

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101320\
 Data File : VN064101.D
 Acq On : 13 Oct 2020 15:10
 Operator : JC/MD
 Sample : VN1013WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:09:12 PM

Quant Time: Oct 14 04:05:49 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	236976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	186007	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
35) Dibromofluoromethane	7.55	113	131240	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
50) Toluene-d8	10.06	98	484796	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.38	95	172451	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37353	14.938	ug/l	100
3) Chloromethane	2.04	50	48790	16.629	ug/l	97
4) Vinyl Chloride	2.16	62	48517	16.474	ug/l	96
5) Bromomethane	2.53	94	33389	18.024	ug/l	93
6) Chloroethane	2.67	64	31046	17.641	ug/l	97
7) Trichlorofluoromethane	2.98	101	78154	16.732	ug/l	93
8) Diethyl Ether	3.37	74	31446	19.907	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44938	18.000	ug/l	95
10) Methyl Iodide	3.91	142	52001	17.939	ug/l	98
11) Tert butyl alcohol	4.72	59	54819	126.828	ug/l	97
12) 1,1-Dichloroethene	3.69	96	40237	16.862	ug/l	93
13) Acrolein	3.57	56	17619	66.417	ug/l	99
14) Allyl chloride	4.28	41	82219	18.546	ug/l	96
15) Acrylonitrile	4.93	53	141301	114.207	ug/l	99
16) Acetone	3.78	43	132318	109.792	ug/l	98
17) Carbon Disulfide	4.01	76	103988	16.597	ug/l	100
18) Methyl Acetate	4.28	43	77407	24.738	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	173451	20.007	ug/l	97
20) Methylene Chloride	4.50	84	56071	20.371	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	47454	17.754	ug/l	92
22) Diisopropyl ether	5.90	45	197205	21.620	ug/l	97
23) Vinyl Acetate	5.84	43	781123	103.383	ug/l	100
24) 1,1-Dichloroethane	5.79	63	102393	19.633	ug/l	99
25) 2-Butanone	6.78	43	202343	118.424	ug/l	99
26) 2,2-Dichloropropane	6.77	77	83980	17.584	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	57182	18.601	ug/l	99
28) Bromochloromethane	7.15	49	52574	20.396	ug/l	99
29) Tetrahydrofuran	7.16	42	136982	119.534	ug/l	95
30) Chloroform	7.32	83	104765	19.266	ug/l	95
31) Cyclohexane	7.61	56	79258	17.438	ug/l	# 93
32) 1,1,1-Trichloroethane	7.53	97	91070	18.567	ug/l	97
36) 1,1-Dichloropropene	7.75	75	70642	18.031	ug/l	98
37) Ethyl Acetate	6.88	43	78477	20.161	ug/l	100
38) Carbon Tetrachloride	7.73	117	75825	17.259	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	62368	15.963	ug/l	95
40) Benzene	8.00	78	213298	19.061	ug/l	98
41) Methacrylonitrile	7.12	41	31076	17.963	ug/l #	72
42) 1,2-Dichloroethane	8.09	62	90943	19.039	ug/l	98
43) Isopropyl Acetate	8.13	43	138463	21.566	ug/l #	91
44) Trichloroethene	8.80	130	52614	17.945	ug/l	97
45) 1,2-Dichloropropane	9.08	63	60856	20.137	ug/l	98
46) Dibromomethane	9.17	93	40879	19.608	ug/l	96
47) Bromodichloromethane	9.37	83	82465	19.192	ug/l	96
48) Methyl methacrylate	9.16	41	65631	20.690	ug/l	95
49) 1,4-Dioxane	9.17	88	21565	478.347	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	431564	114.540	ug/l	99
52) Toluene	10.12	92	134088	19.372	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	87809	19.065	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93894	19.493	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	55146	19.867	ug/l	98
56) Ethyl methacrylate	10.40	69	78050	19.837	ug/l	95
57) 1,3-Dichloropropane	10.68	76	93434	19.896	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	223453	106.171	ug/l	99
59) 2-Hexanone	10.72	43	309604	110.614	ug/l	100
60) Dibromochloromethane	10.87	129	60971	18.861	ug/l	99
61) 1,2-Dibromoethane	10.98	107	57935	20.404	ug/l	100
64) Tetrachloroethene	10.60	164	48194	17.122	ug/l	98
65) Chlorobenzene	11.41	112	141507	18.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	56002	19.574	ug/l	98
67) Ethyl Benzene	11.48	91	243216	17.910	ug/l	99
68) m/p-Xylenes	11.59	106	181835	35.928	ug/l	100
69) o-Xylene	11.92	106	86210	18.224	ug/l	99
70) Styrene	11.94	104	145717	18.147	ug/l	99
71) Bromoform	12.10	173	40710	18.605	ug/l #	98
73) Isopropylbenzene	12.23	105	229302	19.479	ug/l	100
74) N-amyl acetate	12.04	43	107542	21.000	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81102	22.530	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	77869m	21.888	ug/l	
77) Bromobenzene	12.50	156	57207	19.805	ug/l	94
78) n-propylbenzene	12.57	91	259878	18.969	ug/l	99
79) 2-Chlorotoluene	12.65	91	168485	19.997	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	192505	19.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	26111	21.138	ug/l	98
82) 4-Chlorotoluene	12.75	91	174032	19.897	ug/l	98
83) tert-Butylbenzene	12.97	119	153216	18.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	191770	19.449	ug/l	98
85) sec-Butylbenzene	13.15	105	200542	18.901	ug/l	99
86) p-Isopropyltoluene	13.26	119	177328	18.892	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101488	19.421	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	97784	17.972	ug/l	97
89) n-Butylbenzene	13.59	91	142520	16.451	ug/l	98
90) Hexachloroethane	13.85	117	36494	20.064	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	101766	19.662	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17579	20.823	ug/l	99

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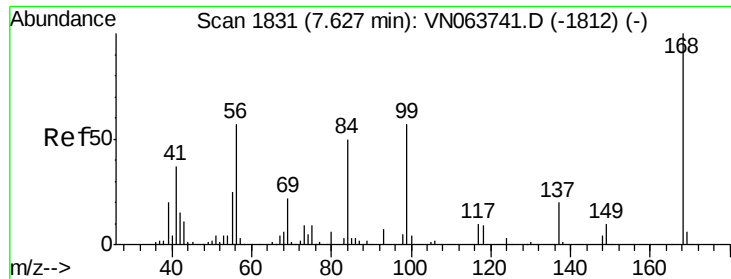
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42209	16.213	ug/l	98
94) Hexachlorobutadiene	14.98	225	27221	19.438	ug/l	96
95) Naphthalene	15.11	128	122362	15.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	42137	16.520	ug/l	99

(#) = 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: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion:168 Resp: 236976

Ion Ratio Lower Upper

168 100

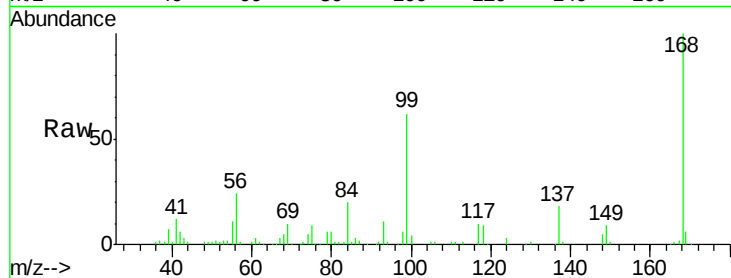
99 61.3 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

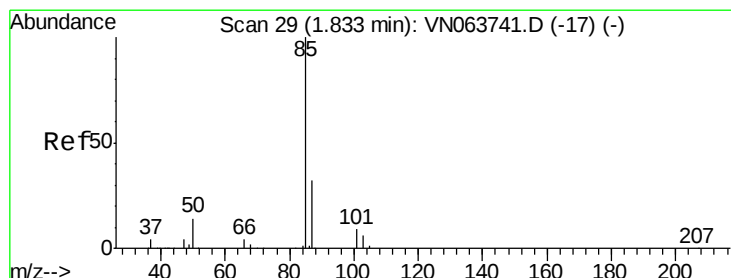
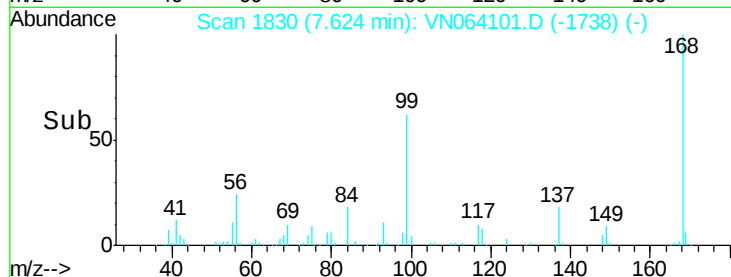
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.938 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064101.D

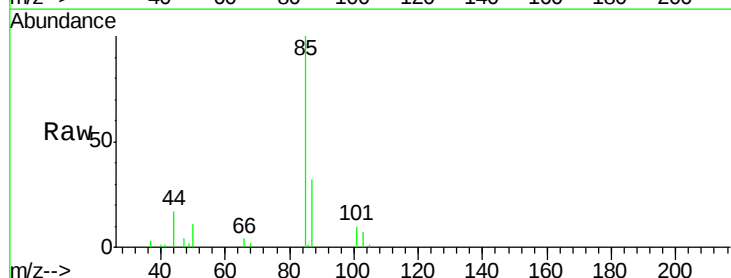
Acq: 13 Oct 2020 15:10

Tgt Ion: 85 Resp: 37353

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

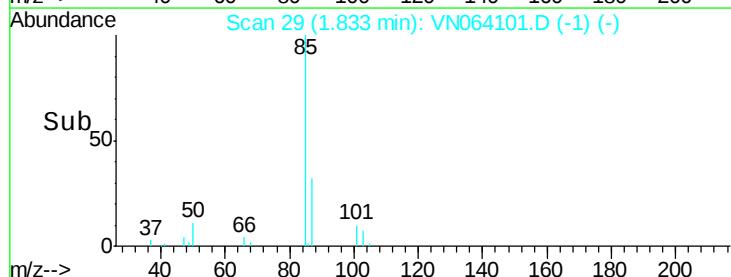
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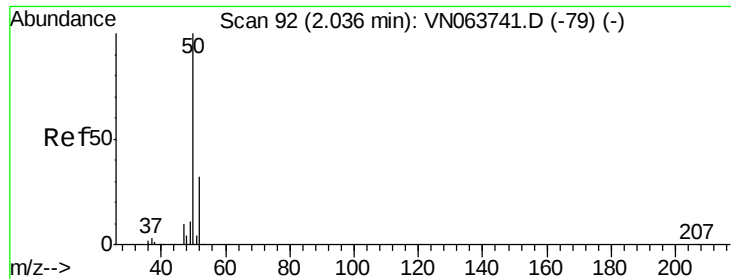
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.629 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 50 Resp: 48790

Ion Ratio Lower Upper

50 100

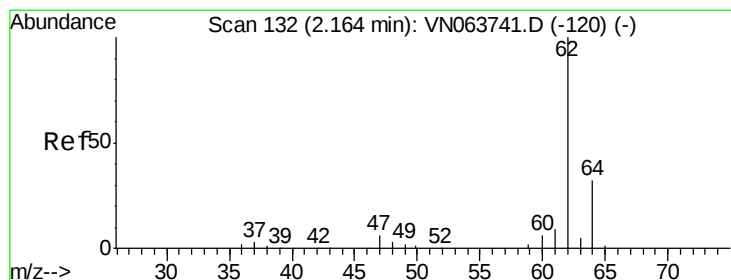
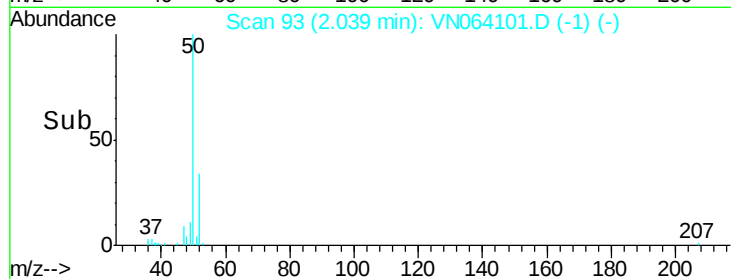
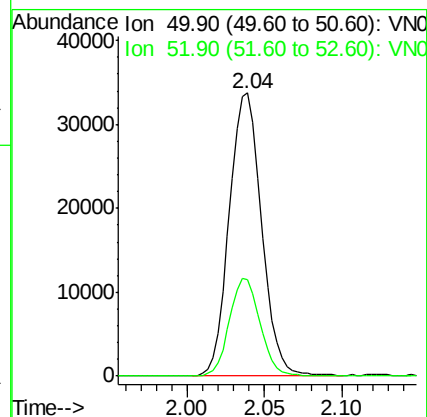
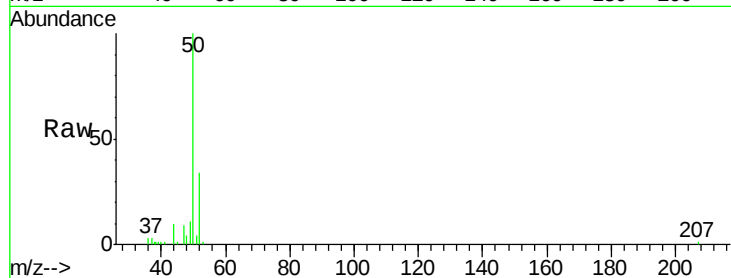
52 34.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.474 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064101.D

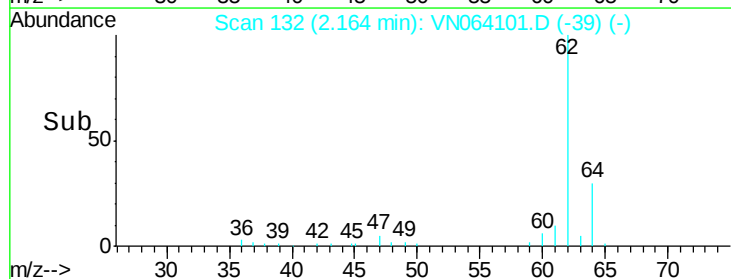
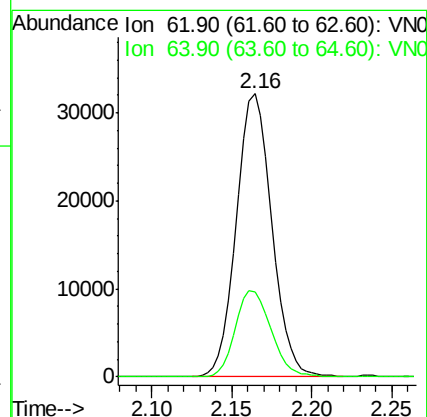
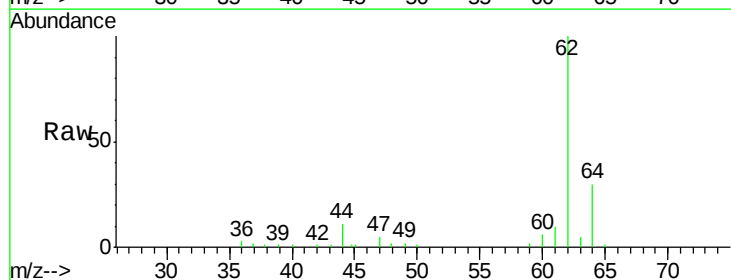
Acq: 13 Oct 2020 15:10

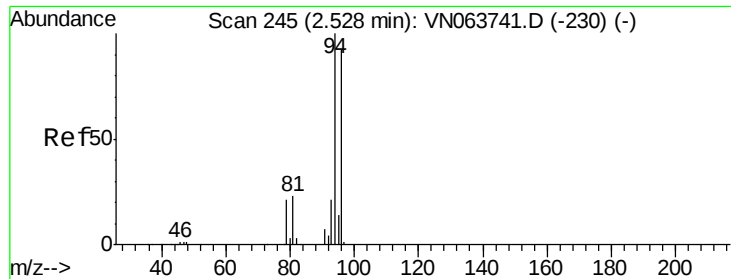
Tgt Ion: 62 Resp: 48517

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4





#5

Bromomethane

Concen: 18.024 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

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ClientSampleId :

VN1013WBSD01

Tot Ion: 94 Resp: 33389

Ion Ratio Lower Upper

94 100

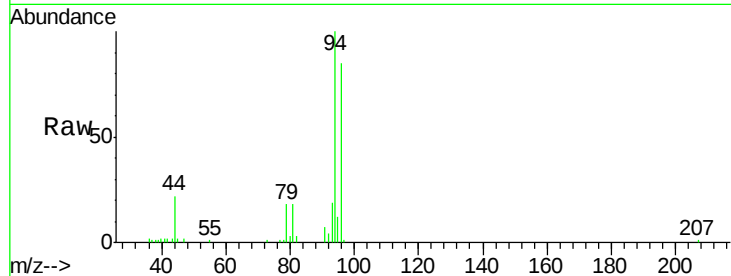
96 84.7 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

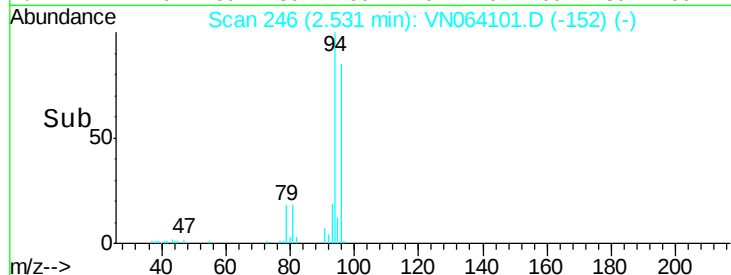
15000

10000

5000

0

Time-->



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

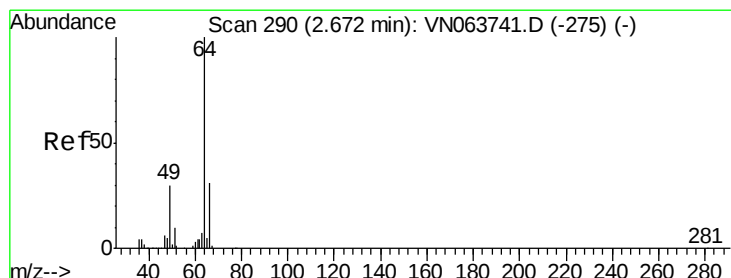
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.641 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064101.D

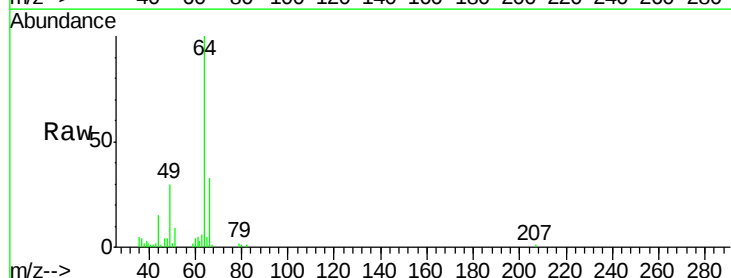
Acq: 13 Oct 2020 15:10

Tgt Ion: 64 Resp: 31046

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

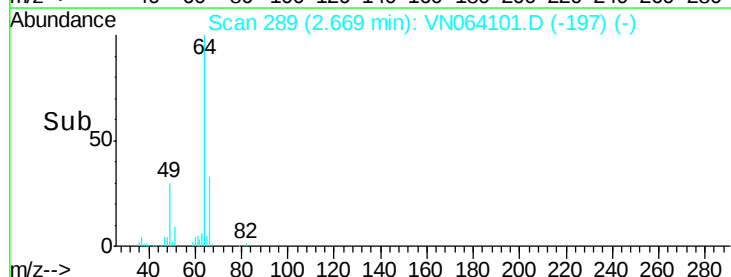
15000

10000

5000

0

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

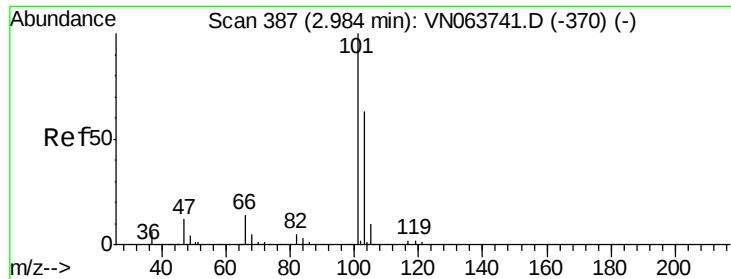
15000

10000

5000

0

Time-->



#7

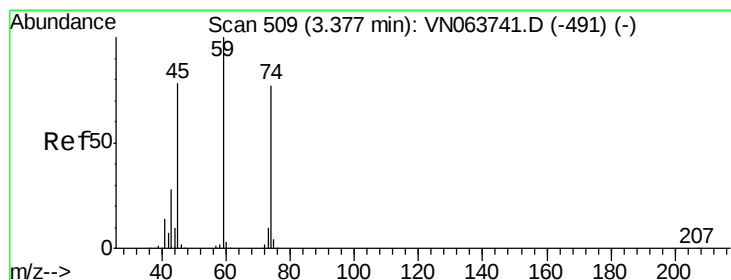
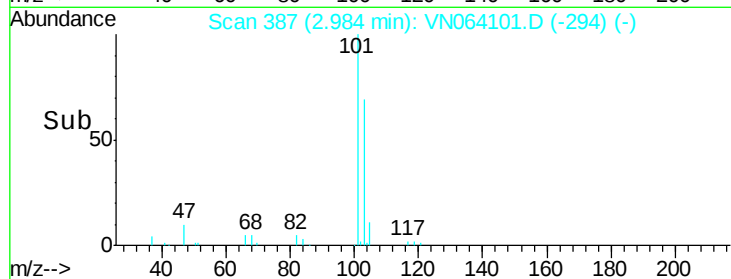
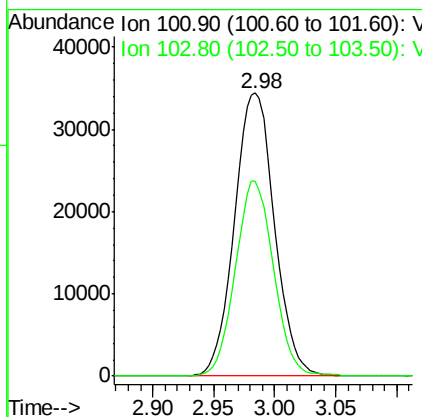
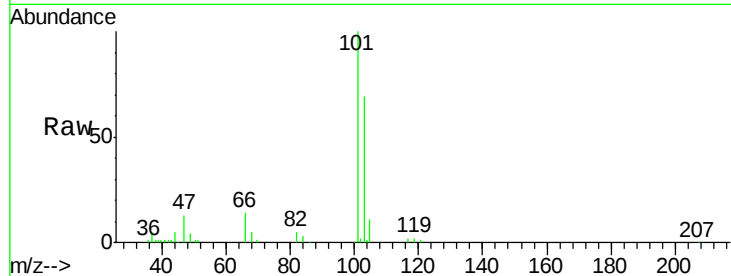
Trichlorofluoromethane
Concen: 16.732 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	50.7	76.1

Manual Integrations
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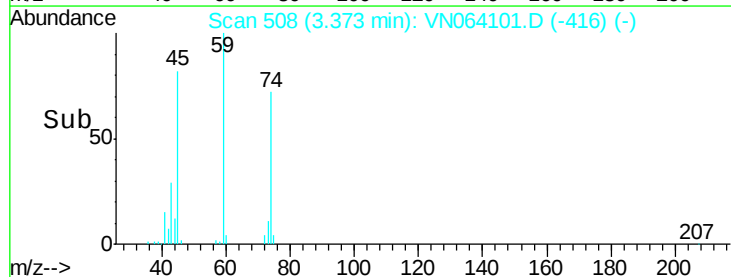
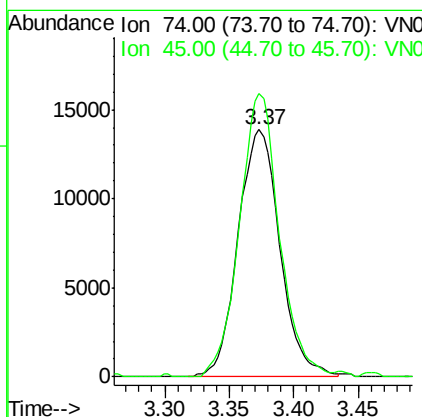
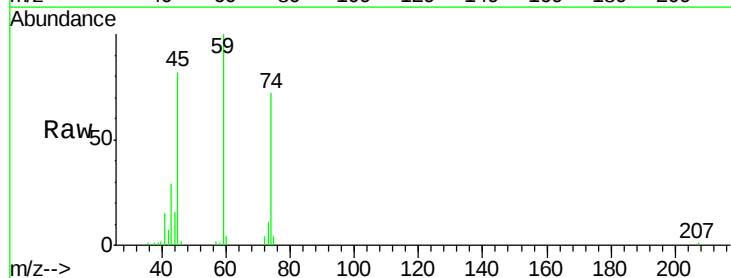
MMDadoda
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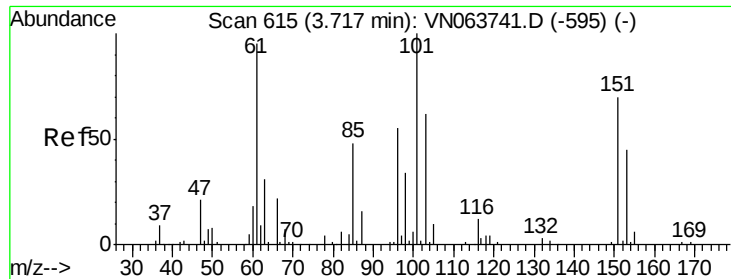


#8

Diethyl Ether
Concen: 19.907 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	50.9	152.8





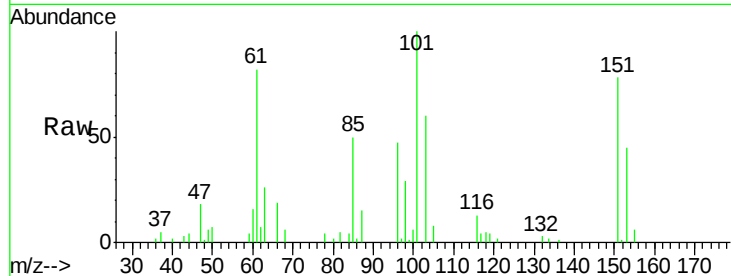
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.000 ug/l
RT: 3.72 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN064101.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	50.0	38.6	58.0
151	78.7	58.7	88.1

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10/14/2020 2:09:12 PM

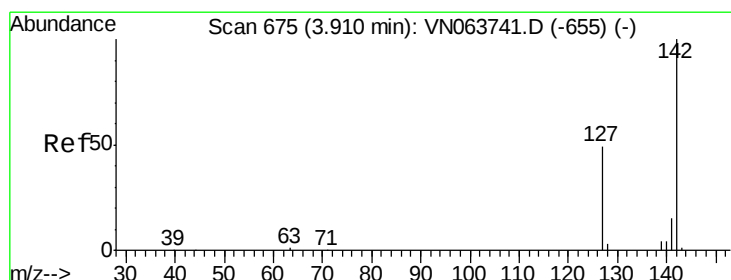
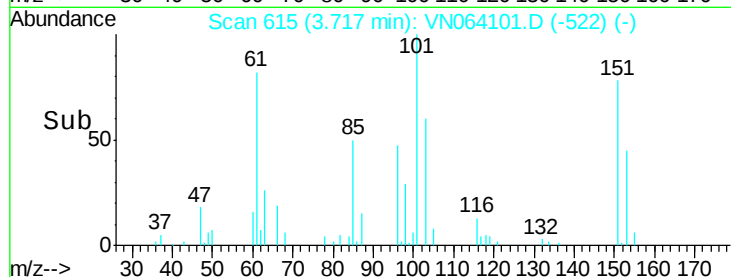
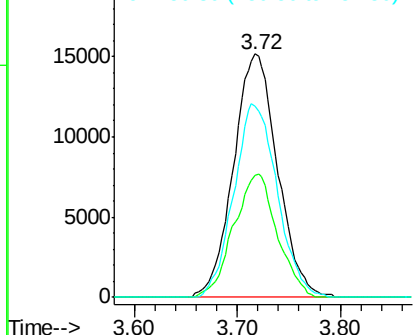


Abundance

Ion 100.90 (100.60 to 101.60): V

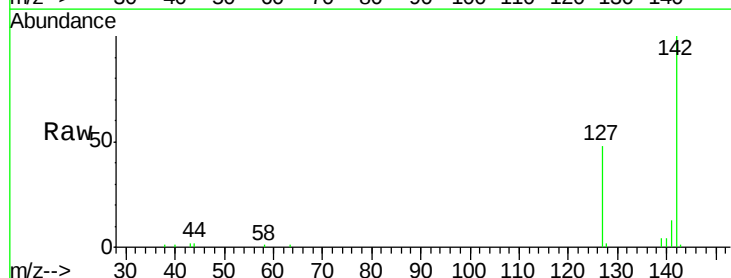
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 17.939 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.5	40.5	60.7
141	14.1	11.7	17.5

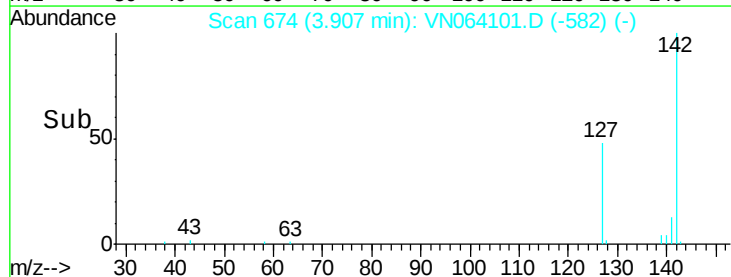
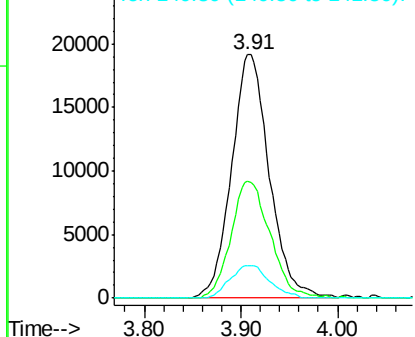


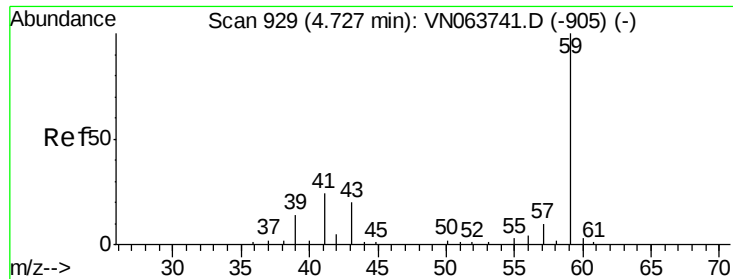
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





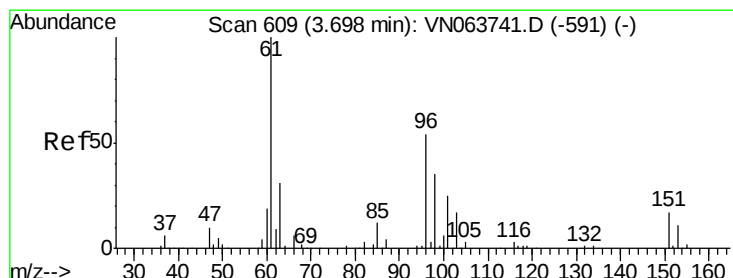
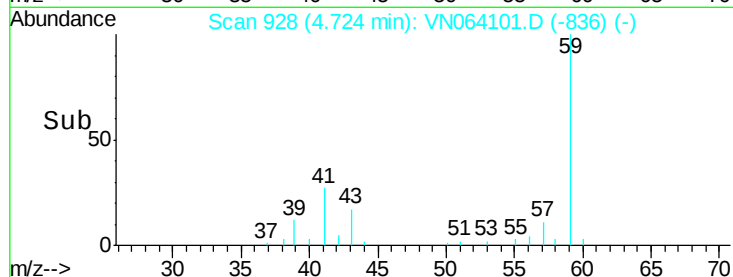
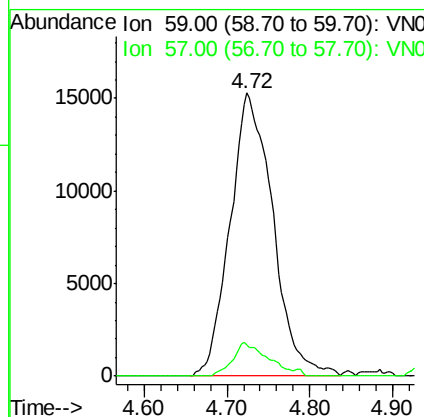
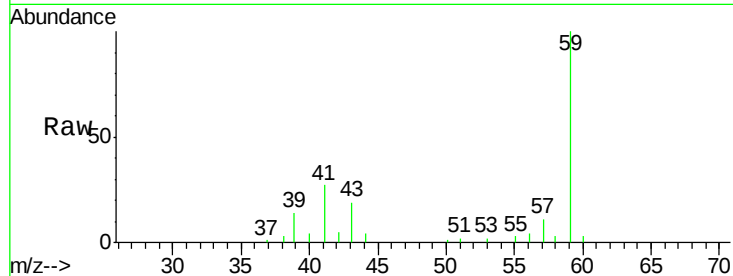
#11
Tert butyl alcohol
Concen: 126.828 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.7	13.1

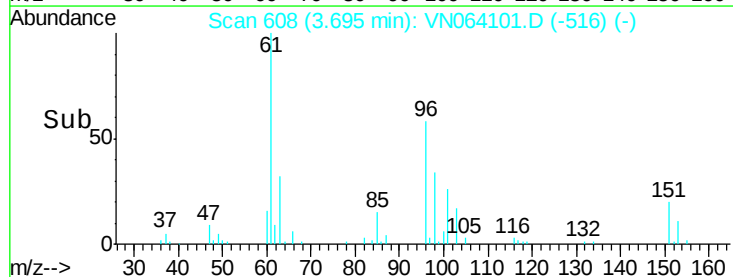
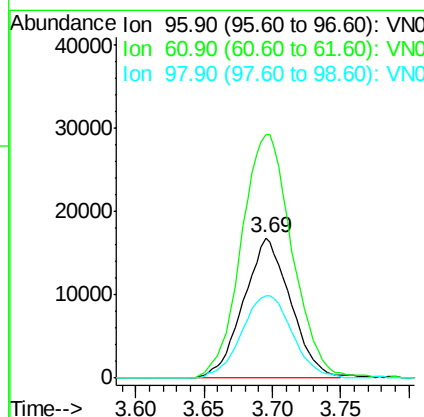
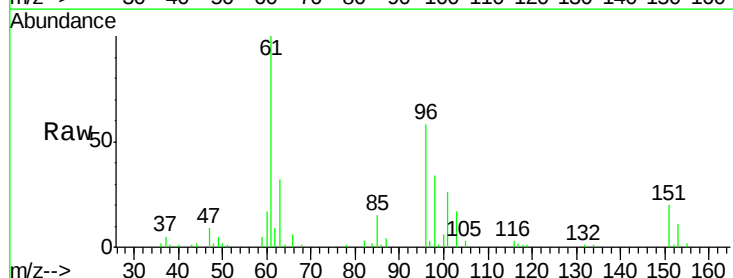
Manual Integrations
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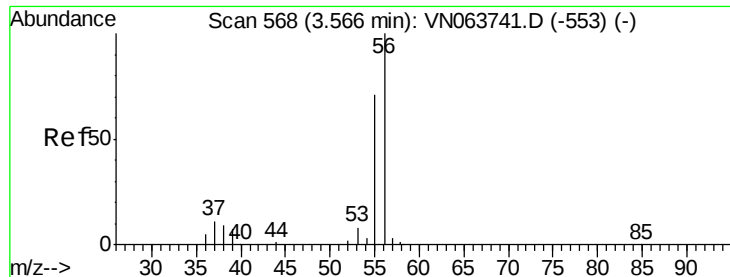
MMDadoda
10/14/2020 2:09:12 PM



#12
1,1-Dichloroethene
Concen: 16.862 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.8	147.7	221.5
98	59.0	51.9	77.9





#13

Acrolein

Concen: 66.417 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 56 Resp: 17619

Ion Ratio Lower Upper

56 100

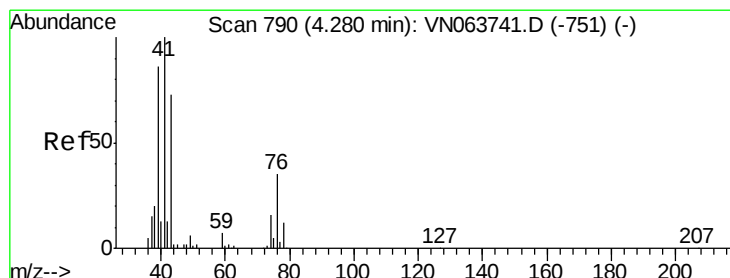
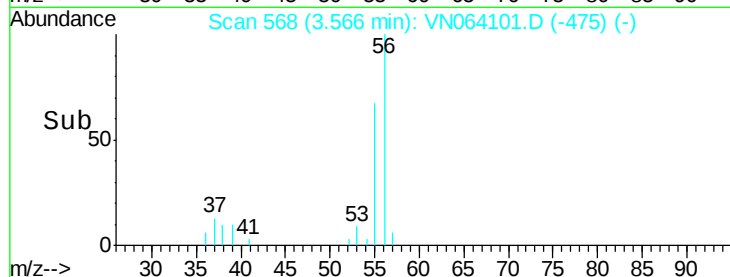
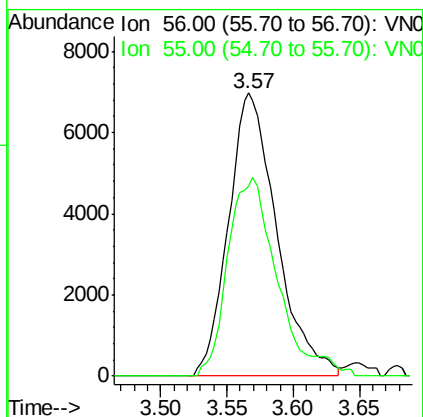
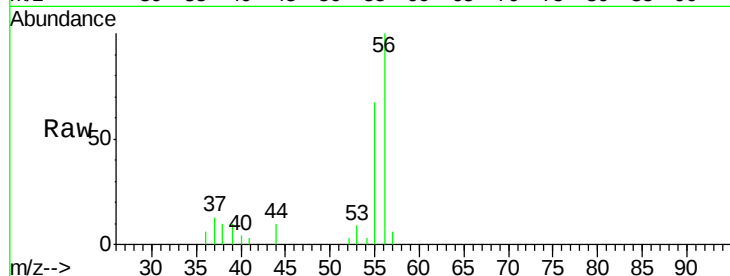
55 72.1 56.9 85.3

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#14

Allyl chloride

Concen: 18.546 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

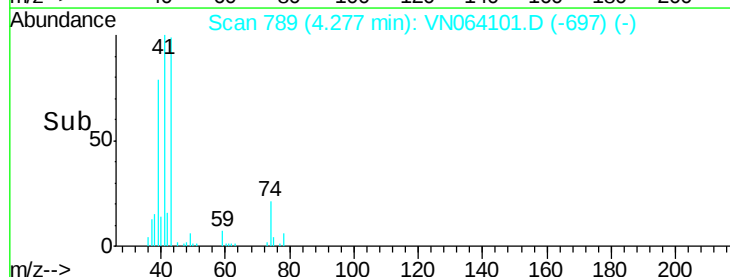
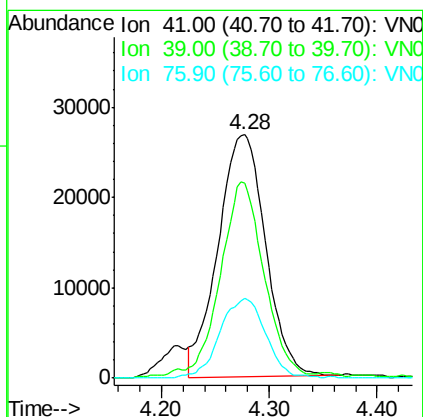
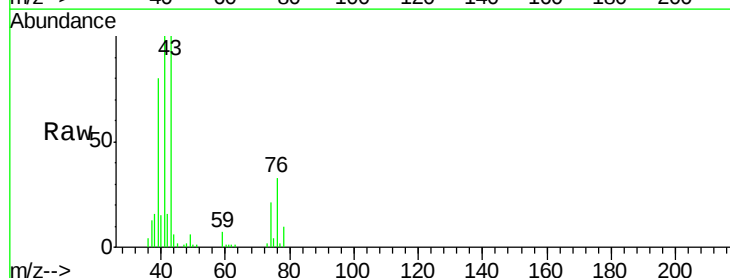
Tgt Ion: 41 Resp: 82219

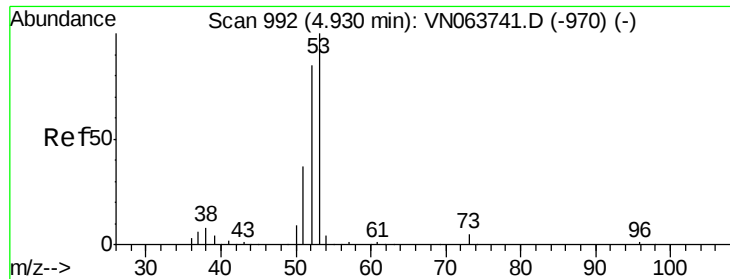
Ion Ratio Lower Upper

41 100

39 75.9 64.5 96.7

76 31.8 25.9 38.9





#15

Acrylonitrile

Concen: 114.207 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

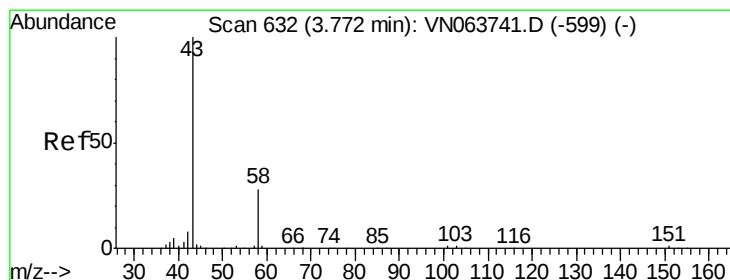
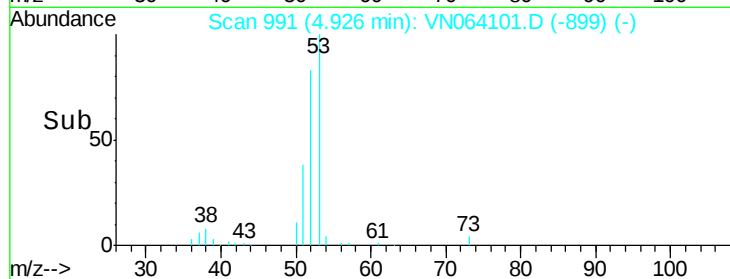
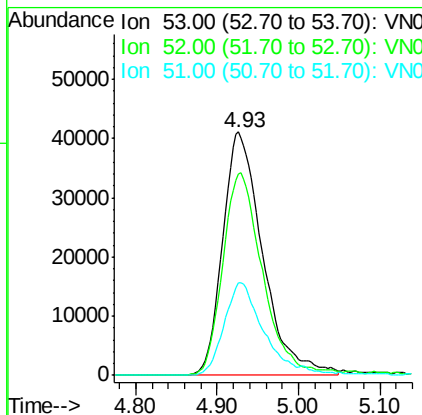
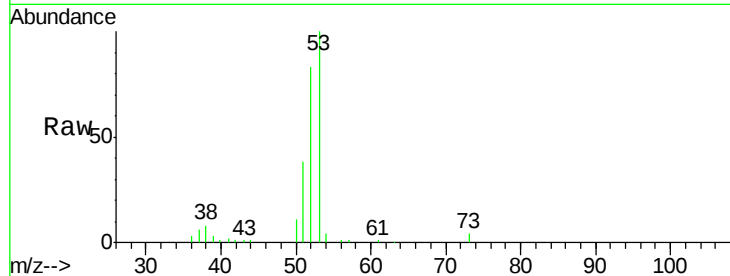
ClientSampleId :

VN1013WBSD01

Tot Ion:	53	Resp:	141301
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.5	99.7
51	36.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 109.792 ug/l

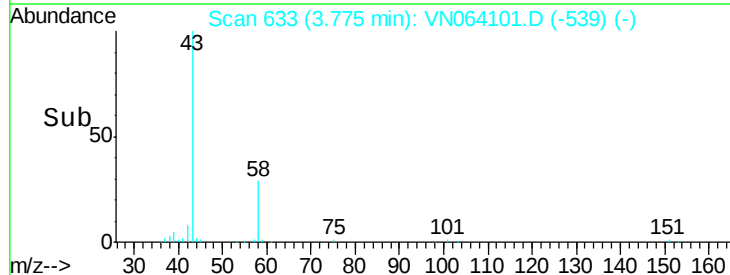
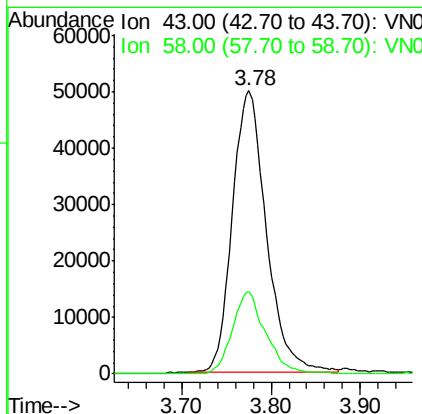
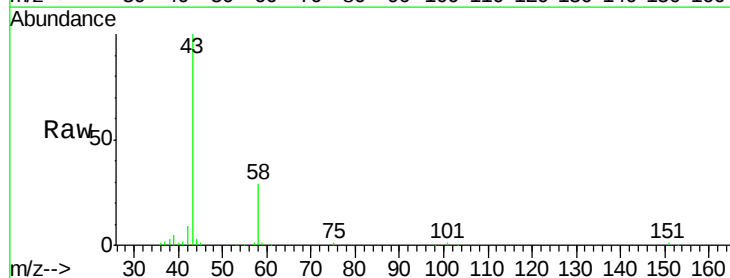
RT: 3.78 min Scan# 633

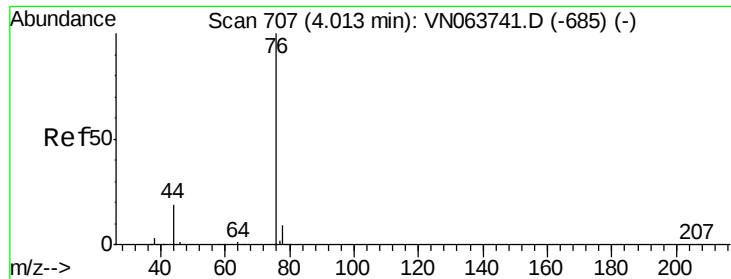
Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	43	Resp:	132318
Ion Ratio	Lower	Upper	
43	100		
58	29.1	22.3	33.5





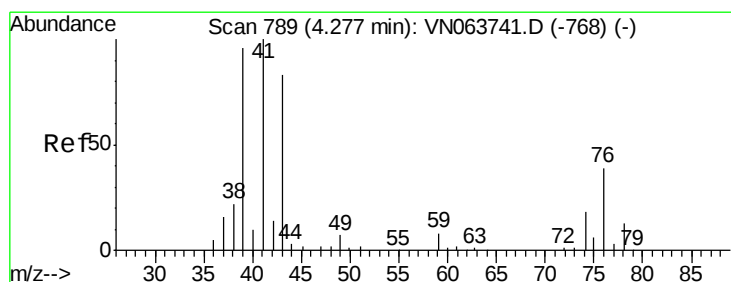
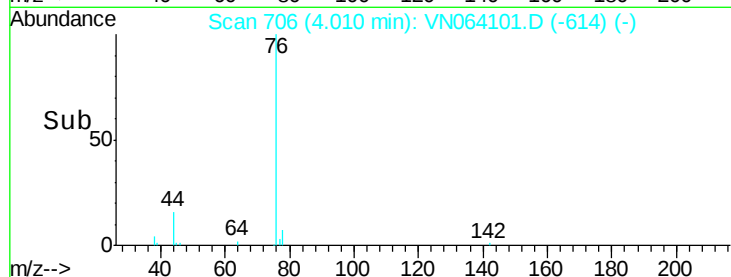
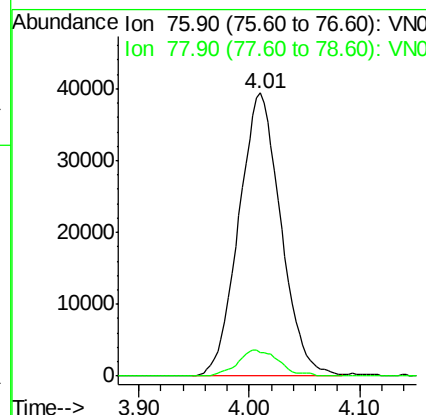
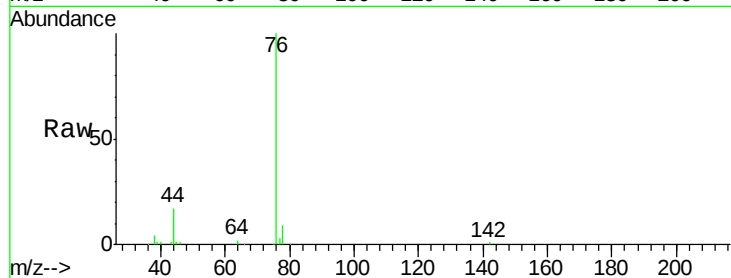
#17
Carbon Disulfide
Concen: 16.597 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

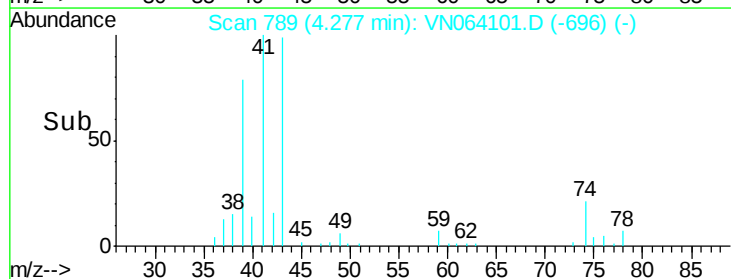
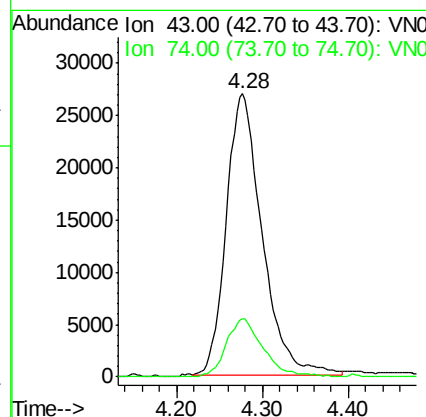
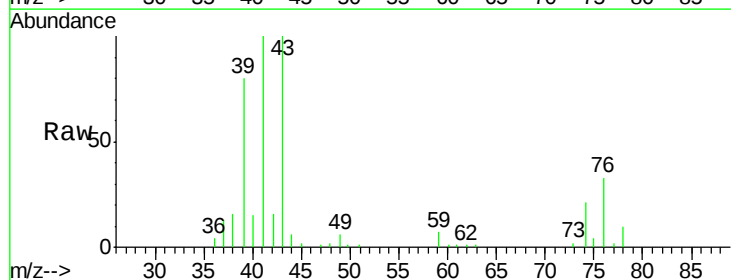
Manual Integrations
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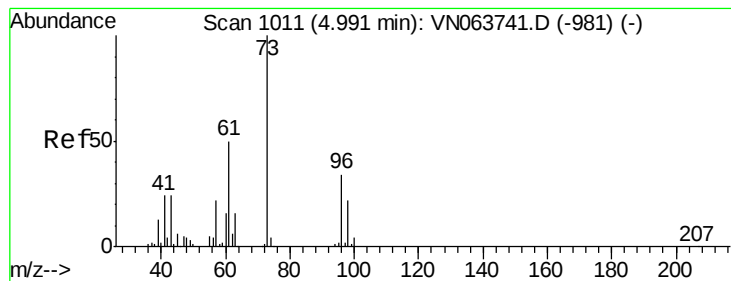
MMDadoda
10/14/2020 2:09:12 PM



#18
Methyl Acetate
Concen: 24.738 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.2





#19

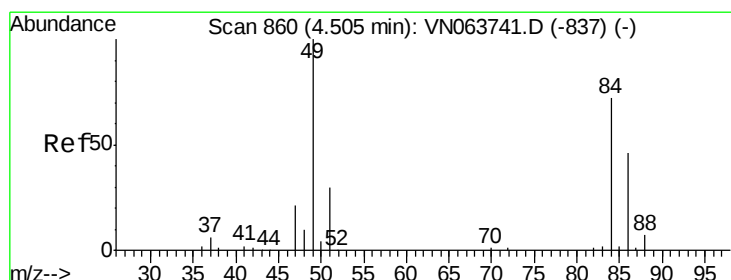
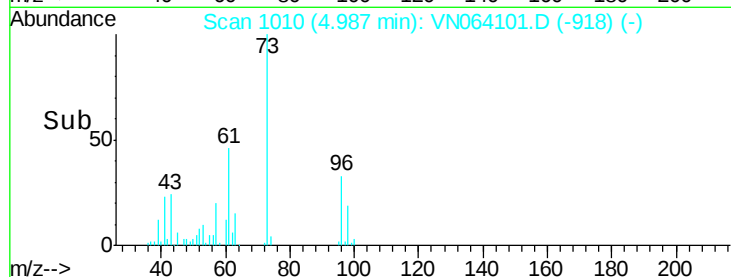
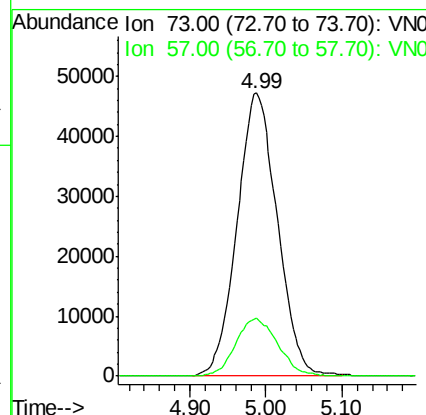
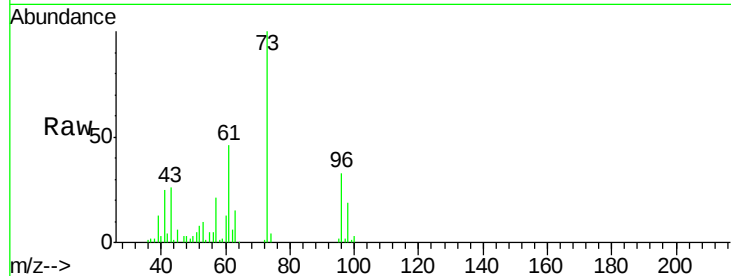
Methyl tert-butyl Ether
 Concen: 20.007 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1013WBSD01

Tot Ion	73	Resp	173451
Ion Ratio	Lower	Upper	
73	100		
57	20.6	17.6	26.4

Manual Integrations
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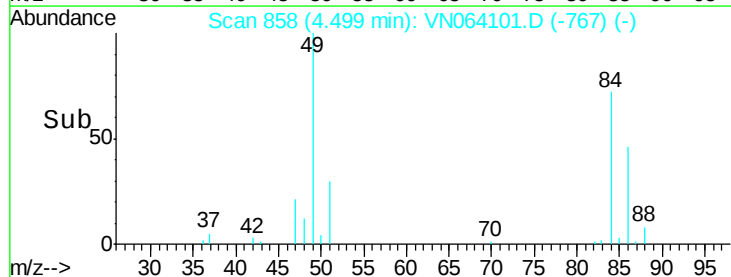
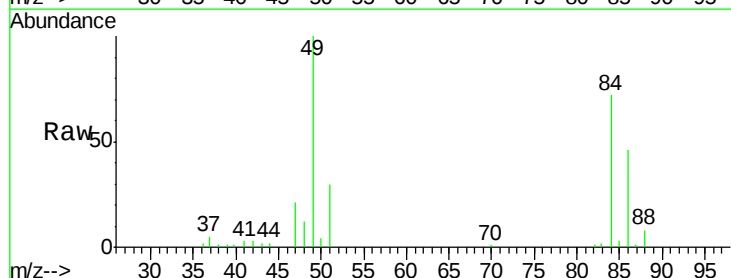
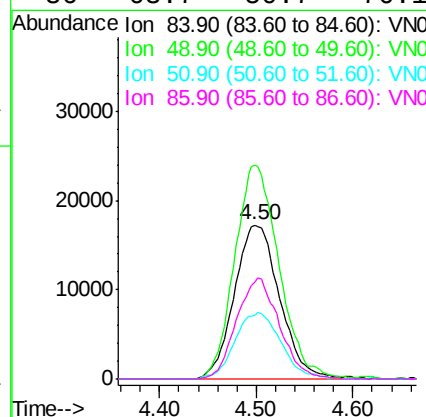
MMDadoda
 10/14/2020 2:09:12 PM

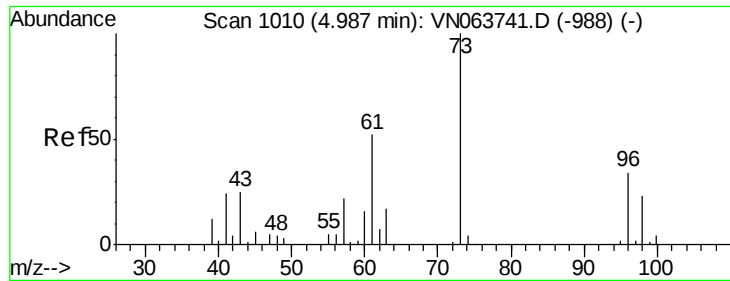


#20

Methylene Chloride
 Concen: 20.371 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	84	Resp	56071
Ion Ratio	Lower	Upper	
84	100		
49	139.0	110.4	165.6
51	41.8	33.3	49.9
86	63.7	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 17.754 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

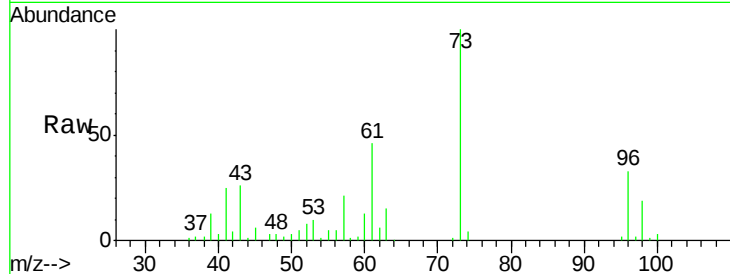
ClientSampleId :

VN1013WBSD01

Tot Ion:	96	Resp:	47454
Ion	Ratio	Lower	Upper
96	100		
61	140.3	120.2	180.2
98	58.6	52.6	79.0

Manual Integrations
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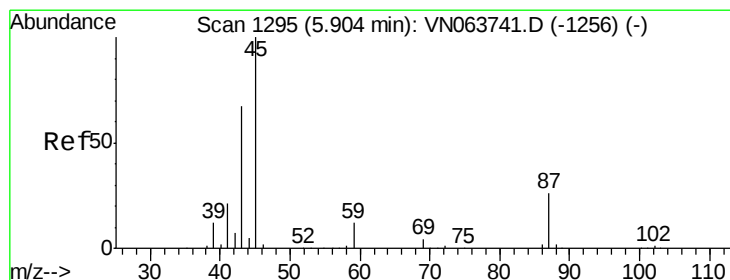
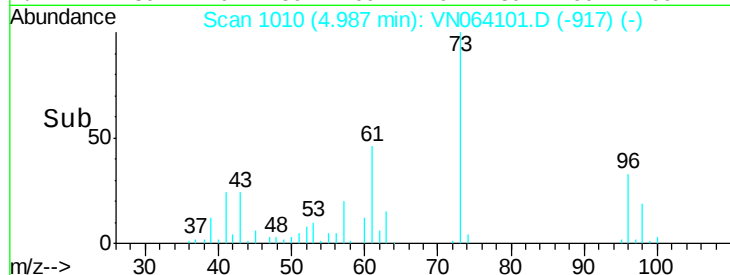
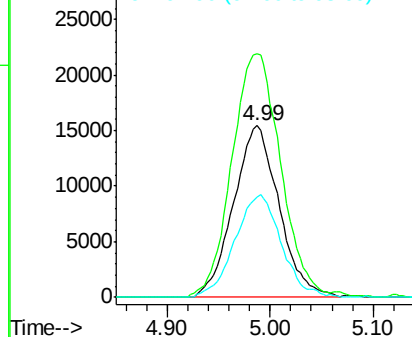


Abundance

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: 21.620 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	45	Resp:	197205
Ion	Ratio	Lower	Upper
45	100		
43	69.5	53.7	80.5
87	23.9	21.1	31.7
59	12.0	9.2	13.8

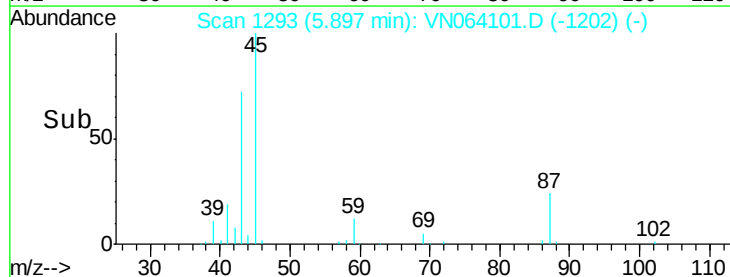
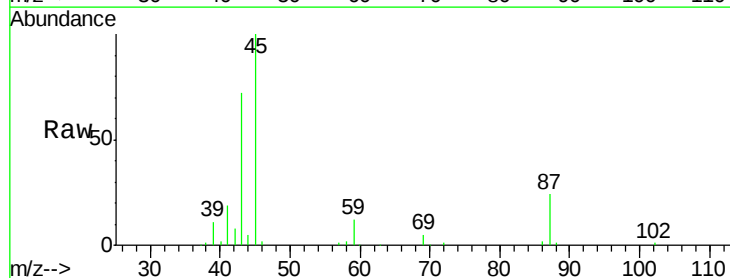
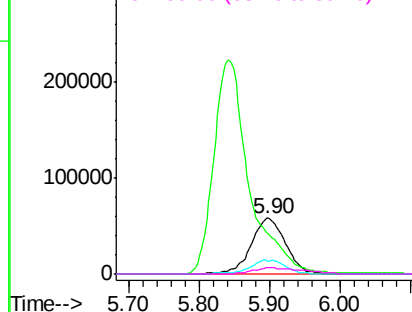
Abundance

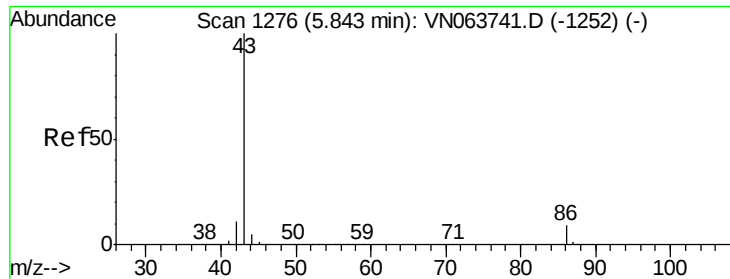
Ion 45.00 (44.70 to 45.70): VN0

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





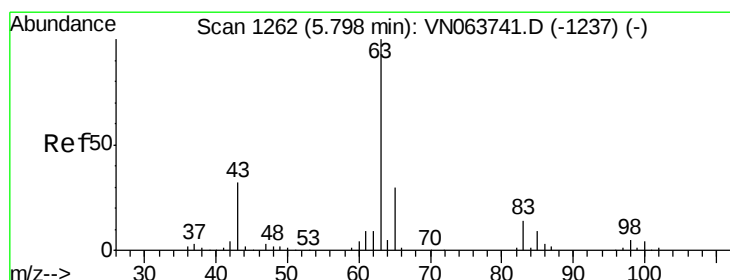
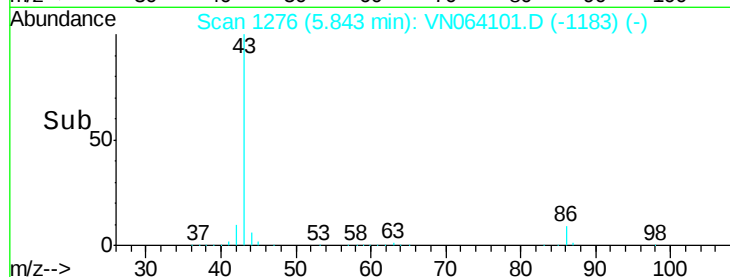
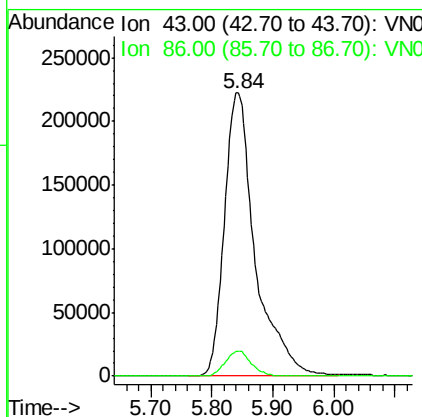
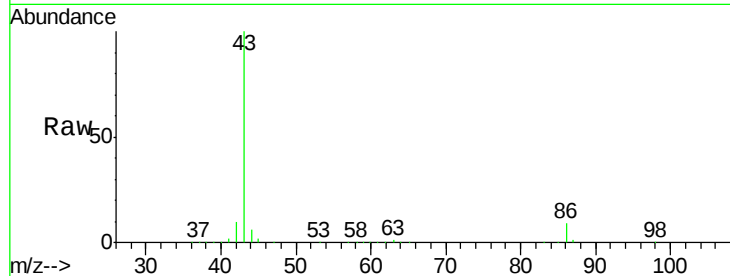
#23
 Vinyl Acetate
 Concen: 103.383 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	43	Resp	781123
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.3	10.9

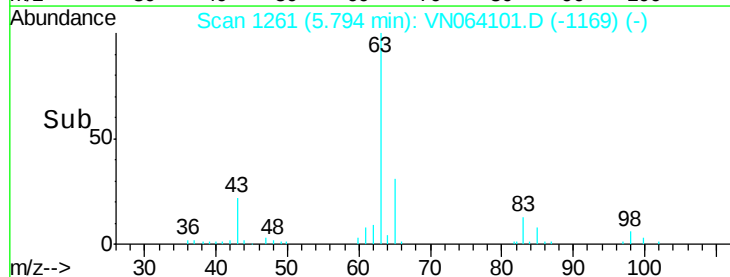
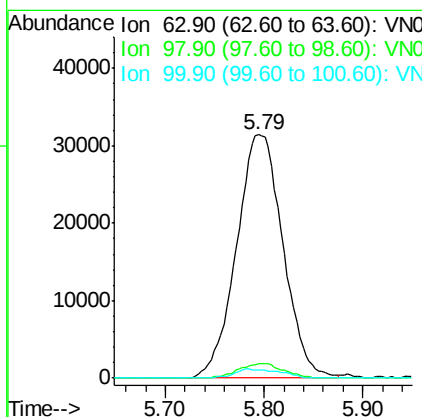
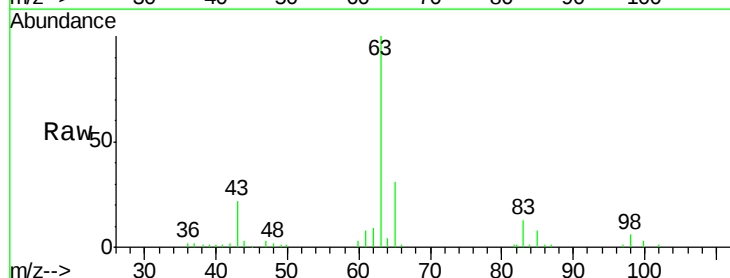
Manual Integrations
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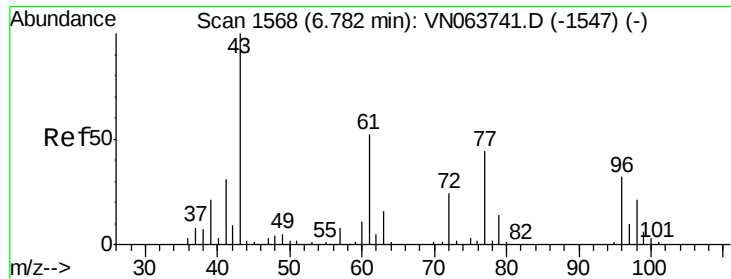
MMDadoda
 10/14/2020 2:09:12 PM



#24
 1,1-Dichloroethane
 Concen: 19.633 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	63	Resp	102393
Ion Ratio	100	Lower	Upper
63	100		
98	5.8	2.7	8.1
100	3.3	1.9	5.7





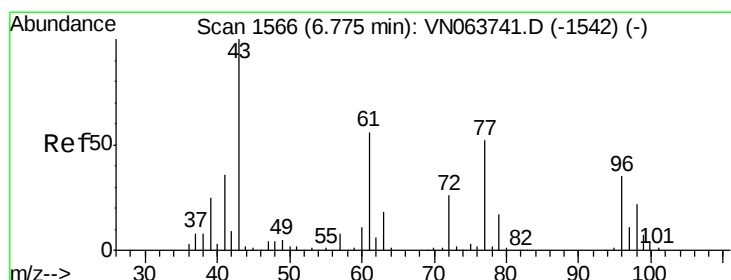
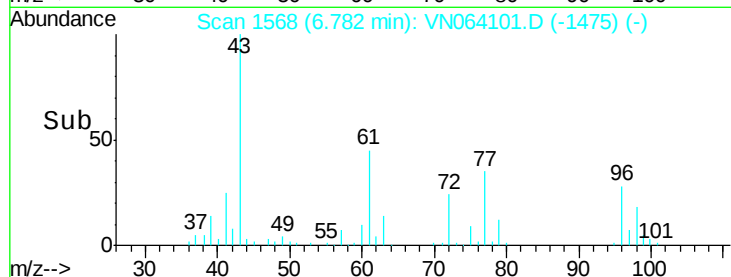
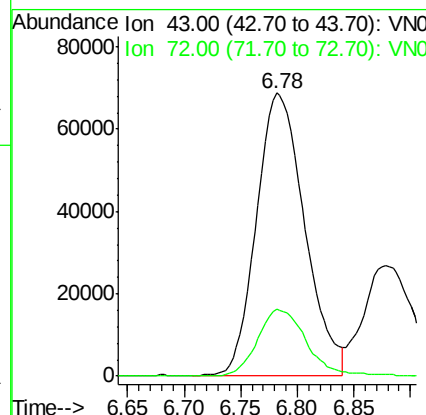
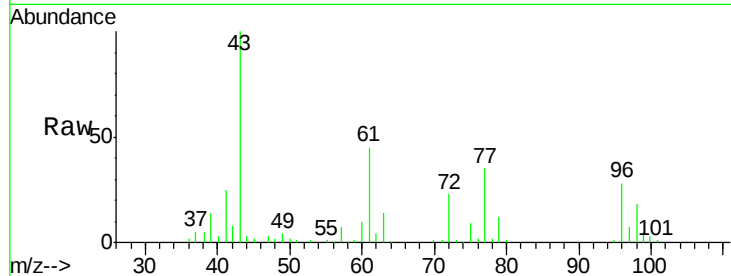
#25
2-Butanone
Concen: 118.424 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion: 43 Resp: 202343
Ion Ratio Lower Upper
43 100
72 23.6 19.3 28.9

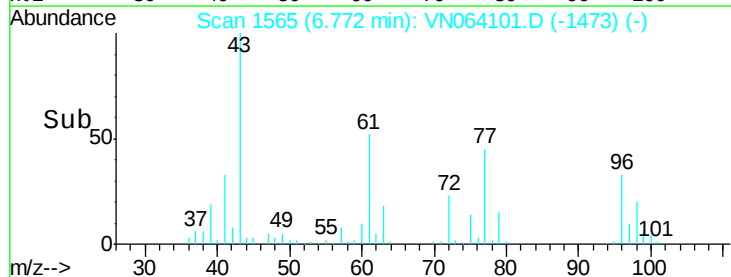
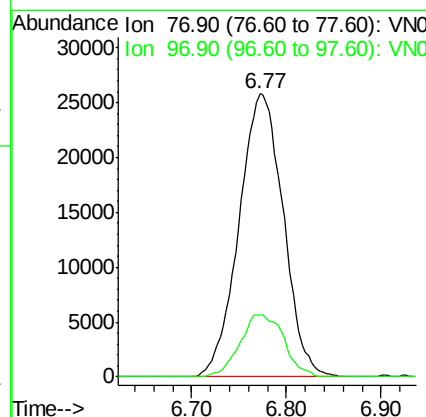
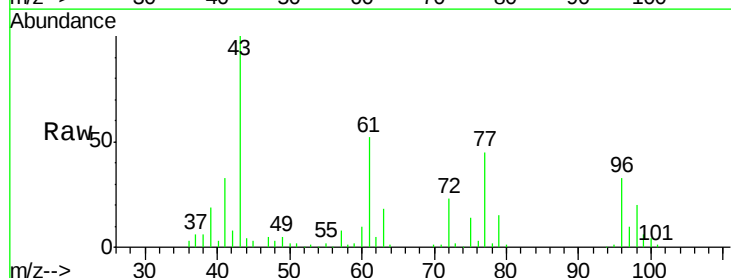
Manual Integrations
APPROVED

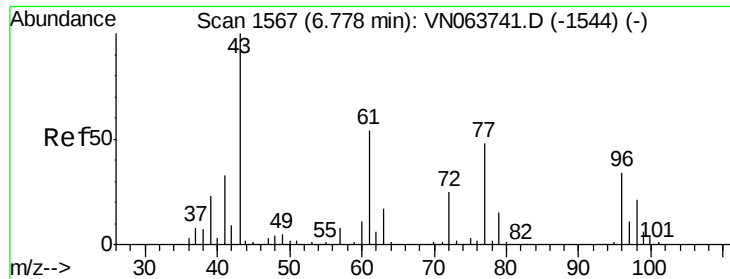
MMDadoda
10/14/2020 2:09:12 PM



#26
2,2-Dichloropropane
Concen: 17.584 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion: 77 Resp: 83980
Ion Ratio Lower Upper
77 100
97 21.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.601 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

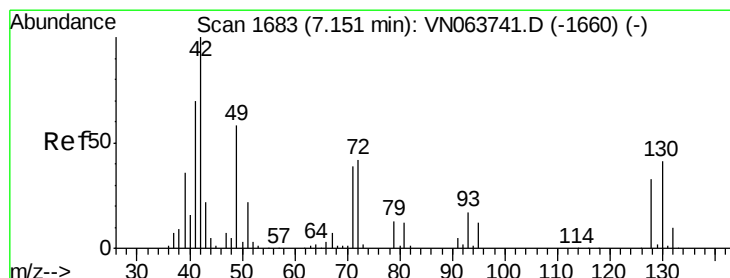
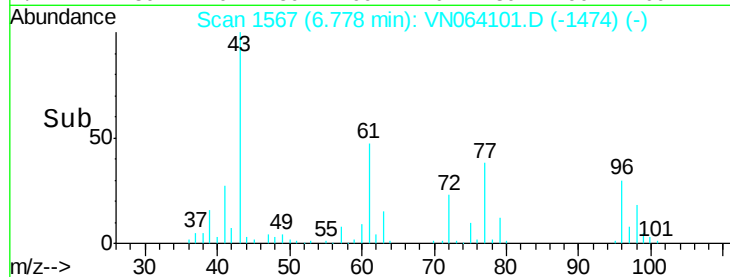
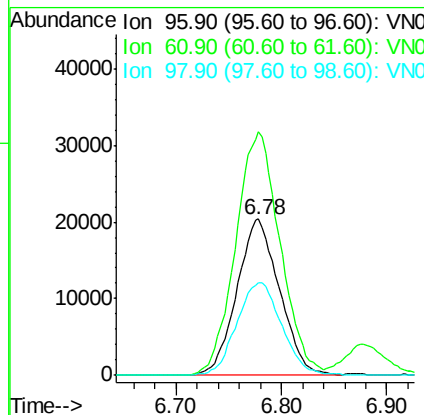
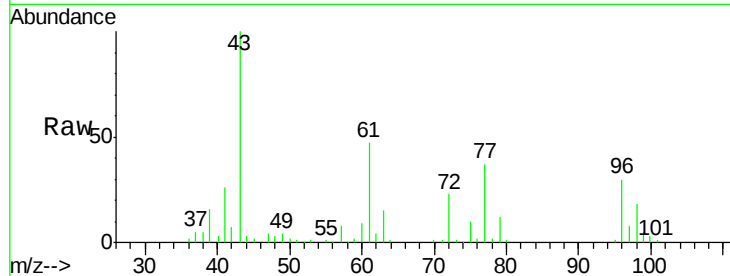
ClientSampleId :

VN1013WBSD01

Tot Ion:	96	Resp:	57182
Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	321.2
98	62.5	0.0	124.4

Manual Integrations
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10/14/2020 2:09:12 PM



#28

Bromochloromethane

Concen: 20.396 ug/l

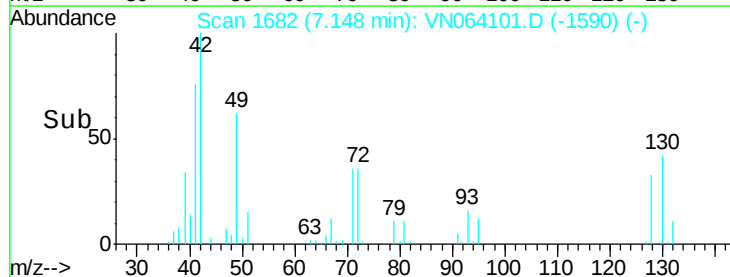
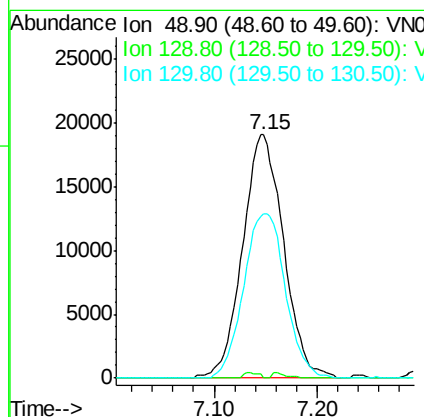
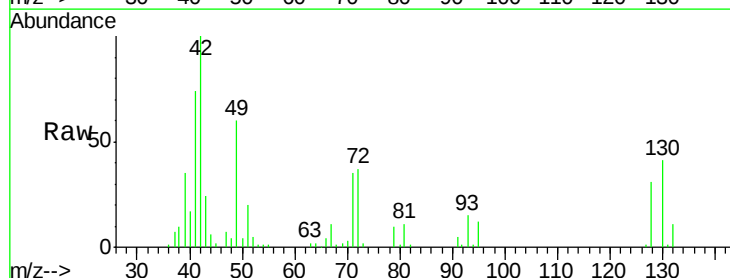
RT: 7.15 min Scan# 1682

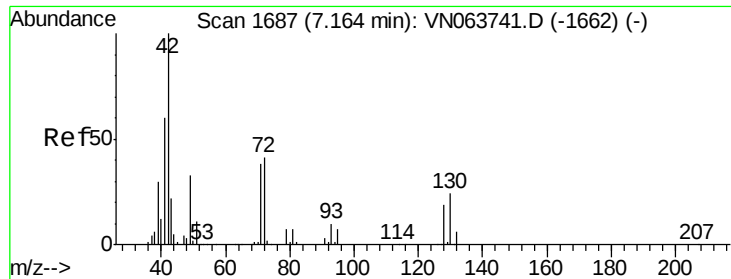
Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	49	Resp:	52574
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.8
130	69.1	55.6	83.4





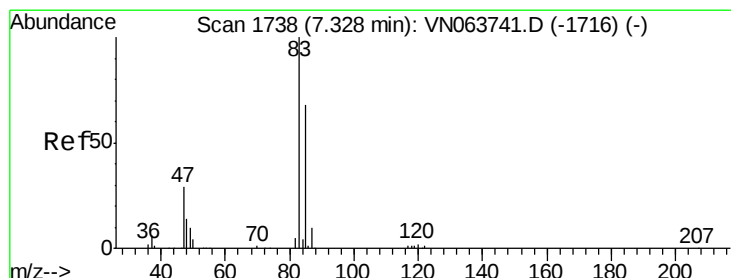
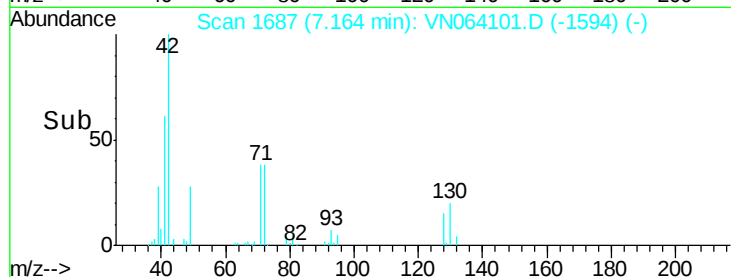
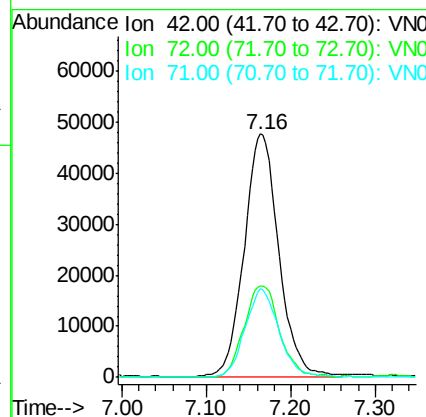
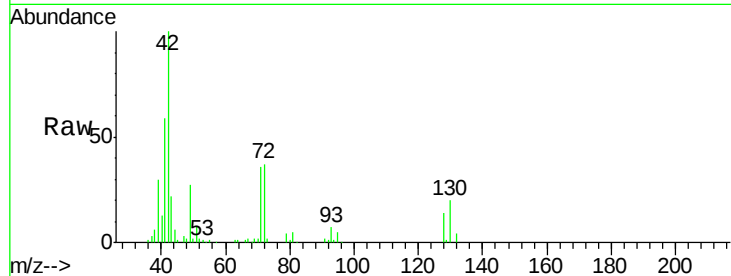
#29
Tetrahydrofuran
Concen: 119.534 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	32.8	49.2
71	35.2	30.6	45.8

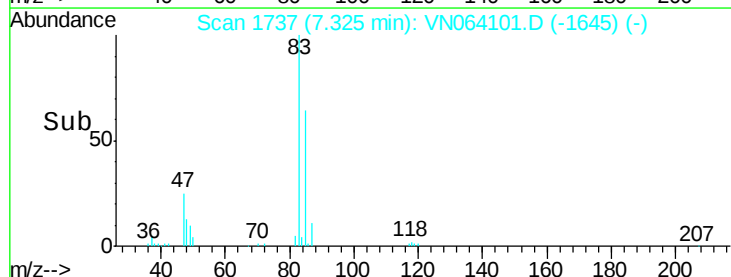
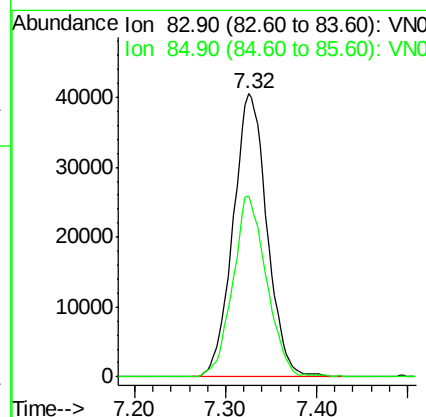
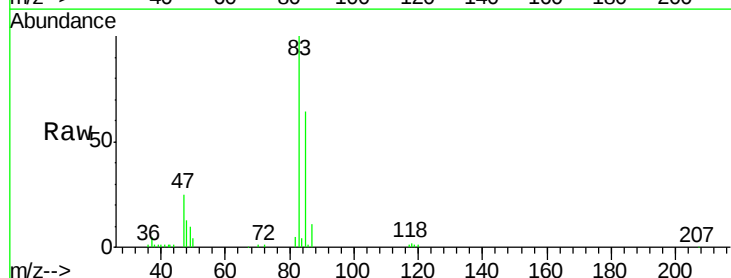
Manual Integrations
APPROVED

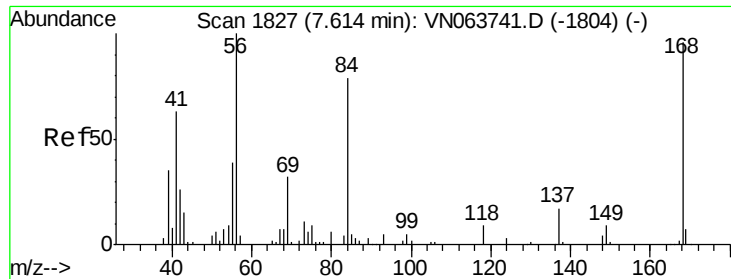
MMDadoda
10/14/2020 2:09:12 PM



#30
Chloroform
Concen: 19.266 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.6	82.0





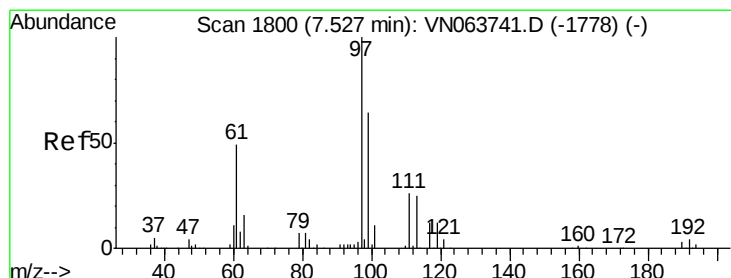
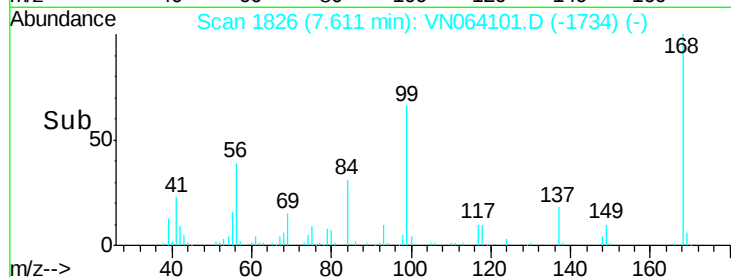
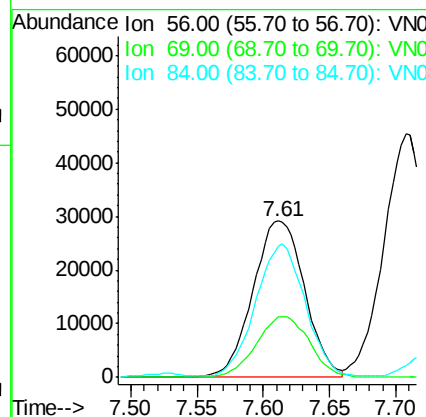
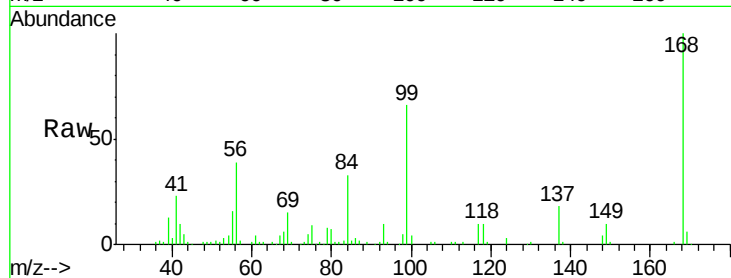
#31
Cyclohexane
Concen: 17.438 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.4	38.2#
84	83.0	63.3	94.9

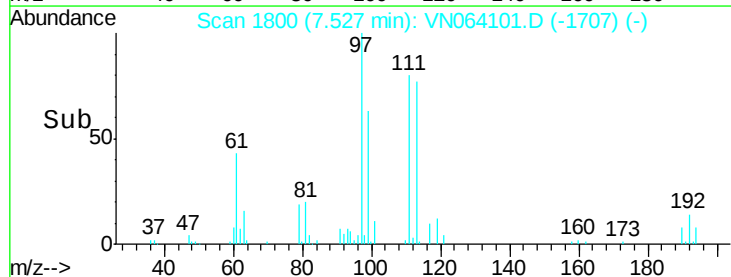
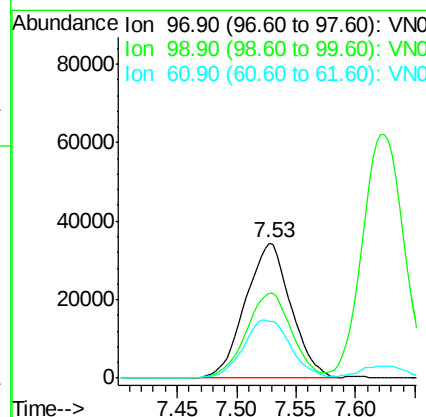
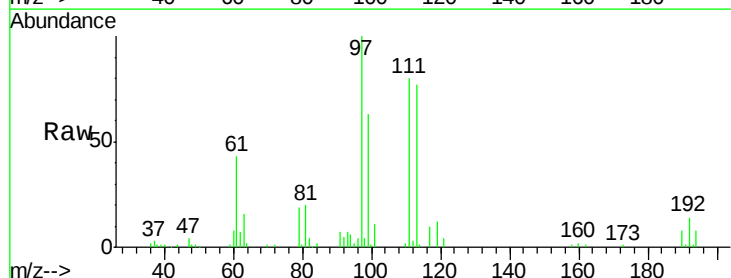
Manual Integrations
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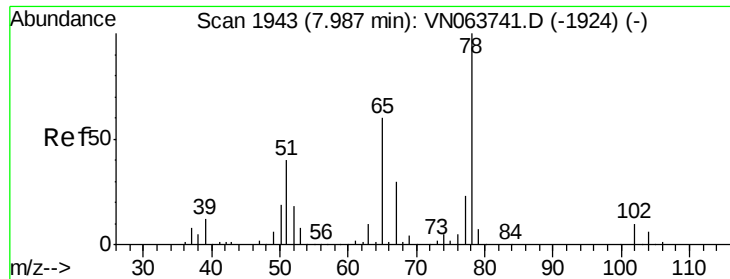
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.567 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.6
61	44.7	38.7	58.1





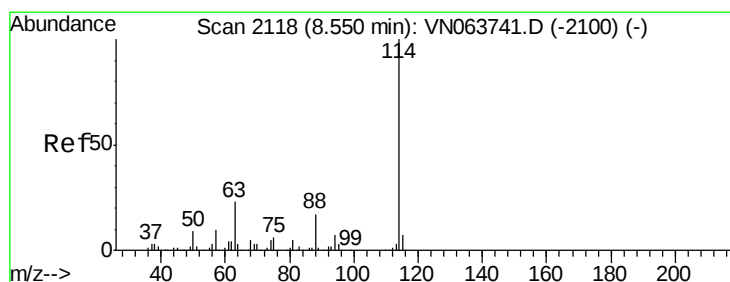
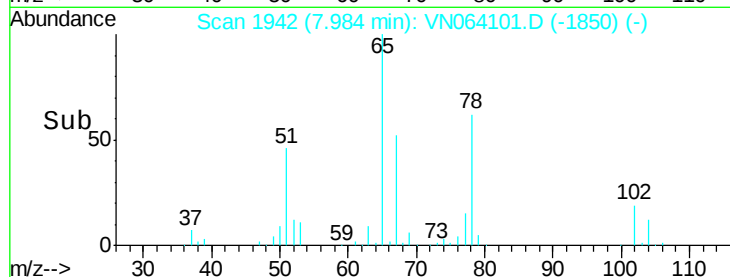
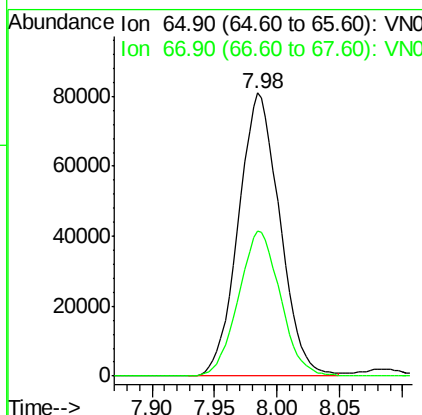
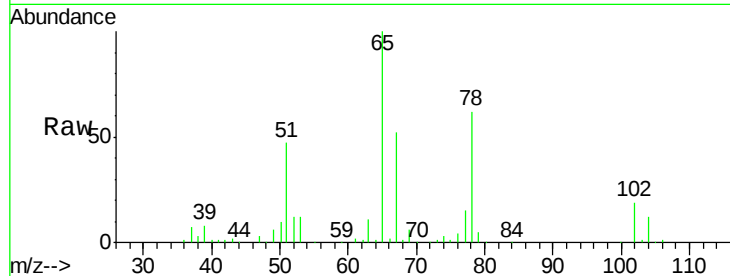
#33
 1,2-Dichloroethane-d4
 Concen: 47.511 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186007		
67	51.8	0.0	99.6	

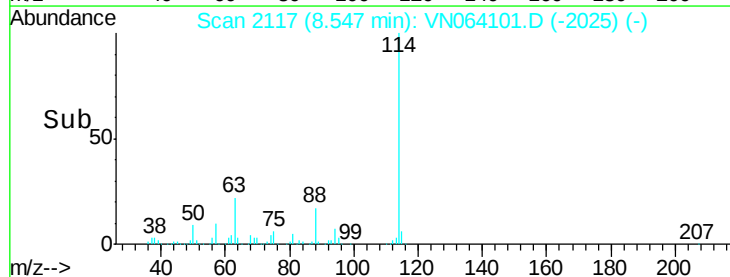
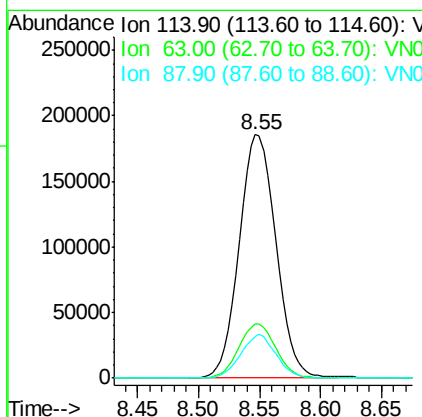
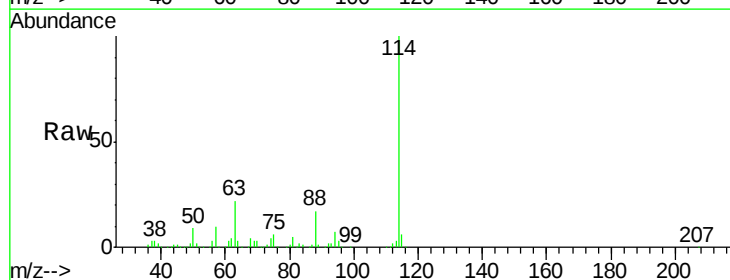
Manual Integrations
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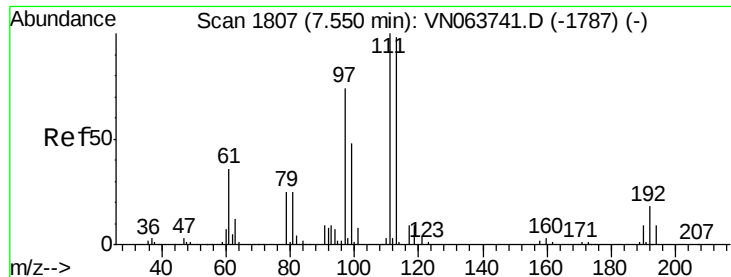
MMDadoda
 10/14/2020 2:09:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386720		
63	22.1	0.0	45.0	
88	17.1	0.0	34.0	





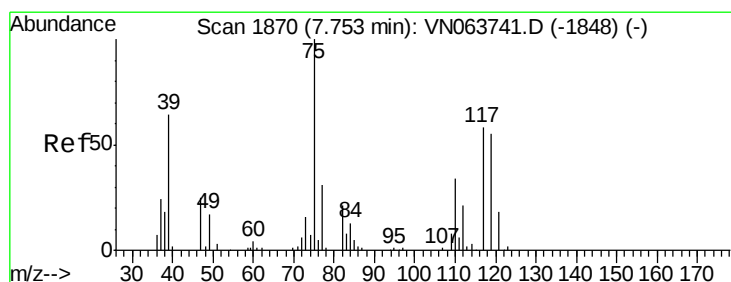
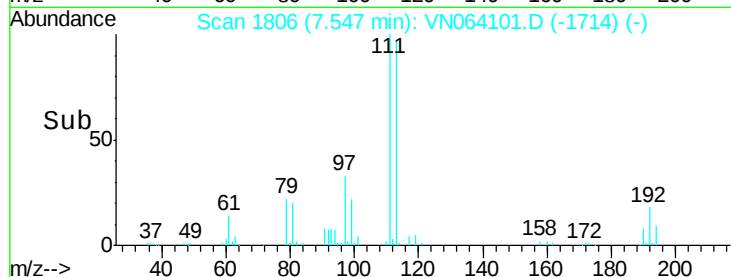
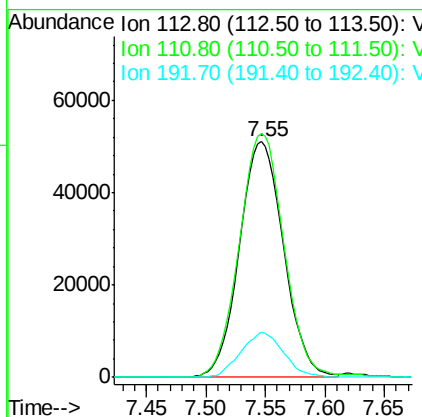
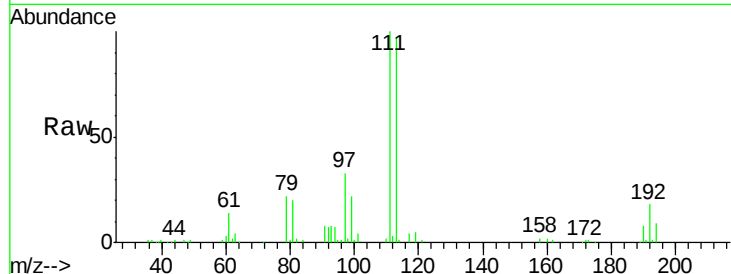
#35
Dibromofluoromethane
Concen: 48.909 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131240		
111	104.6	81.8	122.8	
192	18.5	14.2	21.2	

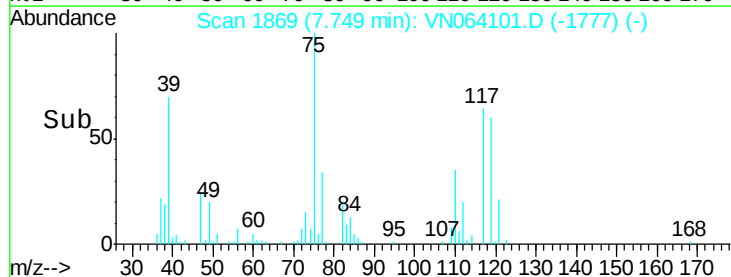
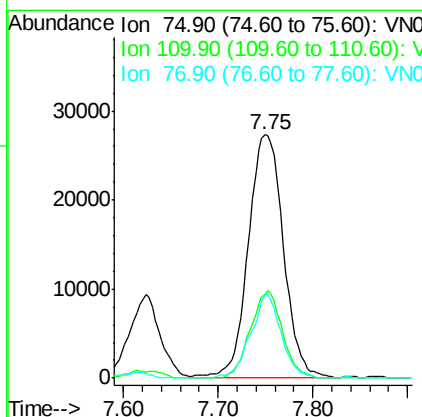
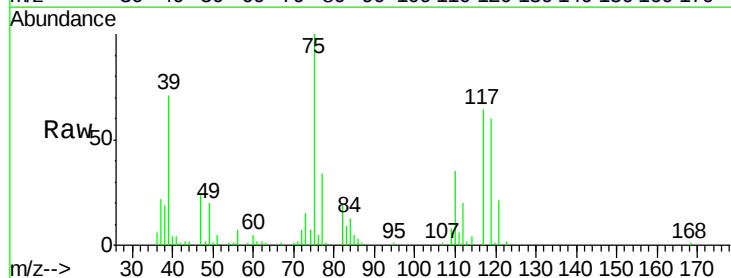
Manual Integrations
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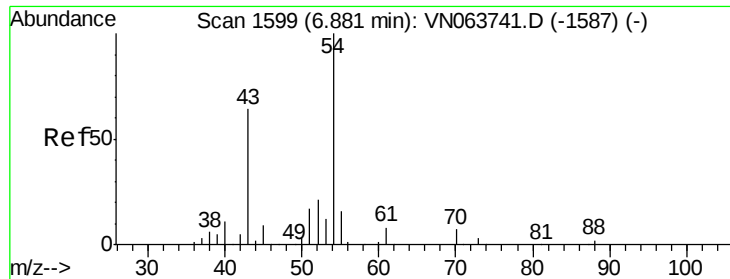
MMDadoda
10/14/2020 2:09:12 PM



#36
1,1-Dichloropropene
Concen: 18.031 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70642		
110	32.4	16.9	50.6	
77	30.1	24.5	36.7	





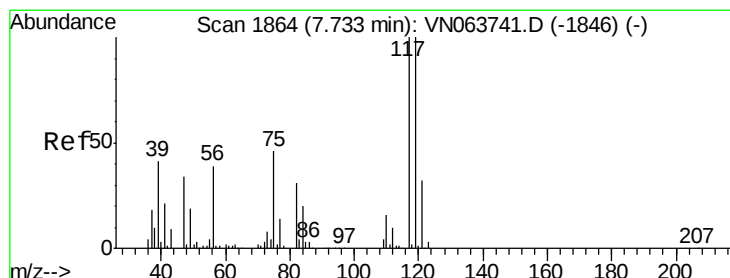
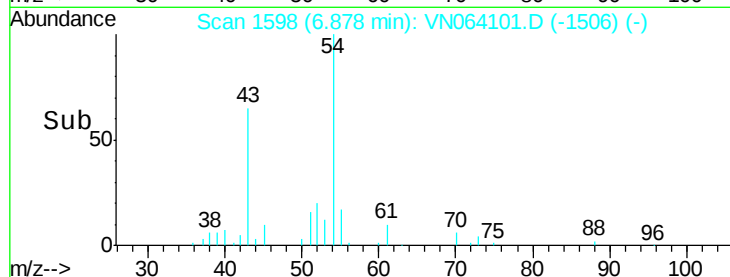
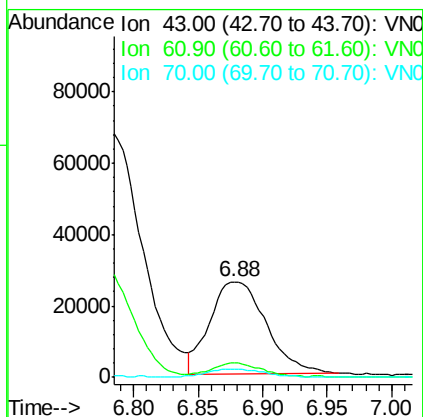
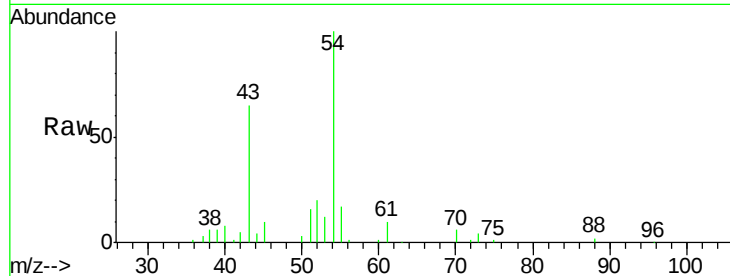
#37
Ethyl Acetate
Concen: 20.161 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	43	61	70
Resp	78477		
Ratio	100	13.2	9.2
Lower		10.4	7.3
Upper		15.6	10.9

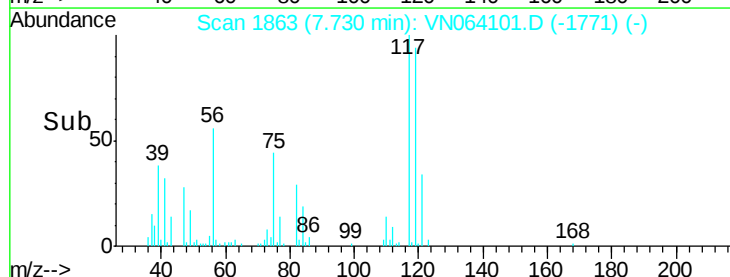
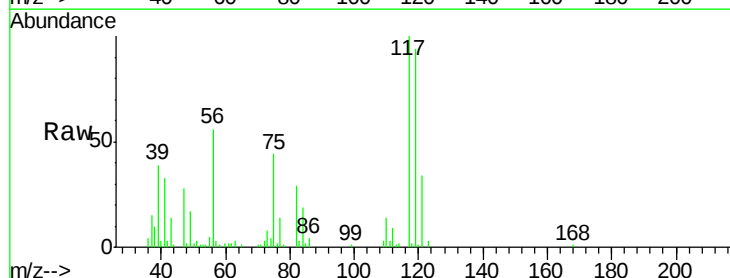
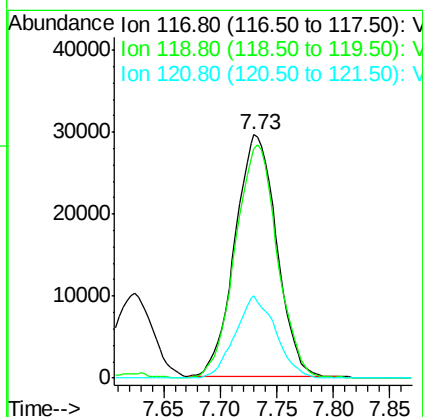
Manual Integrations
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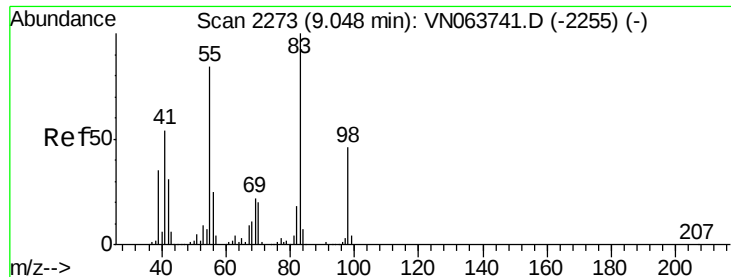
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10/14/2020 2:09:12 PM



#38
Carbon Tetrachloride
Concen: 17.259 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	117	119	121
Resp	75825		
Ratio	100	94.6	33.7
Lower		80.1	25.7
Upper		120.1	38.5





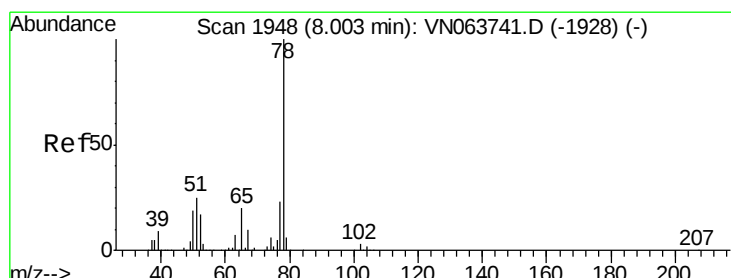
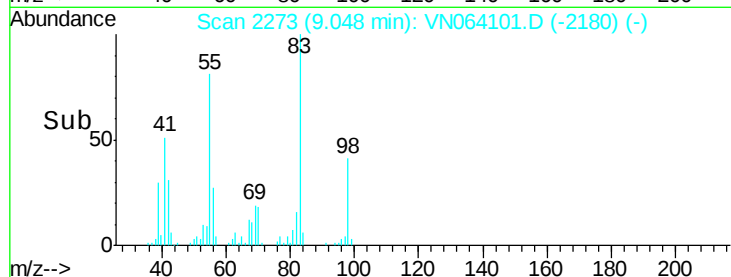
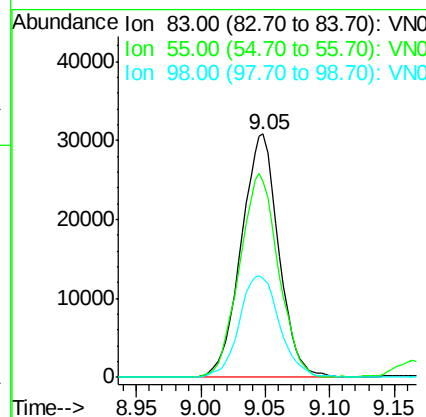
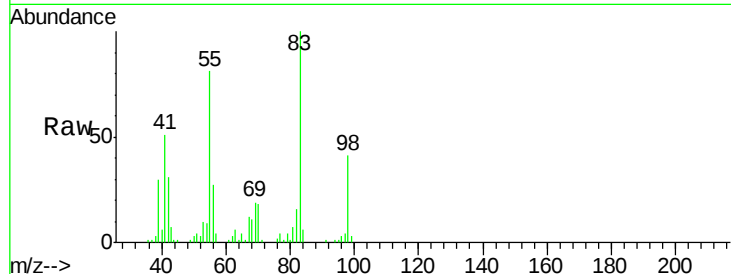
#39
Methylvlcvclohexane
Concen: 15.963 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	67.1	100.7
98	40.9	36.6	54.8

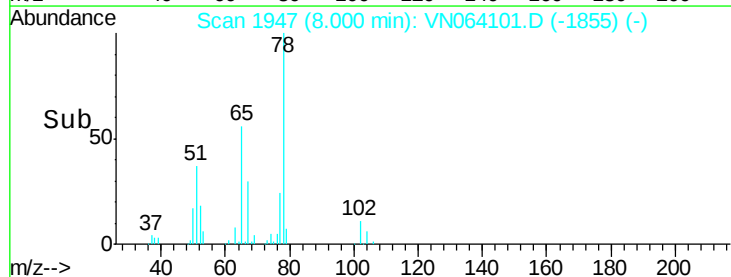
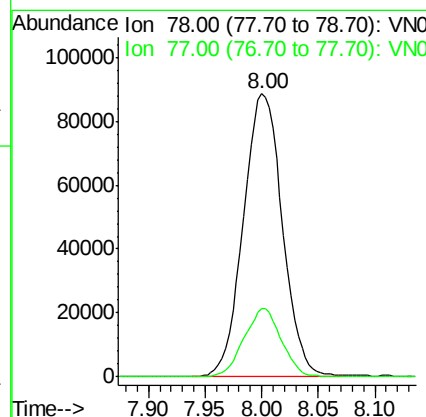
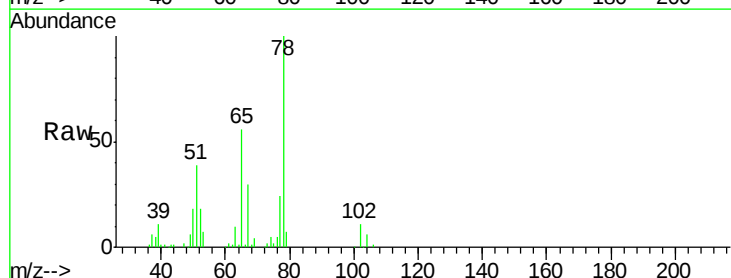
Manual Integrations
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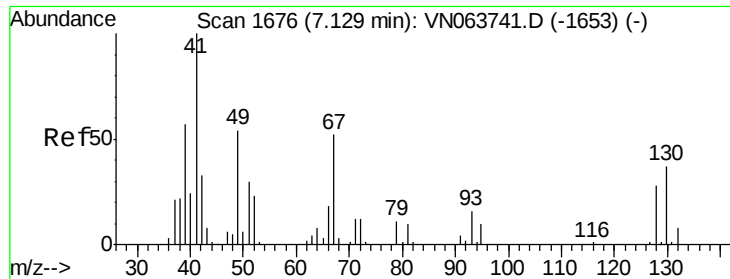
MMDadoda
10/14/2020 2:09:12 PM



#40
Benzene
Concen: 19.061 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





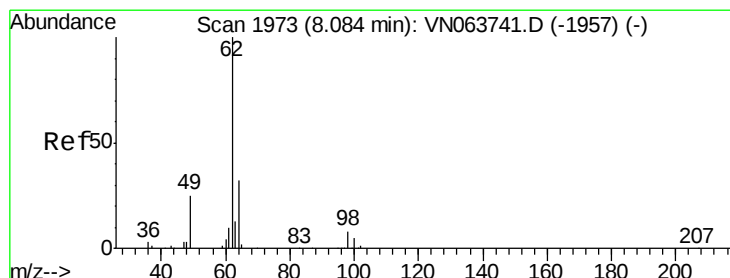
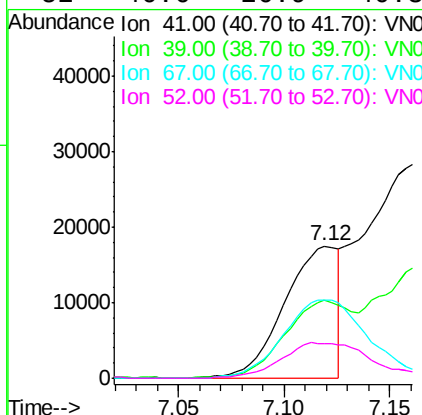
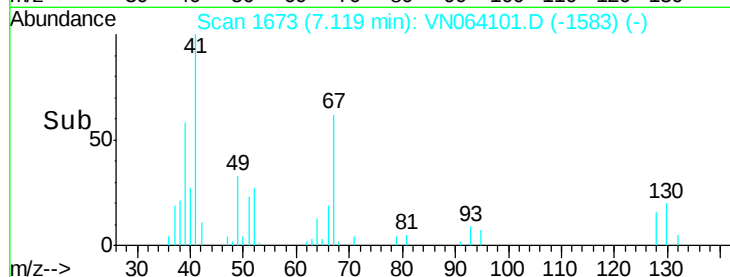
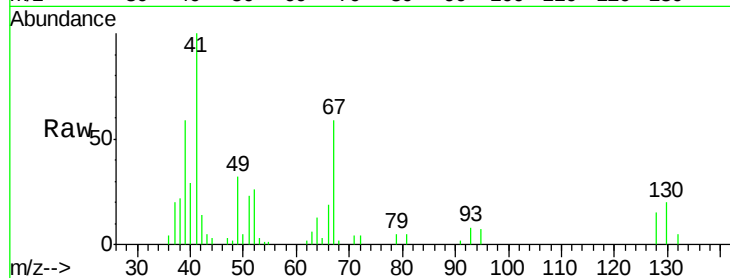
#41
Methacrylonitrile
Concen: 17.963 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	41	Resp	31076
Ion Ratio	Lower	Upper	
41	100		
39	75.2	42.5	63.7#
67	96.0	57.4	86.2#
52	46.6	26.9	40.3#

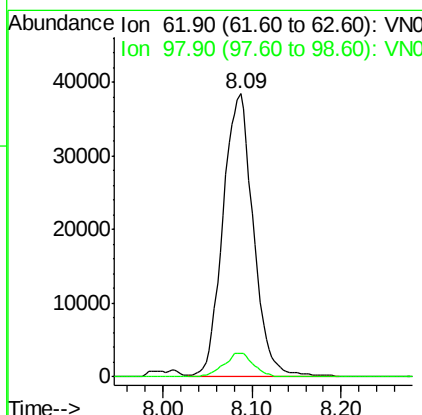
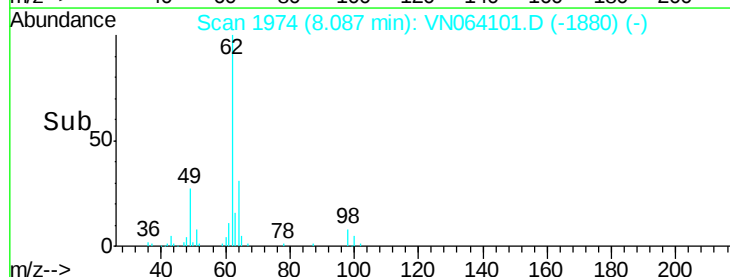
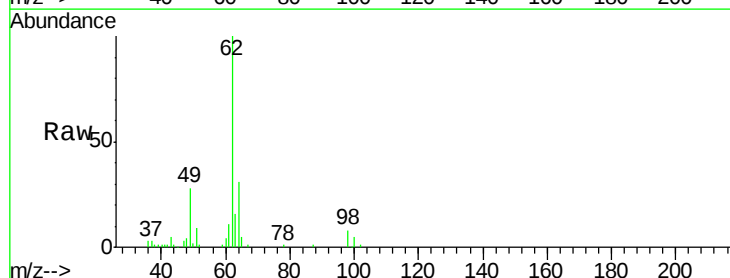
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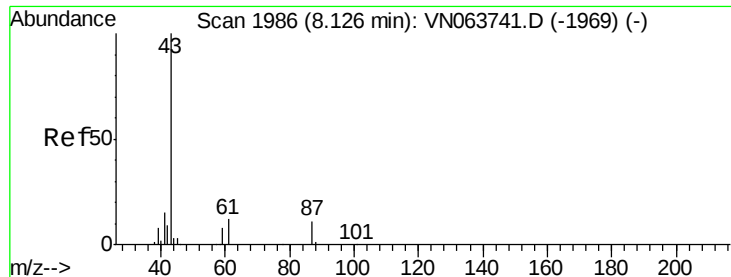
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.039 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	62	Resp	90943
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	15.0





#43

Isopropyl Acetate

Concen: 21.566 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

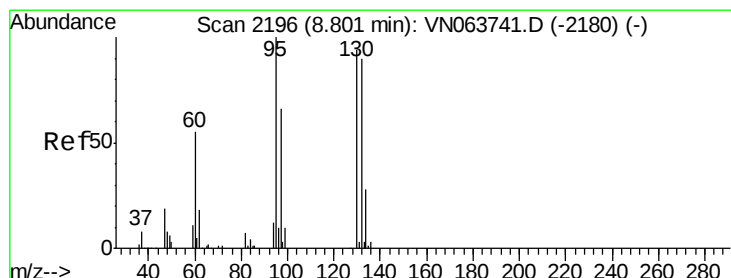
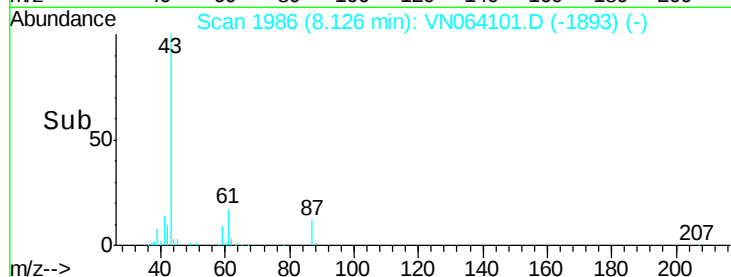
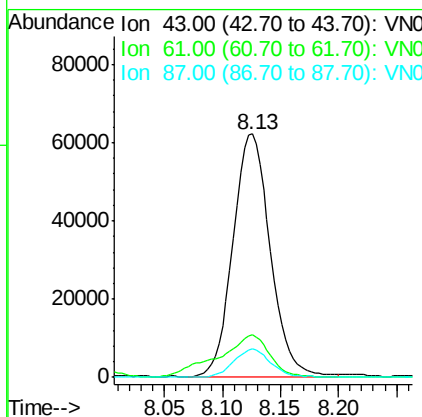
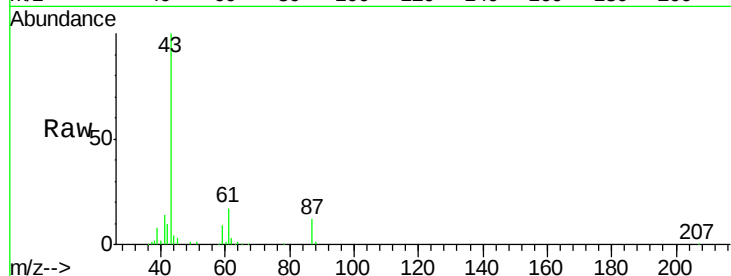
ClientSampleId :

VN1013WBSD01

Tot Ion:	43	Resp:	138463
Ion	Ratio	Lower	Upper
43	100		
61	24.3	14.2	21.4#
87	11.6	9.0	13.6

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#44

Trichloroethene

Concen: 17.945 ug/l

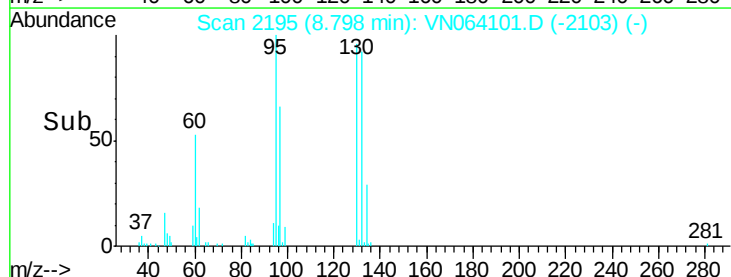
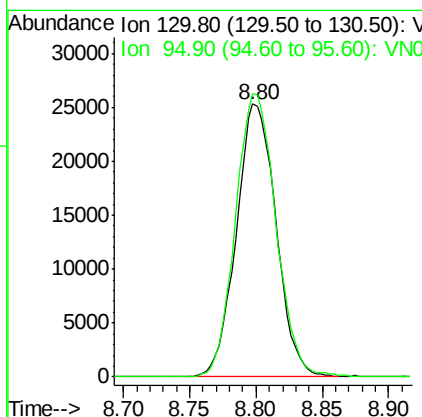
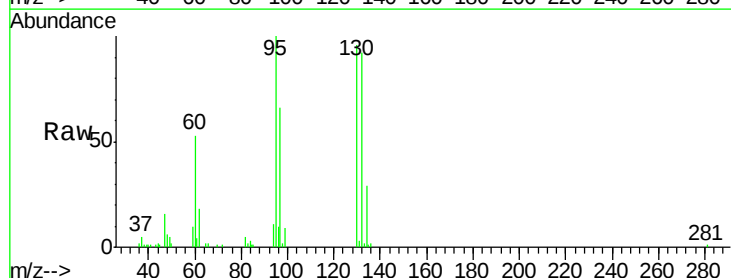
RT: 8.80 min Scan# 2195

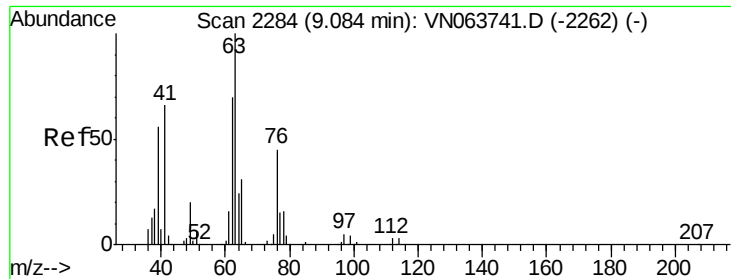
Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	130	Resp:	52614
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	213.6





#45

1,2-Dichloropropane

Concen: 20.137 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 63 Resp: 60856

Ion Ratio Lower Upper

63 100

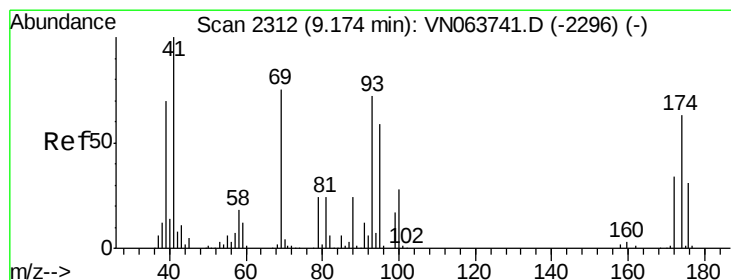
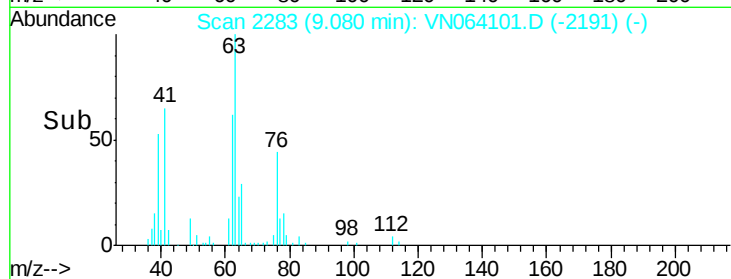
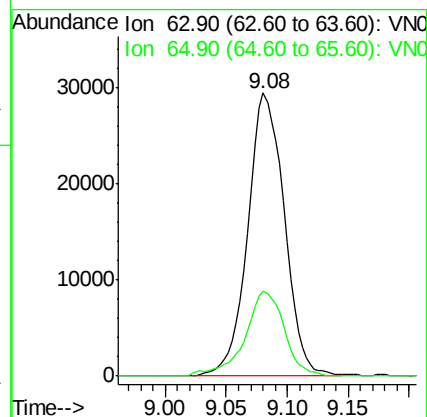
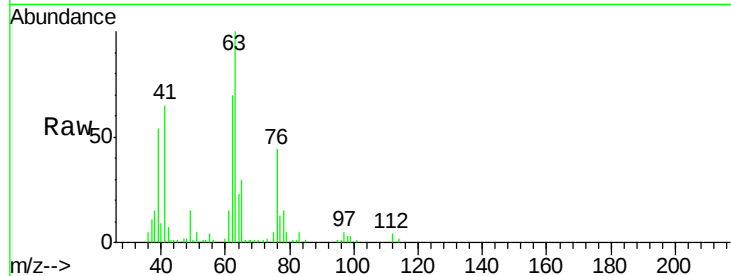
65 30.1 24.7 37.1

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#46

Dibromomethane

Concen: 19.608 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

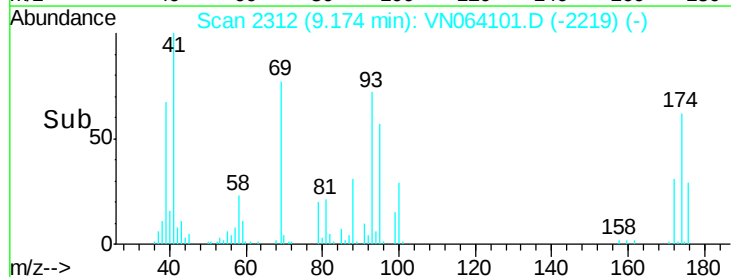
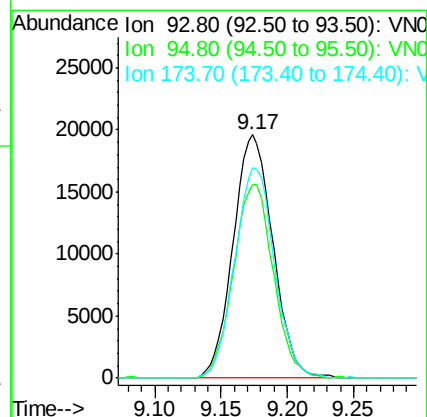
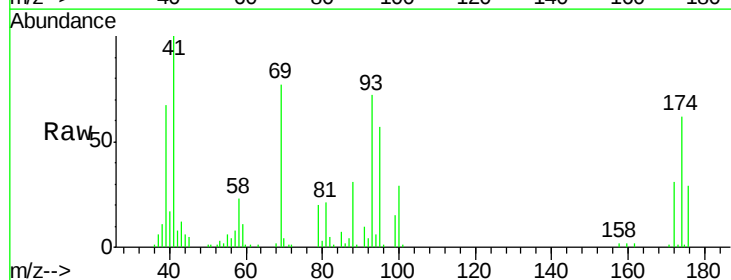
Tgt Ion: 93 Resp: 40879

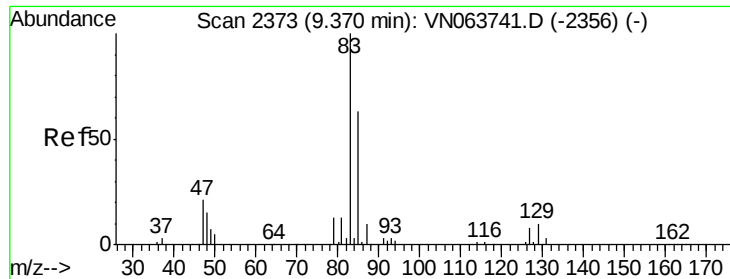
Ion Ratio Lower Upper

93 100

95 79.6 66.3 99.5

174 86.7 72.7 109.1





#47

Bromodichloromethane

Concen: 19.192 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

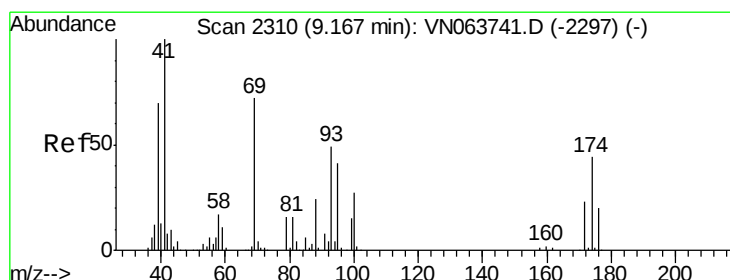
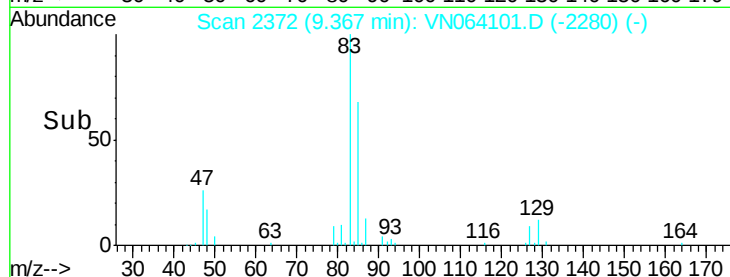
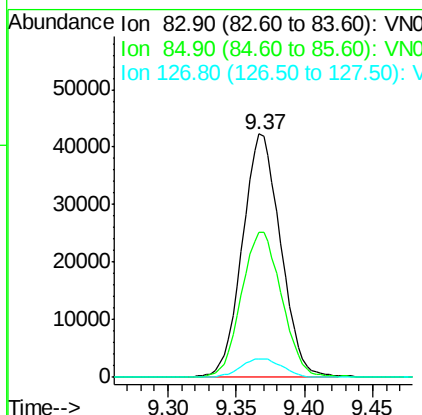
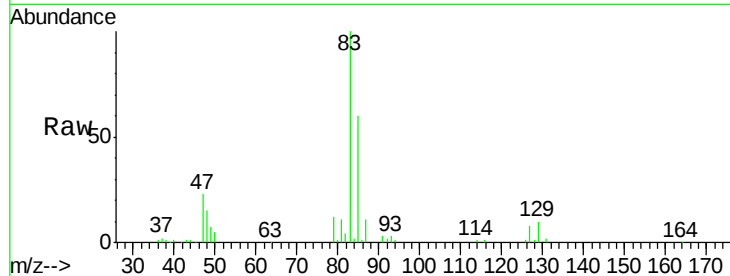
ClientSampleId :

VN1013WBSD01

Tot Ion:	83	Resp:	82465
Ion Ratio	Lower	Upper	
83	100		
85	59.5	50.6	75.8
127	7.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.690 ug/l

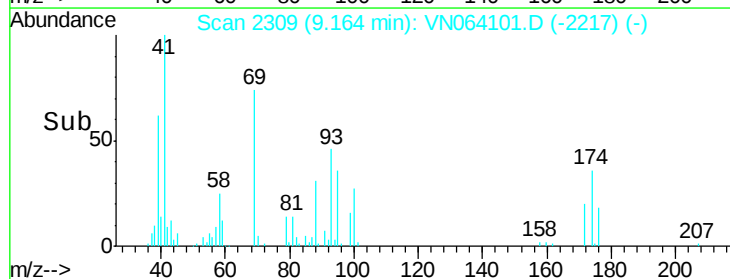
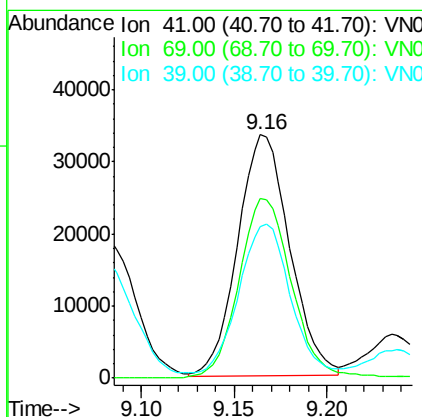
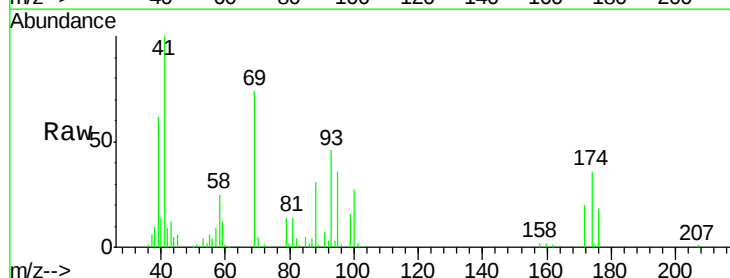
RT: 9.16 min Scan# 2309

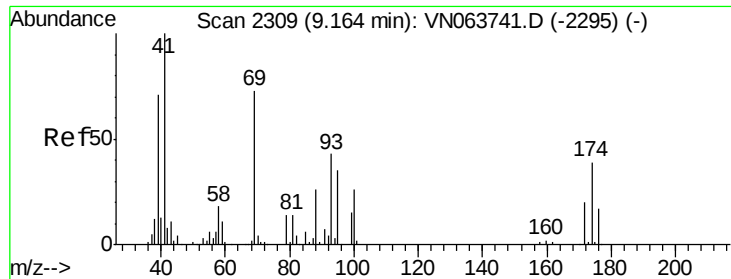
Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	41	Resp:	65631
Ion Ratio	Lower	Upper	
41	100		
69	75.6	60.9	91.3
39	64.0	57.5	86.3





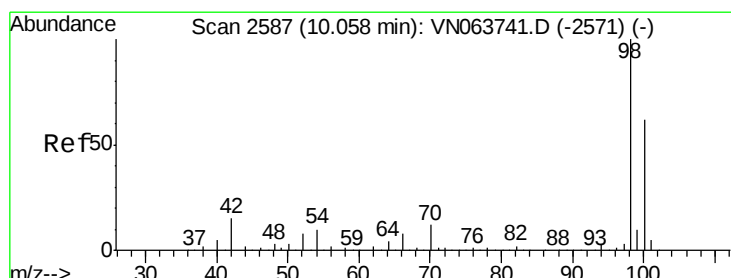
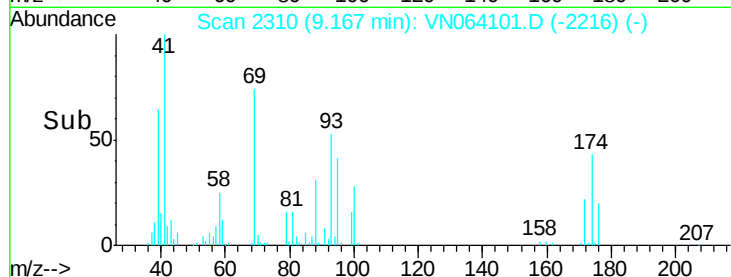
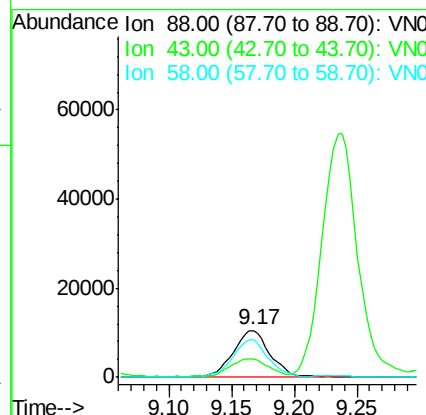
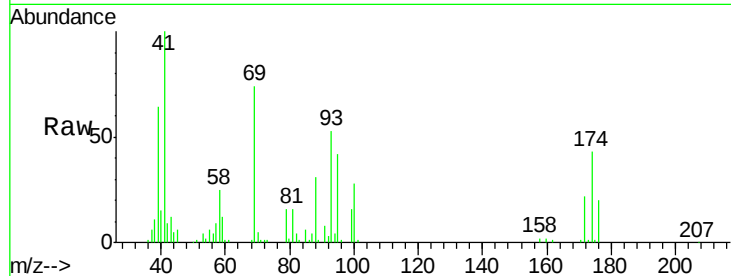
#49
1,4-Dioxane
Concen: 478.347 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	21565		
43	38.1		33.1	49.7
58	77.3		58.9	88.3

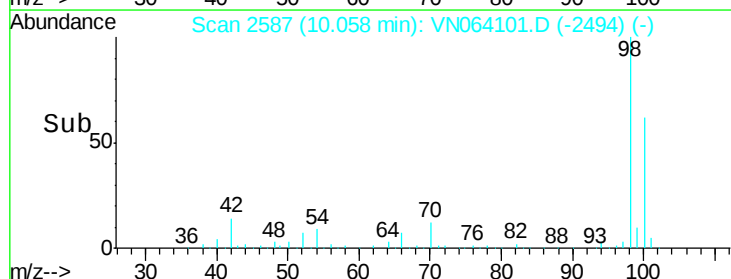
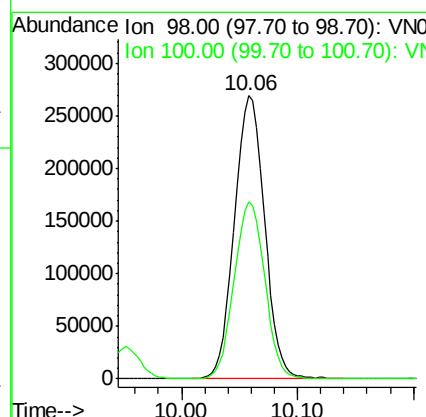
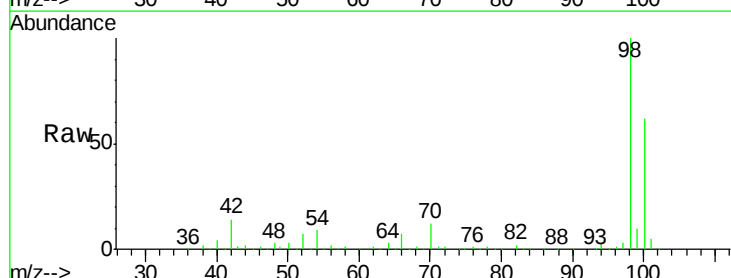
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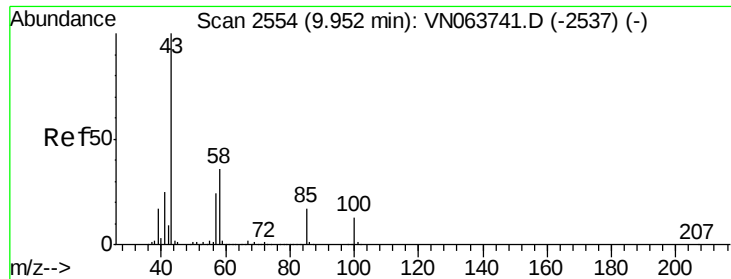
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#50
Toluene-d8
Concen: 47.658 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	484796		
100	63.1		49.8	74.6





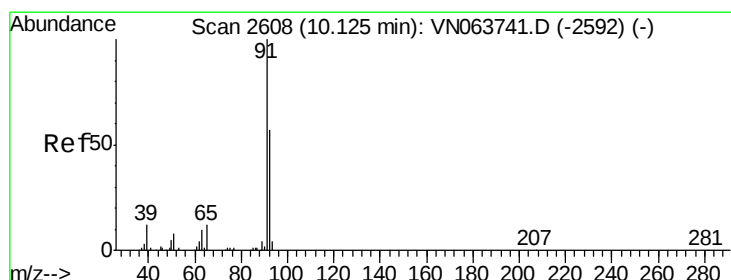
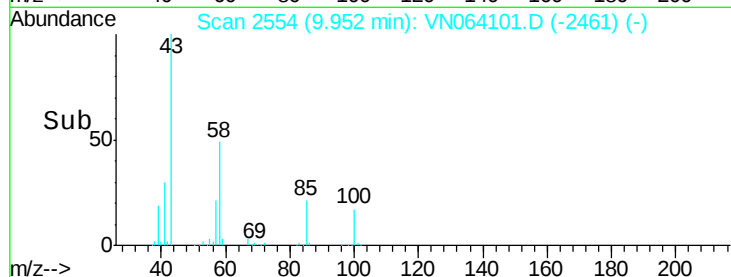
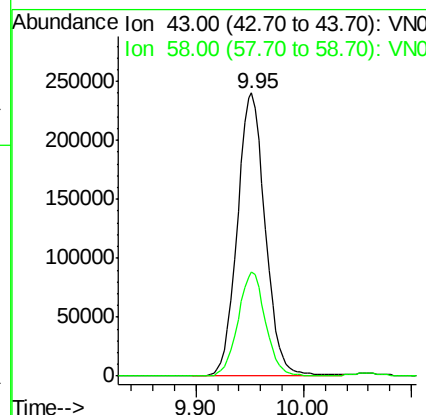
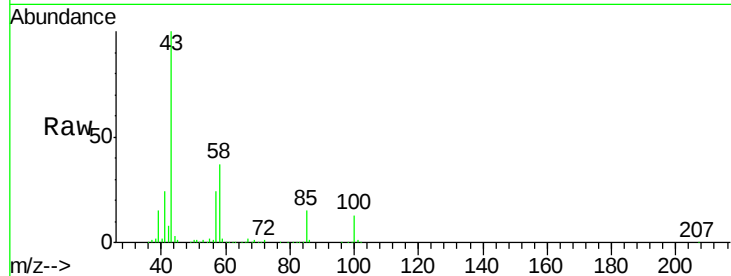
#51
4-Methyl-2-Pentanone
Concen: 114.540 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	43	Resp	431564
Ion Ratio	100	Lower	Upper
58	36.3	28.4	42.6

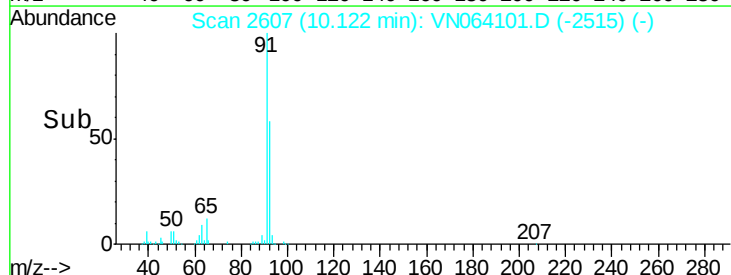
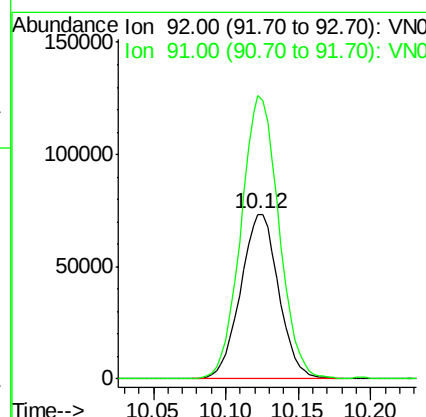
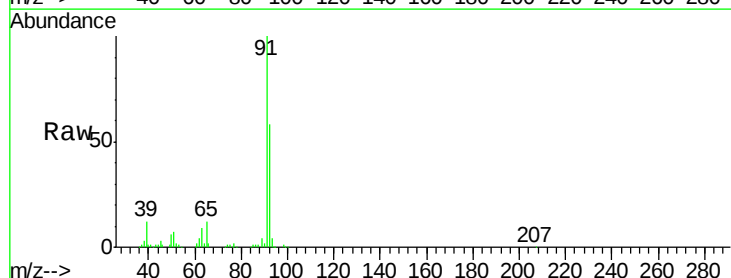
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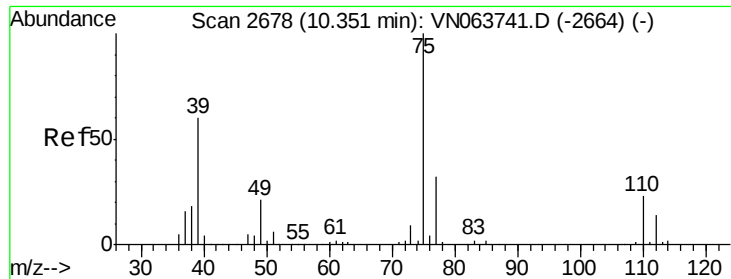
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#52
Toluene
Concen: 19.372 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	92	Resp	134088
Ion Ratio	100	Lower	Upper
91	171.2	140.6	210.8





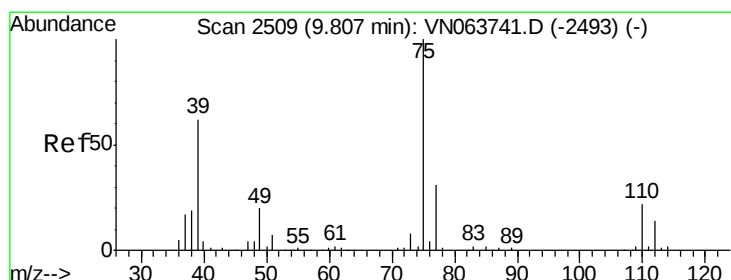
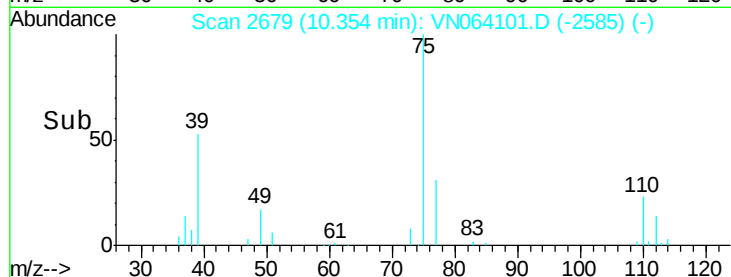
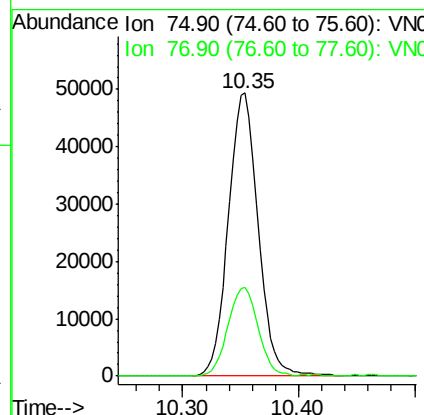
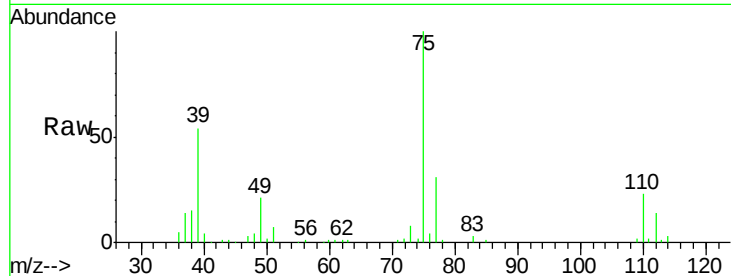
#53
 t-1,3-Dichloropropene
 Concen: 19.065 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion: 75 Resp: 87809
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9

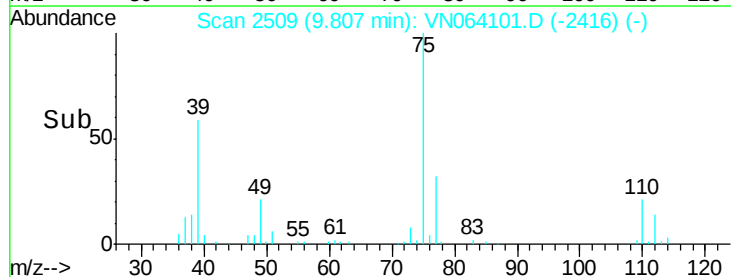
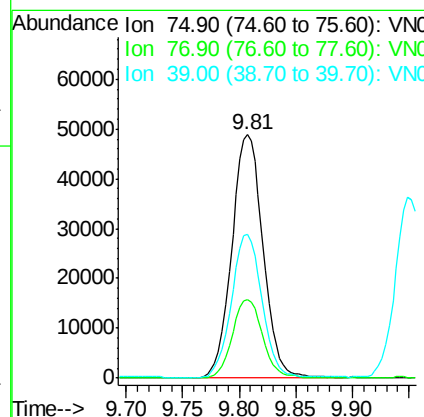
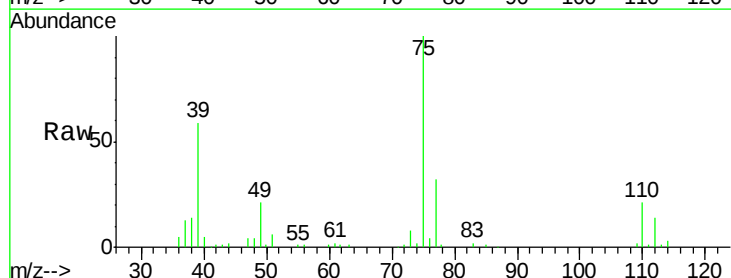
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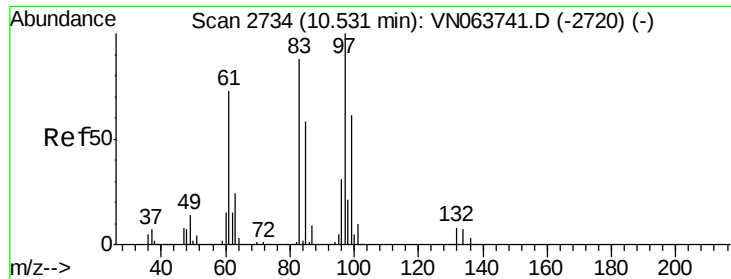
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#54
 cis-1,3-Dichloropropene
 Concen: 19.493 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion: 75 Resp: 93894
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.6 36.8
 39 58.9 49.7 74.5





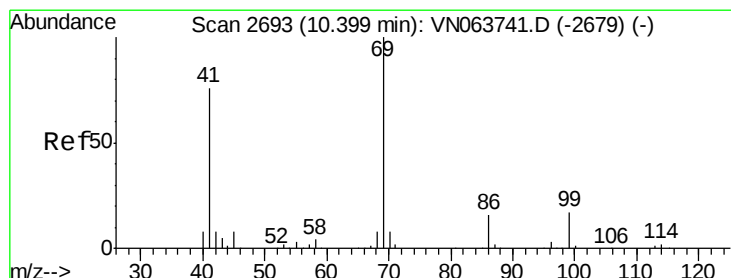
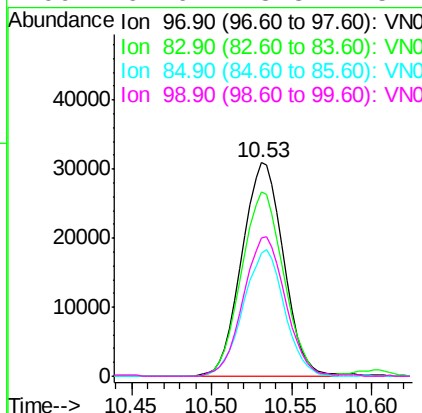
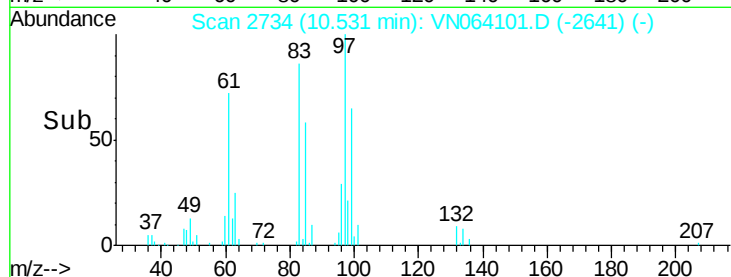
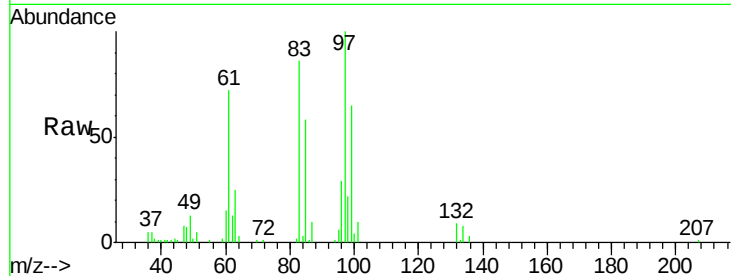
#55
 1,1,2-Trichloroethane
 Concen: 19.867 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.7	106.1
85	57.7	46.1	69.1
99	64.6	48.8	73.2

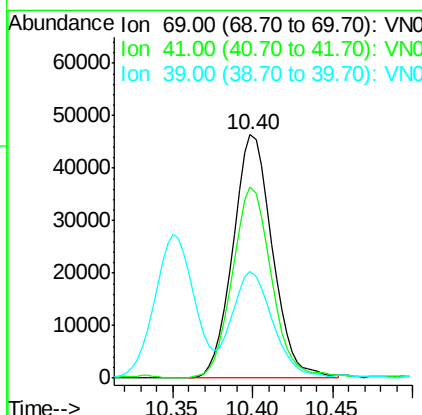
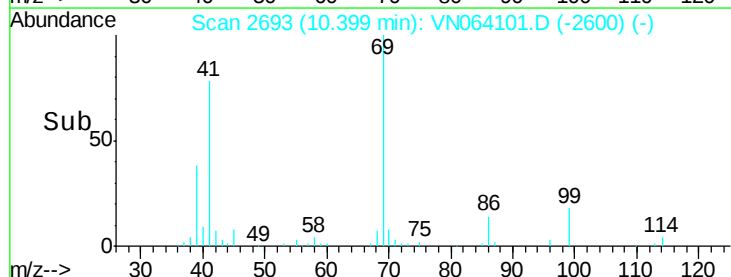
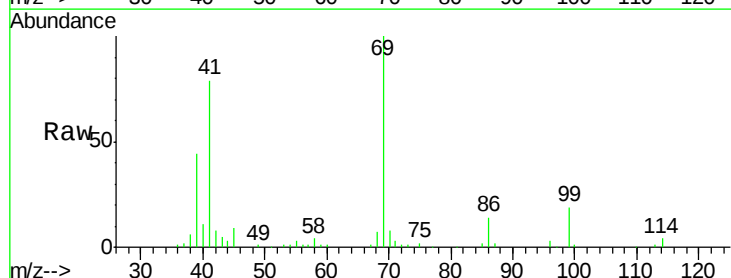
Manual Integrations
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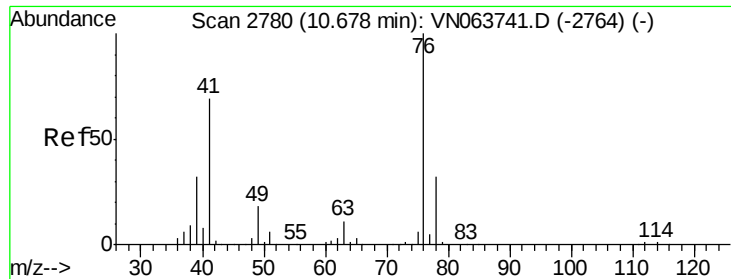
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#56
 Ethyl methacrylate
 Concen: 19.837 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.0	61.1	91.7
39	44.1	42.2	63.4





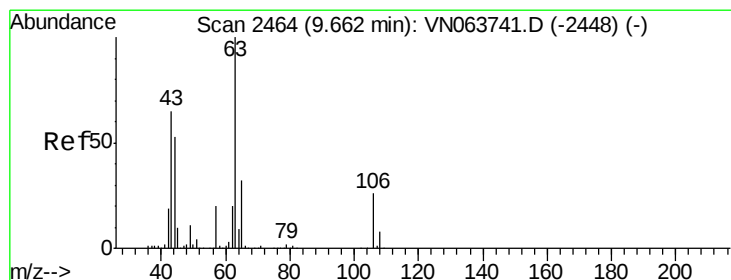
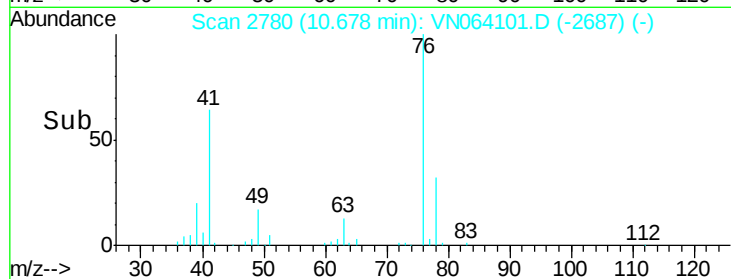
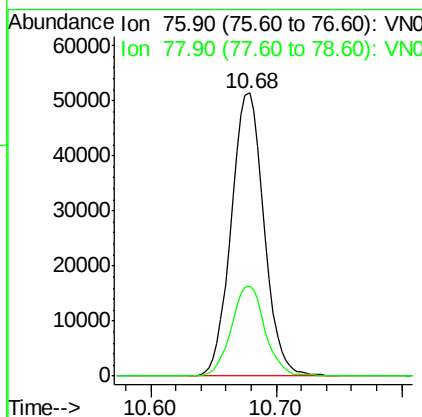
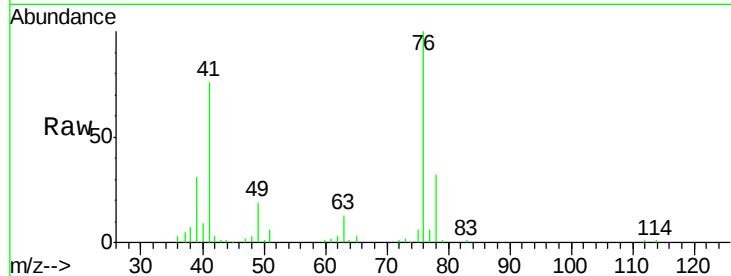
#57
 1,3-Dichloropropane
 Concen: 19.896 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion: 76 Resp: 93434
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8

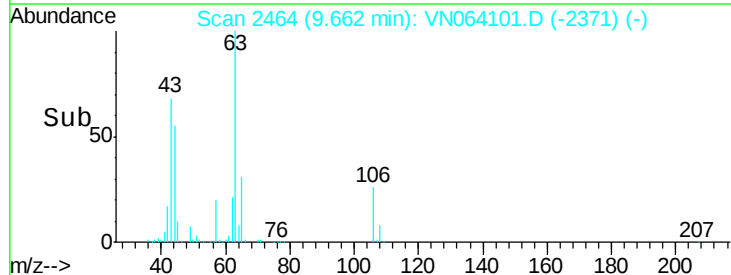
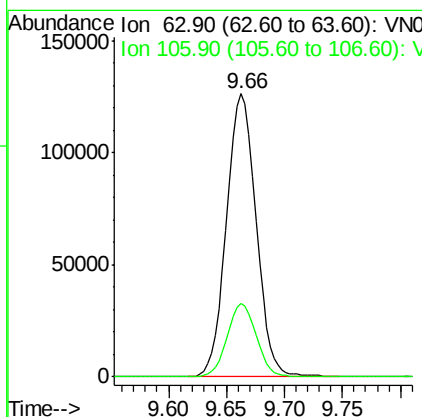
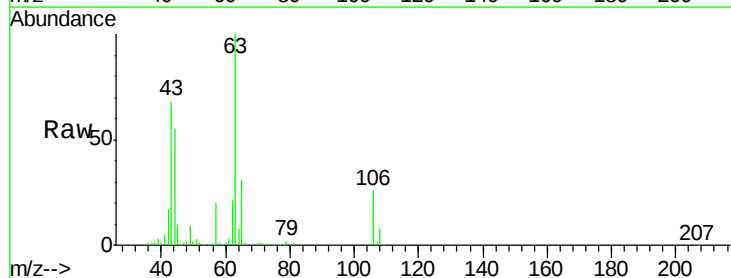
Manual Integrations
 APPROVED

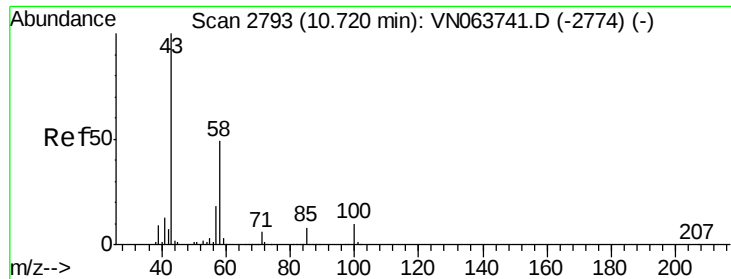
MMDadoda
 10/14/2020 2:09:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.171 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion: 63 Resp: 223453
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.7 31.1





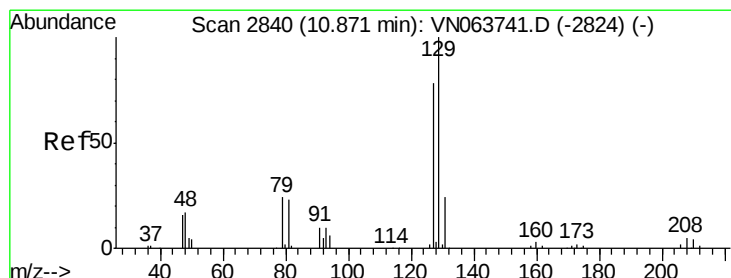
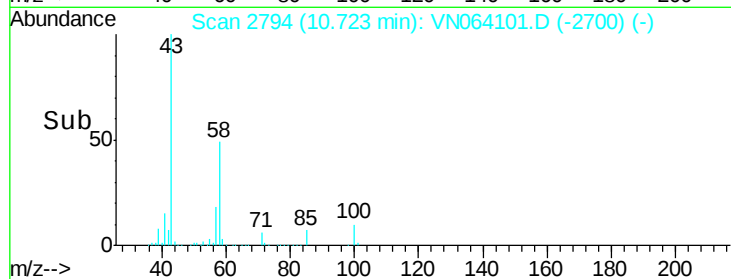
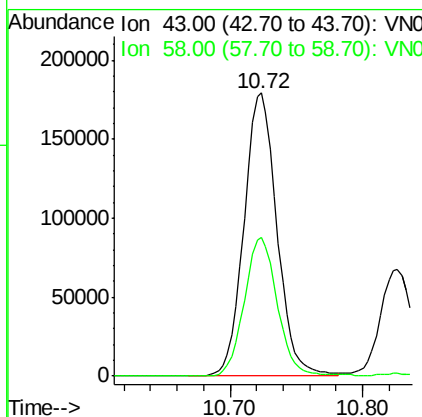
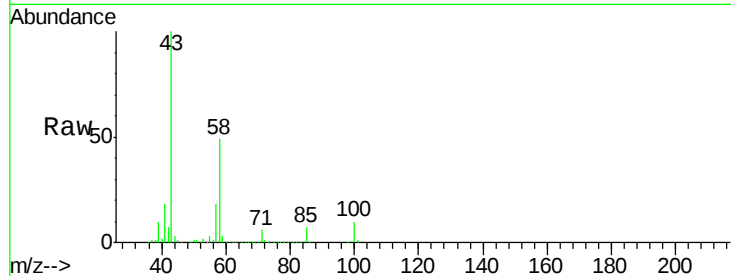
#59
2-Hexanone
Concen: 110.614 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	43	Resp	309604
Ion Ratio	100	Lower	Upper
43	100		
58	49.3	24.6	73.8

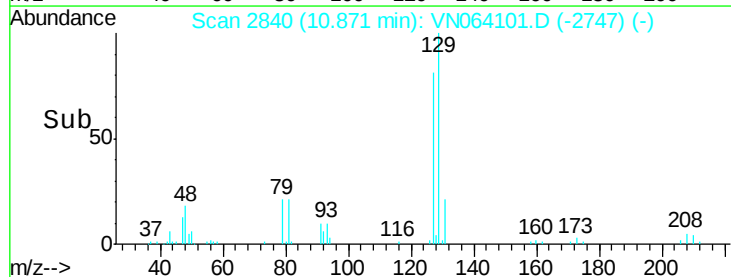
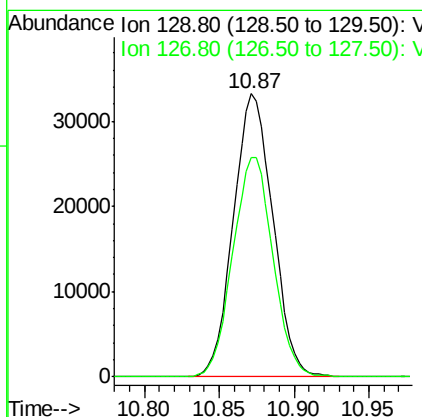
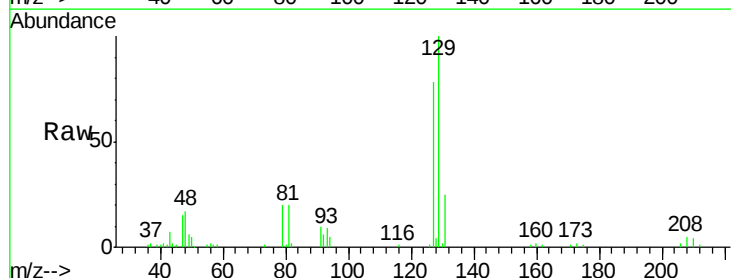
Manual Integrations
APPROVED

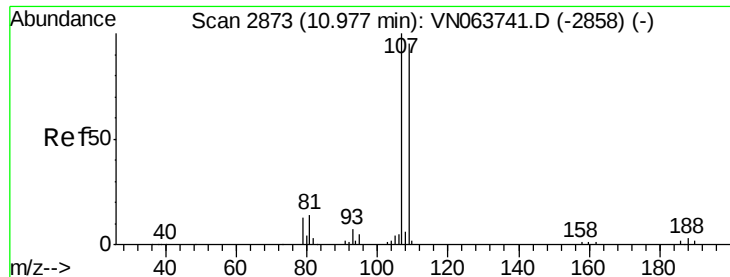
MMDadoda
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#60
Dibromochloromethane
Concen: 18.861 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	129	Resp	60971
Ion Ratio	100	Lower	Upper
129	100		
127	78.9	38.9	116.7





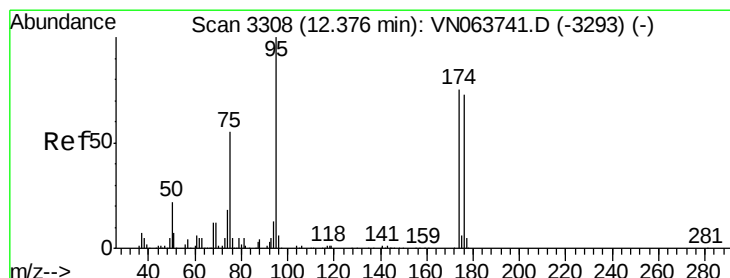
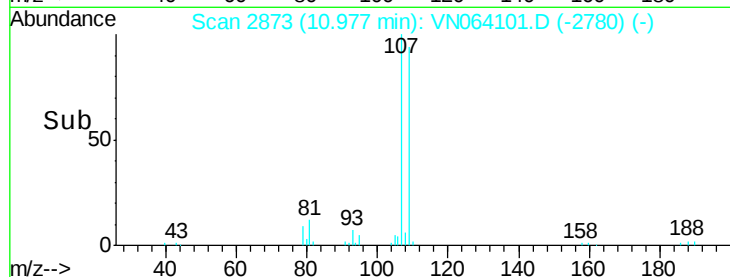
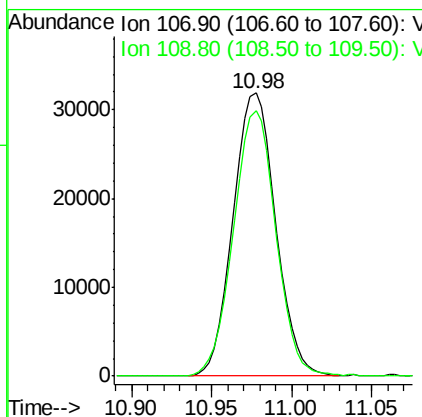
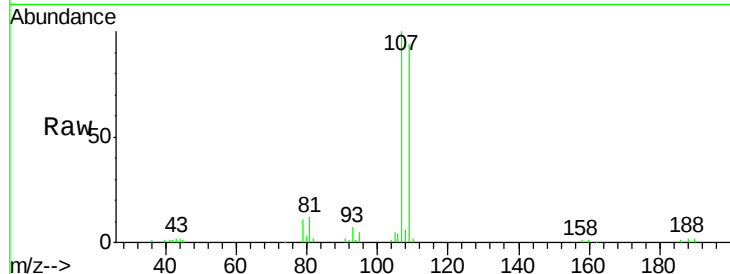
#61
 1,2-Dibromoethane
 Concen: 20.404 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.8	112.2

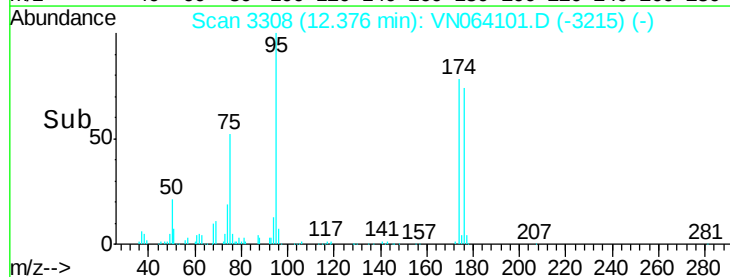
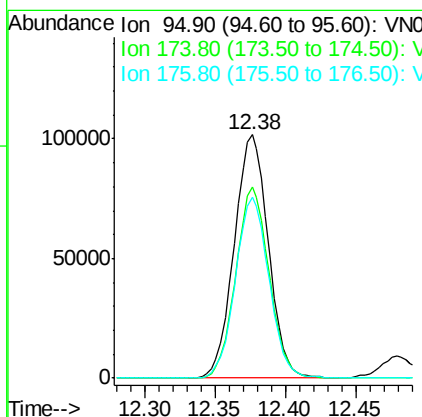
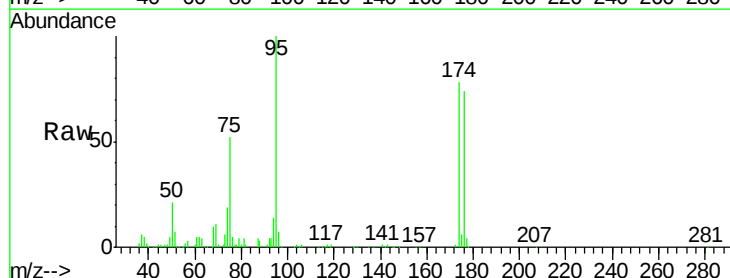
Manual Integrations
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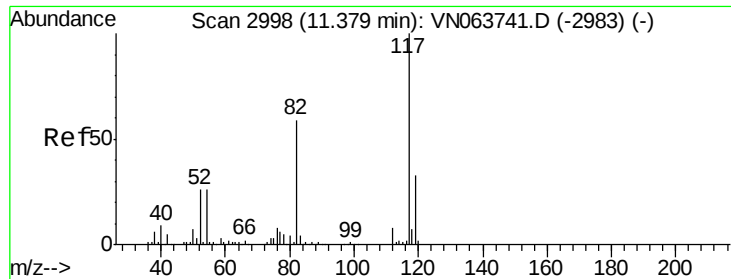
MMDadoda
 10/14/2020 2:09:12 PM



#62
 4-Bromofluorobenzene
 Concen: 45.098 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	150.6
176	73.4	0.0	145.4





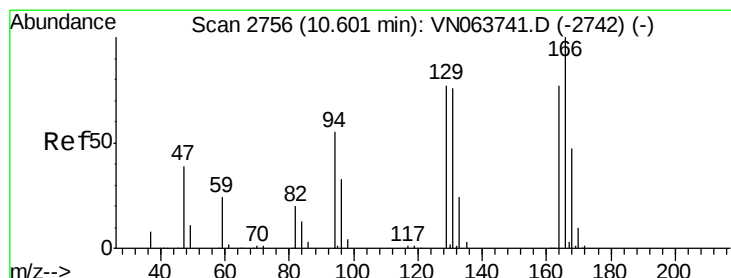
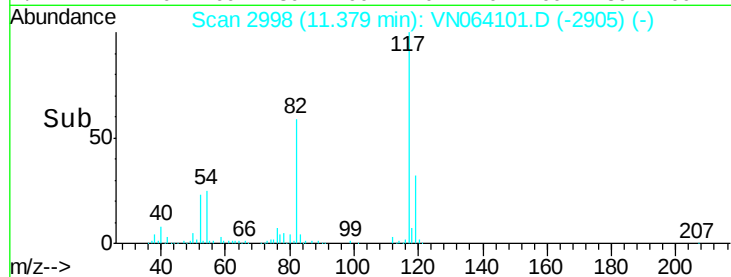
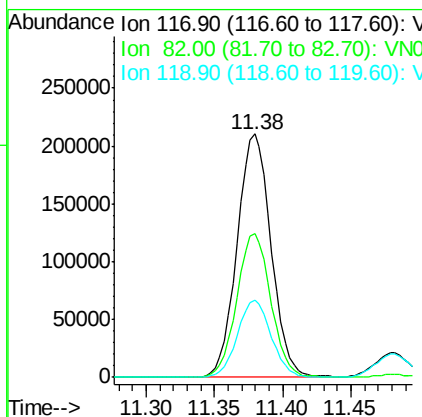
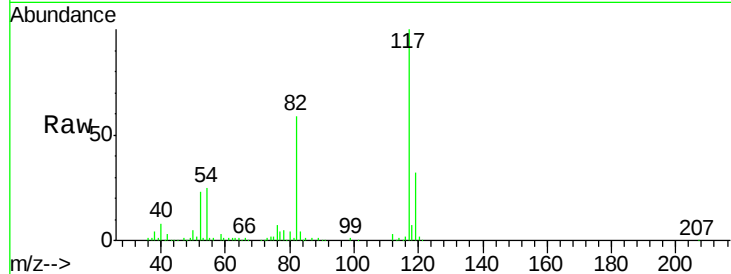
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363808		
82	59.1		47.4	71.2
119	31.7		26.4	39.6

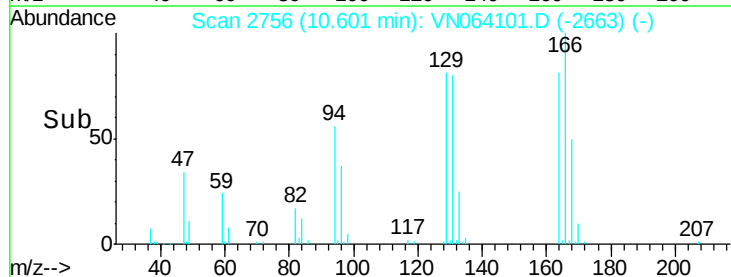
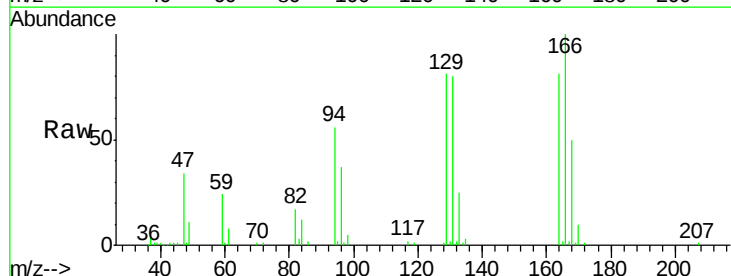
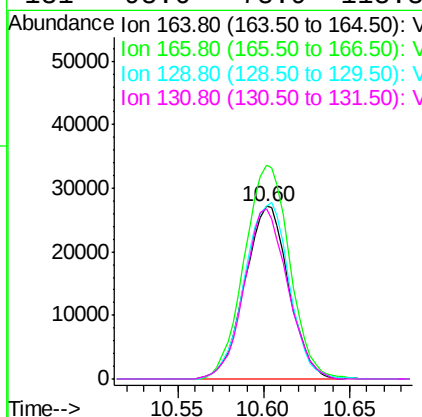
Manual Integrations
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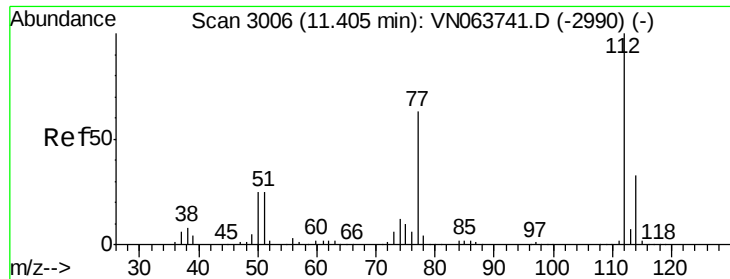
MMDadoda
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#64
Tetrachloroethene
Concen: 17.122 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48194		
166	123.7		103.9	155.9
129	100.2		80.3	120.5
131	98.6		78.9	118.3





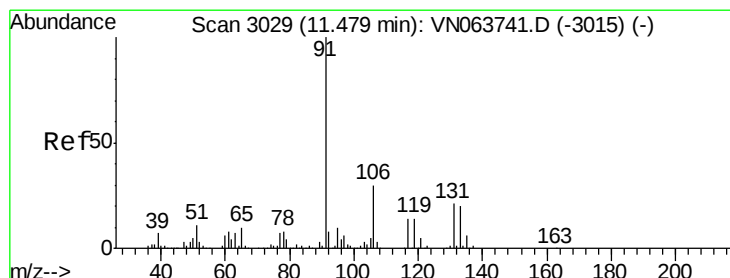
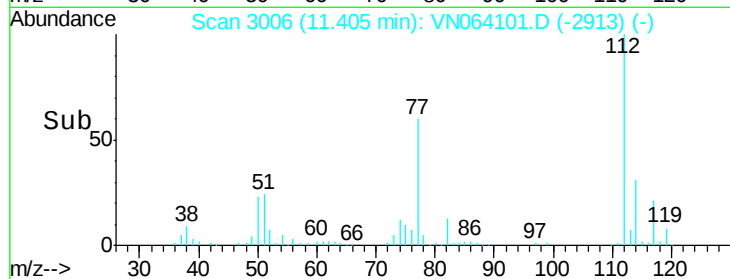
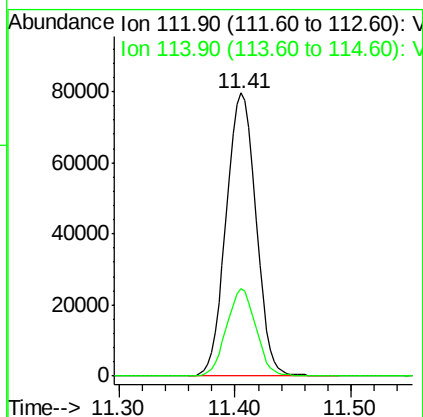
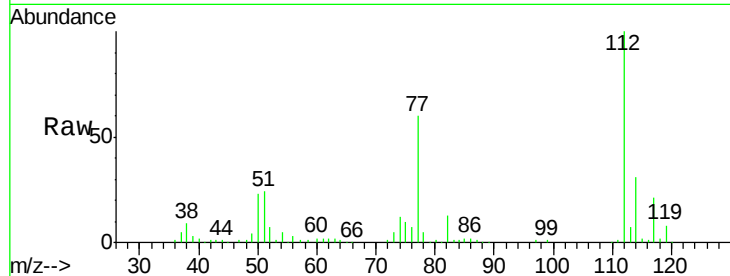
#65
Chlorobenzene
Concen: 18.962 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion:112 Resp: 141507
Ion Ratio Lower Upper
112 100
114 31.0 26.1 39.1

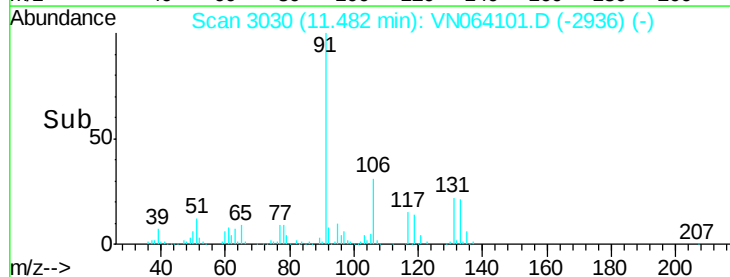
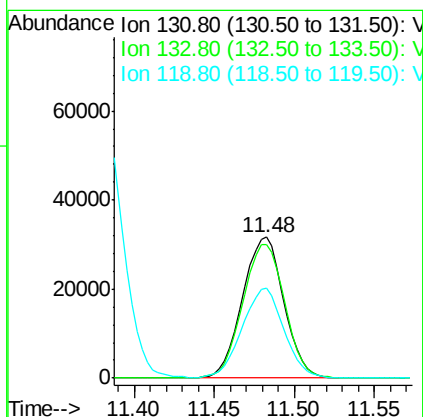
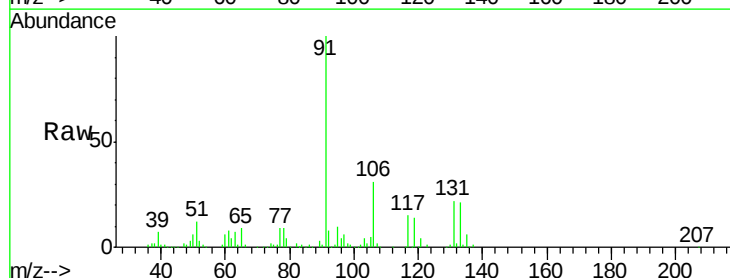
Manual Integrations
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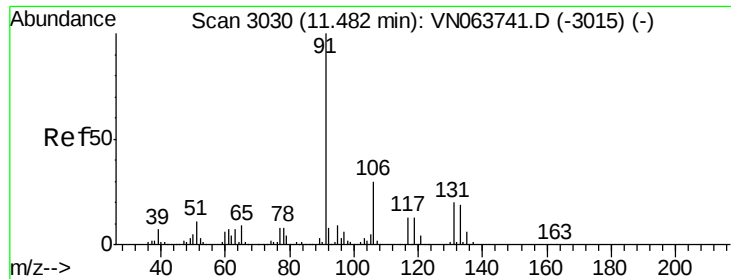
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion:131 Resp: 56002
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.8
119 64.4 32.6 97.7





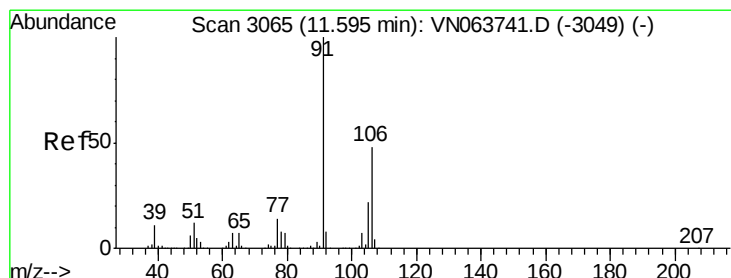
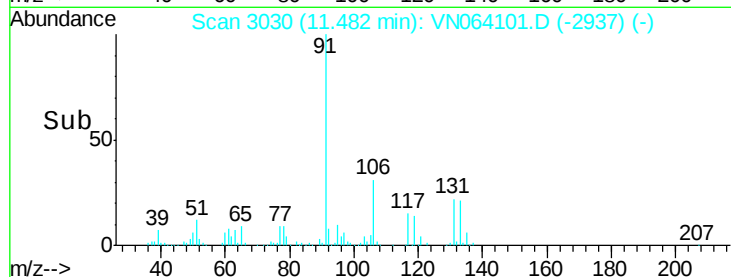
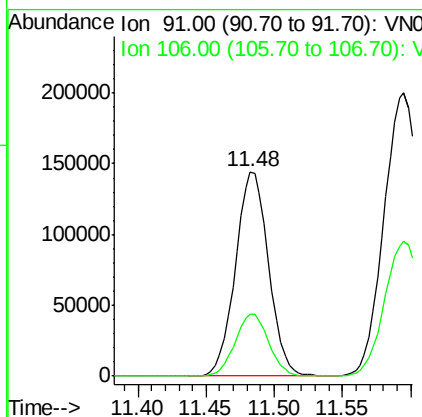
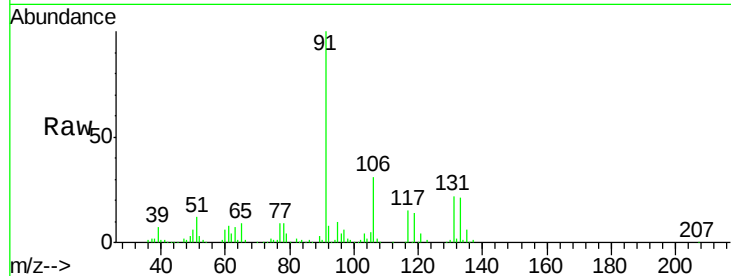
#67
Ethyl Benzene
Concen: 17.910 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion: 91 Resp: 243216
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

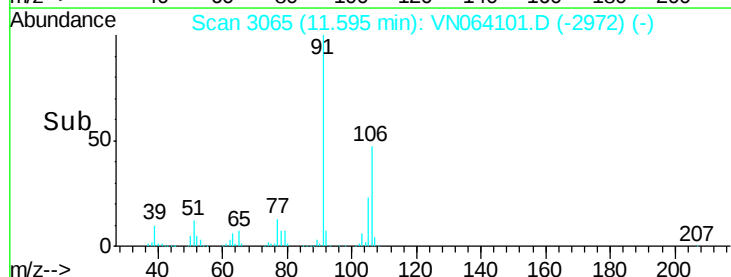
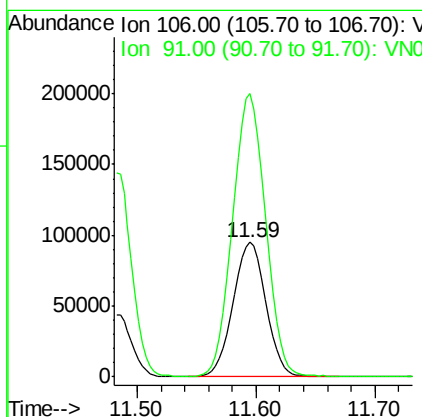
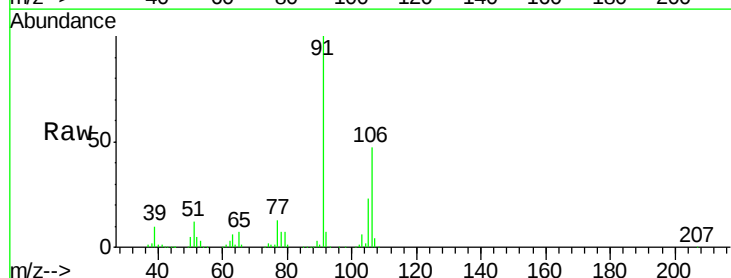
Manual Integrations
APPROVED

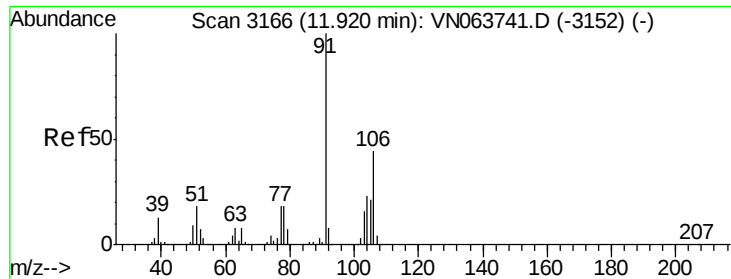
MMDadoda
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#68
m/p-Xylenes
Concen: 35.928 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion: 106 Resp: 181835
Ion Ratio Lower Upper
106 100
91 210.1 168.0 252.0





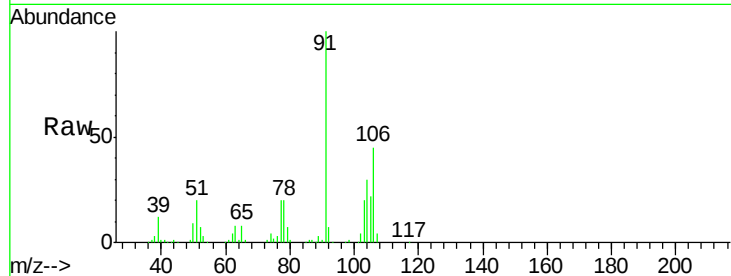
#69
o-Xylene
Concen: 18.224 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

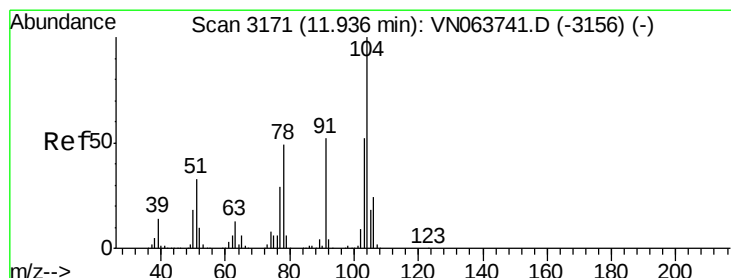
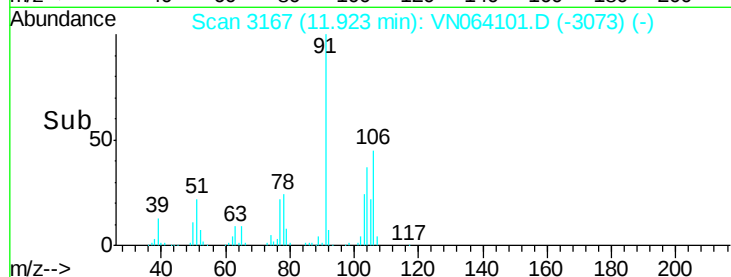
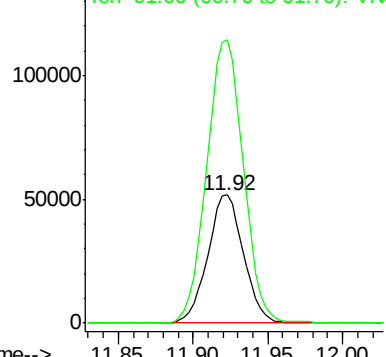
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	86210		
91	91	227.0		112.7	338.0

Manual Integrations
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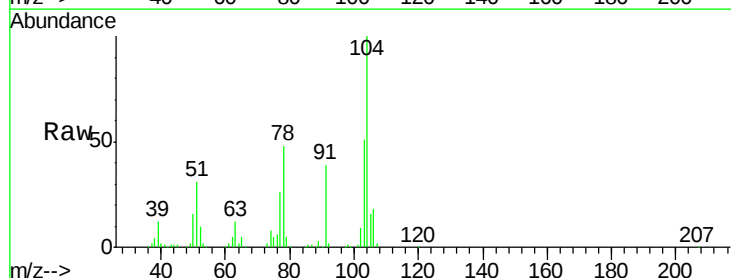


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

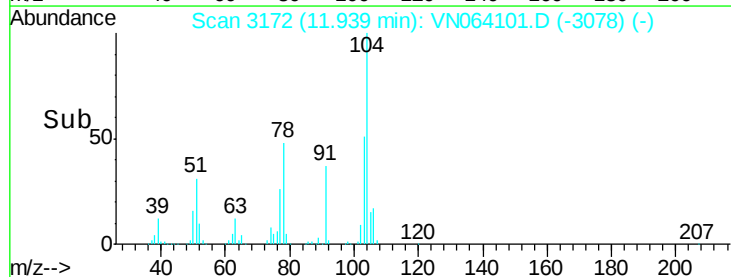
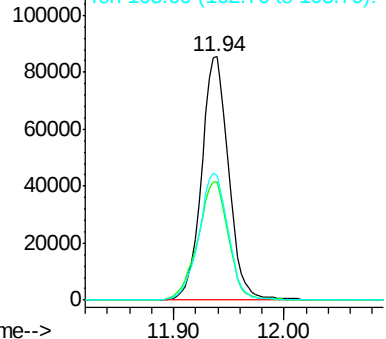


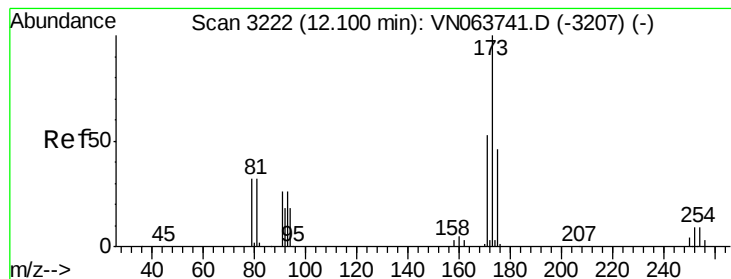
#70
Styrene
Concen: 18.147 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	145717		
78	78	54.6		44.1	66.1
103	103	56.3		44.3	66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.605 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion:173 Resp: 40710

Ion Ratio Lower Upper

173 100

175 48.4 23.5 70.5

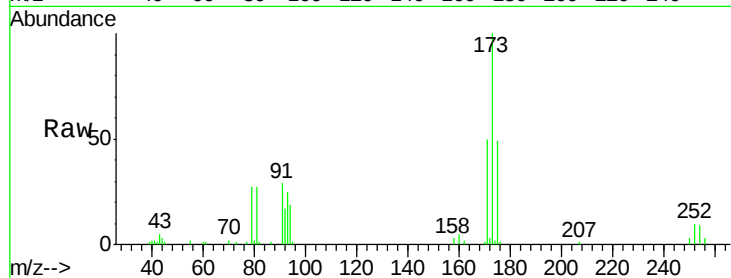
254 0.0 0.0 0.0

Manual Integrations

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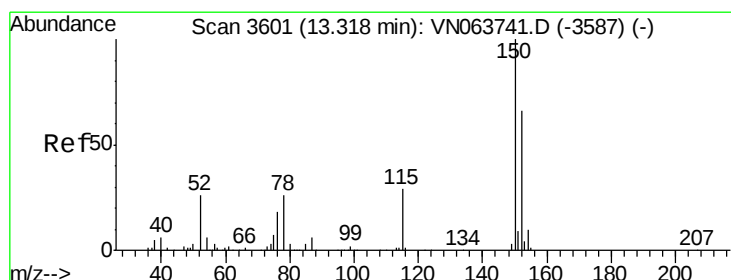
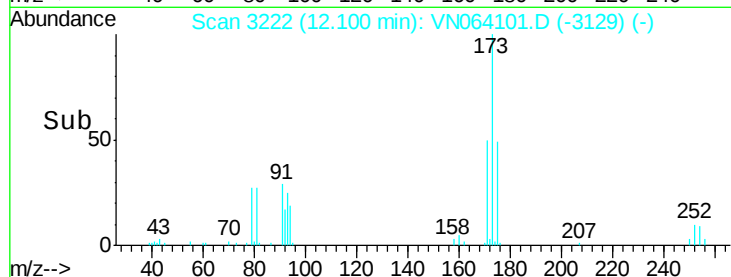
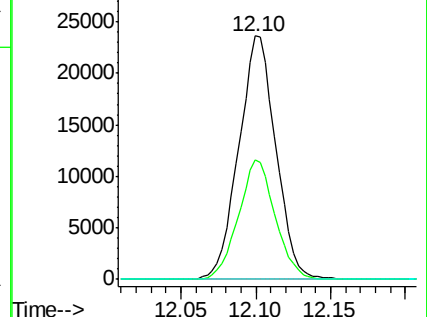
10/14/2020 2:09:12 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

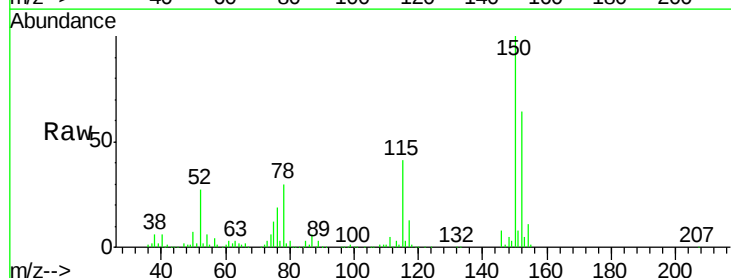
Tgt Ion:152 Resp: 161391

Ion Ratio Lower Upper

152 100

115 64.3 31.3 93.8

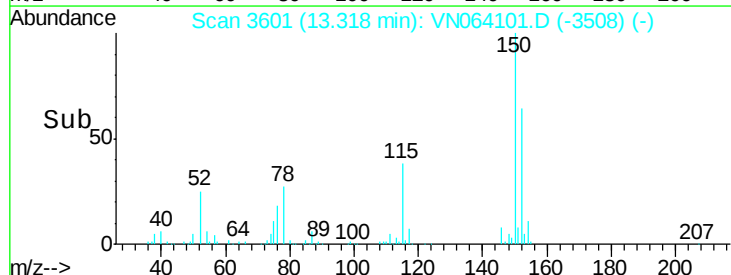
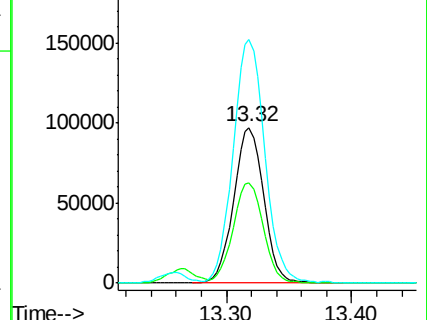
150 163.3 0.0 341.8

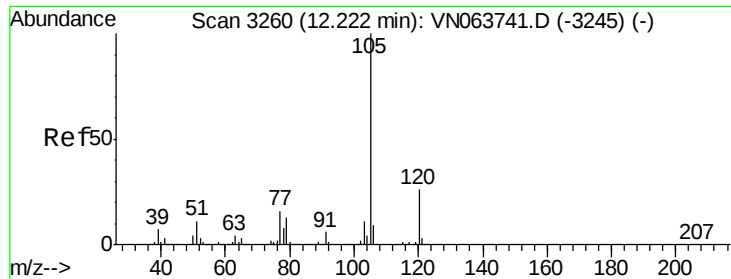


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





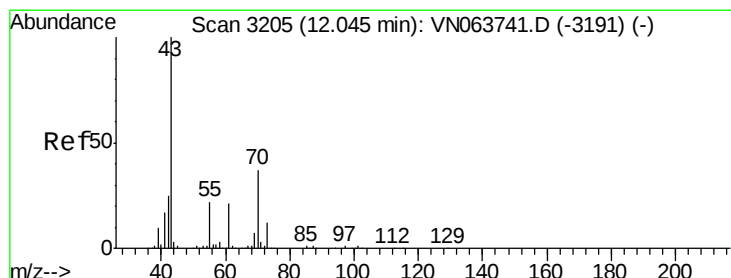
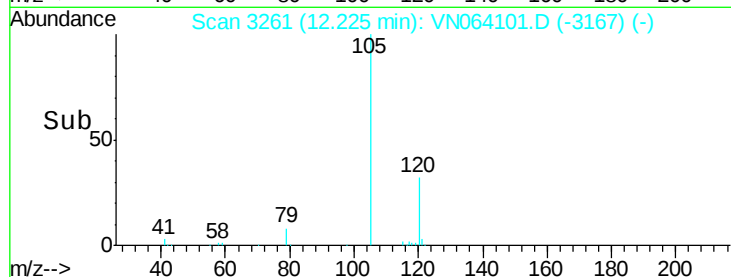
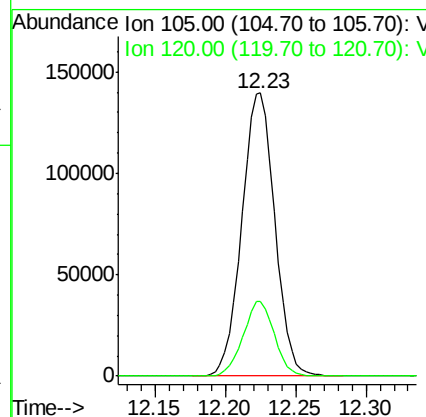
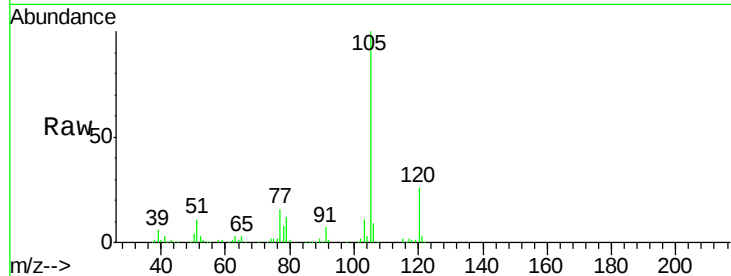
#73
Isopropylbenzene
Concen: 19.479 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.6	37.8

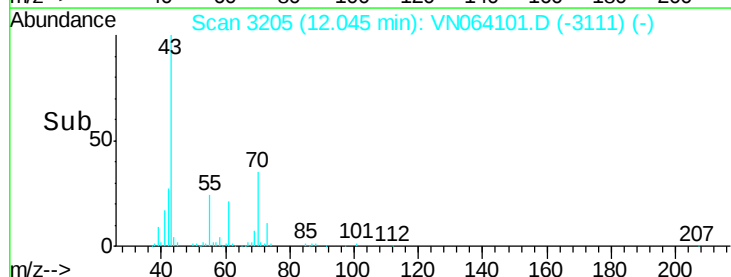
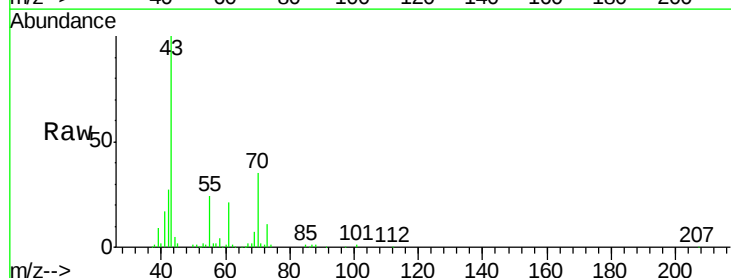
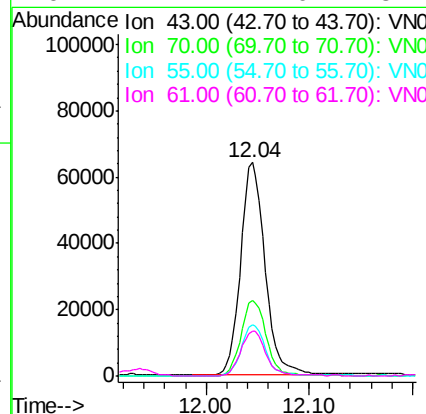
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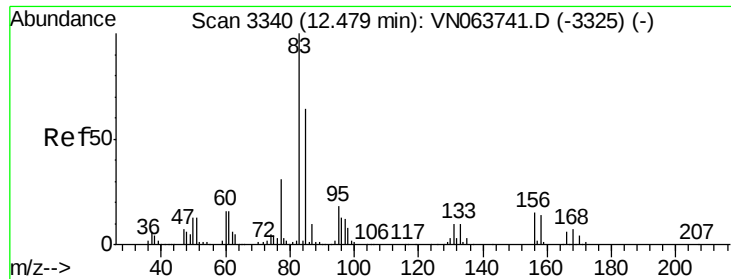
MMDadoda
10/14/2020 2:09:12 PM



#74
N-ethyl acetate
Concen: 21.000 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	29.8	44.8
55	24.0	17.9	26.9
61	21.4	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.530 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

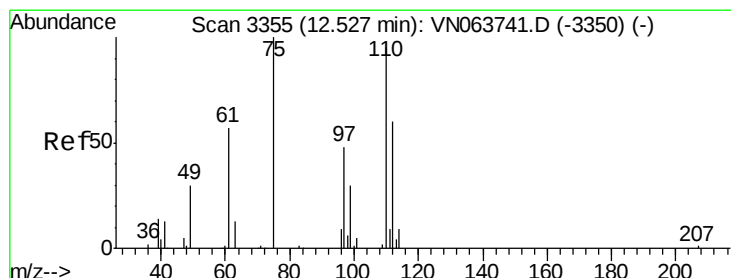
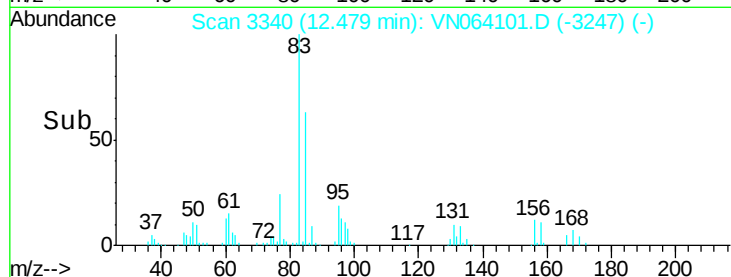
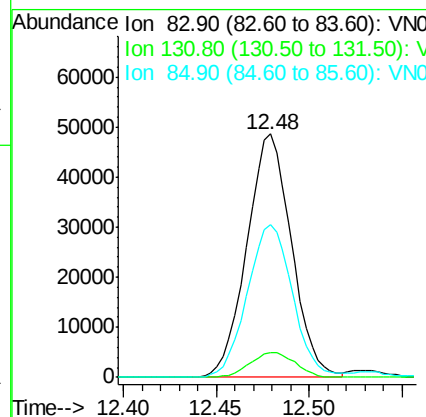
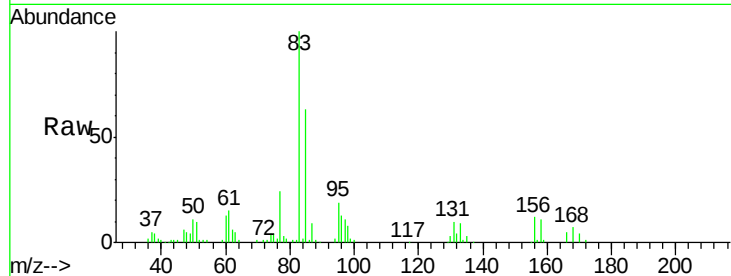
ClientSampleId :

VN1013WBSD01

Tot Ion:	83	Resp:	81102
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	63.4	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.888 ug/l m

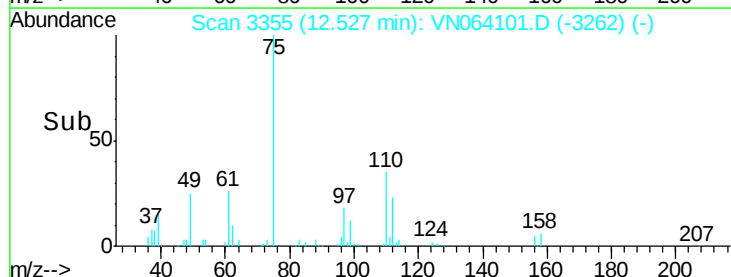
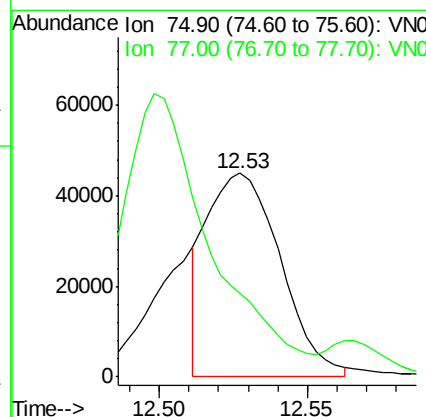
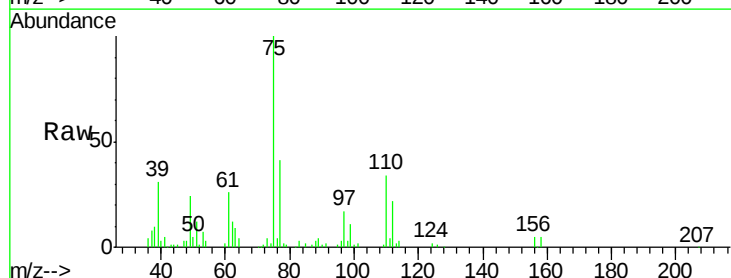
RT: 12.53 min Scan# 3355

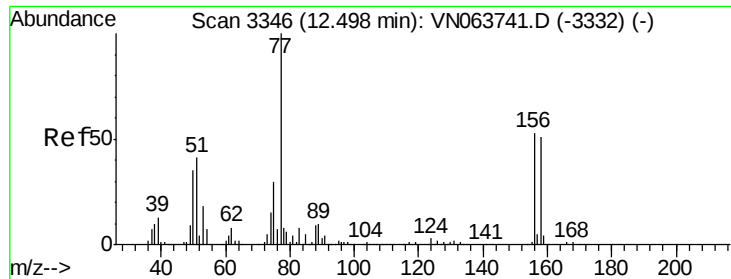
Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	75	Resp:	77869
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





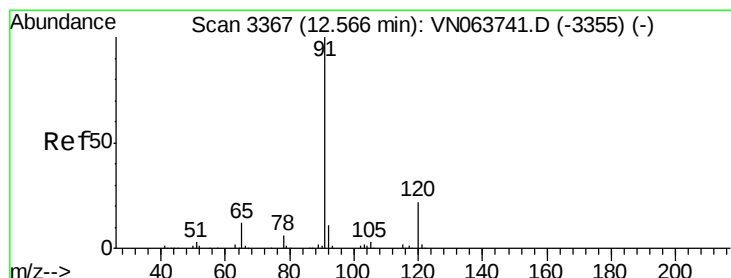
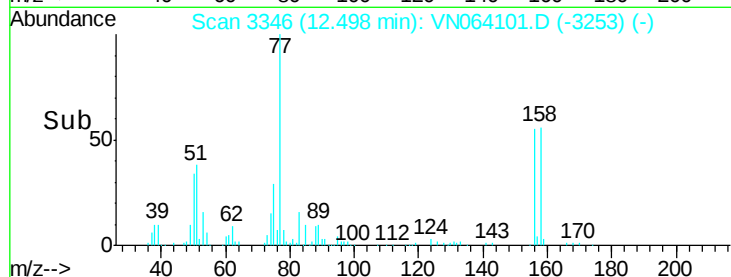
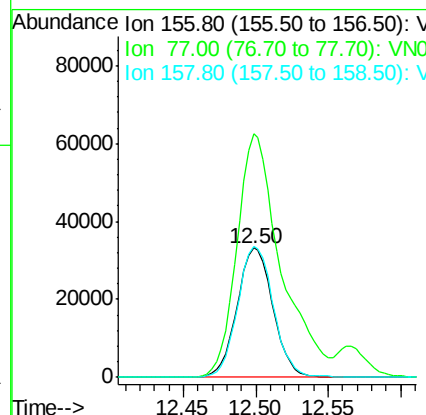
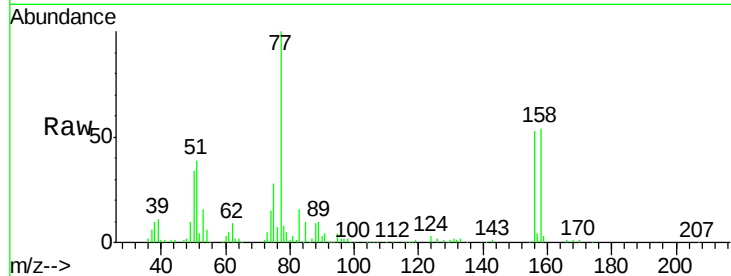
#77
Bromobenzene
Concen: 19.805 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	231.3	110.9	332.7	
158	100.5	47.7	143.1	

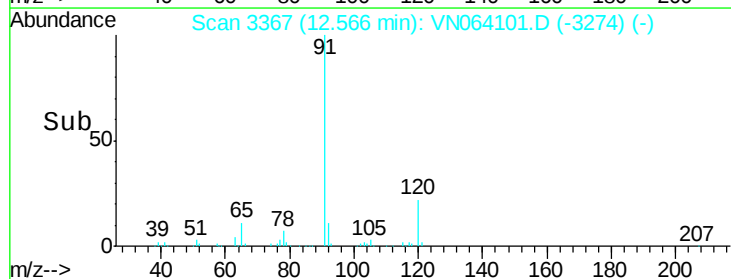
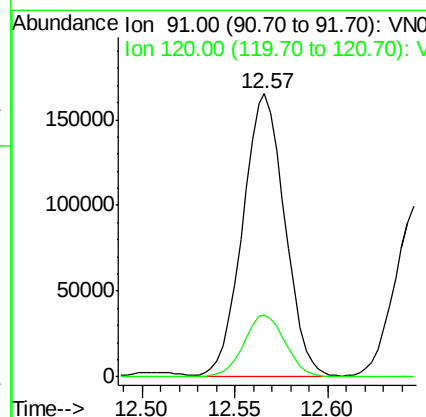
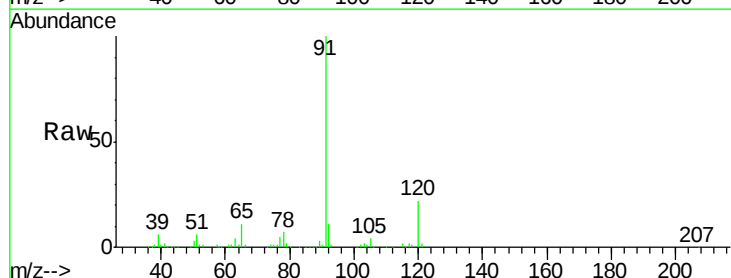
Manual Integrations
APPROVED

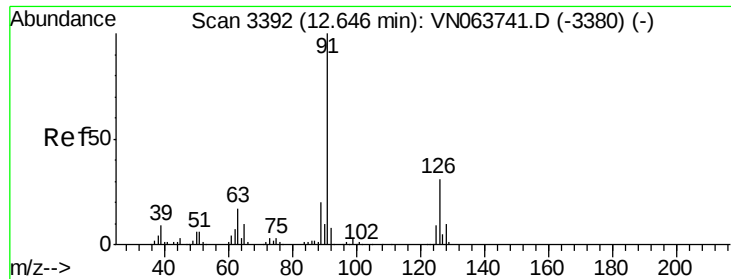
MMDadoda
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#78
n-propylbenzene
Concen: 18.969 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	11.1	33.1	





#79

2-Chlorotoluene

Concen: 19.997 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 91 Resp: 168485

Ion Ratio Lower Upper

91 100

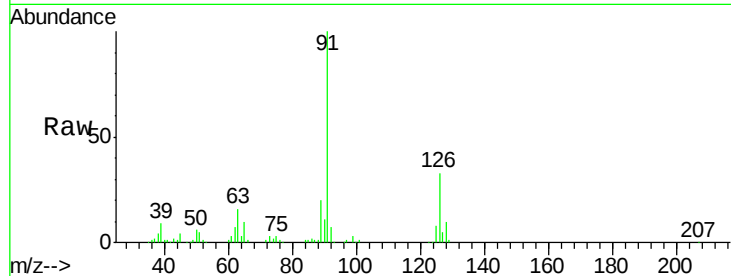
126 32.8 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064101.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064101.D (-3393) (-)

150000

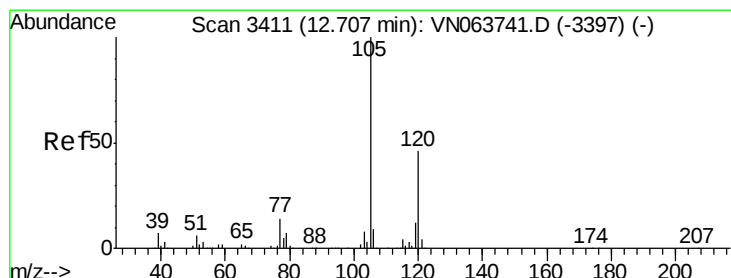
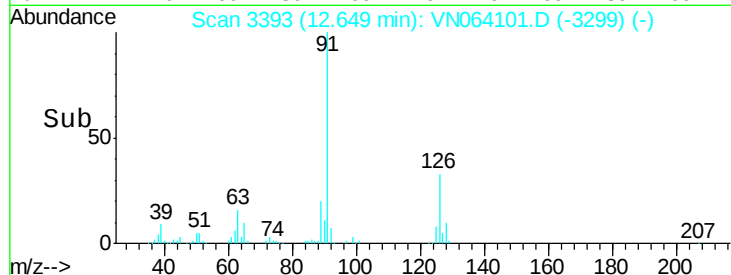
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.492 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064101.D

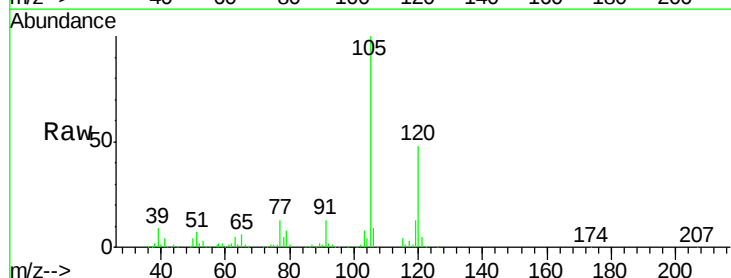
Acq: 13 Oct 2020 15:10

Tgt Ion: 105 Resp: 192505

Ion Ratio Lower Upper

105 100

120 46.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN064101.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064101.D (-3411) (-)

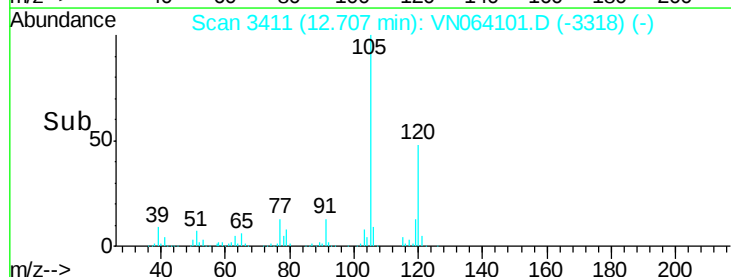
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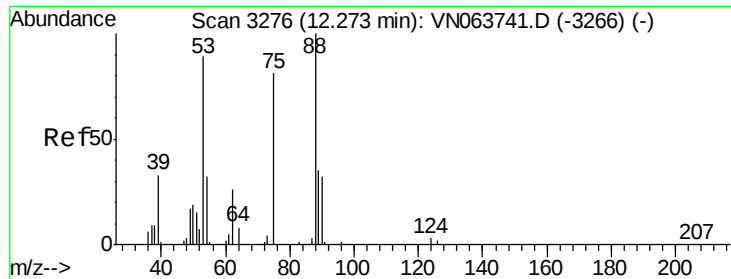
50000

0

12.70 12.71 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.138 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

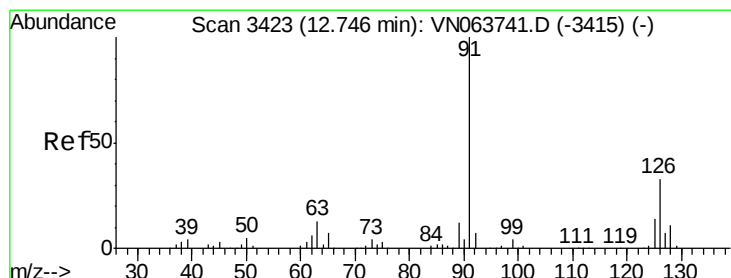
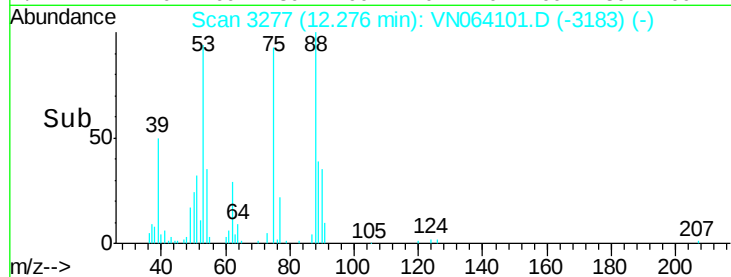
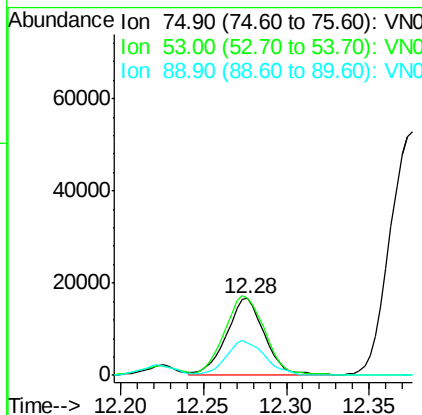
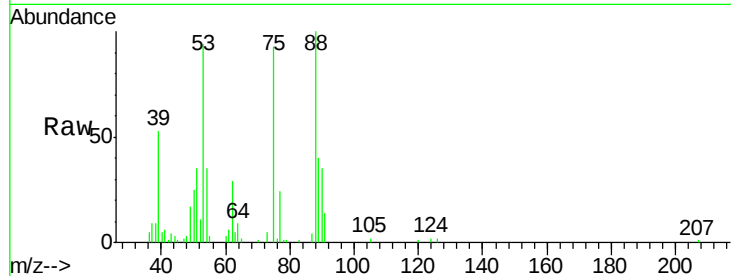
ClientSampleId :

VN1013WBSD01

Tot Ion:	75	Resp:	26111
Ion Ratio	Lower	Upper	
75	100		
53	112.2	88.2	132.2
89	47.0	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.897 ug/l

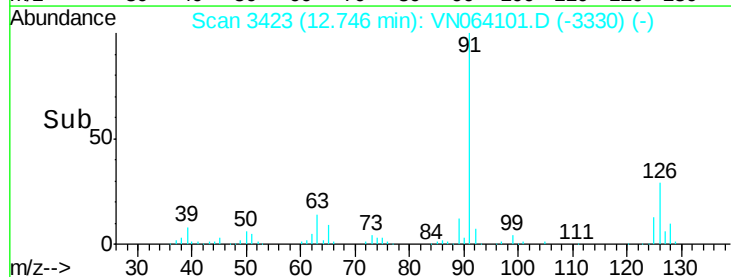
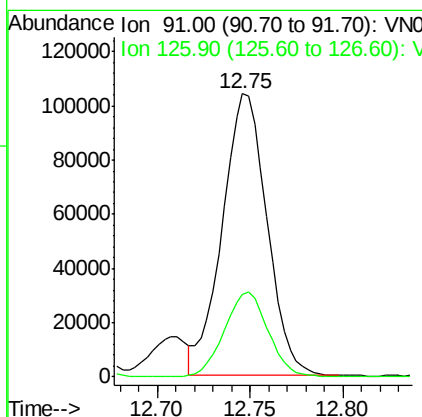
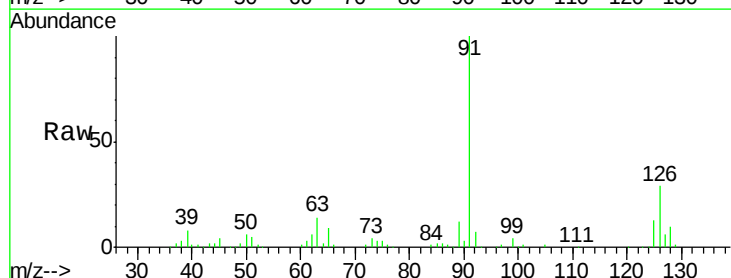
RT: 12.75 min Scan# 3423

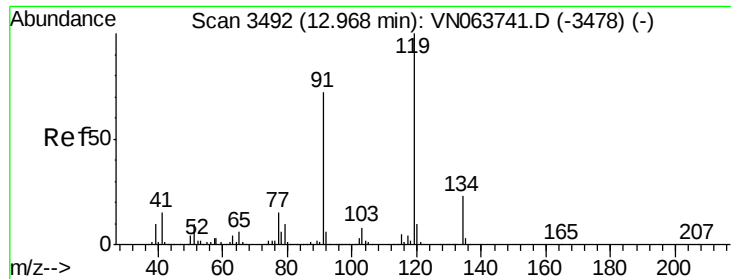
Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	91	Resp:	174032
Ion Ratio	Lower	Upper	
91	100		
126	29.6	15.4	46.2





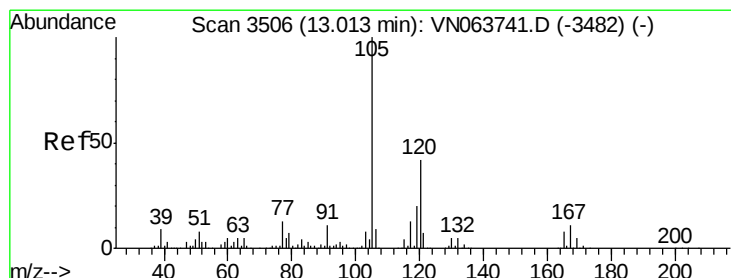
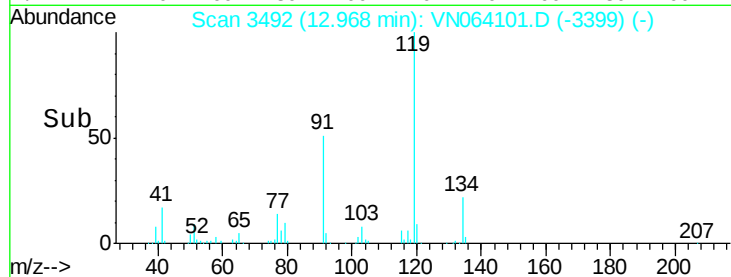
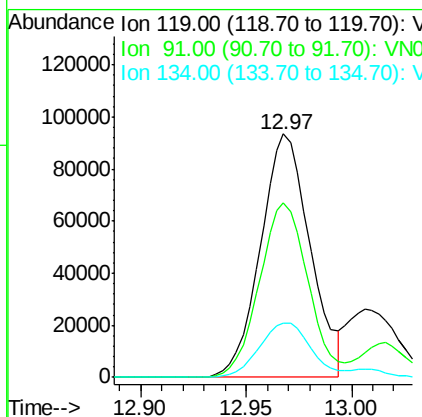
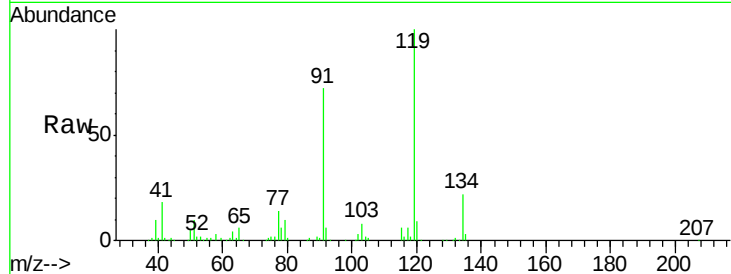
#83
 tert-Butylbenzene
 Concen: 18.966 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	153216		
91	70.2	35.5	106.5	
134	23.2	11.7	35.1	

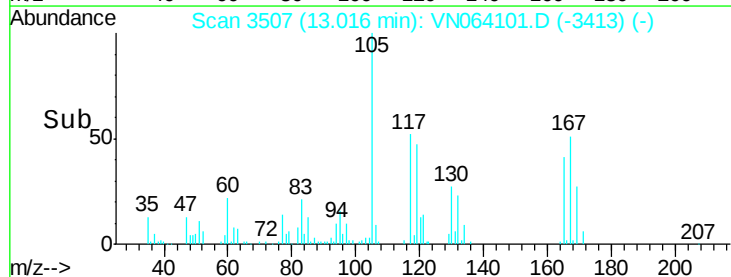
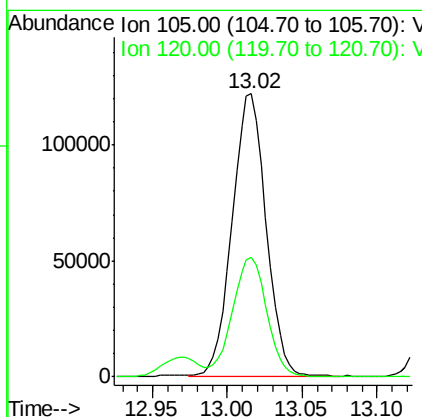
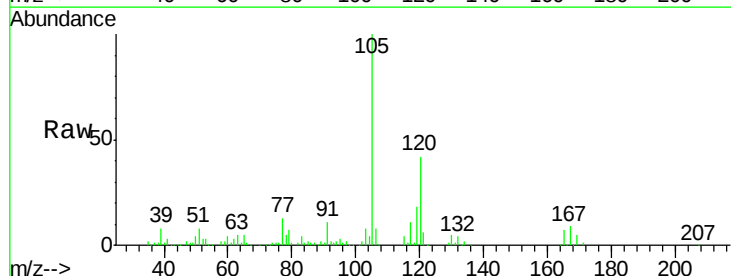
Manual Integrations
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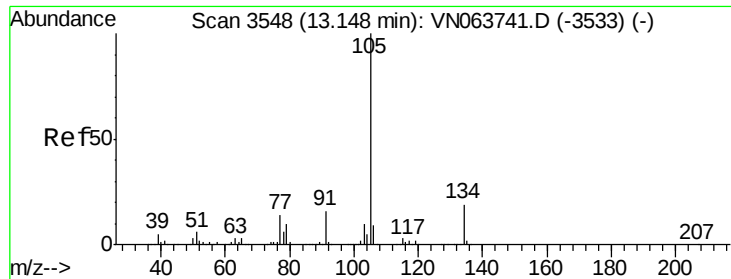
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.449 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191770		
120	43.1	20.9	62.7	





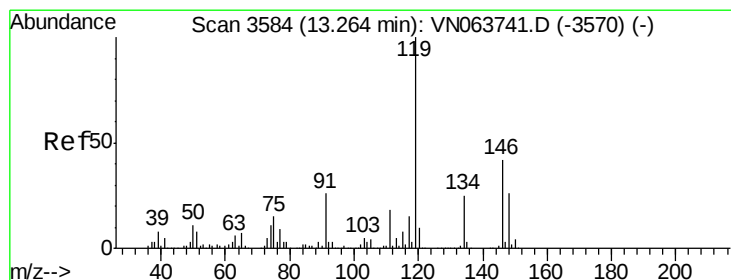
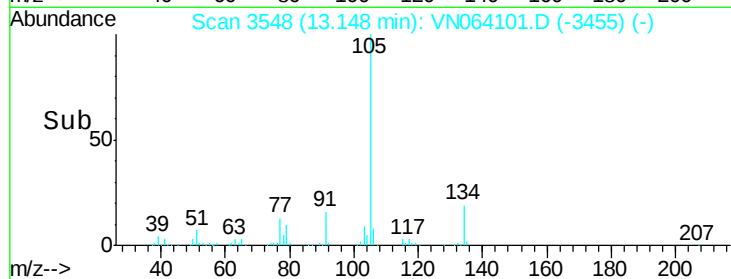
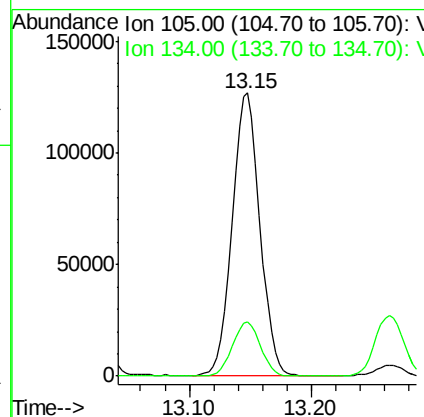
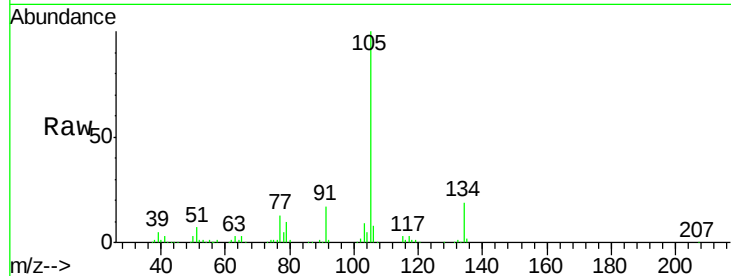
#85
 sec-Butylbenzene
 Concen: 18.901 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200542		
134	19.5	9.5	28.5	

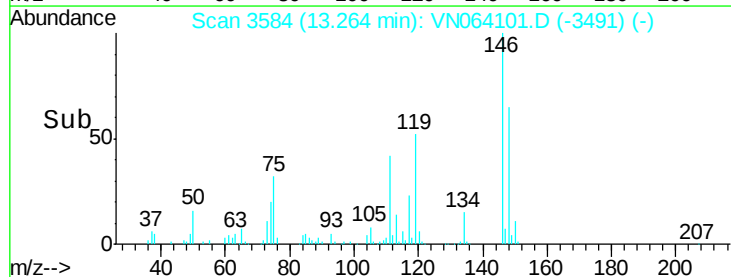
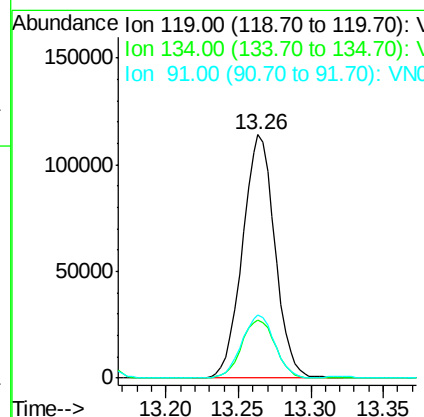
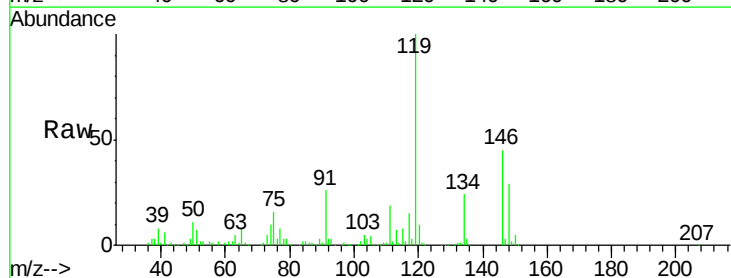
Manual Integrations
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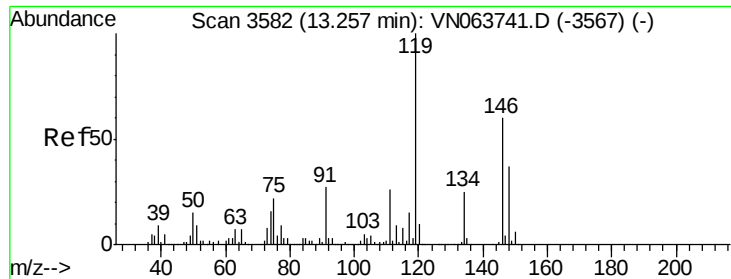
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#86
 p-Isopropyltoluene
 Concen: 18.892 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177328		
134	24.9	12.6	37.8	
91	26.3	13.4	40.2	





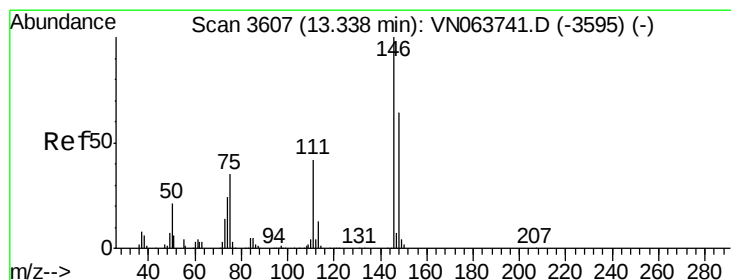
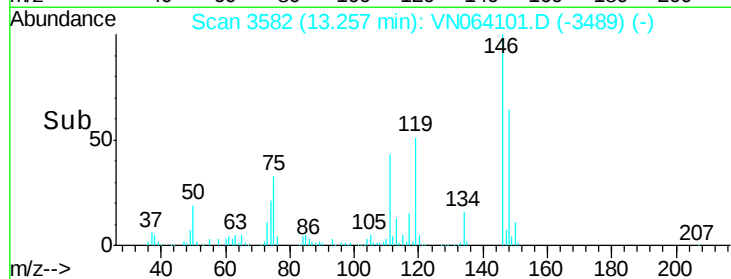
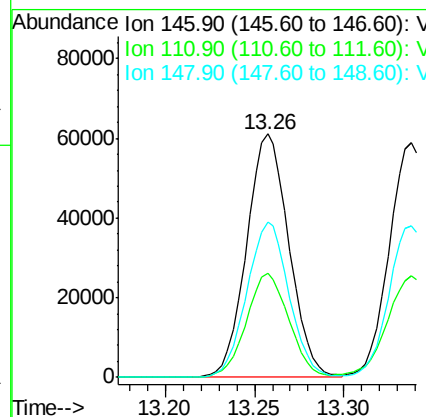
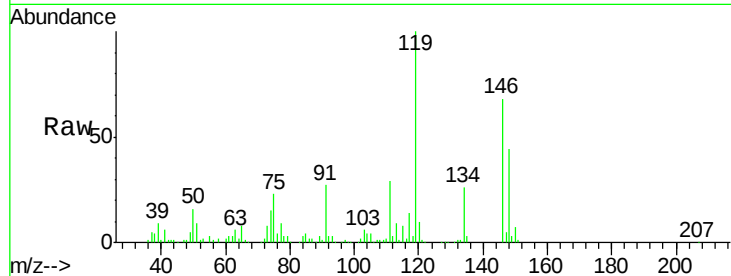
#87
 1,3-Dichlorobenzene
 Concen: 19.421 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.6	31.1	93.3

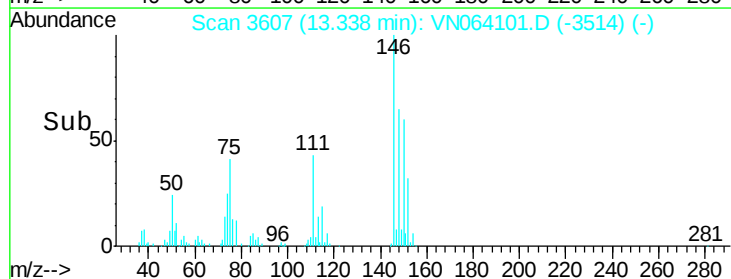
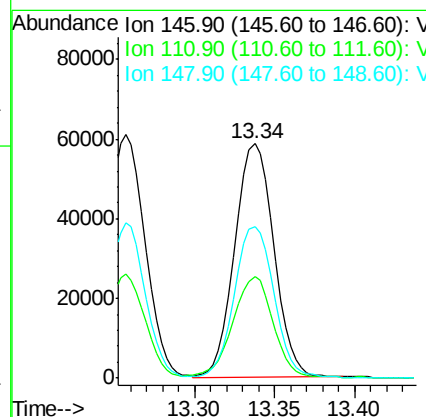
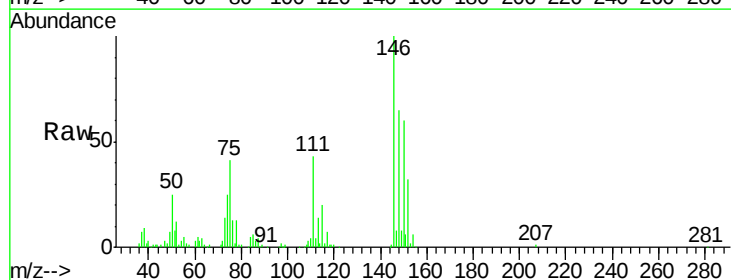
Manual Integrations
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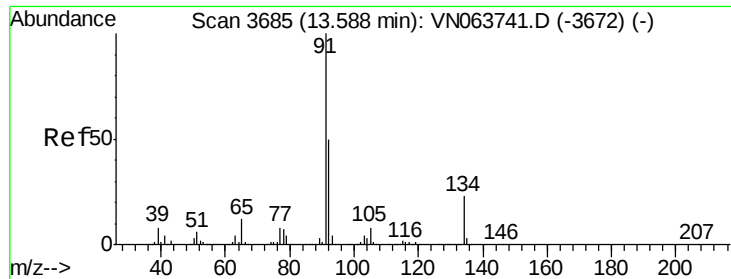
MMDadoda
 10/14/2020 2:09:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.972 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.7
148	66.5	32.0	96.0





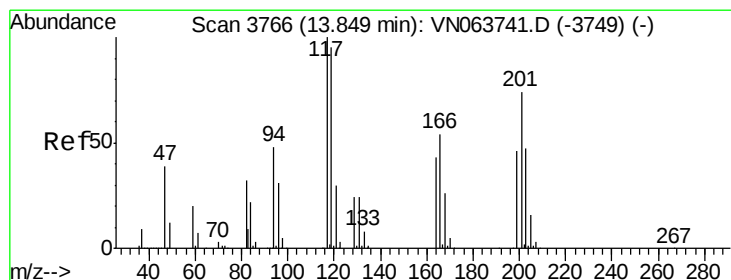
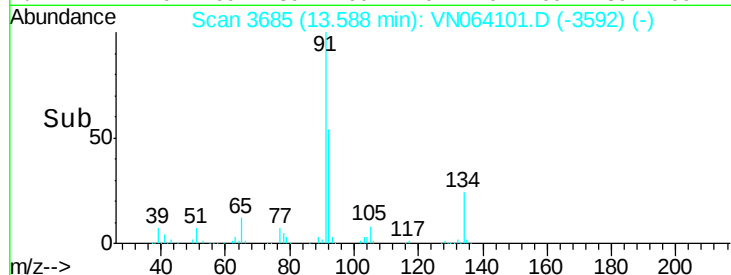
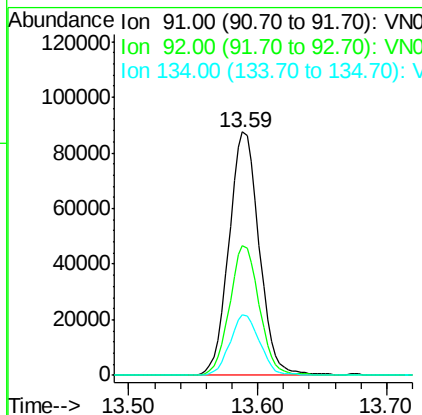
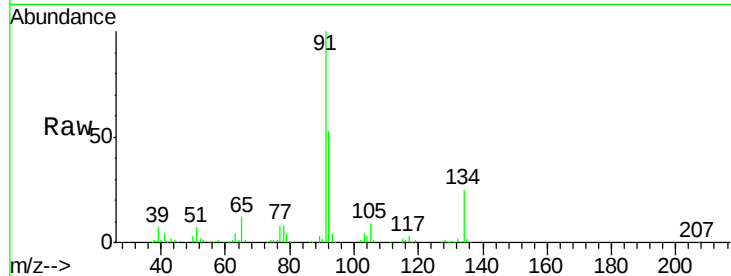
#89
n-Butylbenzene
Concen: 16.451 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.4	76.4
134	24.6	11.7	35.1

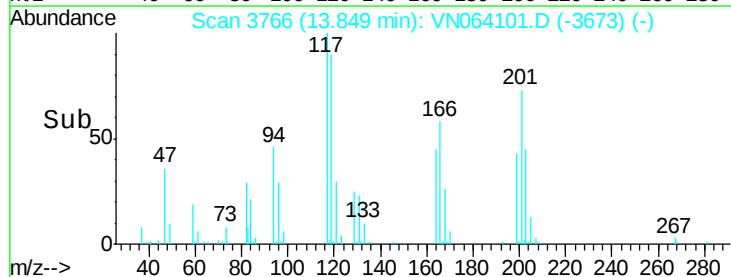
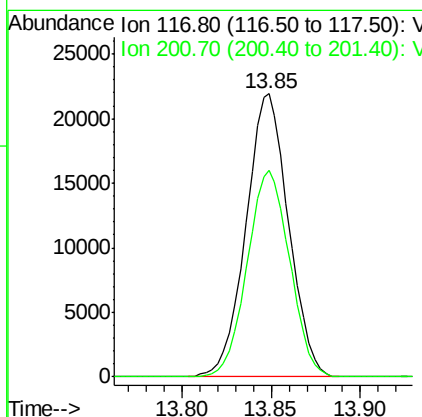
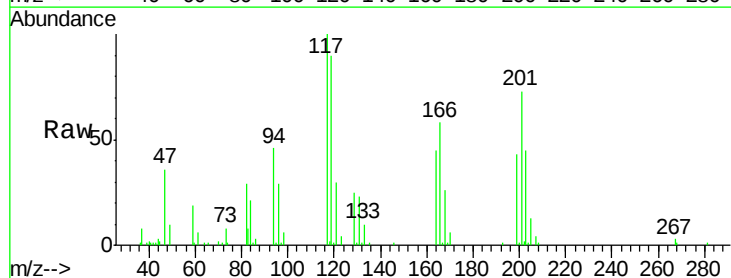
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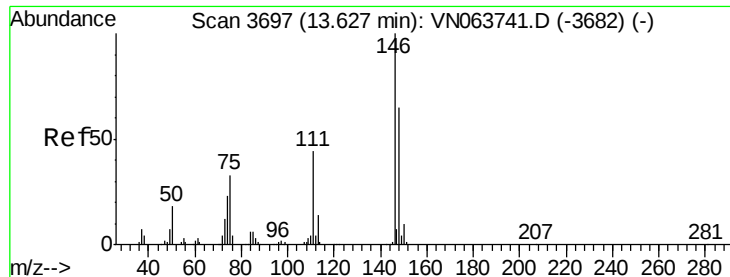
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#90
Hexachloroethane
Concen: 20.064 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	36.0	108.0





#91

1,2-Dichlorobenzene

Concen: 19.662 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Instrument :

MSVOA_N

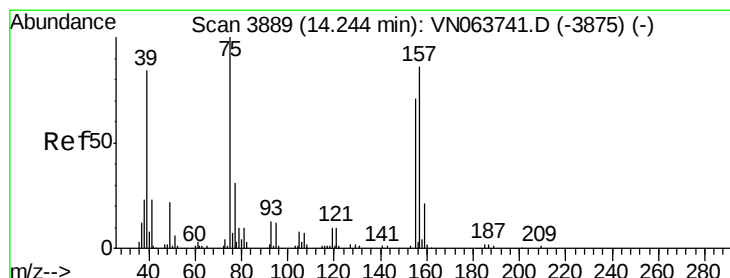
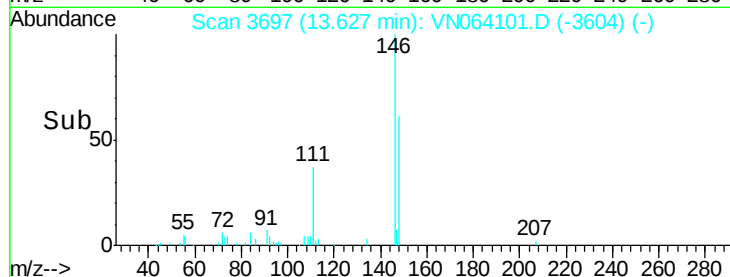
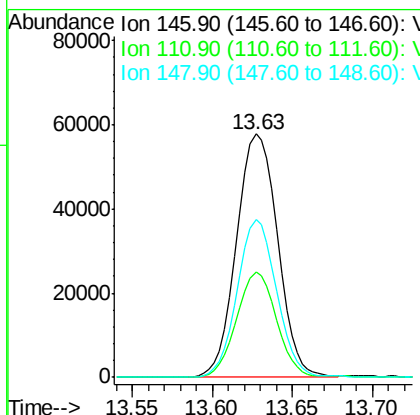
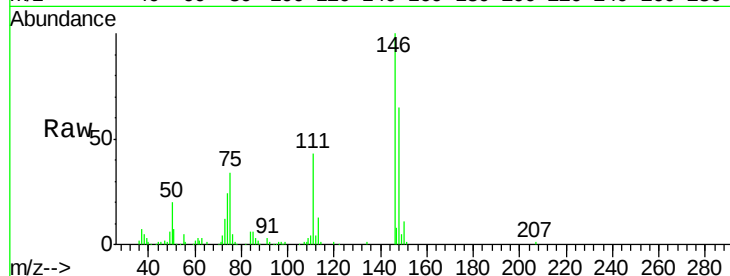
ClientSampleId :

VN1013WBSD01

Tot Ion:	146	Resp:	101766
Ion Ratio	Lower	Upper	
146	100		
111	42.1	22.2	66.6
148	61.7	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.823 ug/l

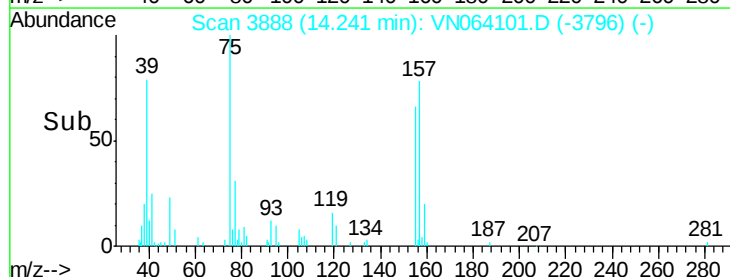
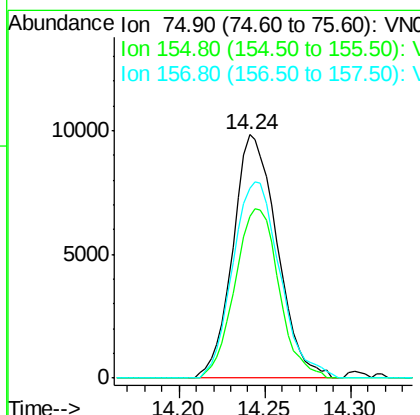
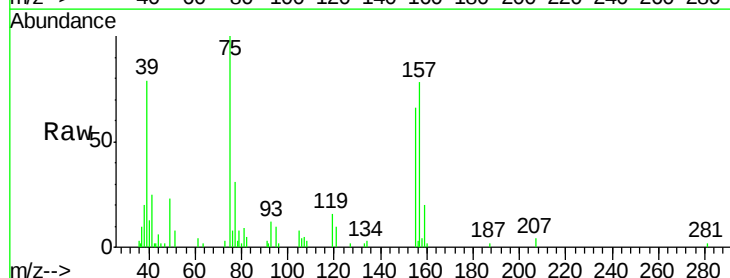
RT: 14.24 min Scan# 3888

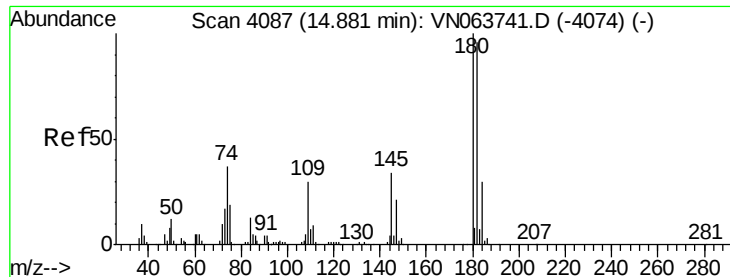
Delta R.T. -0.00 min

Lab File: VN064101.D

Acq: 13 Oct 2020 15:10

Tgt Ion:	75	Resp:	17579
Ion Ratio	Lower	Upper	
75	100		
155	69.2	34.8	104.5
157	85.7	43.7	131.1





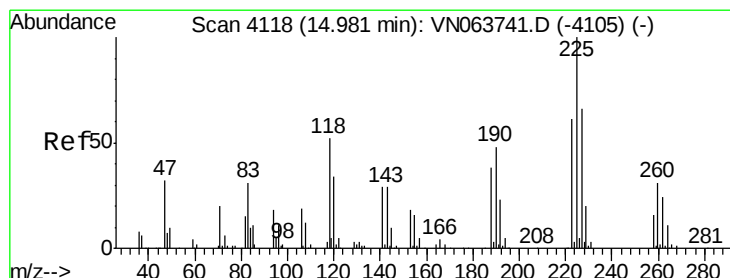
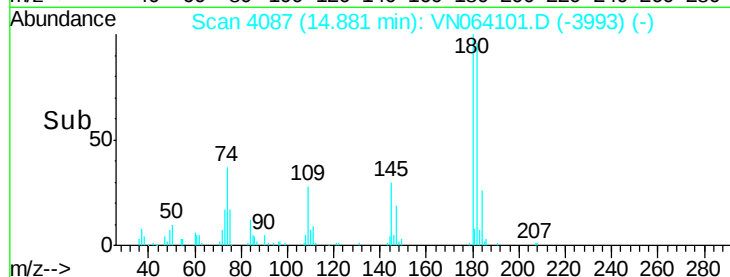
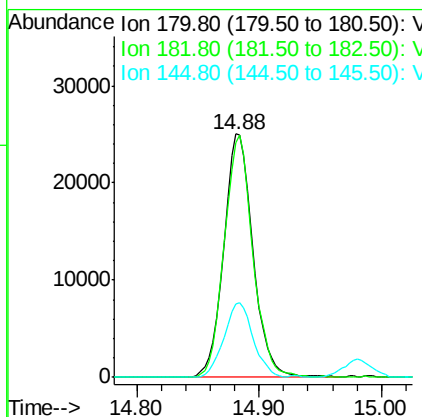
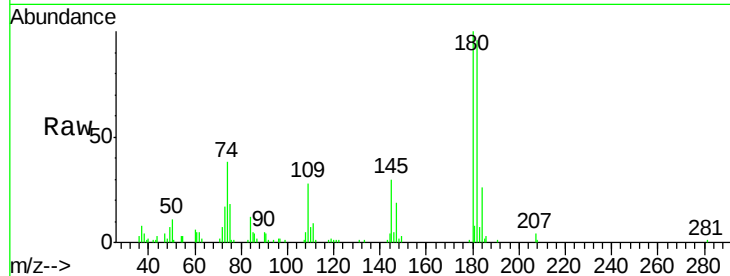
#93
 1,2,4-Trichlorobenzene
 Concen: 16.213 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.2	144.6
145	30.4	17.1	51.2

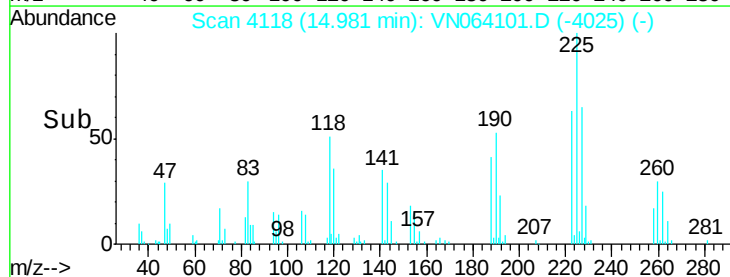
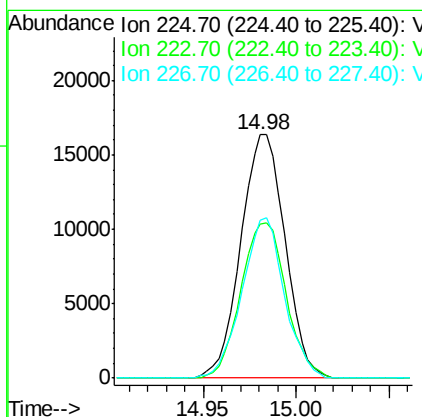
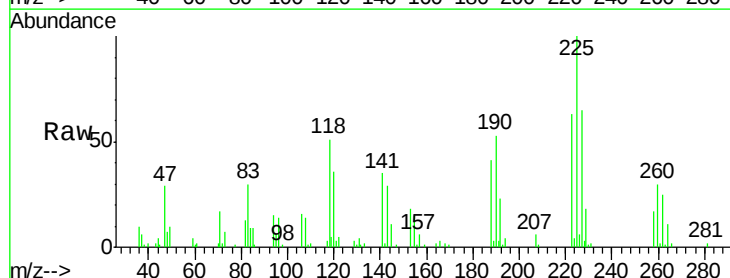
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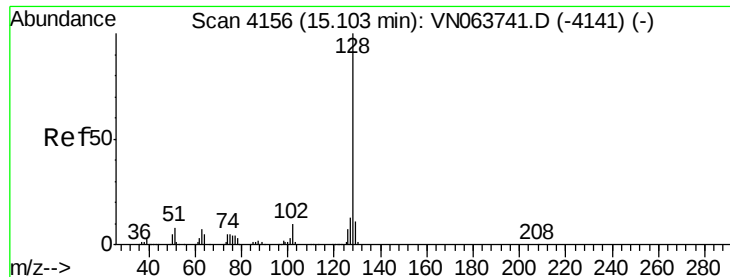
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#94
 Hexachlorobutadiene
 Concen: 19.438 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064101.D
 Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.3	91.0
227	62.9	31.9	95.5





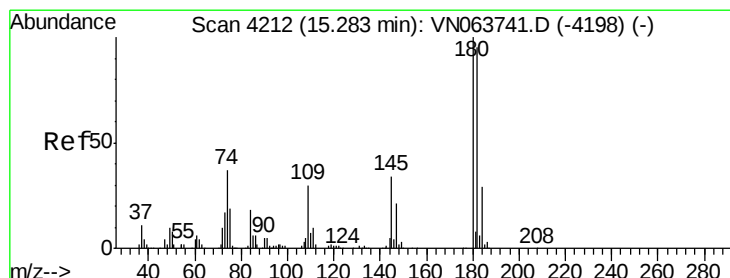
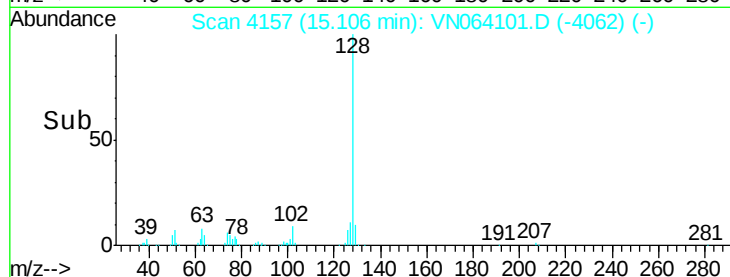
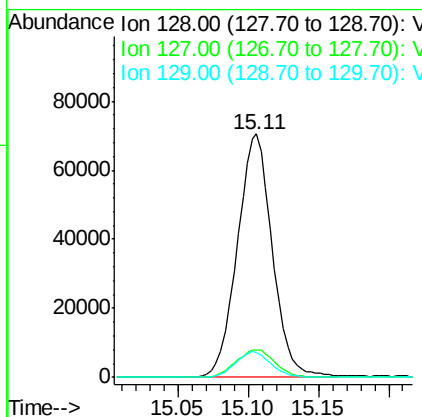
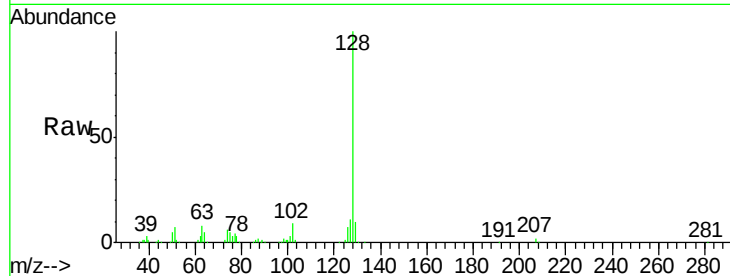
#95
Naphthalene
Concen: 15.435 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.520 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064101.D
Acq: 13 Oct 2020 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	34.2	17.2	51.5

