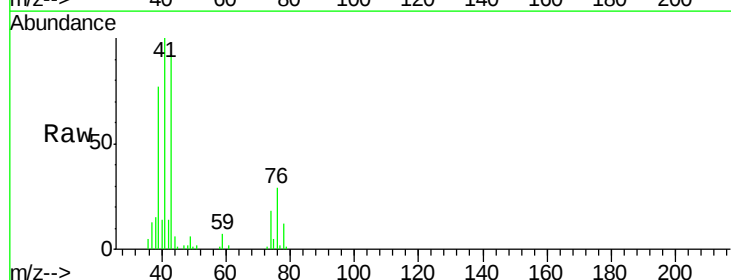
Tgt Ion: 41 Resp: 83381

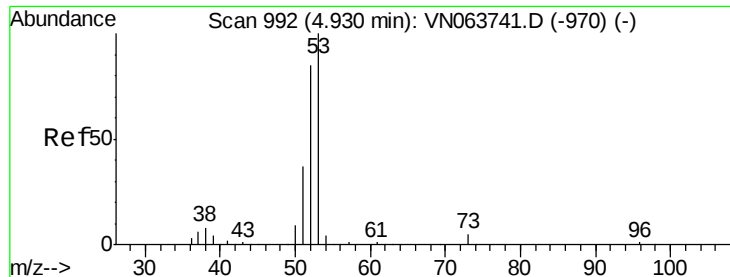
Ion Ratio Lower Upper

41 100

39 76.3 64.5 96.7

76 29.8 25.9 38.9





#15

Acrylonitrile

Concen: 109.502 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

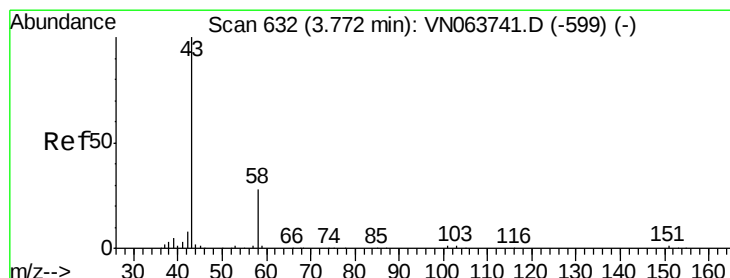
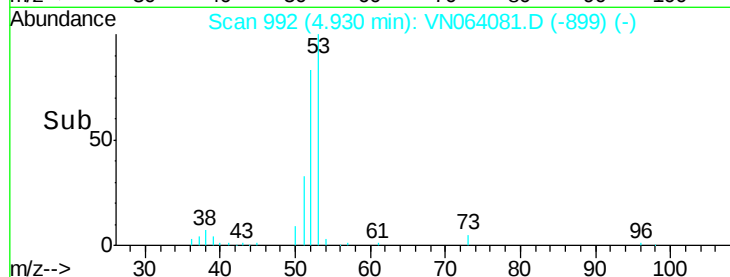
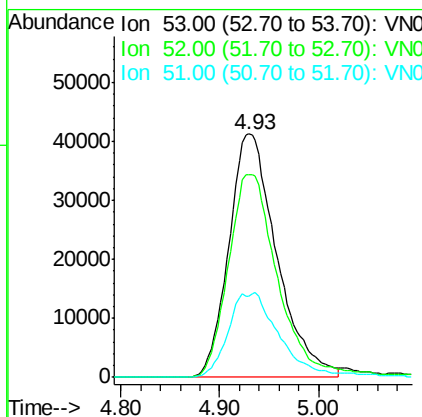
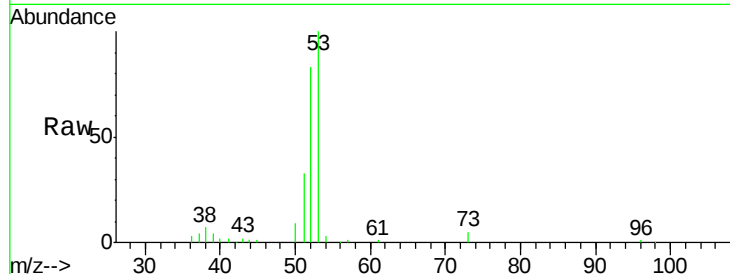
ClientSampleId :

VN1012WBSD01

Tot Ion:	53	Resp:	139014
Ion Ratio		Lower	Upper
53	100		
52	85.4	66.5	99.7
51	15.8	29.9	44.9#

Manual Integrations
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#16

Acetone

Concen: 111.702 ug/l

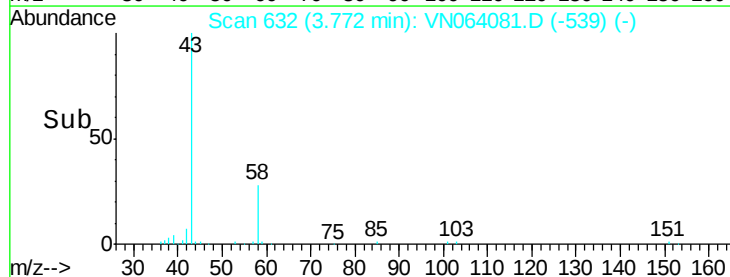
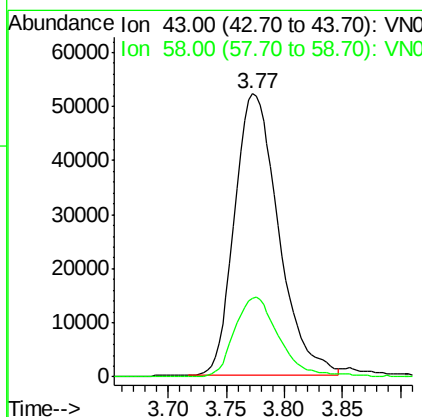
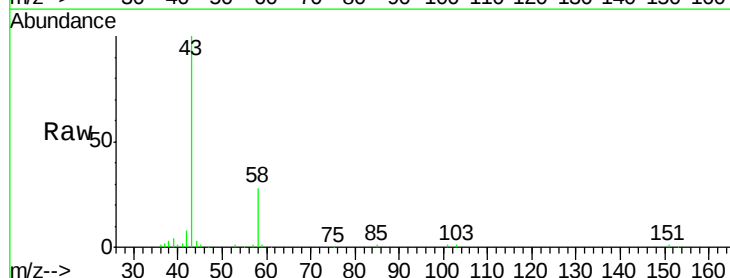
RT: 3.77 min Scan# 632

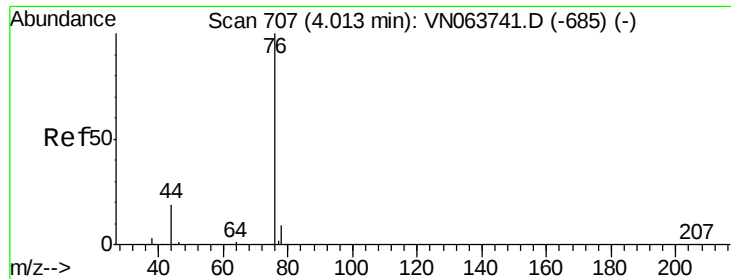
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	43	Resp:	138132
Ion Ratio		Lower	Upper
43	100		
58	28.0	22.3	33.5





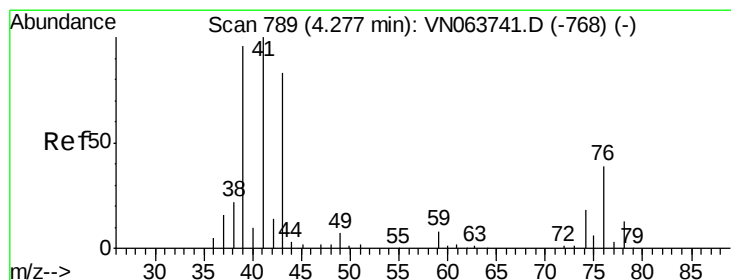
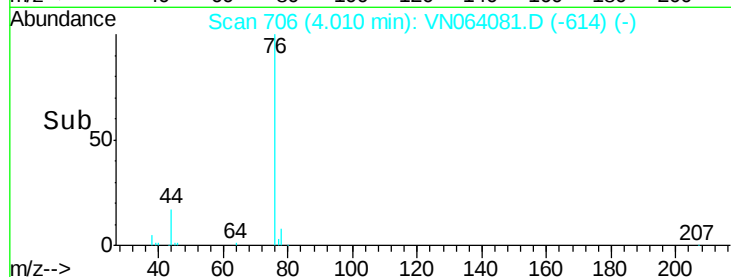
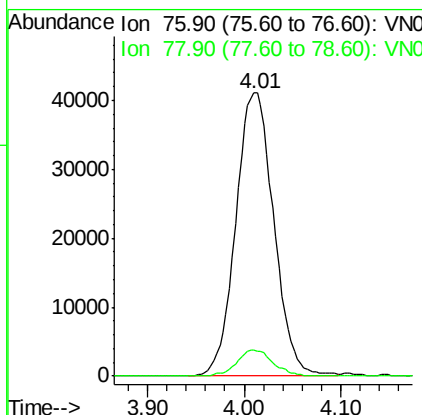
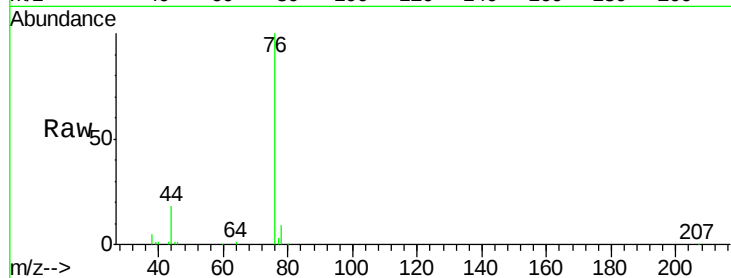
#17
Carbon Disulfide
Concen: 17.416 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

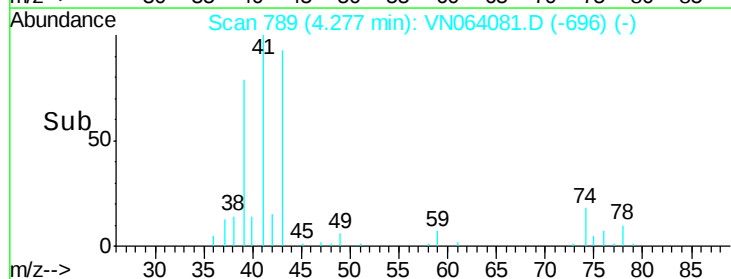
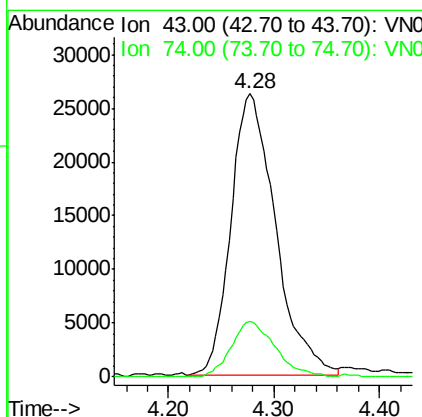
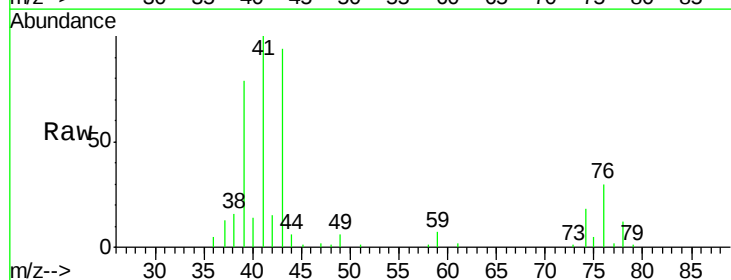
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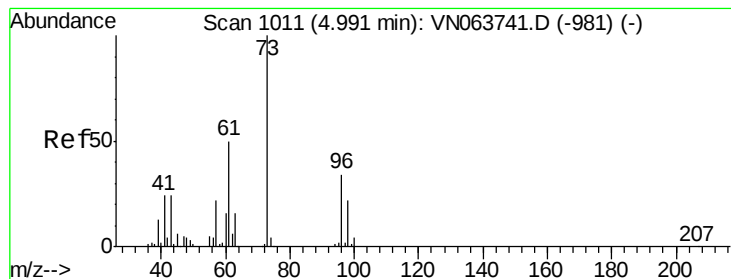
MMDadoda
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#18
Methyl Acetate
Concen: 23.995 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	17.4	26.2





#19

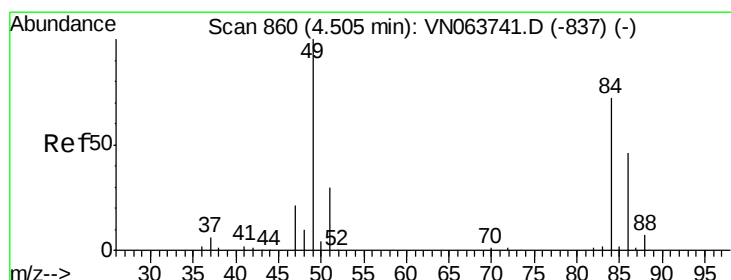
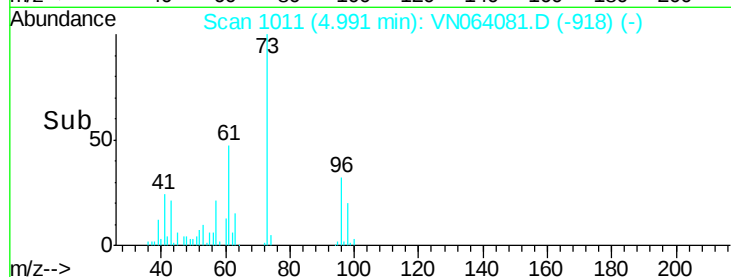
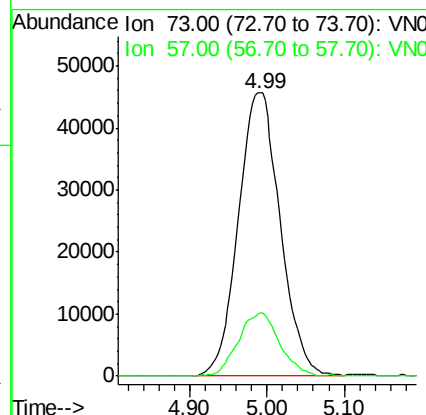
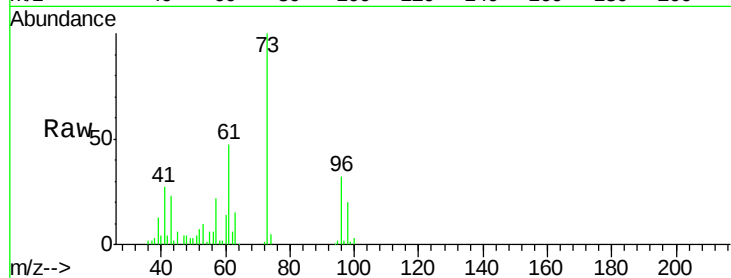
Methyl tert-butyl Ether
 Concen: 19.324 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
73	100			
57	22.4	17.6	26.4	

Manual Integrations
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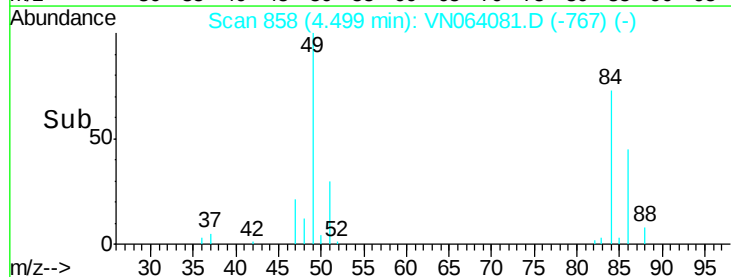
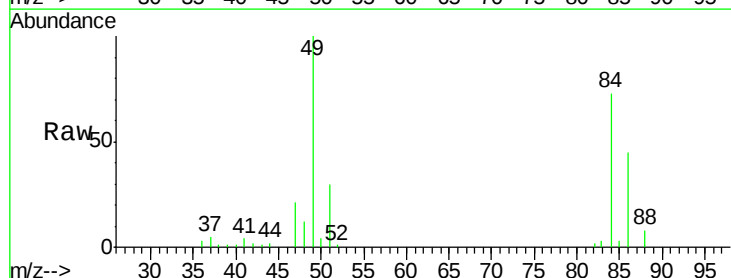
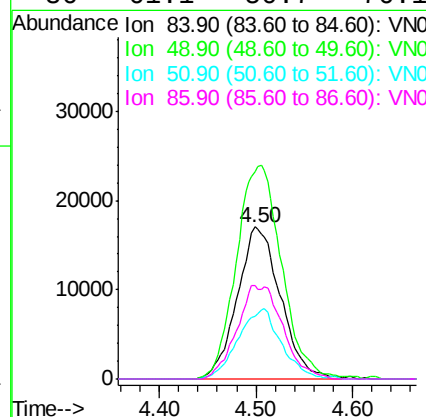
MMDadoda
 10/13/2020 4:09:47 PM

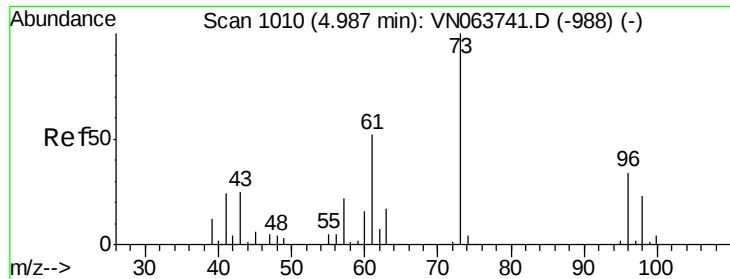


#20

Methylene Chloride
 Concen: 18.751 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
84	100			
49	136.6	110.4	165.6	
51	41.6	33.3	49.9	
86	61.1	50.7	76.1	





#21

trans-1,2-Dichloroethene

Concen: 17.448 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 96 Resp: 47852

Ion Ratio Lower Upper

96 100

61 150.5 120.2 180.2

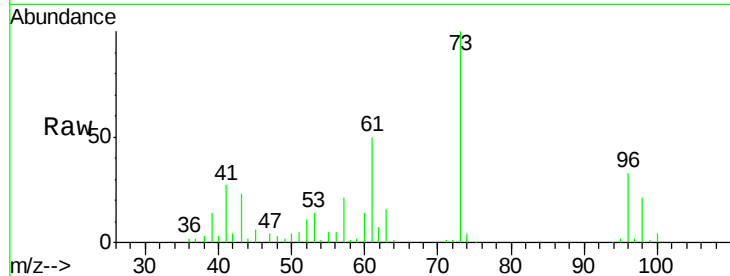
98 63.1 52.6 79.0

Manual Integrations

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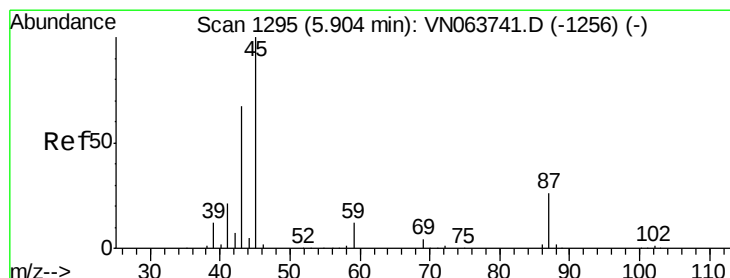
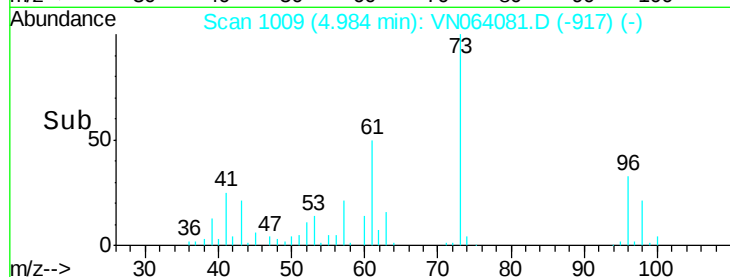
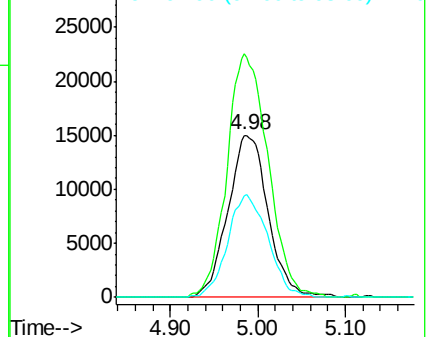


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.791 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion: 45 Resp: 194586

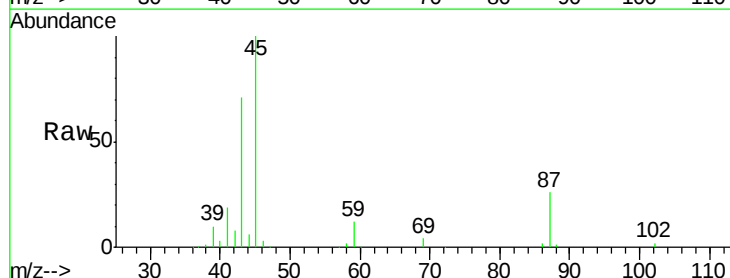
Ion Ratio Lower Upper

45 100

43 67.4 53.7 80.5

87 26.5 21.1 31.7

59 11.2 9.2 13.8



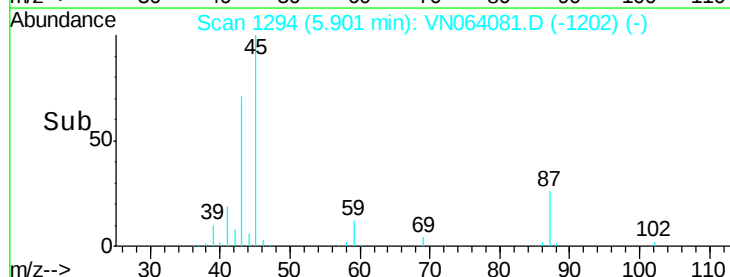
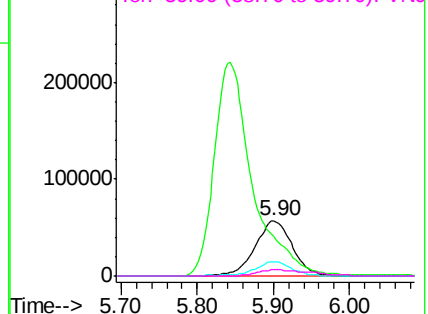
Abundance

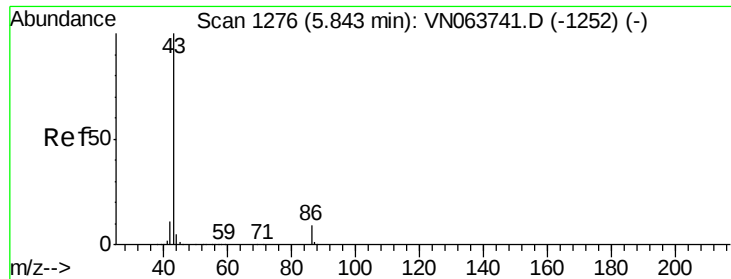
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 99.693 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 43 Resp: 772895

Ion Ratio Lower Upper

43 100

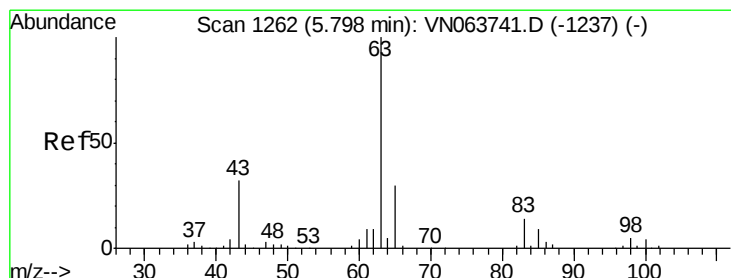
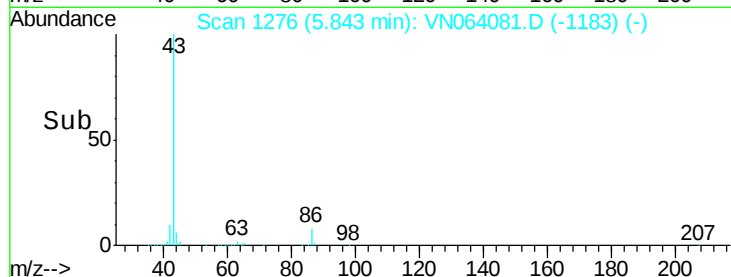
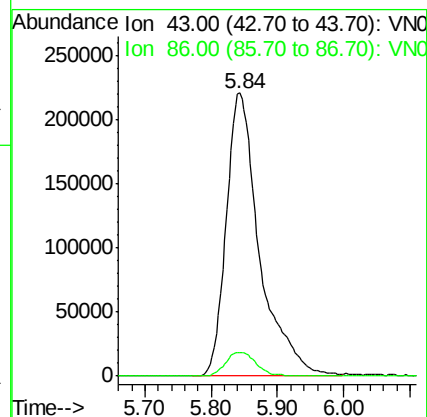
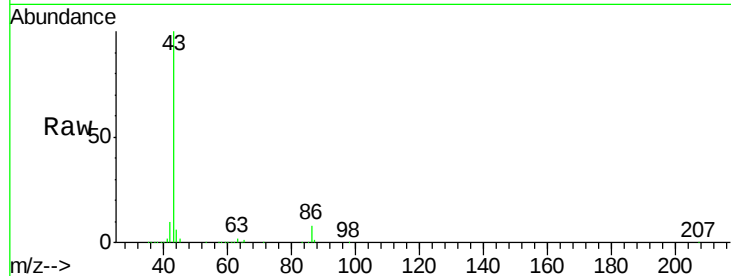
86 8.4 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.305 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

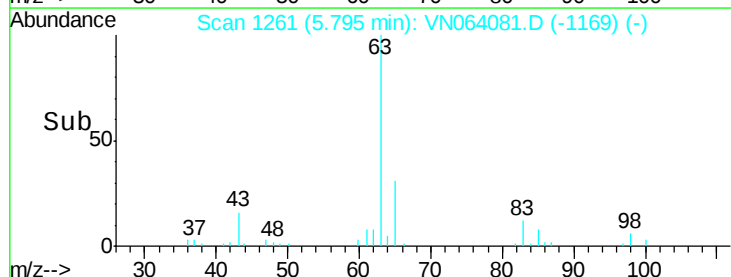
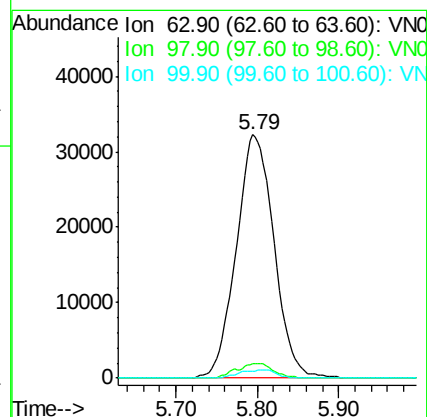
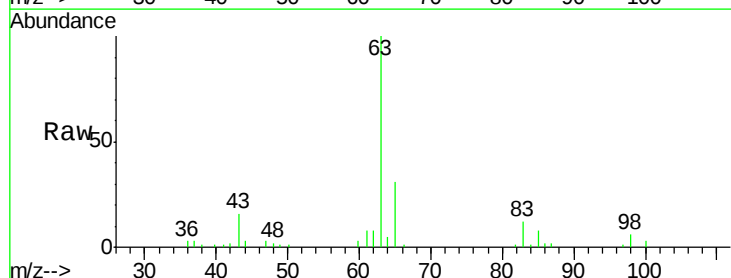
Tgt Ion: 63 Resp: 103307

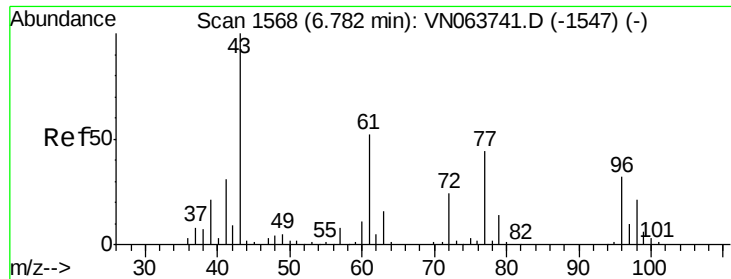
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 2.7 1.9 5.7





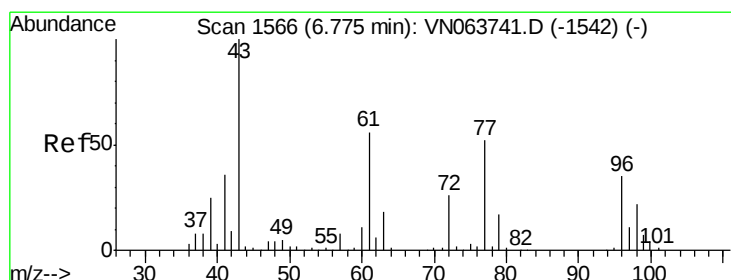
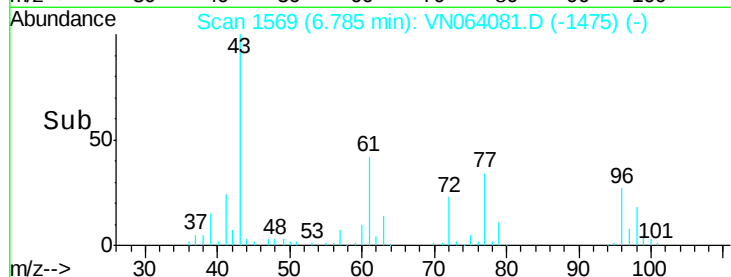
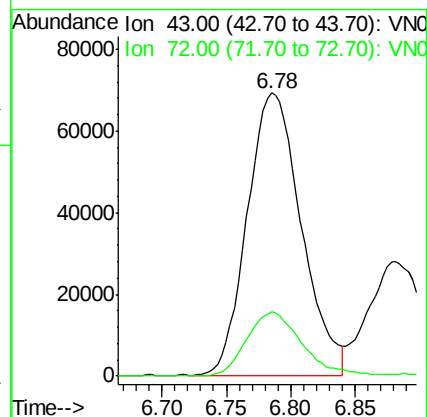
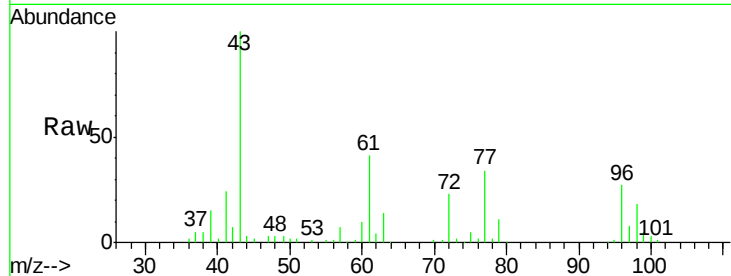
#25
2-Butanone
Concen: 114.857 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 43 Resp: 201368
Ion Ratio Lower Upper
43 100
72 22.9 19.3 28.9

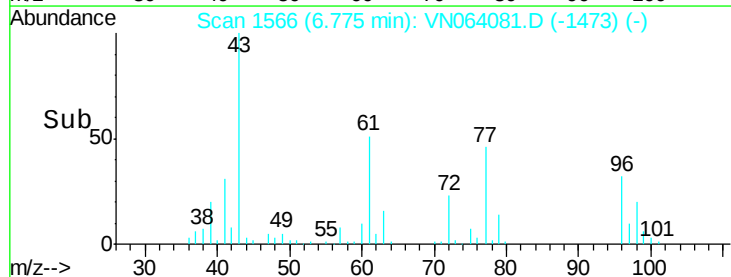
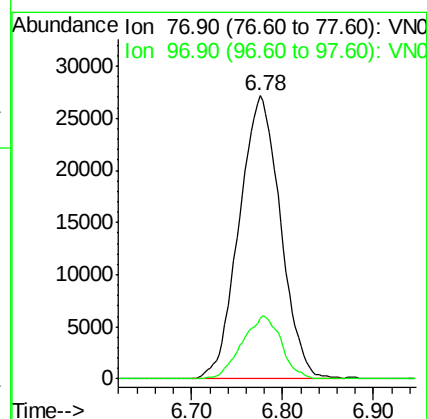
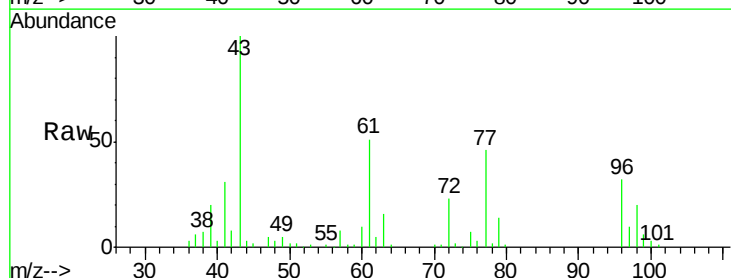
Manual Integrations
APPROVED

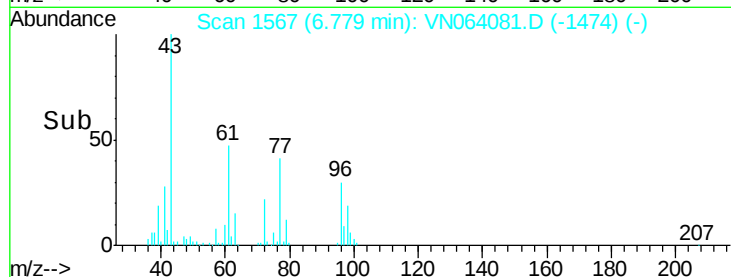
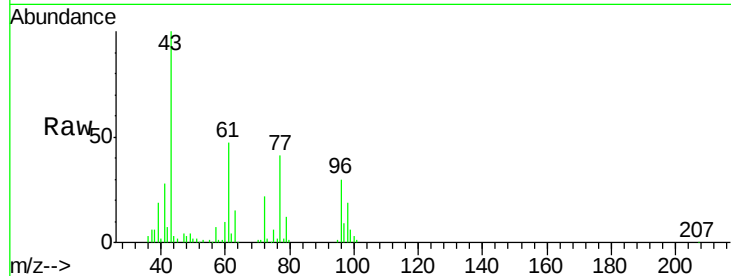
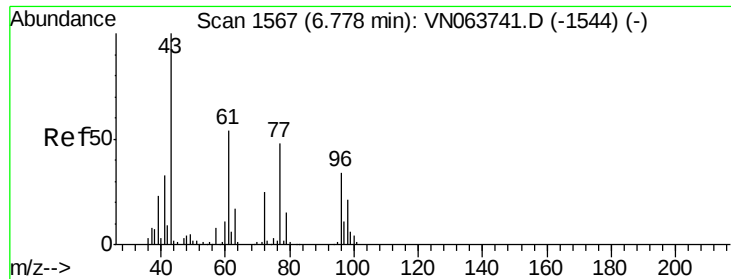
MMDadoda
10/13/2020 4:09:47 PM



#26
2,2-Dichloropropane
Concen: 17.478 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 77 Resp: 85653
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.3





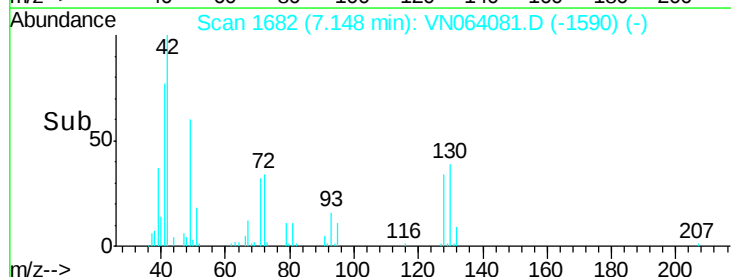
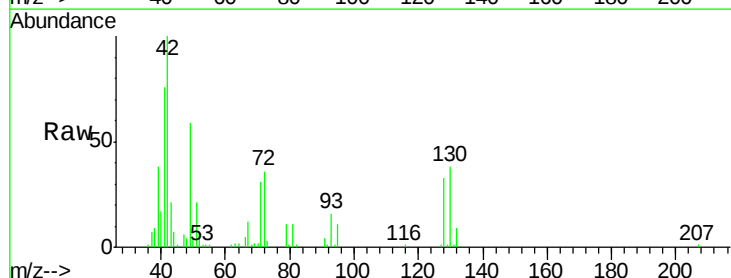
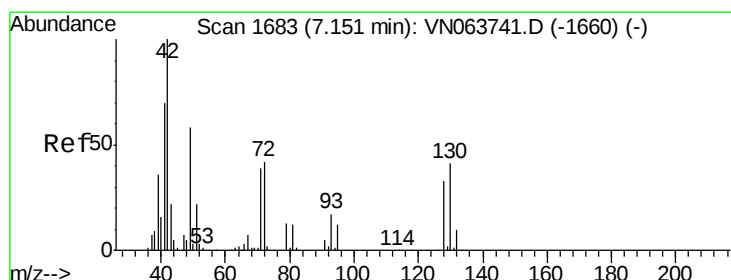
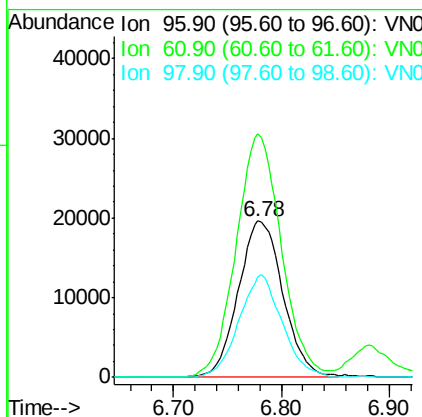
#27
 cis-1,2-Dichloroethene
 Concen: 17.901 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	321.2
98	63.4	0.0	124.4

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

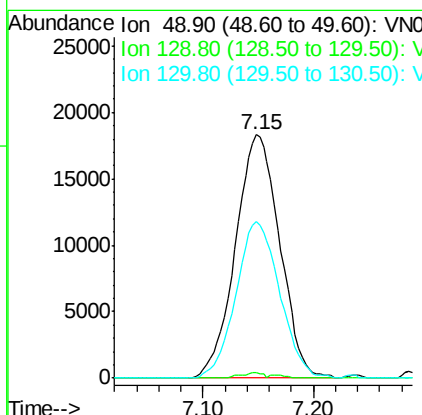
Manual Integrations
 APPROVED

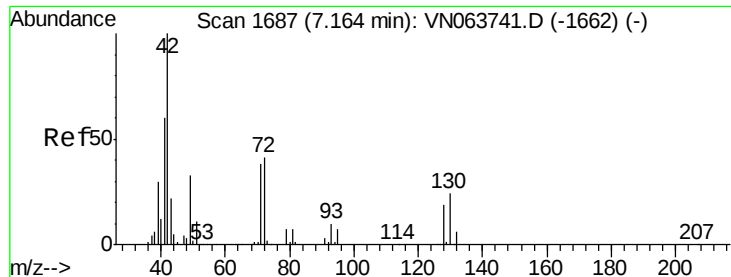
MMDadoda
 10/13/2020 4:09:47 PM



#28
 Bromochloromethane
 Concen: 19.252 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	63.3	55.6	83.4





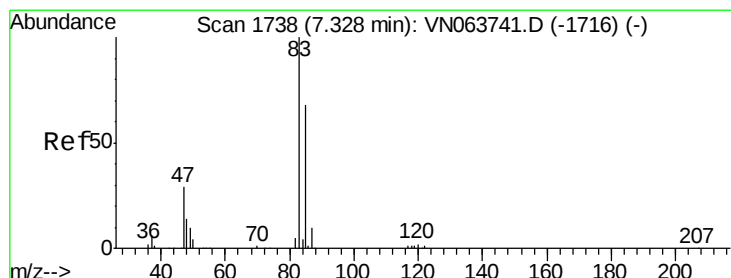
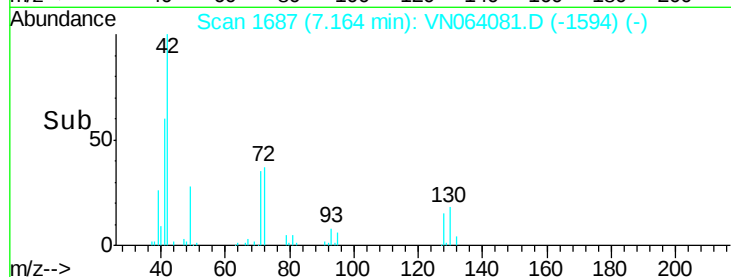
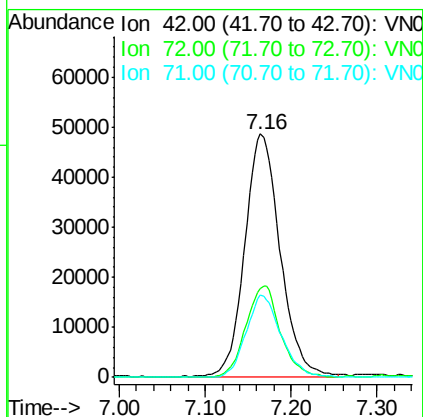
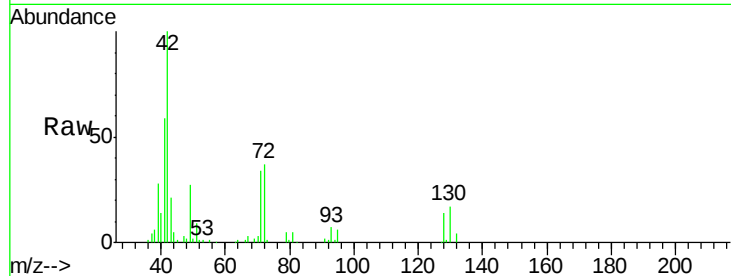
#29
Tetrahydrofuran
Concen: 117.445 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	32.8	49.2
71	33.4	30.6	45.8

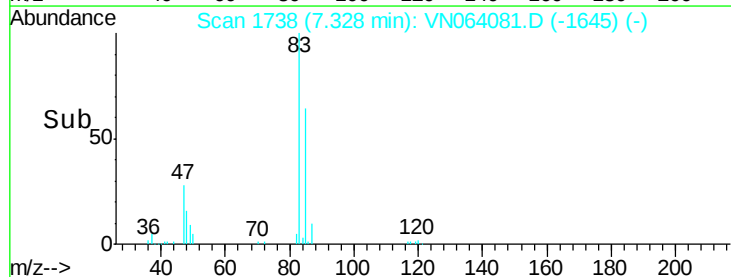
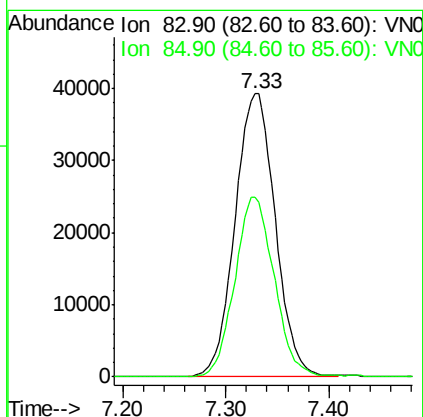
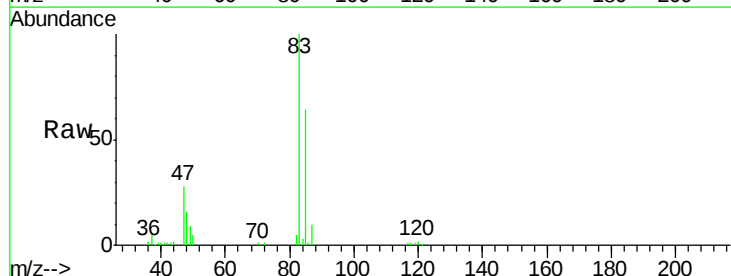
Manual Integrations
APPROVED

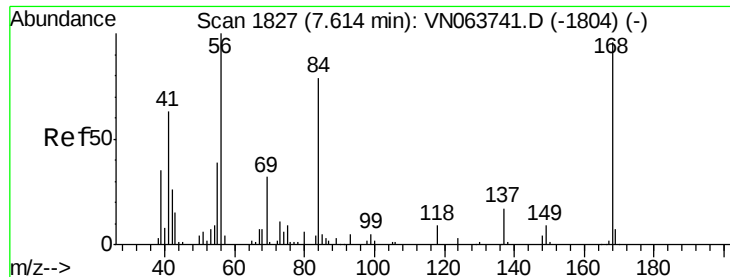
MMDadoda
10/13/2020 4:09:47 PM



#30
Chloroform
Concen: 19.109 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	54.6	82.0





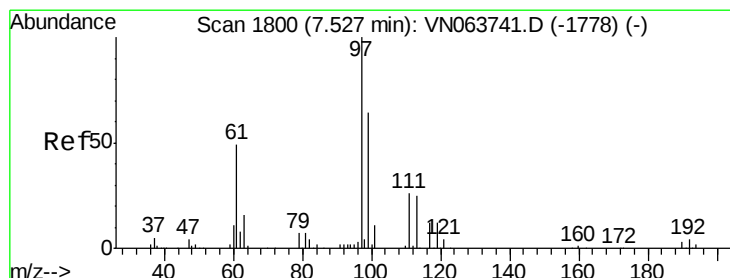
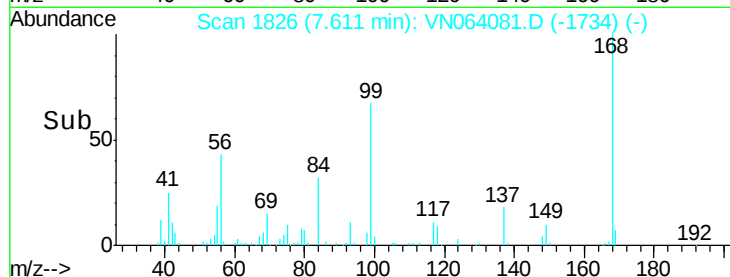
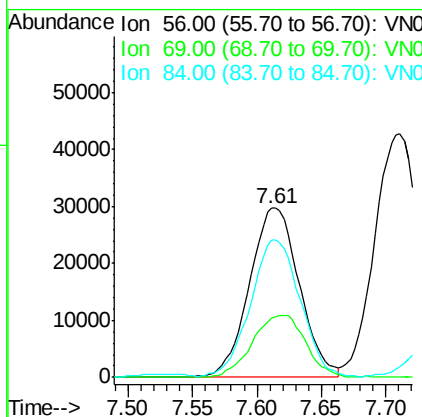
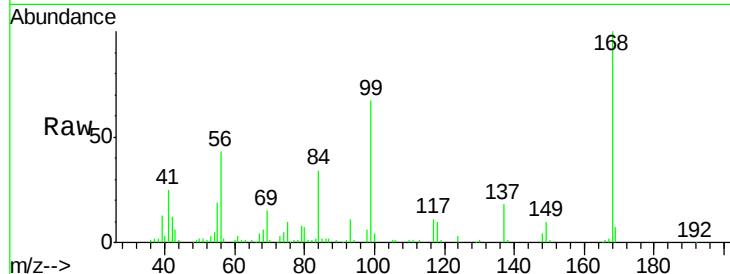
#31
Cyclohexane
Concen: 17.187 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.2
84	79.8	63.3	94.9

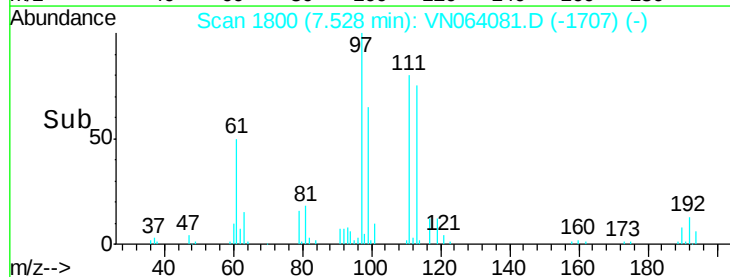
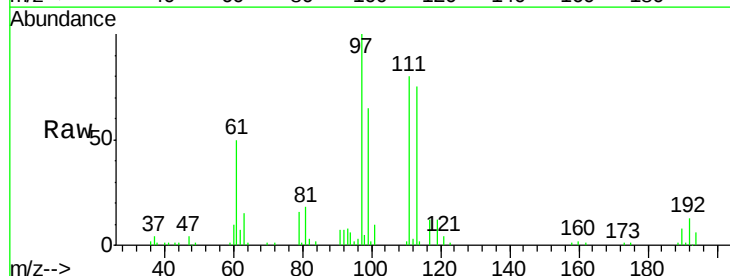
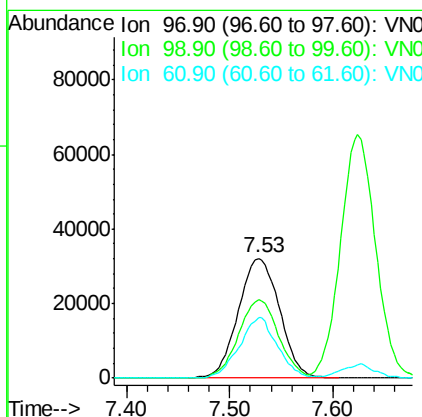
Manual Integrations
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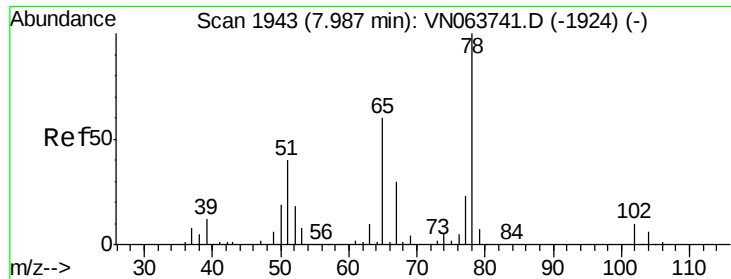
MMDadoda
10/13/2020 4:09:47 PM



#32
1,1,1-Trichloroethane
Concen: 17.757 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	46.9	38.7	58.1





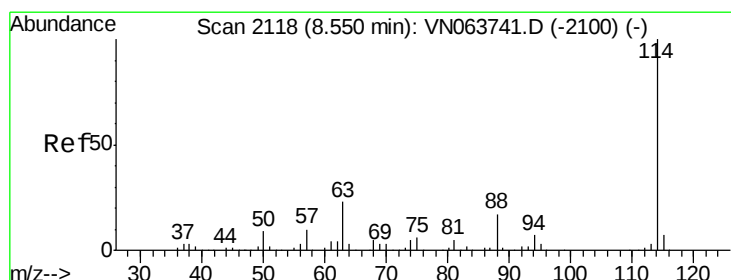
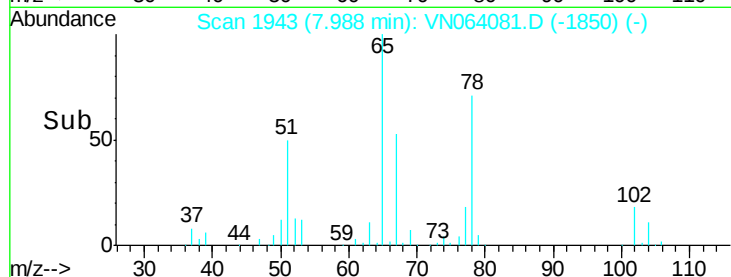
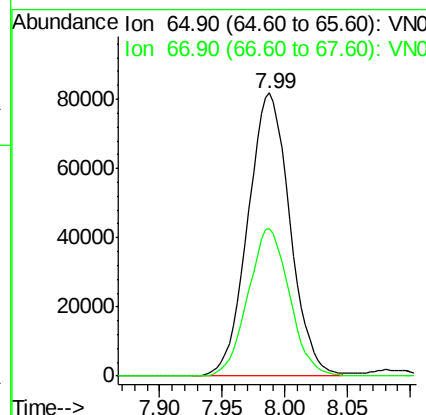
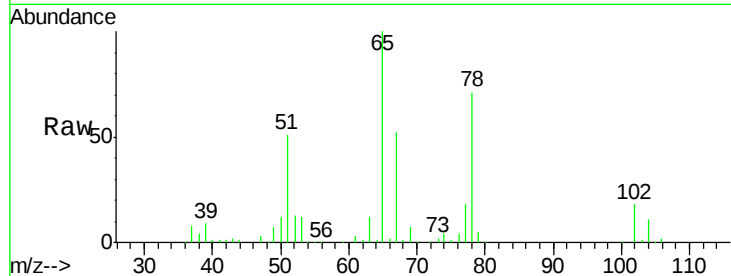
#33
 1,2-Dichloroethane-d4
 Concen: 47.520 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190894		
67	51.5	0.0	99.6	

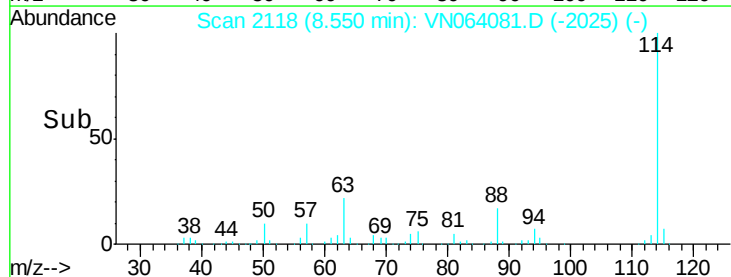
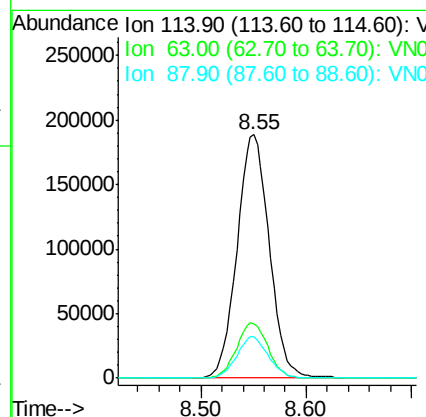
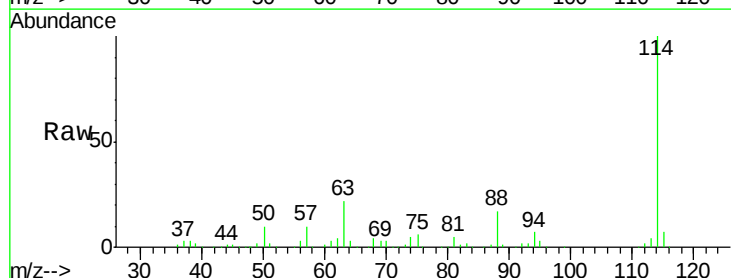
Manual Integrations
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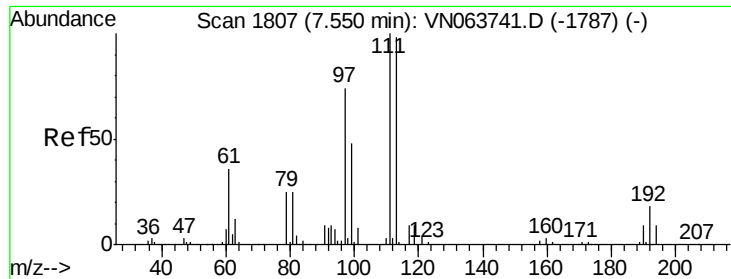
MMDadoda
 10/13/2020 4:09:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	399129		
63	22.5	0.0	45.0	
88	16.8	0.0	34.0	





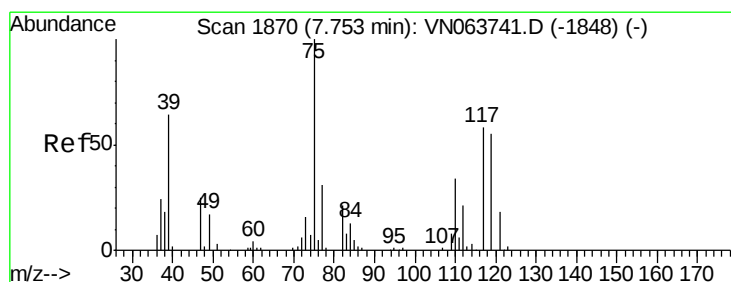
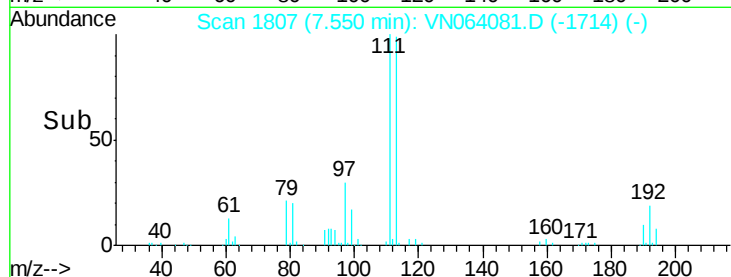
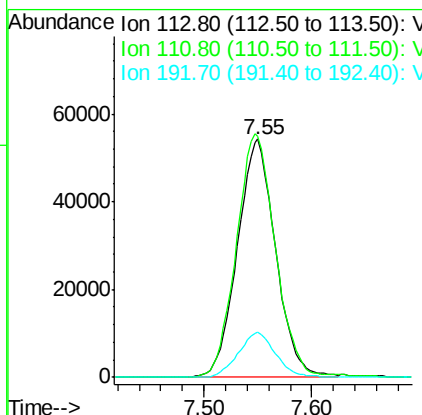
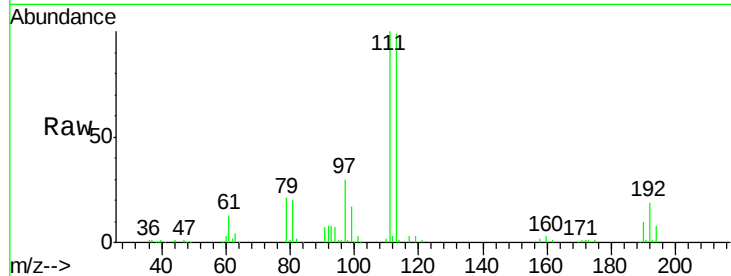
#35
Dibromofluoromethane
Concen: 48.314 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133805		
111	103.7	81.8	122.8	
192	18.4	14.2	21.2	

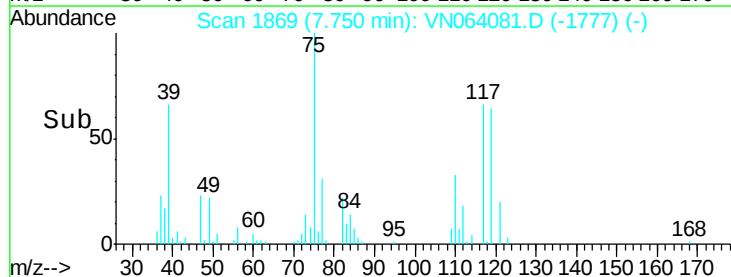
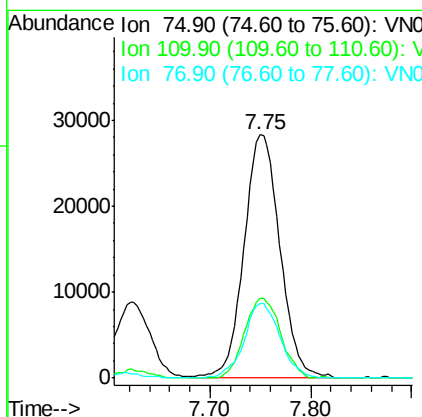
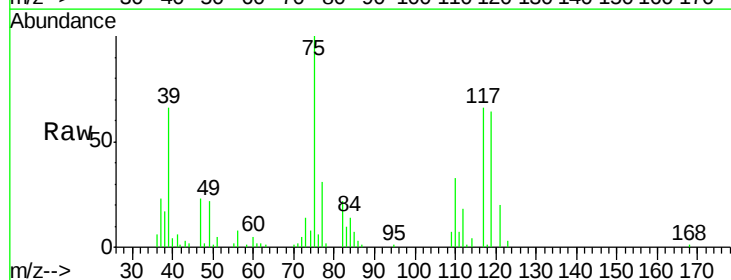
Manual Integrations
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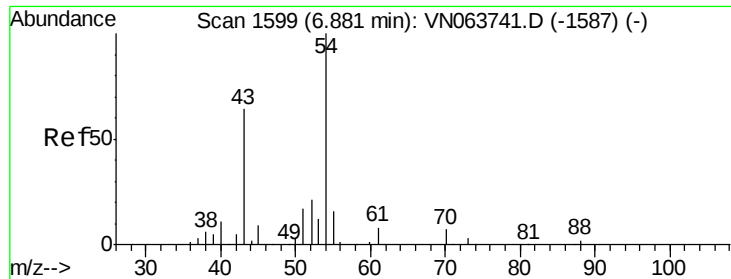
MMDadoda
10/13/2020 4:09:47 PM



#36
1,1-Dichloropropene
Concen: 17.300 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69953		
110	32.8	16.9	50.6	
77	30.9	24.5	36.7	





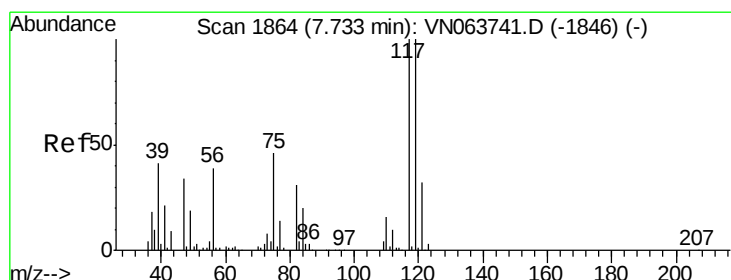
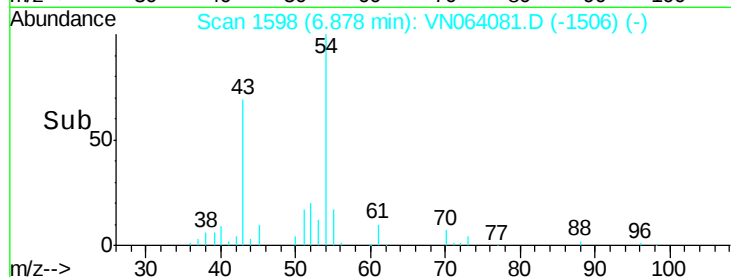
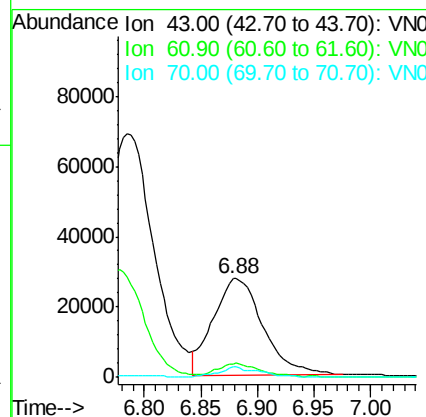
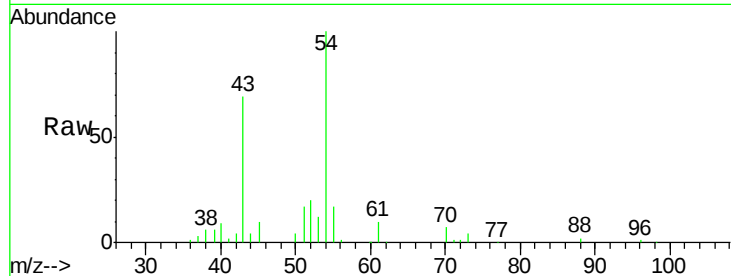
#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	43	61	70
Resp	84958		
Ratio	100	11.4	8.9
Lower		10.4	7.3
Upper		15.6	10.9

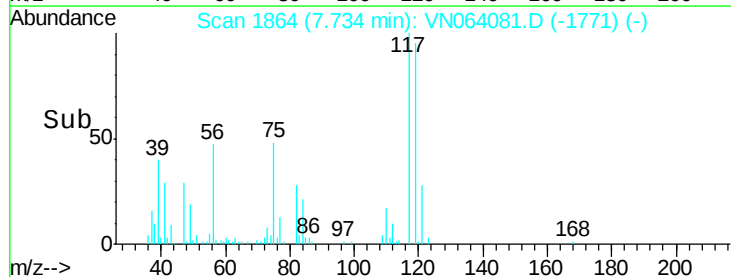
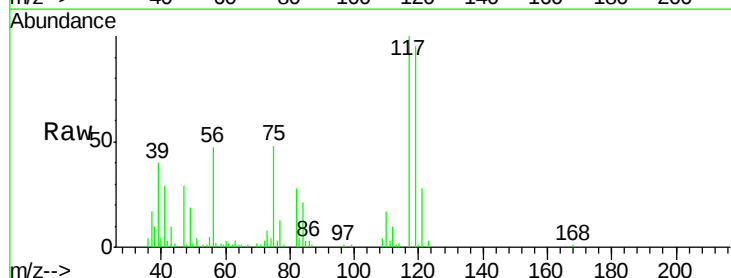
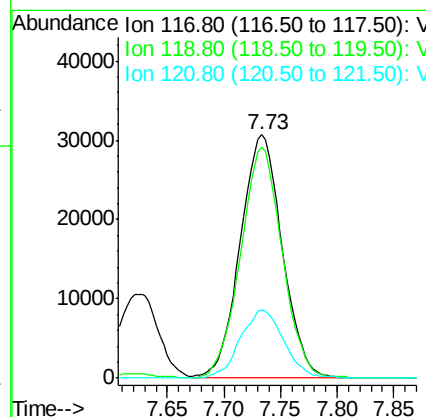
Manual Integrations
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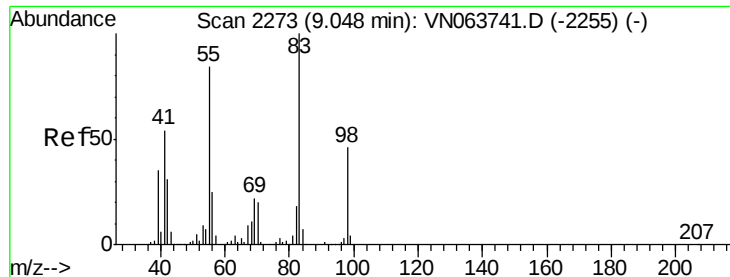
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.505 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	117	119	121
Resp	79370		
Ratio	100	95.1	28.3
Lower		80.1	25.7
Upper		120.1	38.5





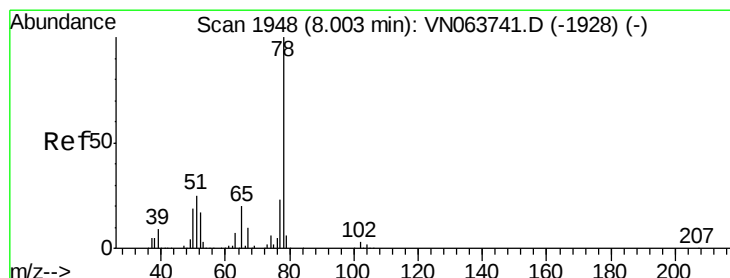
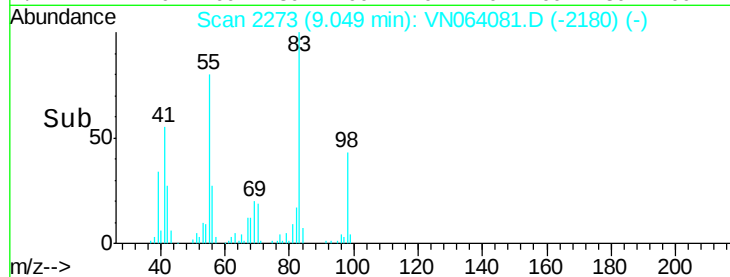
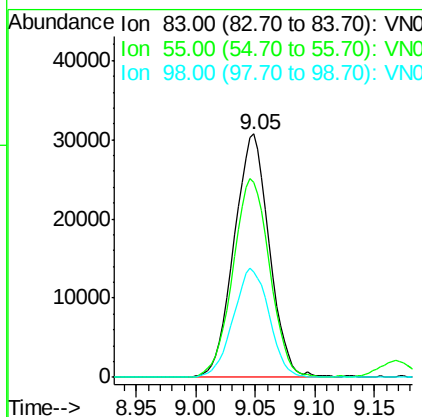
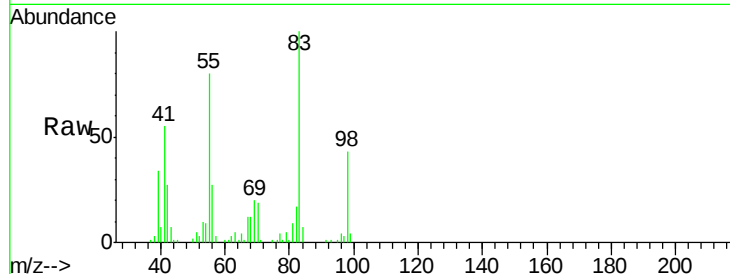
#39
Methvlcvclohexane
Concen: 15.644 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	67.1	100.7
98	43.4	36.6	54.8

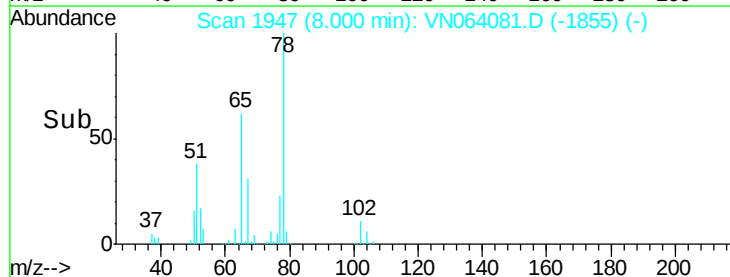
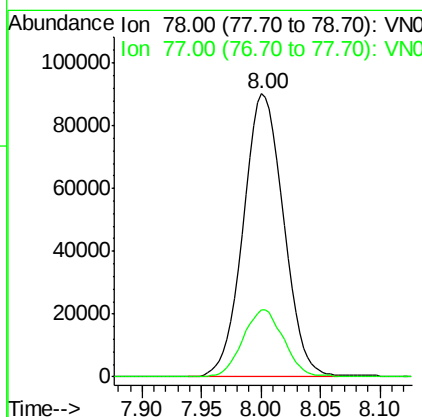
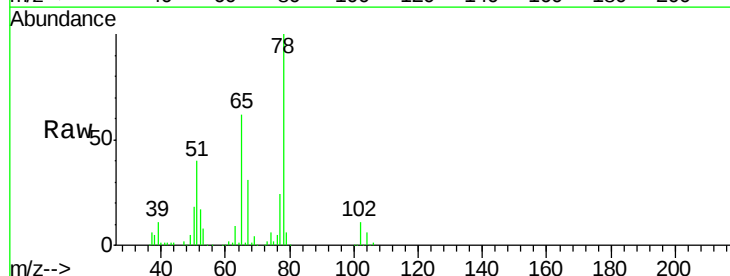
Manual Integrations
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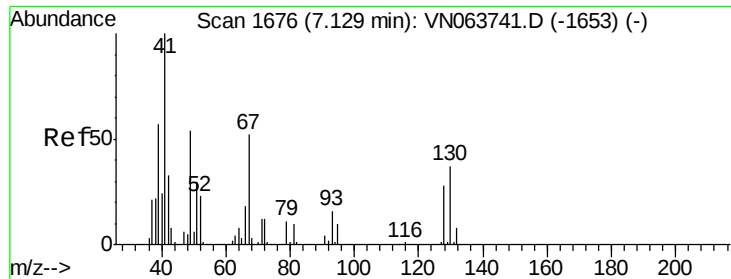
MMDadoda
10/13/2020 4:09:47 PM



#40
Benzene
Concen: 18.382 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





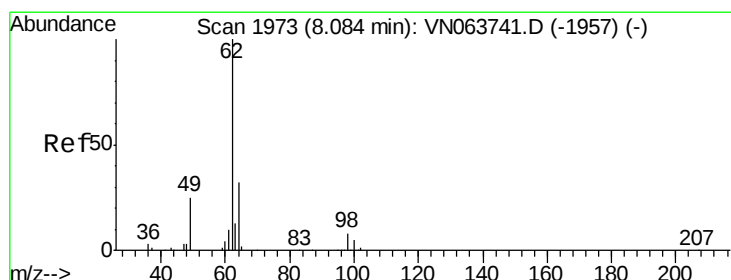
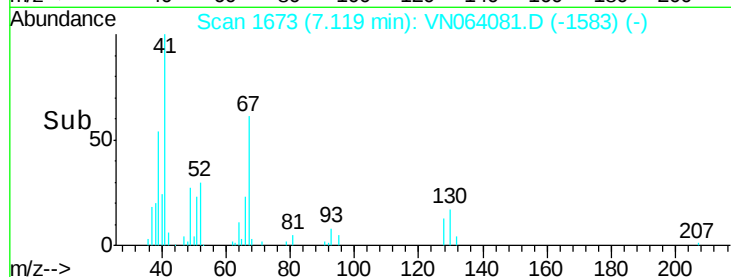
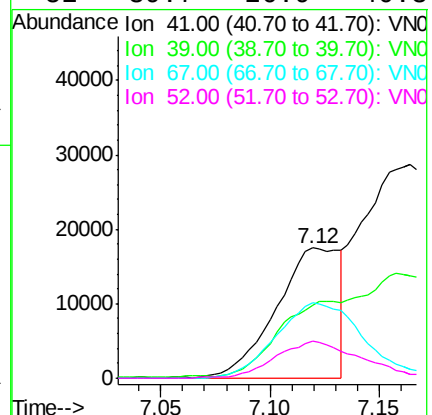
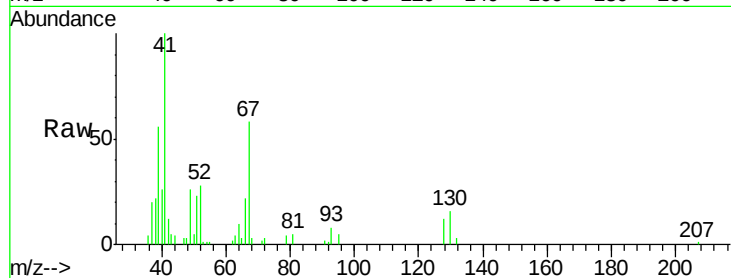
#41
Methacrylonitrile
Concen: 19.740 ug/l m
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	41	Resp	35245
Ion	Ratio	Lower	Upper
41	100		
39	55.8	42.5	63.7
67	81.8	57.4	86.2
52	39.7	26.9	40.3

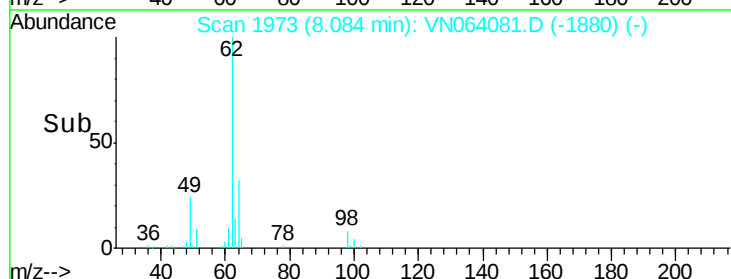
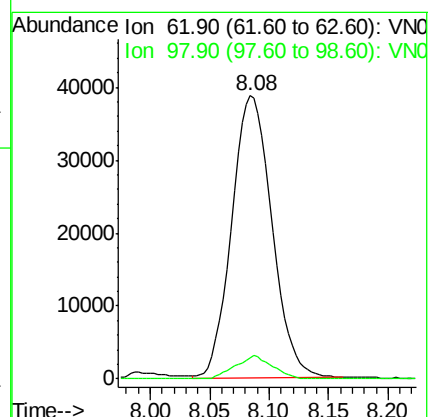
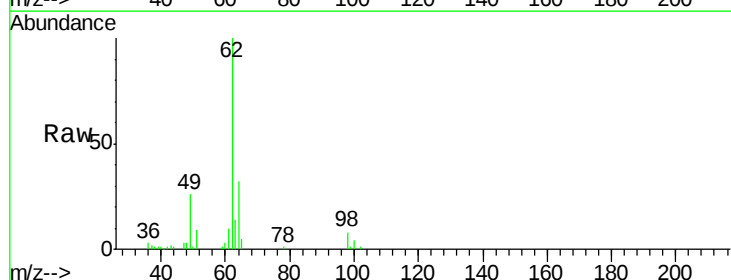
Manual Integrations
APPROVED

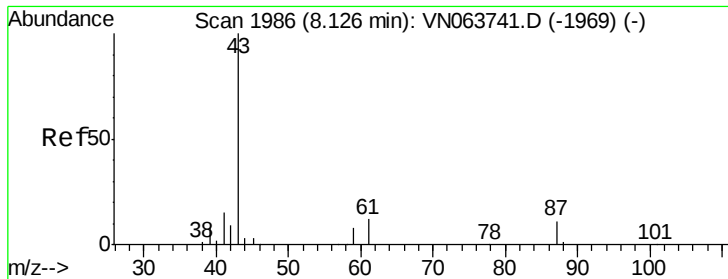
MMDadoda
10/13/2020 4:09:47 PM



#42
1,2-Dichloroethane
Concen: 18.414 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	62	Resp	90782
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





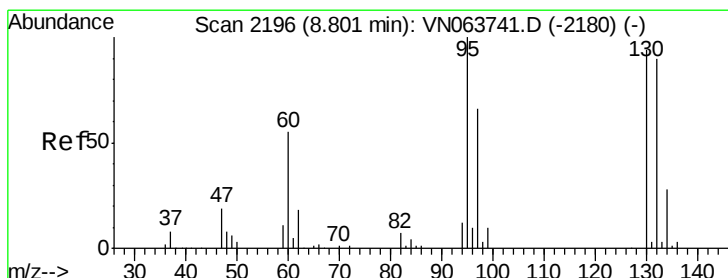
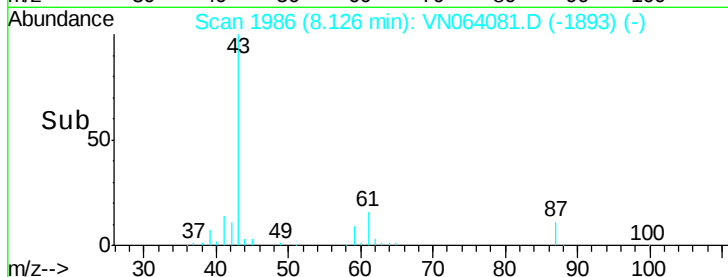
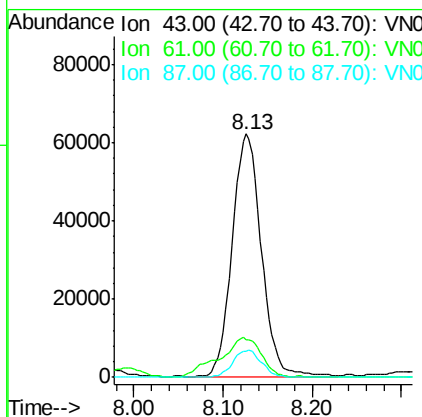
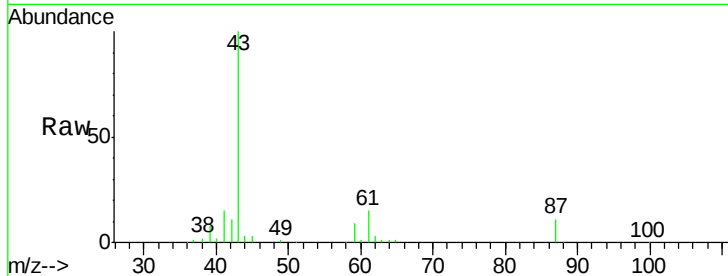
#43
Isopropyl Acetate
Concen: 21.211 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	14.2	21.4#
87	10.9	9.0	13.6

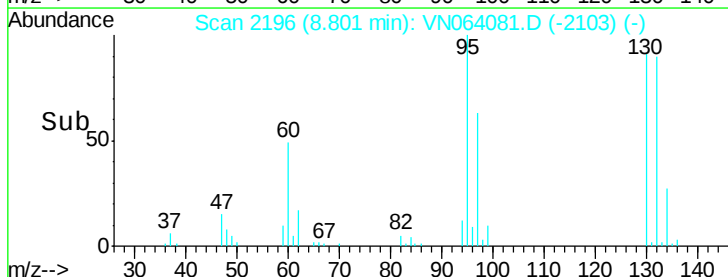
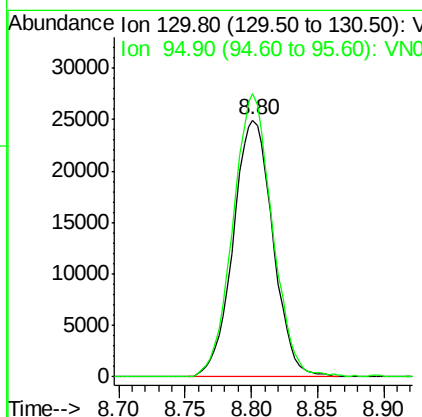
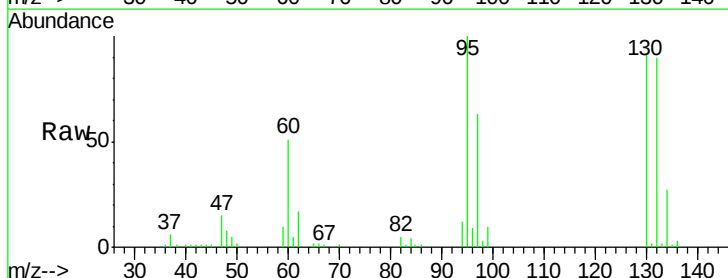
Manual Integrations
APPROVED

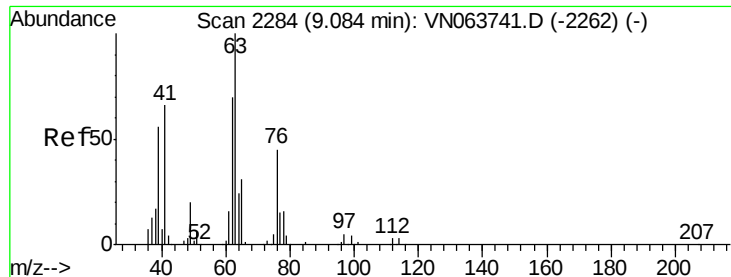
MMDadoda
10/13/2020 4:09:47 PM



#44
Trichloroethene
Concen: 17.129 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.547 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 63 Resp: 60971

Ion Ratio Lower Upper

63 100

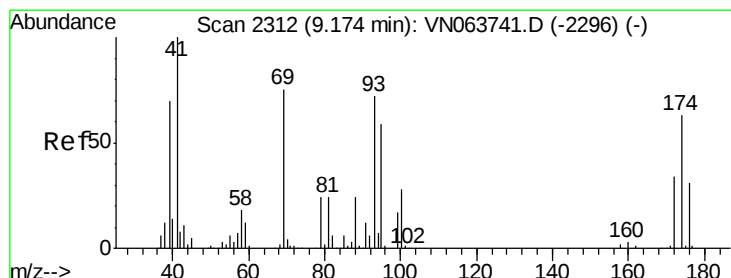
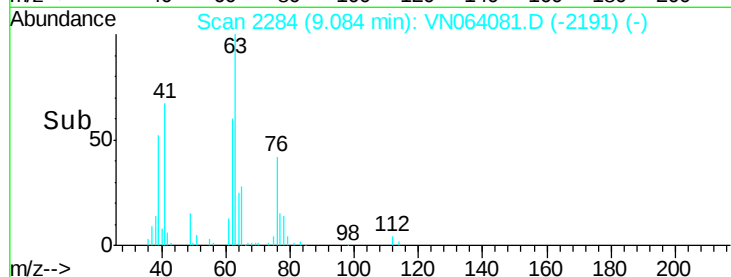
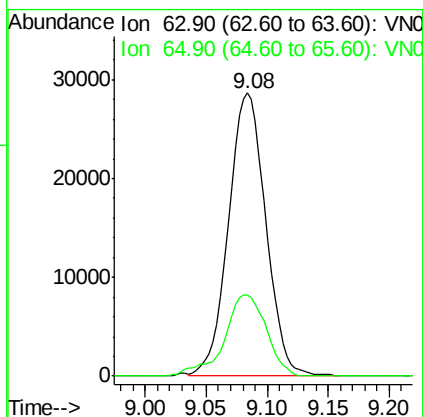
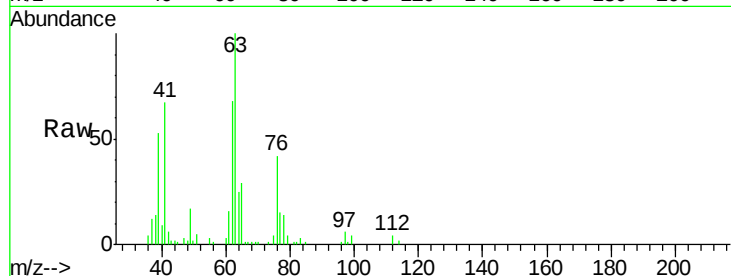
65 28.9 24.7 37.1

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 18.927 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

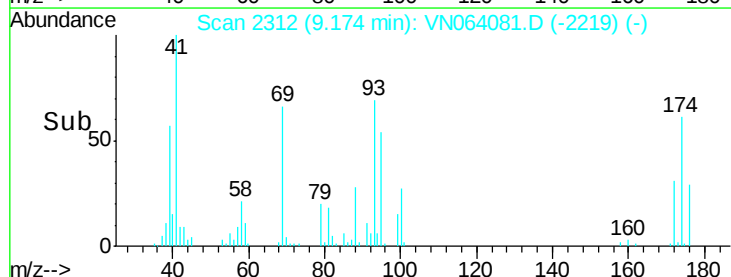
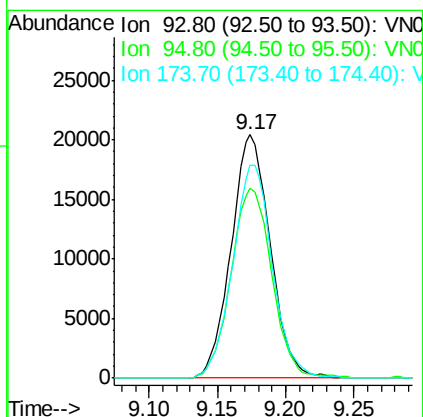
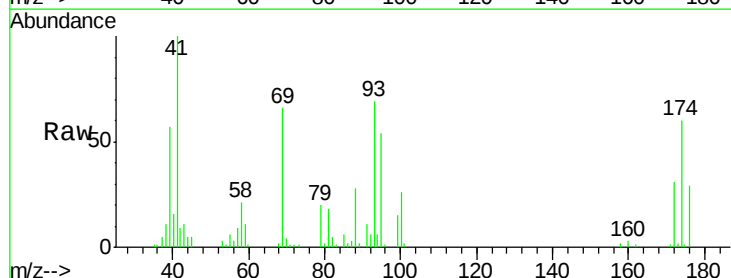
Tgt Ion: 93 Resp: 40726

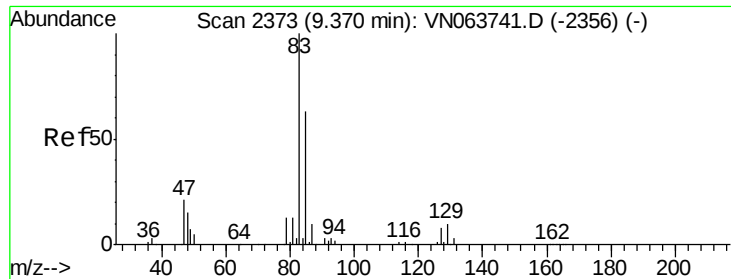
Ion Ratio Lower Upper

93 100

95 81.5 66.3 99.5

174 88.8 72.7 109.1





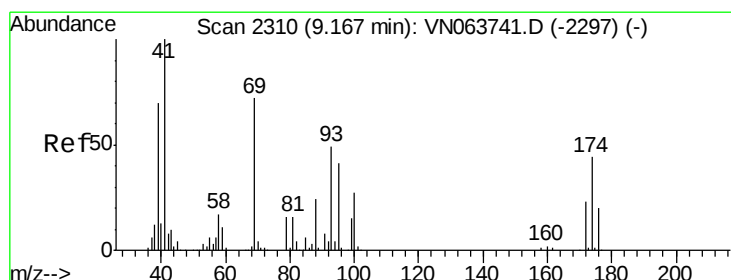
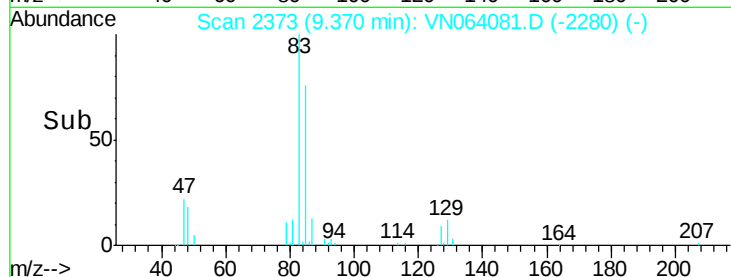
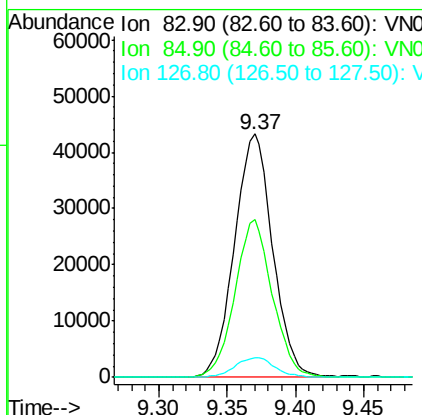
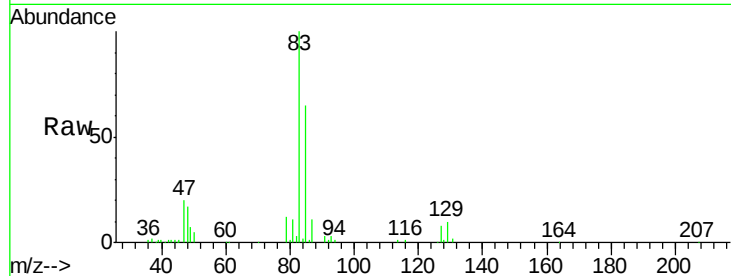
#47
Bromodichloromethane
Concen: 18.998 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	83	Resp	84249
Ion Ratio	100		
Lower	50.6		
Upper	75.8		
85	64.7		
127	7.9		

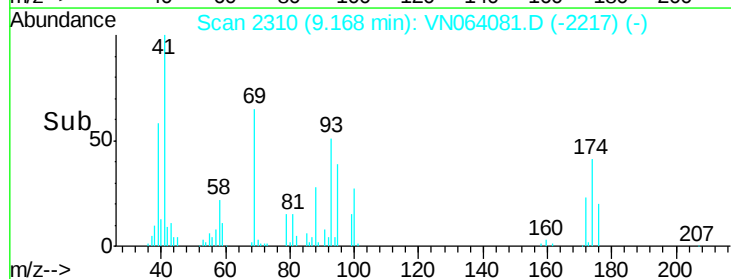
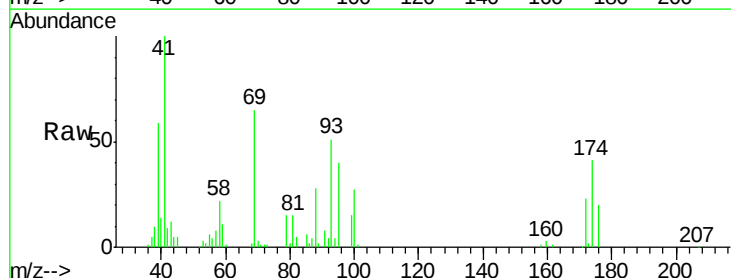
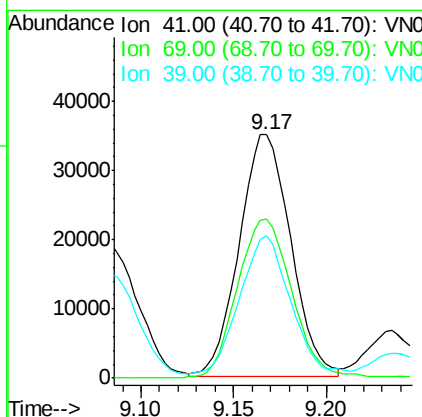
Manual Integrations
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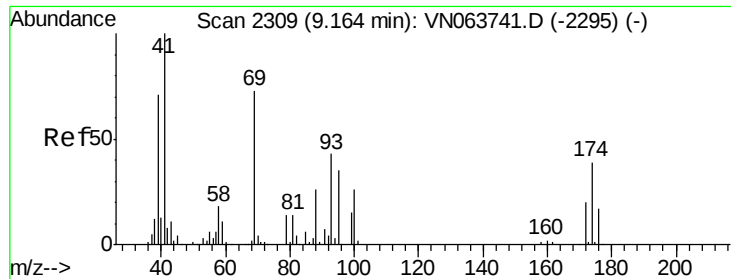
MMDadoda
10/13/2020 4:09:47 PM



#48
Methyl methacrylate
Concen: 20.668 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	41	Resp	67663
Ion Ratio	100		
Lower	60.9		
Upper	91.3		
69	69.5		
39	59.1		





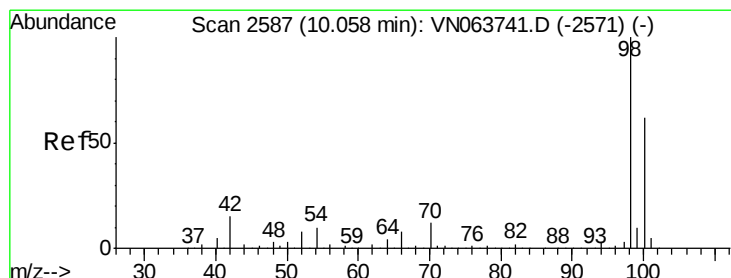
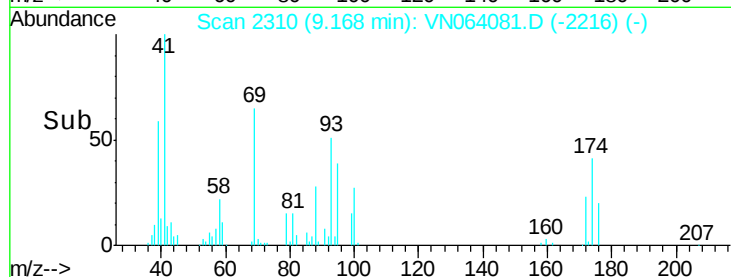
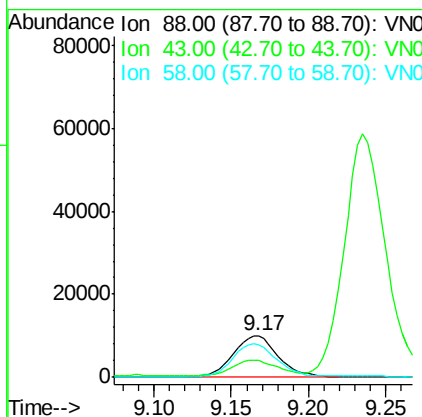
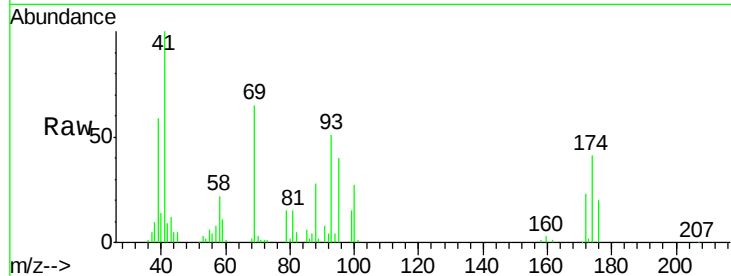
#49
1,4-Dioxane
Concen: 441.424 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	33.1	49.7
58	79.2	58.9	88.3

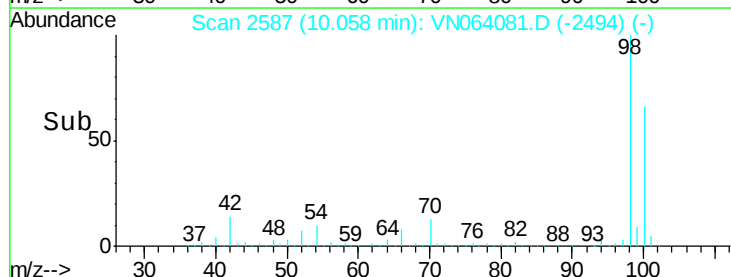
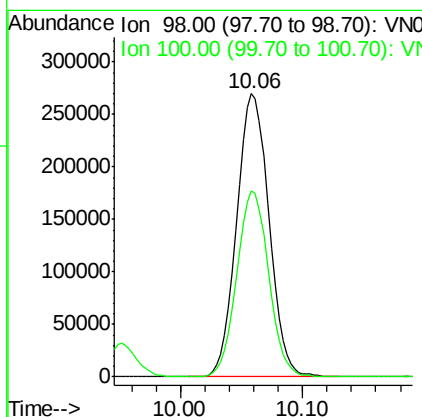
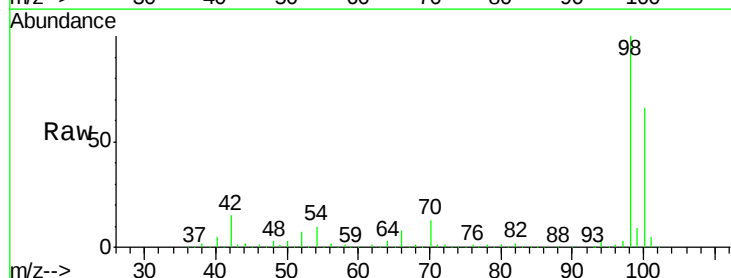
Manual Integrations
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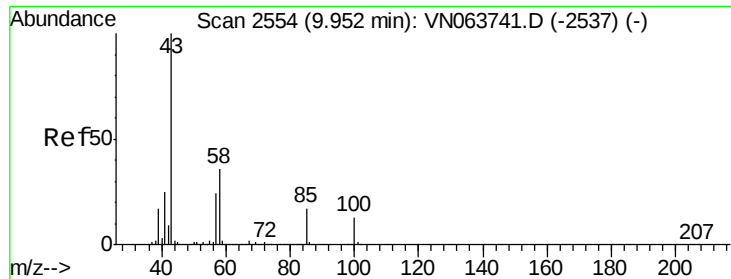
MMDadoda
10/13/2020 4:09:47 PM



#50
Toluene-d8
Concen: 47.101 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 113.087 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 43 Resp: 439762

Ion Ratio Lower Upper

43 100

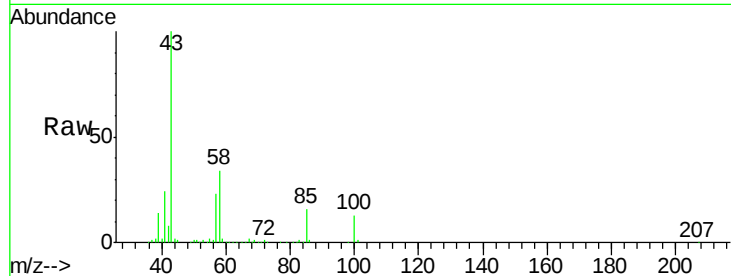
58 34.6 28.4 42.6

Manual Integrations

APPROVED

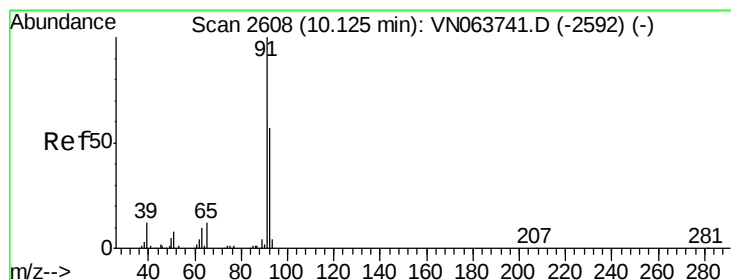
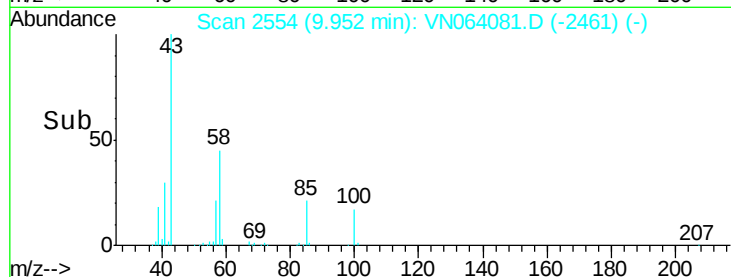
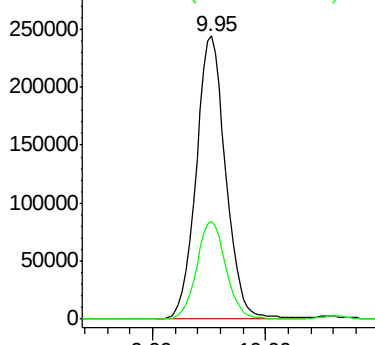
MMDadoda

10/13/2020 4:09:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.868 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064081.D

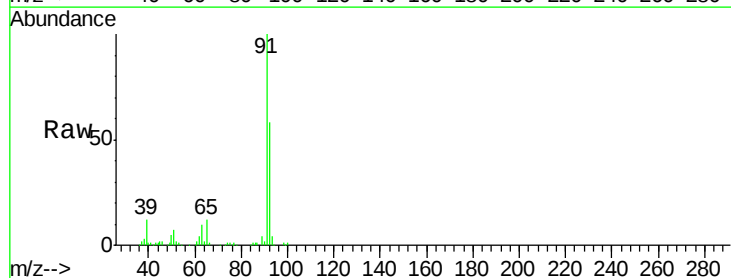
Acq: 12 Oct 2020 16:37

Tgt Ion: 92 Resp: 134791

Ion Ratio Lower Upper

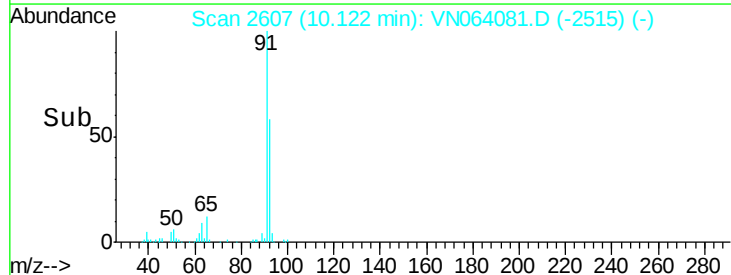
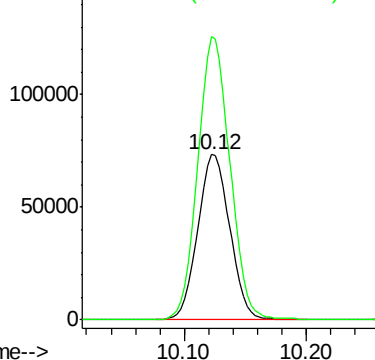
92 100

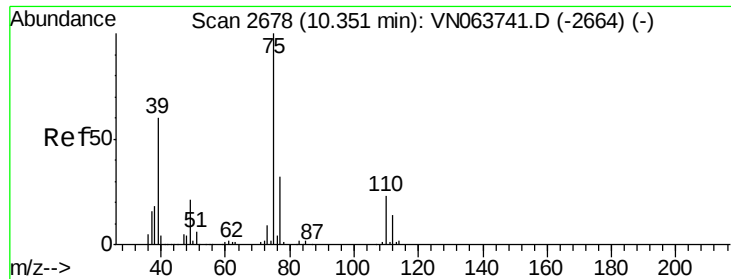
91 171.8 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





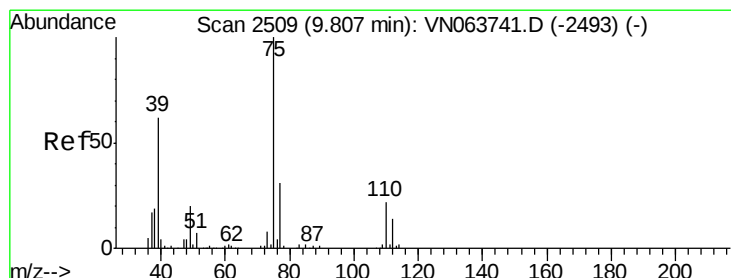
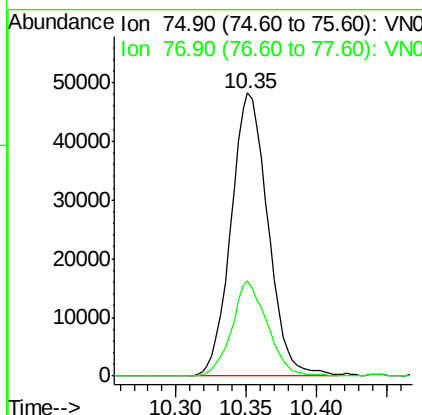
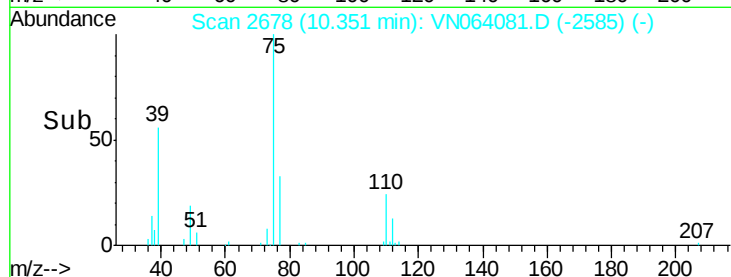
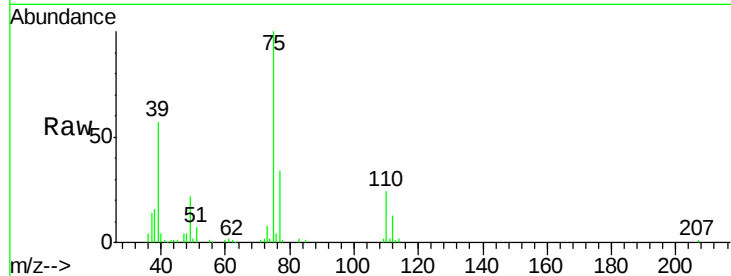
#53
t-1,3-Dichloropropene
Concen: 18.611 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 75 Resp: 88470
Ion Ratio Lower Upper
75 100
77 33.8 25.3 37.9

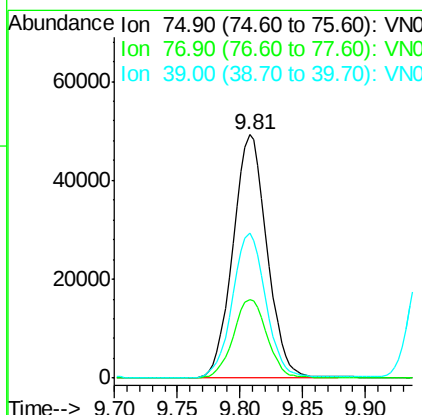
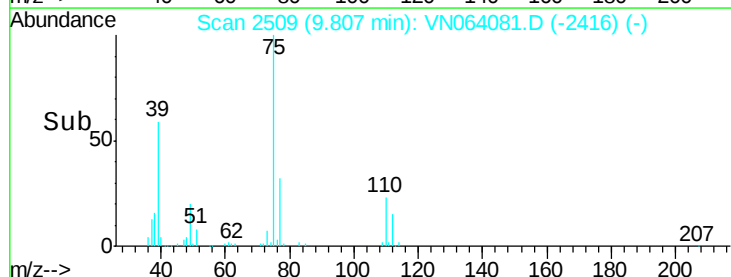
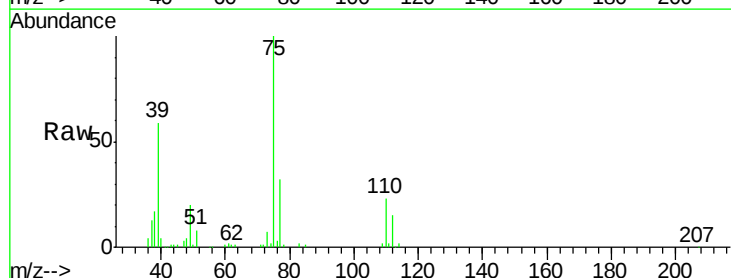
Manual Integrations
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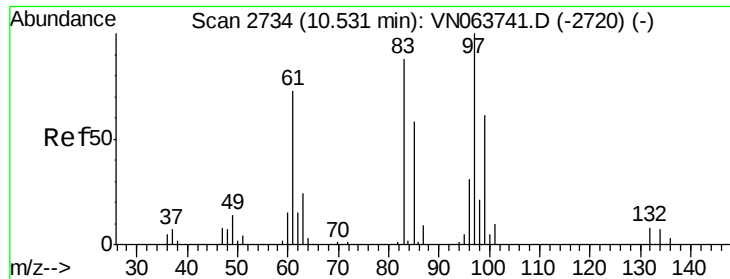
MMDadoda
10/13/2020 4:09:47 PM



#54
cis-1,3-Dichloropropene
Concen: 18.722 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 75 Resp: 93074
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 59.0 49.7 74.5





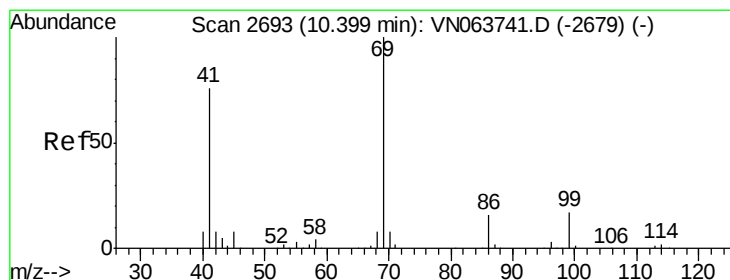
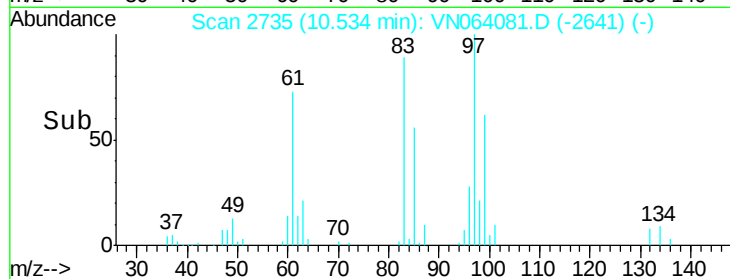
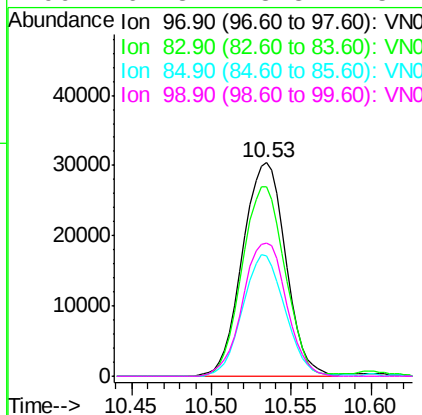
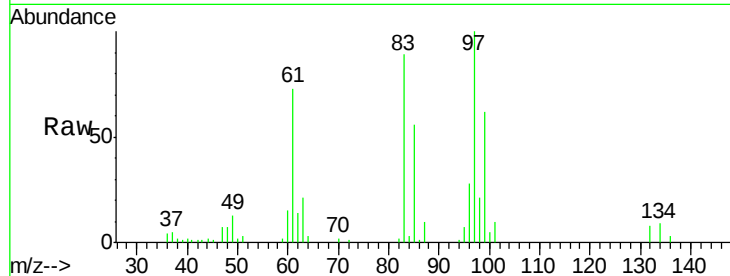
#55
 1,1,2-Trichloroethane
 Concen: 19.628 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion:	97	Resp:	56232
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	56.4	46.1	69.1
99	62.3	48.8	73.2

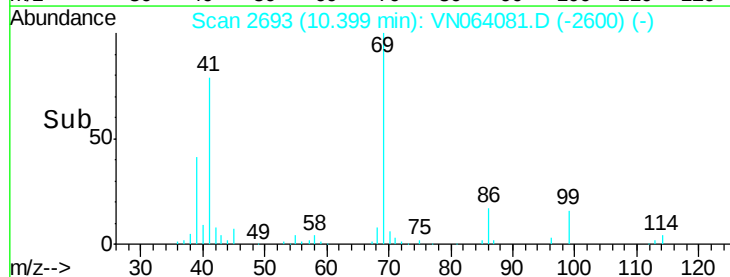
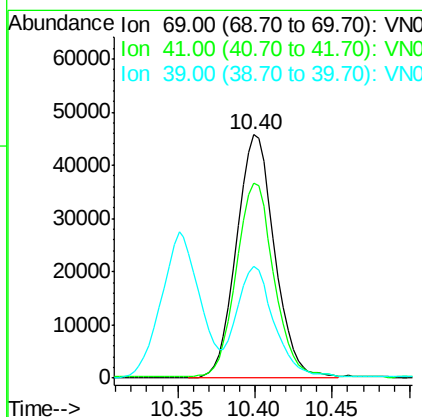
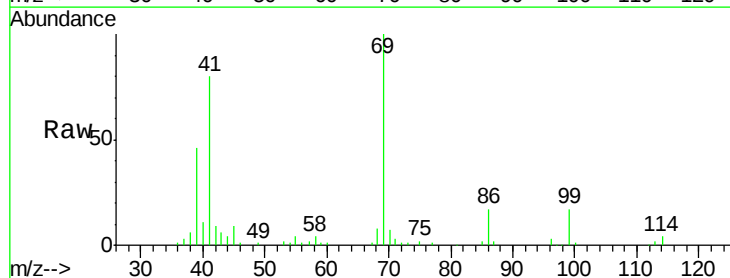
Manual Integrations
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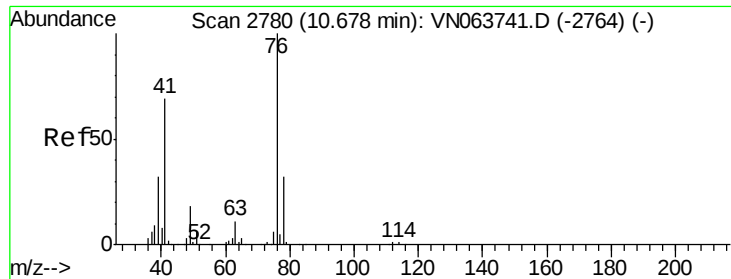
MMDadoda
 10/13/2020 4:09:47 PM



#56
 Ethyl methacrylate
 Concen: 19.356 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion:	69	Resp:	78603
Ion	Ratio	Lower	Upper
69	100		
41	78.7	61.1	91.7
39	45.1	42.2	63.4





#57

1,3-Dichloropropane

Concen: 19.963 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 76 Resp: 96758

Ion Ratio Lower Upper

76 100

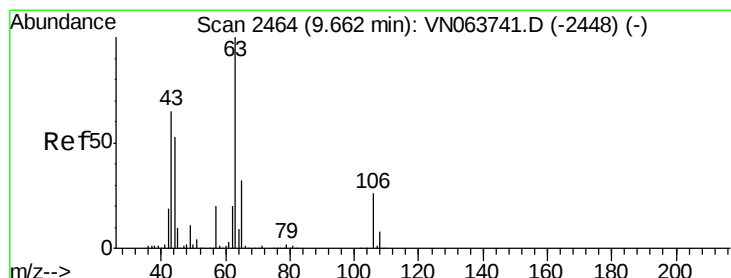
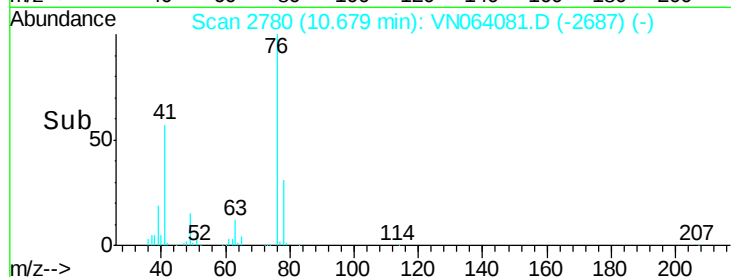
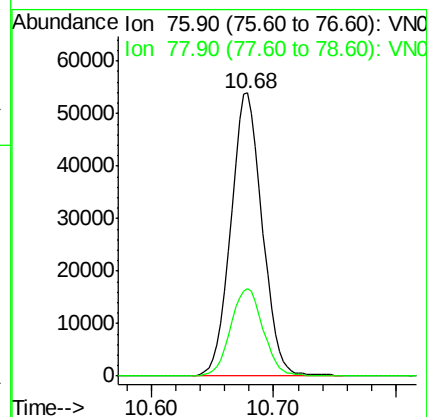
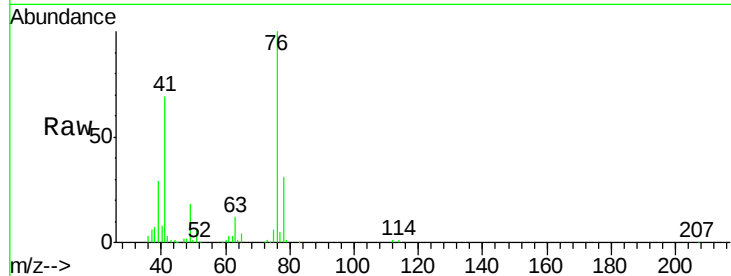
78 32.0 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/13/2020 4:09:47 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.893 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064081.D

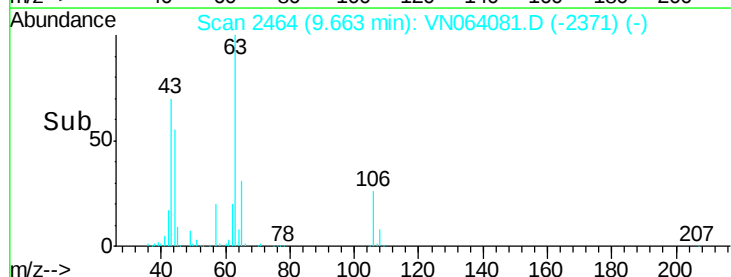
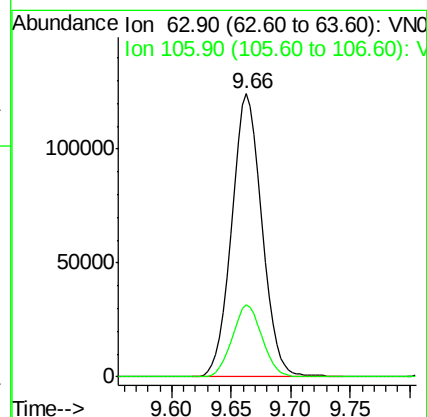
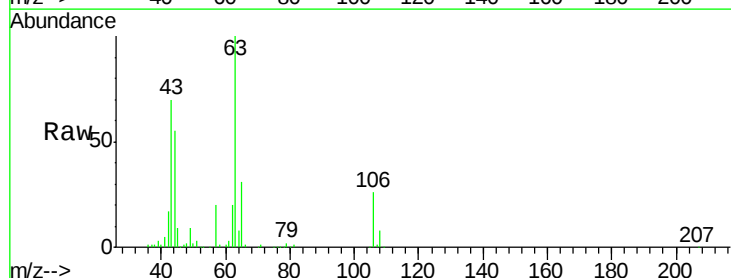
Acq: 12 Oct 2020 16:37

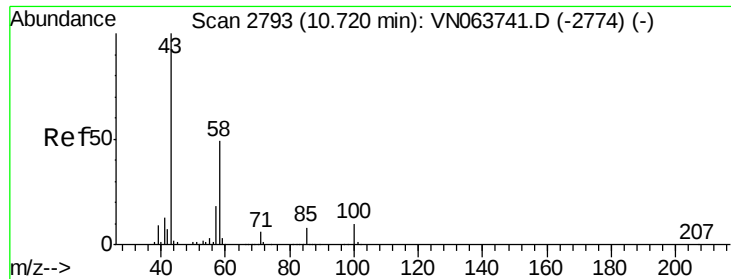
Tgt Ion: 63 Resp: 219159

Ion Ratio Lower Upper

63 100

106 25.2 20.7 31.1





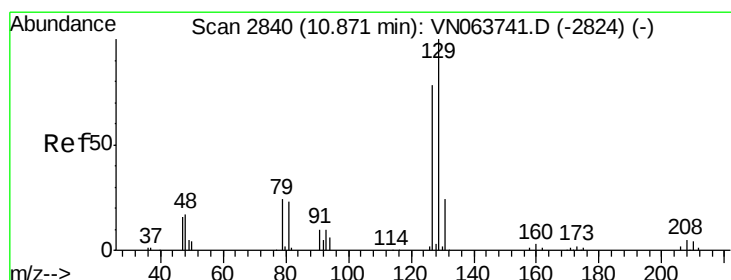
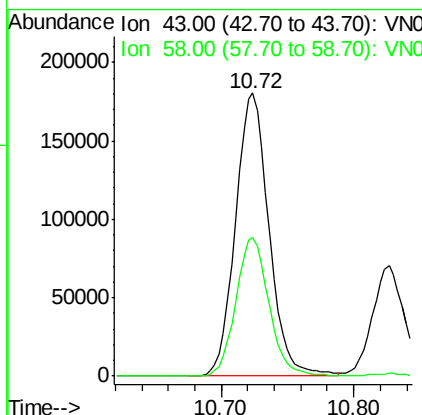
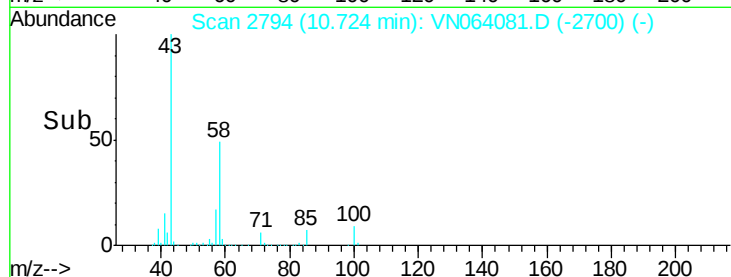
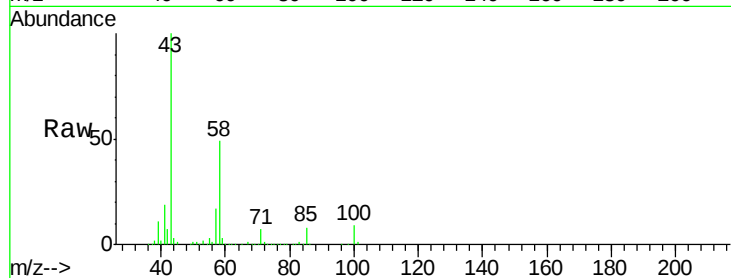
#59
2-Hexanone
Concen: 109.034 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 43 Resp: 314974
Ion Ratio Lower Upper
43 100
58 48.7 24.6 73.8

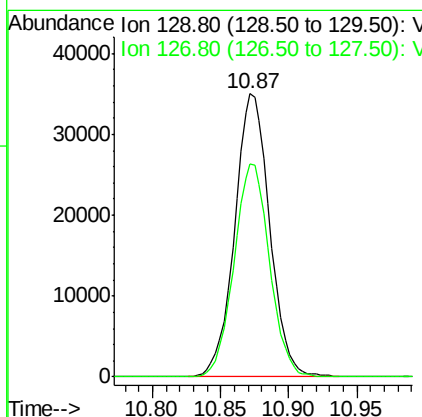
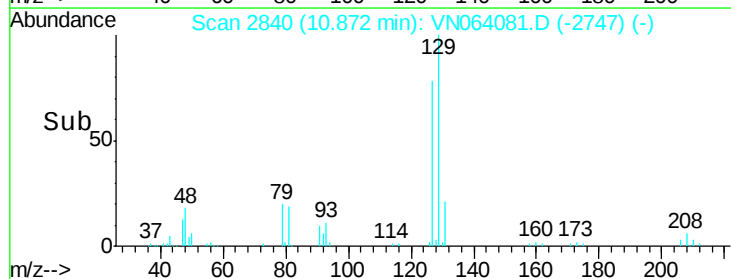
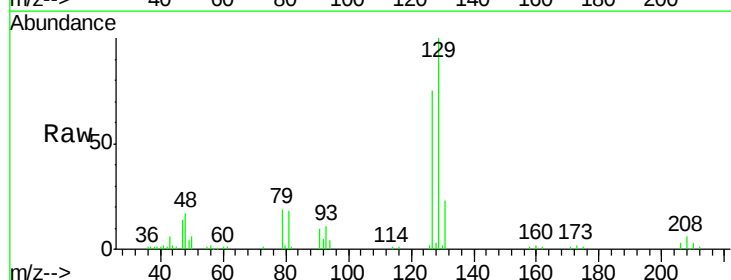
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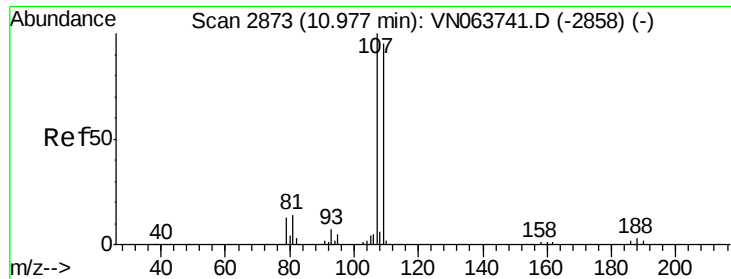
MMDadoda
10/13/2020 4:09:47 PM



#60
Dibromochloromethane
Concen: 18.710 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 129 Resp: 62425
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.7





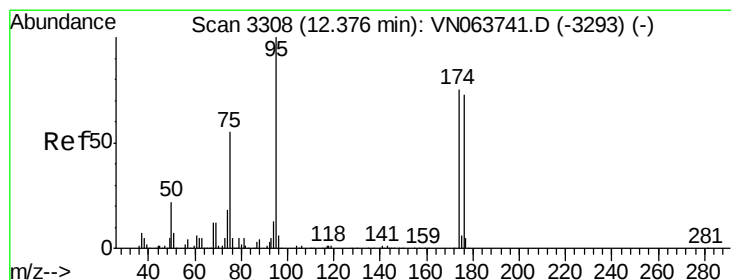
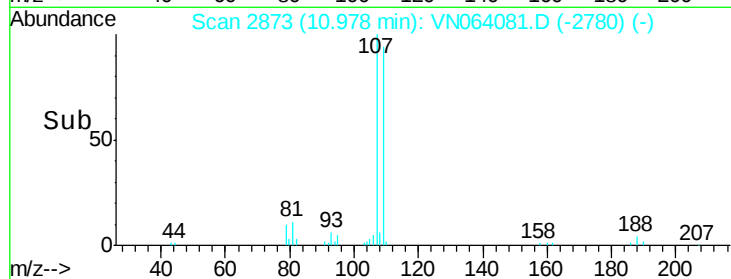
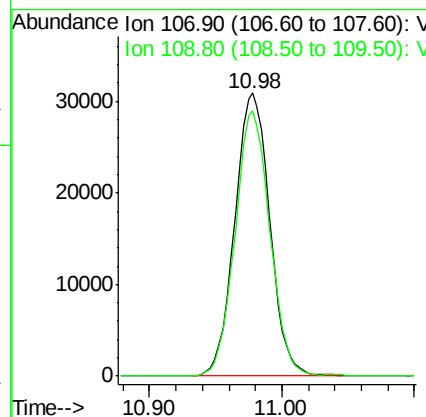
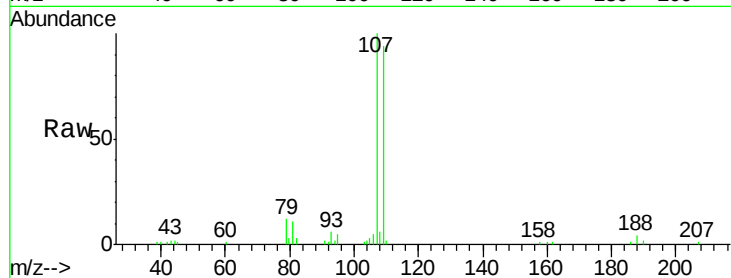
#61
 1,2-Dibromoethane
 Concen: 19.325 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.8	112.2

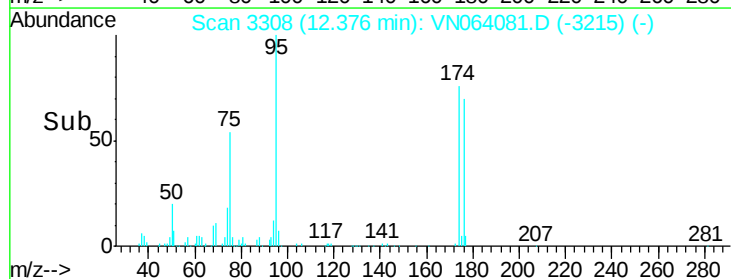
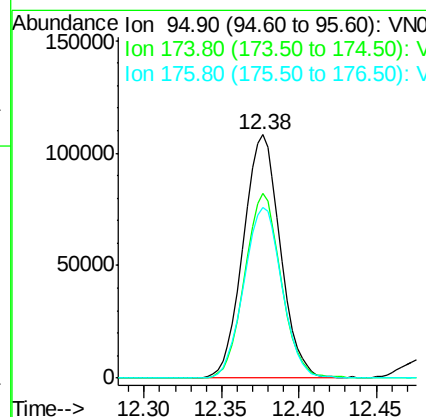
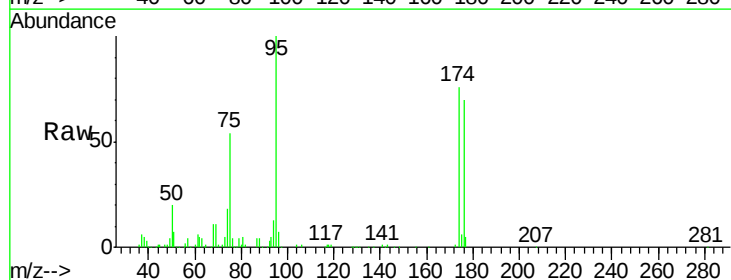
Manual Integrations
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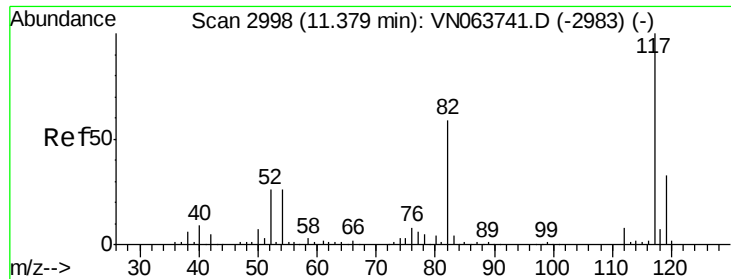
MMDadoda
 10/13/2020 4:09:47 PM



#62
 4-Bromofluorobenzene
 Concen: 45.739 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.6
176	72.0	0.0	145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

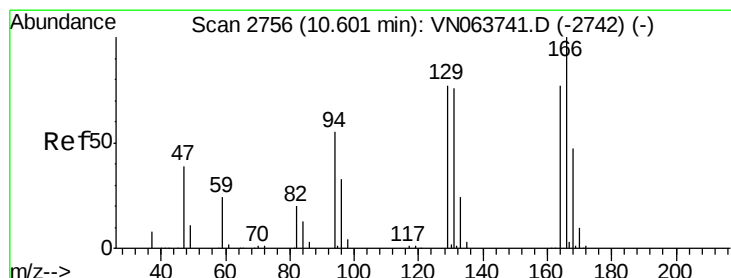
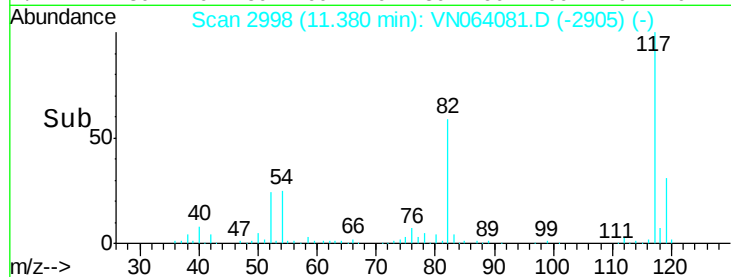
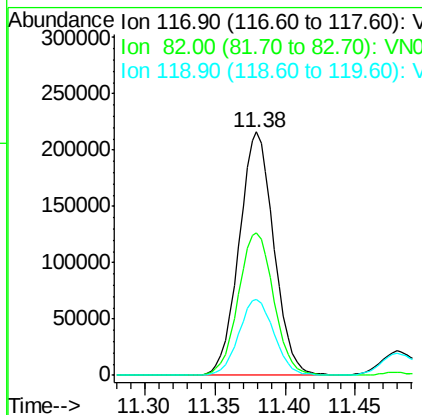
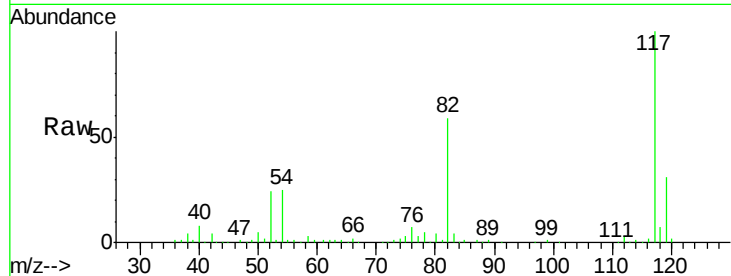
ClientSampleId :

VN1012WBSD01

Tot Ion:	117	Resp:	372705
Ion Ratio	Lower	Upper	
117	100		
82	58.8	47.4	71.2
119	31.4	26.4	39.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 16.423 ug/l

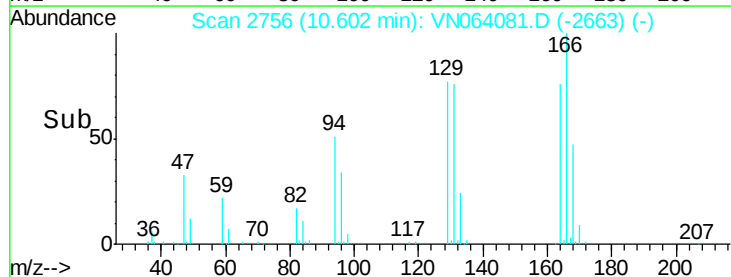
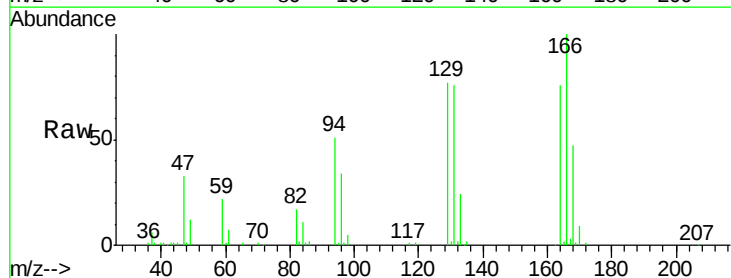
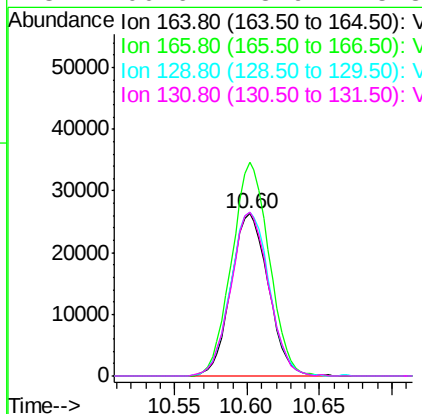
RT: 10.60 min Scan# 2756

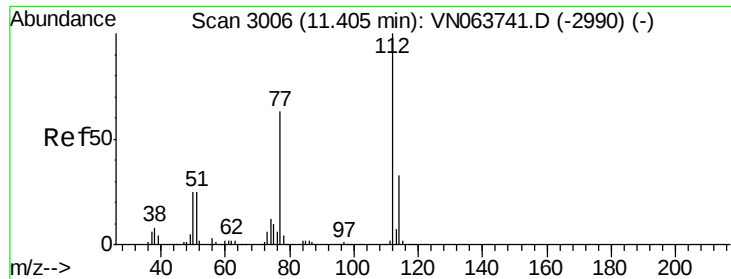
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	164	Resp:	47357
Ion Ratio	Lower	Upper	
164	100		
166	131.7	103.9	155.9
129	101.0	80.3	120.5
131	100.6	78.9	118.3





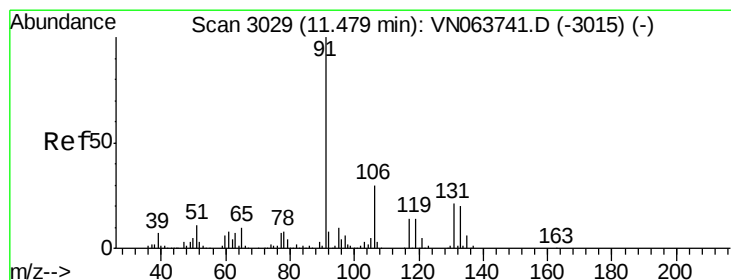
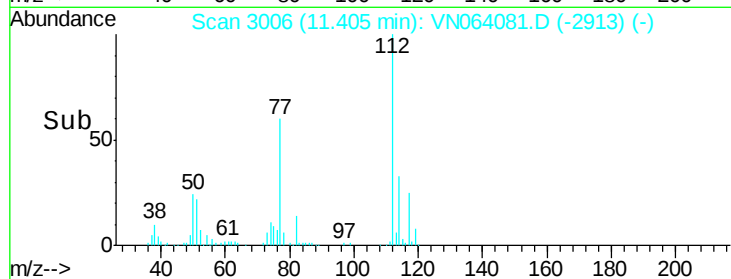
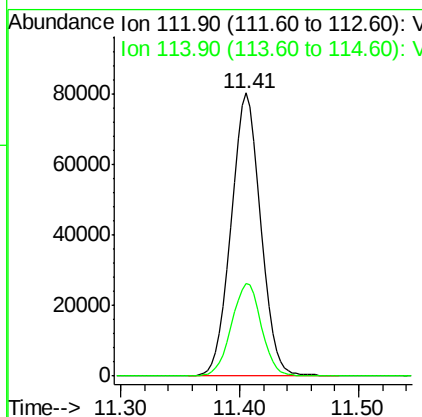
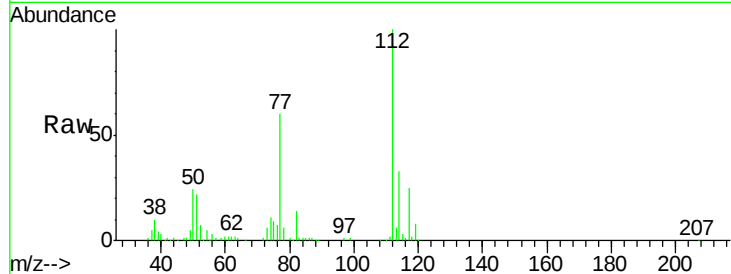
#65
Chlorobenzene
Concen: 18.101 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion:112 Resp: 138385
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1

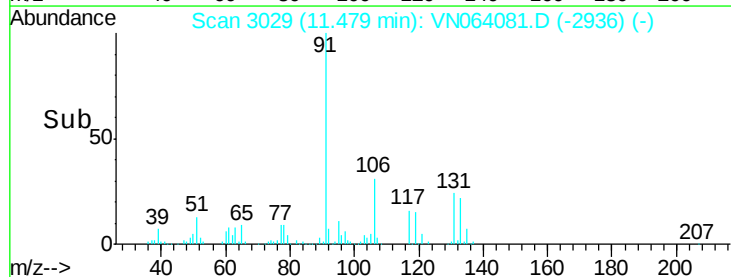
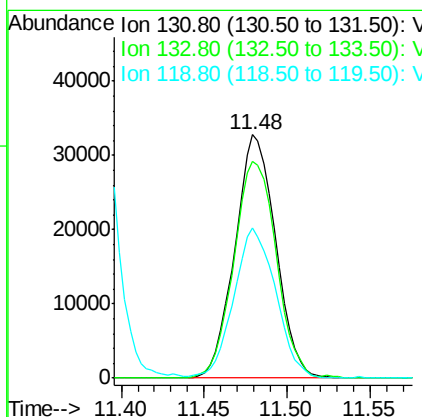
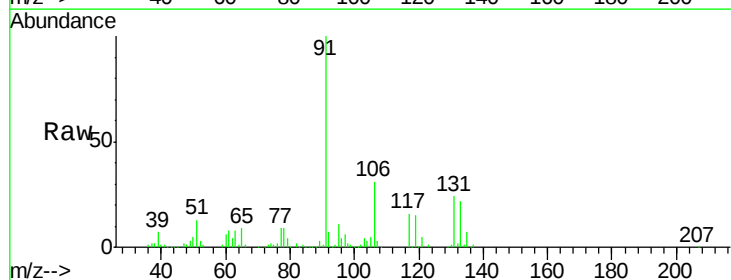
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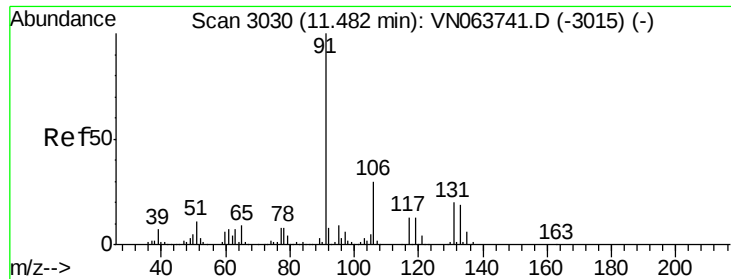
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.178 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion:131 Resp: 56210
Ion Ratio Lower Upper
131 100
133 93.1 47.3 141.8
119 63.3 32.6 97.7





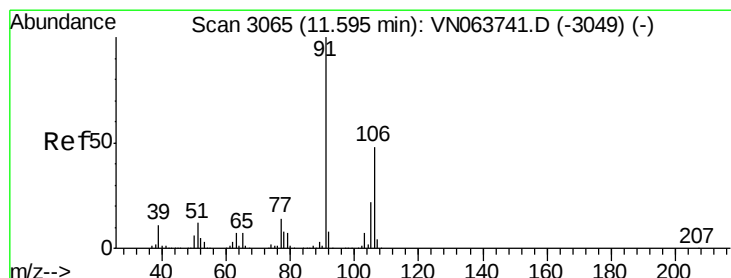
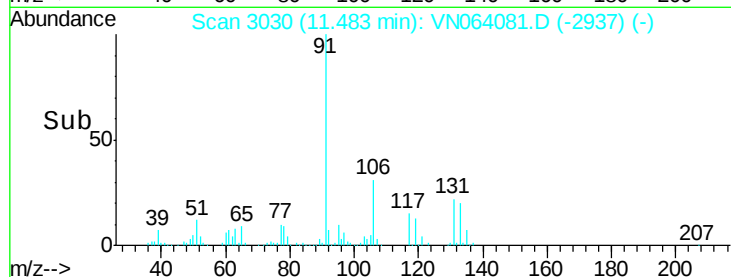
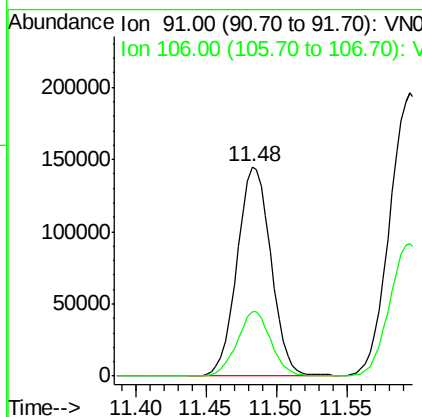
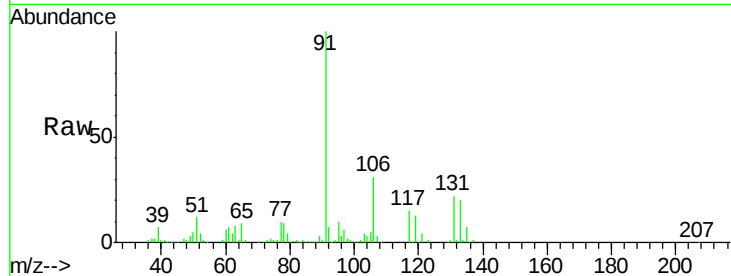
#67
Ethyl Benzene
Concen: 17.599 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 91 Resp: 244833
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2

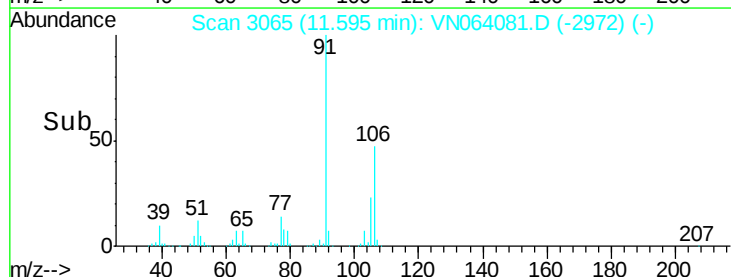
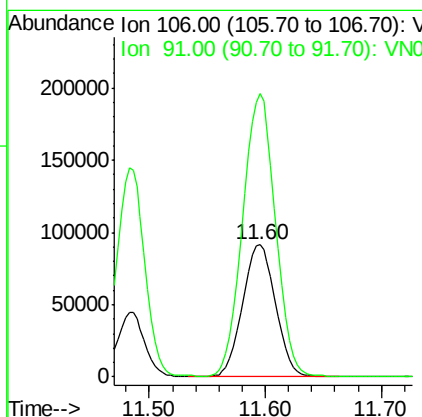
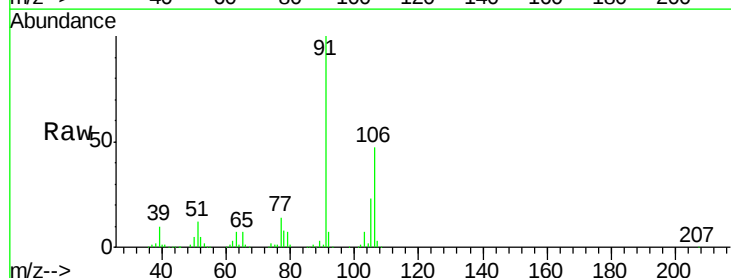
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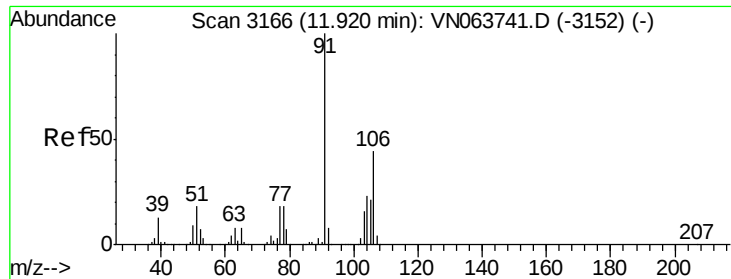
MMDadoda
10/13/2020 4:09:47 PM



#68
m/p-Xylenes
Concen: 34.989 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 106 Resp: 181412
Ion Ratio Lower Upper
106 100
91 211.5 168.0 252.0





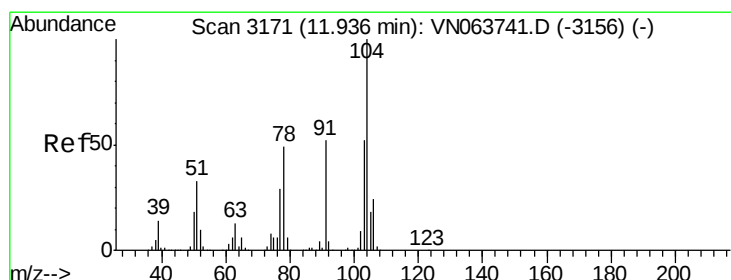
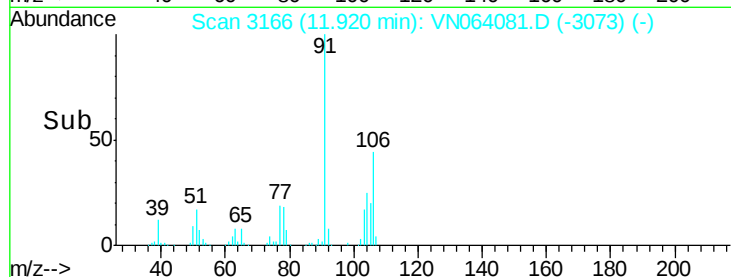
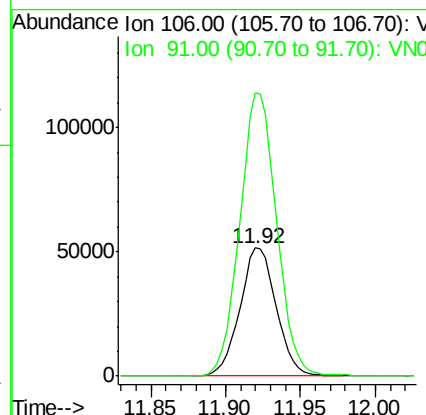
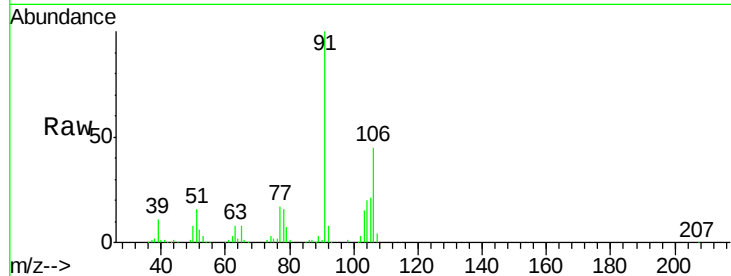
#69
o-Xylene
Concen: 18.039 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.8	112.7	338.0	

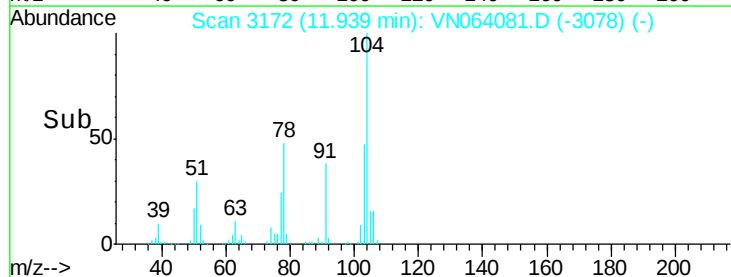
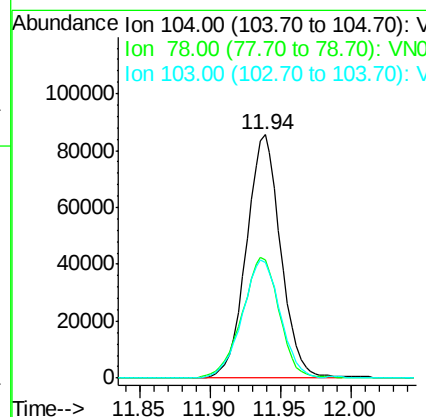
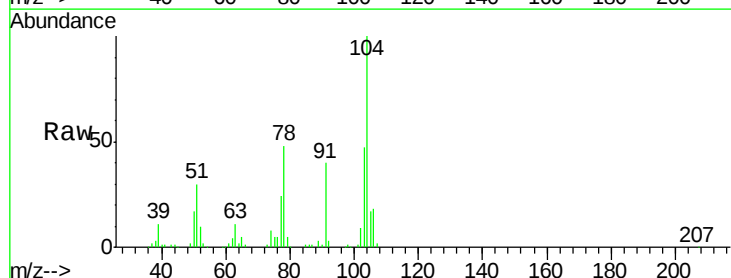
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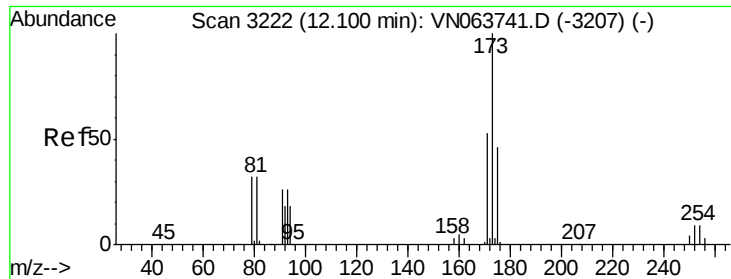
MMDadoda
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#70
Styrene
Concen: 17.744 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.0	44.1	66.1	
103	53.6	44.3	66.5	





#71

Bromoform

Concen: 18.373 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

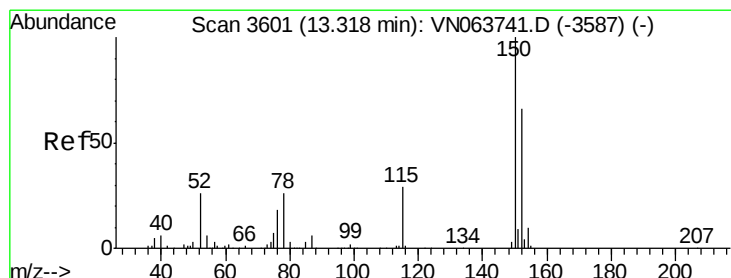
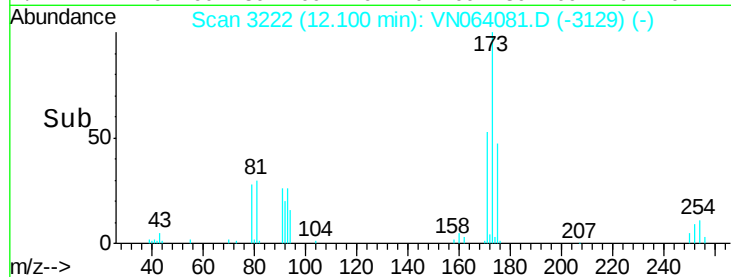
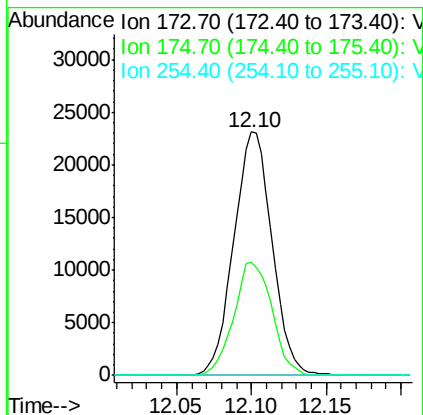
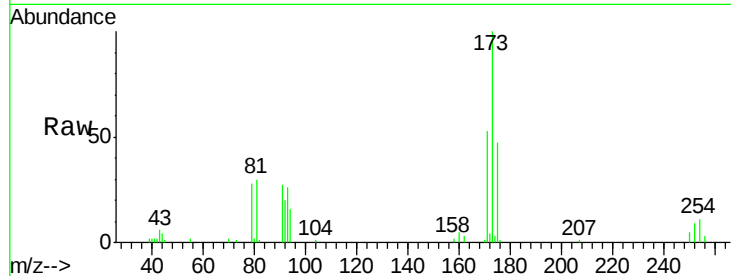
ClientSampleId :

VN1012WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	46.2	23.5	70.5	
254	0.0	0.0	0.0	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

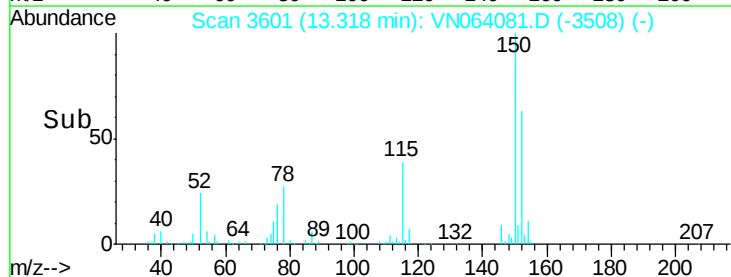
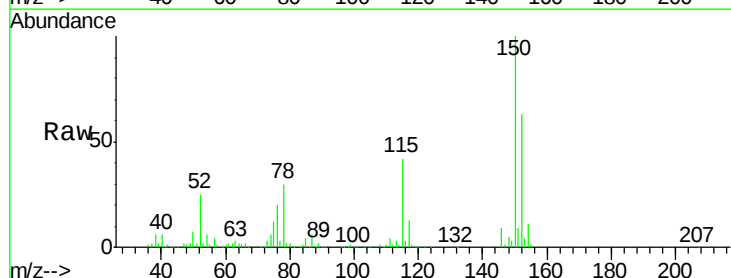
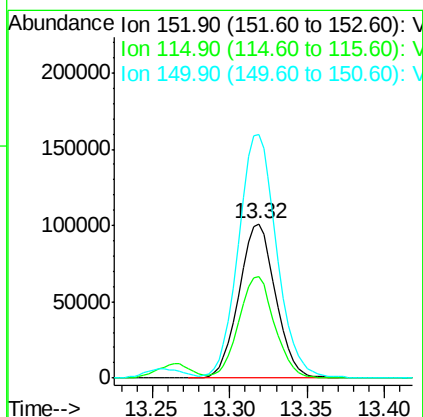
RT: 13.32 min Scan# 3601

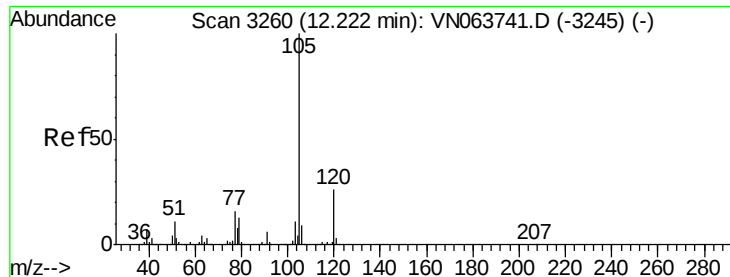
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	64.2	31.3	93.8	
150	165.2	0.0	341.8	





#73

Isopropylbenzene

Concen: 18.962 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 105 Resp: 230347

Ion Ratio Lower Upper

105 100

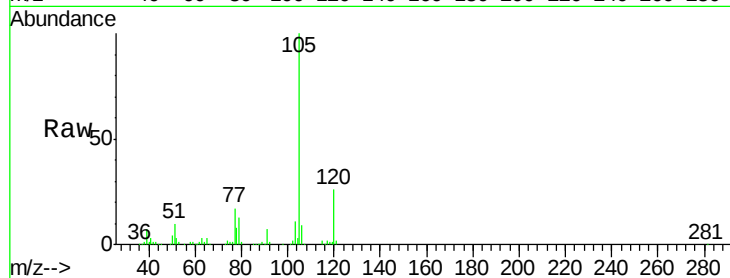
120 24.9 12.6 37.8

Manual Integrations

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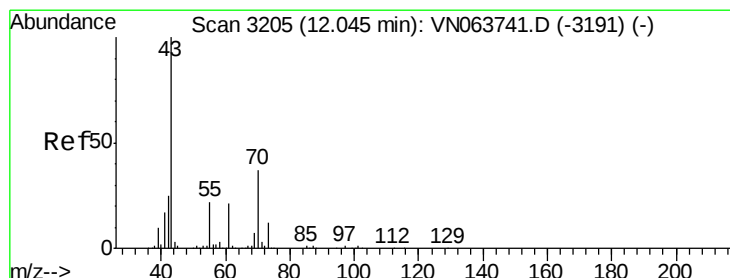
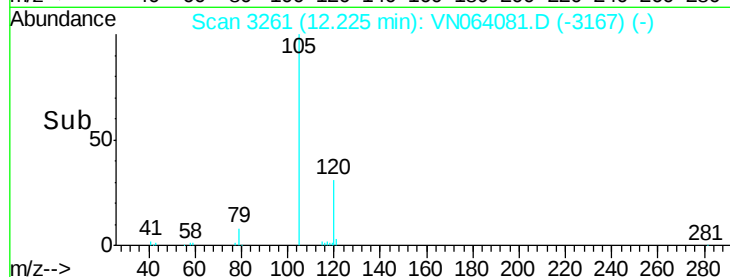
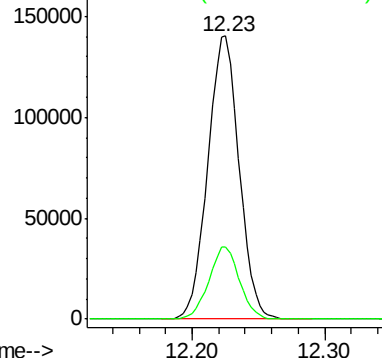
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.947 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion: 43 Resp: 110664

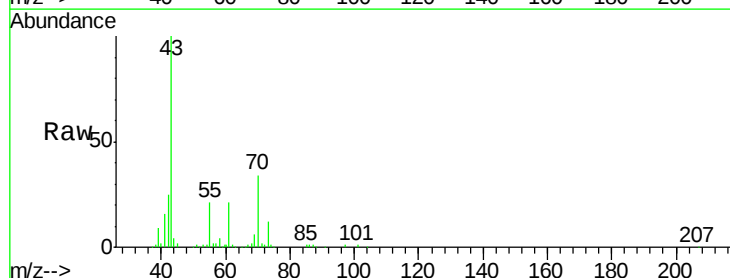
Ion Ratio Lower Upper

43 100

70 35.5 29.8 44.8

55 22.8 17.9 26.9

61 21.2 17.0 25.4

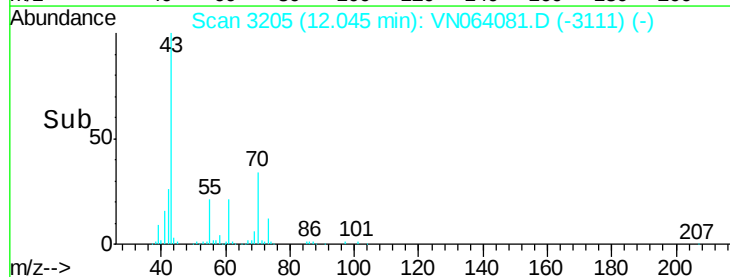
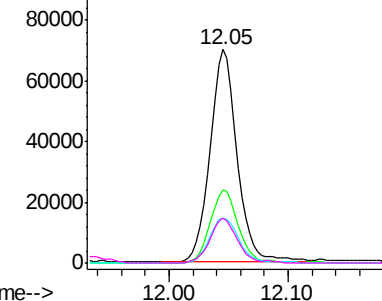


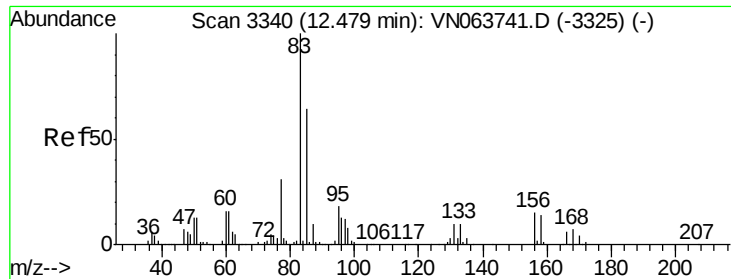
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.993 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 83 Resp: 81699

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

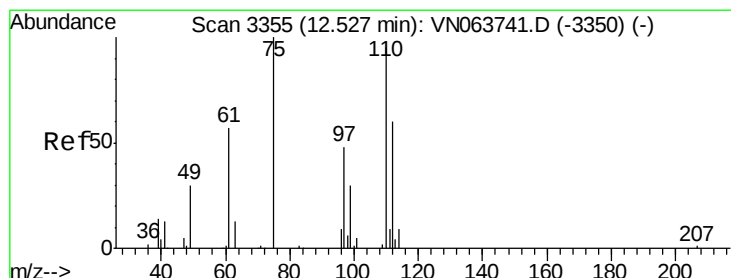
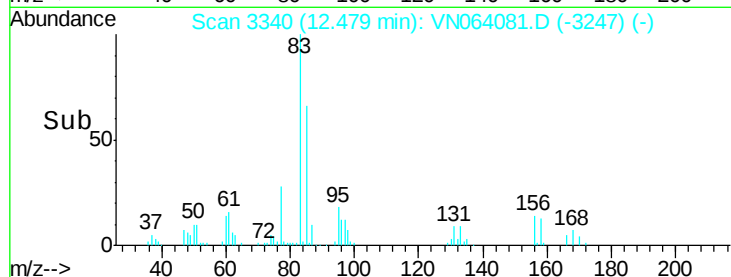
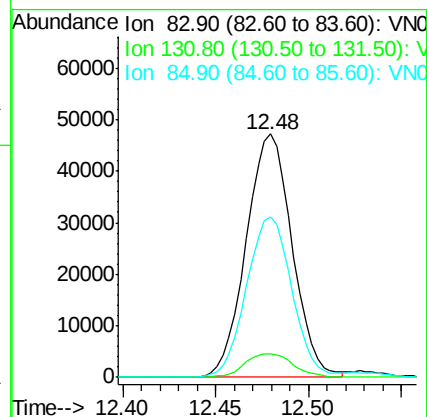
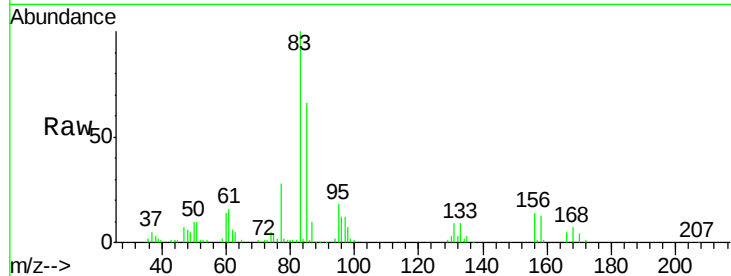
85 65.0 31.3 93.8

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 21.290 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064081.D

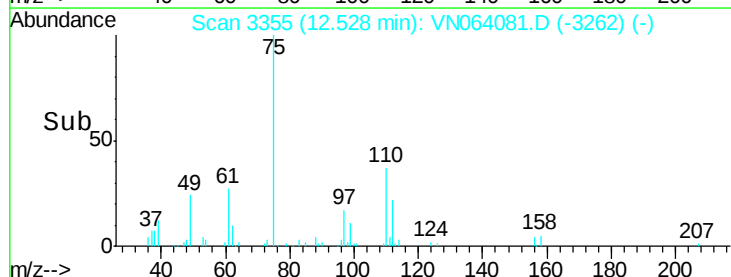
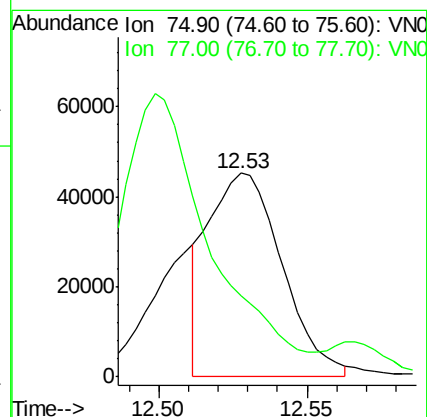
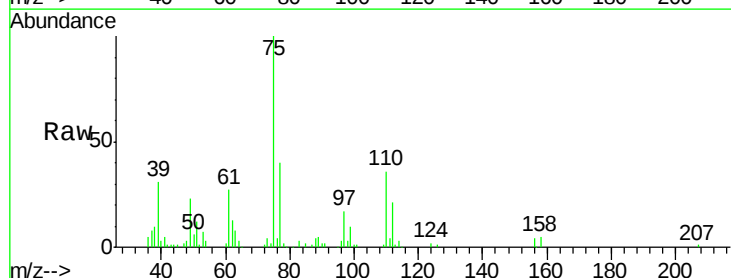
Acq: 12 Oct 2020 16:37

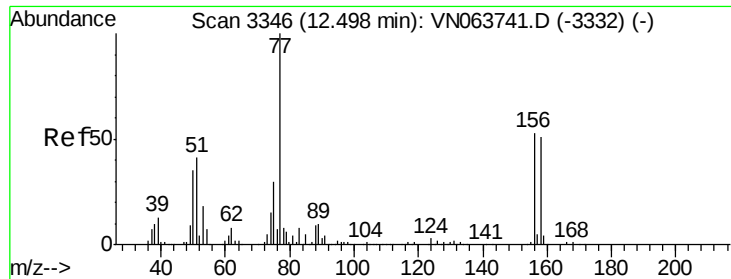
Tgt Ion: 75 Resp: 78163

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.309 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

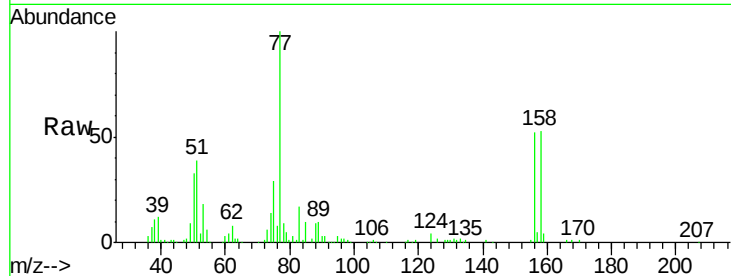
ClientSampleId :

VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.9	110.9	332.7
158	99.8	47.7	143.1

Manual Integrations
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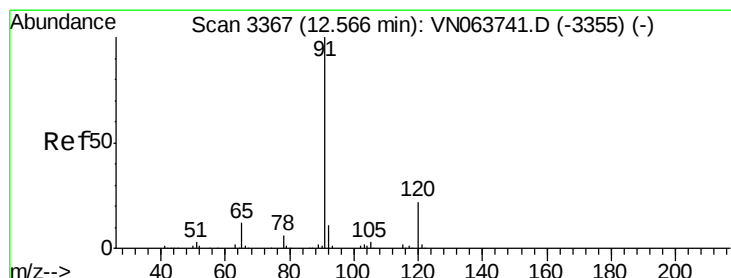
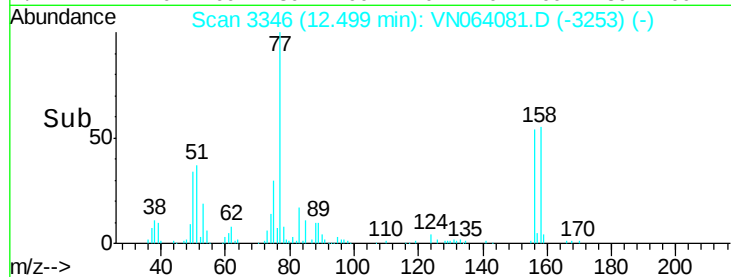
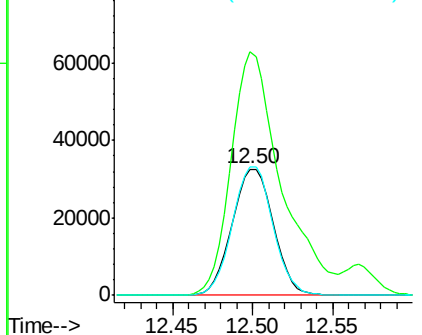
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.806 ug/l

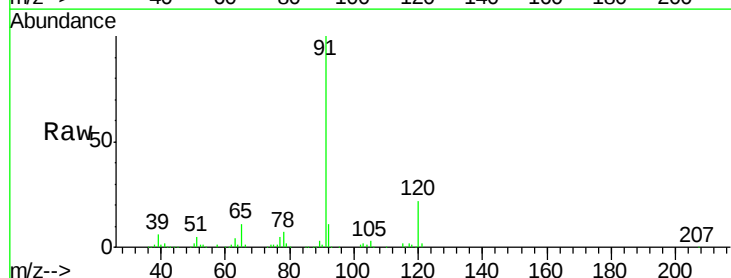
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064081.D

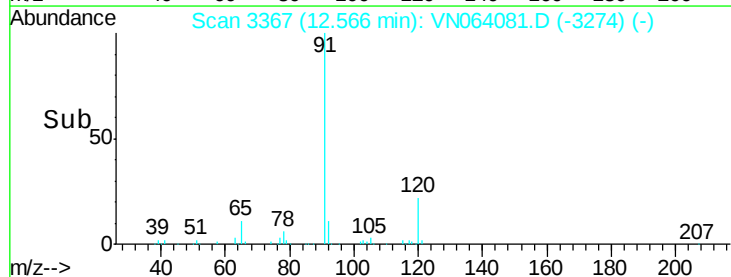
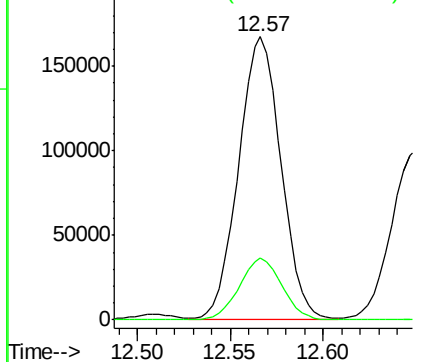
Acq: 12 Oct 2020 16:37

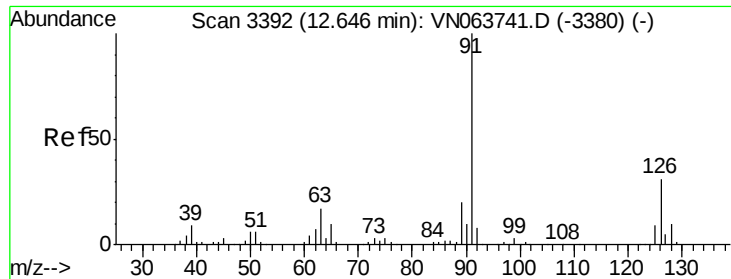
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.271 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

Tot Ion: 91 Resp: 167557

Ion Ratio Lower Upper

91 100

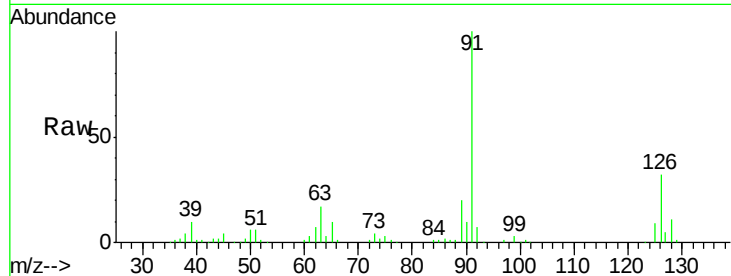
126 31.5 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

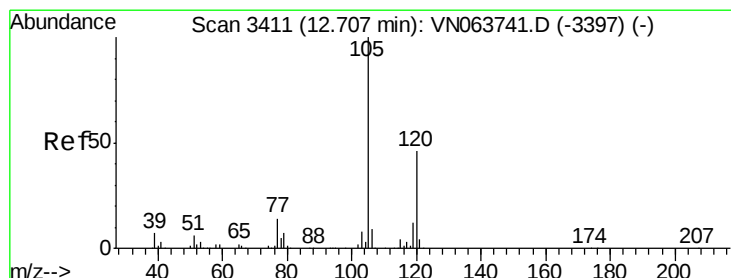
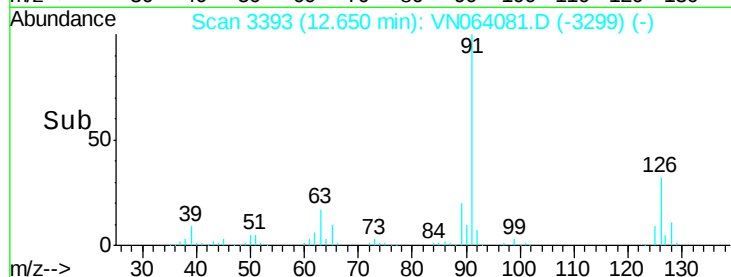
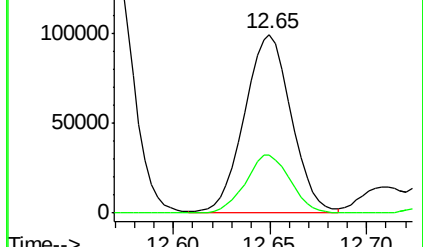
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 18.731 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064081.D

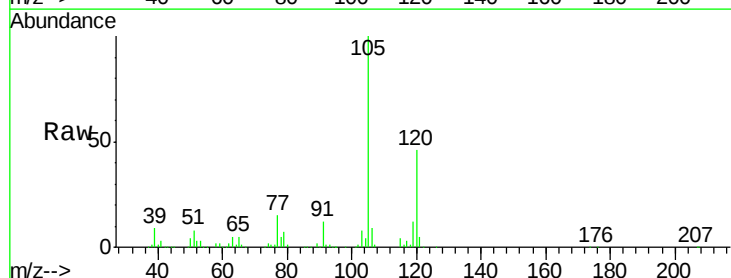
Acq: 12 Oct 2020 16:37

Tgt Ion: 105 Resp: 190894

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

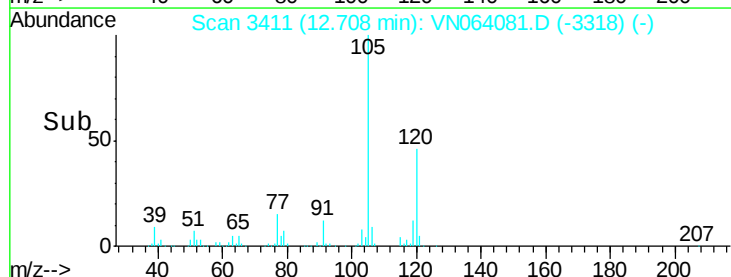
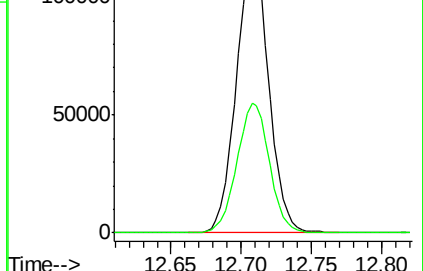
Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

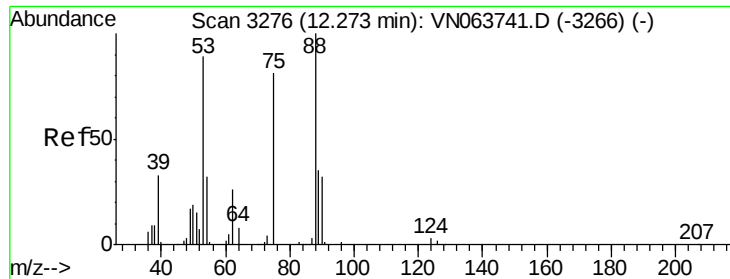
100000

50000

0

12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 21.595 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

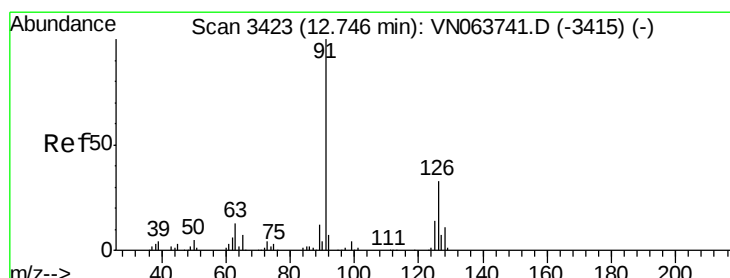
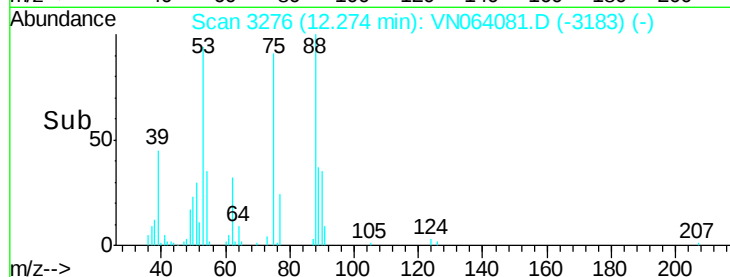
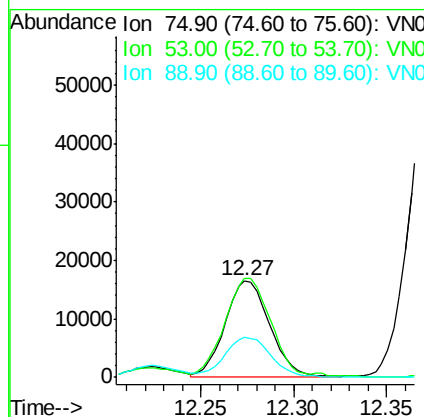
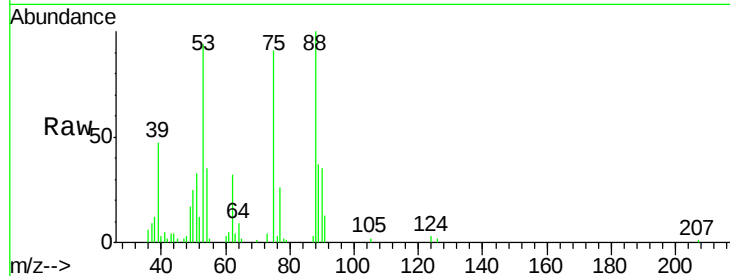
ClientSampleId :

VN1012WBSD01

Tot Ion:	75	Resp:	27527
Ion	Ratio	Lower	Upper
75	100		
53	100.1	88.2	132.2
89	43.0	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.242 ug/l

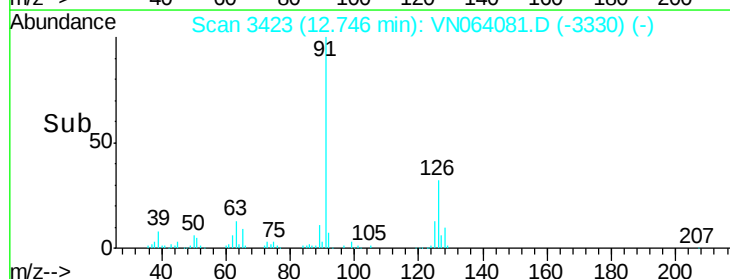
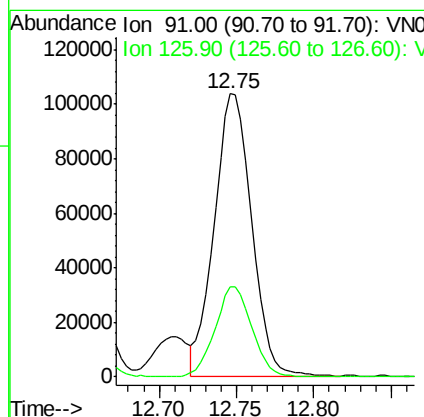
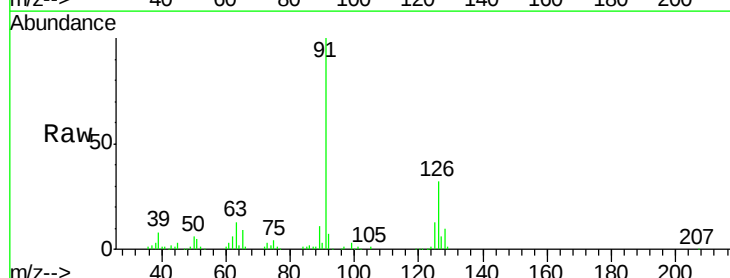
RT: 12.75 min Scan# 3423

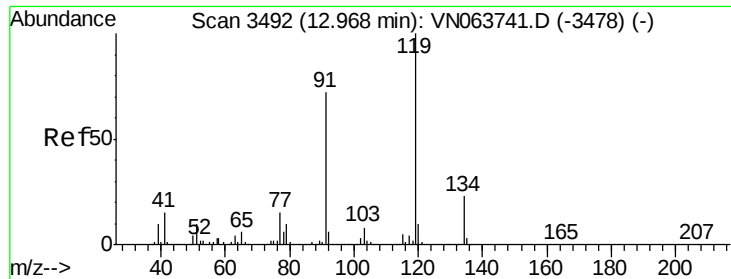
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	91	Resp:	173687
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.2





#83

tert-Butylbenzene

Concen: 18.282 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

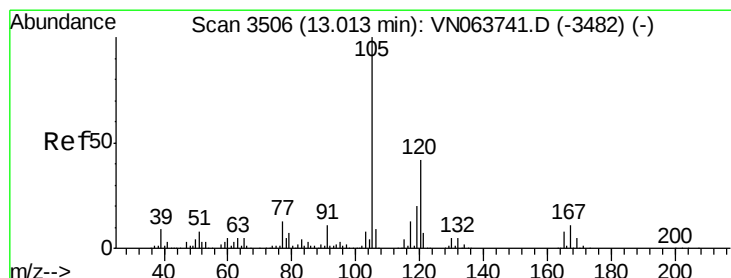
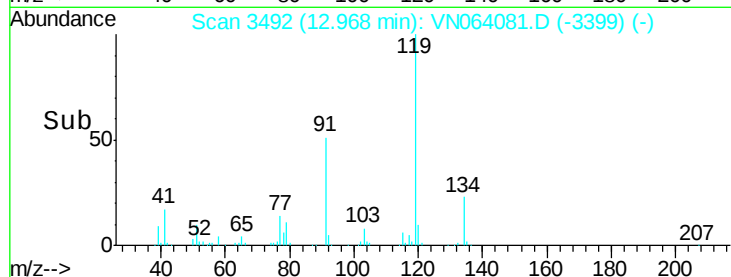
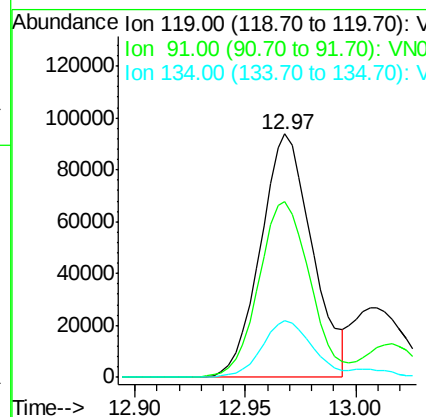
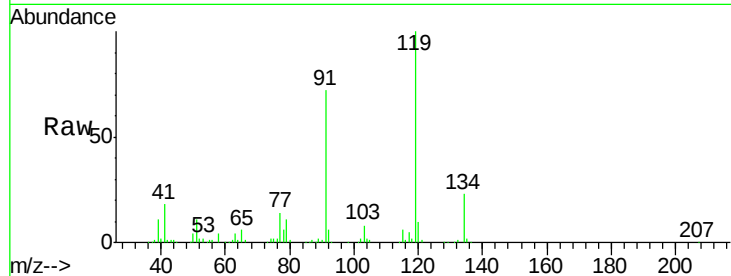
ClientSampleId :

VN1012WBSD01

Tot Ion:	119	Resp:	152406
Ion Ratio	Lower	Upper	
119	100		
91	71.7	35.5	106.5
134	23.0	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.920 ug/l

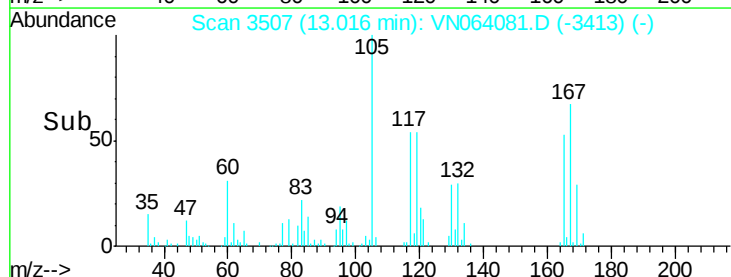
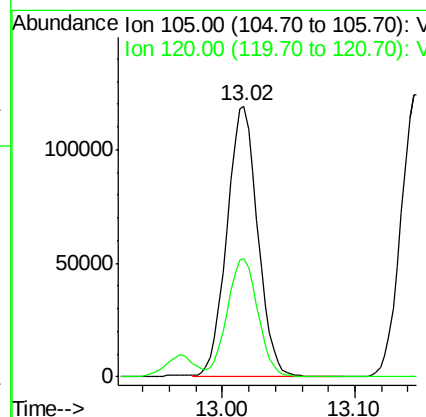
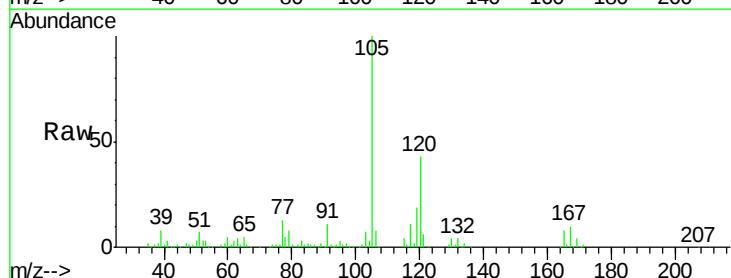
RT: 13.02 min Scan# 3507

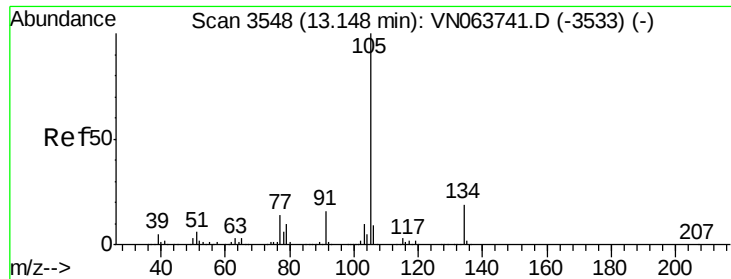
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	105	Resp:	192515
Ion Ratio	Lower	Upper	
105	100		
120	42.9	20.9	62.7





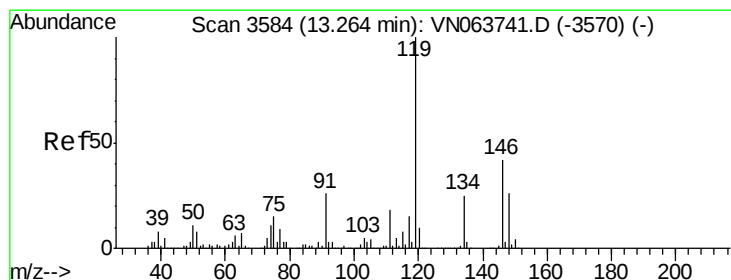
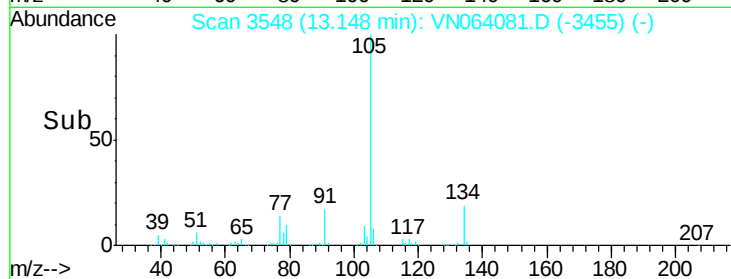
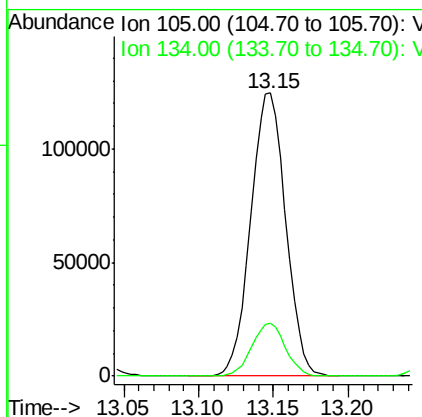
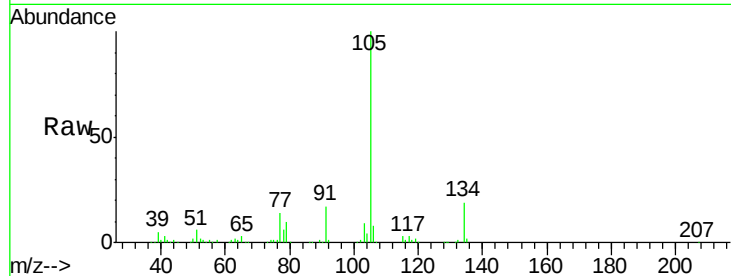
#85
 sec-Butylbenzene
 Concen: 18.538 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	202982		
134	18.0	9.5	28.5	

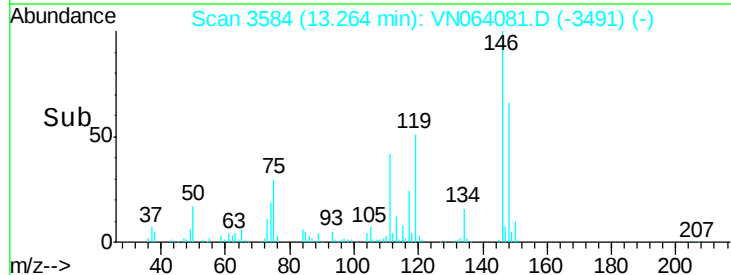
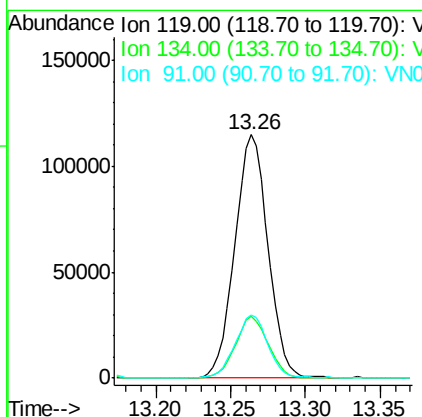
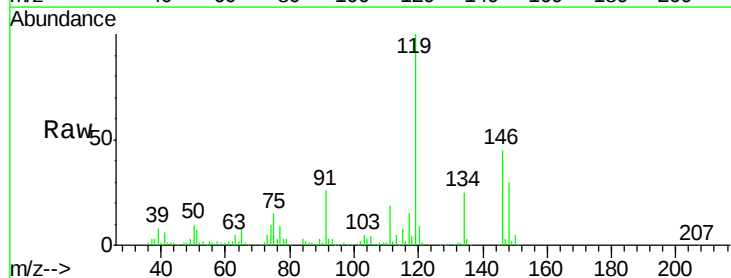
Manual Integrations
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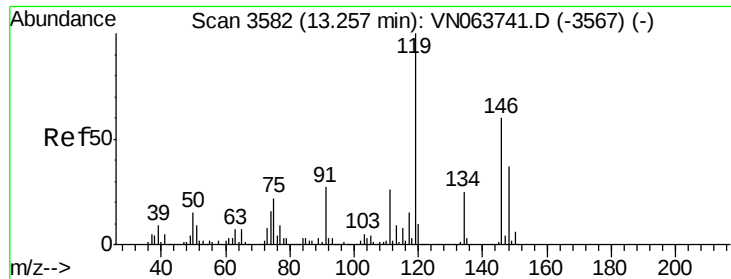
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#86
 p-Isopropyltoluene
 Concen: 18.310 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177360		
134	25.3	12.6	37.8	
91	25.9	13.4	40.2	





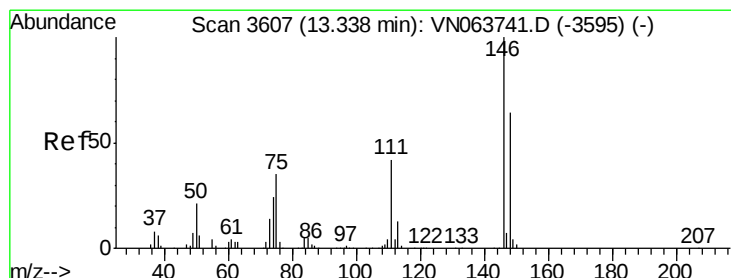
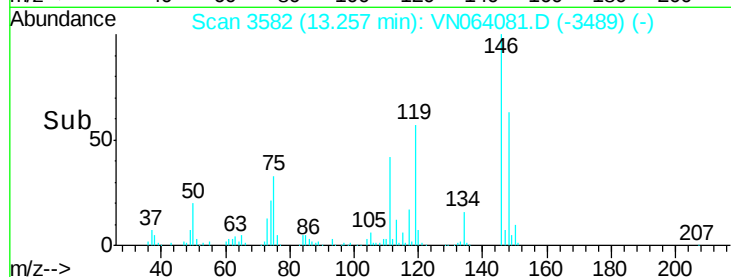
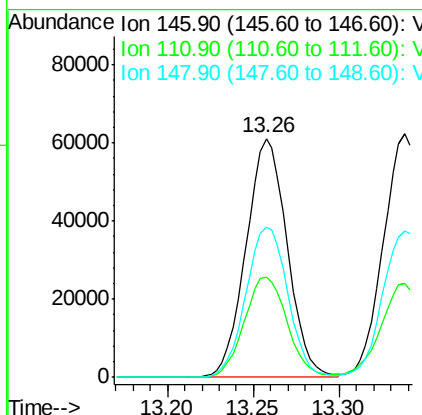
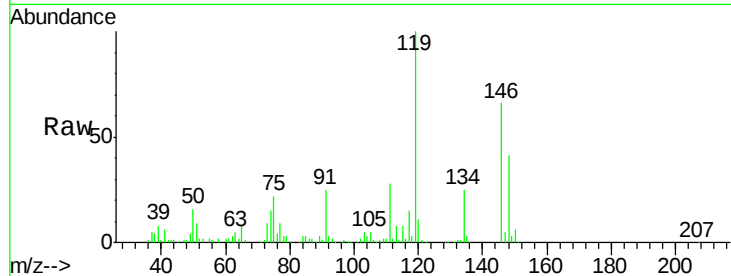
#87
 1,3-Dichlorobenzene
 Concen: 18.850 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101652		
111	43.8	21.5	64.5	
148	63.9	31.1	93.3	

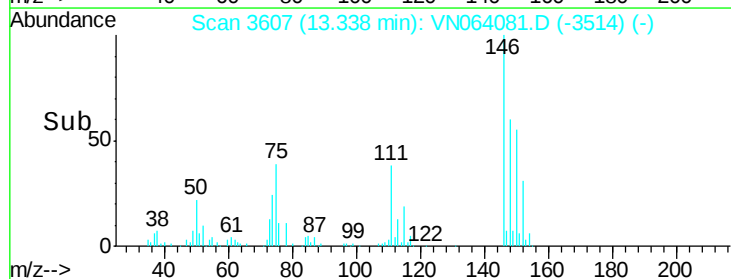
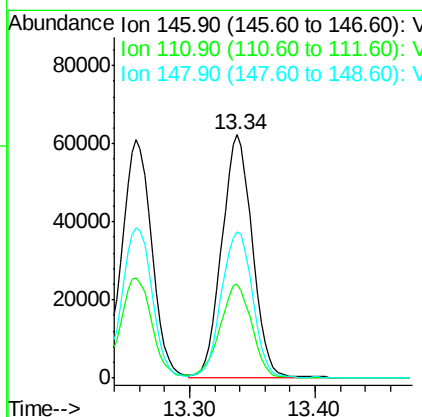
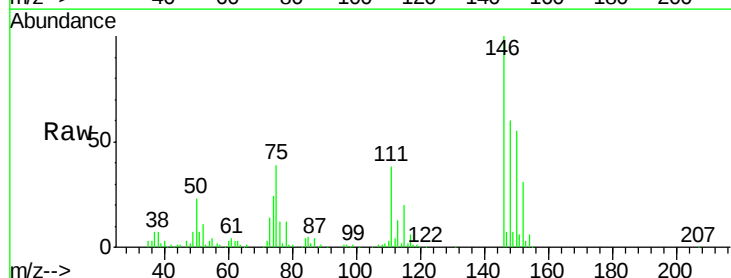
Manual Integrations
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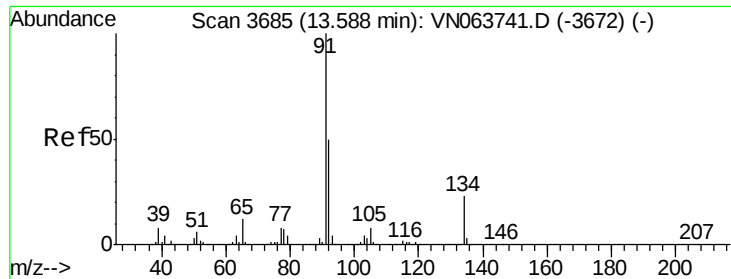
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#88
 1,4-Dichlorobenzene
 Concen: 18.809 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105610		
111	40.3	21.3	63.7	
148	60.6	32.0	96.0	





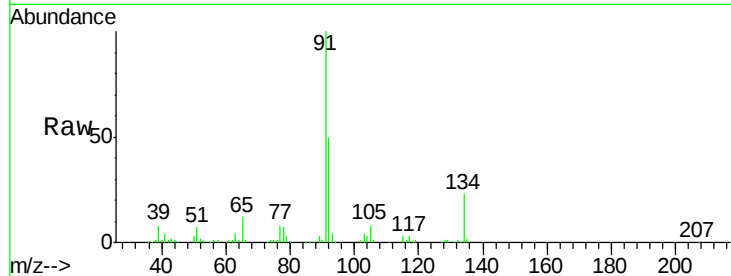
#89
n-Butylbenzene
Concen: 16.698 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

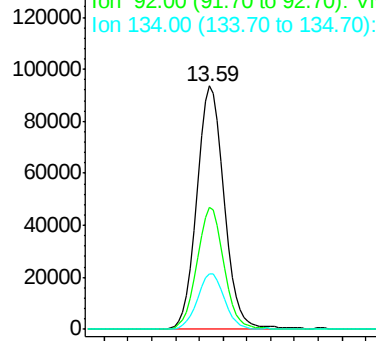
Tot Ion	Ratio	Lower	Upper
91	100		
92	49.2	25.4	76.4
134	22.6	11.7	35.1

Manual Integrations
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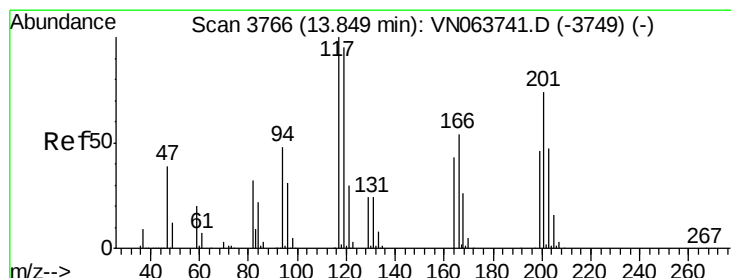
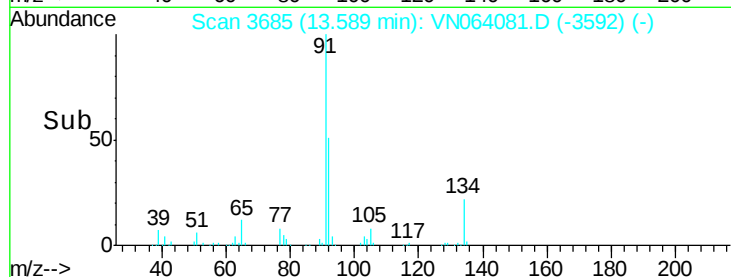
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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3672) (-)
Ion 92.00 (91.70 to 92.70): VN063741.D (-3672) (-)
Ion 134.00 (133.70 to 134.70): VN063741.D (-3672) (-)

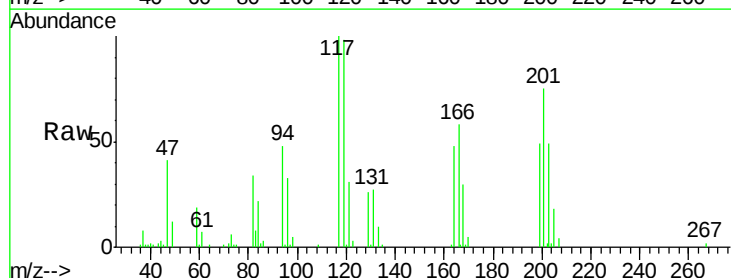


Time-->

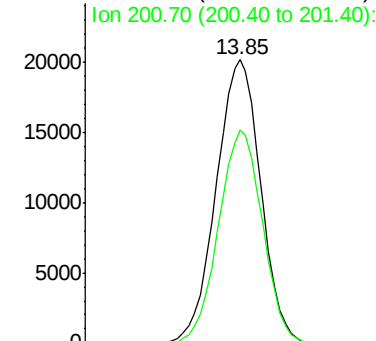


#90
Hexachloroethane
Concen: 18.659 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

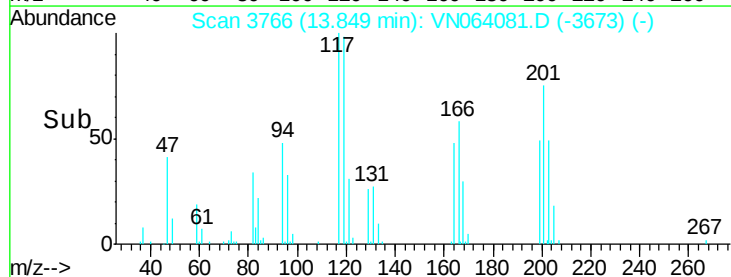
Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	36.0	108.0

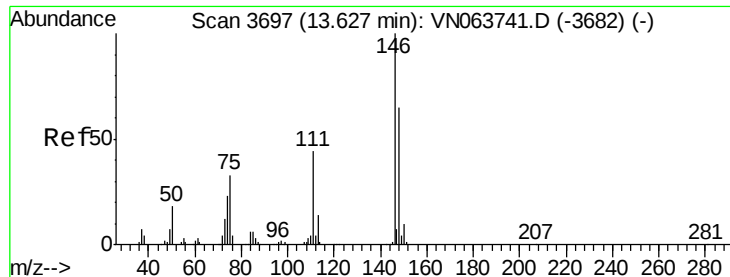


Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN063741.D (-3749) (-)



Time-->





#91

1,2-Dichlorobenzene

Concen: 19.193 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

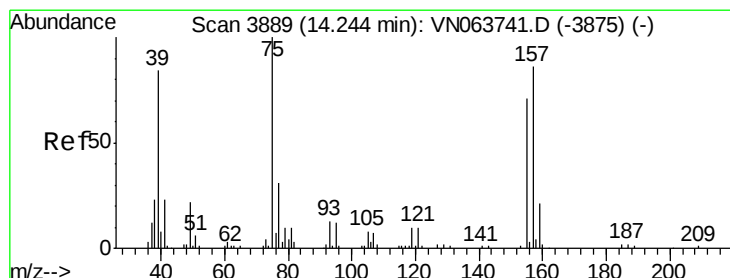
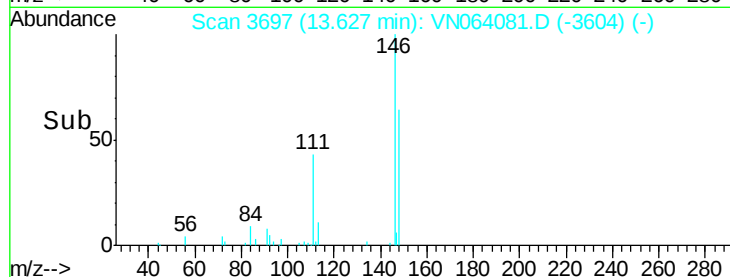
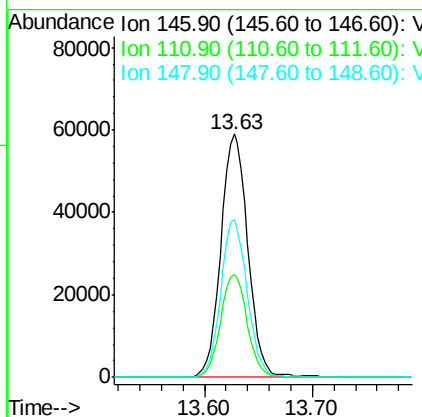
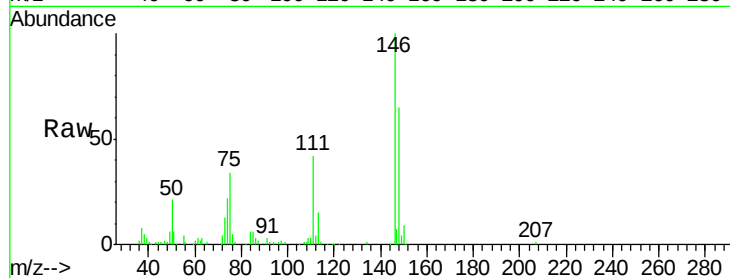
ClientSampleId :

VN1012WBSD01

Tot Ion:	146	Resp:	102515
Ion Ratio	Lower	Upper	
146	100		
111	41.7	22.2	66.6
148	63.3	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.105 ug/l

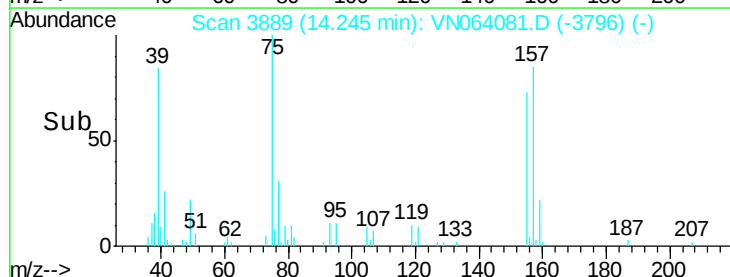
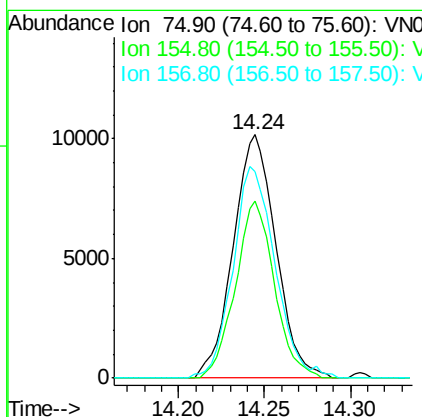
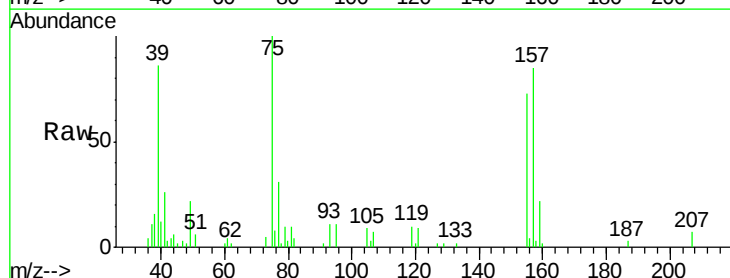
RT: 14.24 min Scan# 3889

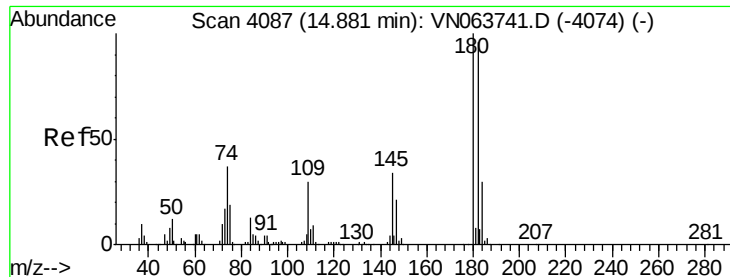
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	75	Resp:	17515
Ion Ratio	Lower	Upper	
75	100		
155	66.4	34.8	104.5
157	86.0	43.7	131.1





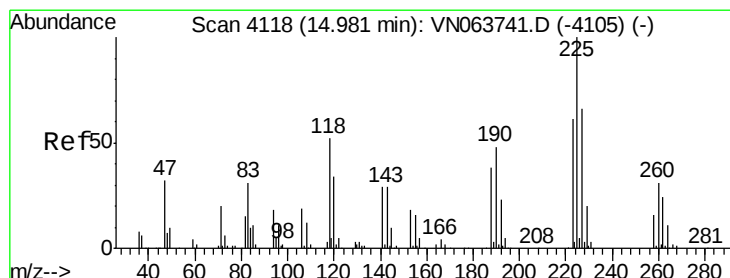
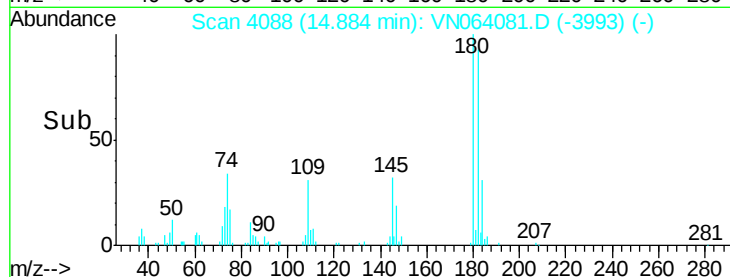
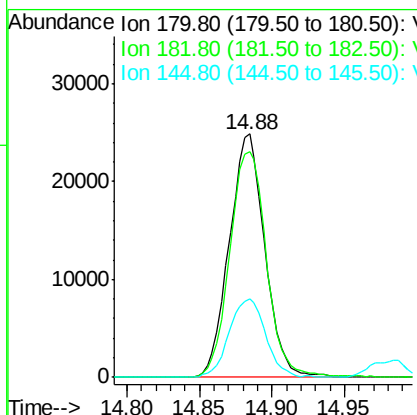
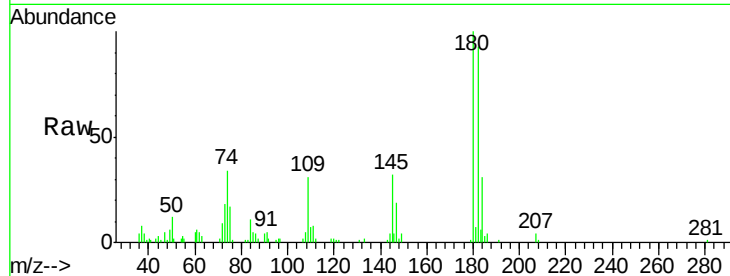
#93
 1,2,4-Trichlorobenzene
 Concen: 15.762 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.2	144.6
145	33.0	17.1	51.2

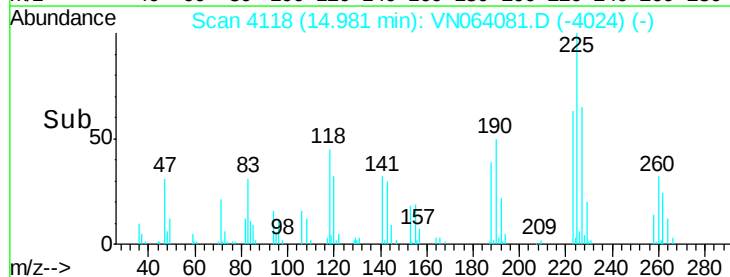
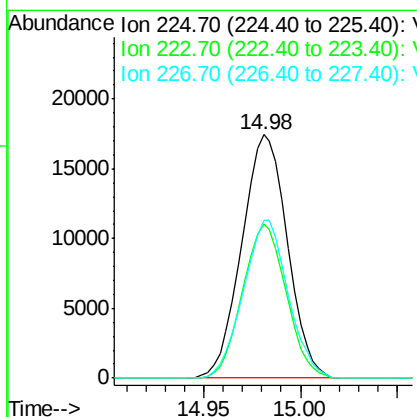
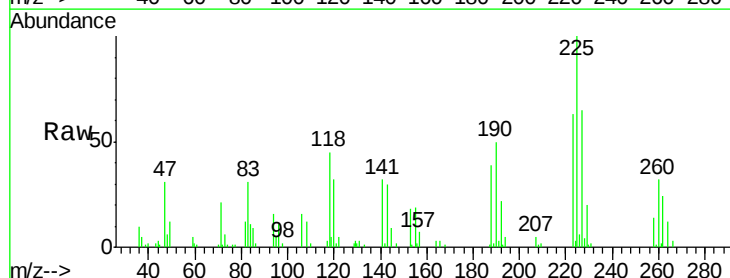
Manual Integrations
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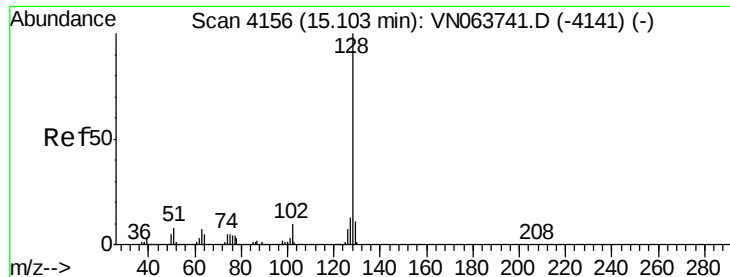
MMDadoda
 10/13/2020 4:09:47 PM



#94
 Hexachlorobutadiene
 Concen: 19.809 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.3	91.0
227	63.5	31.9	95.5





#95

Naphthalene

Concen: 15.415 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

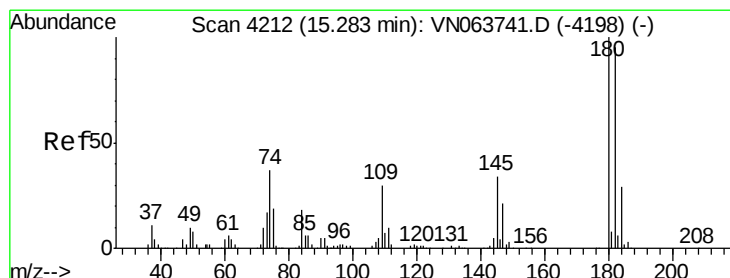
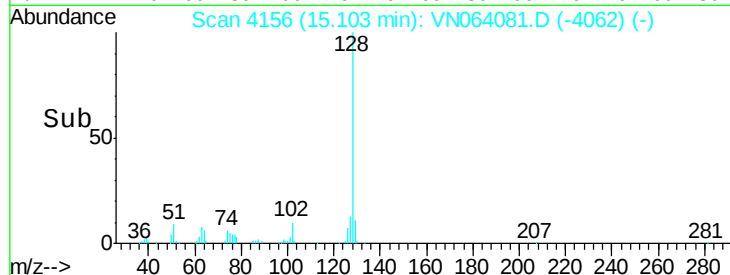
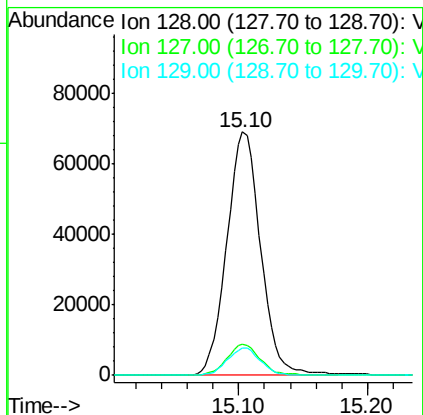
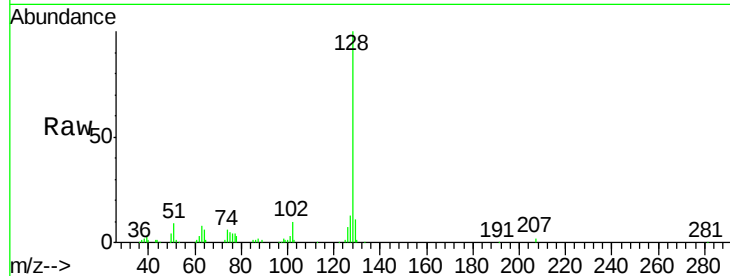
ClientSampleId :

VN1012WBSD01

Tot Ion:	128	Resp:	126086
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 16.446 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion:	180	Resp:	43267
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.6
145	35.6	17.2	51.5

