

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090920\
 Data File : VN063274.D
 Acq On : 9 Sep 2020 11:46
 Operator : JC/MD
 Sample : VN0909WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 4:04:15 PM

Quant Time: Sep 09 15:47:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	427763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	759540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	682812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	311840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	340056	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.55	113	247272	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.06	98	941285	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	348052	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77131	18.309	ug/l	98
3) Chloromethane	2.04	50	111839	18.232	ug/l	98
4) Vinyl Chloride	2.17	62	115539	17.051	ug/l	97
5) Bromomethane	2.54	94	75579	13.250	ug/l	99
6) Chloroethane	2.68	64	72768	13.506	ug/l	99
7) Trichlorofluoromethane	2.99	101	176311	16.254	ug/l	97
8) Diethyl Ether	3.38	74	61669	19.021	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	92646	20.115	ug/l	98
10) Methyl Iodide	3.91	142	112143	17.852	ug/l	100
11) Tert butyl alcohol	4.72	59	87972	102.490	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	88748	18.910	ug/l	92
13) Acrolein	3.57	56	10559	46.043	ug/l	88
14) Allyl chloride	4.28	41	177897	21.343	ug/l	98
15) Acrylonitrile	4.93	53	238347	100.583	ug/l	99
16) Acetone	3.77	43	216266	108.796	ug/l	96
17) Carbon Disulfide	4.01	76	244255	17.485	ug/l	98
18) Methyl Acetate	4.28	43	122873	24.108	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	332452	19.095	ug/l	98
20) Methylene Chloride	4.50	84	109373	19.265	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	100145	19.314	ug/l	94
22) Diisopropyl ether	5.90	45	383711	20.543	ug/l	98
23) Vinyl Acetate	5.84	43	1526276	102.408	ug/l	96
24) 1,1-Dichloroethane	5.80	63	209547	20.350	ug/l	97
25) 2-Butanone	6.78	43	332831	108.134	ug/l	97
26) 2,2-Dichloropropane	6.78	77	177352	19.010	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	117245	18.603	ug/l	93
28) Bromochloromethane	7.15	49	94976	17.655	ug/l	97
29) Tetrahydrofuran	7.16	42	220485	103.599	ug/l	96
30) Chloroform	7.33	83	204501	18.983	ug/l	99
31) Cyclohexane	7.61	56	183040	19.088	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	176433	19.005	ug/l	98
36) 1,1-Dichloropropene	7.75	75	153461	21.017	ug/l	99
37) Ethyl Acetate	6.88	43	147675	21.636	ug/l #	94
38) Carbon Tetrachloride	7.73	117	152011	20.528	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	165587	20.186	ug/l	95
40) Benzene	8.00	78	438415	20.432	ug/l	98
41) Methacrylonitrile	7.14	41	73277m	23.821	ug/l	
42) 1,2-Dichloroethane	8.08	62	168039	20.965	ug/l	98
43) Isopropyl Acetate	8.13	43	259587	21.799	ug/l	98
44) Trichloroethene	8.80	130	114139	21.930	ug/l	99
45) 1,2-Dichloropropane	9.08	63	120493	21.209	ug/l	98
46) Dibromomethane	9.17	93	79312	21.066	ug/l	98
47) Bromodichloromethane	9.37	83	165466	20.504	ug/l	95
48) Methyl methacrylate	9.17	41	121125	22.563	ug/l	96
49) 1,4-Dioxane	9.17	88	34762	418.663	ug/l	88
51) 4-Methyl-2-Pentanone	9.95	43	729613	112.751	ug/l	99
52) Toluene	10.13	92	272436	20.382	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	175492	19.881	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	195110	21.057	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	104485	20.411	ug/l	96
56) Ethyl methacrylate	10.40	69	162112	20.809	ug/l	96
57) 1,3-Dichloropropane	10.68	76	186913	20.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	373493	92.583	ug/l	97
59) 2-Hexanone	10.72	43	523632	115.141	ug/l	96
60) Dibromochloromethane	10.87	129	117357	20.737	ug/l	98
61) 1,2-Dibromoethane	10.98	107	106818	20.073	ug/l	97
64) Tetrachloroethene	10.60	164	113139	23.074	ug/l	98
65) Chlorobenzene	11.41	112	284898	20.716	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	108790	21.306	ug/l	98
67) Ethyl Benzene	11.48	91	533231	21.254	ug/l	99
68) m/p-Xylenes	11.59	106	383741	41.298	ug/l	98
69) o-Xylene	11.92	106	187417	20.878	ug/l	97
70) Styrene	11.94	104	311788	20.210	ug/l	98
71) Bromoform	12.10	173	73181	21.119	ug/l #	96
73) Isopropylbenzene	12.23	105	497885	20.817	ug/l	99
74) N-amyl acetate	12.05	43	206778	20.872	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	140824	20.422	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	138314m	22.575	ug/l	
77) Bromobenzene	12.50	156	114193	21.111	ug/l	99
78) n-propylbenzene	12.57	91	586762	21.201	ug/l	100
79) 2-Chlorotoluene	12.65	91	349399	21.078	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	422237	21.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	48359	19.077	ug/l	95
82) 4-Chlorotoluene	12.75	91	358405	20.847	ug/l	100
83) tert-Butylbenzene	12.97	119	352365	20.638	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	431775	21.517	ug/l	97
85) sec-Butylbenzene	13.15	105	458620	20.610	ug/l	100
86) p-Isopropyltoluene	13.26	119	416474	21.081	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	204532	20.583	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	206246	20.045	ug/l	98
89) n-Butylbenzene	13.59	91	369031	20.220	ug/l	100
90) Hexachloroethane	13.85	117	67440	18.441	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	208670	21.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31218	20.592	ug/l	96

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ClientSampleId :
VN0909WBS01

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Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	114903	21.328	ug/l	99
94) Hexachlorobutadiene	14.98	225	44551	22.136	ug/l	97
95) Naphthalene	15.11	128	349520	19.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	112088	21.355	ug/l	99

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

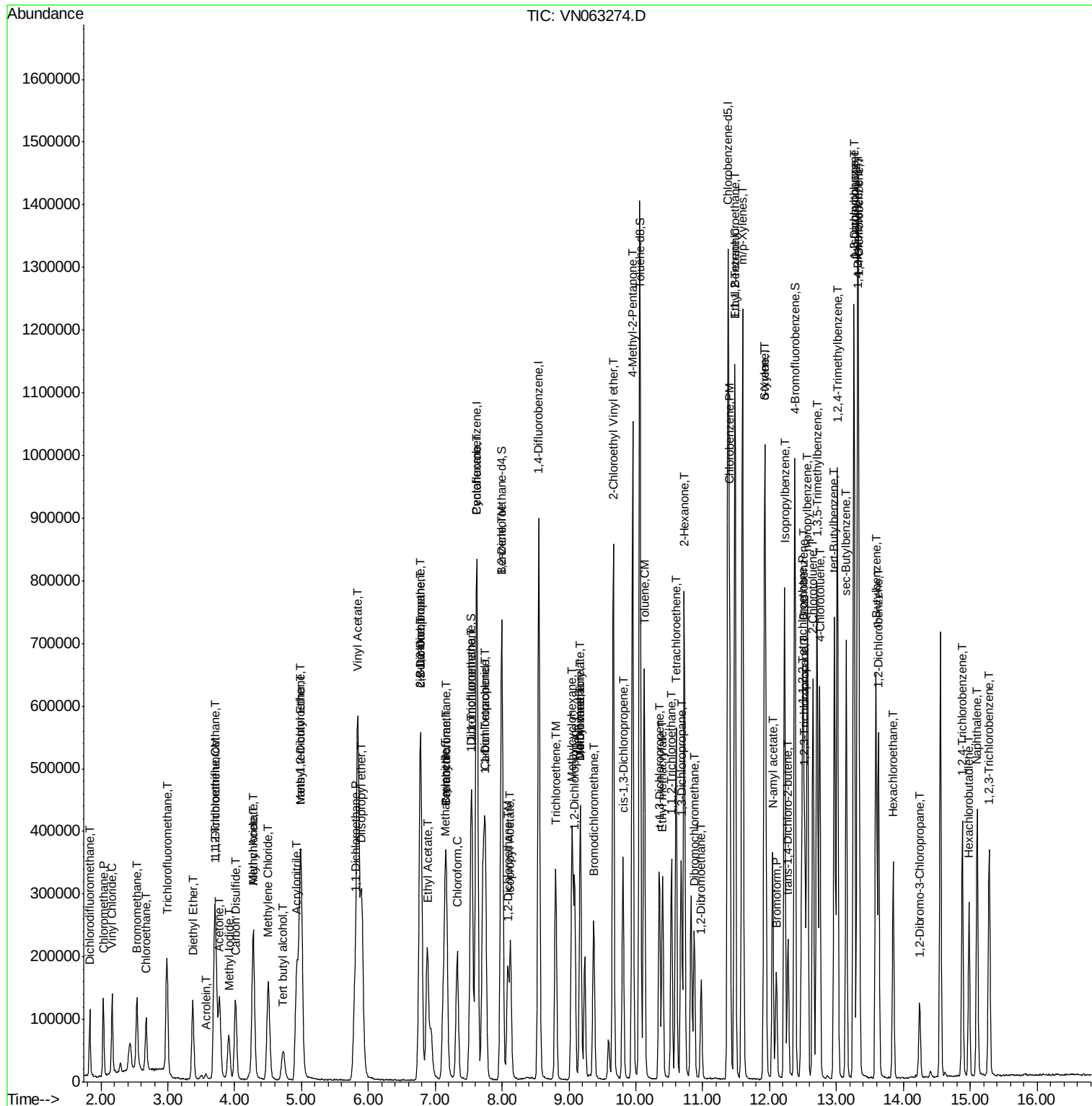
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090920\
Data File : VN063274.D
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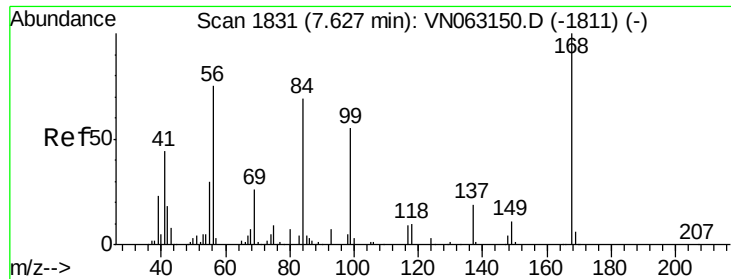
Instrument :
MSVOA_N
Client Sample Id :
VN0909WBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion:168 Resp: 427763

Ion Ratio Lower Upper

168 100

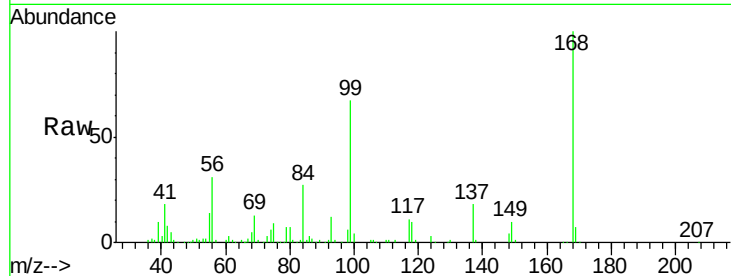
99 66.9 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/10/2020 4:04:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

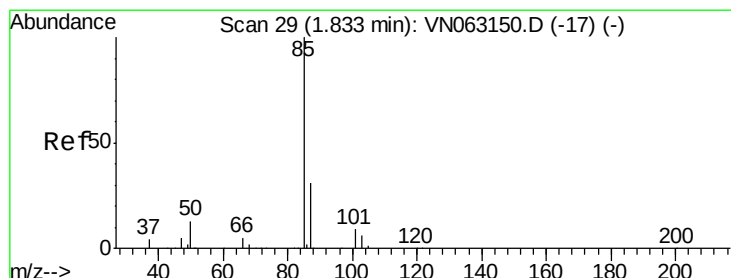
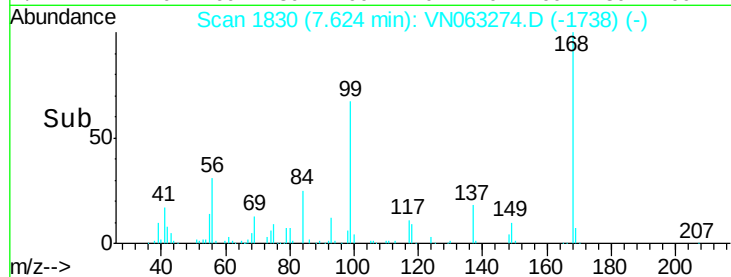
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50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.309 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063274.D

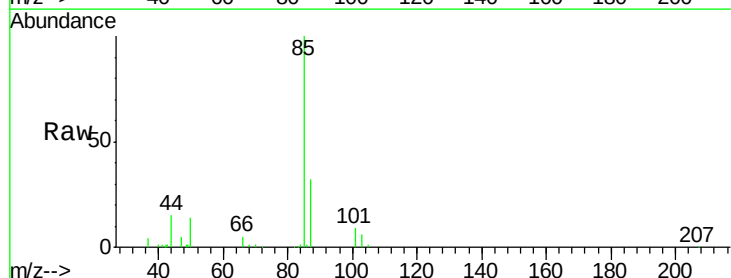
Acq: 9 Sep 2020 11:46

Tgt Ion: 85 Resp: 77131

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

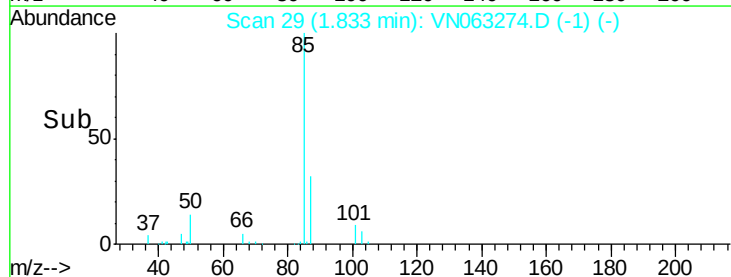
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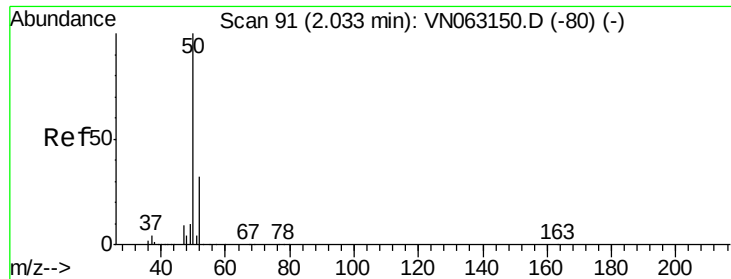
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.232 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 50 Resp: 111839

Ion Ratio Lower Upper

50 100

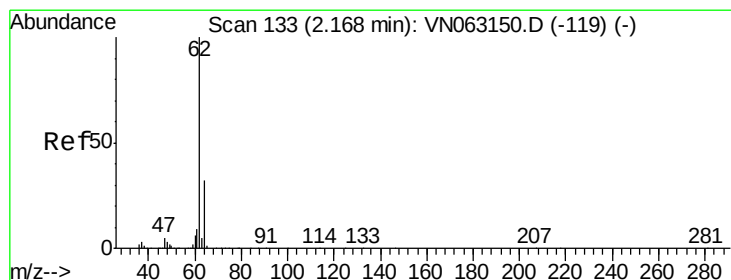
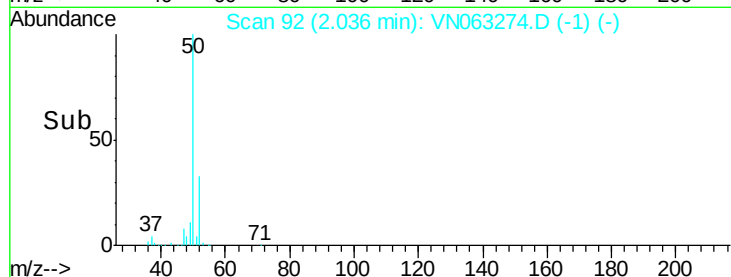
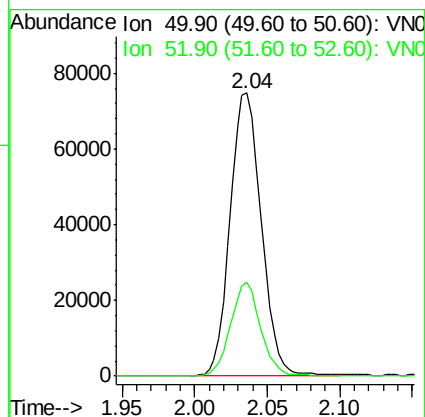
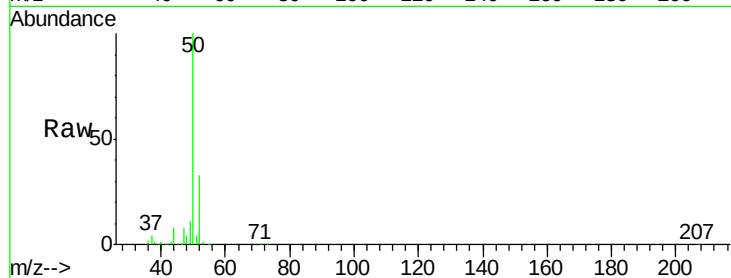
52 33.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.051 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063274.D

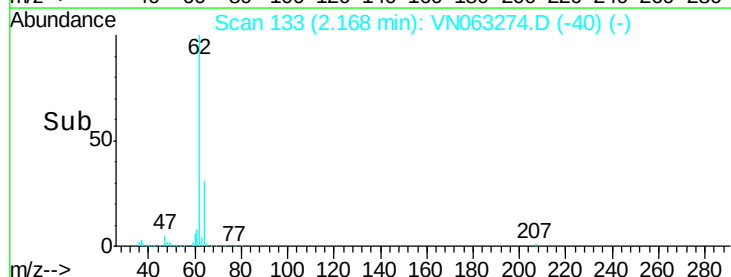
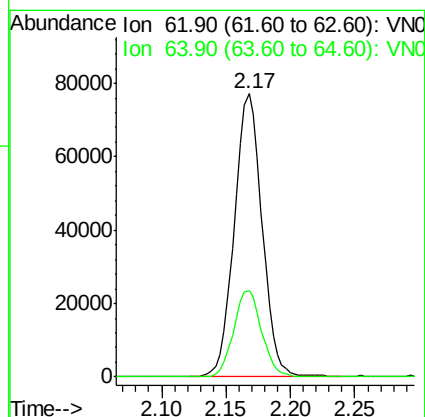
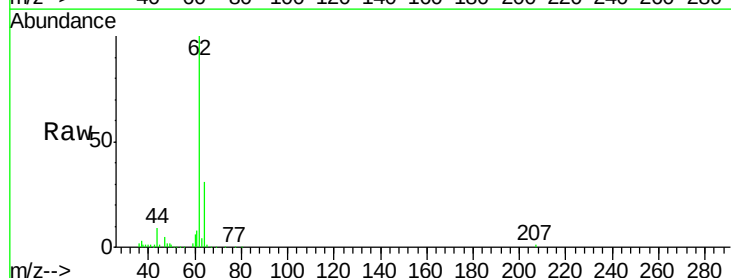
Acq: 9 Sep 2020 11:46

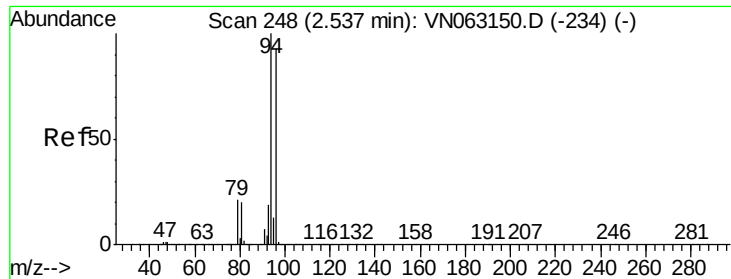
Tgt Ion: 62 Resp: 115539

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8





#5

Bromomethane

Concen: 13.250 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 94 Resp: 75579

Ion Ratio Lower Upper

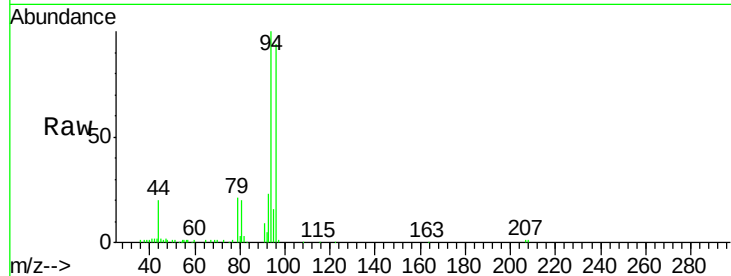
94 100

96 94.4 74.4 111.6

Manual Integrations
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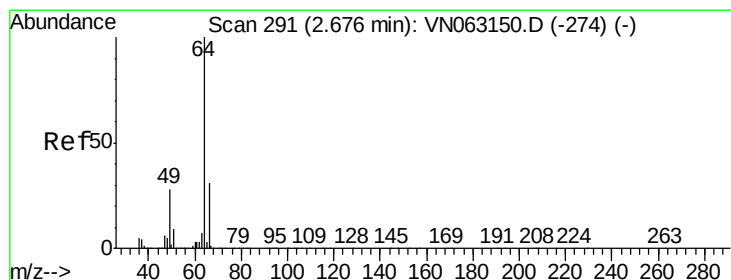
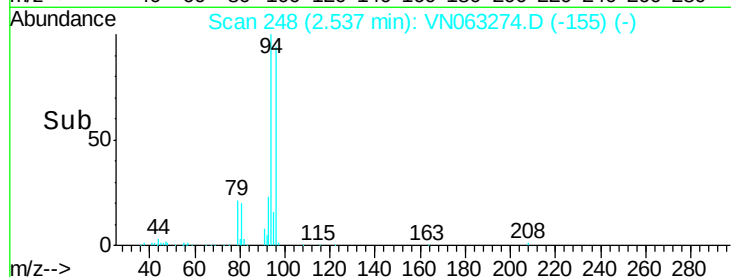
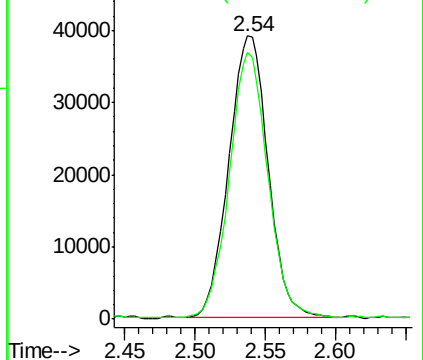
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 13.506 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063274.D

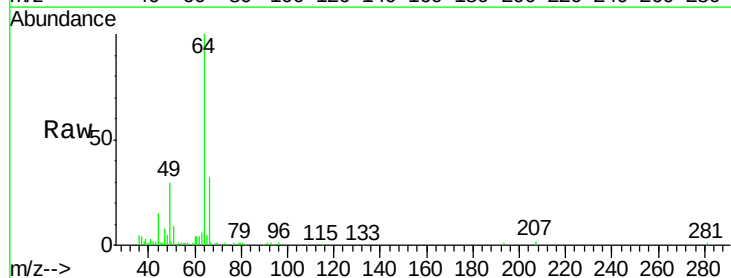
Acq: 9 Sep 2020 11:46

Tgt Ion: 64 Resp: 72768

Ion Ratio Lower Upper

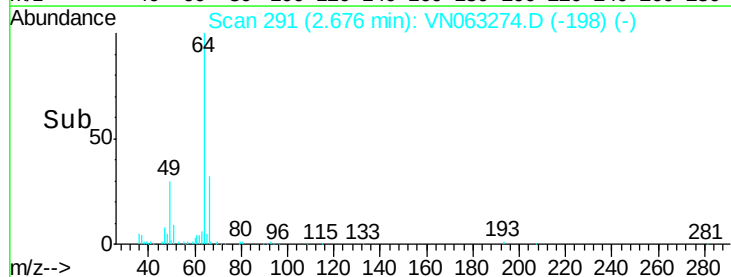
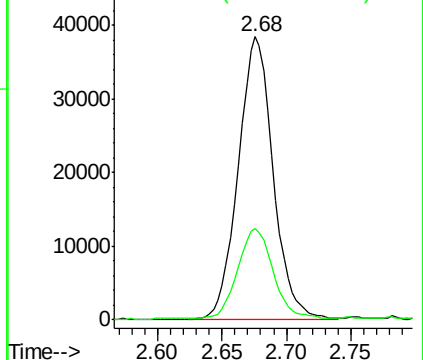
64 100

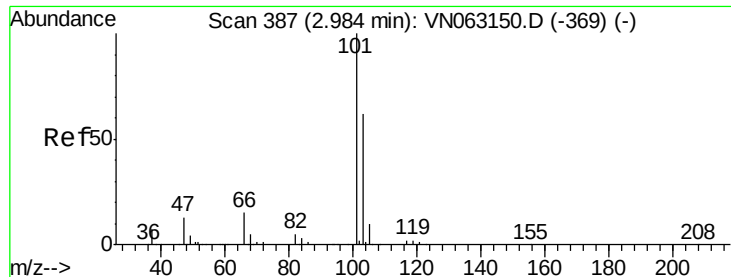
66 31.6 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

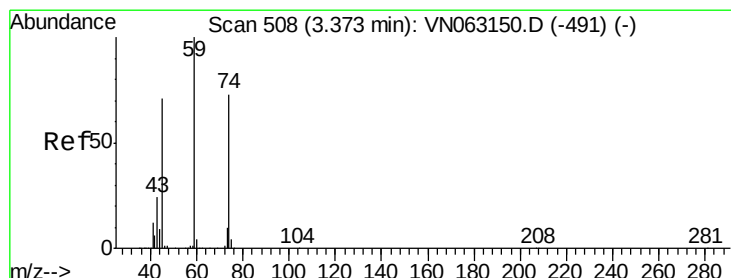
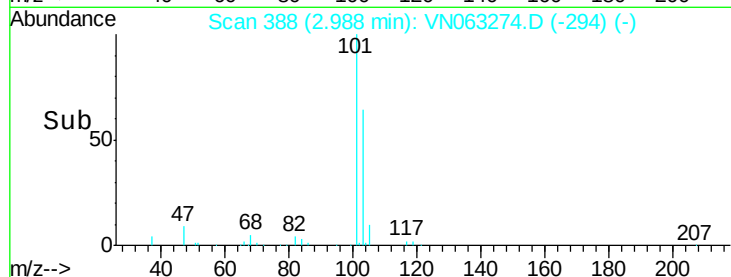
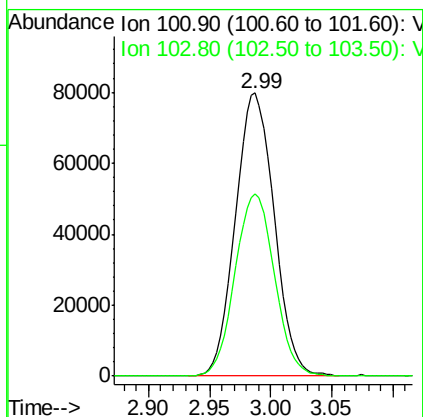
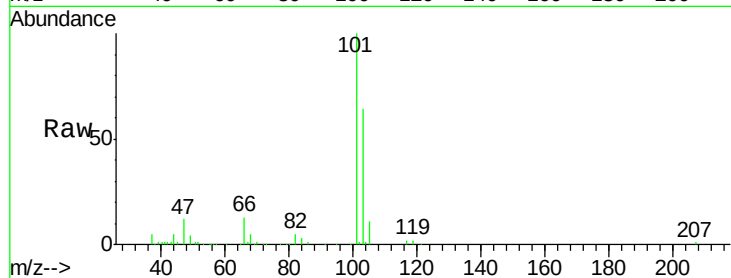
Trichlorofluoromethane
 Concen: 16.254 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.7	74.5

Manual Integrations
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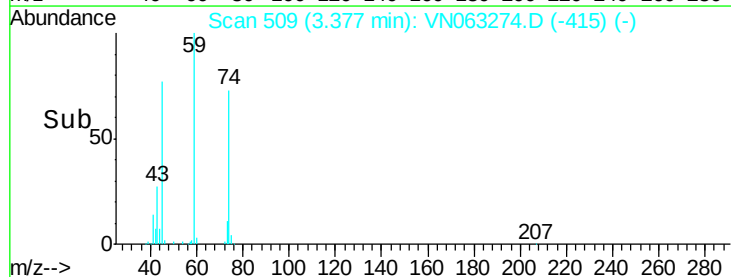
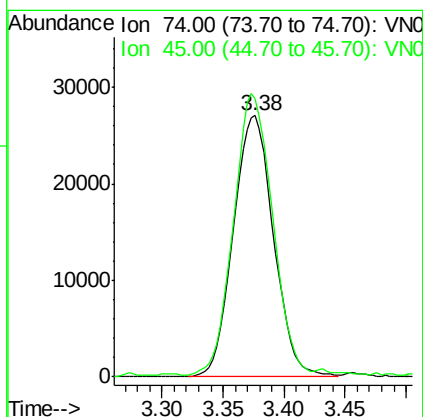
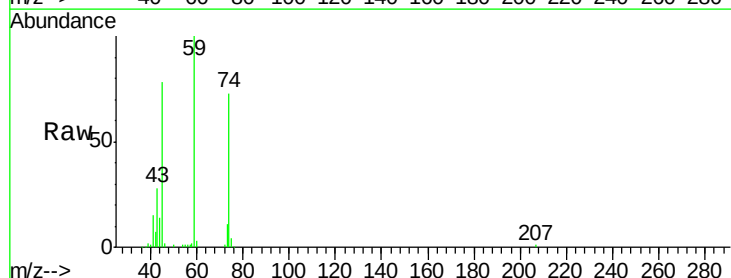
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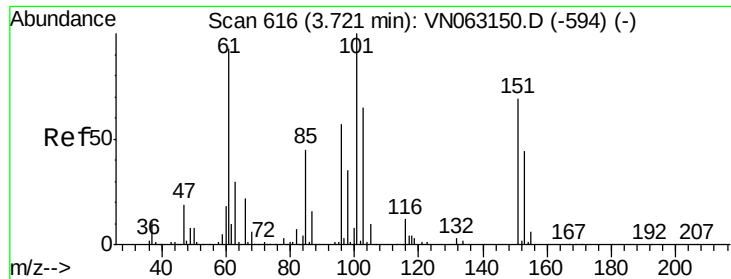


#8

Diethyl Ether
 Concen: 19.021 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.115 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

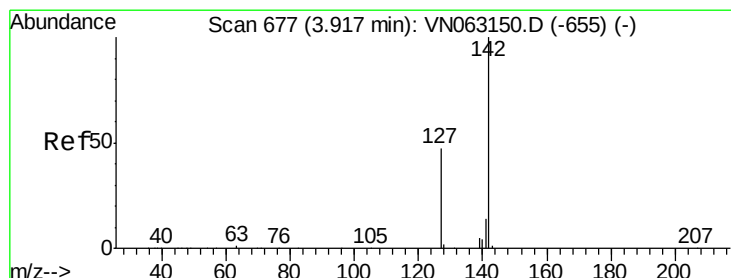
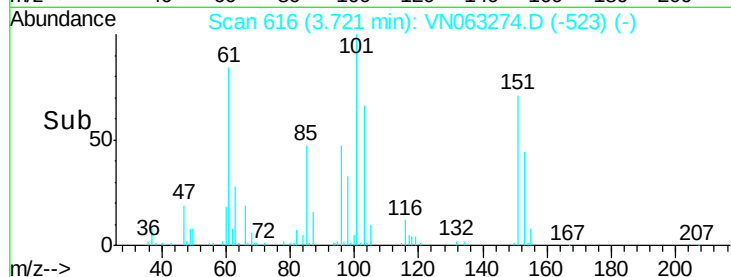
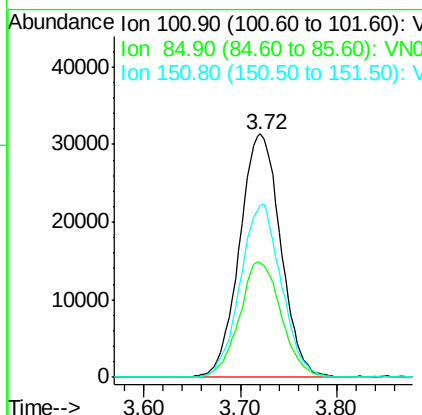
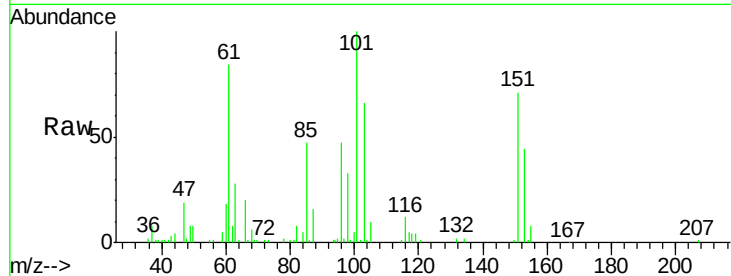
ClientSampleId :

VN0909WBS01

Tot Ion:	101	Resp:	92646
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.8	56.8
151	71.0	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 17.852 ug/l

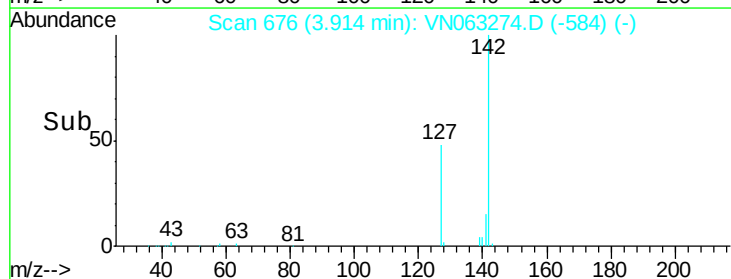
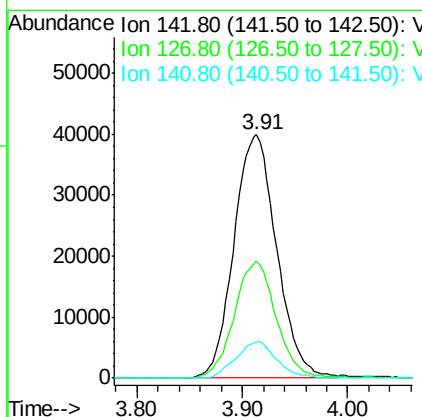
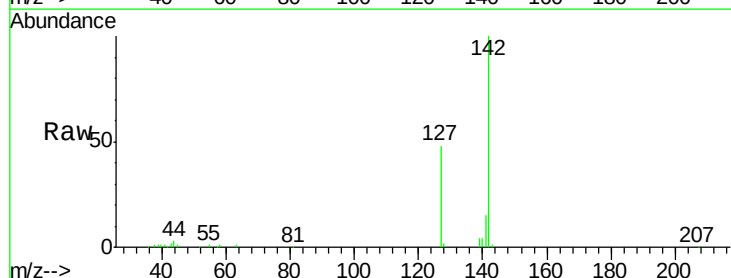
RT: 3.91 min Scan# 676

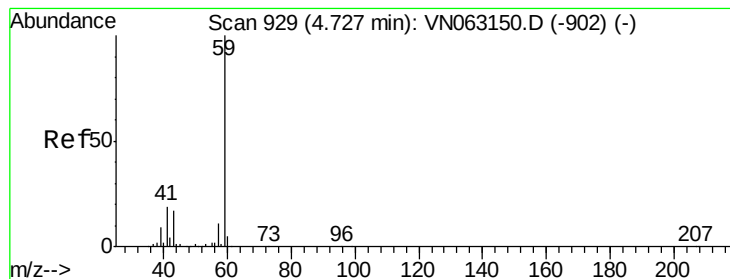
Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	142	Resp:	112143
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.6	56.4
141	14.1	11.3	16.9





#11

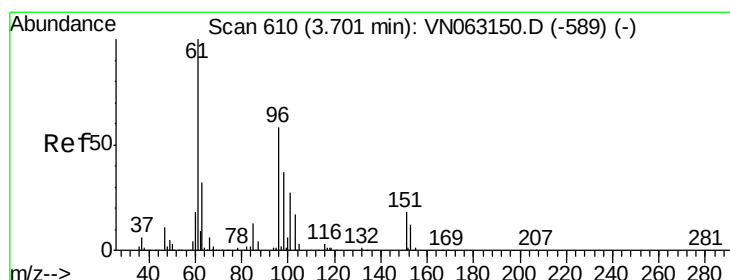
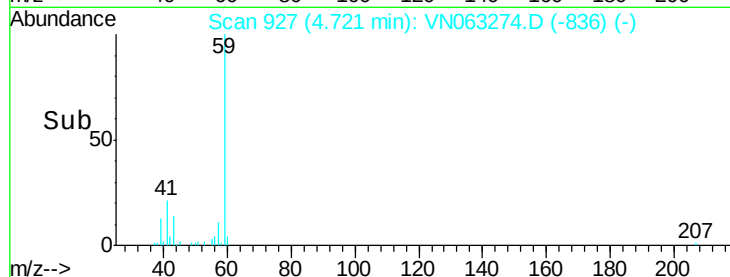
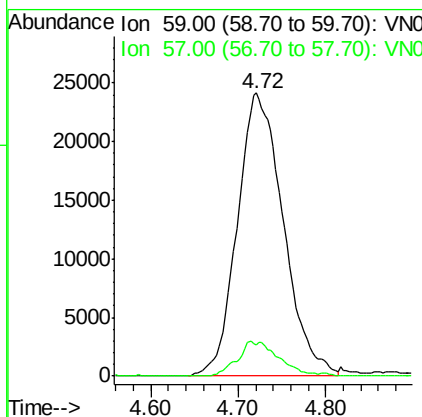
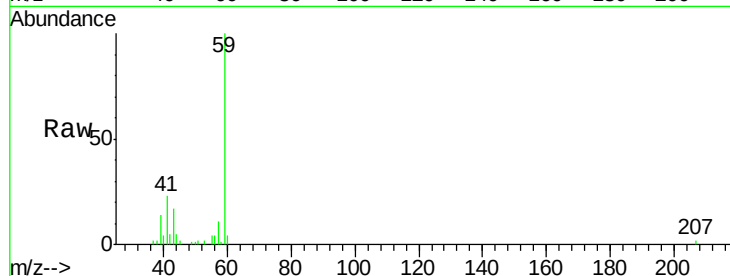
Tert butyl alcohol
Concen: 102.490 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	87972		
57	5.1		8.4	12.6#

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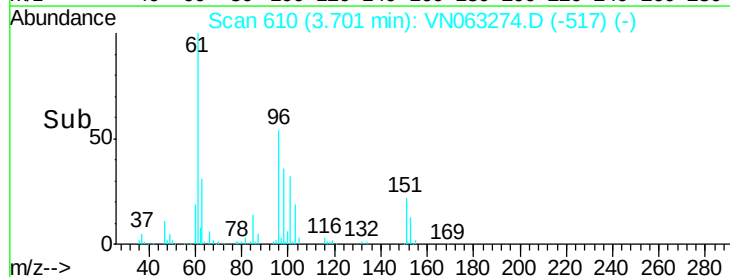
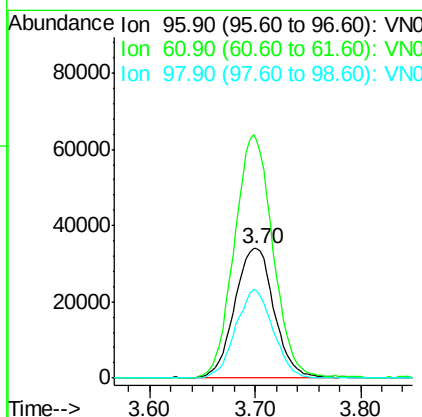
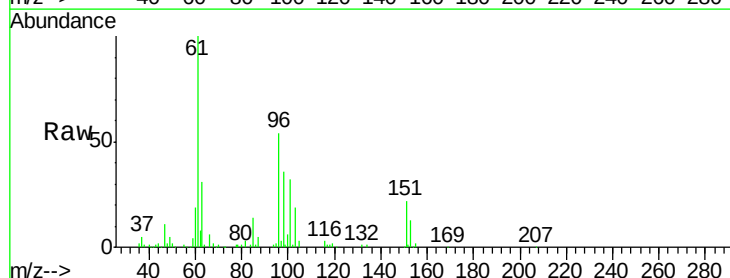
MMDadoda
9/10/2020 4:04:15 PM

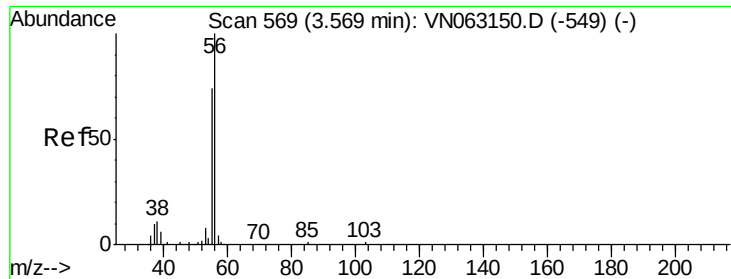


#12

1,1-Dichloroethene
Concen: 18.910 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88748		
61	184.4		137.4	206.2
98	67.0		50.5	75.7





#13

Acrolein

Concen: 46.043 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 56 Resp: 10559

Ion Ratio Lower Upper

56 100

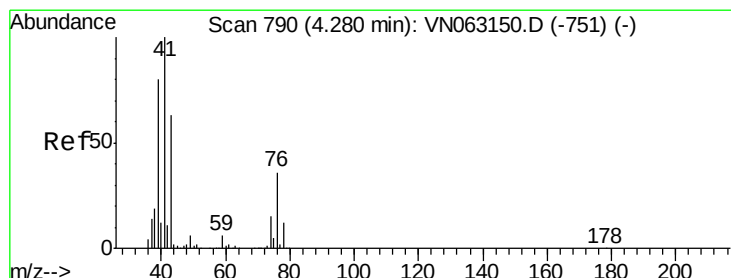
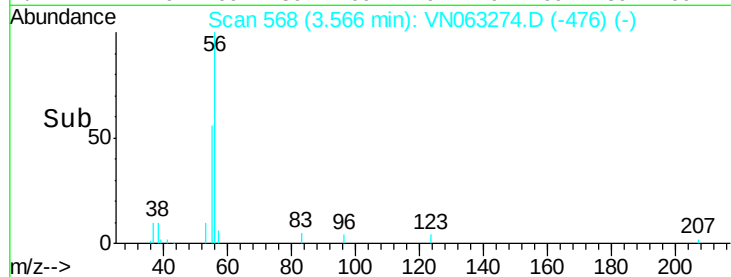
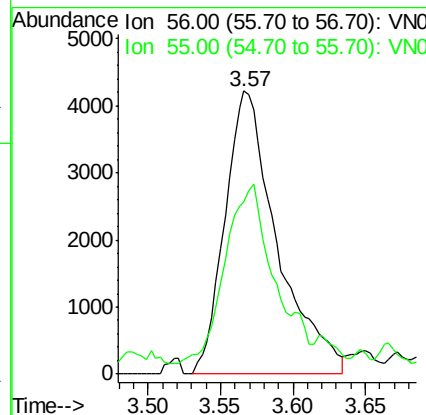
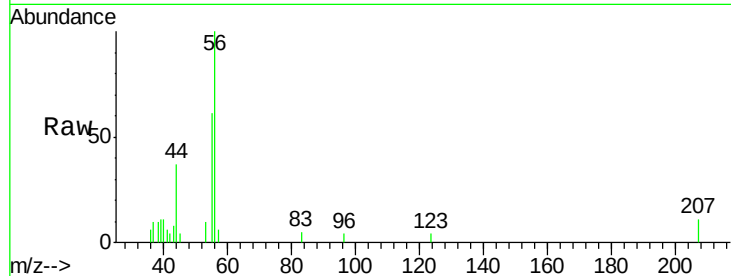
55 59.2 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.343 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

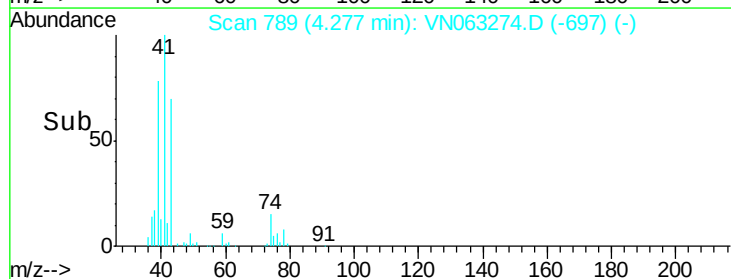
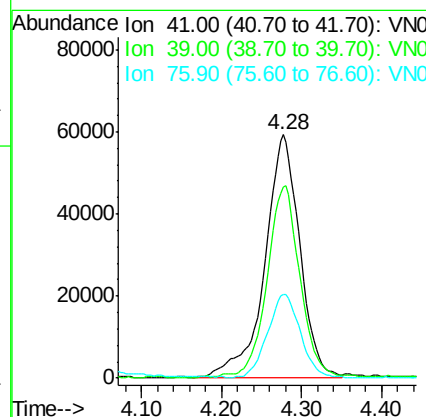
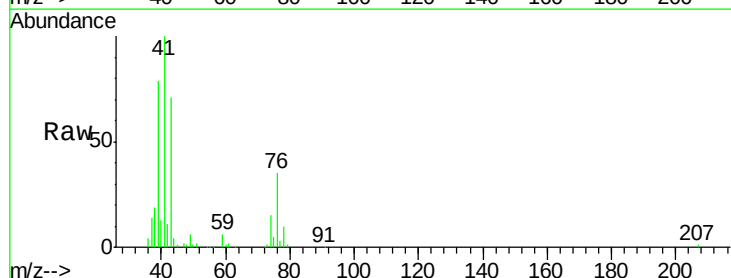
Tgt Ion: 41 Resp: 177897

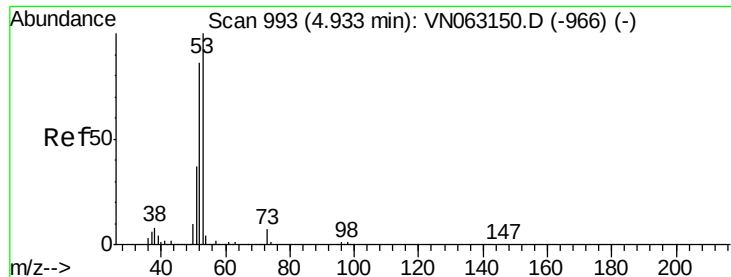
Ion Ratio Lower Upper

41 100

39 74.0 60.2 90.2

76 32.0 27.7 41.5





#15

Acrylonitrile

Concen: 100.583 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

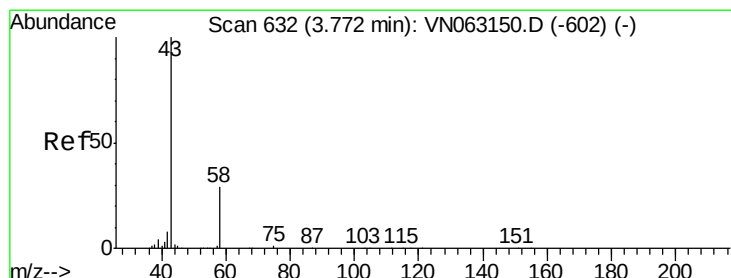
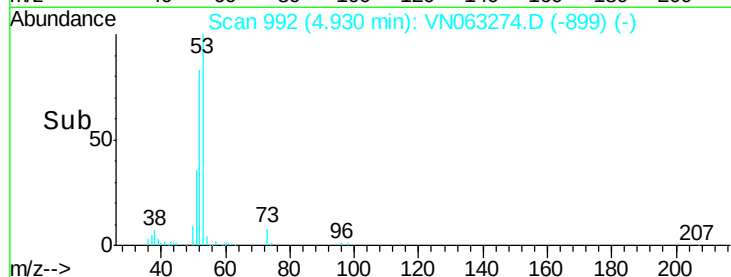
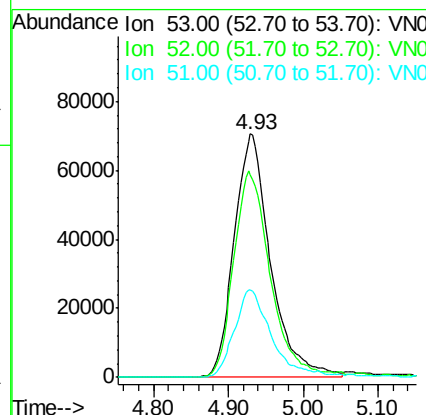
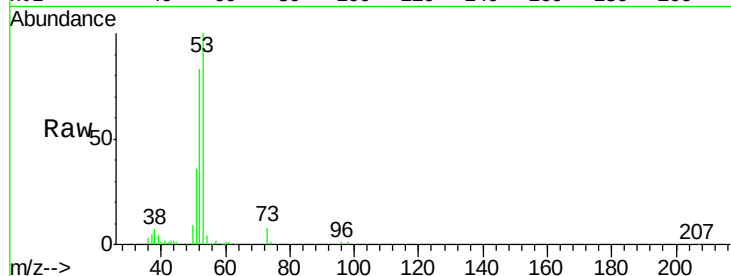
ClientSampleId :

VN0909WBS01

Tot Ion:	53	Resp:	238347
Ion Ratio		Lower	Upper
53	100		
52	84.5	67.2	100.8
51	35.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 108.796 ug/l

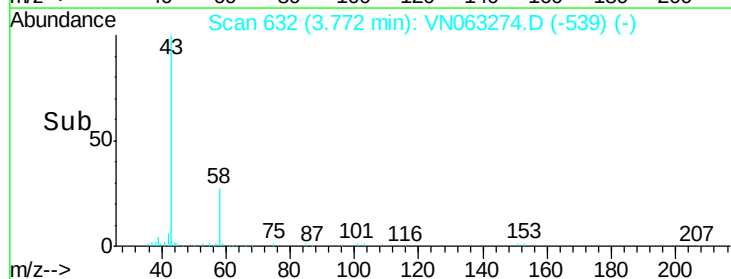
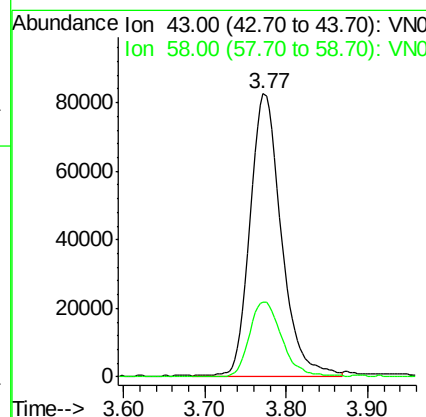
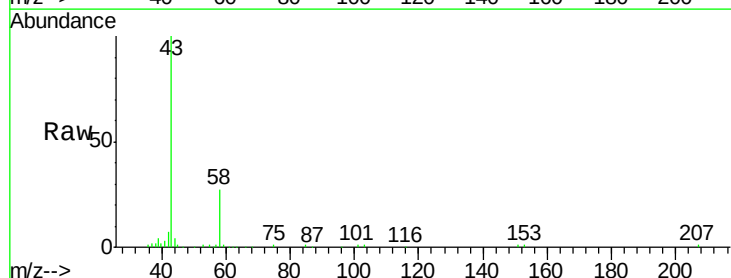
RT: 3.77 min Scan# 632

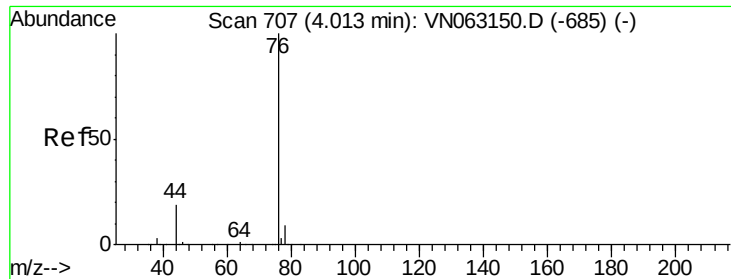
Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	43	Resp:	216266
Ion Ratio		Lower	Upper
43	100		
58	26.6	23.1	34.7





#17

Carbon Disulfide

Concen: 17.485 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tot Ion: 76 Resp: 244255

Ion Ratio Lower Upper

76 100

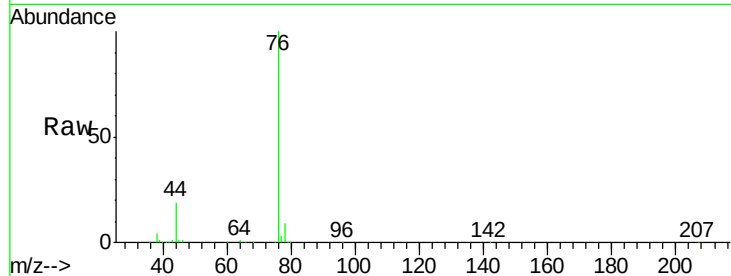
78 8.6 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

100000

80000

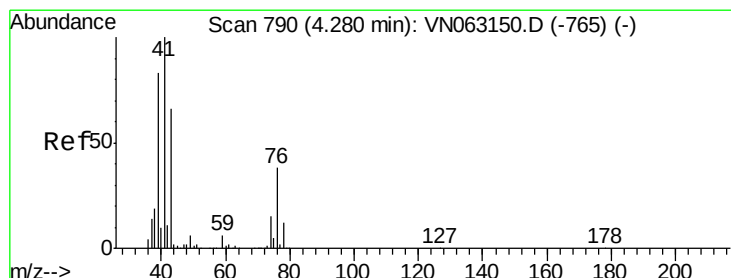
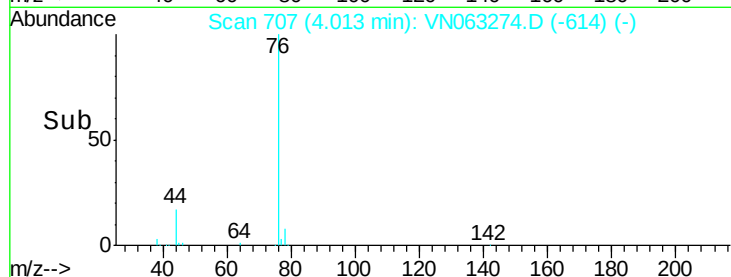
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.108 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063274.D

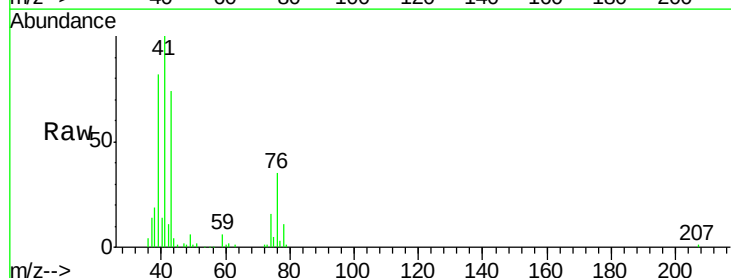
Acq: 9 Sep 2020 11:46

Tgt Ion: 43 Resp: 122873

Ion Ratio Lower Upper

43 100

74 21.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

50000

40000

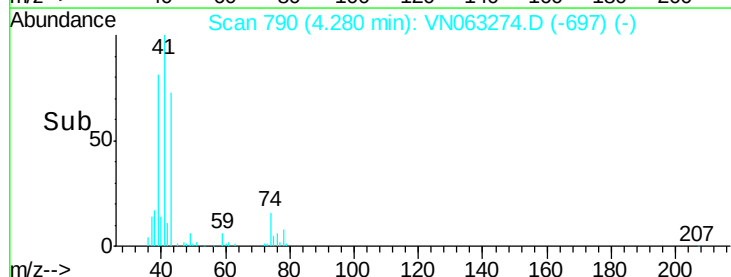
30000

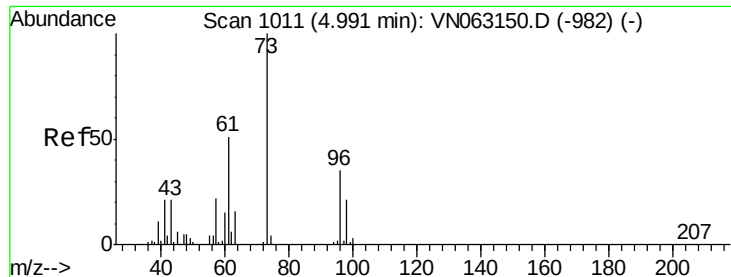
20000

10000

0

Time-->





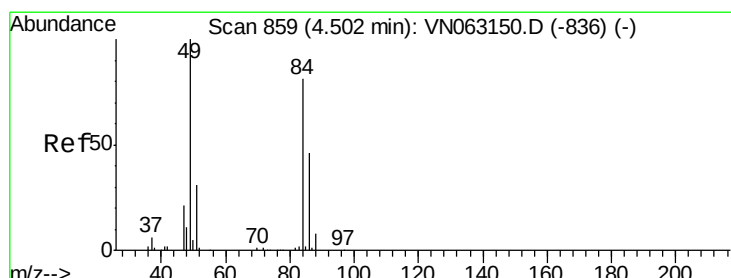
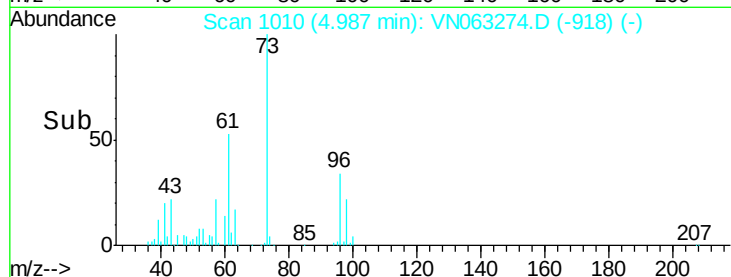
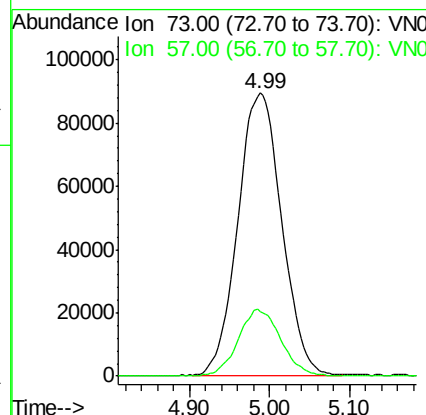
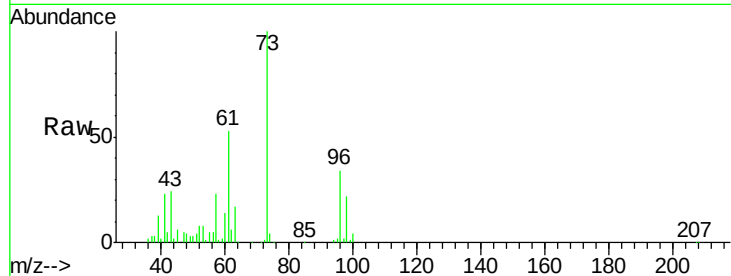
#19
Methyl tert-butyl Ether
Concen: 19.095 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion: 73 Resp: 332452
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4

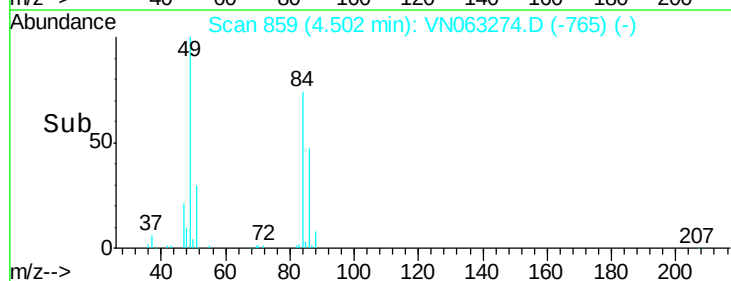
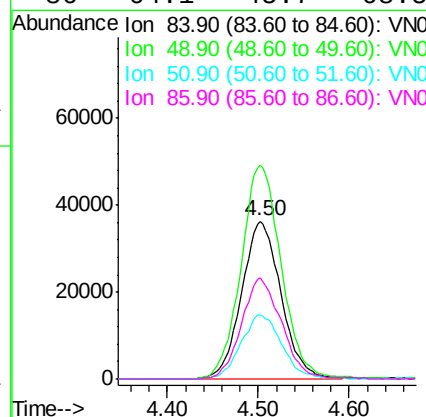
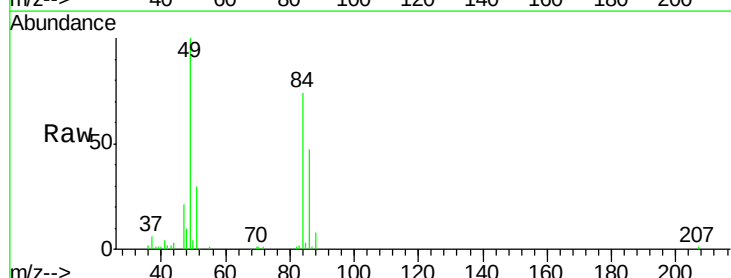
Manual Integrations
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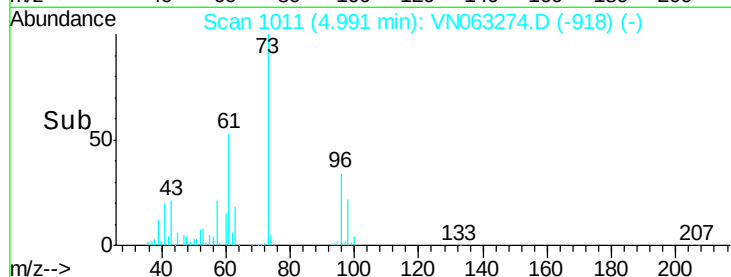
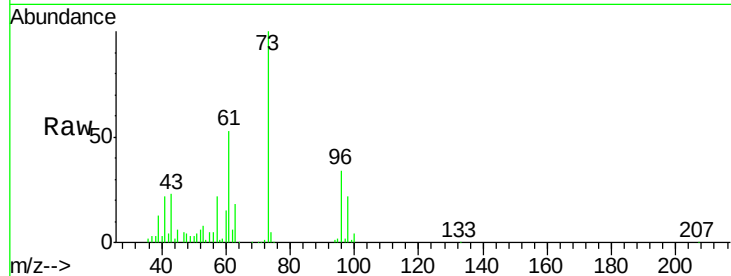
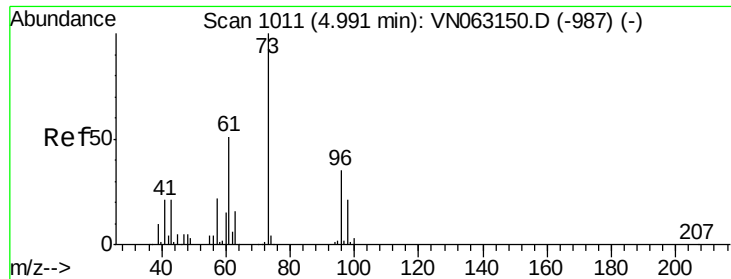
MMDadoda
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#20
Methylene Chloride
Concen: 19.265 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion: 84 Resp: 109373
Ion Ratio Lower Upper
84 100
49 135.6 98.4 147.6
51 40.5 30.4 45.6
86 64.1 45.7 68.5





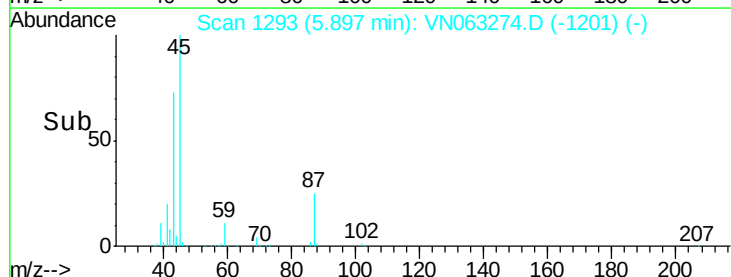
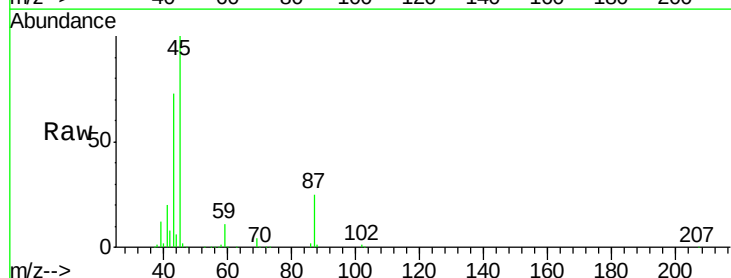
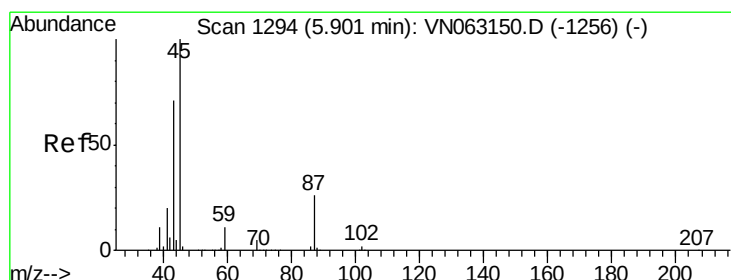
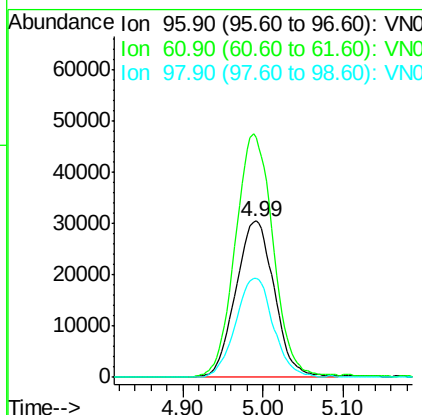
#21
trans-1,2-Dichloroethene
Concen: 19.314 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	116.2	174.4
98	63.6	48.0	72.0

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

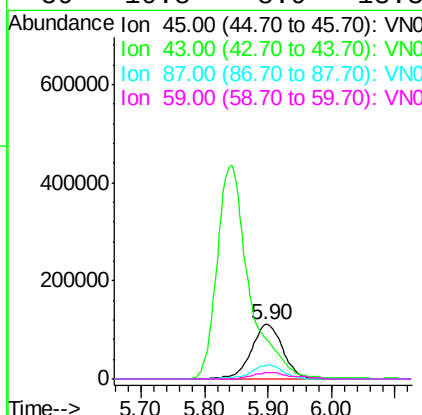
Manual Integrations
APPROVED

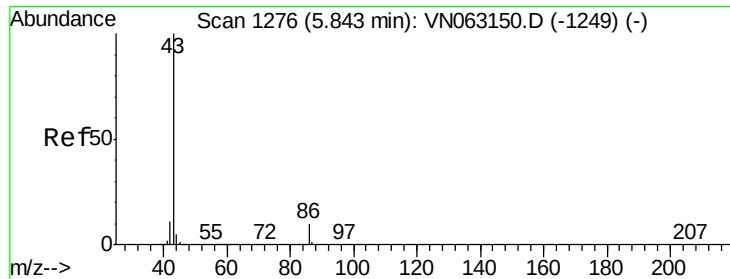
MMDadoda
9/10/2020 4:04:15 PM



#22
Diisopropyl ether
Concen: 20.543 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.7	56.8	85.2
87	25.0	21.1	31.7
59	10.8	8.9	13.3





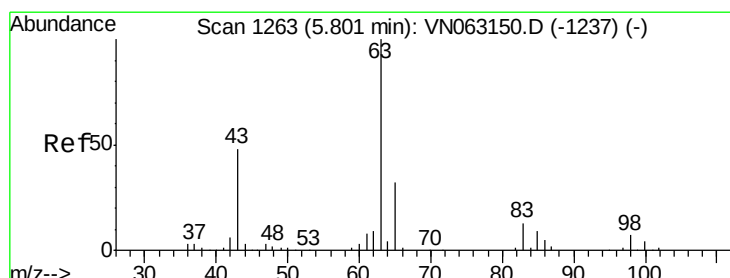
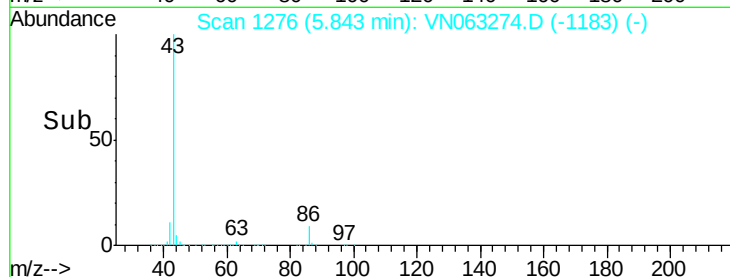
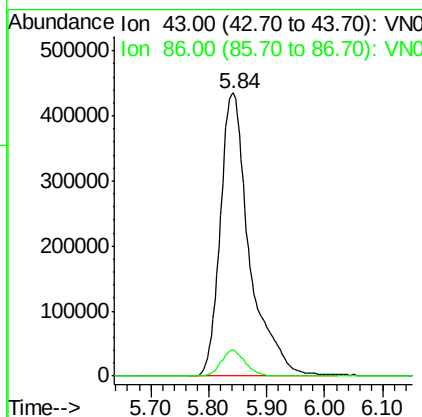
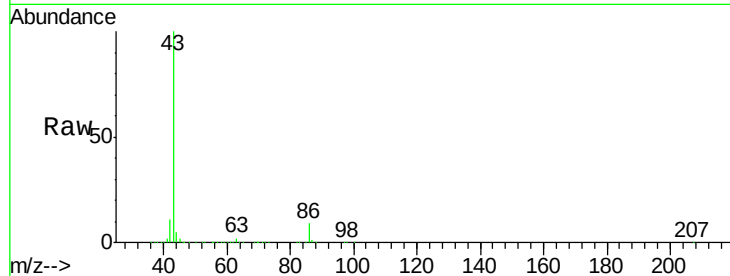
#23
Vinyl Acetate
Concen: 102.408 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion: 43 Resp: 1526276
Ion Ratio Lower Upper
43 100
86 9.1 8.3 12.5

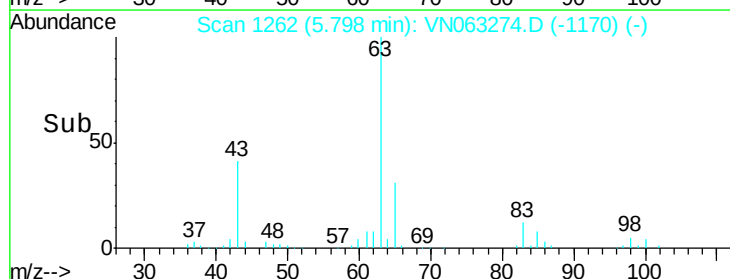
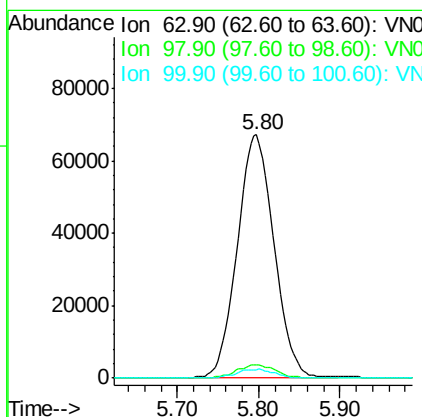
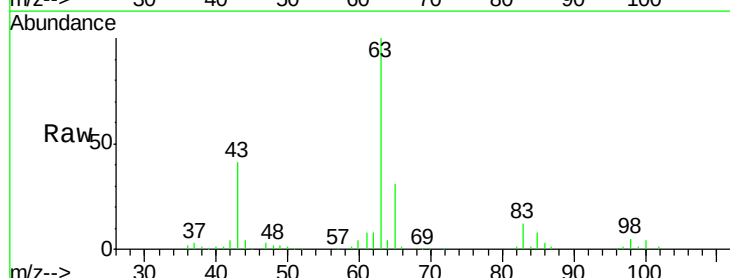
Manual Integrations
APPROVED

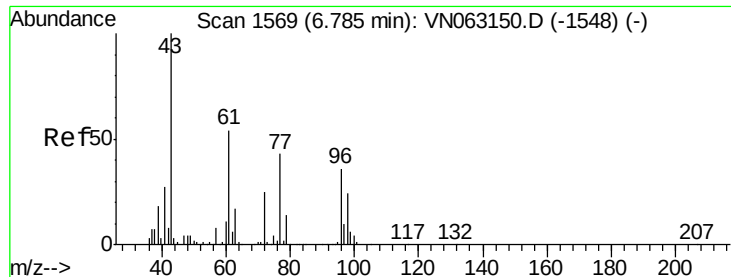
MMDadoda
9/10/2020 4:04:15 PM



#24
1,1-Dichloroethane
Concen: 20.350 ug/l
RT: 5.80 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion: 63 Resp: 209547
Ion Ratio Lower Upper
63 100
98 5.5 3.4 10.1
100 3.6 2.3 6.8





#25

2-Butanone

Concen: 108.134 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 43 Resp: 332831

Ion Ratio Lower Upper

43 100

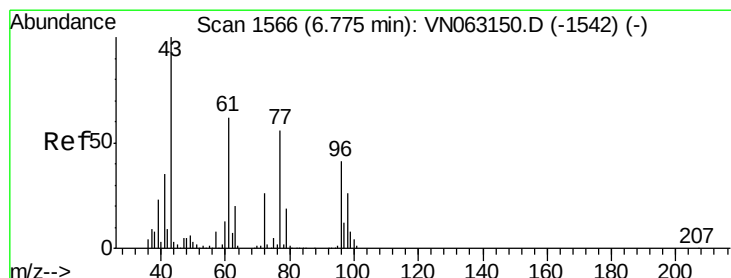
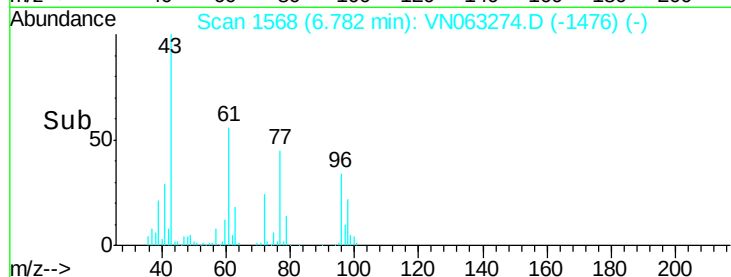
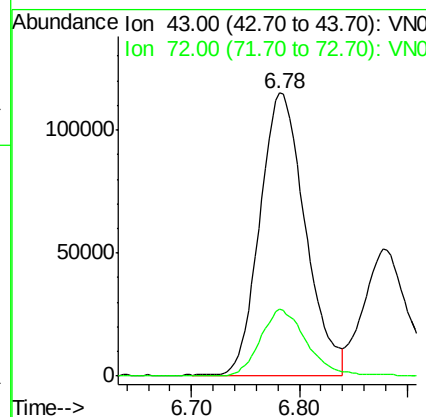
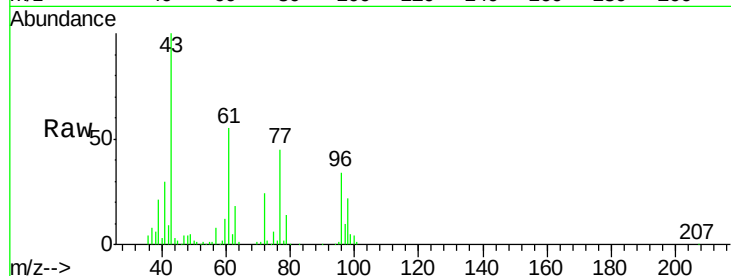
72 23.9 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/10/2020 4:04:15 PM



#26

2,2-Dichloropropane

Concen: 19.010 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063274.D

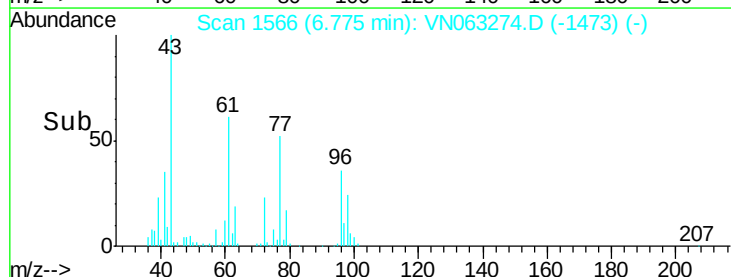
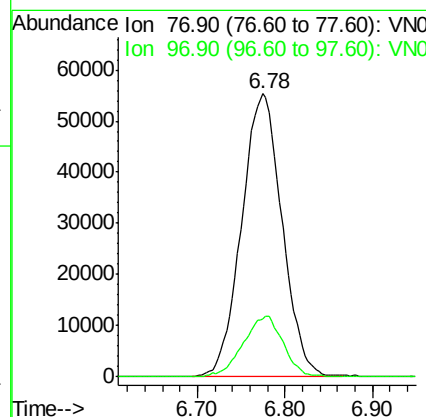
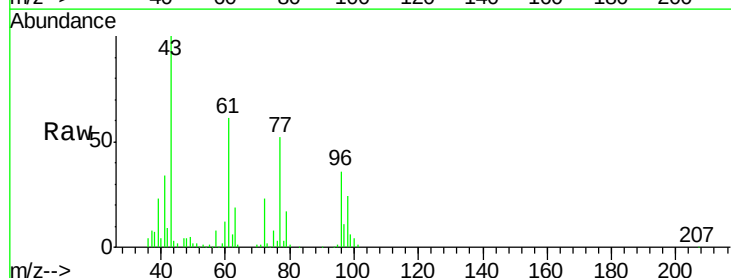
Acq: 9 Sep 2020 11:46

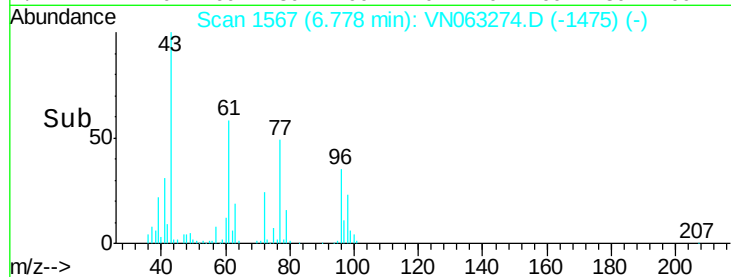
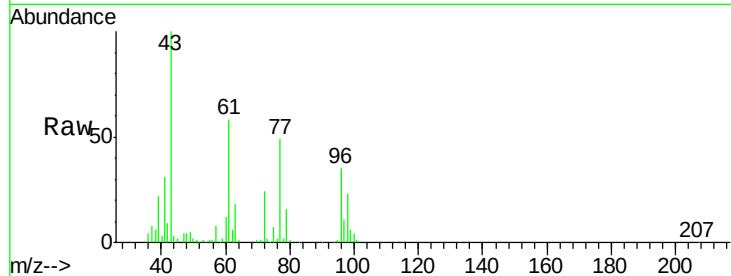
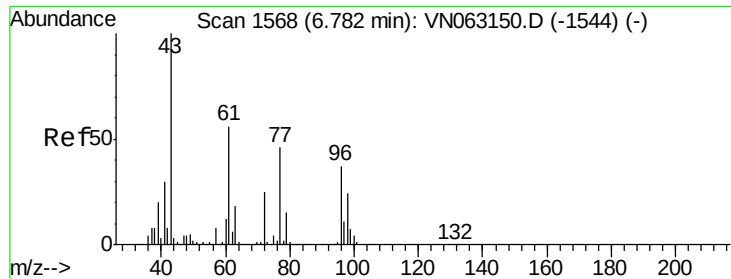
Tgt Ion: 77 Resp: 177352

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.603 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063274.D

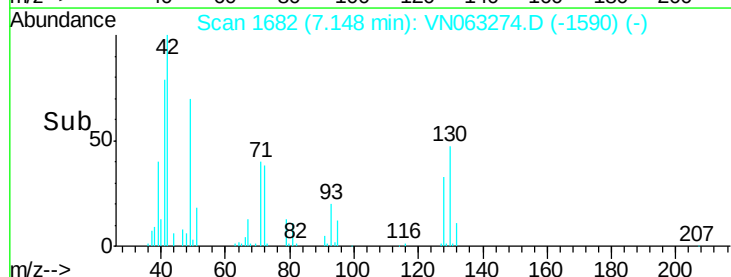
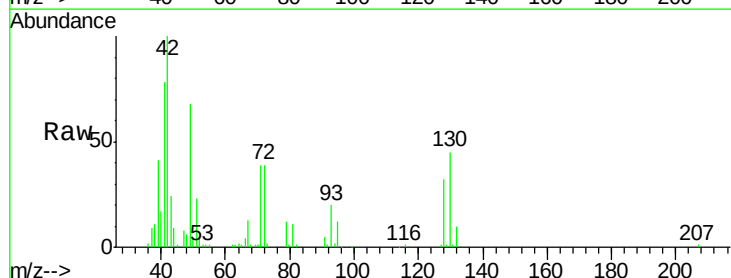
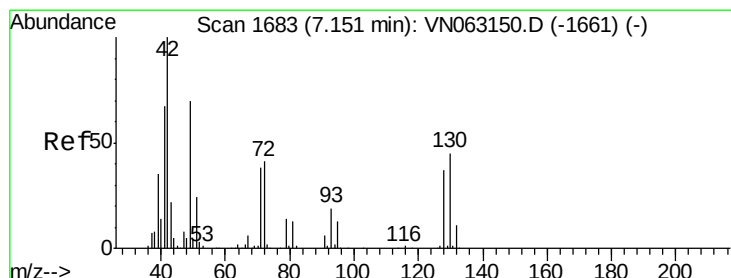
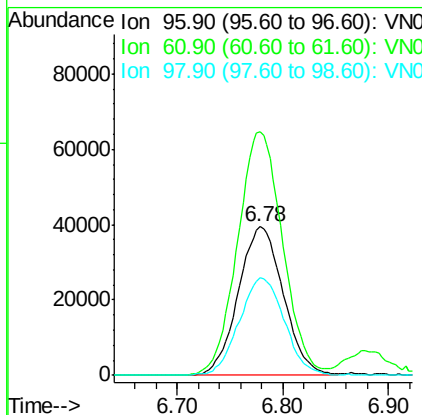
Acq: 9 Sep 2020 11:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	163.5	0.0	303.2		
98	65.7	0.0	129.0		

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 17.655 ug/l

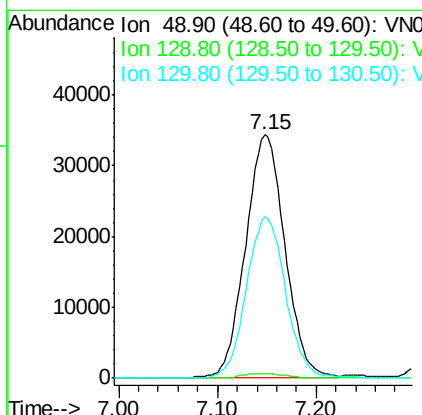
RT: 7.15 min Scan# 1682

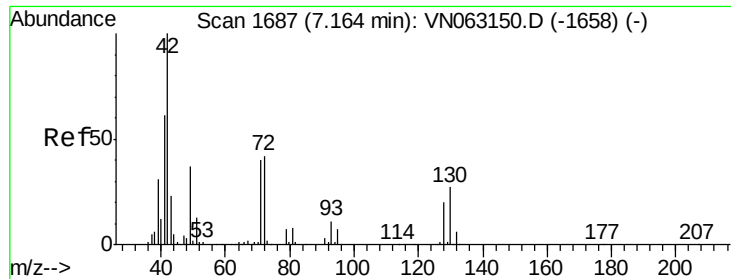
Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.9	0.0	4.0		
130	65.6	54.4	81.6		





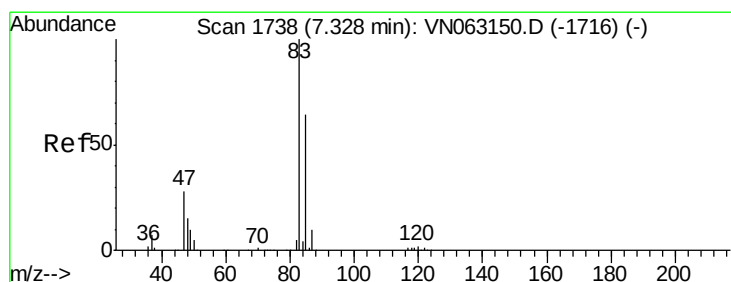
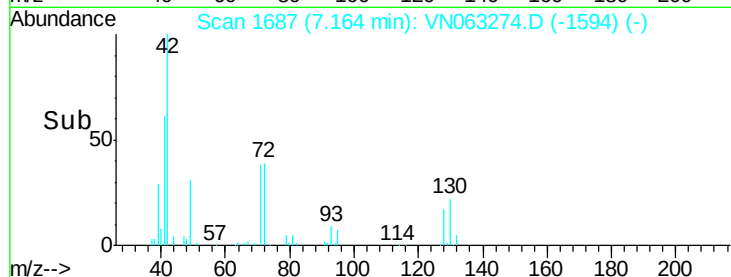
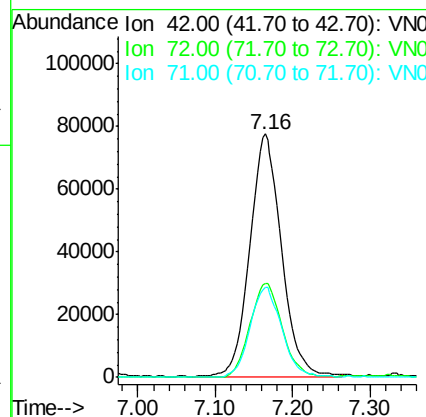
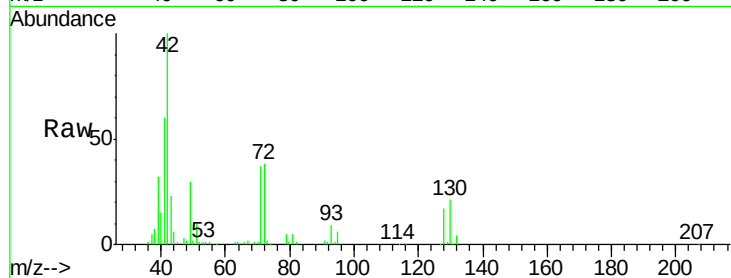
#29
Tetrahydrofuran
Concen: 103.599 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.9	50.9
71	37.4	31.9	47.9

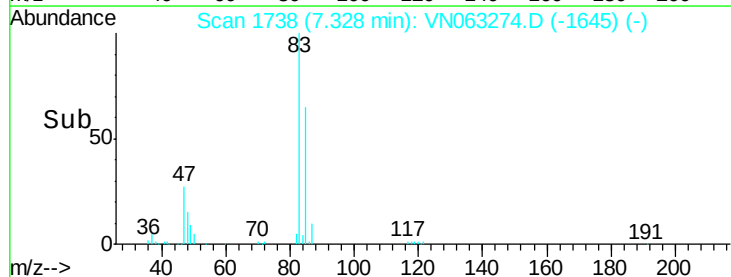
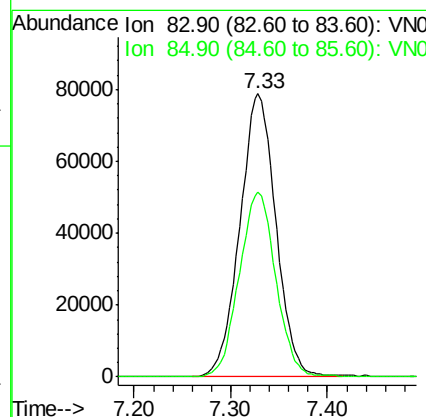
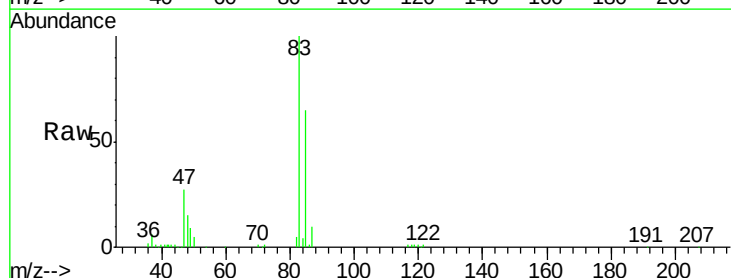
Manual Integrations
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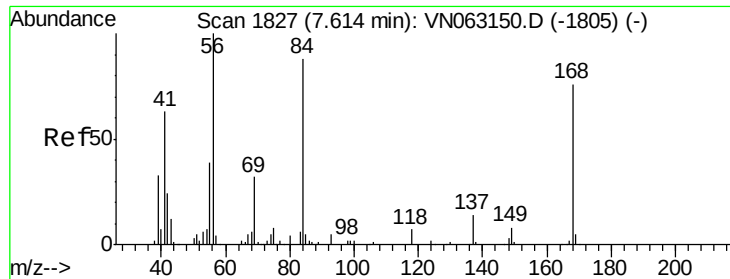
MMDadoda
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#30
Chloroform
Concen: 18.983 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6





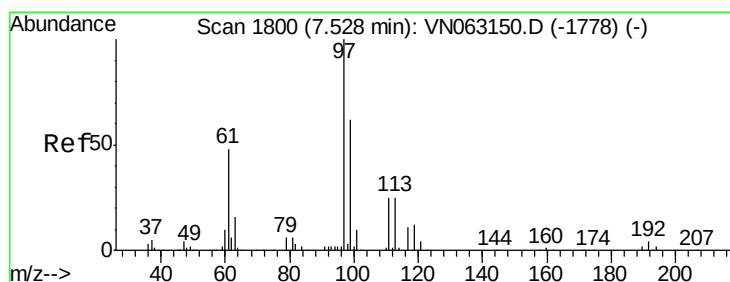
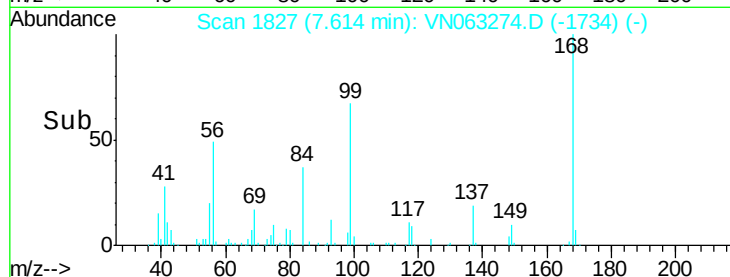
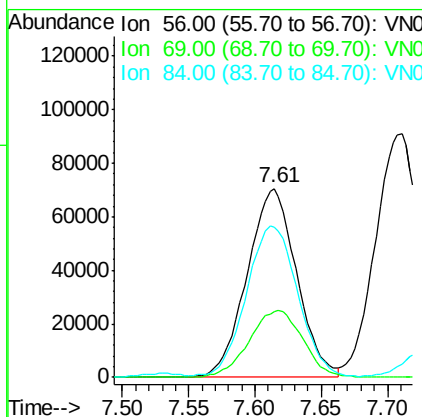
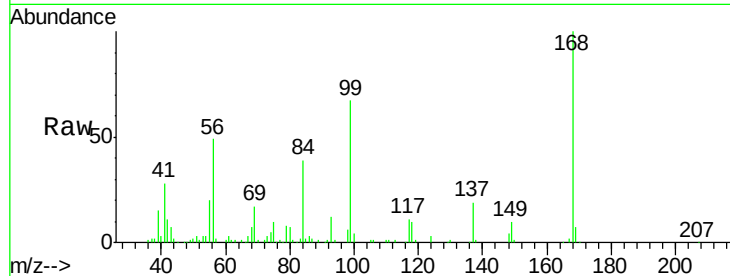
#31
Cyclohexane
Concen: 19.088 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.4	38.0
84	78.7	70.2	105.4

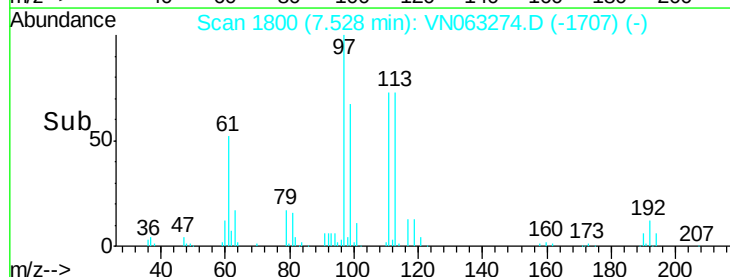
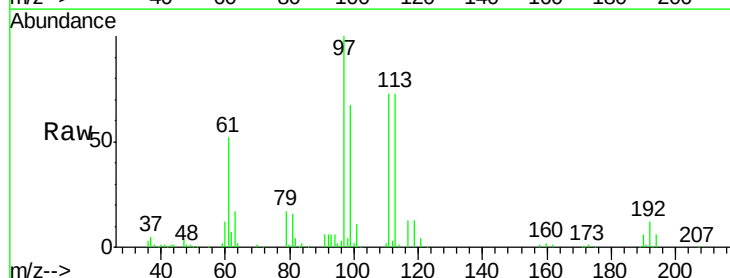
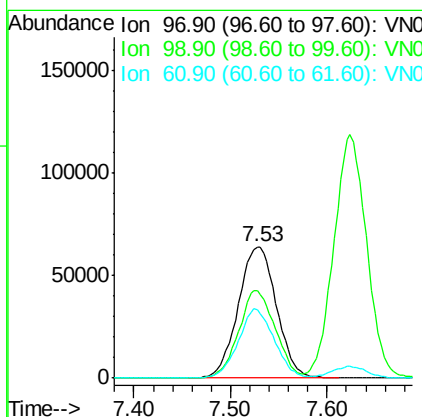
Manual Integrations
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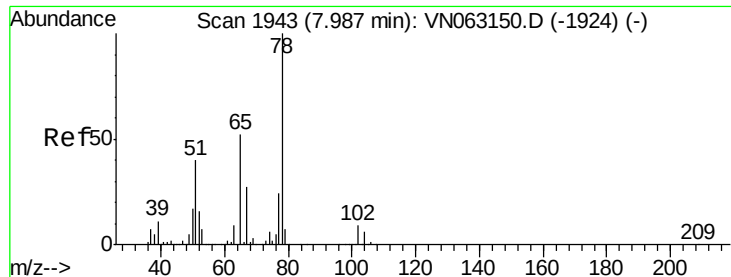
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#32
1,1,1-Trichloroethane
Concen: 19.005 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	49.6	37.4	56.2





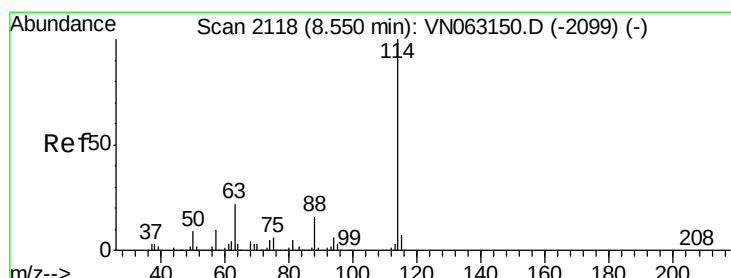
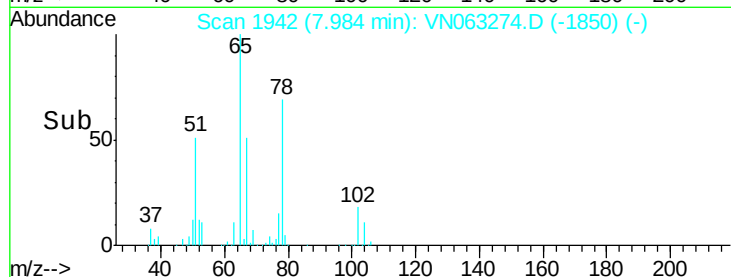
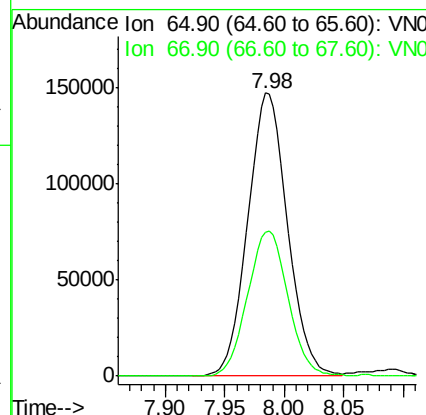
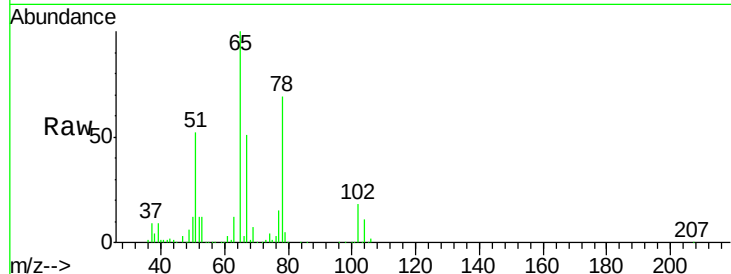
#33
 1,2-Dichloroethane-d4
 Concen: 48.630 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	340056		
67	52.3	0.0	104.4	

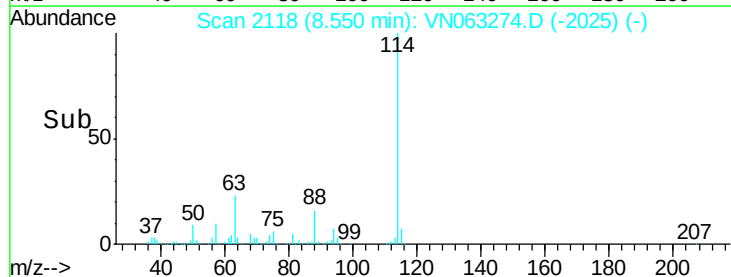
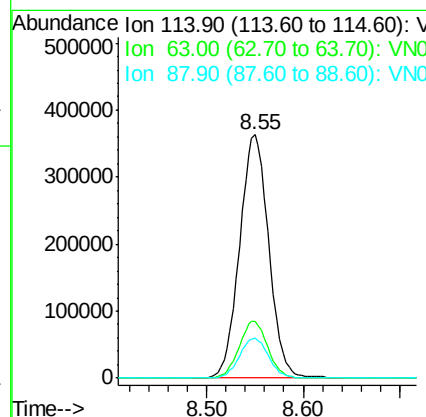
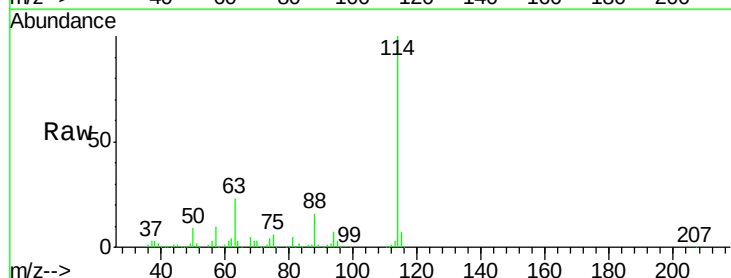
Manual Integrations
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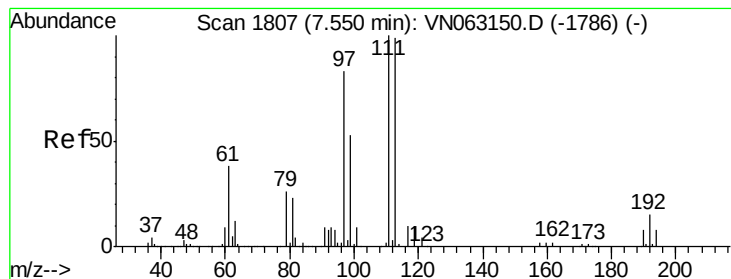
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	759540		
63	23.2	0.0	43.0	
88	16.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.745 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

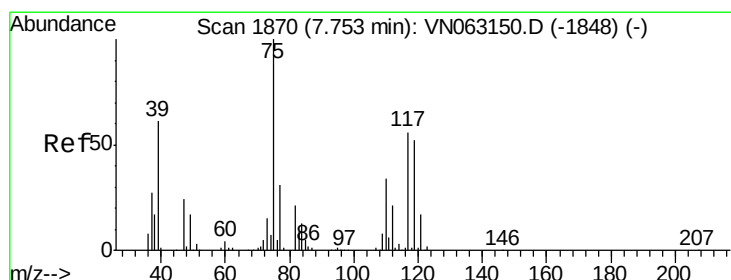
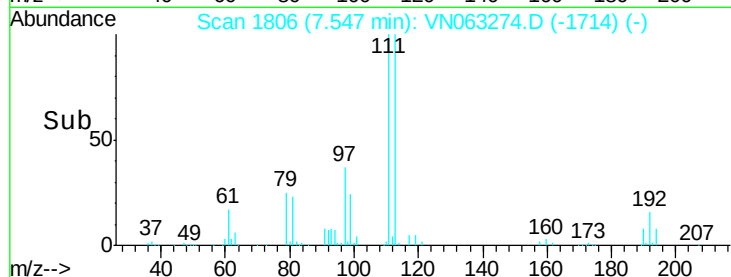
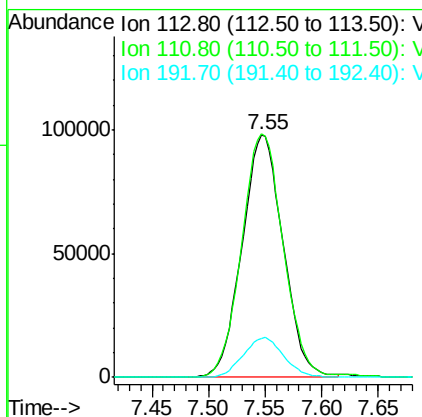
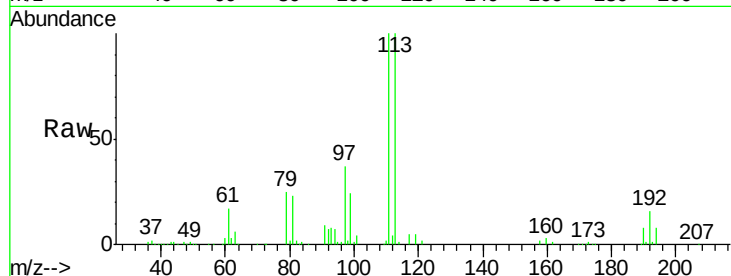
ClientSampled :

VN0909WBS01

Tot Ion:	113	Resp:	247272
Ion Ratio	Lower	Upper	
113	100		
111	101.6	80.7	121.1
192	16.2	12.6	19.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.017 ug/l

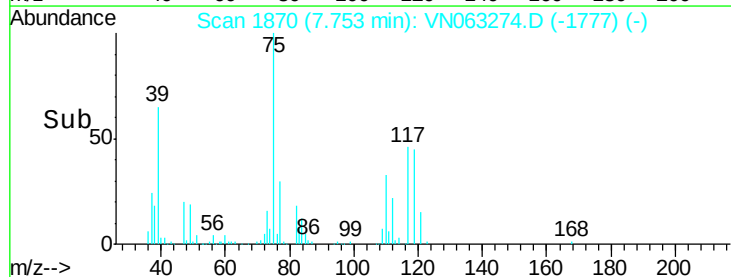
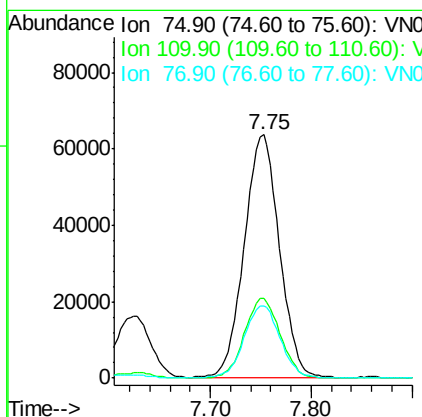
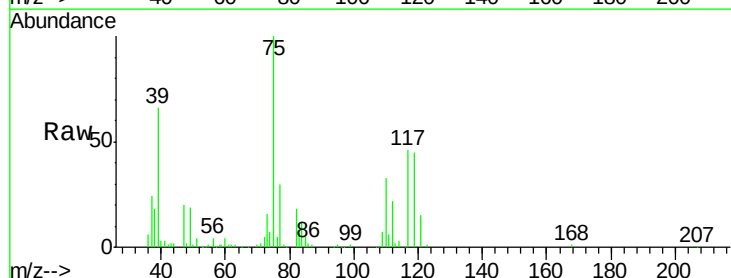
RT: 7.75 min Scan# 1870

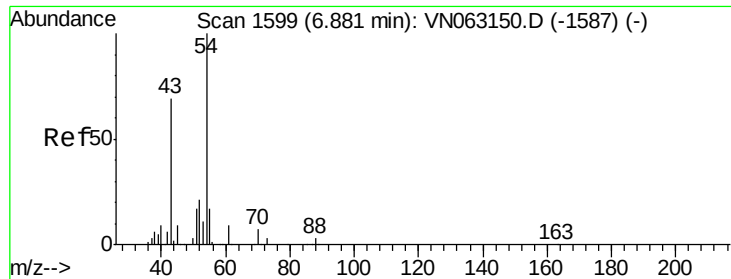
Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	75	Resp:	153461
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.6	49.8
77	30.8	25.4	38.2





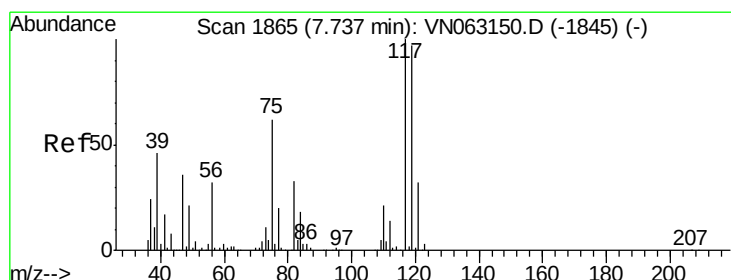
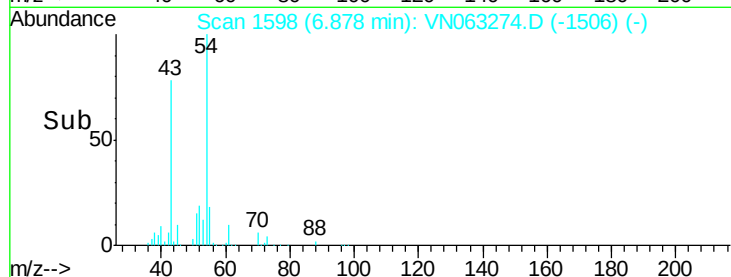
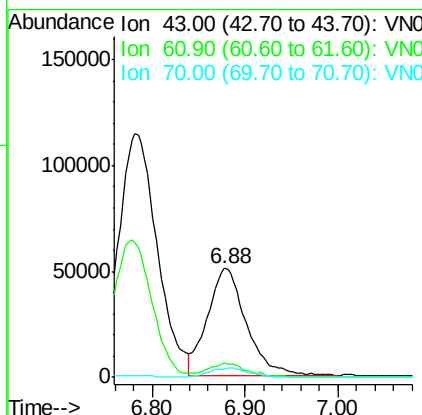
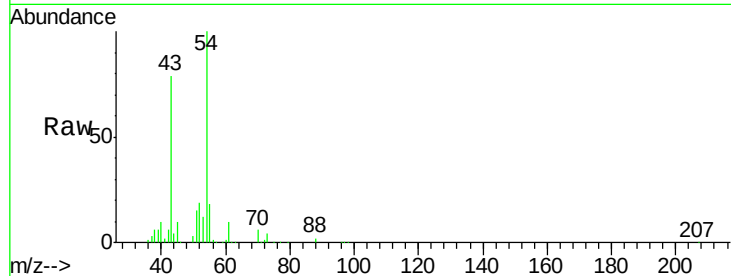
#37
Ethyl Acetate
Concen: 21.636 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.2	15.4
70	9.1	3.0	4.6

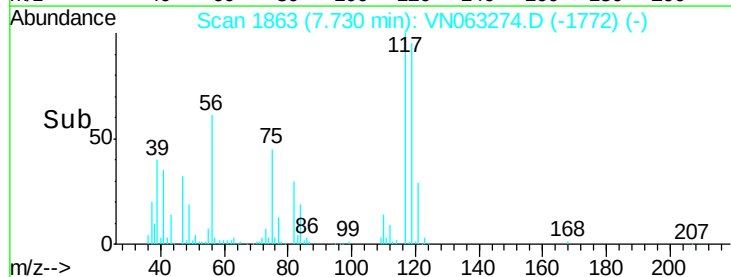
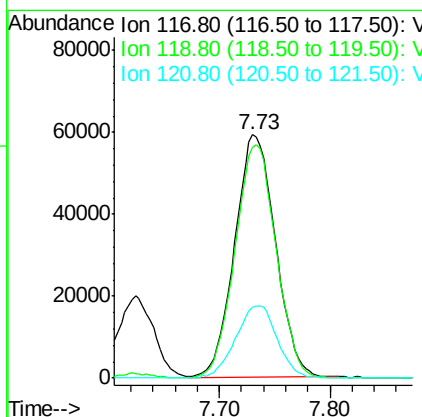
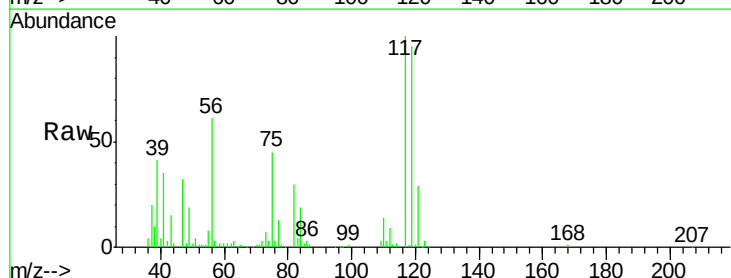
Manual Integrations
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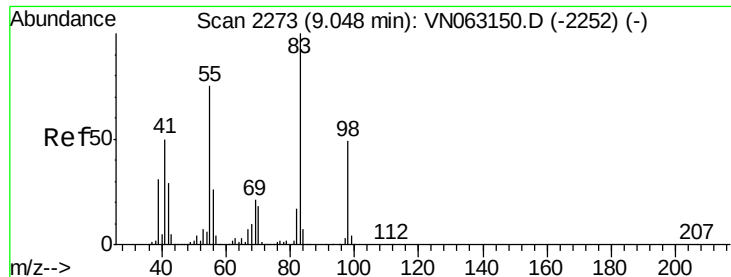
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#38
Carbon Tetrachloride
Concen: 20.528 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	29.1	25.6	38.4





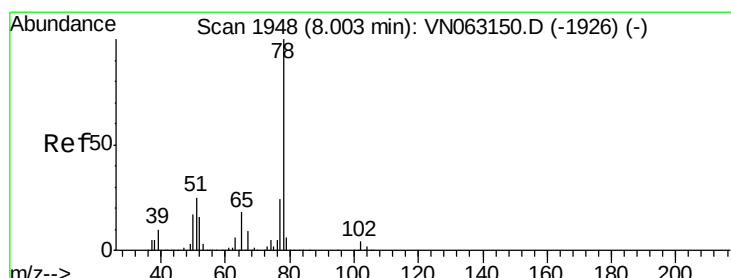
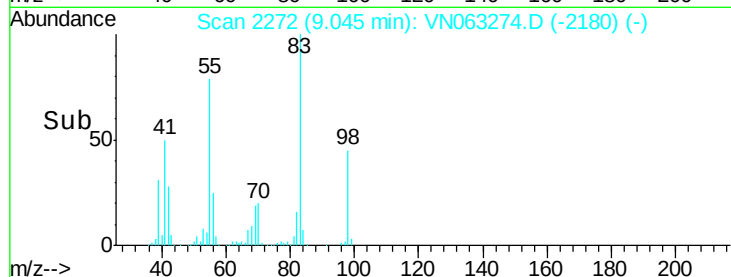
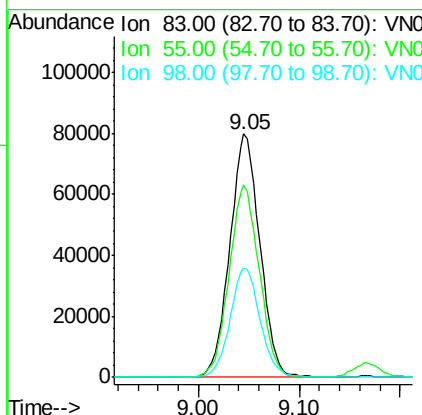
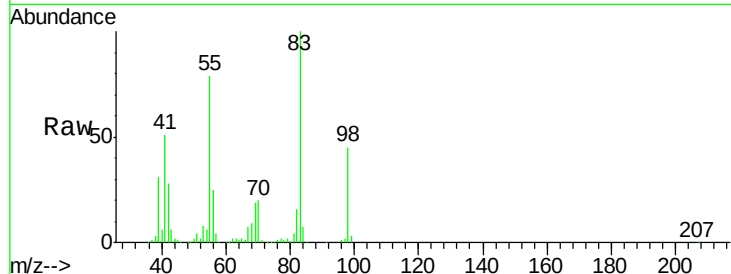
#39
Methylvlcyclohexane
Concen: 20.186 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.3	90.5
98	44.9	38.9	58.3

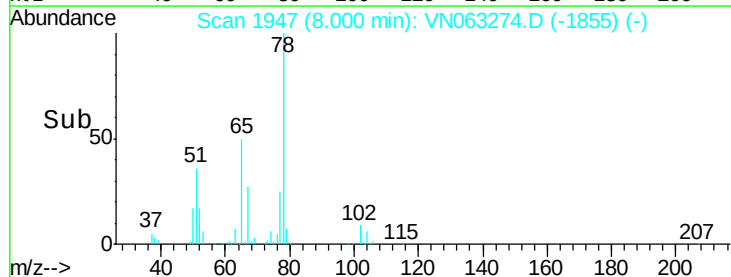
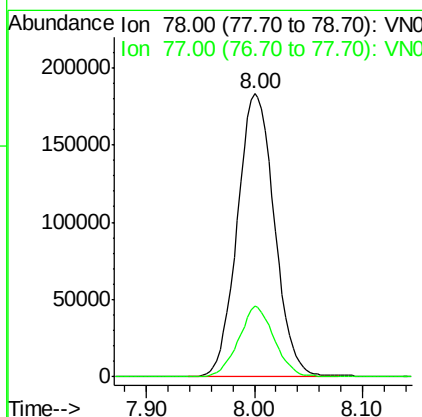
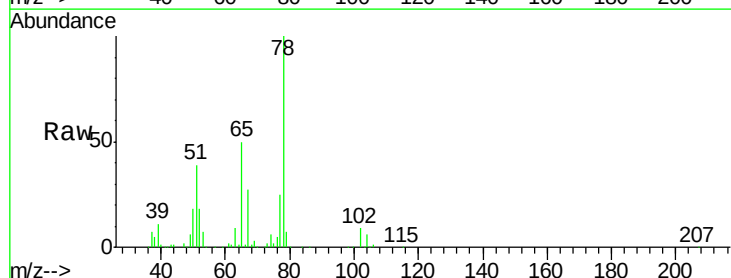
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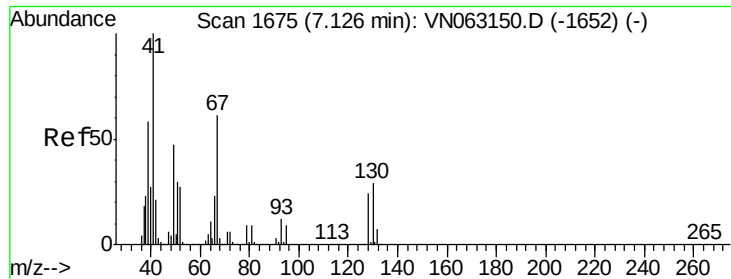
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#40
Benzene
Concen: 20.432 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





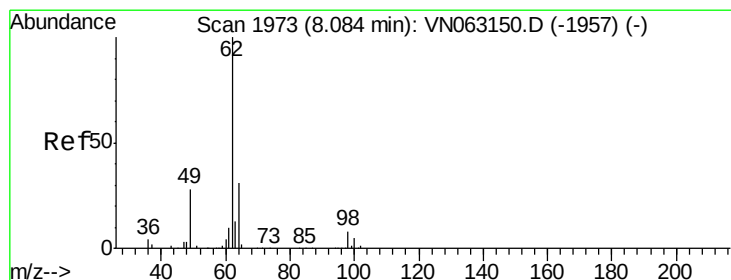
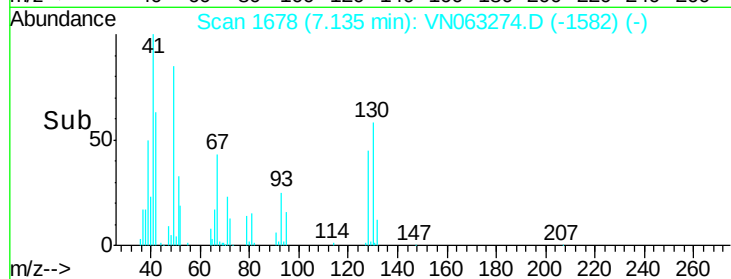
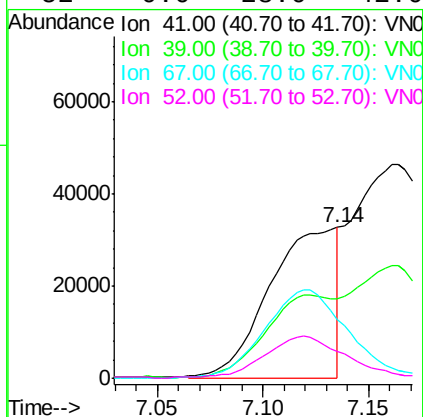
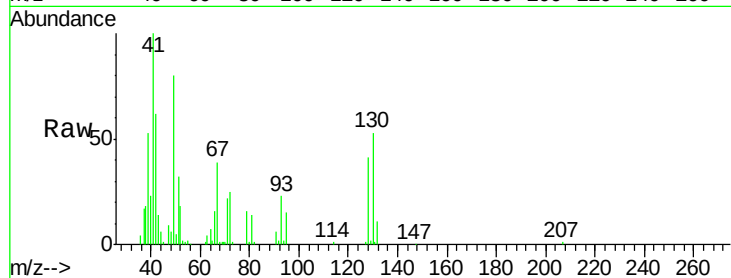
#41
Methacrylonitrile
Concen: 23.821 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

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

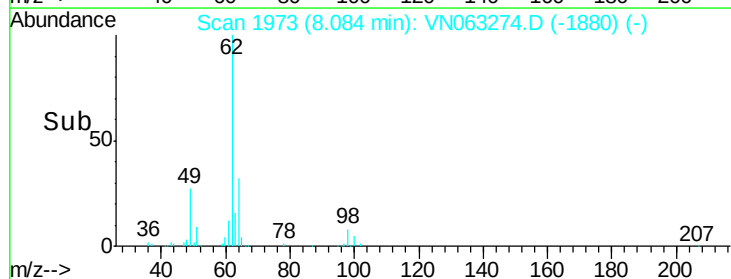
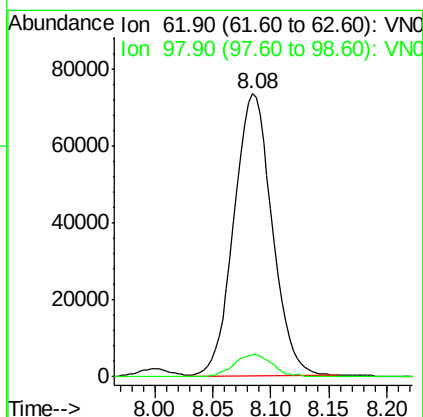
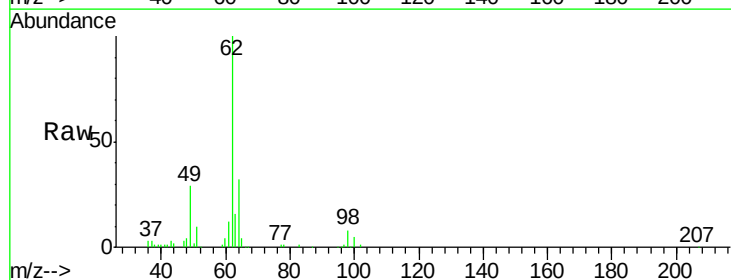
Manual Integrations
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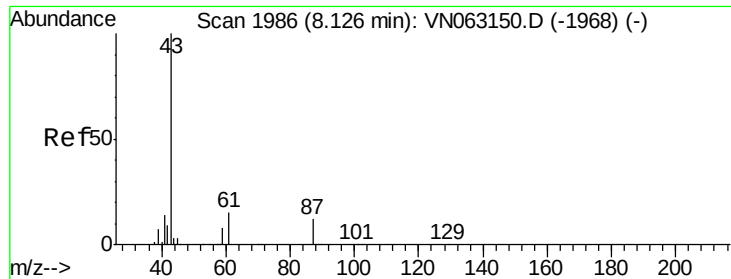
MMDadoda
9/10/2020 4:04:15 PM



#42
1,2-Dichloroethane
Concen: 20.965 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2





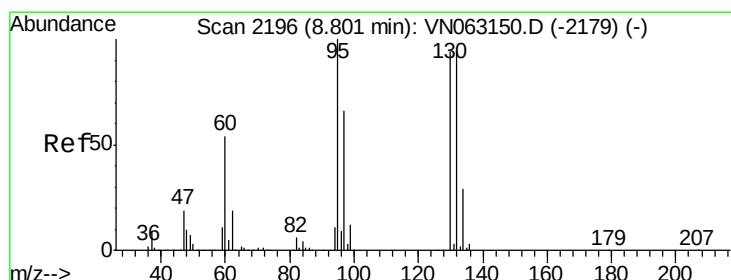
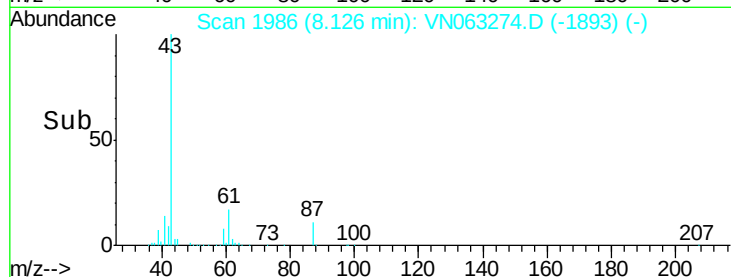
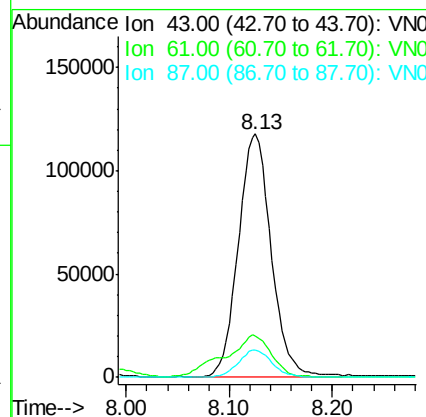
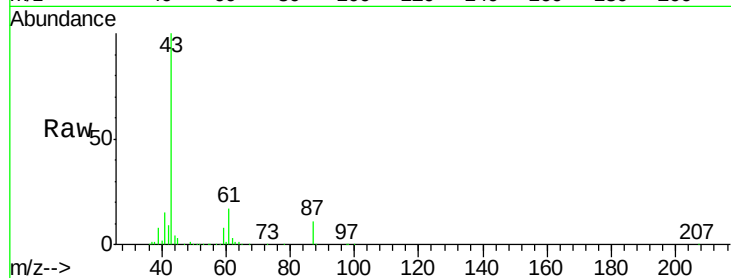
#43
Isopropyl Acetate
Concen: 21.799 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	20.2	30.4
87	11.6	9.8	14.6

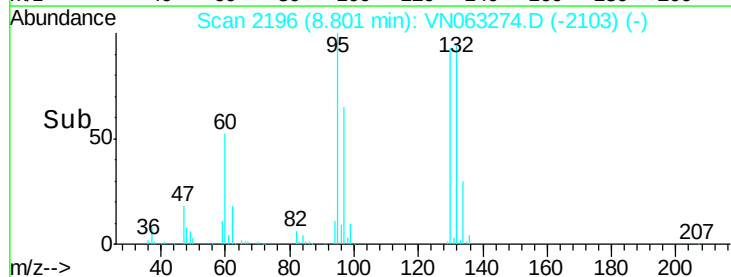
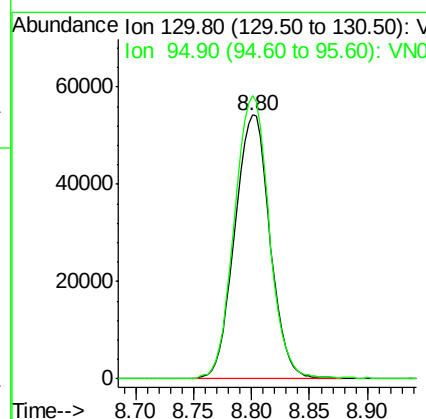
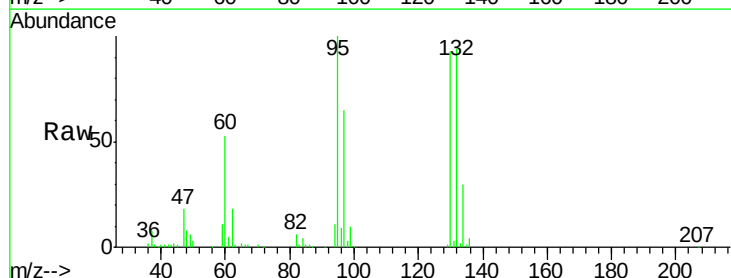
Manual Integrations
APPROVED

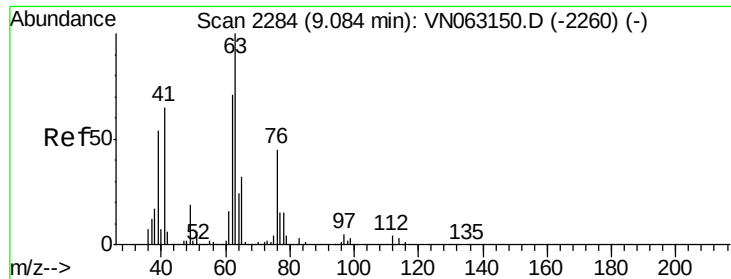
MMDadoda
9/10/2020 4:04:15 PM



#44
Trichloroethene
Concen: 21.930 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	212.0





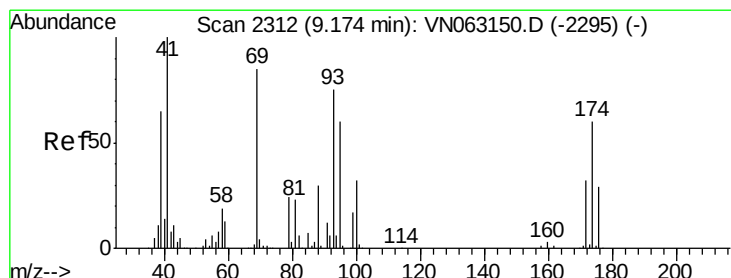
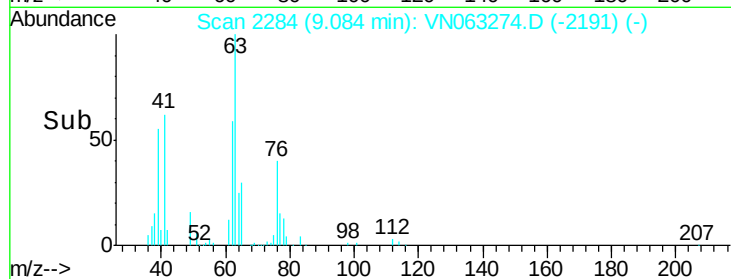
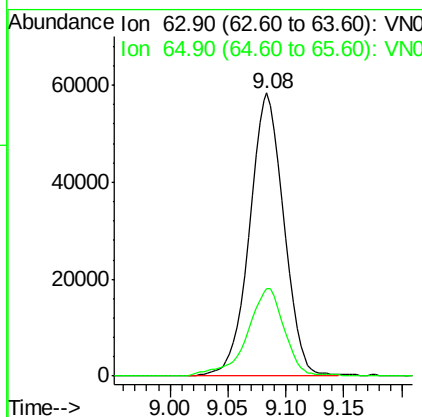
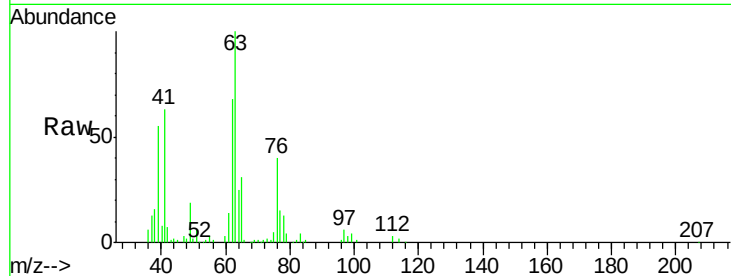
#45
 1,2-Dichloropropane
 Concen: 21.209 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion: 63 Resp: 120493
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0

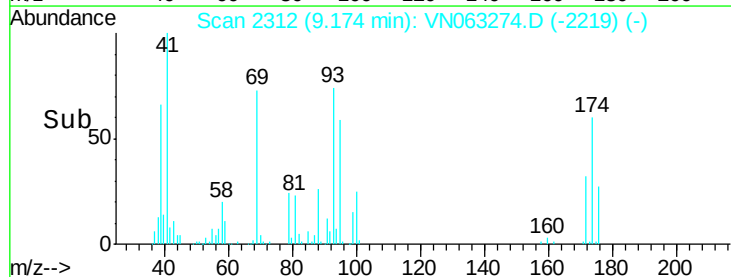
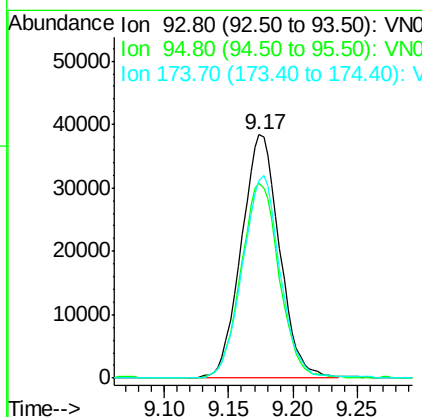
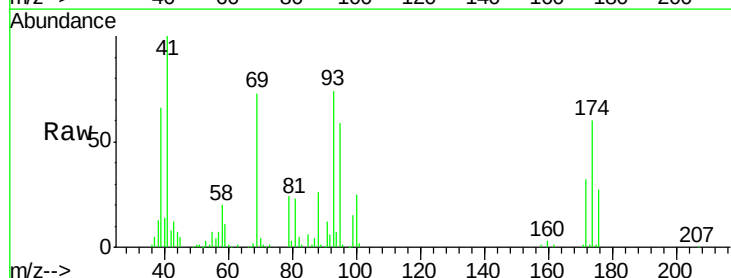
Manual Integrations
 APPROVED

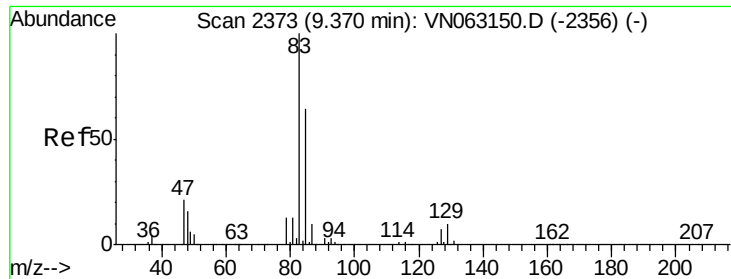
MMDadoda
 9/10/2020 4:04:15 PM



#46
 Dibromomethane
 Concen: 21.066 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion: 93 Resp: 79312
 Ion Ratio Lower Upper
 93 100
 95 80.2 65.2 97.8
 174 82.3 64.6 97.0





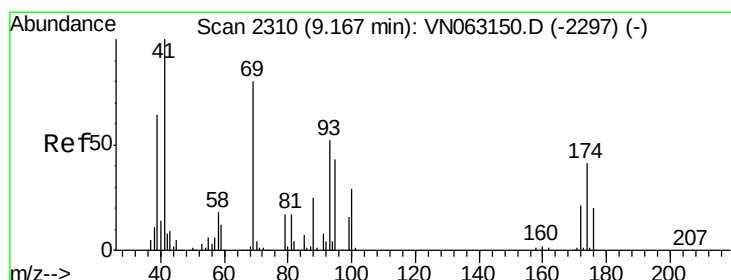
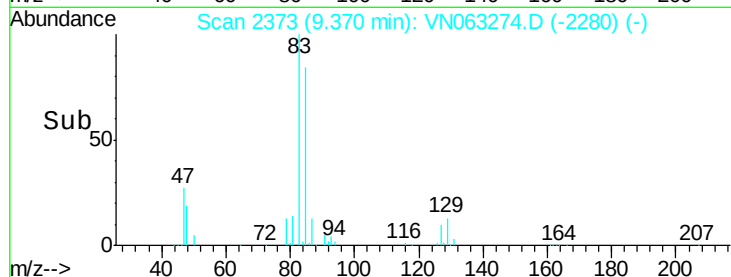
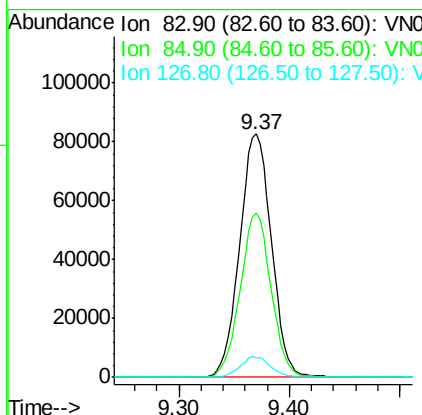
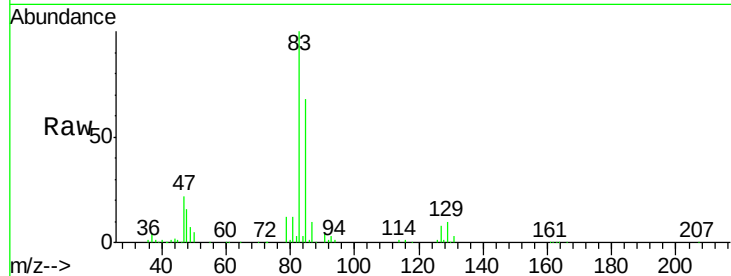
#47
Bromodichloromethane
Concen: 20.504 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165466		
85	67.7	51.0	76.6	
127	8.2	5.7	8.5	

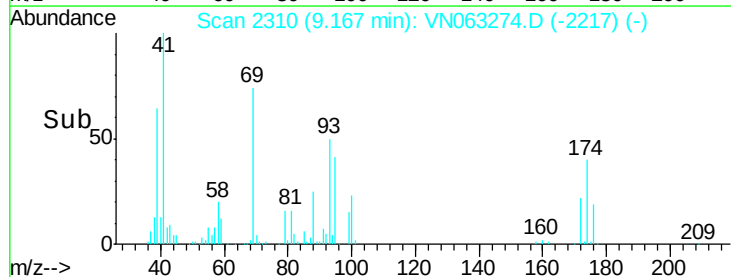
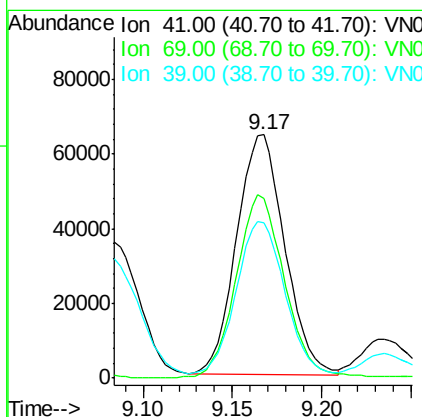
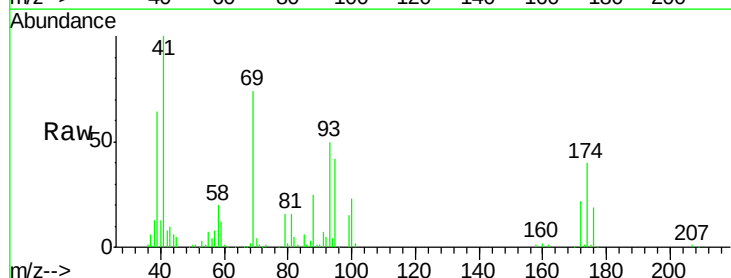
Manual Integrations
APPROVED

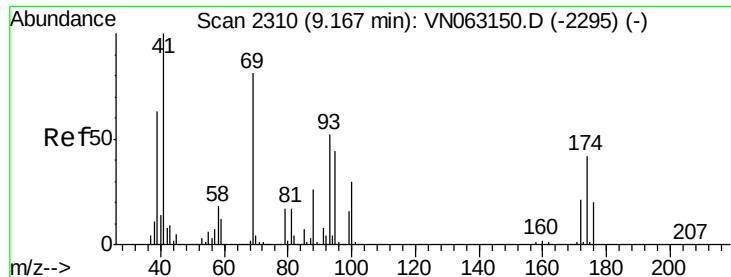
MMDadoda
9/10/2020 4:04:15 PM



#48
Methyl methacrylate
Concen: 22.563 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	121125		
69	77.3	65.9	98.9	
39	66.1	52.0	78.0	





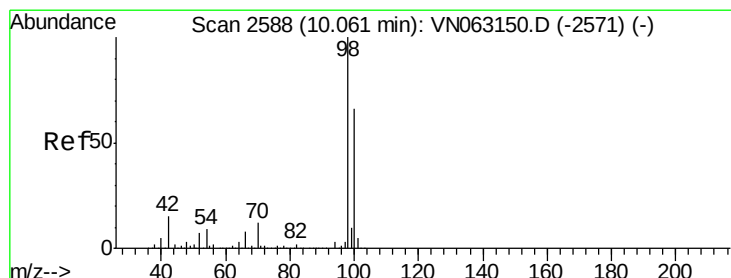
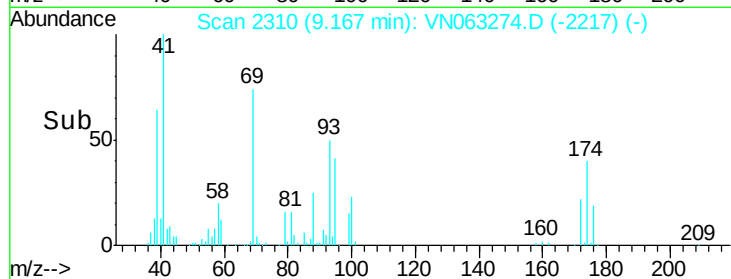
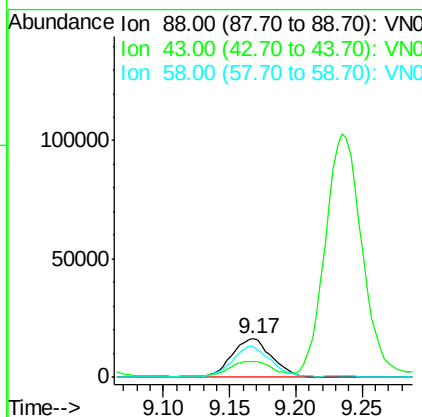
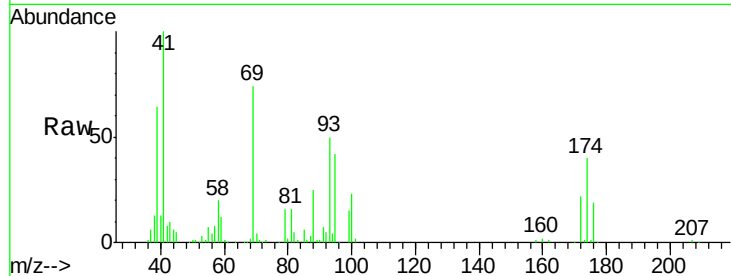
#49
 1,4-Dioxane
 Concen: 418.663 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0909WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	28.6	42.8
58	76.6	53.2	79.8

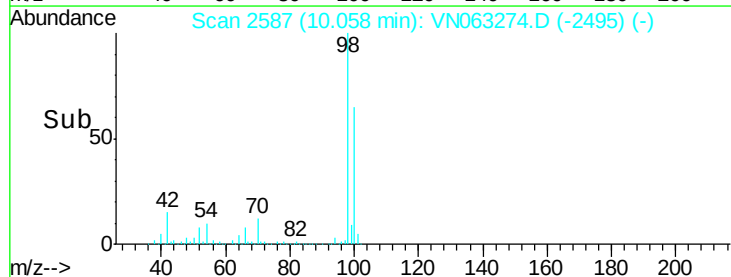
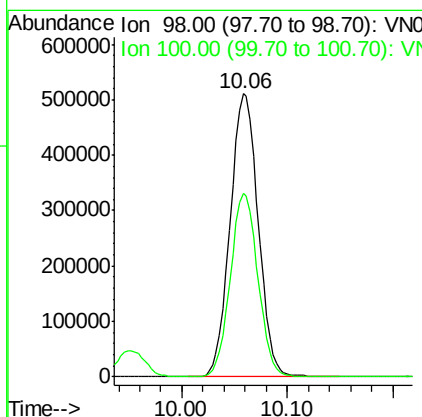
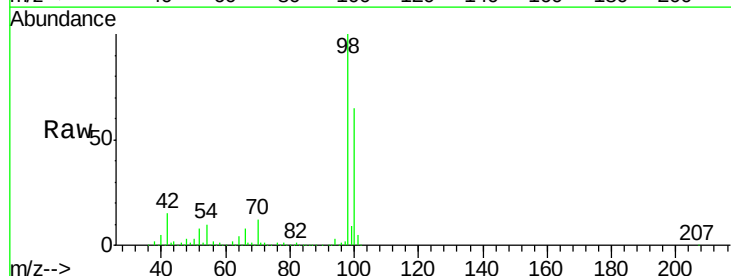
Manual Integrations
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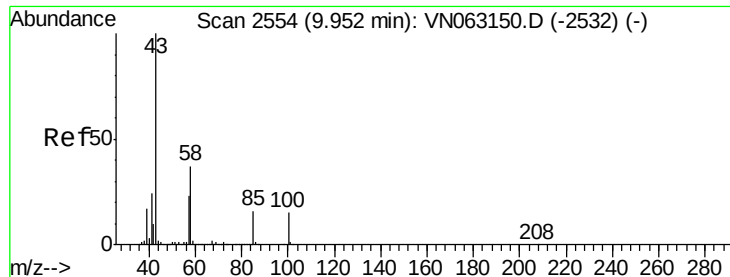
MMDadoda
 9/10/2020 4:04:15 PM



#50
 Toluene-d8
 Concen: 50.187 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 112.751 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 43 Resp: 729613

Ion Ratio Lower Upper

43 100

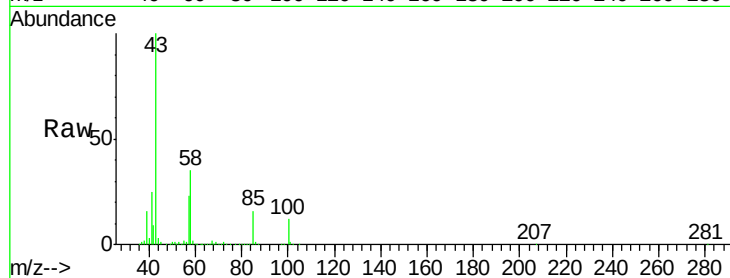
58 35.8 29.2 43.8

Manual Integrations

APPROVED

MMDadoda

9/10/2020 4:04:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-2532) (-)

9.95

400000

300000

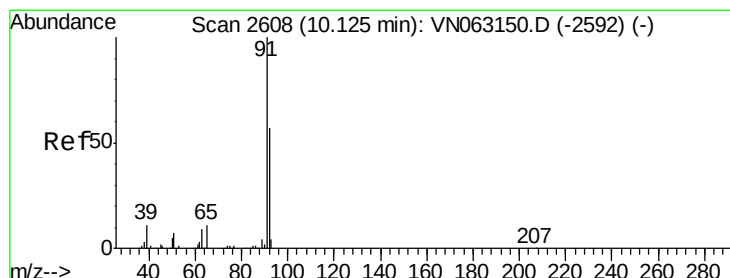
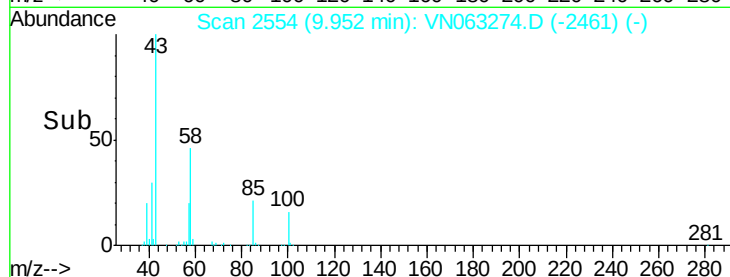
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 20.382 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063274.D

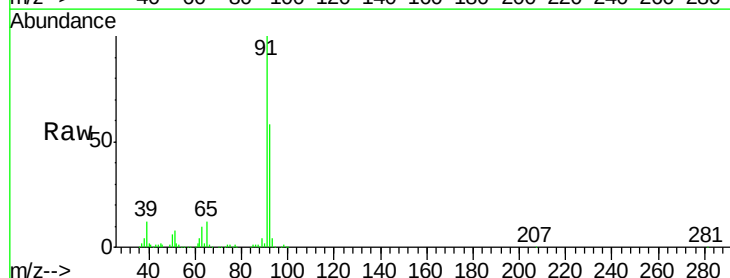
Acq: 9 Sep 2020 11:46

Tgt Ion: 92 Resp: 272436

Ion Ratio Lower Upper

92 100

91 175.9 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN063150.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063150.D (-2592) (-)

10.13

300000

250000

200000

150000

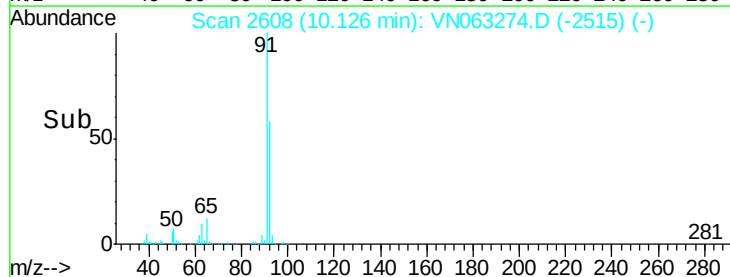
100000

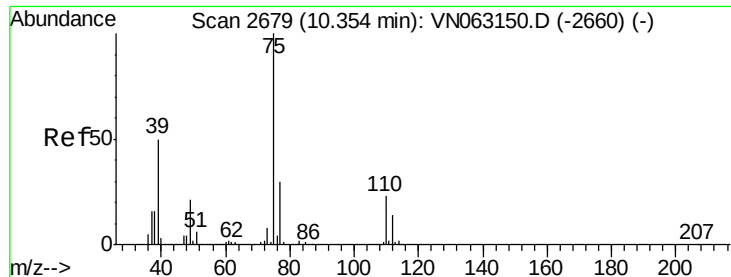
50000

0

10.05 10.10 10.15 10.20

Time-->





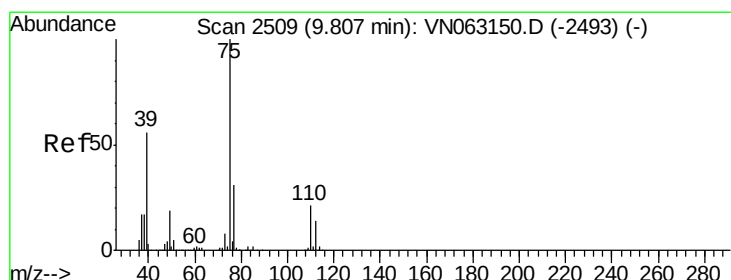
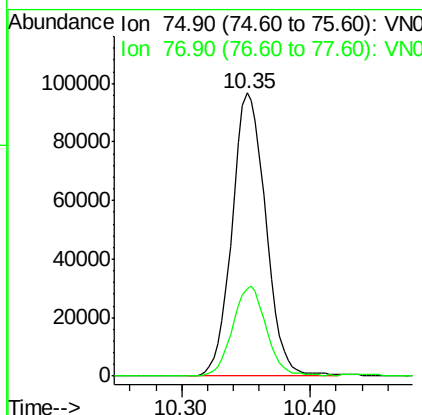
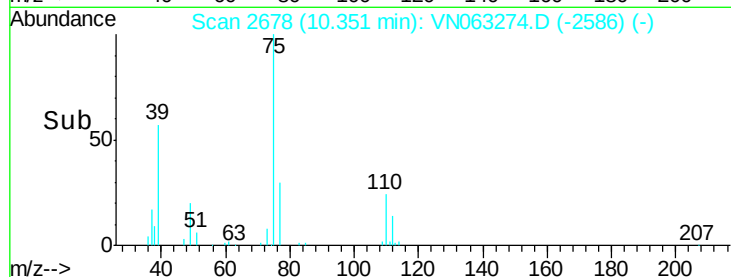
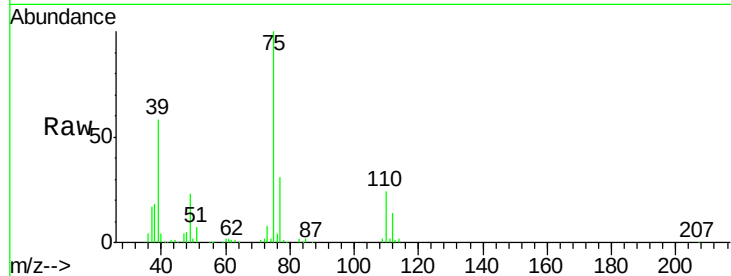
#53
t-1,3-Dichloropropene
Concen: 19.881 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion: 75 Resp: 175492
Ion Ratio Lower Upper
75 100
77 30.6 24.2 36.2

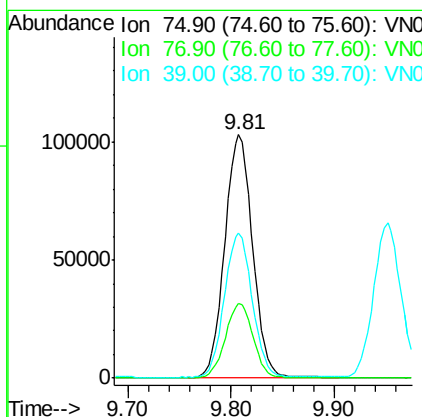
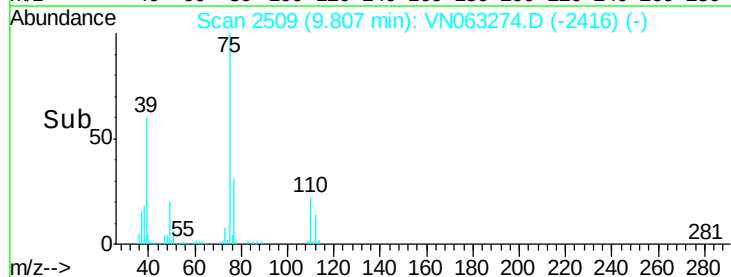
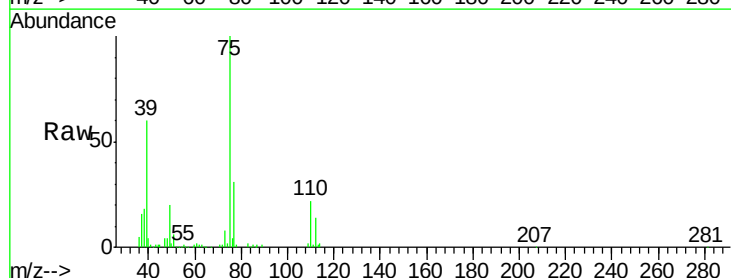
Manual Integrations
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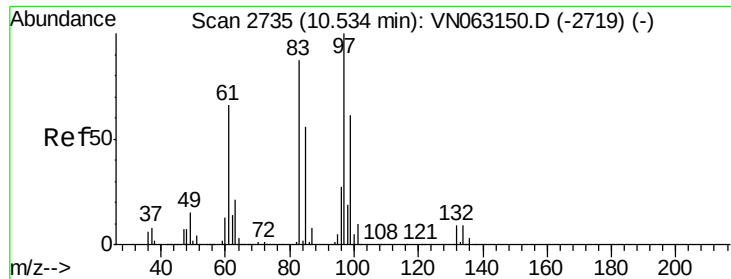
MMDadoda
9/10/2020 4:04:15 PM



#54
cis-1,3-Dichloropropene
Concen: 21.057 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion: 75 Resp: 195110
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 59.3 45.0 67.6





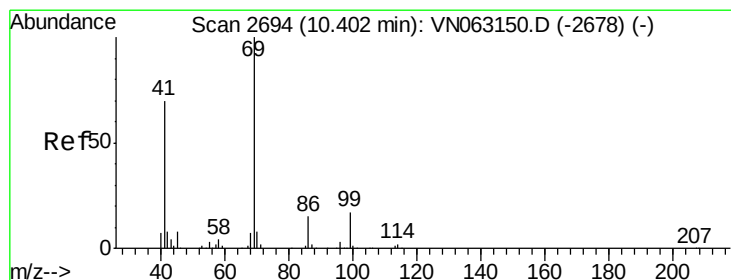
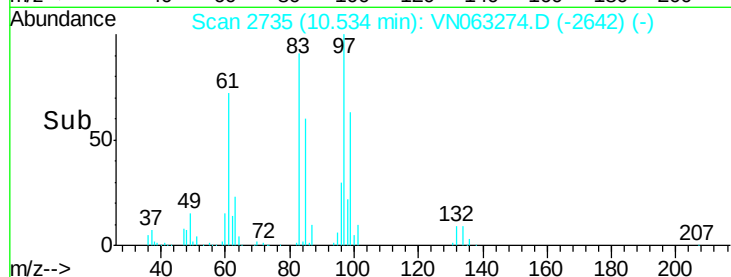
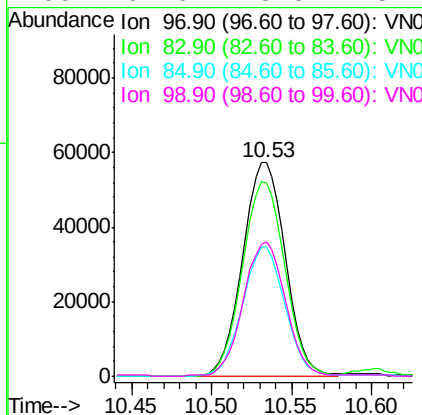
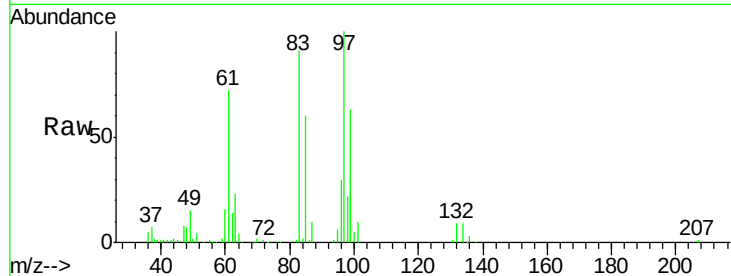
#55
 1,1,2-Trichloroethane
 Concen: 20.411 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		104485		
83	90.6	69.8	104.8		
85	60.4	44.9	67.3		
99	62.6	48.8	73.2		

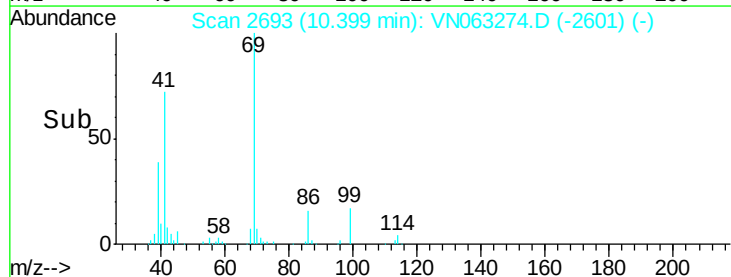
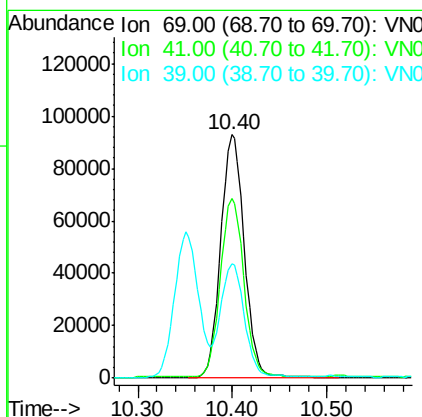
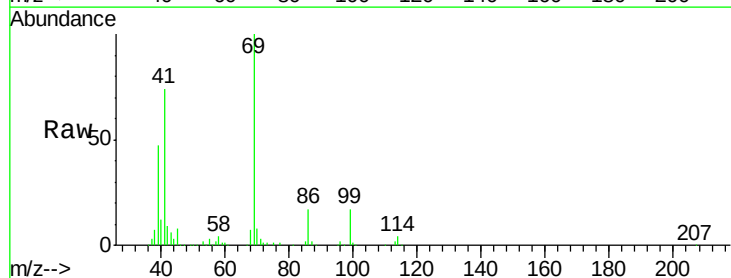
Manual Integrations
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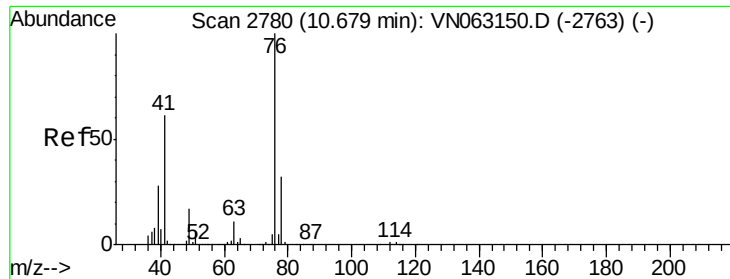
MMDadoda
 9/10/2020 4:04:15 PM



#56
 Ethyl methacrylate
 Concen: 20.809 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		162112		
41	72.8	55.5	83.3		
39	45.6	38.2	57.2		





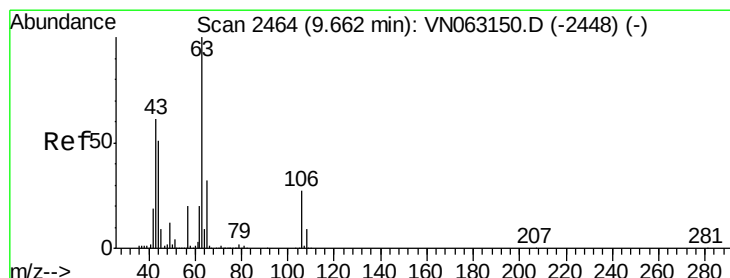
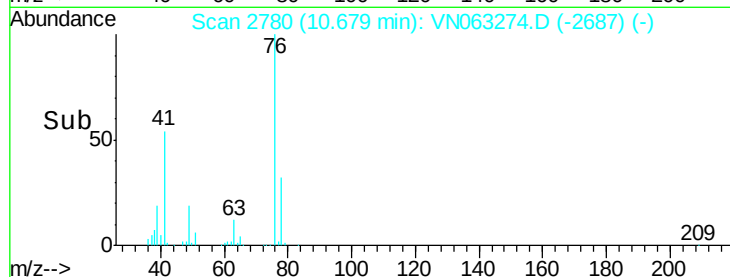
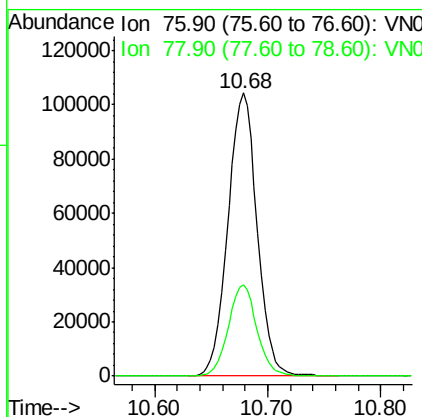
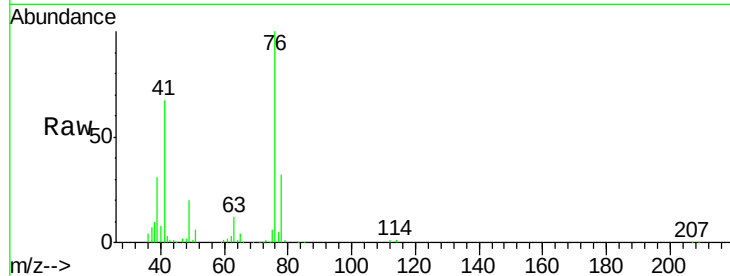
#57
 1,3-Dichloropropane
 Concen: 20.496 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

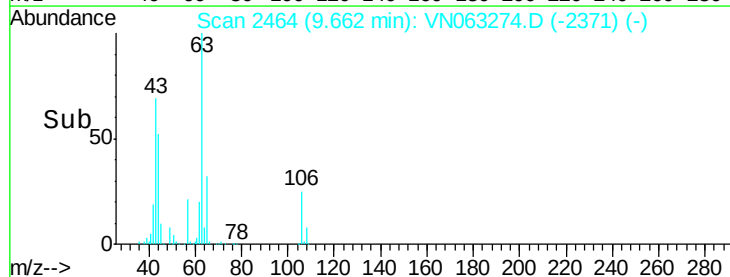
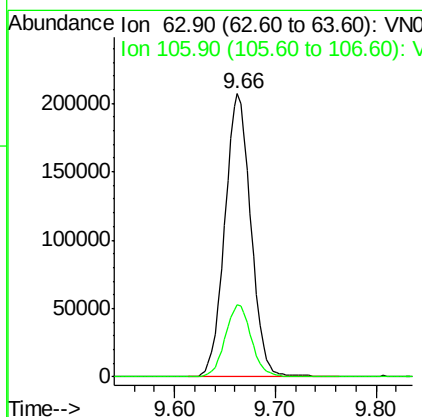
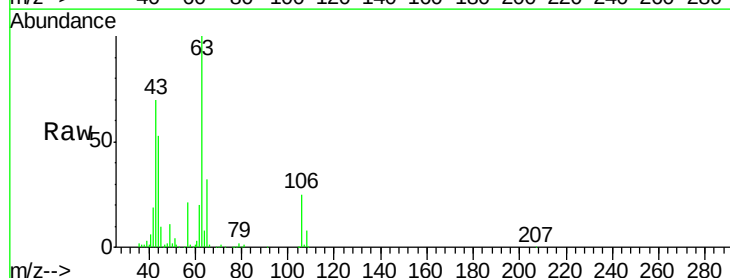
Manual Integrations
 APPROVED

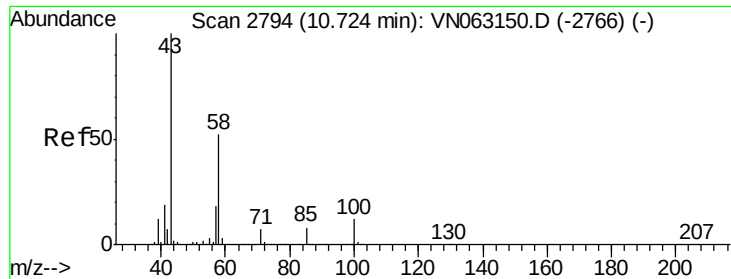
MMDadoda
 9/10/2020 4:04:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.583 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	21.8	32.6





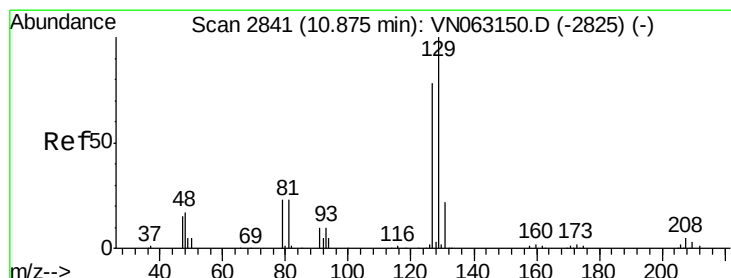
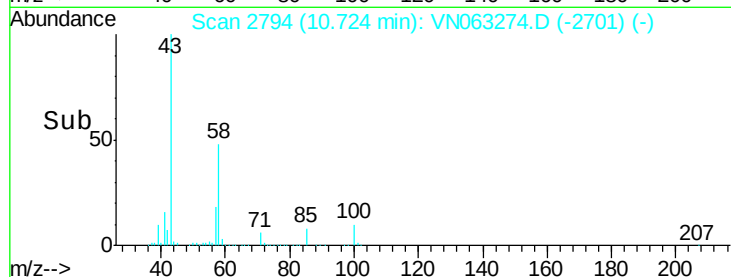
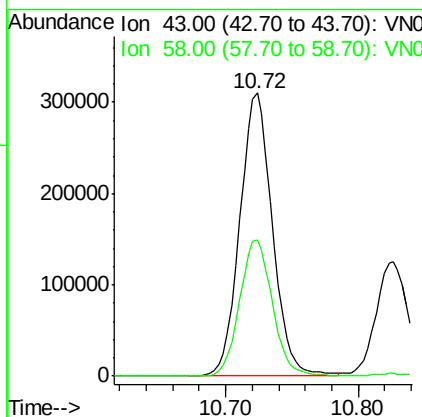
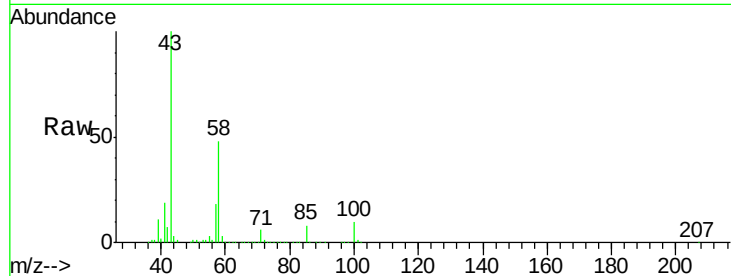
#59
2-Hexanone
Concen: 115.141 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion: 43 Resp: 523632
Ion Ratio Lower Upper
43 100
58 49.0 25.9 77.8

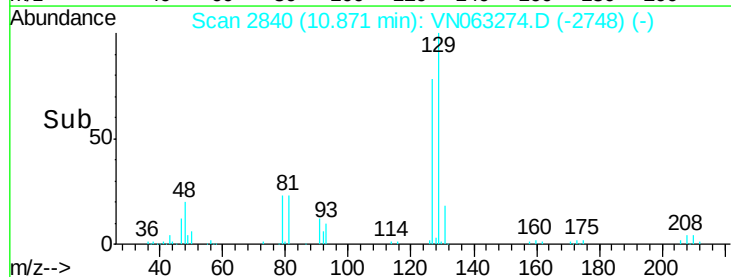
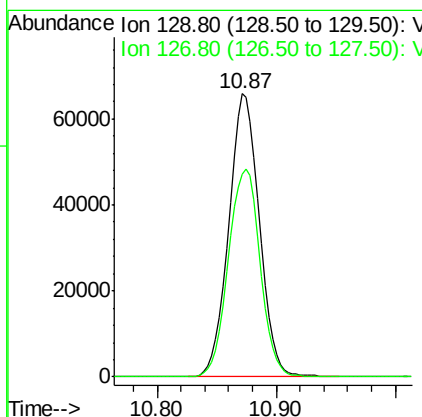
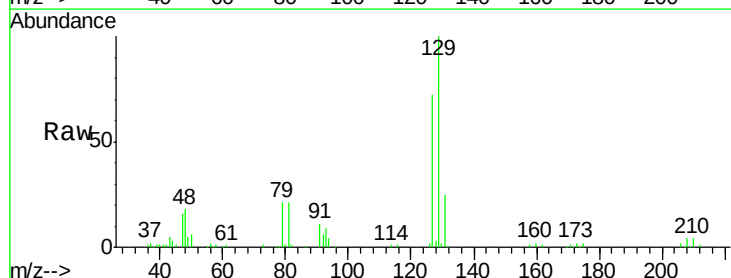
Manual Integrations
APPROVED

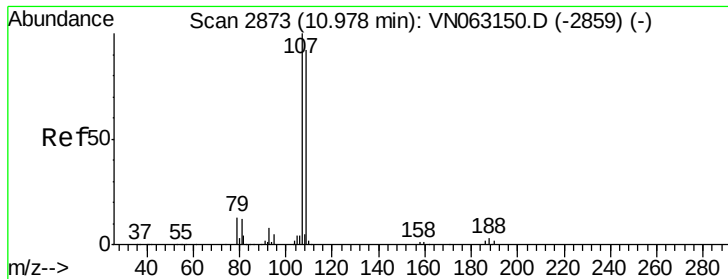
MMDadoda
9/10/2020 4:04:15 PM



#60
Dibromochloromethane
Concen: 20.737 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion: 129 Resp: 117357
Ion Ratio Lower Upper
129 100
127 76.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.073 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tot Ion: 107 Resp: 106818

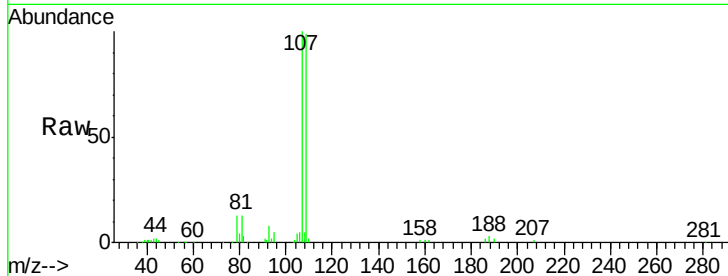
Ion Ratio Lower Upper

107 100

109 94.6 73.4 110.0

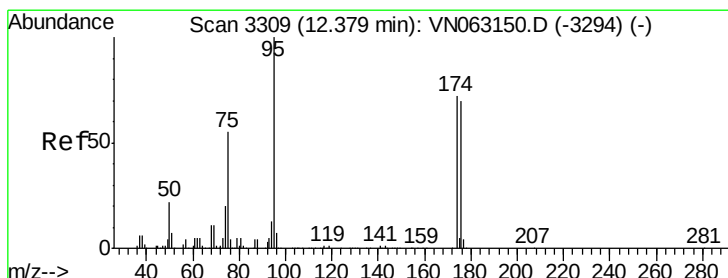
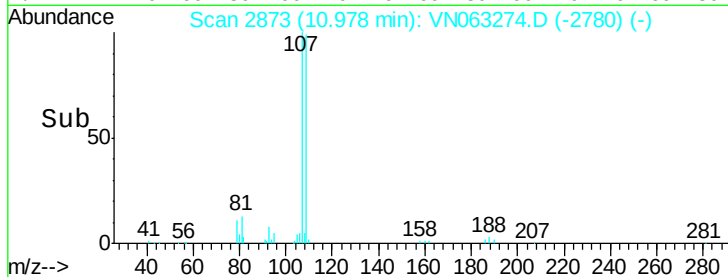
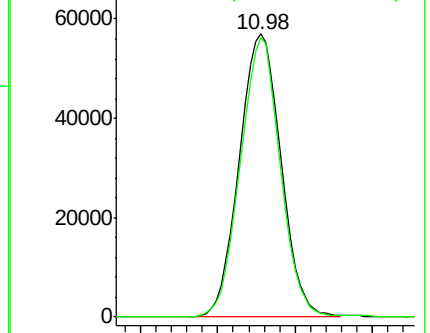
Manual Integrations
APPROVED

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9/10/2020 4:04:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.050 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

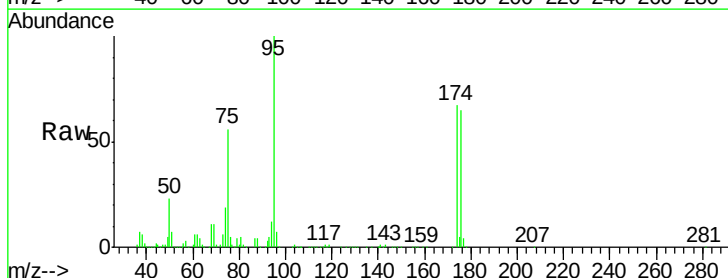
Tgt Ion: 95 Resp: 348052

Ion Ratio Lower Upper

95 100

174 67.4 0.0 143.8

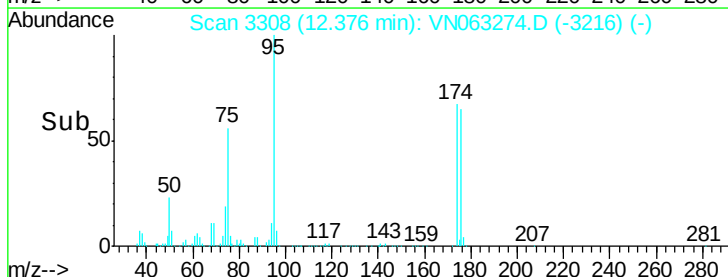
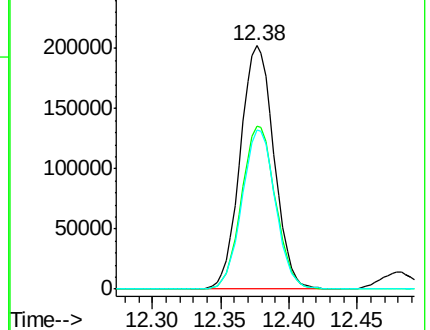
176 64.7 0.0 138.4

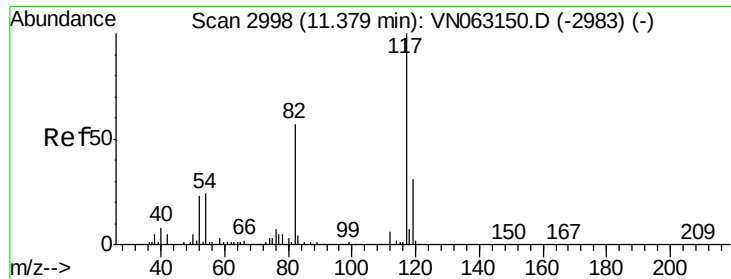


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





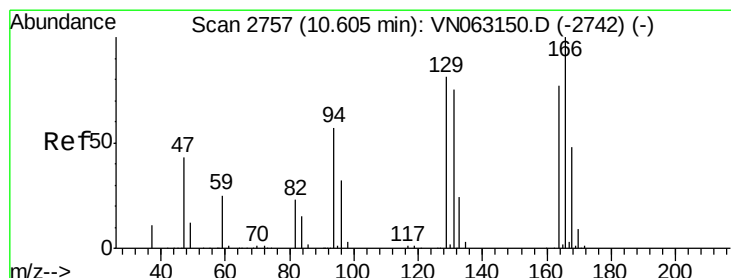
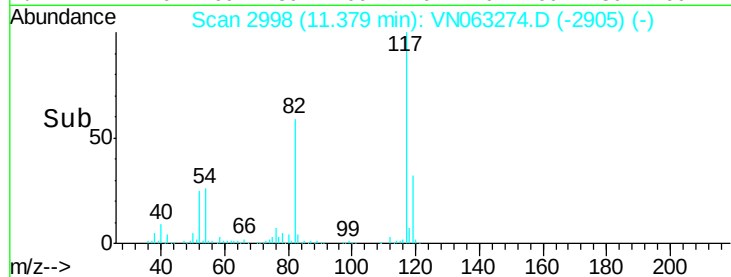
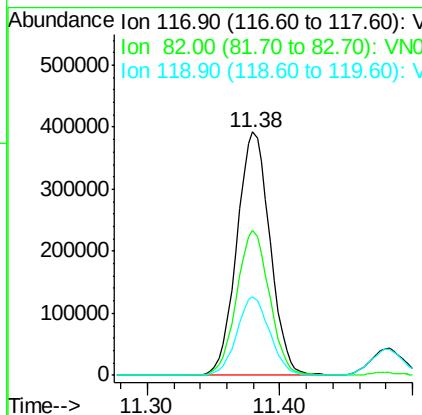
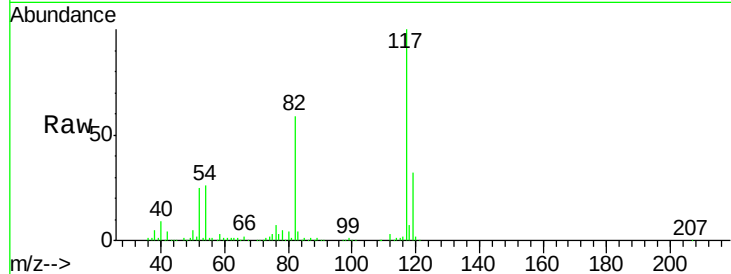
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	682812		
82	59.4	45.4	68.0	
119	32.1	24.6	37.0	

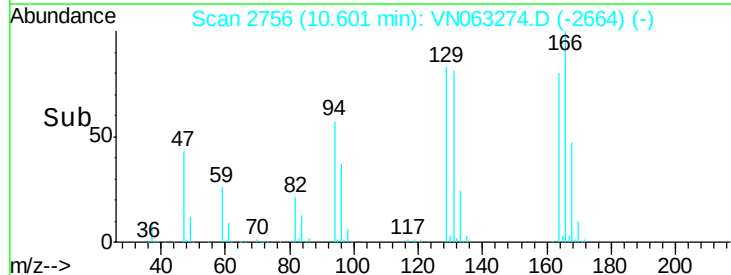
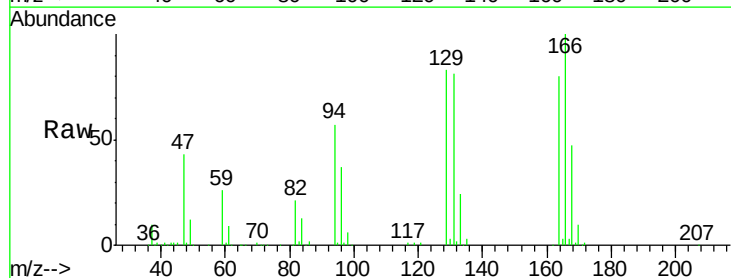
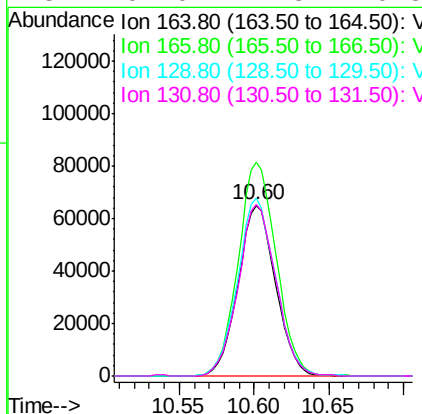
Manual Integrations
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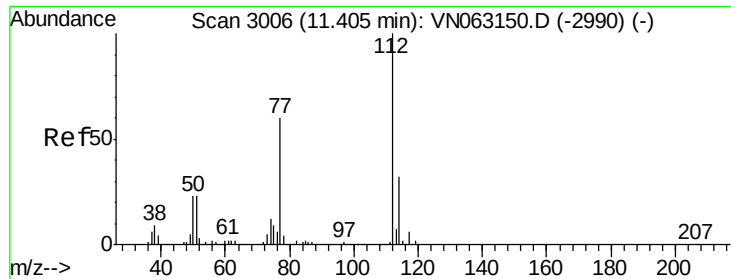
MMDadoda
9/10/2020 4:04:15 PM



#64
Tetrachloroethene
Concen: 23.074 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113139		
166	125.4	103.4	155.2	
129	104.2	83.4	125.0	
131	101.0	77.8	116.8	





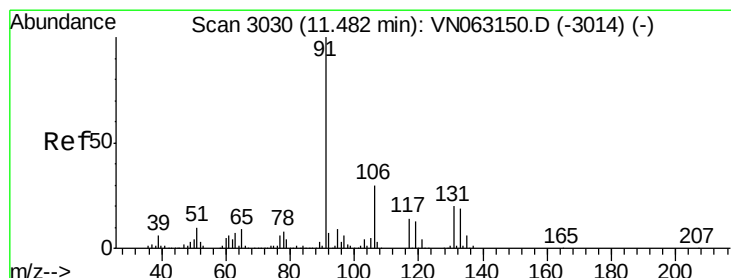
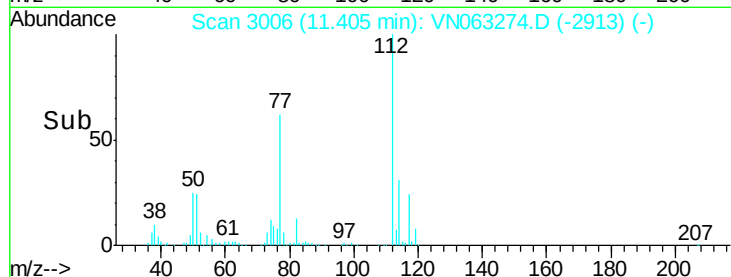
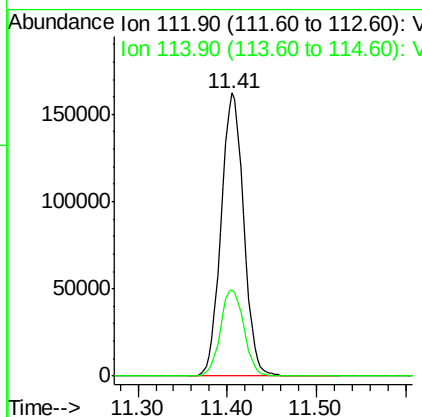
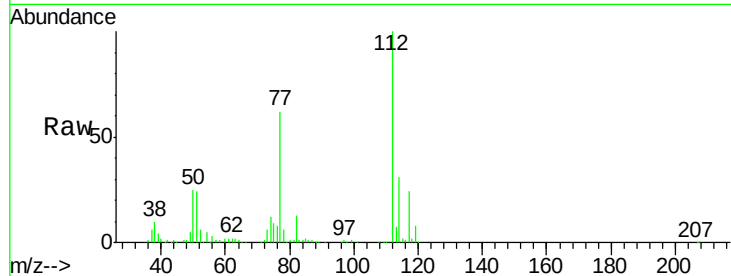
#65
Chlorobenzene
Concen: 20.716 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion:112 Resp: 284898
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8

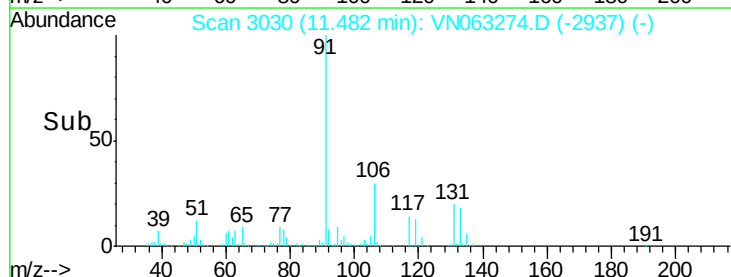
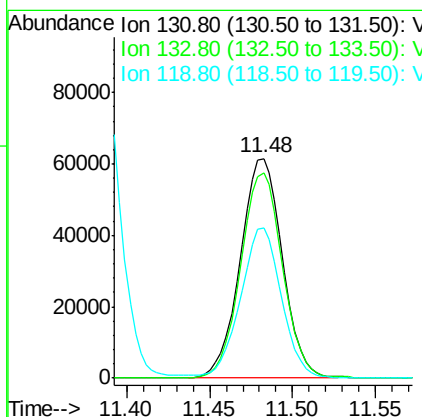
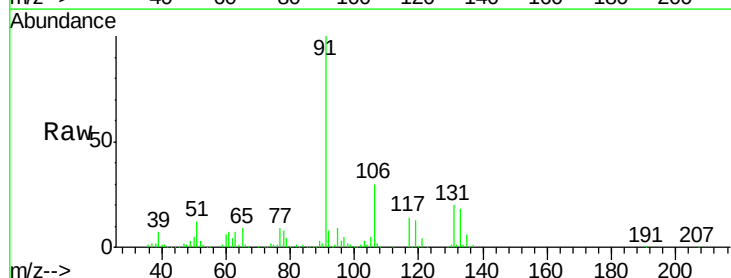
Manual Integrations
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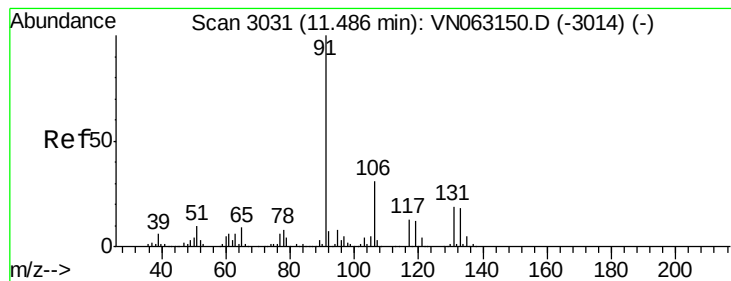
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.306 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion:131 Resp: 108790
Ion Ratio Lower Upper
131 100
133 93.2 47.3 142.0
119 66.5 32.4 97.0





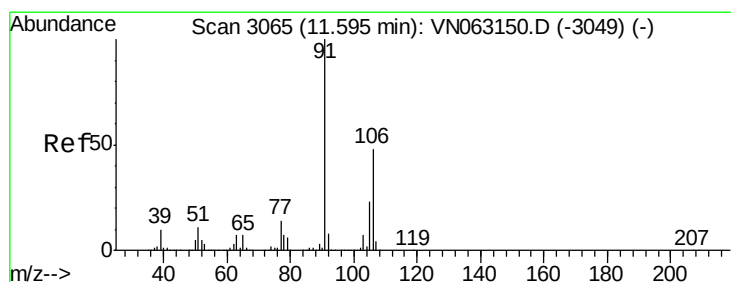
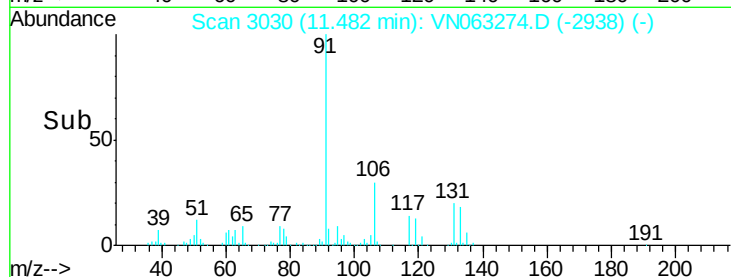
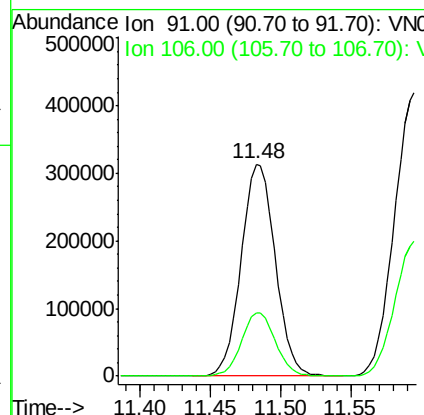
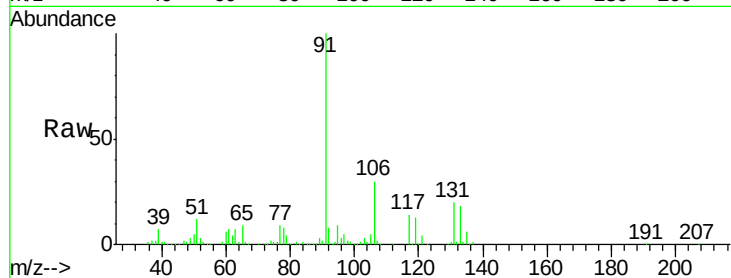
#67
Ethyl Benzene
Concen: 21.254 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion: 91 Resp: 533231
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

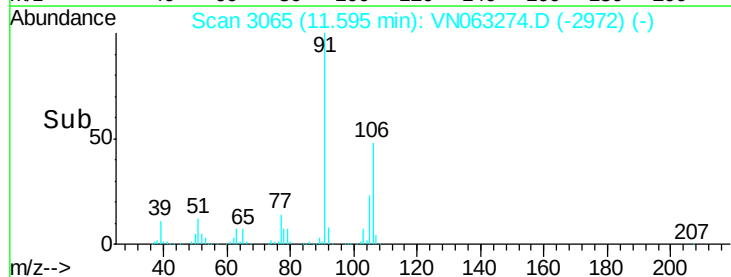
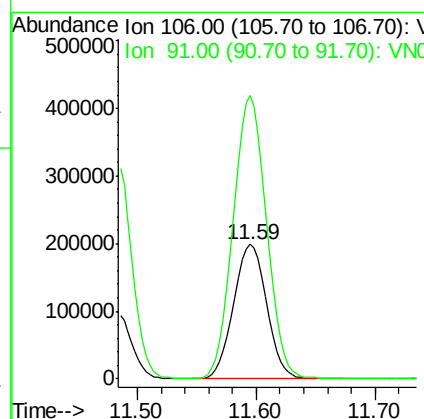
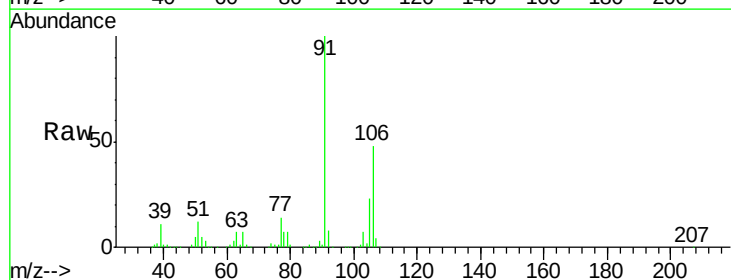
Manual Integrations
APPROVED

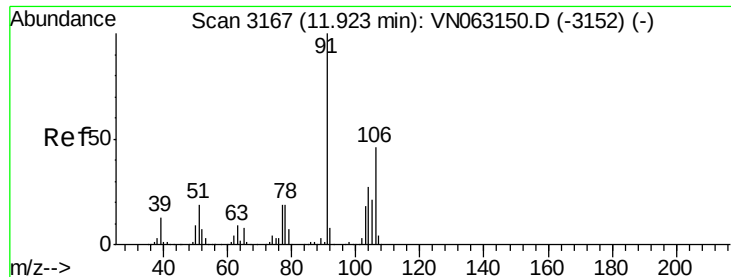
MMDadoda
9/10/2020 4:04:15 PM



#68
m/p-Xylenes
Concen: 41.298 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion: 106 Resp: 383741
Ion Ratio Lower Upper
106 100
91 211.2 166.7 250.1





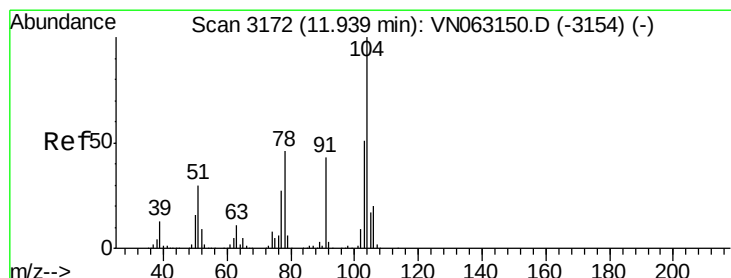
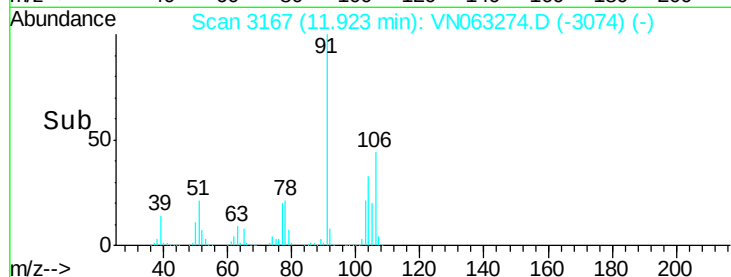
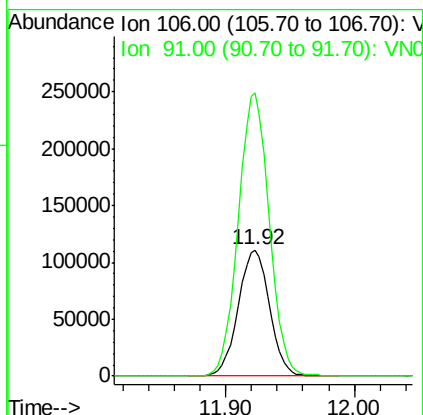
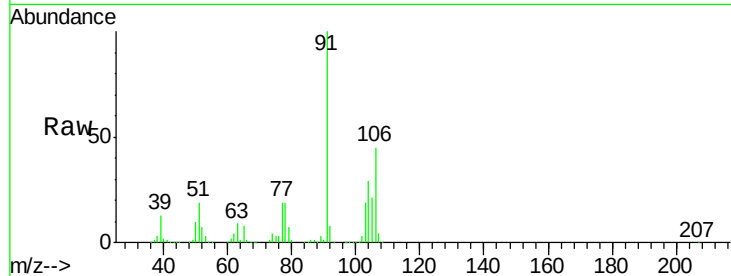
#69
o-Xylene
Concen: 20.878 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		187417		
91	222.4	108.6	325.6		

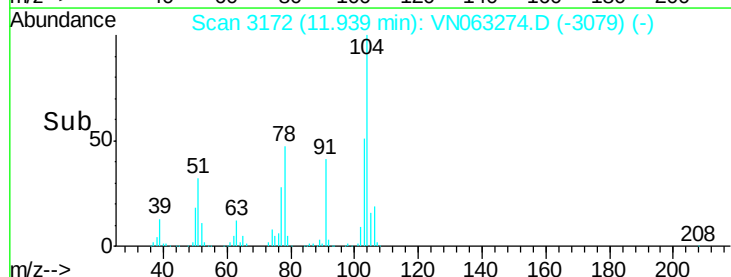
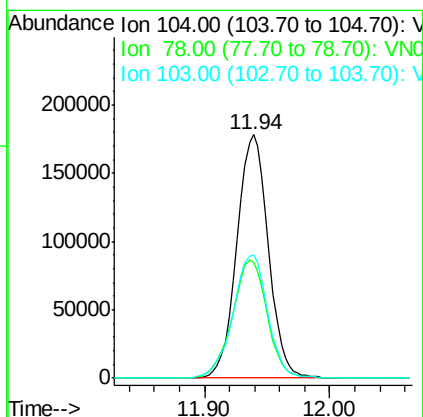
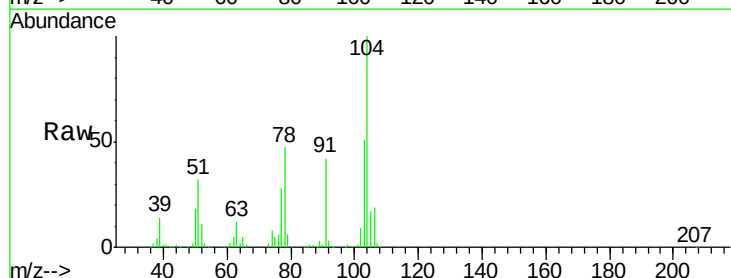
Manual Integrations
APPROVED

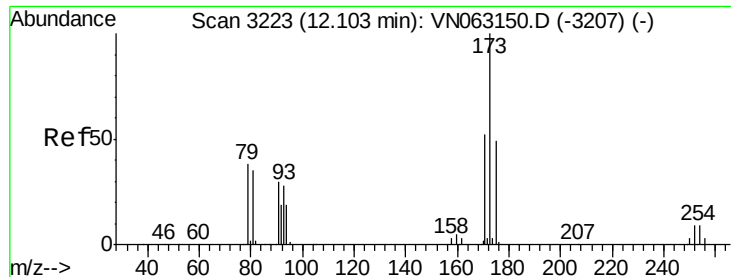
MMDadoda
9/10/2020 4:04:15 PM



#70
Styrene
Concen: 20.210 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		311788		
78	53.6	41.0	61.6		
103	55.9	43.8	65.8		





#71

Bromoform

Concen: 21.119 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

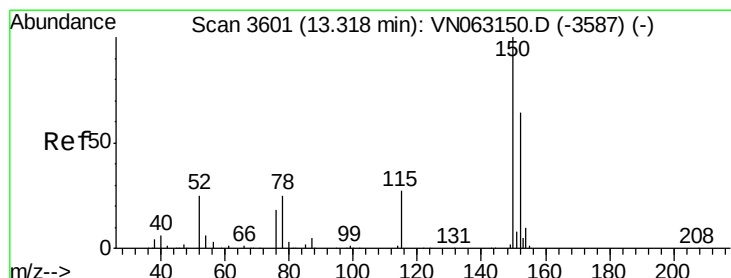
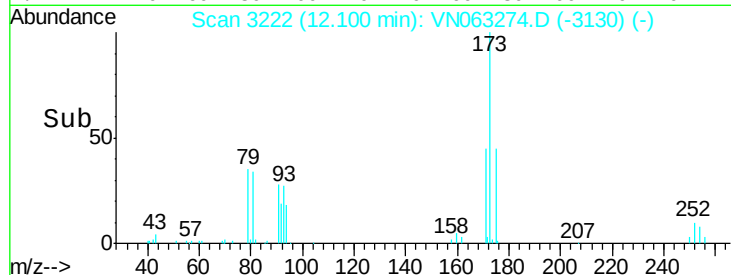
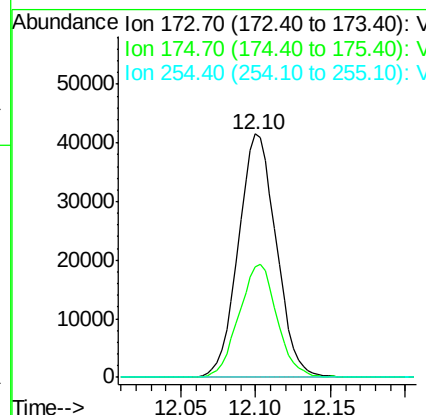
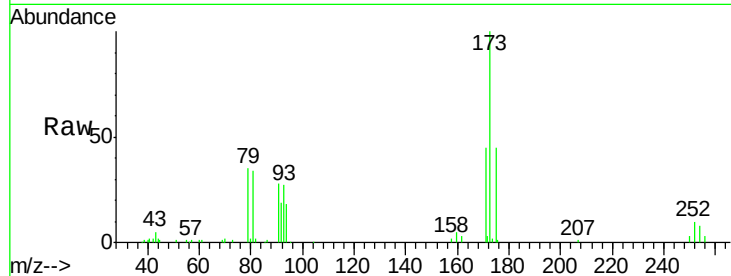
ClientSampleId :

VN0909WBS01

Tot Ion:	173	Resp:	73181
Ion Ratio	Lower	Upper	
173	100		
175	46.5	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

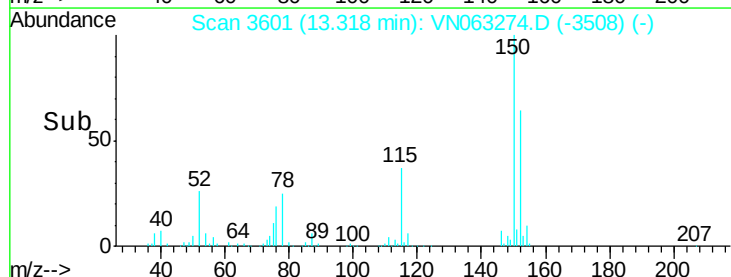
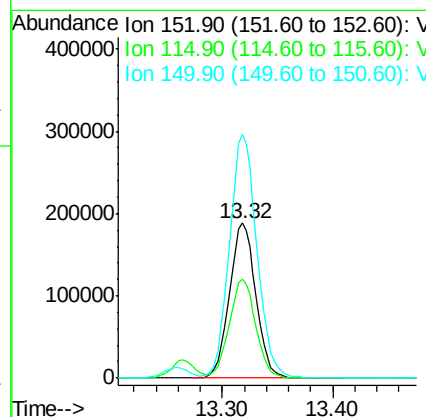
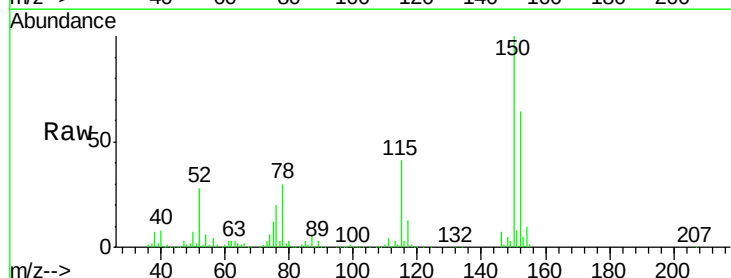
RT: 13.32 min Scan# 3601

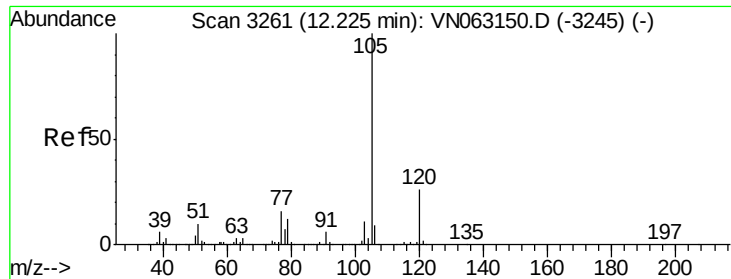
Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	152	Resp:	311840
Ion Ratio	Lower	Upper	
152	100		
115	63.9	32.0	96.2
150	163.6	0.0	353.0





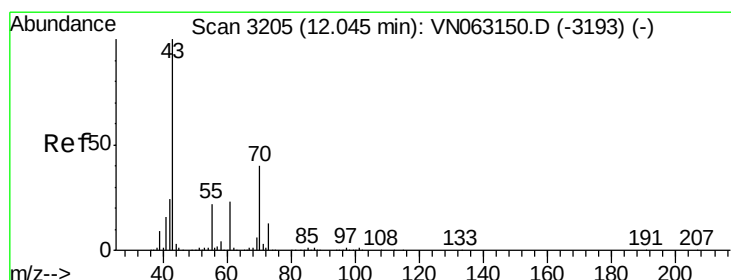
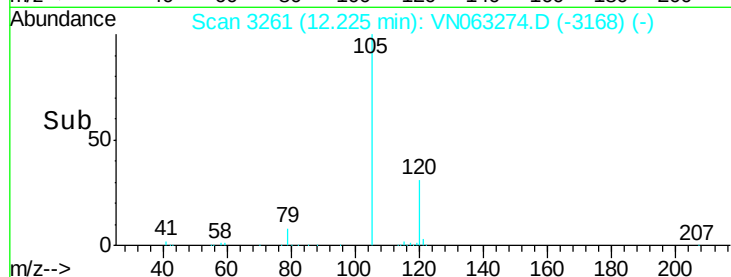
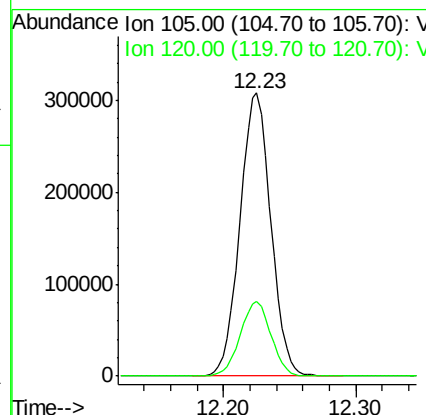
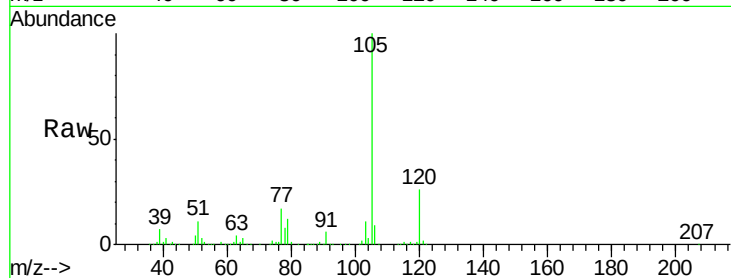
#73
Isopropylbenzene
Concen: 20.817 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	497885		
120	26.3	12.9	38.6	

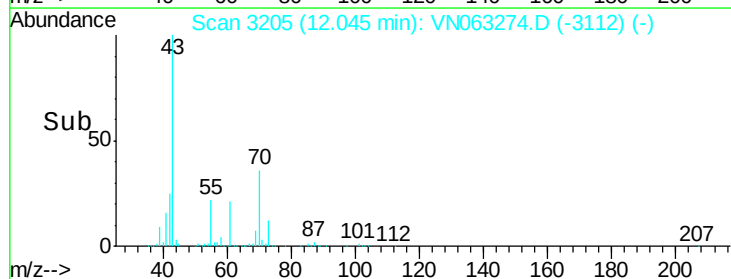
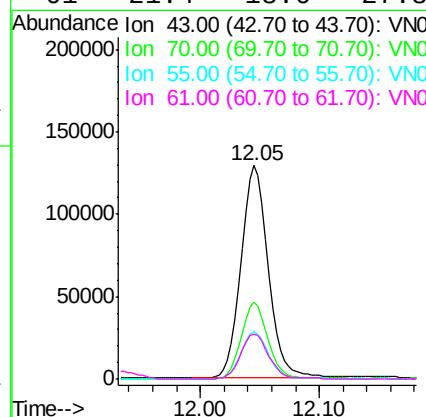
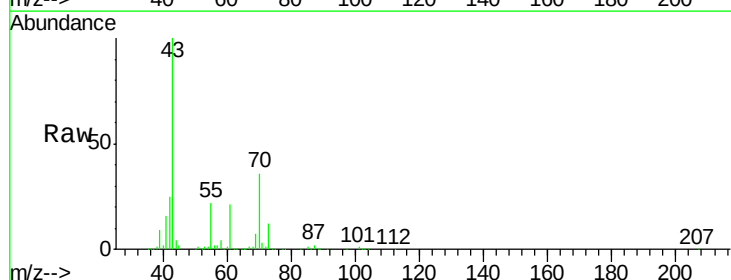
Manual Integrations
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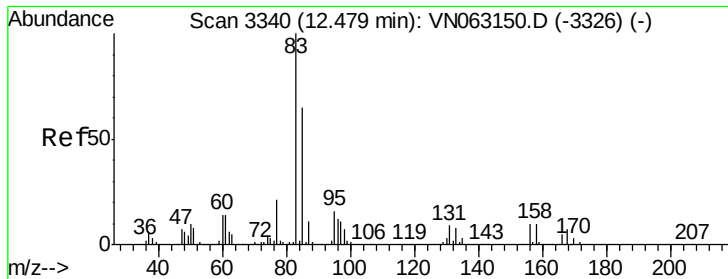
MMDadoda
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#74
N-ethyl acetate
Concen: 20.872 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	206778		
70	35.4	32.1	48.1	
55	22.8	17.4	26.0	
61	21.4	18.6	27.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.422 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tot Ion: 83 Resp: 140824

Ion Ratio Lower Upper

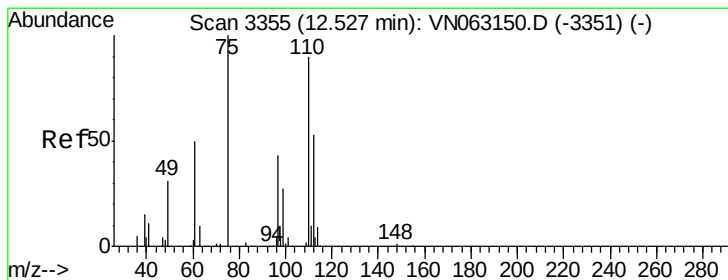
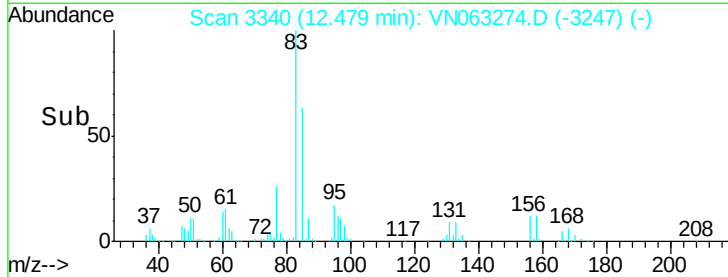
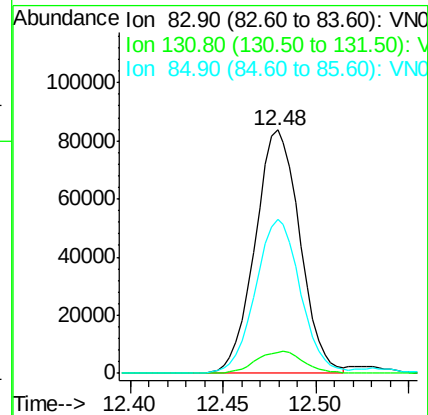
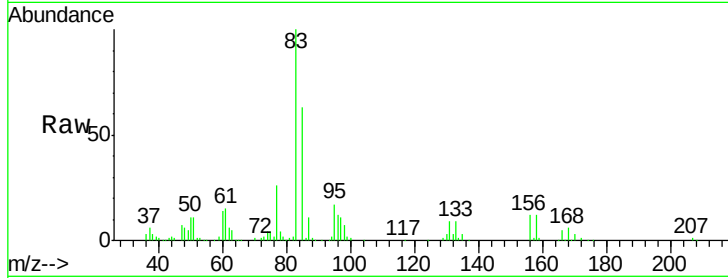
83 100

131 9.7 4.7 14.0

85 63.4 32.7 98.1

Manual Integrations
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9/10/2020 4:04:15 PM



#76

1,2,3-Trichloropropane

Concen: 22.575 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063274.D

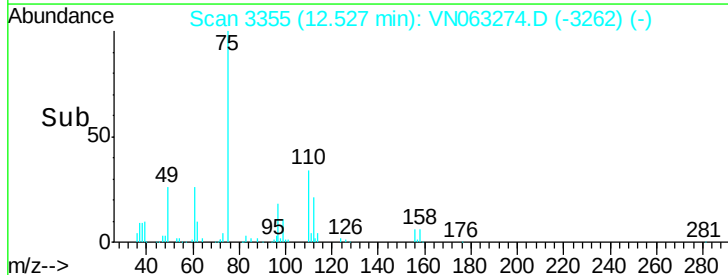
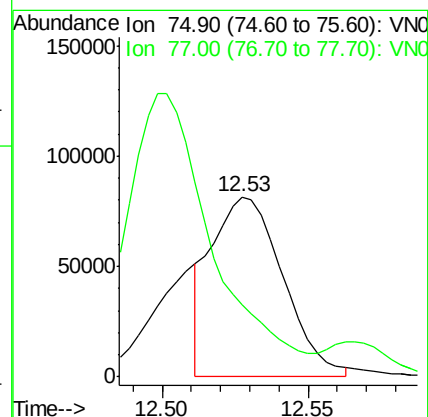
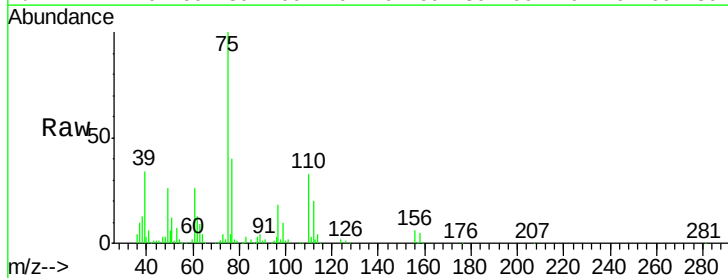
Acq: 9 Sep 2020 11:46

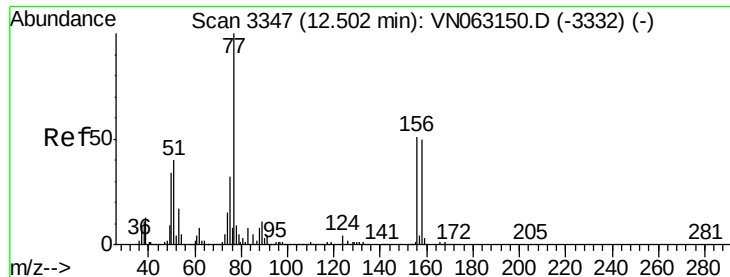
Tgt Ion: 75 Resp: 138314

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





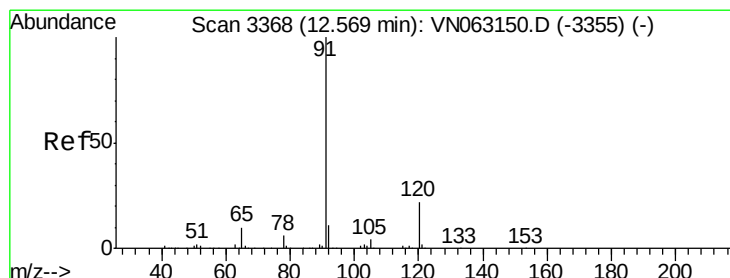
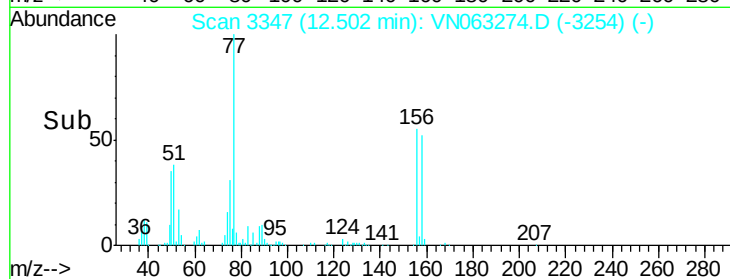
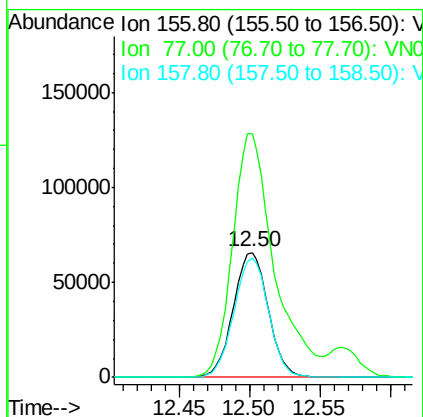
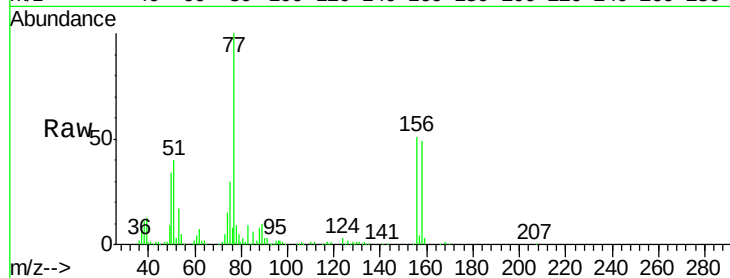
#77
Bromobenzene
Concen: 21.111 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.1	116.1	348.3
158	95.1	48.8	146.4

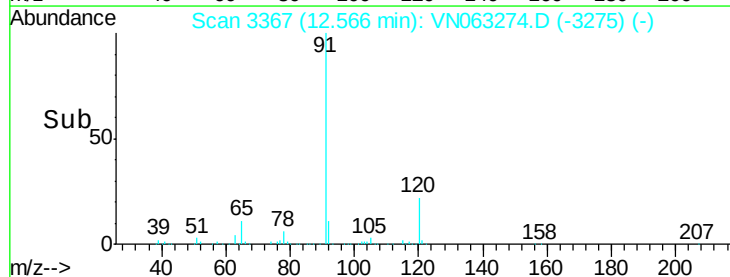
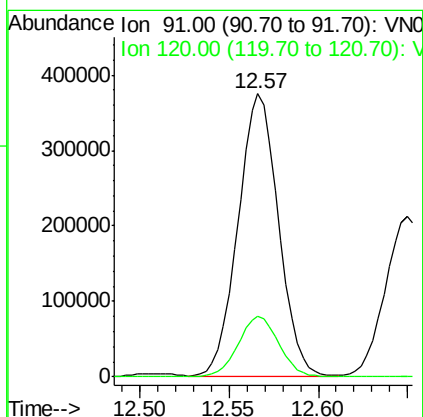
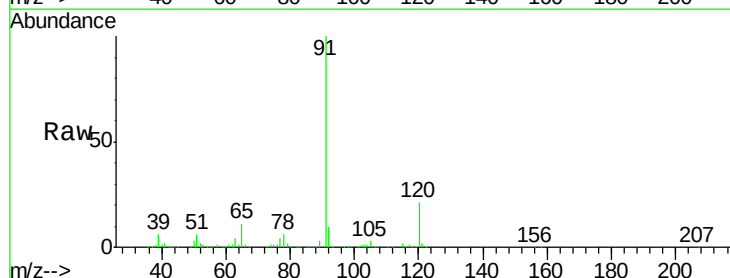
Manual Integrations
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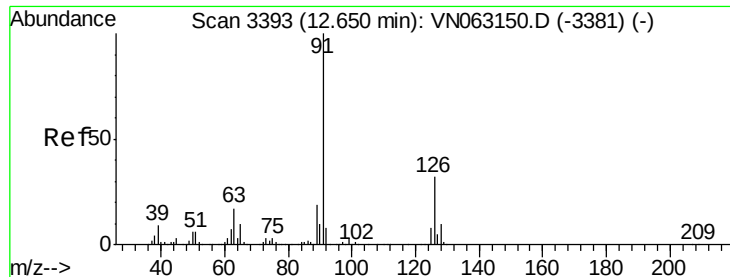
MMDadoda
9/10/2020 4:04:15 PM



#78
n-propylbenzene
Concen: 21.201 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 21.078 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tot Ion: 91 Resp: 349399

Ion Ratio Lower Upper

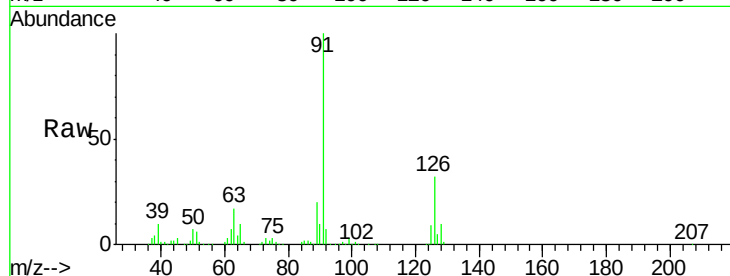
91 100

126 32.5 16.1 48.3

Manual Integrations
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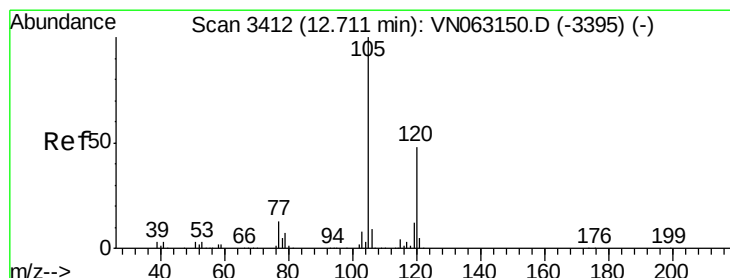
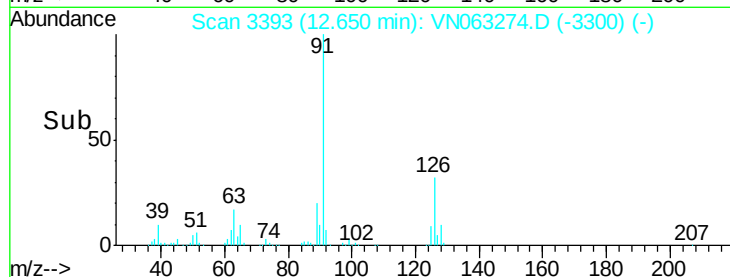
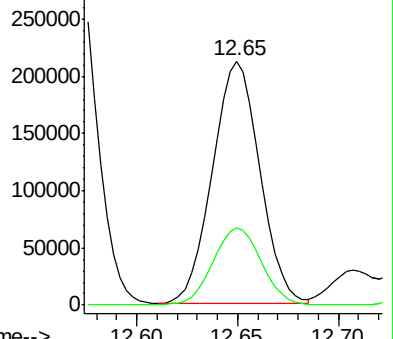
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Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.209 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063274.D

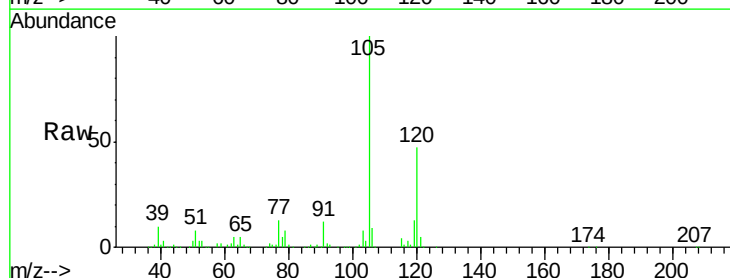
Acq: 9 Sep 2020 11:46

Tgt Ion: 105 Resp: 422237

Ion Ratio Lower Upper

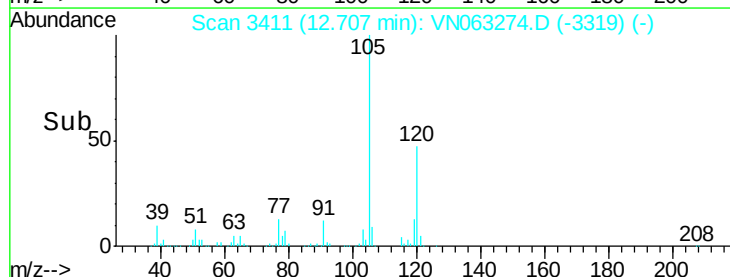
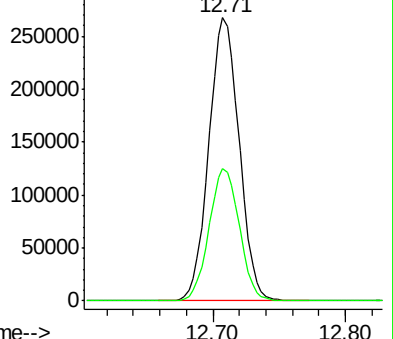
105 100

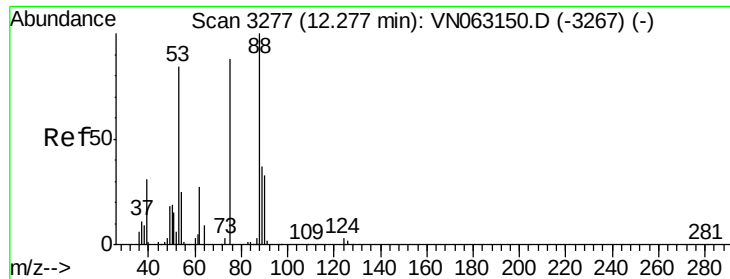
120 47.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.077 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

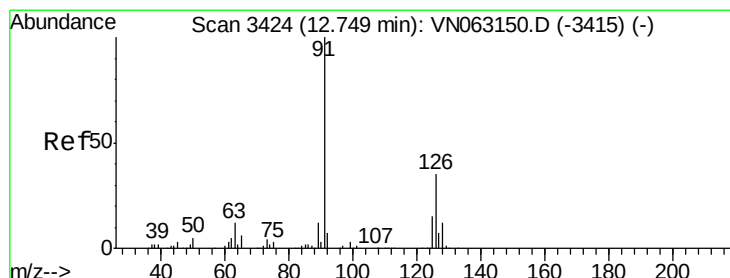
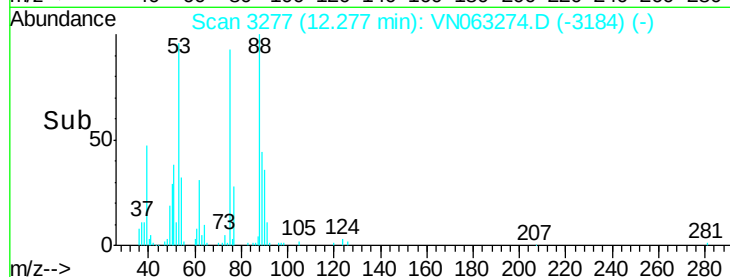
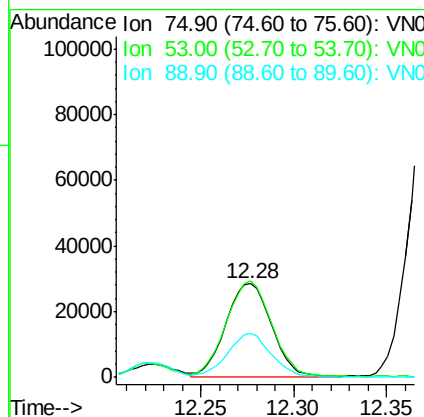
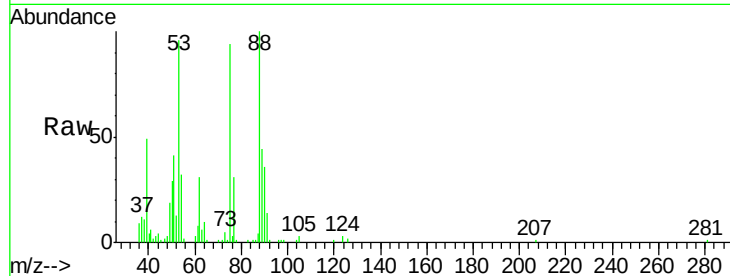
ClientSampleId :

VN0909WBS01

Tot Ion:	75	Resp:	48359
Ion	Ratio	Lower	Upper
75	100		
53	103.9	78.7	118.1
89	46.1	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.847 ug/l

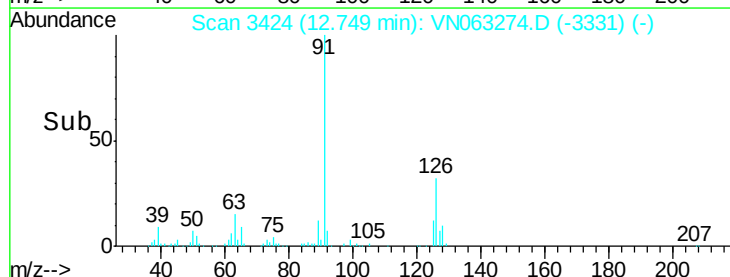
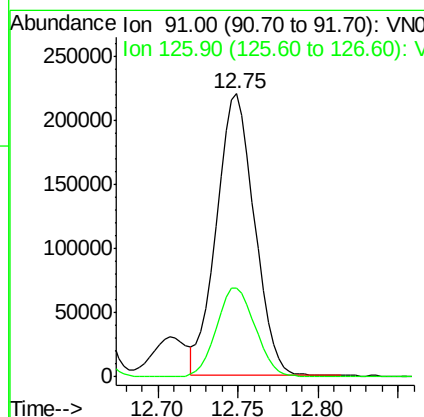
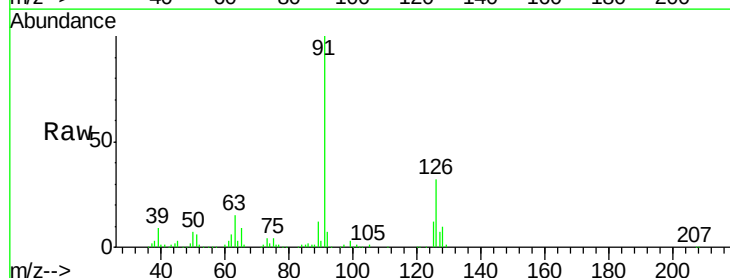
RT: 12.75 min Scan# 3424

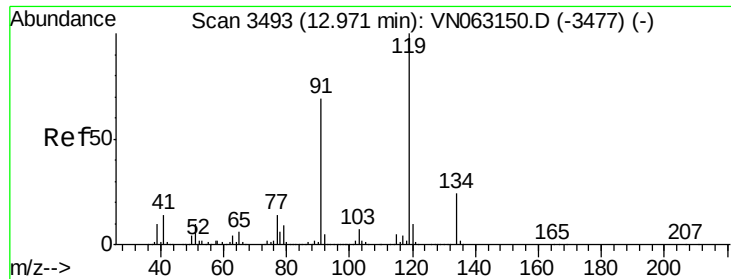
Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	91	Resp:	358405
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





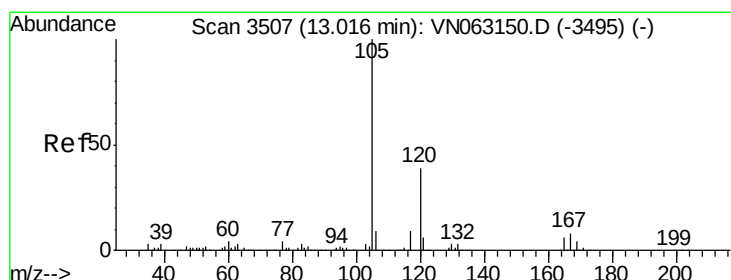
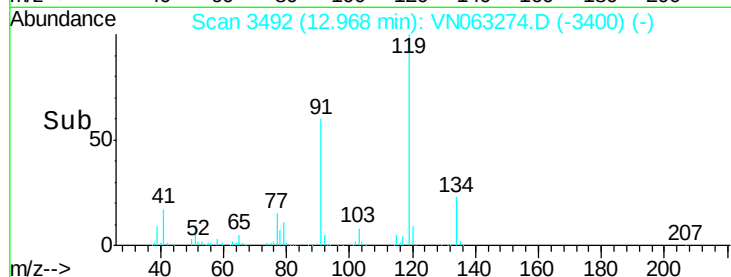
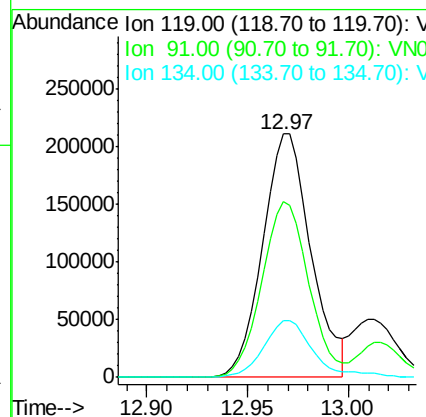
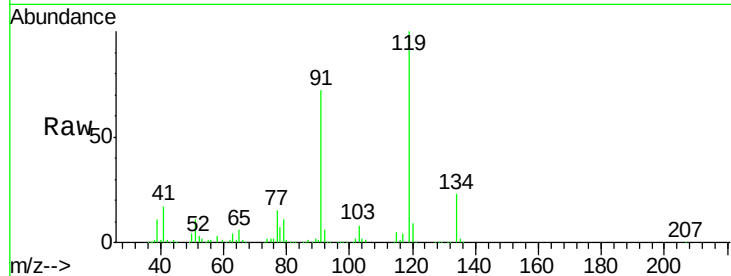
#83
 tert-Butylbenzene
 Concen: 20.638 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352365		
91	69.9	33.7	101.0	
134	24.1	12.0	36.0	

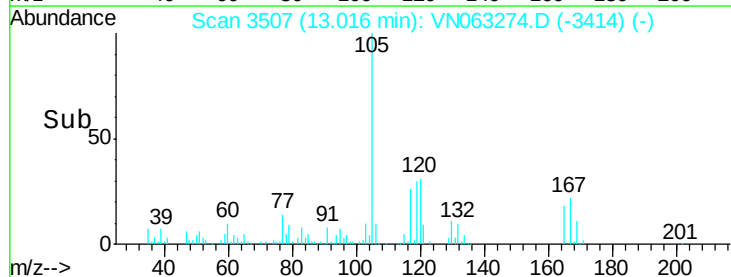
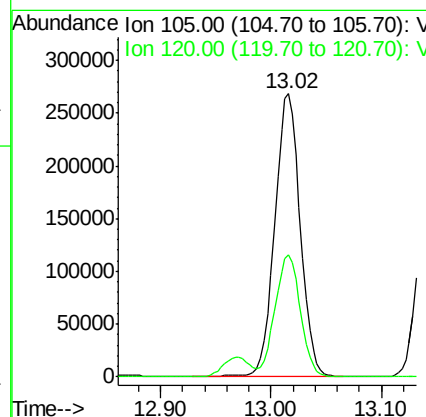
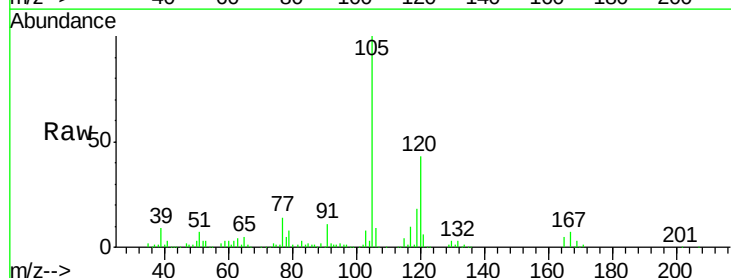
Manual Integrations
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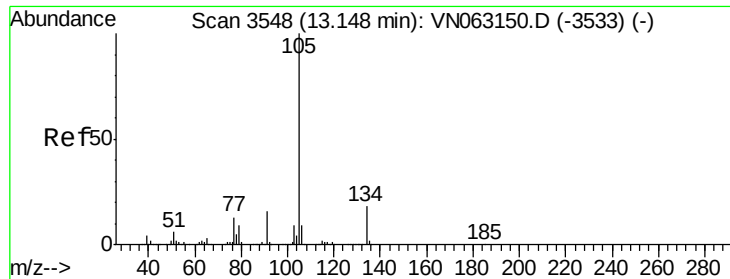
MMDadoda
 9/10/2020 4:04:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.517 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	431775		
120	43.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.610 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tot Ion:105 Resp: 458620

Ion Ratio Lower Upper

105 100

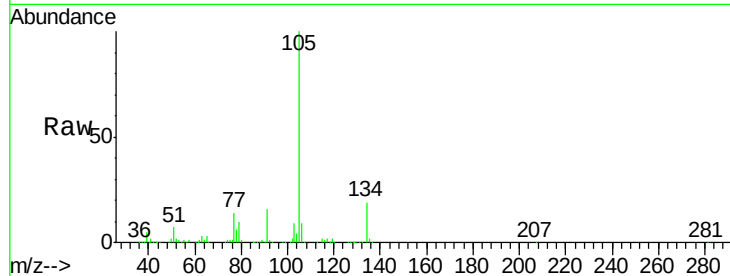
134 18.7 9.4 28.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

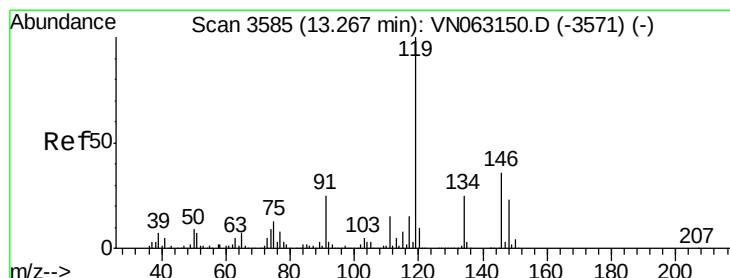
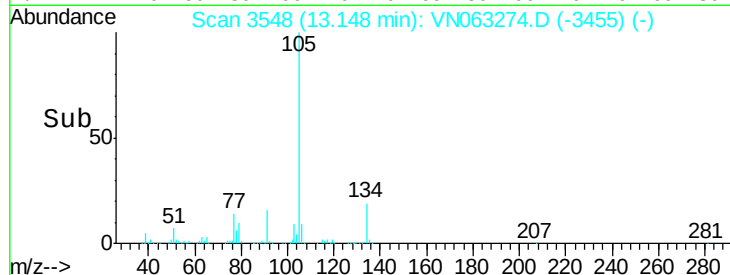
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 21.081 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

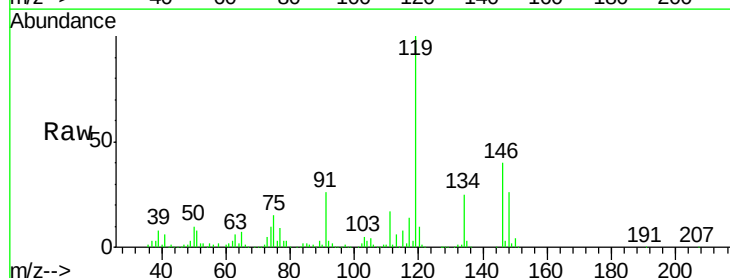
Tgt Ion:119 Resp: 416474

Ion Ratio Lower Upper

119 100

134 25.2 12.4 37.4

91 25.7 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

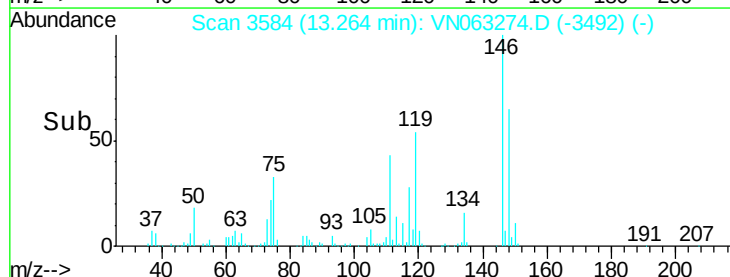
300000

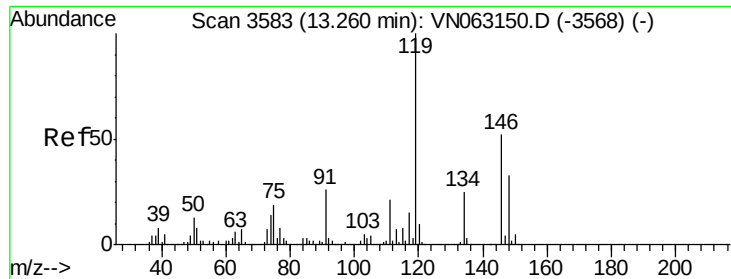
200000

100000

0

Time--> 13.20 13.25 13.30





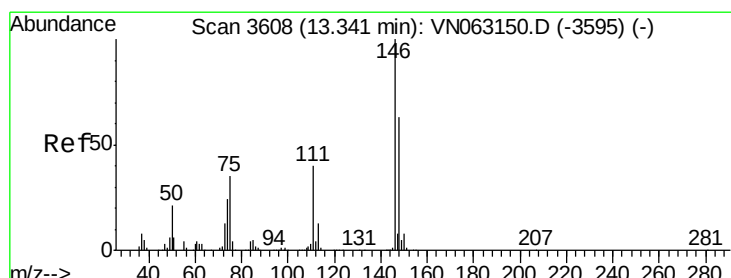
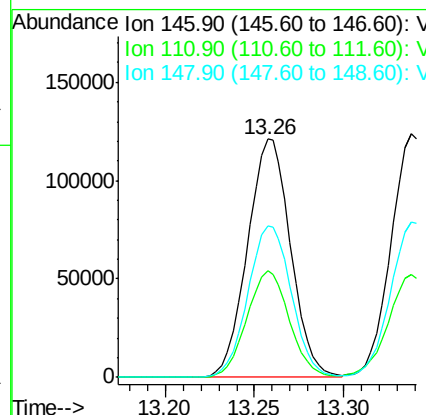
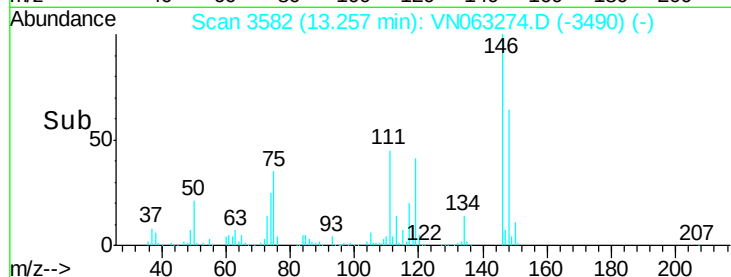
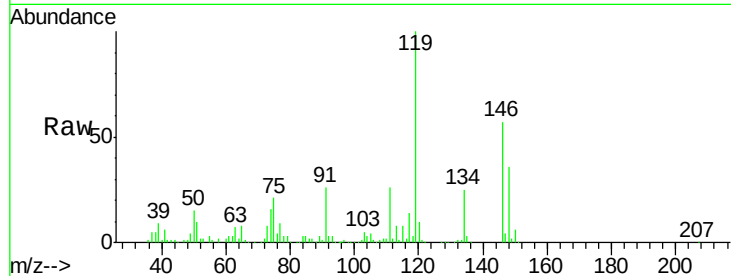
#87
 1,3-Dichlorobenzene
 Concen: 20.583 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204532		
111	44.0	21.3	63.7	
148	64.4	31.9	95.9	

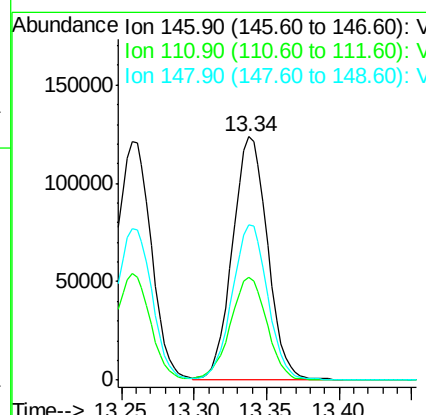
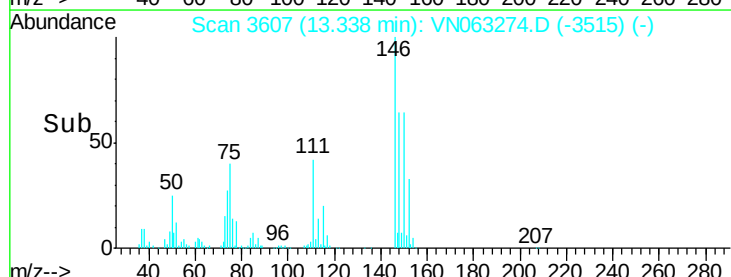
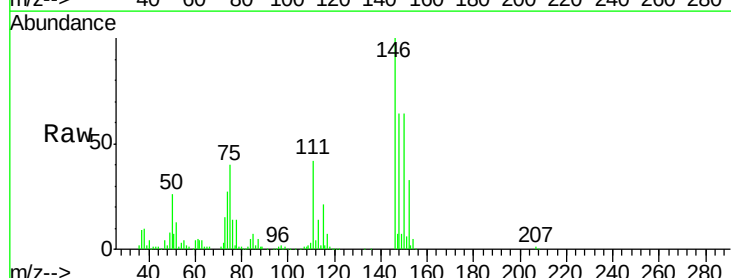
Manual Integrations
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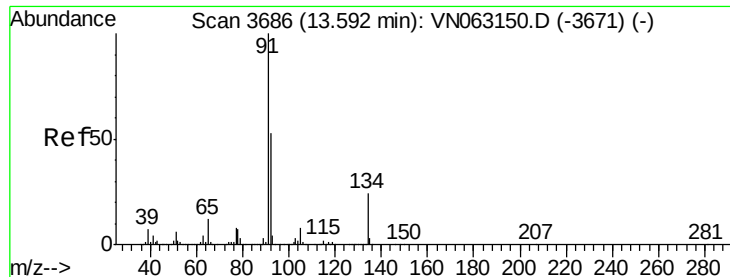
MMDadoda
 9/10/2020 4:04:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.045 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206246		
111	44.0	20.5	61.5	
148	64.5	31.9	95.7	





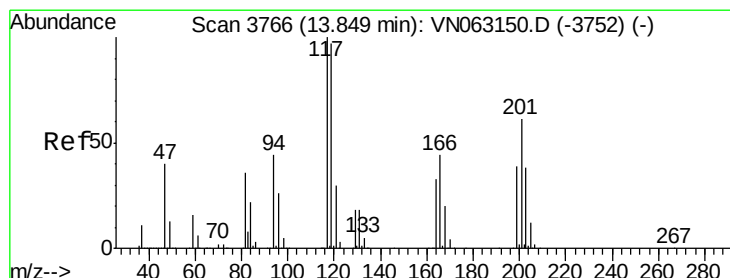
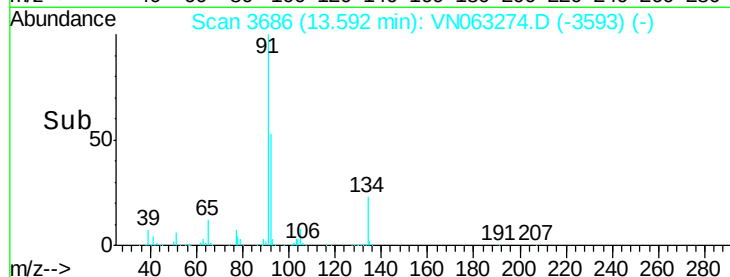
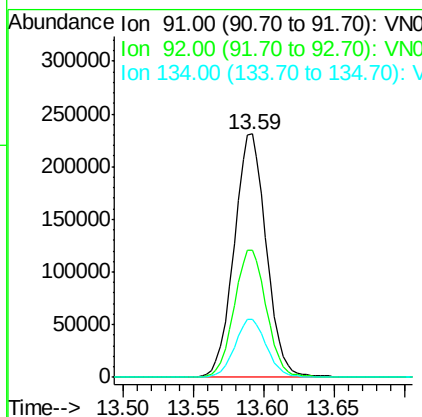
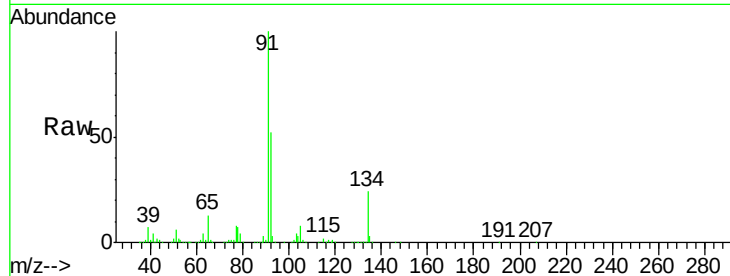
#89
n-Butylbenzene
Concen: 20.220 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		369031		
92	52.6	26.3	78.8		
134	23.6	12.0	36.0		

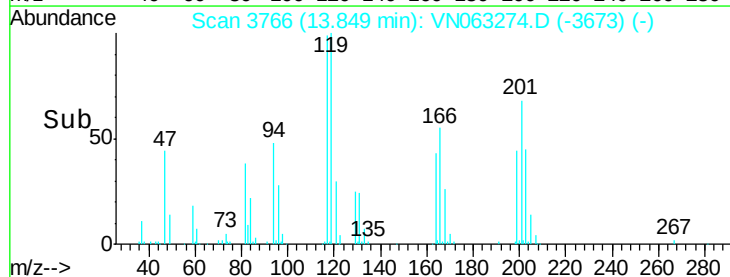
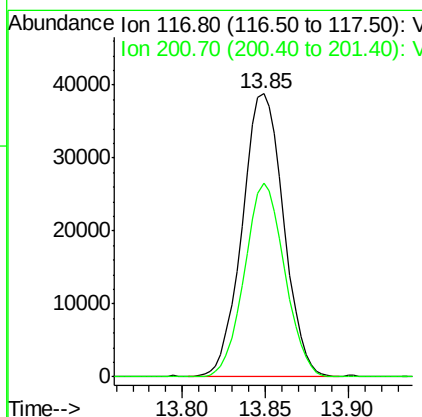
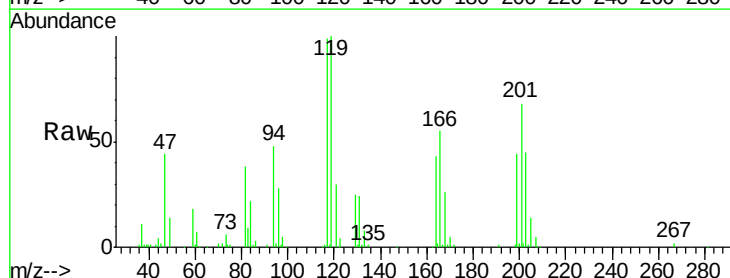
Manual Integrations
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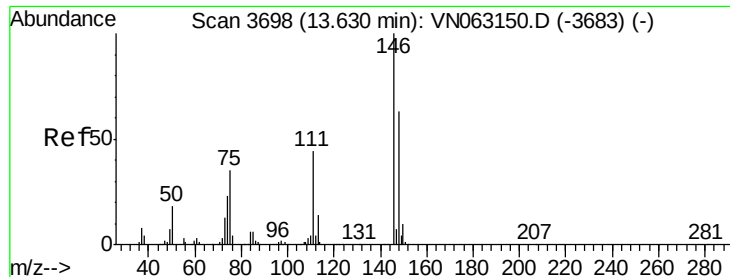
MMDadoda
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#90
Hexachloroethane
Concen: 18.441 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063274.D
Acq: 9 Sep 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		67440		
201	66.1	30.6	92.0		





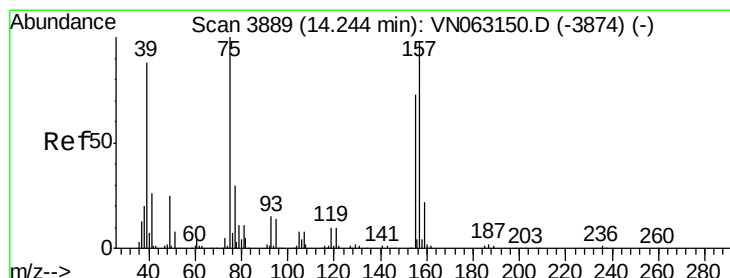
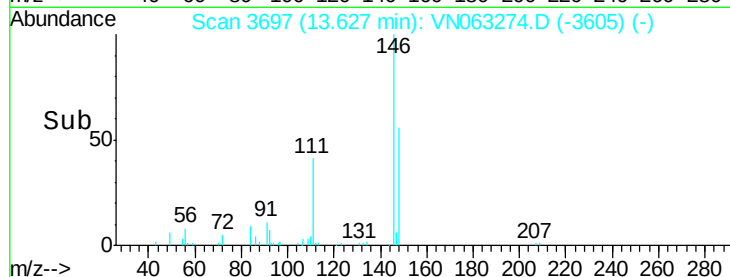
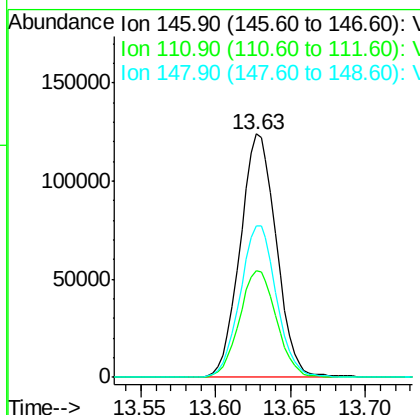
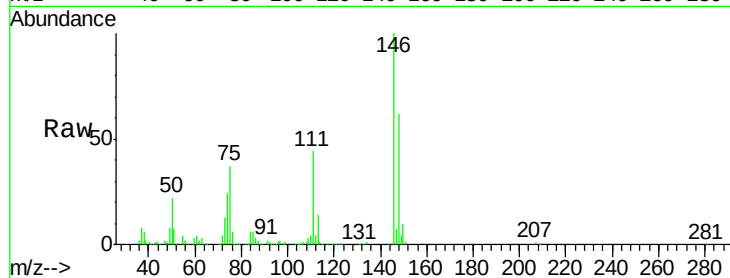
#91
 1,2-Dichlorobenzene
 Concen: 21.639 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208670		
111	45.0	22.0	66.0	
148	62.8	31.6	95.0	

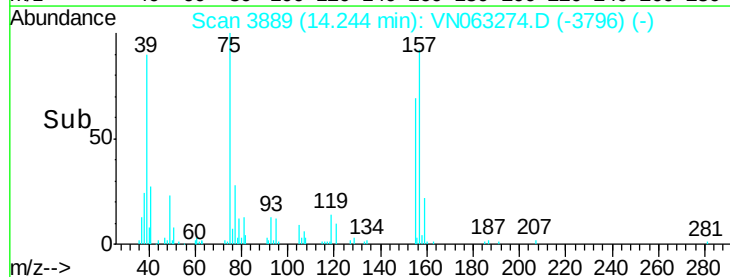
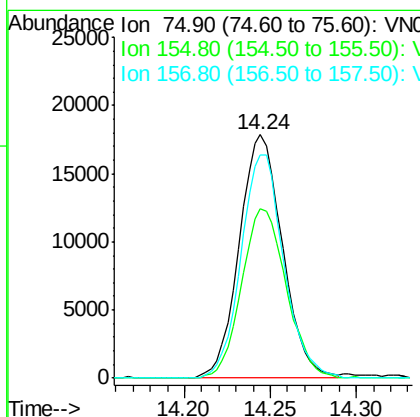
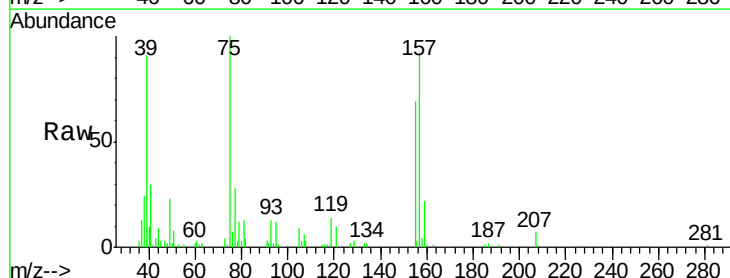
Manual Integrations
 APPROVED

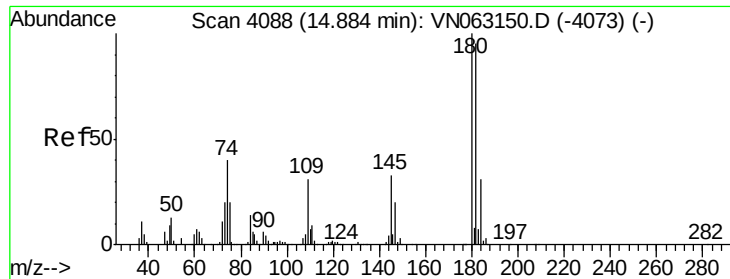
MMDadoda
 9/10/2020 4:04:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.592 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31218		
155	71.6	36.1	108.5	
157	90.7	48.4	145.0	





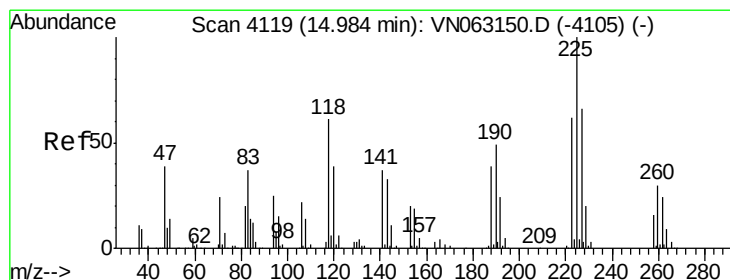
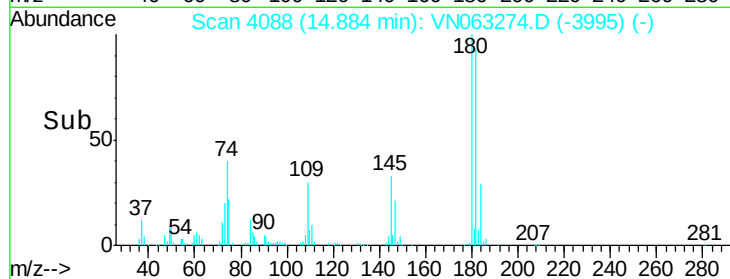
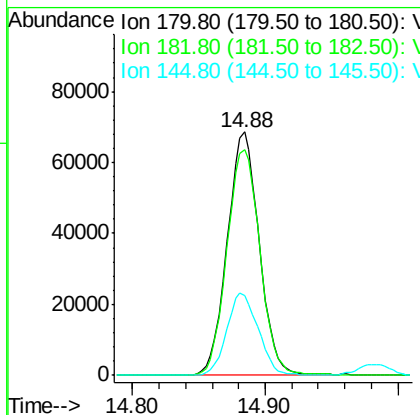
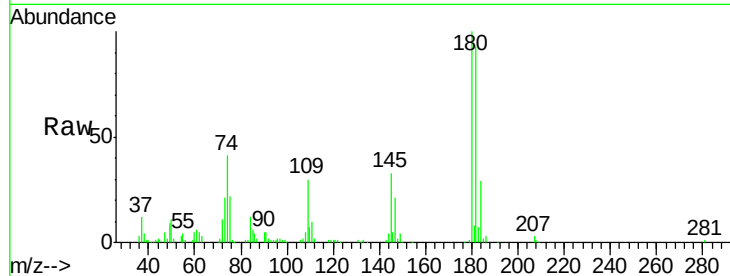
#93
 1,2,4-Trichlorobenzene
 Concen: 21.328 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114903		
182	95.8	47.5	142.5	
145	33.2	16.6	49.8	

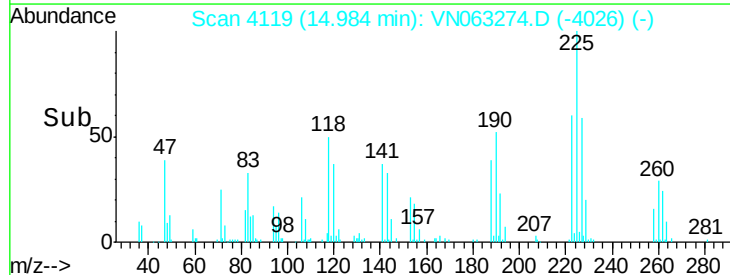
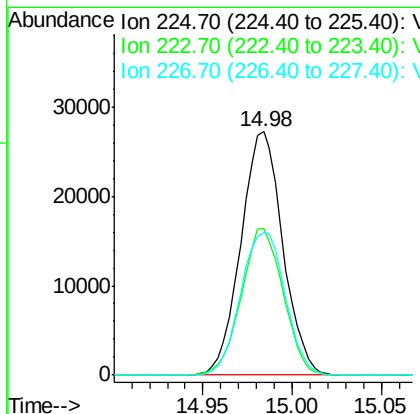
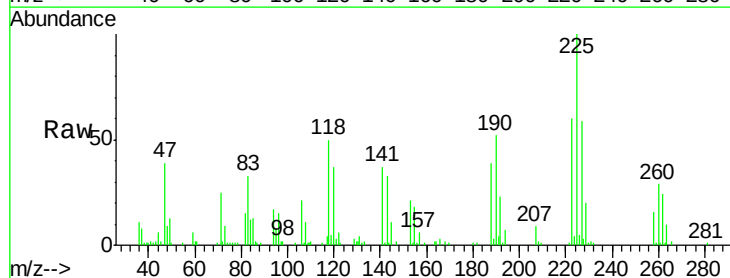
Manual Integrations
 APPROVED

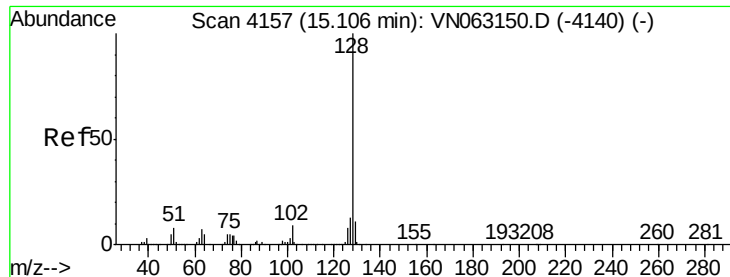
MMDadoda
 9/10/2020 4:04:15 PM



#94
 Hexachlorobutadiene
 Concen: 22.136 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063274.D
 Acq: 9 Sep 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44551		
223	60.4	30.9	92.7	
227	62.3	32.9	98.7	





#95

Naphthalene

Concen: 19.446 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Instrument :

MSVOA_N

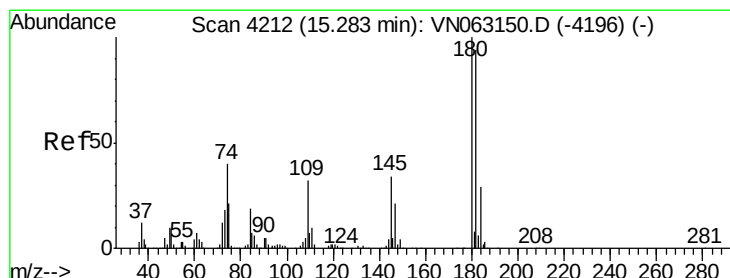
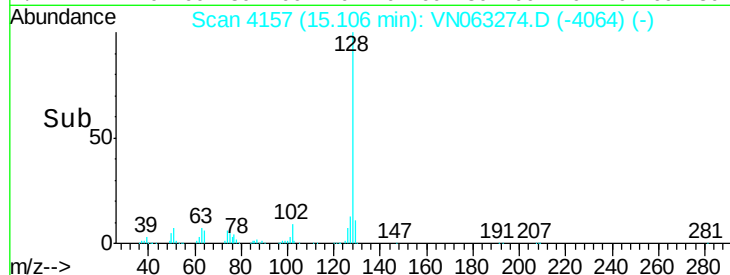
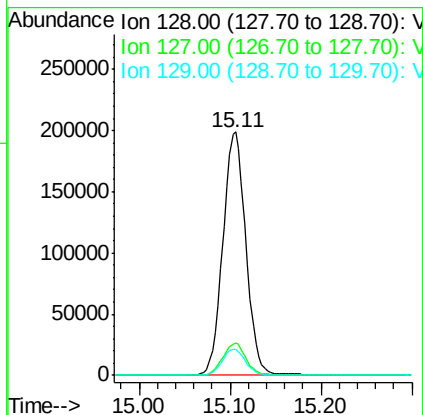
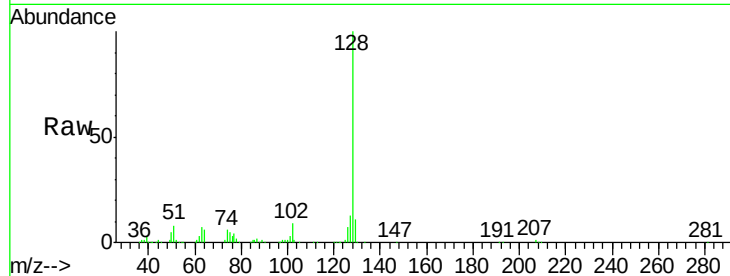
ClientSampleId :

VN0909WBS01

Tot Ion:	128	Resp:	349520
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/10/2020 4:04:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.355 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063274.D

Acq: 9 Sep 2020 11:46

Tgt Ion:	180	Resp:	112088
Ion Ratio		Lower	Upper
180	100		
182	93.8	47.5	142.5
145	35.3	17.3	52.0

