

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063912.D
 Acq On : 6 Oct 2020 23:53
 Operator : JC/MD
 Sample : VN1006WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS04

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:00 PM

Quant Time: Oct 07 05:09:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	262056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191740	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	222924	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	7.55	113	154538	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.06	98	562801	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.38	95	199220	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	48017	17.365	ug/l	99
3) Chloromethane	2.04	50	56881	17.532	ug/l	100
4) Vinyl Chloride	2.16	62	58275	17.893	ug/l	95
5) Bromomethane	2.53	94	36134	17.639	ug/l	100
6) Chloroethane	2.67	64	38894	19.986	ug/l	98
7) Trichlorofluoromethane	2.98	101	95411	18.472	ug/l	96
8) Diethyl Ether	3.37	74	32670	18.702	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49793	18.036	ug/l	97
10) Methyl Iodide	3.91	142	48862	15.243	ug/l	98
11) Tert butyl alcohol	4.73	59	53916	112.801	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	48099	18.227	ug/l	99
13) Acrolein	3.57	56	39410	134.343	ug/l	98
14) Allyl chloride	4.28	41	96087	19.600	ug/l	93
15) Acrylonitrile	4.93	53	142772	104.352	ug/l	99
16) Acetone	3.78	43	142055	106.591	ug/l	98
17) Carbon Disulfide	4.01	76	130558	18.749	ug/l	99
18) Methyl Acetate	4.28	43	74667	21.579	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	186007	19.402	ug/l	100
20) Methylene Chloride	4.51	84	59944	19.697	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52609	17.799	ug/l	89
22) Diisopropyl ether	5.90	45	206811	20.504	ug/l	96
23) Vinyl Acetate	5.85	43	846721	101.340	ug/l	100
24) 1,1-Dichloroethane	5.80	63	111151	19.273	ug/l	99
25) 2-Butanone	6.79	43	206027	109.040	ug/l	99
26) 2,2-Dichloropropane	6.78	77	83924	15.890	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	63942	18.810	ug/l	99
28) Bromochloromethane	7.15	49	57278	20.094	ug/l	97
29) Tetrahydrofuran	7.17	42	137936	108.847	ug/l	97
30) Chloroform	7.33	83	119291	19.838	ug/l	94
31) Cyclohexane	7.62	56	89669	17.841	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	107382	19.798	ug/l	98
36) 1,1-Dichloropropene	7.76	75	81027	17.887	ug/l	98
37) Ethyl Acetate	6.88	43	84171	18.702	ug/l	100
38) Carbon Tetrachloride	7.74	117	91922	18.096	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69748	15.440	ug/l	100
40) Benzene	8.00	78	235121	18.172	ug/l	100
41) Methacrylonitrile	7.14	41	42745m	21.370	ug/l	
42) 1,2-Dichloroethane	8.09	62	106046	19.201	ug/l	98
43) Isopropyl Acetate	8.13	43	143577	19.341	ug/l	99
44) Trichloroethene	8.80	130	60012	17.702	ug/l	98
45) 1,2-Dichloropropane	9.08	63	64150	18.359	ug/l	99
46) Dibromomethane	9.17	93	43403	18.006	ug/l	98
47) Bromodichloromethane	9.37	83	91640	18.446	ug/l	99
48) Methyl methacrylate	9.17	41	73397	20.012	ug/l	94
49) 1,4-Dioxane	9.16	88	21645	415.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	448612	102.977	ug/l	99
52) Toluene	10.13	92	146966	18.364	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	94814	17.804	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	99680	17.898	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62446	19.457	ug/l	97
56) Ethyl methacrylate	10.40	69	85111	18.709	ug/l	97
57) 1,3-Dichloropropane	10.68	76	103422	19.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	233319	95.880	ug/l	100
59) 2-Hexanone	10.72	43	325923	100.711	ug/l	97
60) Dibromochloromethane	10.87	129	69067	18.479	ug/l	98
61) 1,2-Dibromoethane	10.98	107	63481	19.336	ug/l	100
64) Tetrachloroethene	10.60	164	55361	17.248	ug/l	99
65) Chlorobenzene	11.41	112	152778	17.952	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	61374	18.811	ug/l	97
67) Ethyl Benzene	11.49	91	278395	17.977	ug/l	99
68) m/p-Xylenes	11.59	106	202635	35.109	ug/l	97
69) o-Xylene	11.92	106	100302	18.594	ug/l	97
70) Styrene	11.94	104	167201	18.259	ug/l	99
71) Bromoform	12.10	173	46640	18.691	ug/l #	99
73) Isopropylbenzene	12.23	105	261381	18.690	ug/l	100
74) N-amyl acetate	12.05	43	118209	19.596	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	85620	20.021	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	85401m	20.205	ug/l	
77) Bromobenzene	12.50	156	65925	19.211	ug/l	99
78) n-propylbenzene	12.57	91	294276	18.080	ug/l	100
79) 2-Chlorotoluene	12.65	91	188113	18.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	219279	18.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	24218	16.503	ug/l #	86
82) 4-Chlorotoluene	12.75	91	193068	18.579	ug/l	98
83) tert-Butylbenzene	12.97	119	172191	17.942	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	216302	18.465	ug/l	98
85) sec-Butylbenzene	13.15	105	226729	17.986	ug/l	99
86) p-Isopropyltoluene	13.26	119	198856	17.832	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	115002	18.524	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	112014	17.328	ug/l	96
89) n-Butylbenzene	13.59	91	163301	15.866	ug/l	99
90) Hexachloroethane	13.85	117	40859	18.908	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	112801	18.344	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19065	19.009	ug/l	96

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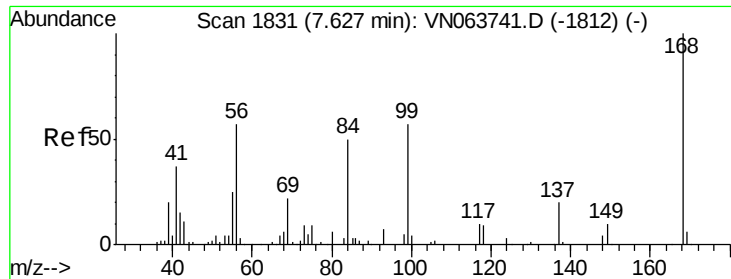
Manual Integrations
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QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51143	16.500	ug/l	94
94) Hexachlorobutadiene	14.98	225	30076	18.082	ug/l	99
95) Naphthalene	15.11	128	154644	16.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	51286	16.886	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion:168 Resp: 262056

Ion Ratio Lower Upper

168 100

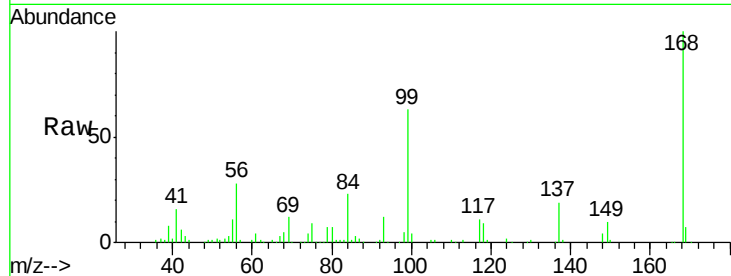
99 62.7 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

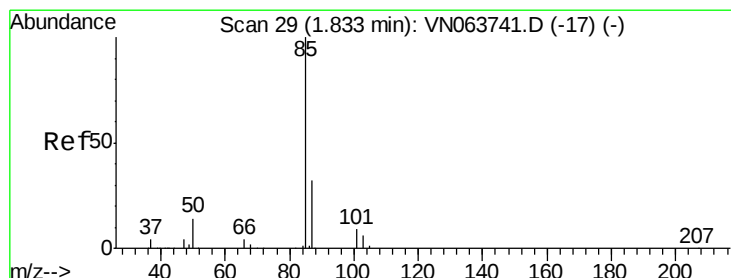
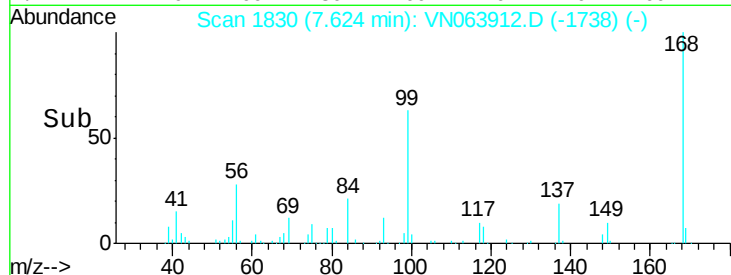
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.365 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063912.D

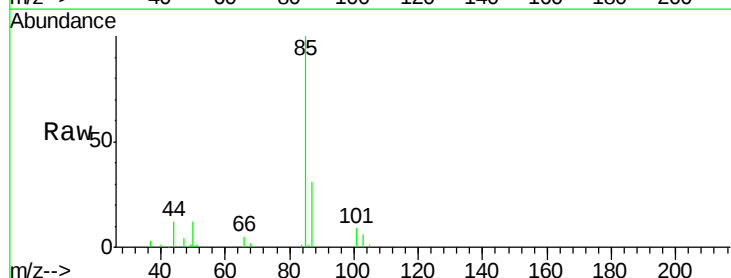
Acq: 6 Oct 2020 23:53

Tgt Ion: 85 Resp: 48017

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

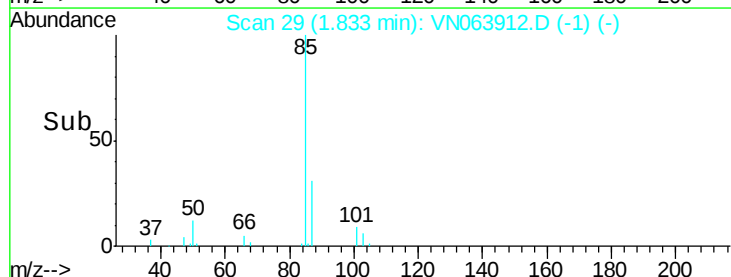
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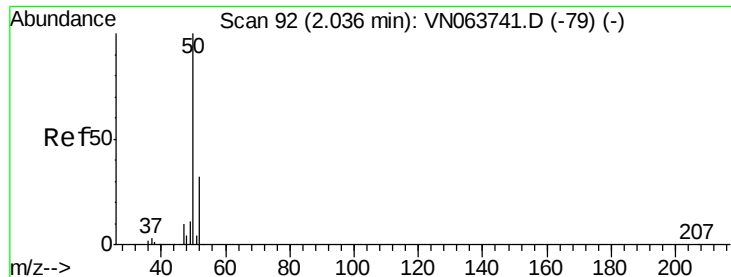
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.532 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 50 Resp: 56881

Ion Ratio Lower Upper

50 100

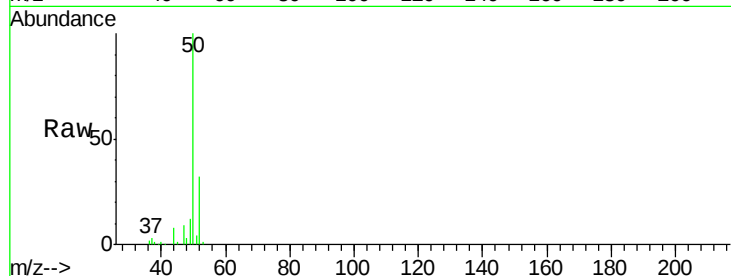
52 32.1 25.8 38.8

Manual Integrations

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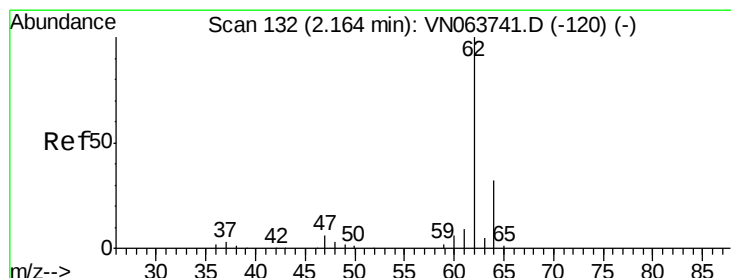
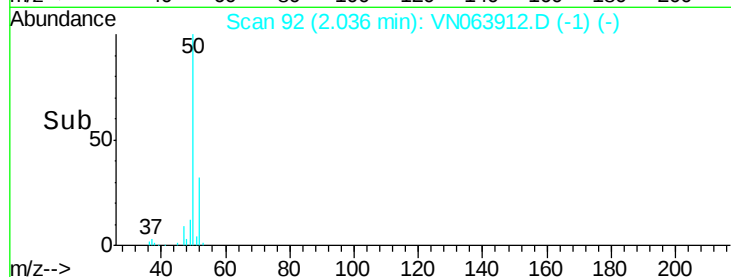
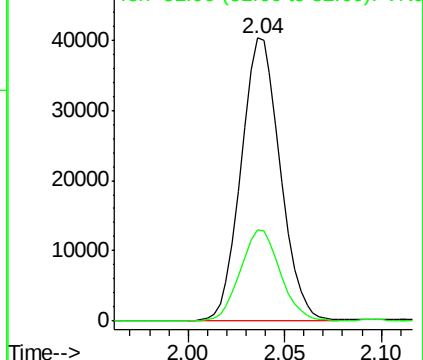
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.893 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063912.D

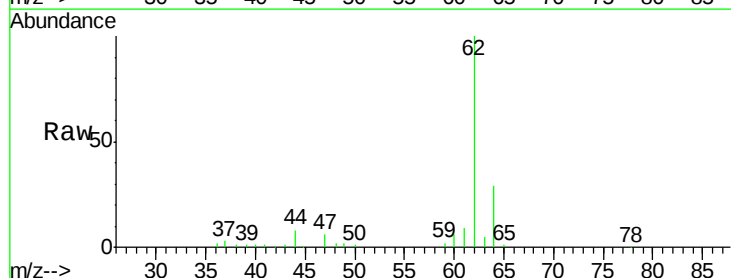
Acq: 6 Oct 2020 23:53

Tgt Ion: 62 Resp: 58275

Ion Ratio Lower Upper

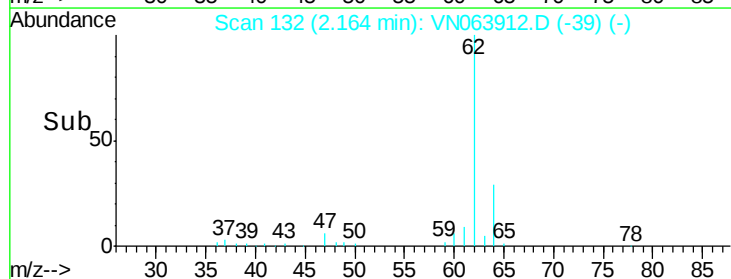
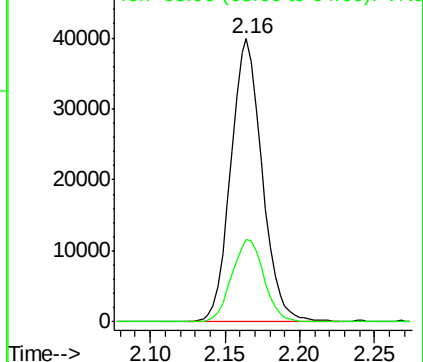
62 100

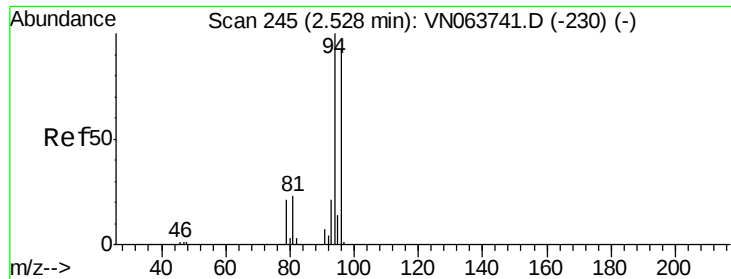
64 29.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.639 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 94 Resp: 36134

Ion Ratio Lower Upper

94 100

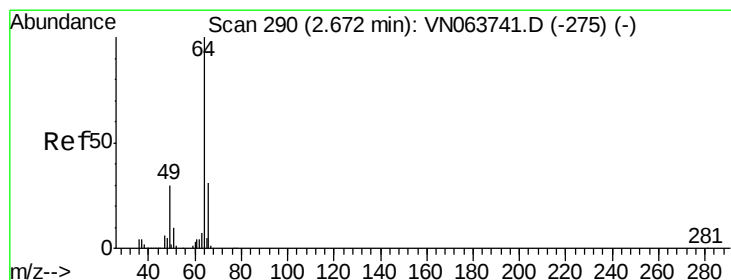
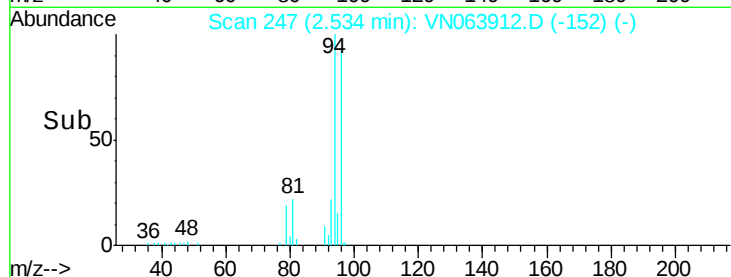
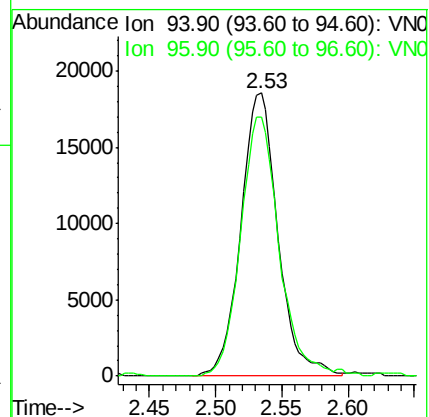
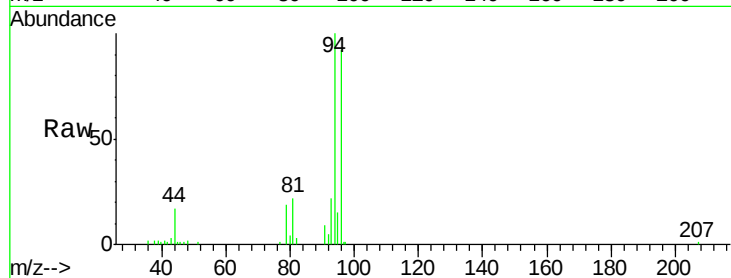
96 91.7 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 19.986 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063912.D

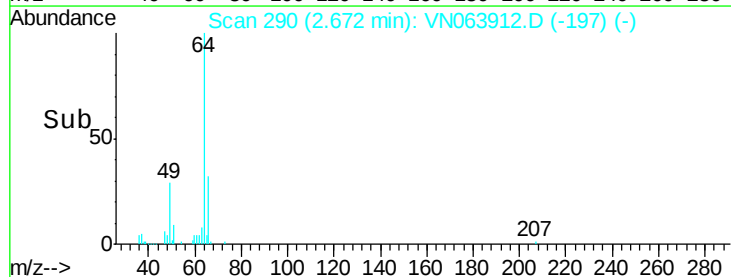
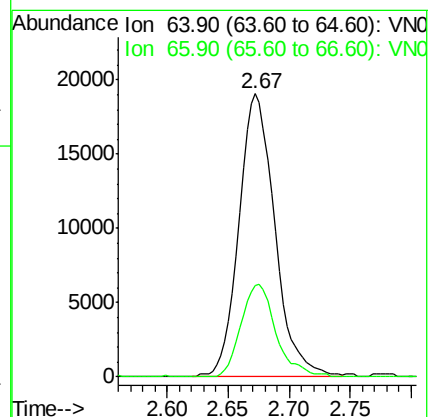
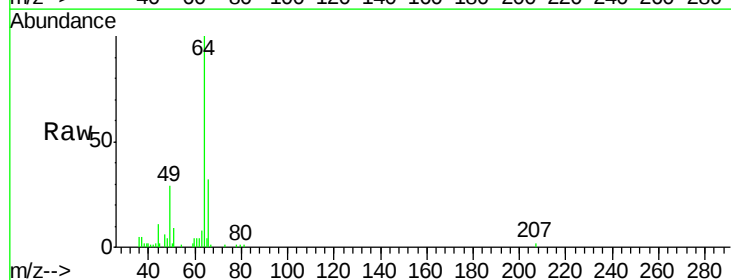
Acq: 6 Oct 2020 23:53

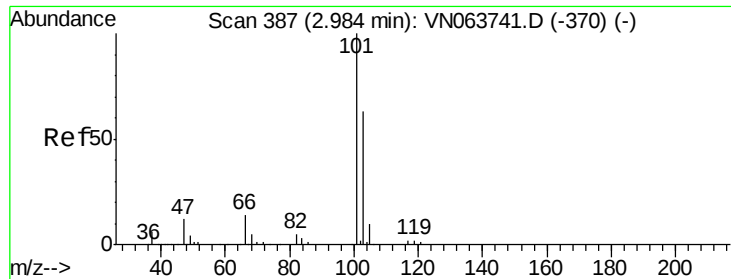
Tgt Ion: 64 Resp: 38894

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

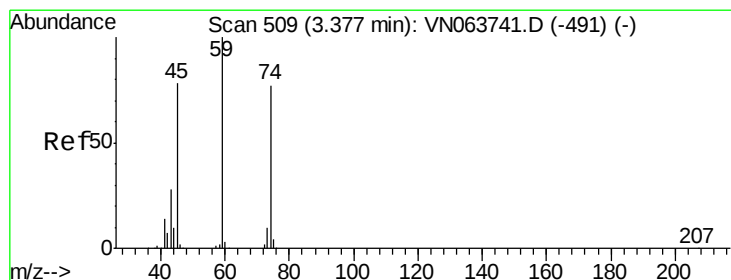
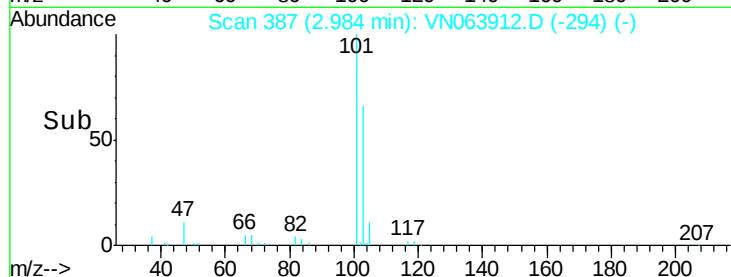
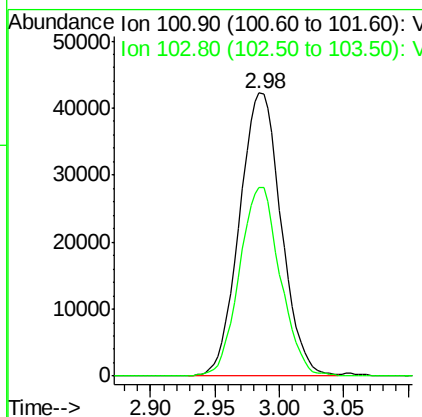
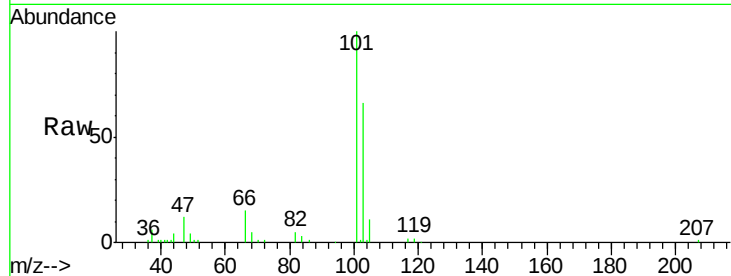
Trichlorofluoromethane
 Concen: 18.472 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

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 VN1006WBS04

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.7	76.1

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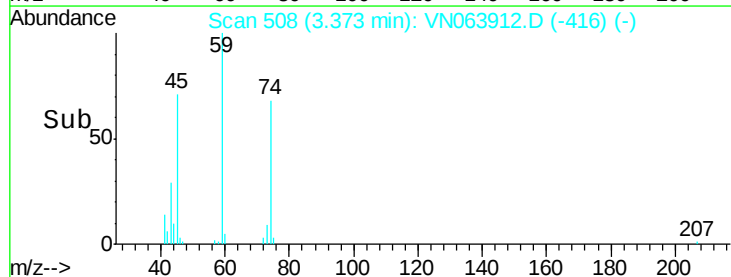
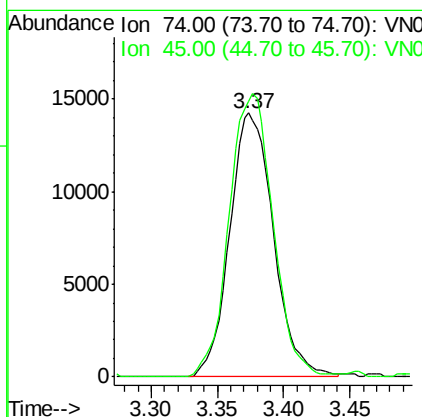
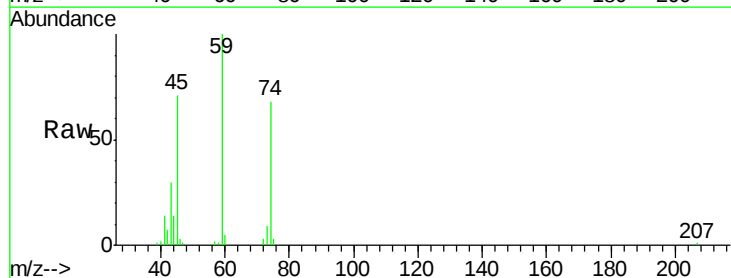
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 10/7/2020 12:12:00 PM



#8

Diethyl Ether
 Concen: 18.702 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.036 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

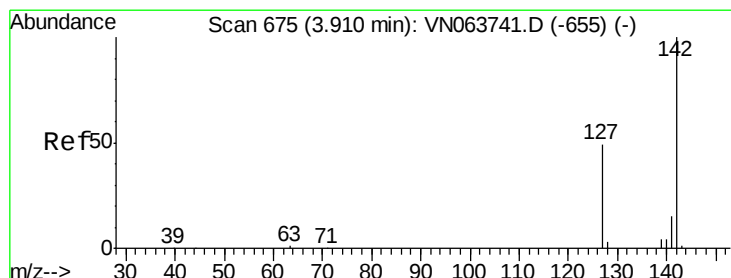
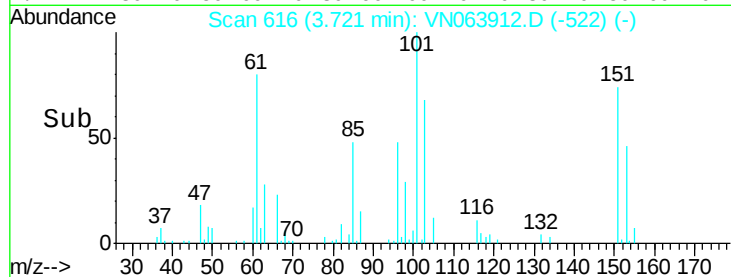
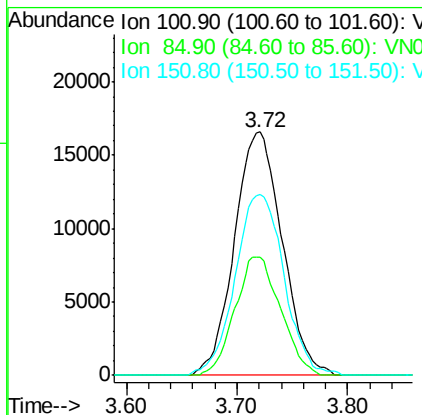
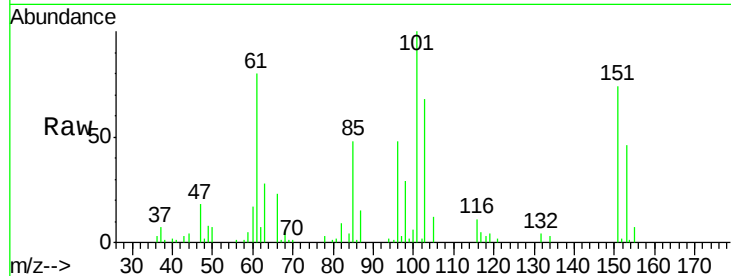
ClientSampled :

VN1006WBS04

Tot Ion:	101	Resp:	49793
Ion Ratio	Lower	Upper	
101	100		
85	46.3	38.6	58.0
151	76.0	58.7	88.1

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#10

Methyl Iodide

Concen: 15.243 ug/l

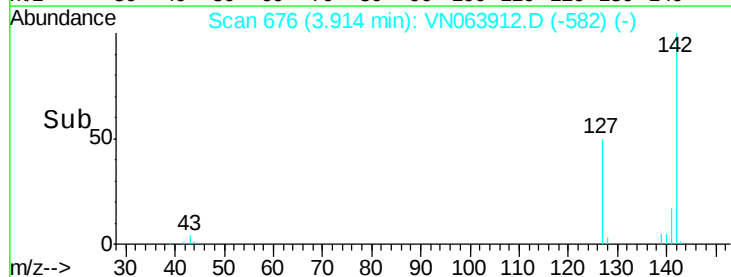
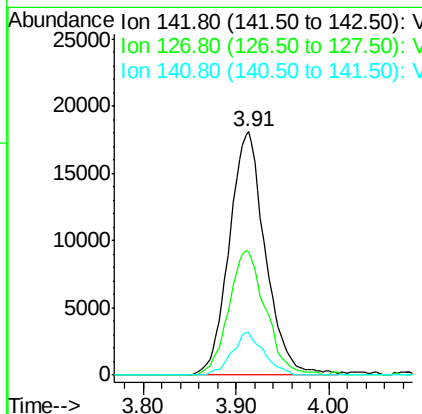
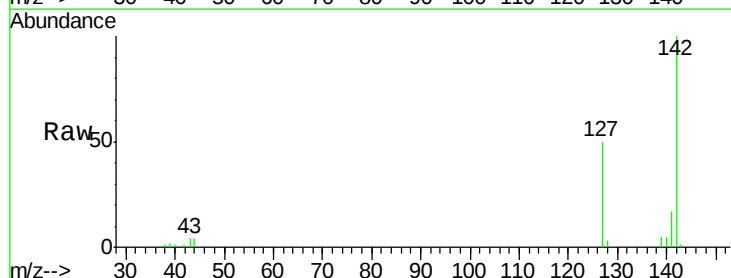
RT: 3.91 min Scan# 676

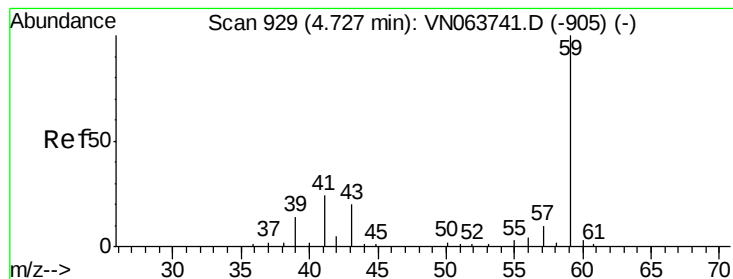
Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	142	Resp:	48862
Ion Ratio	Lower	Upper	
142	100		
127	52.0	40.5	60.7
141	15.4	11.7	17.5





#11

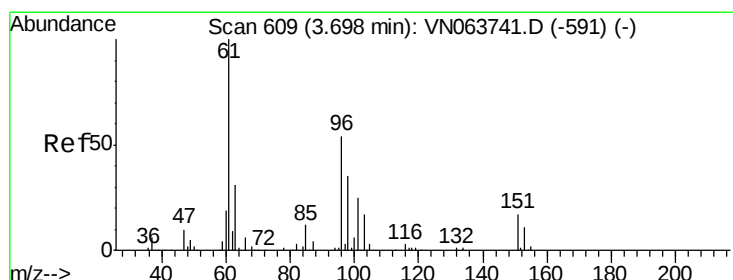
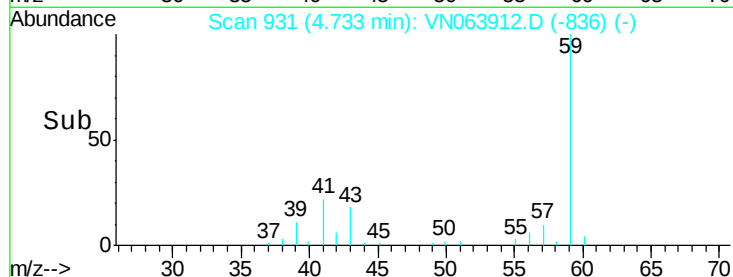
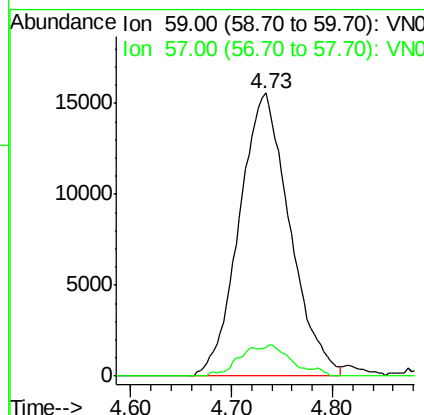
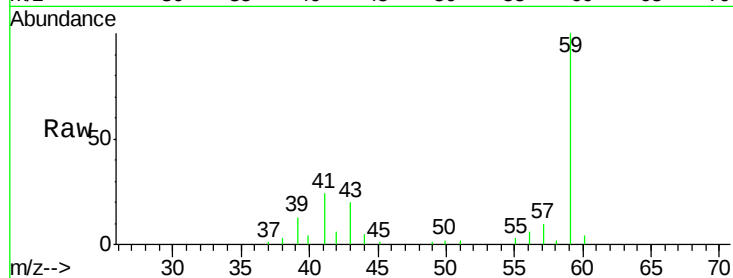
Tert butyl alcohol
Concen: 112.801 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.7	13.1#

Manual Integrations
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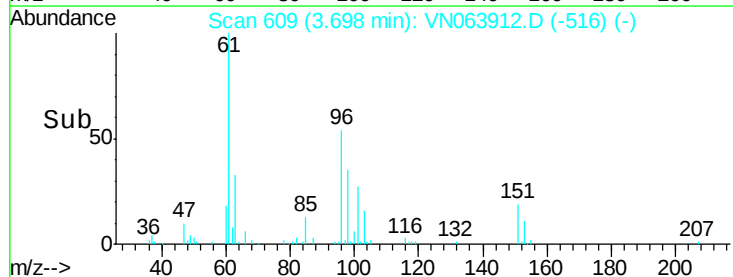
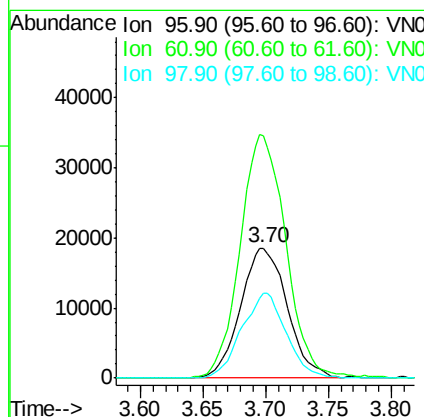
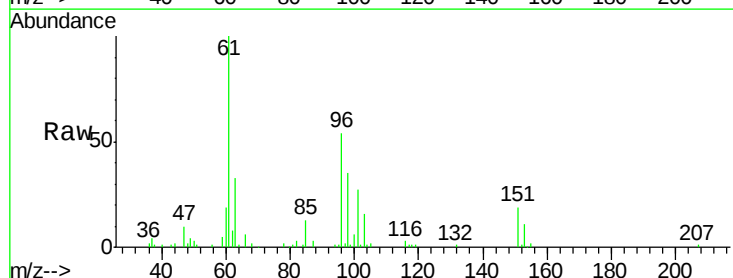
MMDadoda
10/7/2020 12:12:00 PM

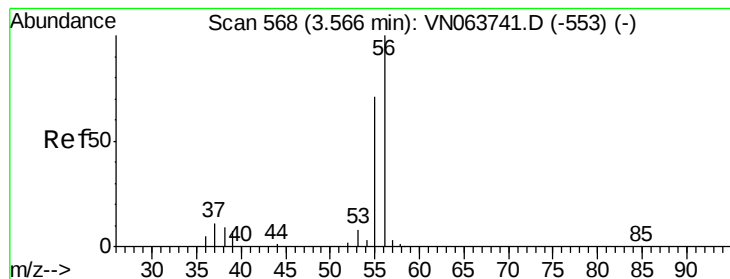


#12

1,1-Dichloroethene
Concen: 18.227 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	147.7	221.5
98	65.1	51.9	77.9





#13

Acrolein

Concen: 134.343 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 56 Resp: 39410

Ion Ratio Lower Upper

56 100

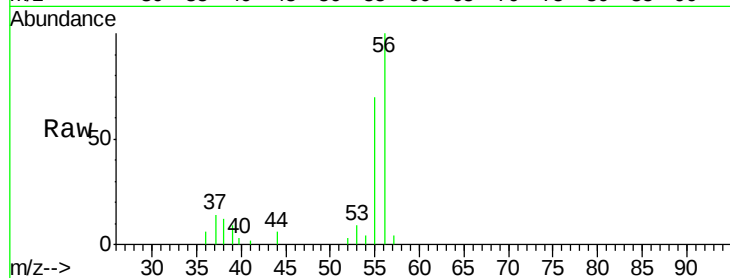
55 72.6 56.9 85.3

Manual Integrations

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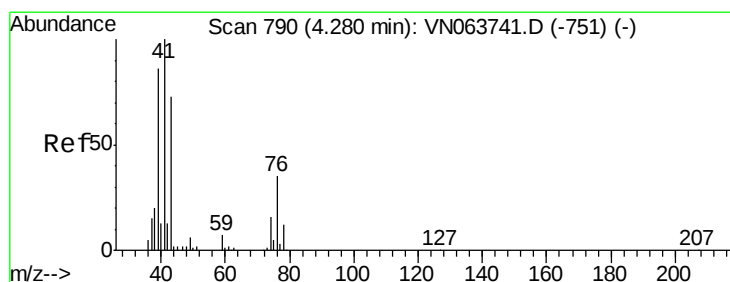
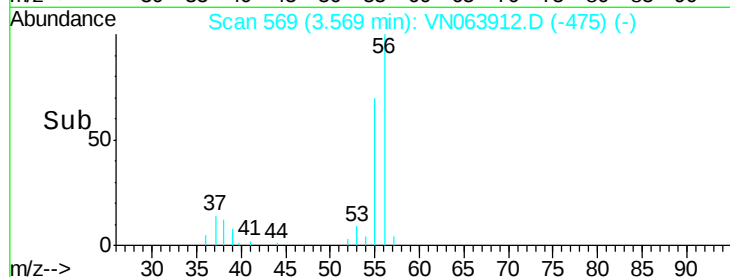
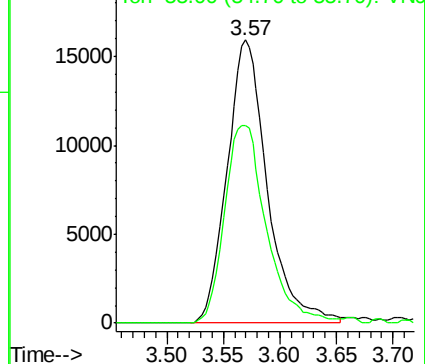
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.600 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

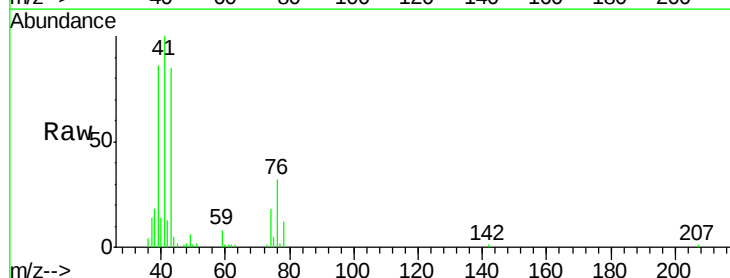
Tgt Ion: 41 Resp: 96087

Ion Ratio Lower Upper

41 100

39 73.9 64.5 96.7

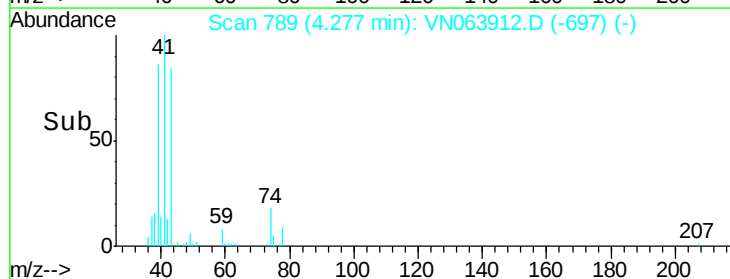
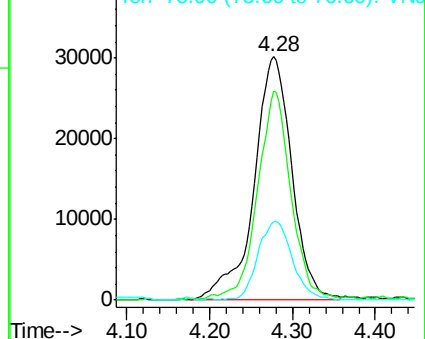
76 29.3 25.9 38.9

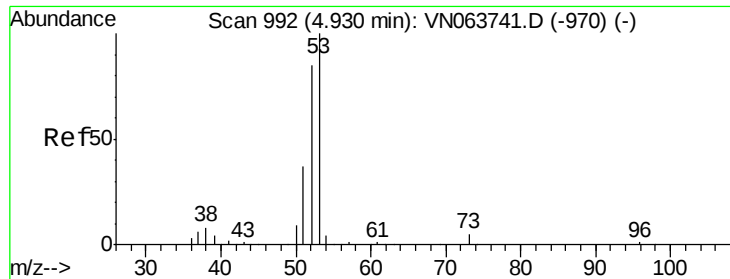


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 104.352 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

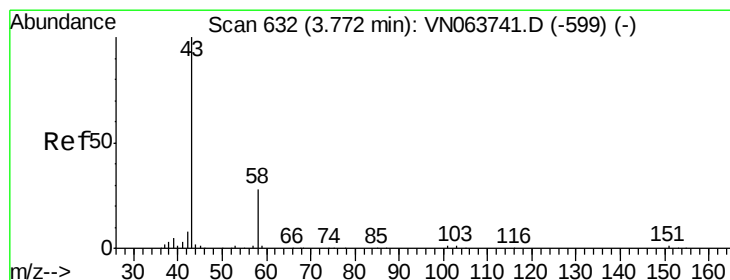
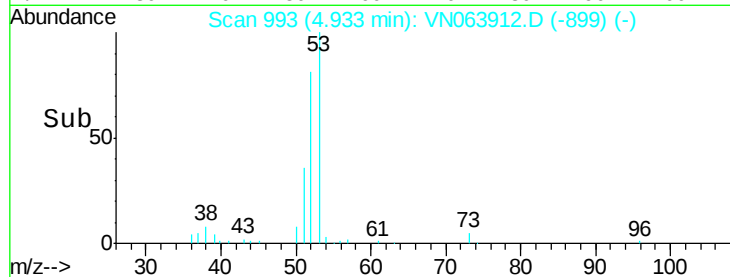
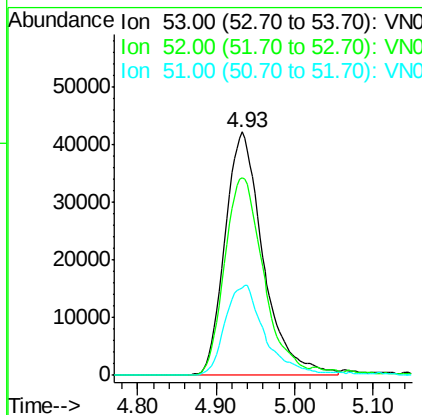
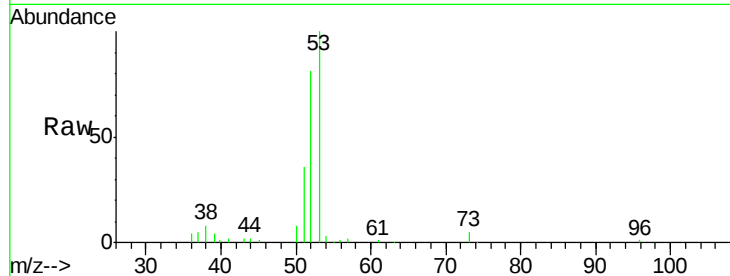
ClientSampled :

VN1006WBS04

Tot Ion:	53	Resp:	142772
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	38.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 106.591 ug/l

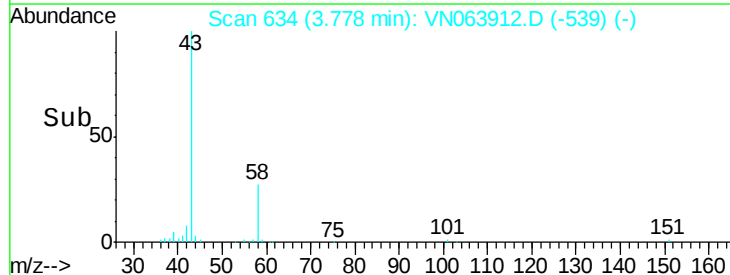
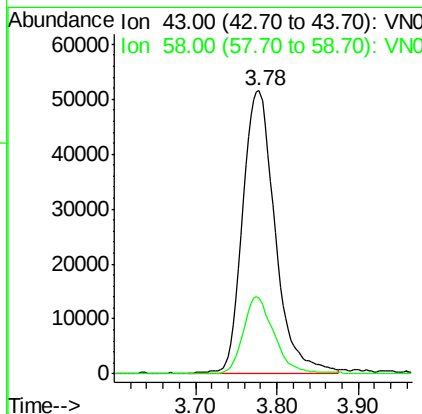
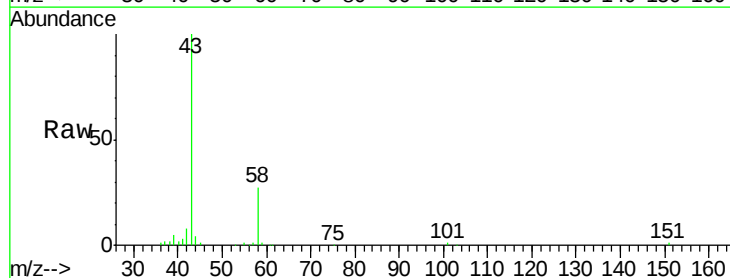
RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	43	Resp:	142055
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.3	33.5





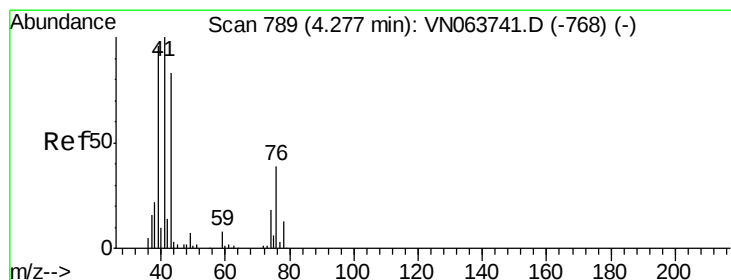
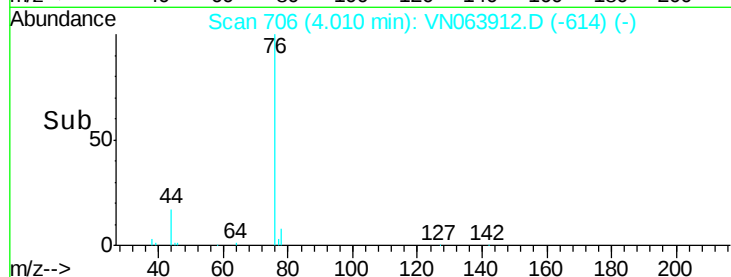
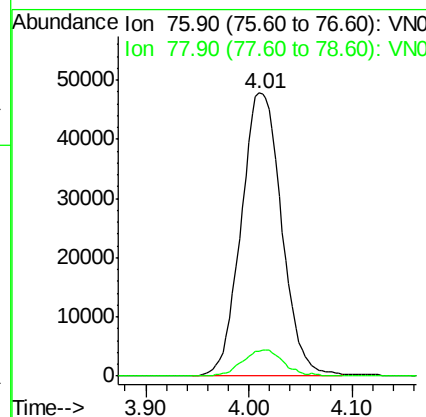
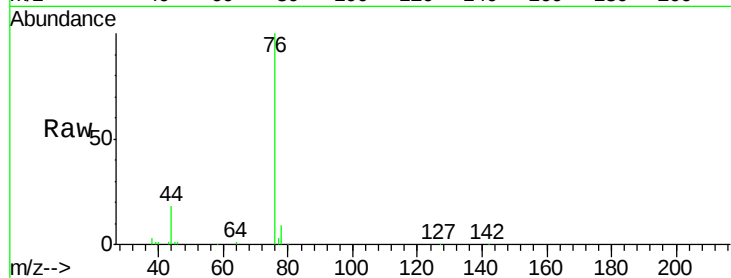
#17
Carbon Disulfide
Concen: 18.749 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

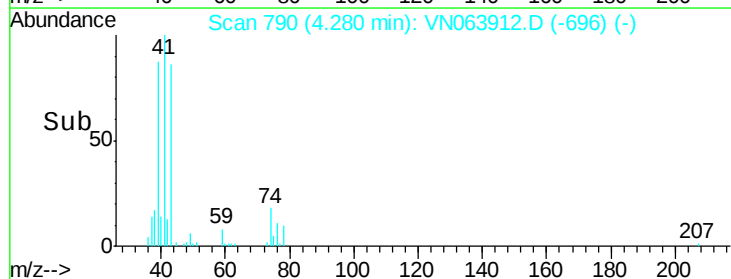
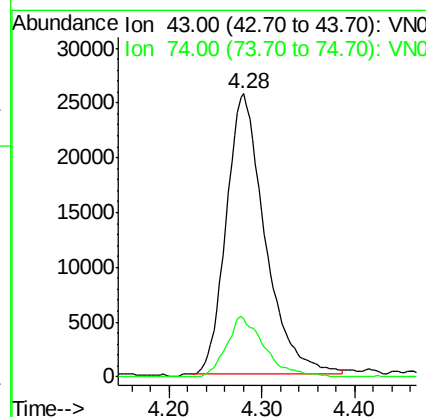
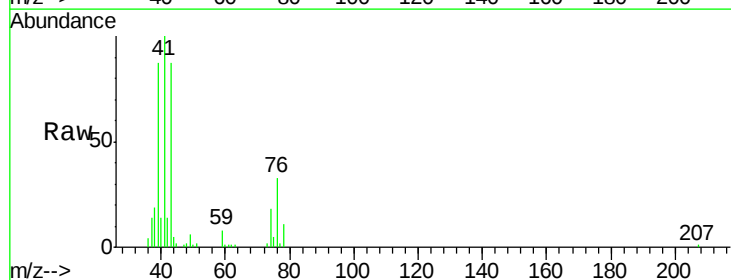
Manual Integrations
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10/7/2020 12:12:00 PM



#18
Methyl Acetate
Concen: 21.579 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.4	26.2





#19

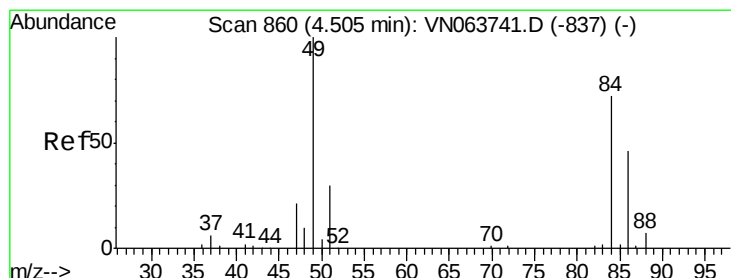
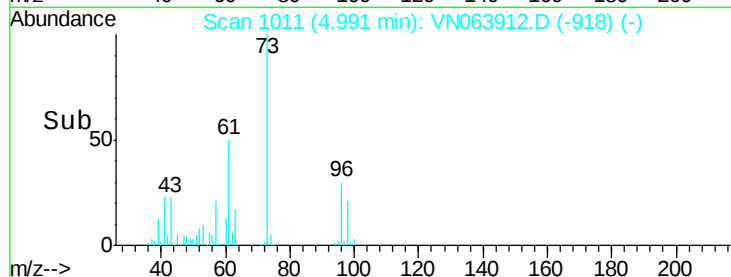
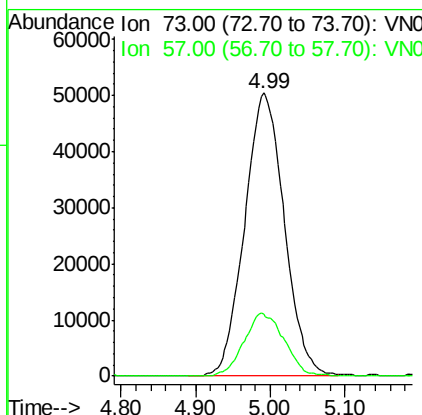
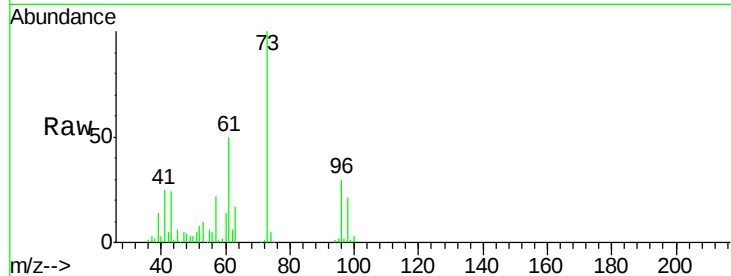
Methyl tert-butyl Ether
 Concen: 19.402 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS04

Tot Ion: 73 Resp: 186007
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

Manual Integrations
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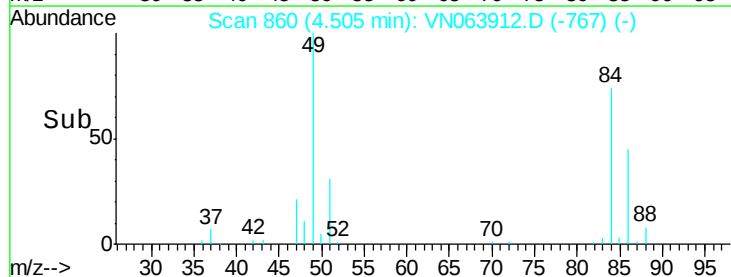
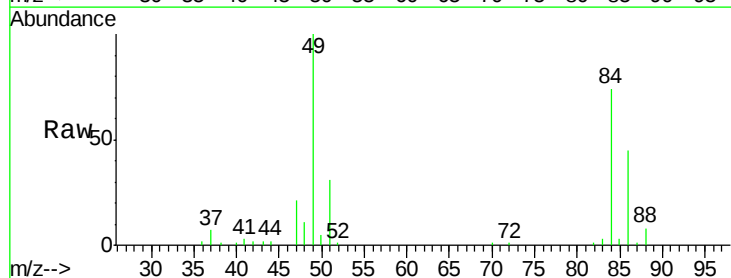
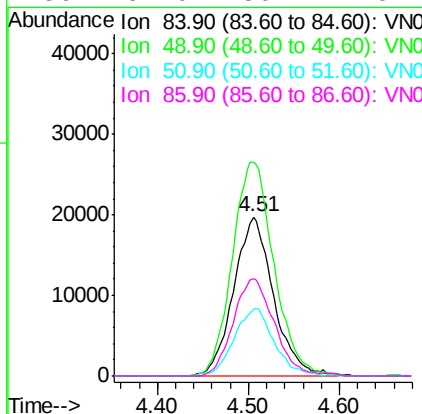
MMDadoda
 10/7/2020 12:12:00 PM

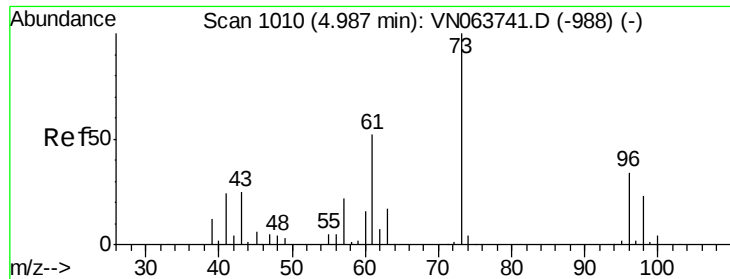


#20

Methylene Chloride
 Concen: 19.697 ug/l
 RT: 4.51 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion: 84 Resp: 59944
 Ion Ratio Lower Upper
 84 100
 49 134.3 110.4 165.6
 51 41.6 33.3 49.9
 86 61.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.799 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 96 Resp: 52609

Ion Ratio Lower Upper

96 100

61 168.7 120.2 180.2

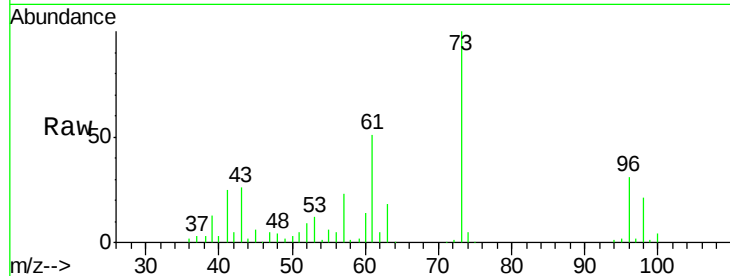
98 68.8 52.6 79.0

Manual Integrations

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MMDadoda

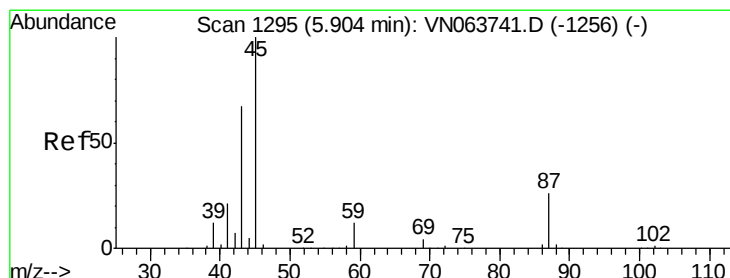
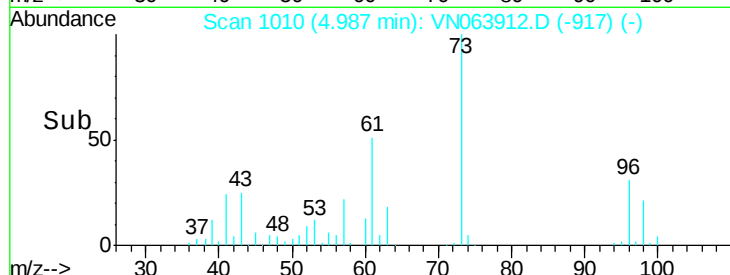
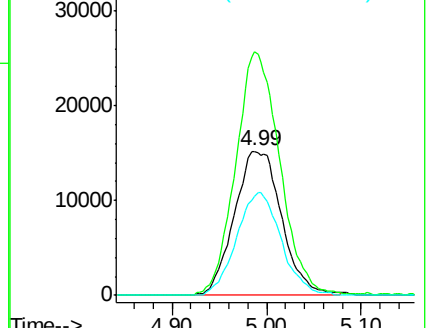
10/7/2020 12:12:00 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063912.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN063912.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN063912.D (-917) (-)



#22

Diisopropyl ether

Concen: 20.504 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion: 45 Resp: 206811

Ion Ratio Lower Upper

45 100

43 71.1 53.7 80.5

87 24.6 21.1 31.7

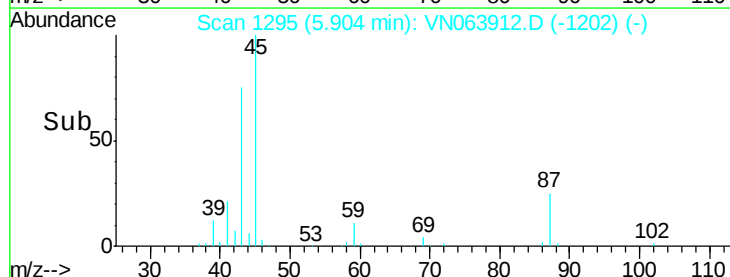
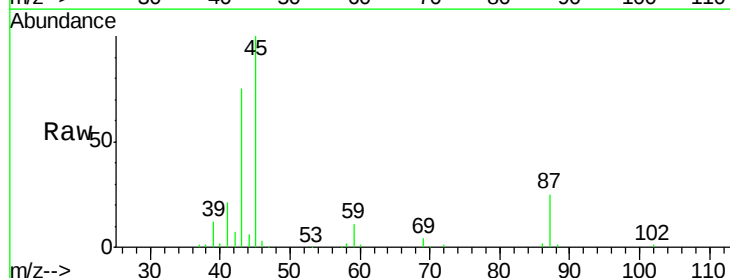
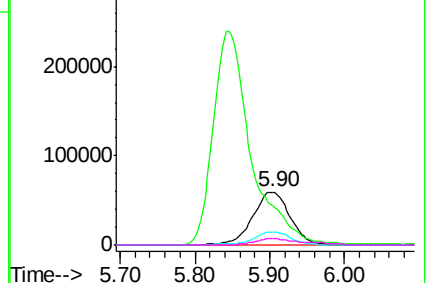
59 11.1 9.2 13.8

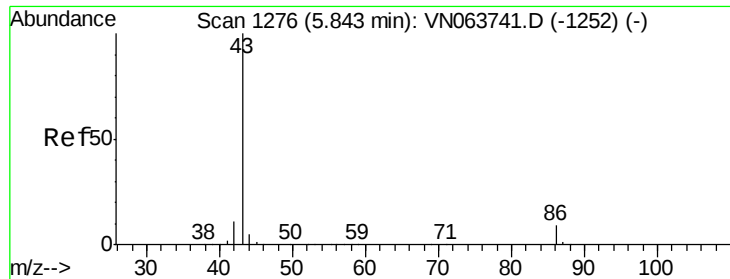
Abundance Ion 45.00 (44.70 to 45.70): VN063912.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN063912.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN063912.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN063912.D (-1202) (-)





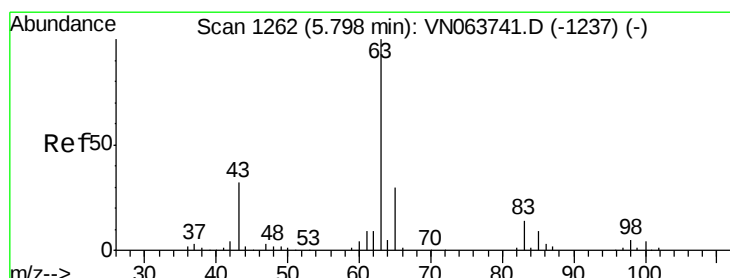
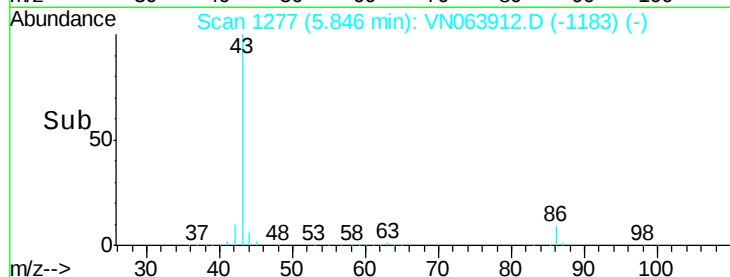
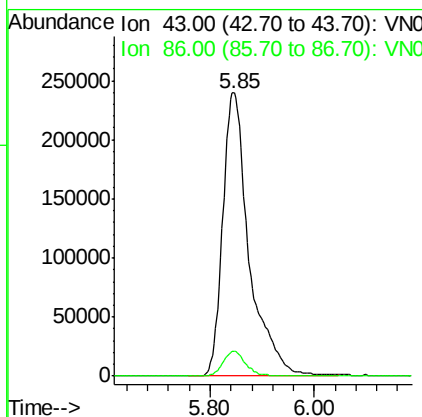
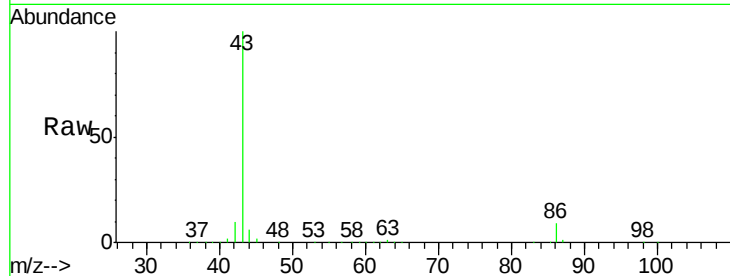
#23
 Vinyl Acetate
 Concen: 101.340 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS04

Tot Ion	43	Resp	846721
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.3	10.9

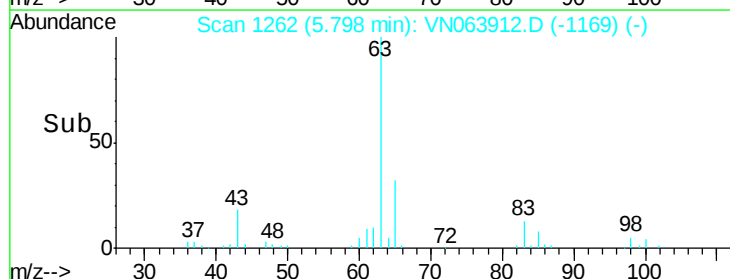
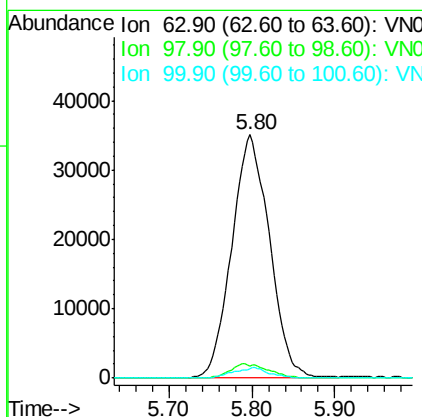
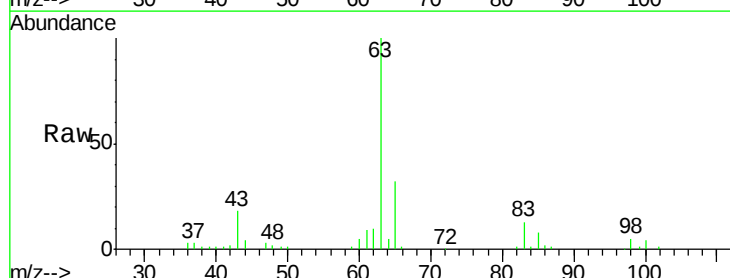
Manual Integrations
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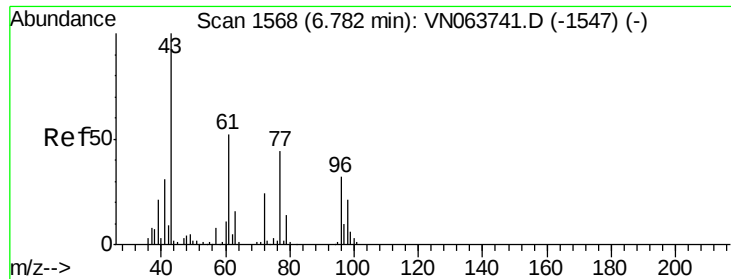
MMDadoda
 10/7/2020 12:12:00 PM



#24
 1,1-Dichloroethane
 Concen: 19.273 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	63	Resp	111151
Ion Ratio	100	Lower	Upper
63	100		
98	4.9	2.7	8.1
100	3.9	1.9	5.7





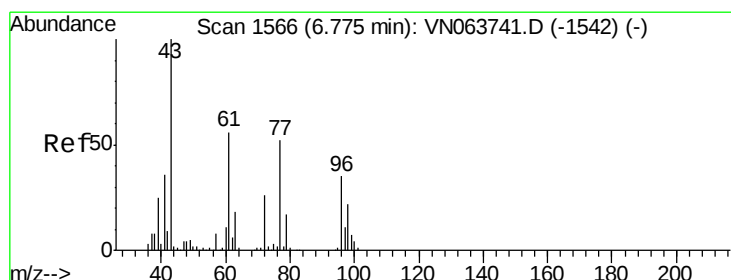
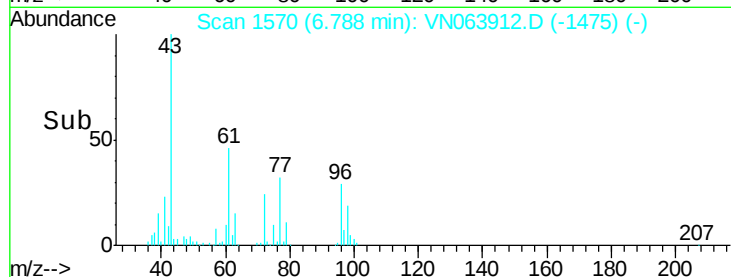
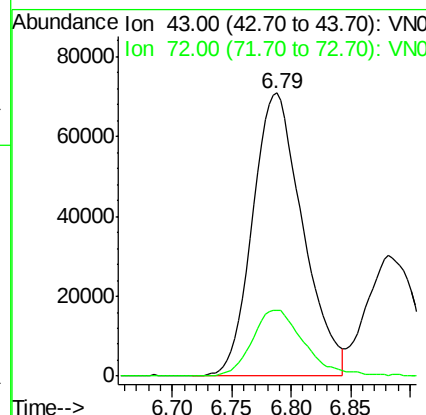
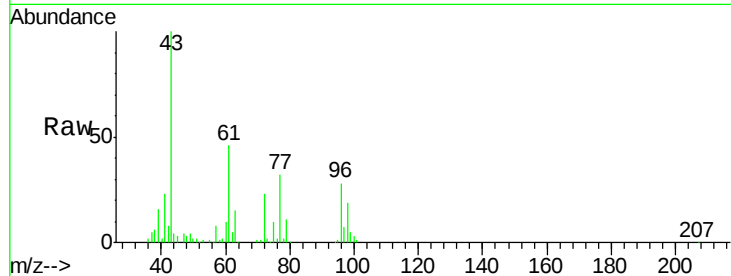
#25
2-Butanone
Concen: 109.040 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion: 43 Resp: 206027
Ion Ratio Lower Upper
43 100
72 23.5 19.3 28.9

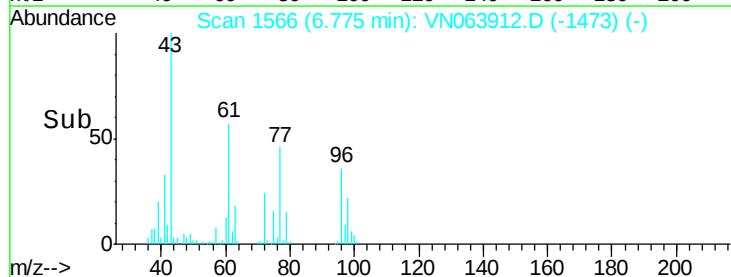
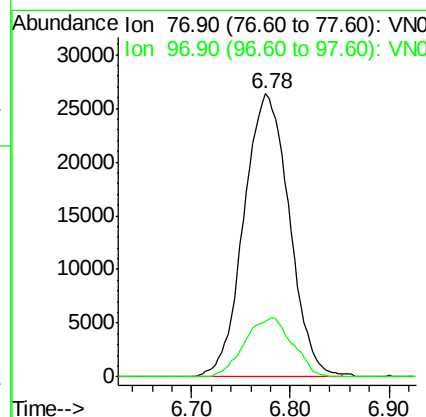
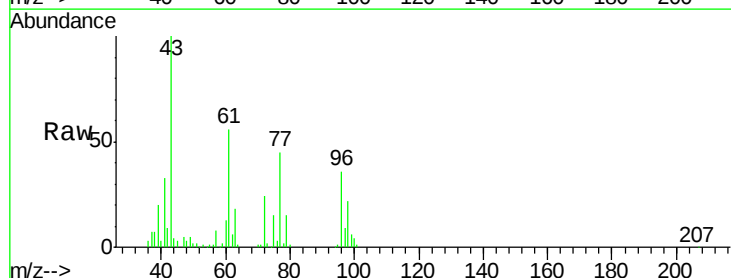
Manual Integrations
APPROVED

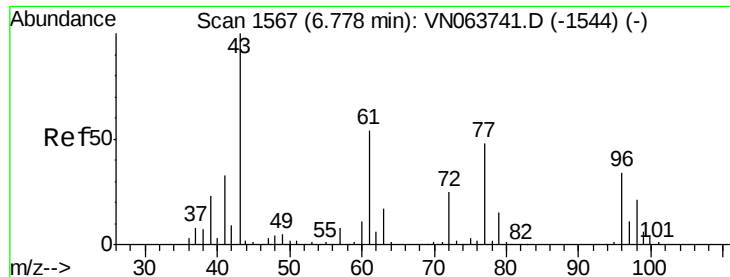
MMDadoda
10/7/2020 12:12:00 PM



#26
2,2-Dichloropropane
Concen: 15.890 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion: 77 Resp: 83924
Ion Ratio Lower Upper
77 100
97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.810 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

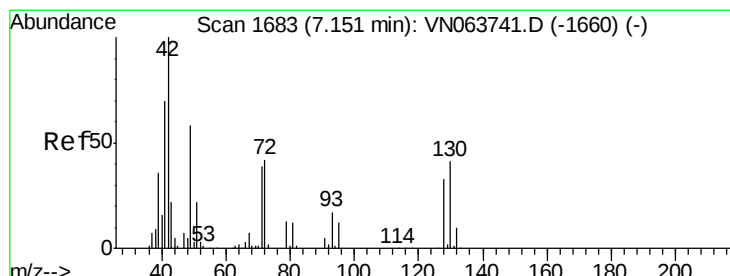
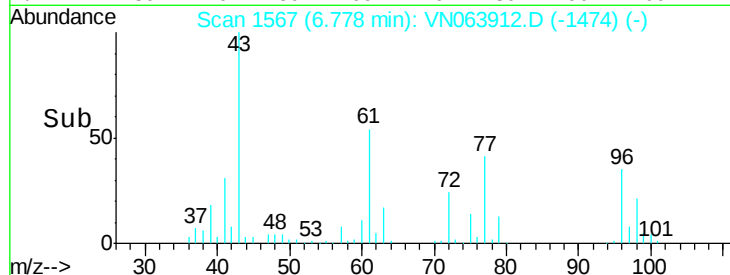
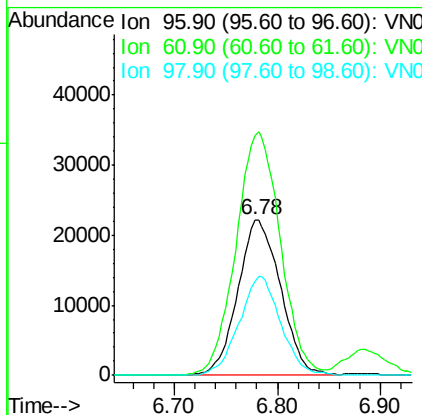
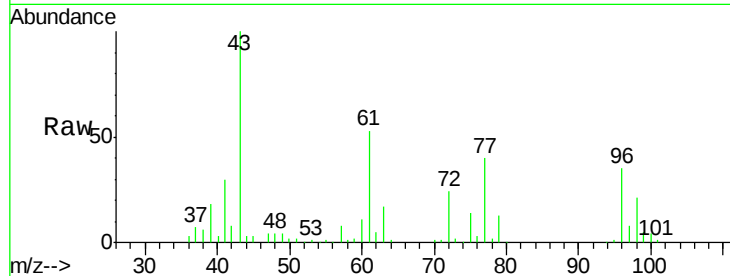
ClientSampleId :

VN1006WBS04

Tot Ion:	96	Resp:	63942
Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	321.2
98	61.7	0.0	124.4

Manual Integrations
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10/7/2020 12:12:00 PM



#28

Bromochloromethane

Concen: 20.094 ug/l

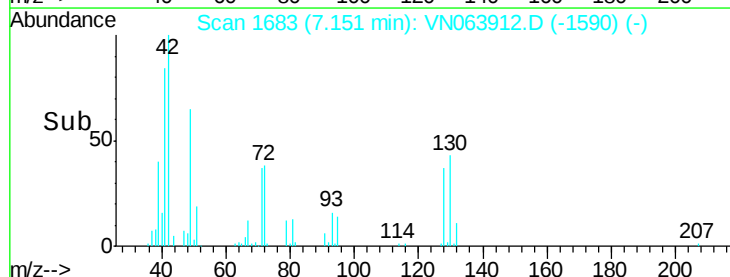
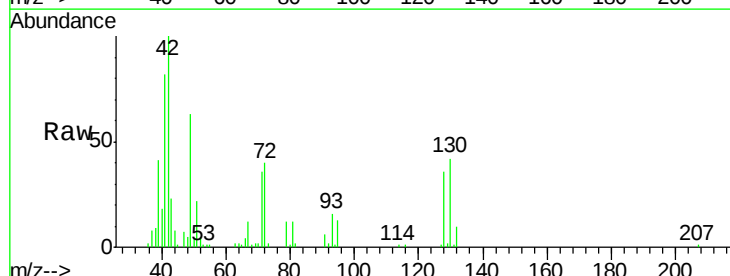
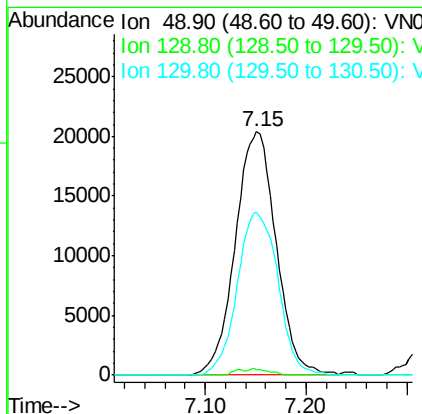
RT: 7.15 min Scan# 1683

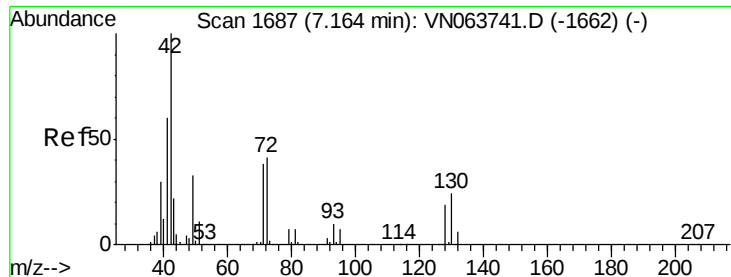
Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	49	Resp:	57278
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.8
130	66.7	55.6	83.4





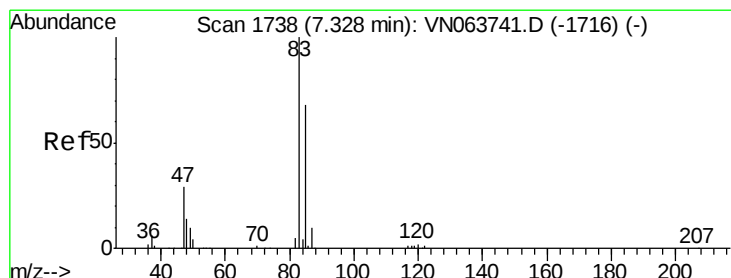
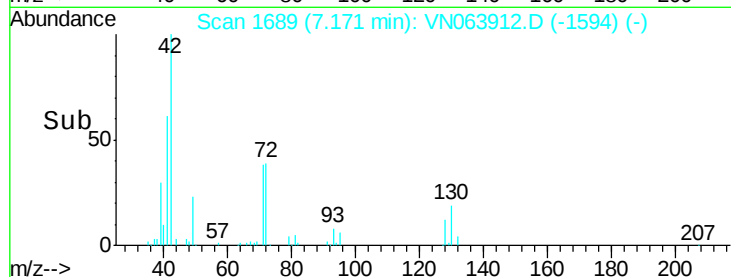
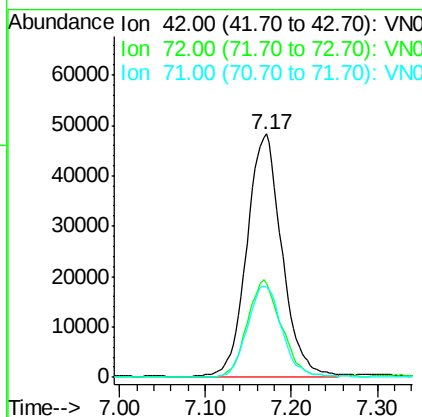
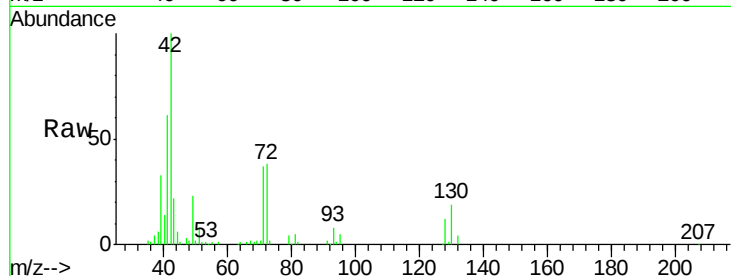
#29
Tetrahydrofuran
Concen: 108.847 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.8	49.2
71	36.9	30.6	45.8

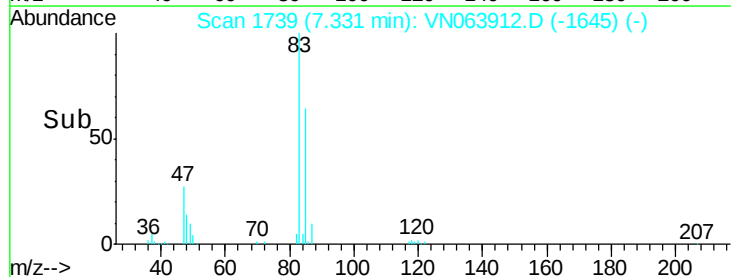
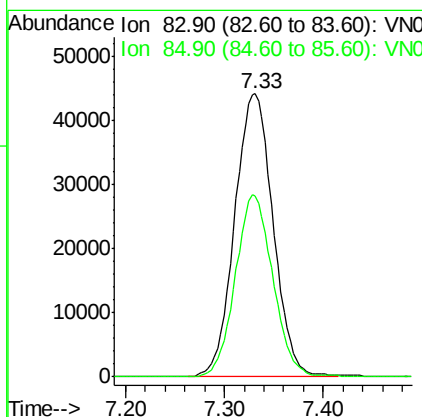
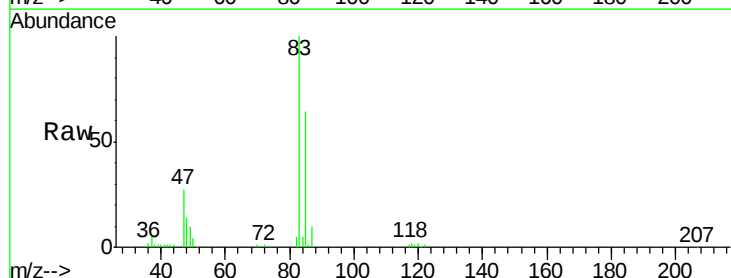
Manual Integrations
APPROVED

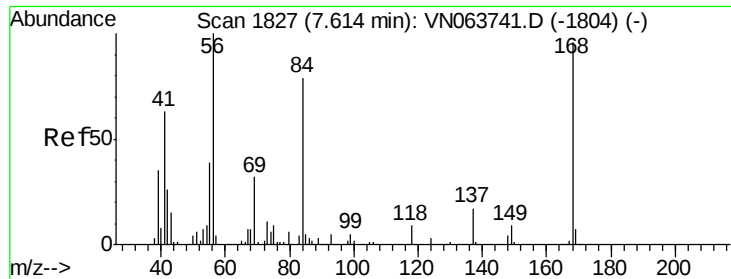
MMDadoda
10/7/2020 12:12:00 PM



#30
Chloroform
Concen: 19.838 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	54.6	82.0





#31

Cyclohexane

Concen: 17.841 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 56 Resp: 89669

Ion Ratio Lower Upper

56 100

69 39.5 25.4 38.2#

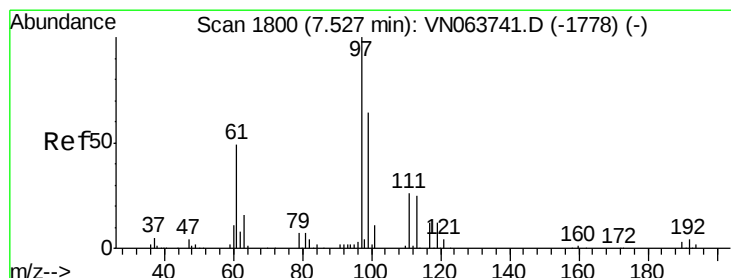
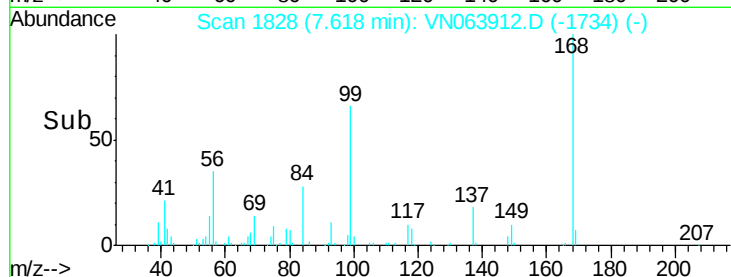
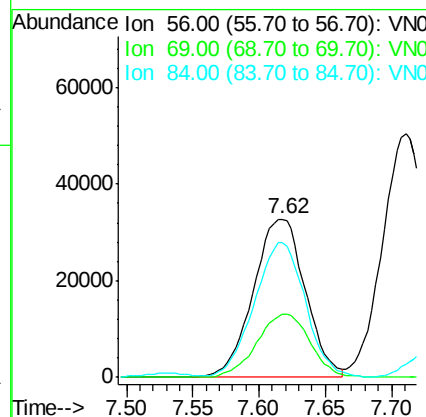
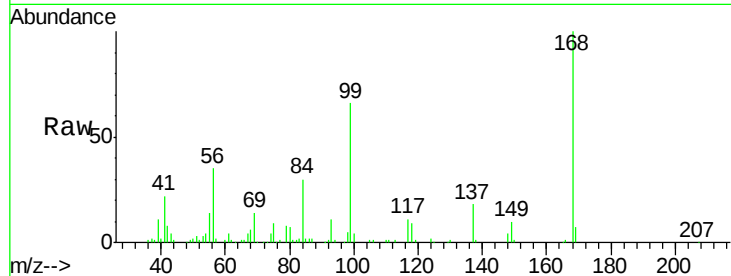
84 84.4 63.3 94.9

Manual Integrations

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10/7/2020 12:12:00 PM



#32

1,1,1-Trichloroethane

Concen: 19.798 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

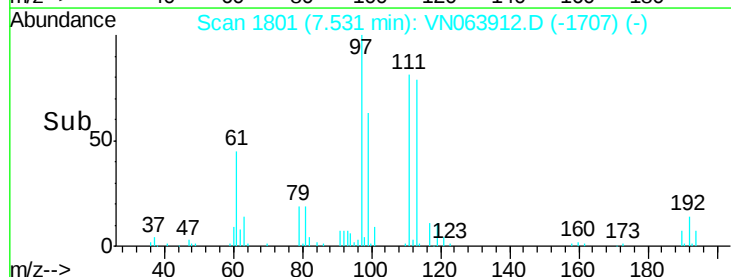
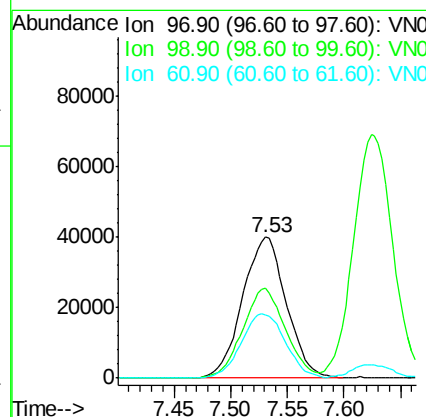
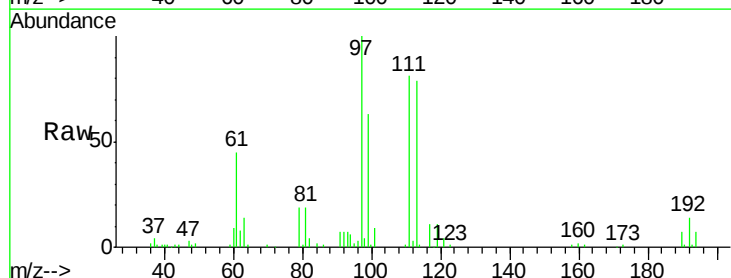
Tgt Ion: 97 Resp: 107382

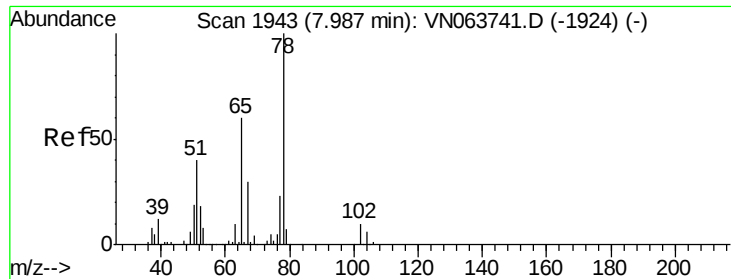
Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.6

61 46.3 38.7 58.1





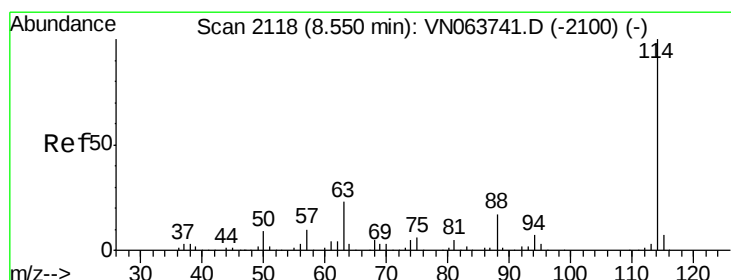
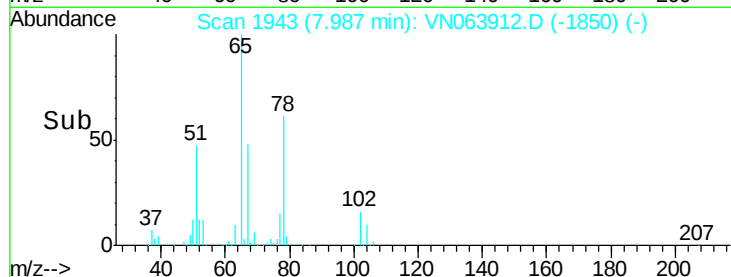
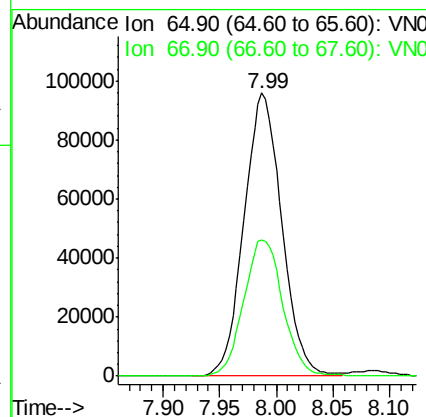
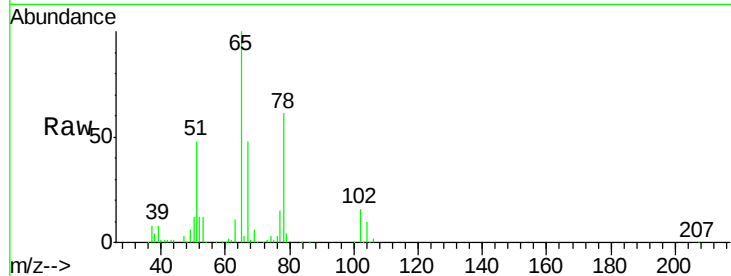
#33
 1,2-Dichloroethane-d4
 Concen: 51.491 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS04

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222924		
67	49.7	0.0	99.6	

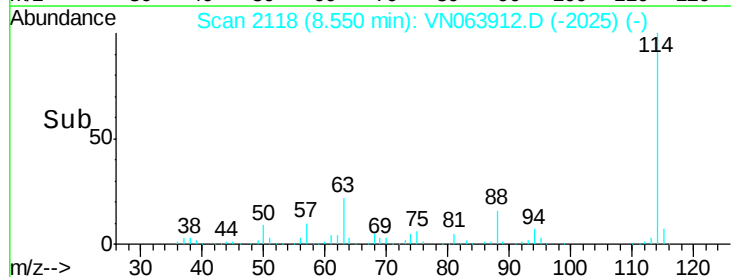
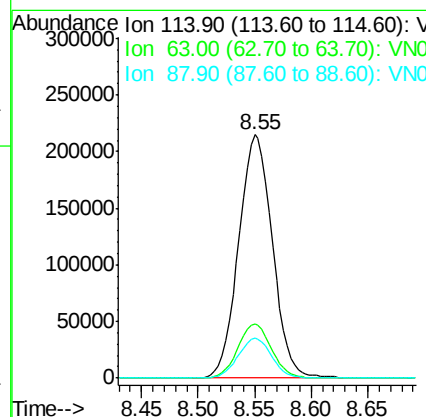
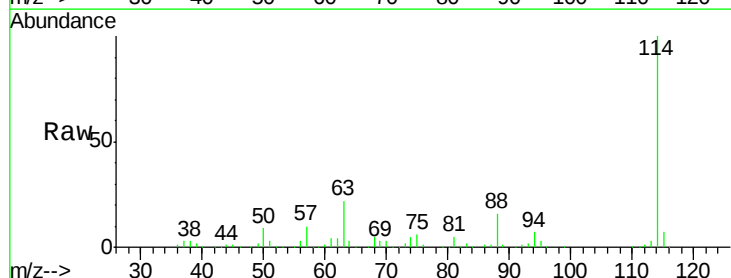
Manual Integrations
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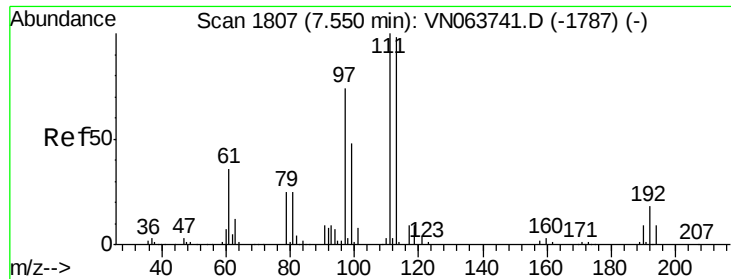
MMDadoda
 10/7/2020 12:12:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447135		
63	22.4	0.0	45.0	
88	16.4	0.0	34.0	





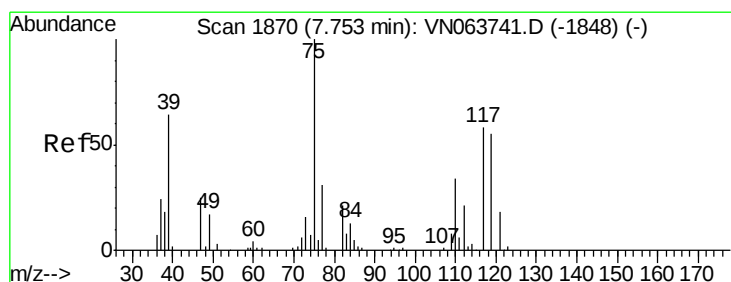
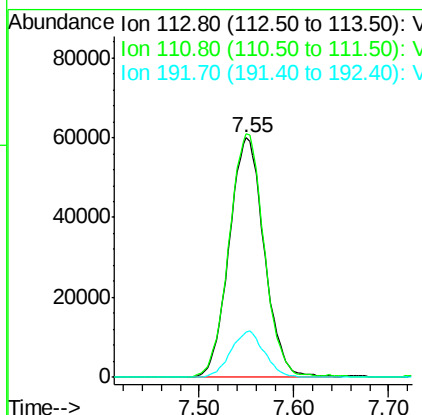
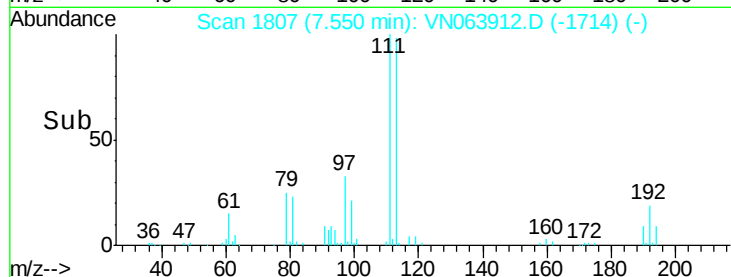
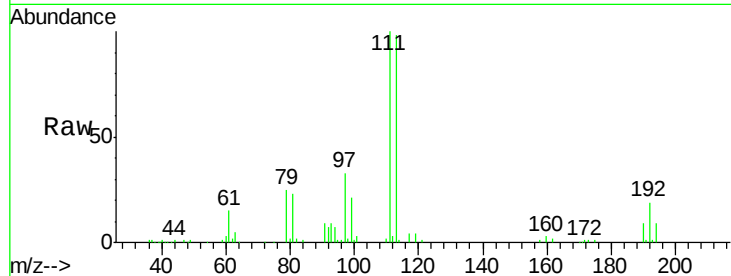
#35
Dibromofluoromethane
Concen: 49.810 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154538		
111	101.2	81.8	122.8	
192	18.6	14.2	21.2	

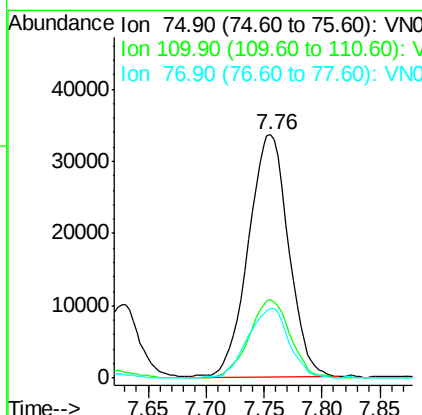
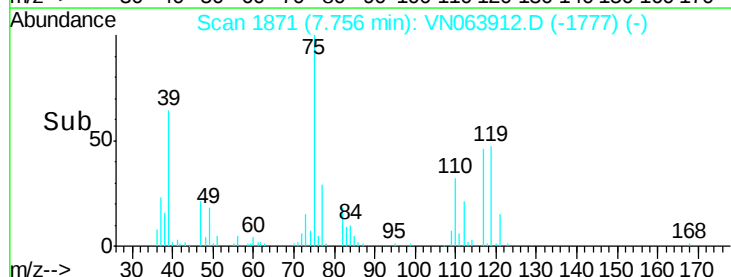
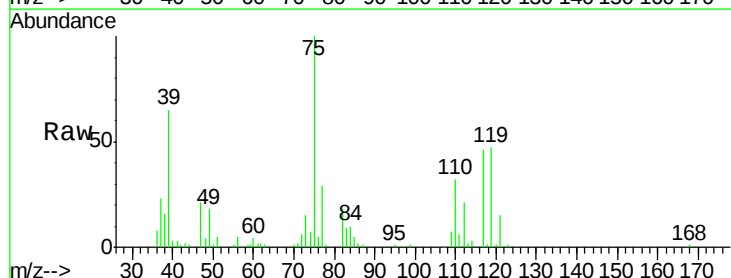
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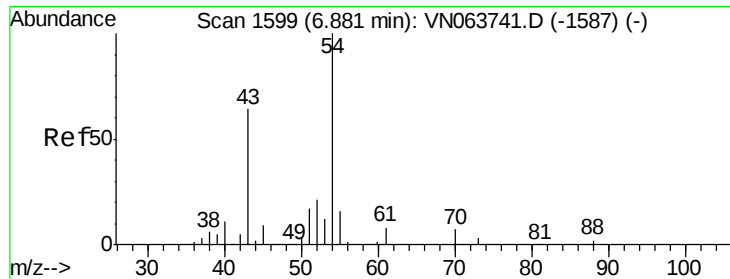
MMDadoda
10/7/2020 12:12:00 PM



#36
1,1-Dichloropropene
Concen: 17.887 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81027		
110	32.9	16.9	50.6	
77	29.4	24.5	36.7	





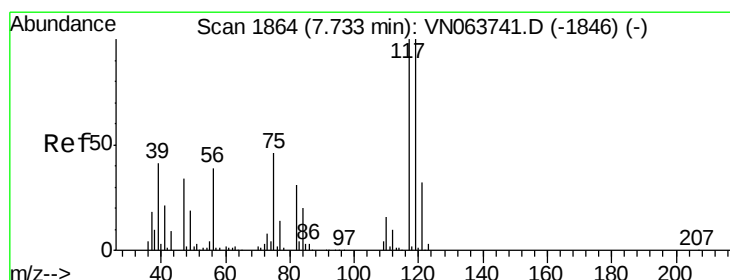
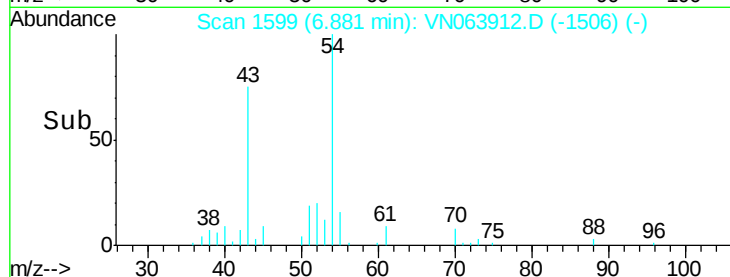
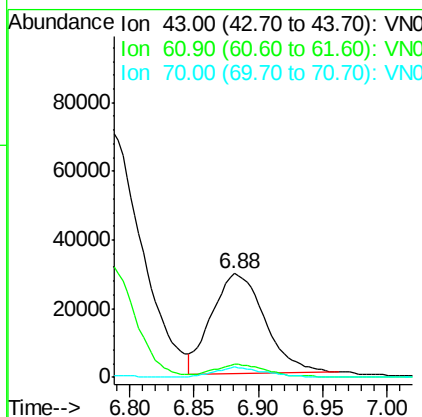
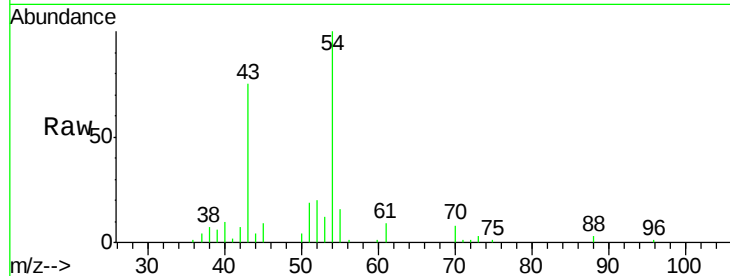
#37
Ethyl Acetate
Concen: 18.702 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	43	61	70
Resp	84171		
Ratio	100	13.0	9.5
Lower		10.4	7.3
Upper		15.6	10.9

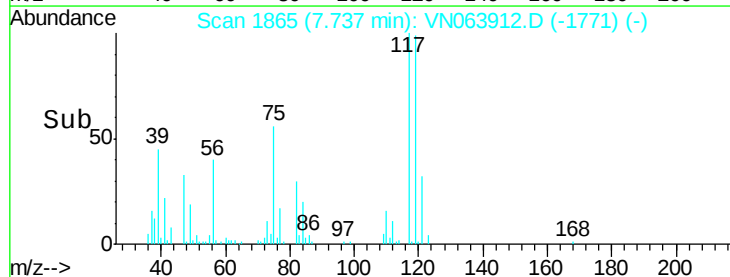
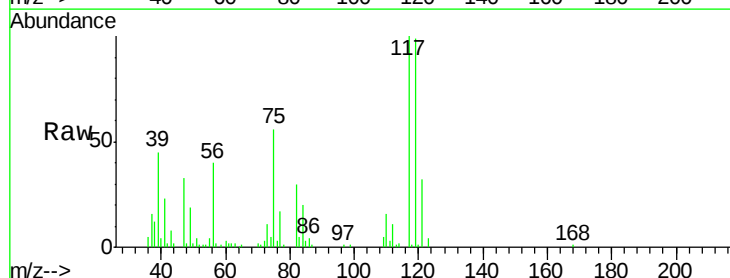
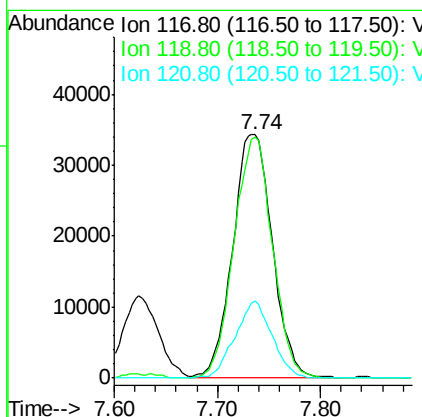
Manual Integrations
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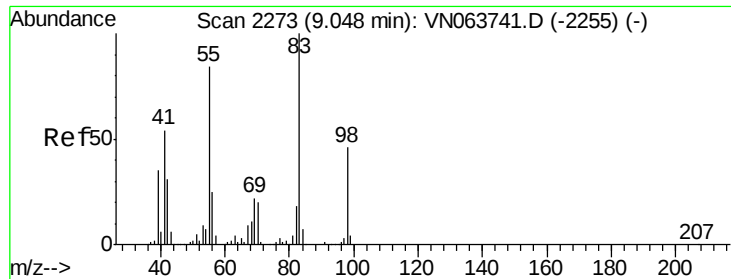
MMDadoda
10/7/2020 12:12:00 PM



#38
Carbon Tetrachloride
Concen: 18.096 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	117	119	121
Resp	91922		
Ratio	100	99.2	31.6
Lower		80.1	25.7
Upper		120.1	38.5





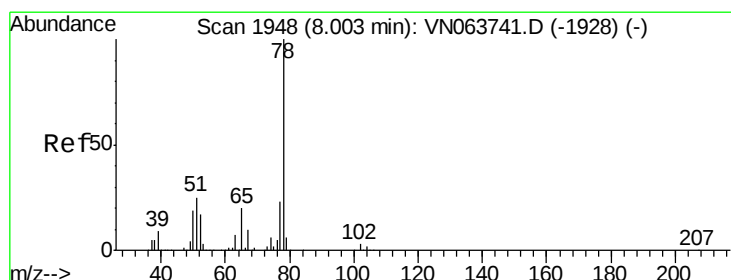
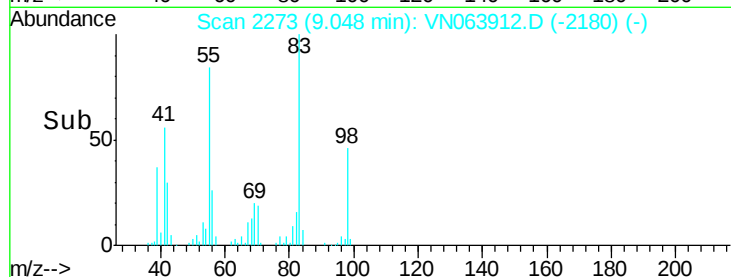
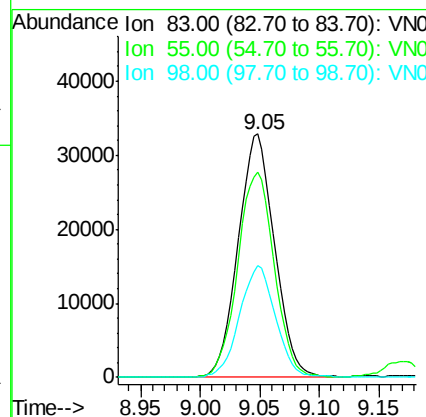
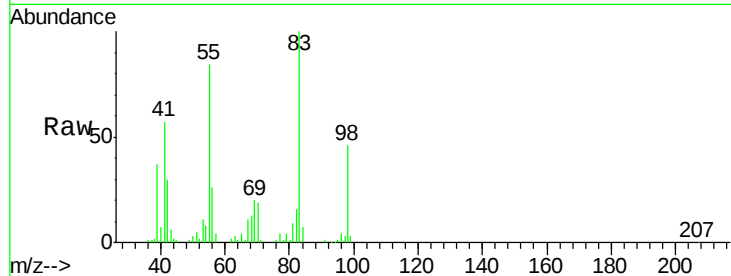
#39
Methvlcvclohexane
Concen: 15.440 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	83	Resp	69748
Ion Ratio	Lower	Upper	
83	100		
55	84.1	67.1	100.7
98	45.7	36.6	54.8

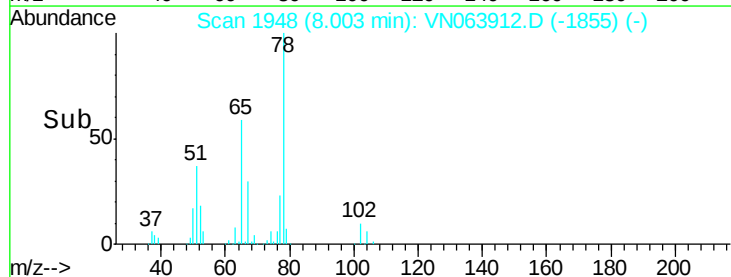
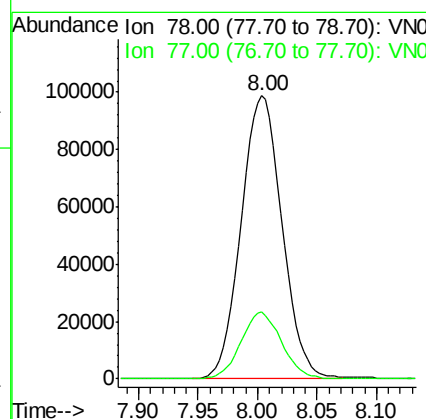
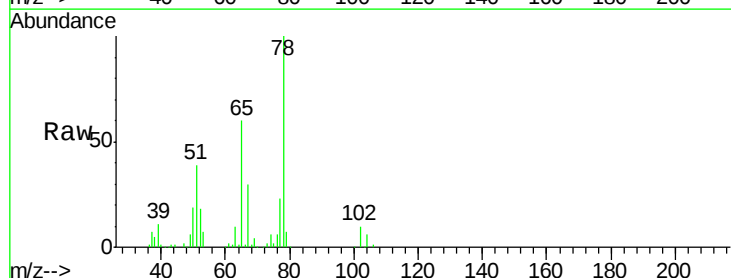
Manual Integrations
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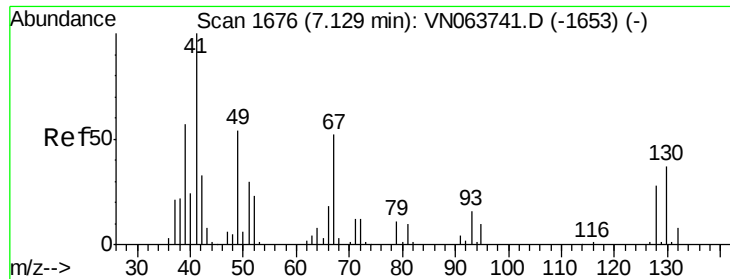
MMDadoda
10/7/2020 12:12:00 PM



#40
Benzene
Concen: 18.172 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	78	Resp	235121
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.7	28.1





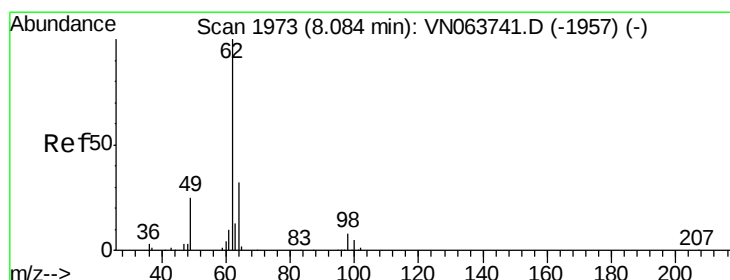
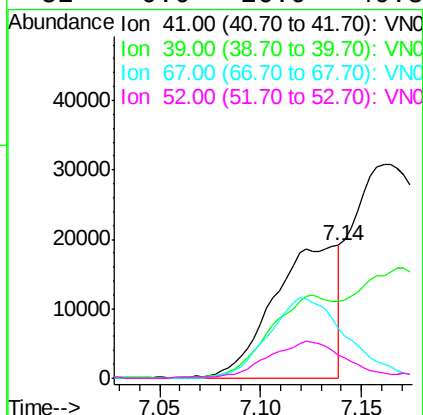
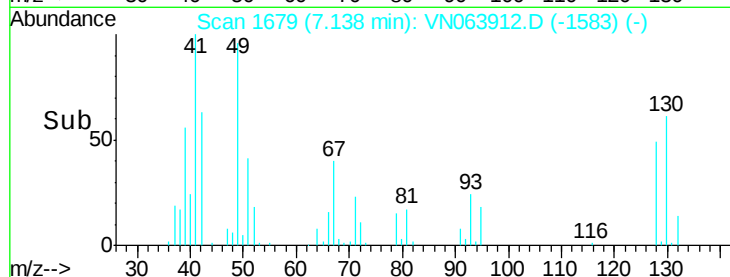
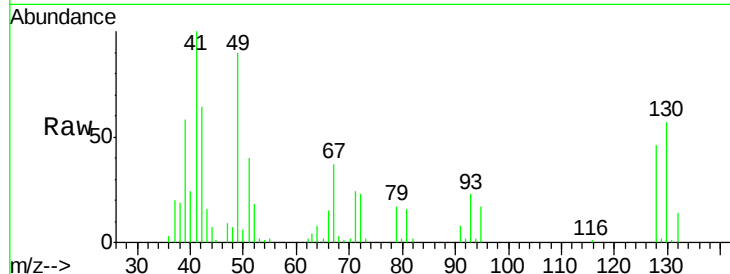
#41
Methacrylonitrile
Concen: 21.370 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

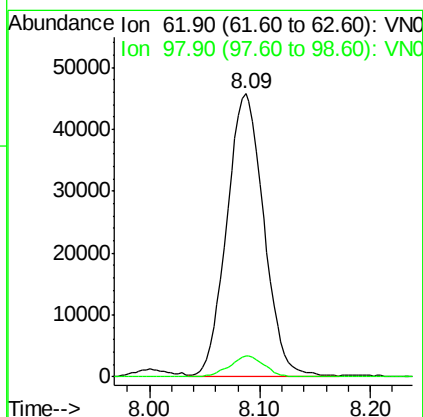
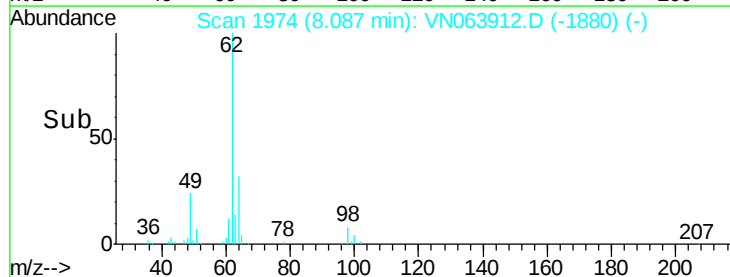
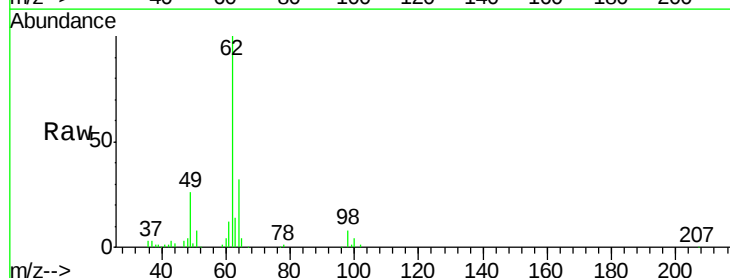
Manual Integrations
APPROVED

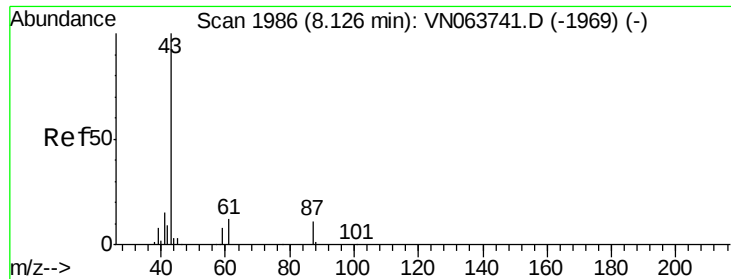
MMDadoda
10/7/2020 12:12:00 PM



#42
1,2-Dichloroethane
Concen: 19.201 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	15.0





#43

Isopropyl Acetate

Concen: 19.341 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

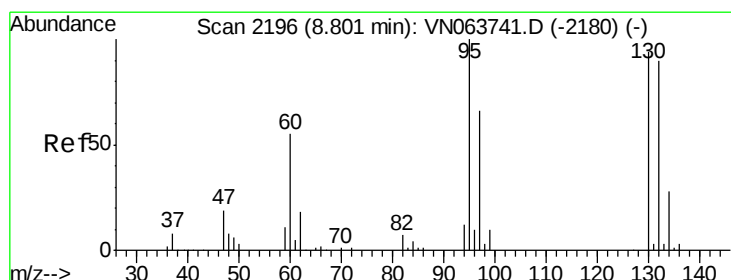
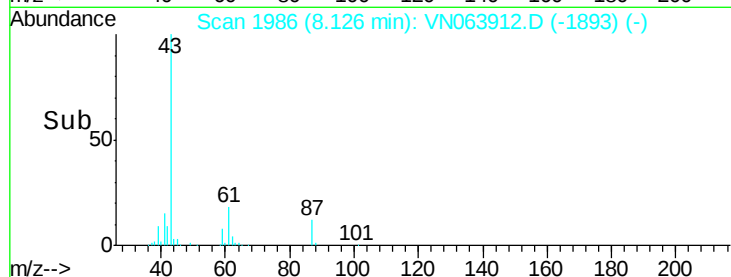
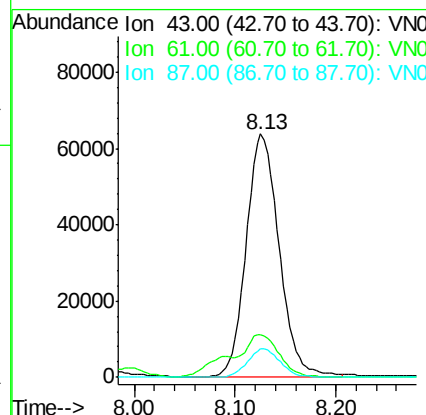
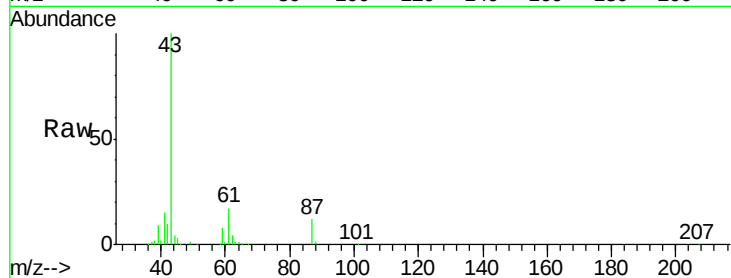
ClientSampleId :

VN1006WBS04

Tot Ion:	43	Resp:	143577
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.4
87	11.7	9.0	13.6

Manual Integrations
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MMDadoda
10/7/2020 12:12:00 PM



#44

Trichloroethene

Concen: 17.702 ug/l

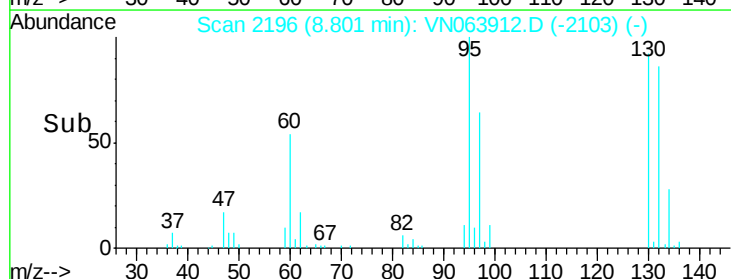
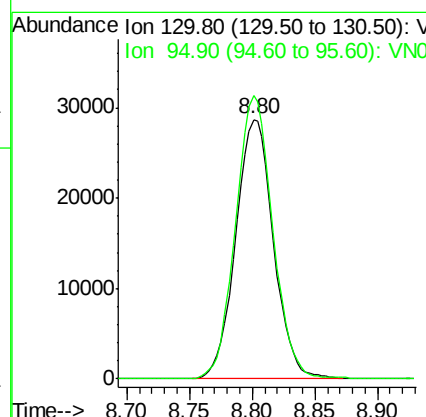
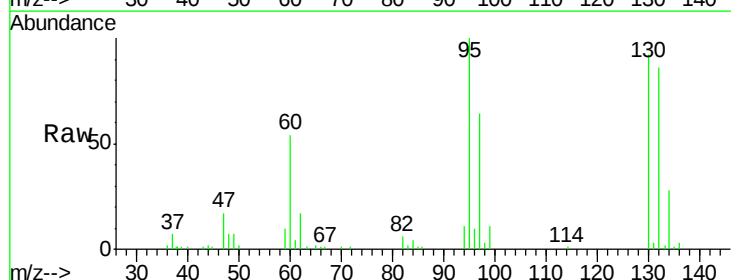
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	130	Resp:	60012
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	213.6





#45

1,2-Dichloropropane

Concen: 18.359 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 63 Resp: 64150

Ion Ratio Lower Upper

63 100

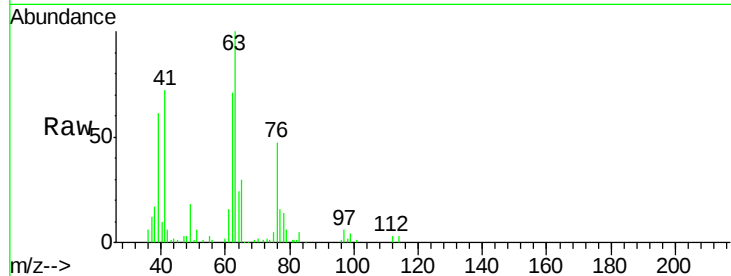
65 30.4 24.7 37.1

Manual Integrations

APPROVED

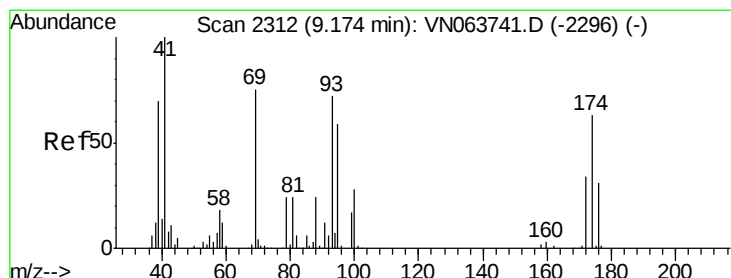
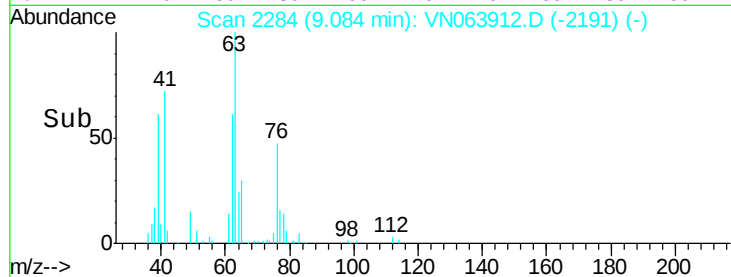
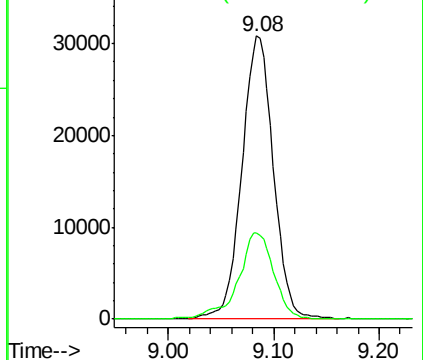
MMDadoda

10/7/2020 12:12:00 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 18.006 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

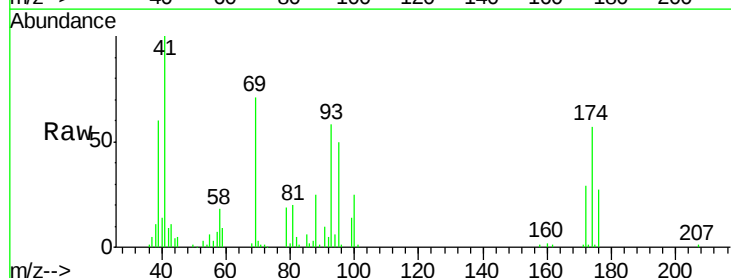
Tgt Ion: 93 Resp: 43403

Ion Ratio Lower Upper

93 100

95 84.0 66.3 99.5

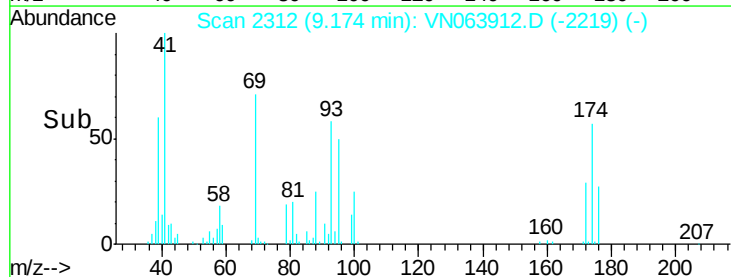
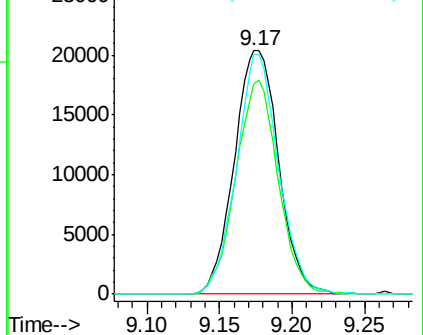
174 93.4 72.7 109.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





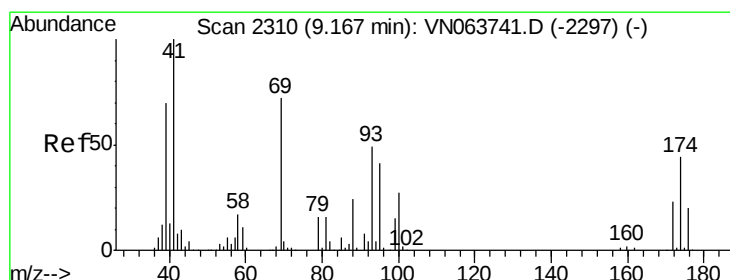
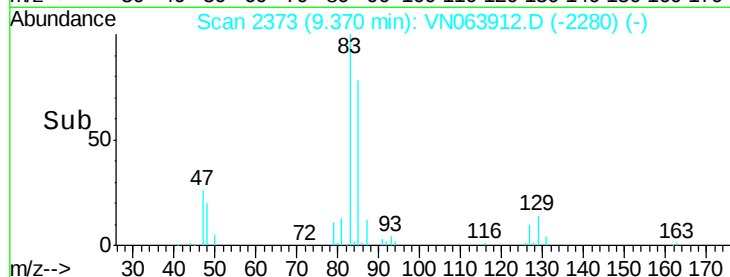
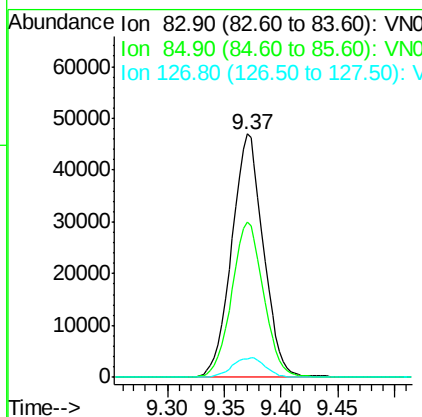
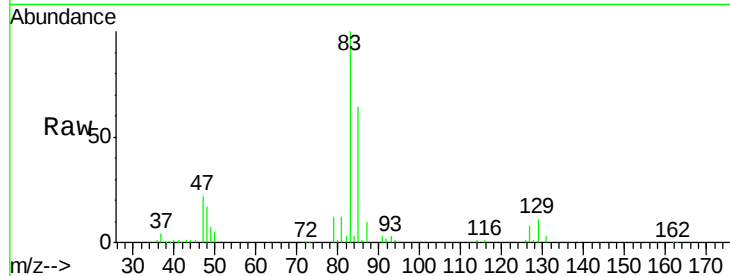
#47
Bromodichloromethane
Concen: 18.446 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	83	Resp	91640
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	7.8	6.6	9.8

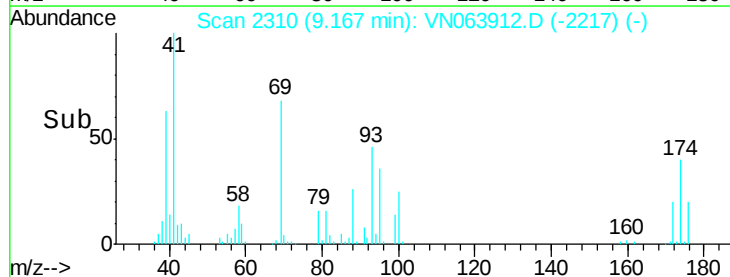
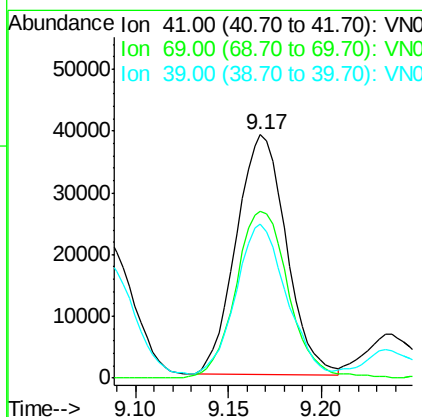
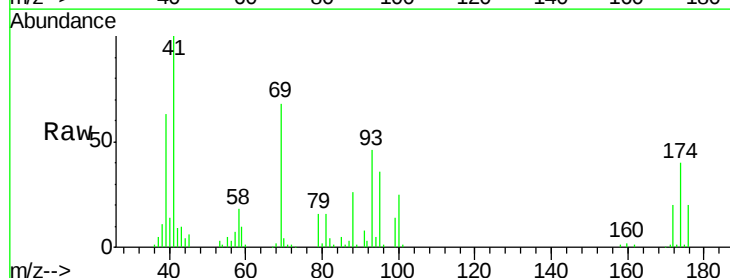
Manual Integrations
APPROVED

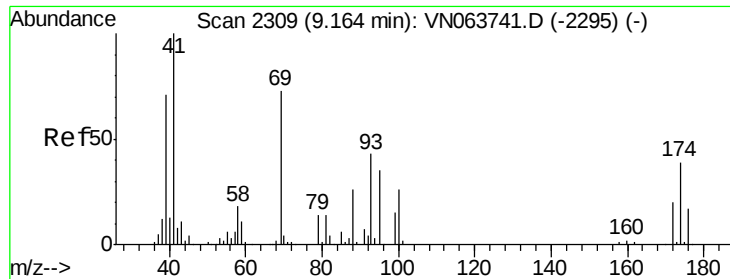
MMDadoda
10/7/2020 12:12:00 PM



#48
Methyl methacrylate
Concen: 20.012 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	41	Resp	73397
Ion Ratio	100	Lower	Upper
41	100		
69	73.3	60.9	91.3
39	64.8	57.5	86.3





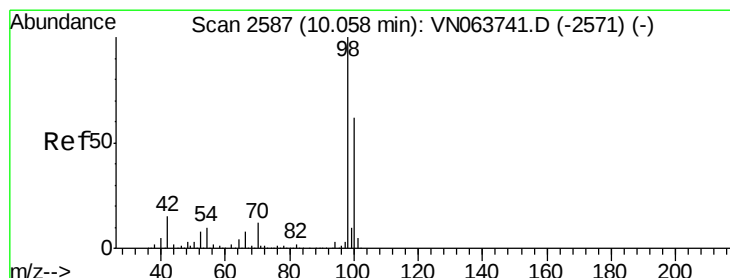
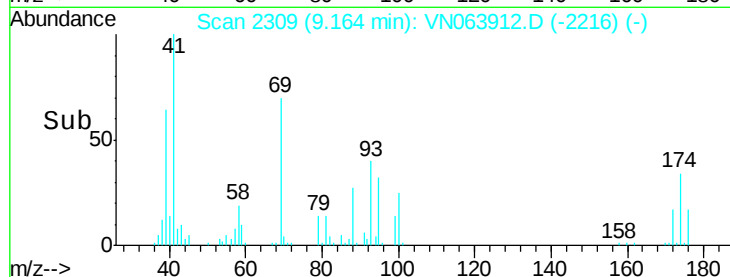
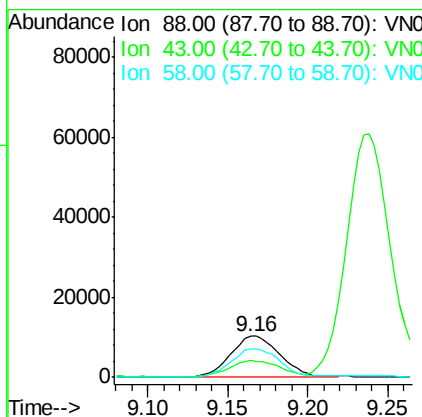
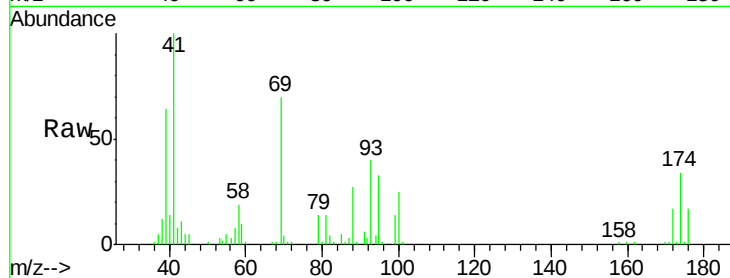
#49
1,4-Dioxane
Concen: 415.250 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.1	49.7
58	69.7	58.9	88.3

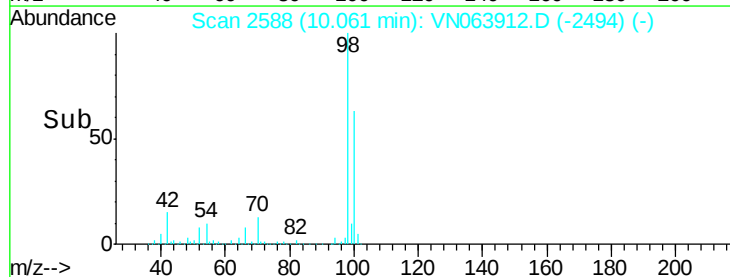
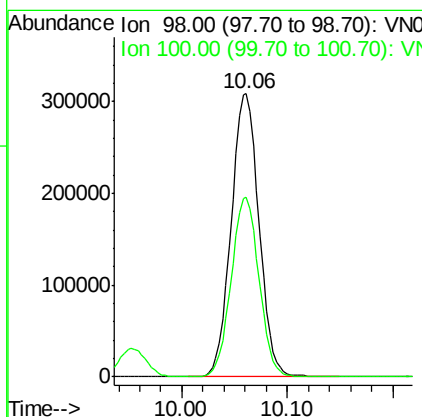
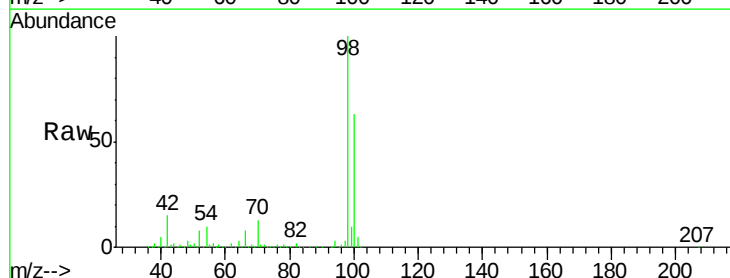
Manual Integrations
APPROVED

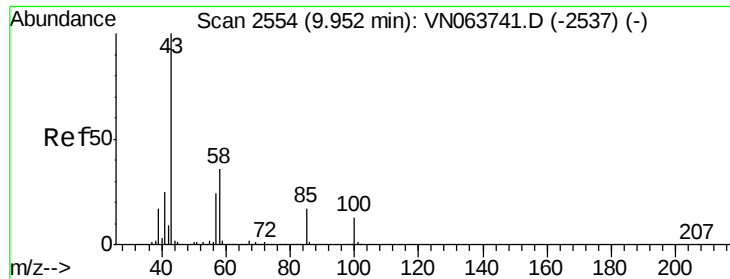
MMDadoda
10/7/2020 12:12:00 PM



#50
Toluene-d8
Concen: 47.851 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.6





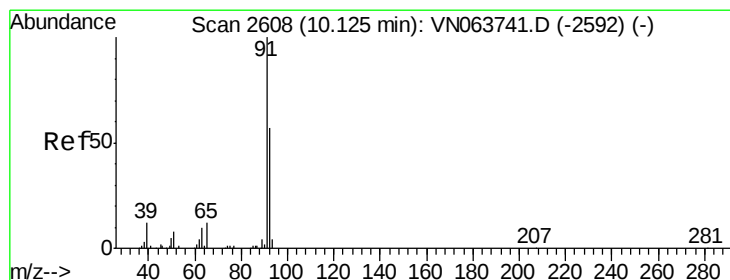
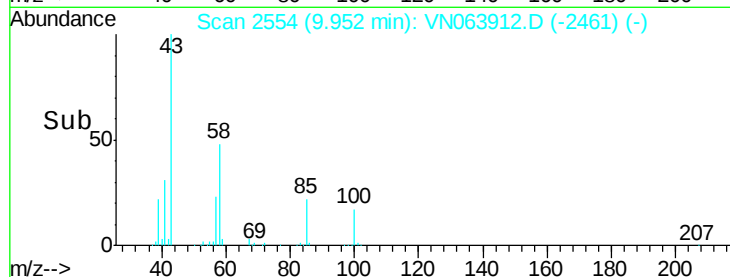
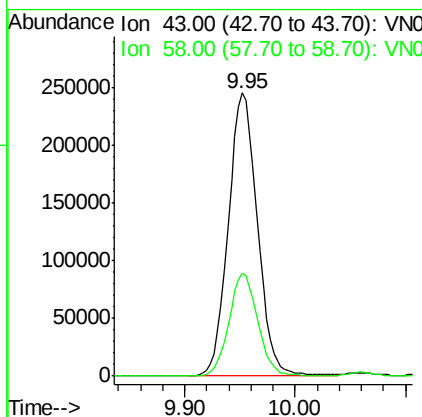
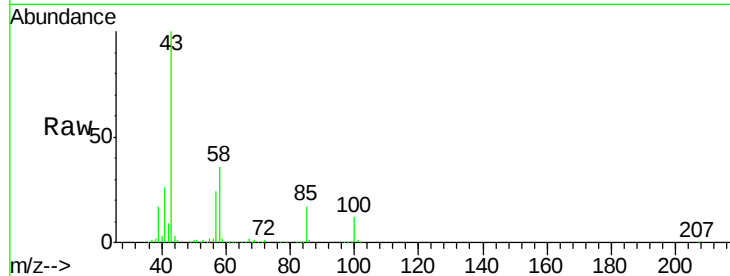
#51
4-Methyl-2-Pentanone
Concen: 102.977 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion	43	Resp	448612
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.4	42.6

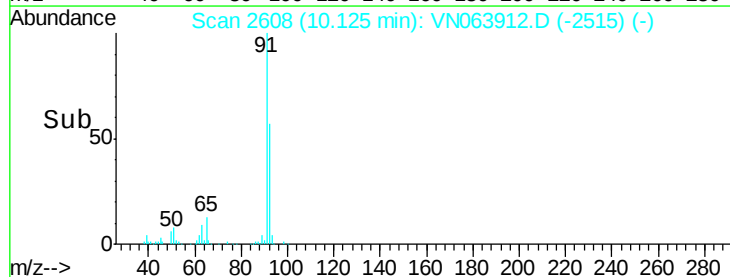
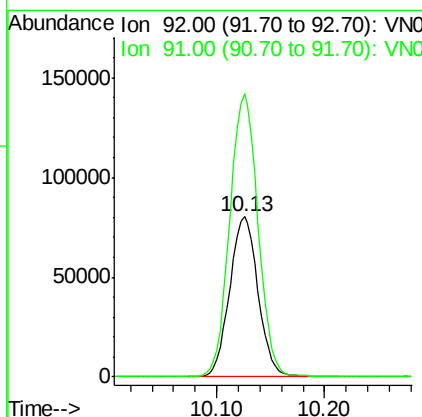
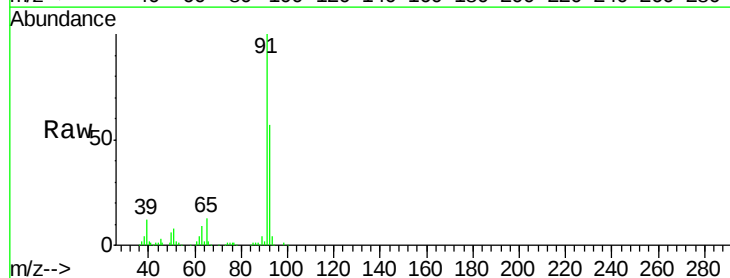
Manual Integrations
APPROVED

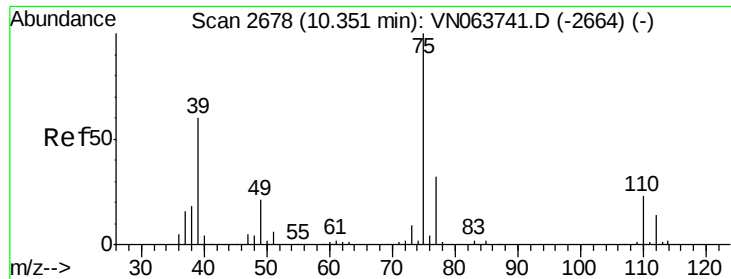
MMDadoda
10/7/2020 12:12:00 PM



#52
Toluene
Concen: 18.364 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	92	Resp	146966
Ion	Ratio	Lower	Upper
92	100		
91	175.6	140.6	210.8





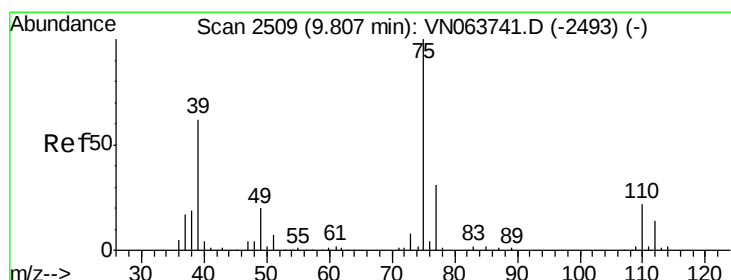
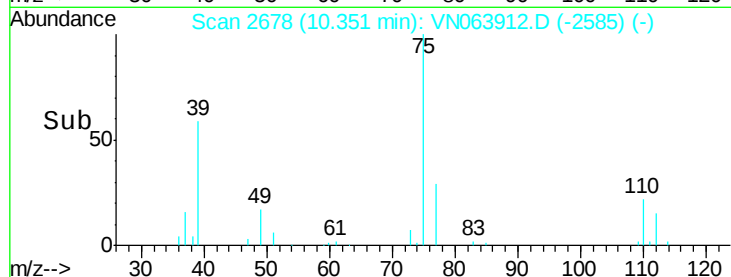
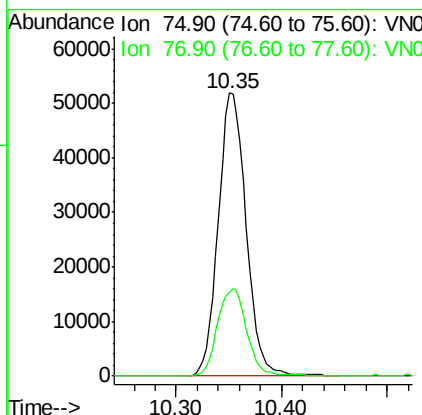
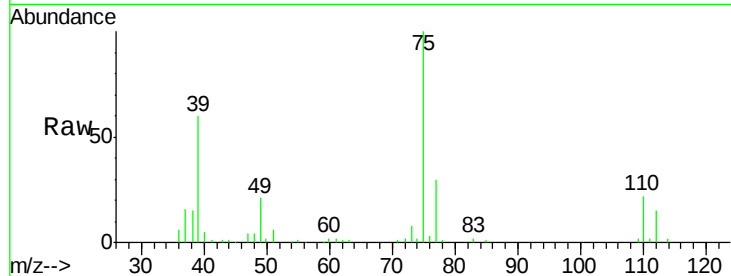
#53
t-1,3-Dichloropropene
Concen: 17.804 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion: 75 Resp: 94814
Ion Ratio Lower Upper
75 100
77 29.6 25.3 37.9

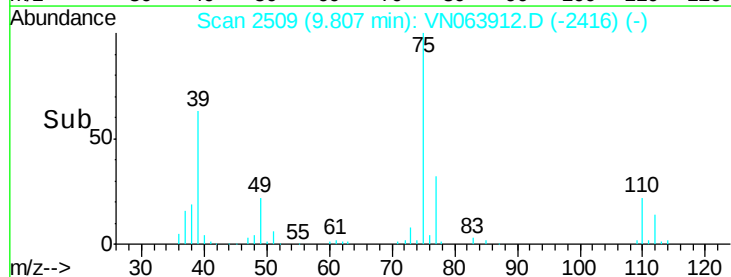
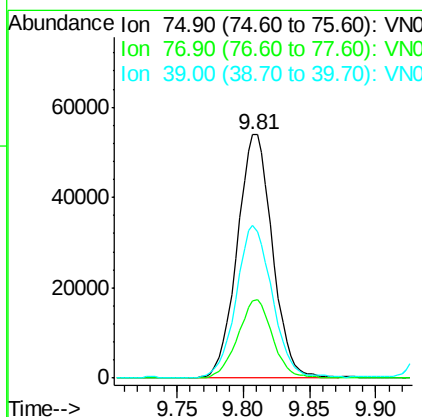
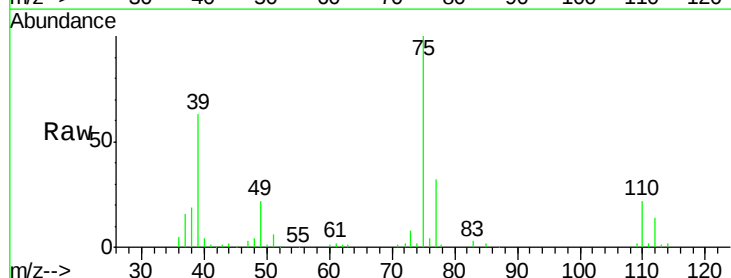
Manual Integrations
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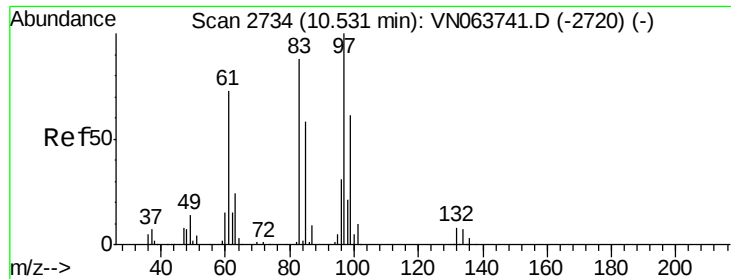
MMDadoda
10/7/2020 12:12:00 PM



#54
cis-1,3-Dichloropropene
Concen: 17.898 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion: 75 Resp: 99680
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 62.3 49.7 74.5





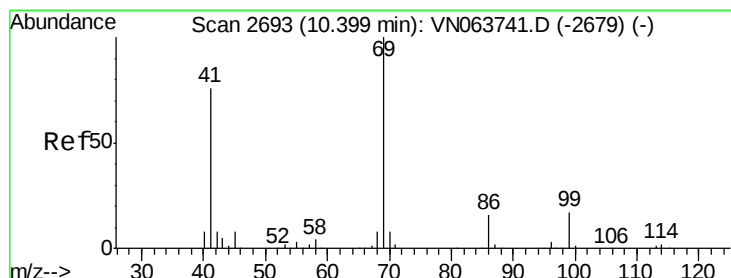
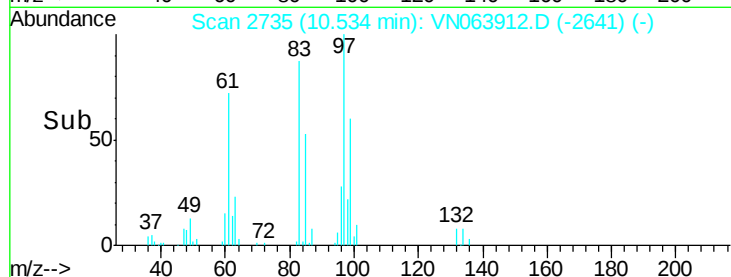
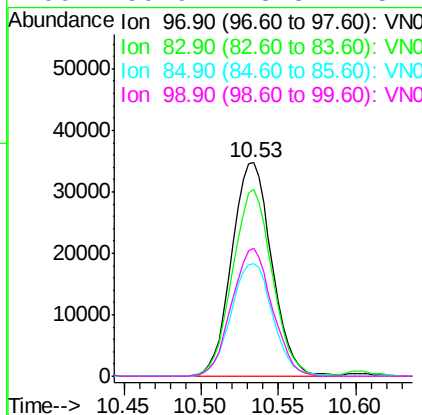
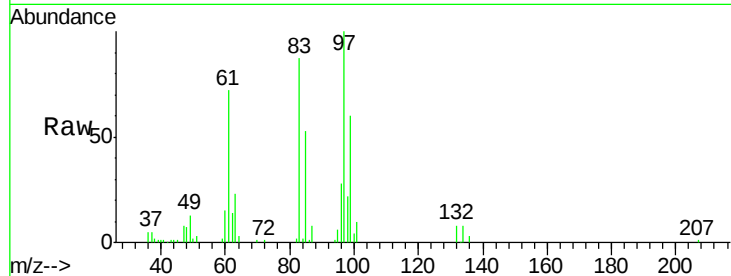
#55
 1,1,2-Trichloroethane
 Concen: 19.457 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		62446		
83	87.5	70.7	106.1		
85	52.8	46.1	69.1		
99	59.9	48.8	73.2		

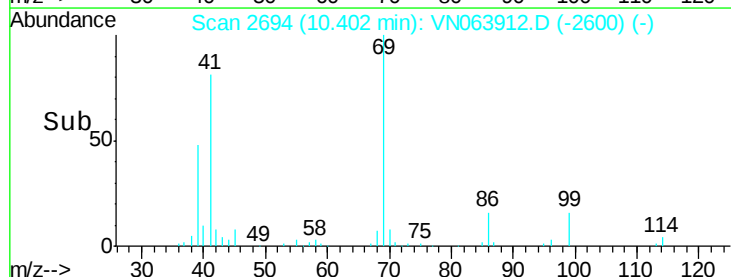
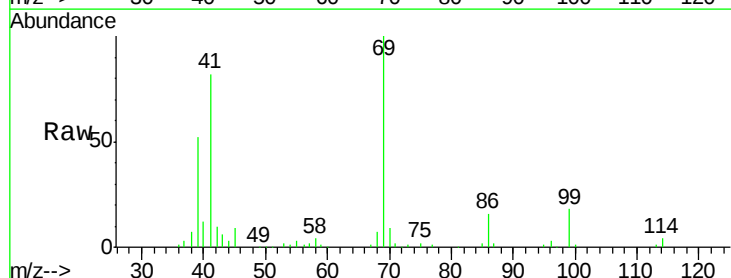
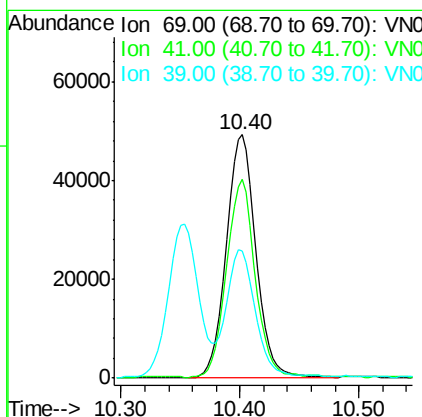
Manual Integrations
 APPROVED

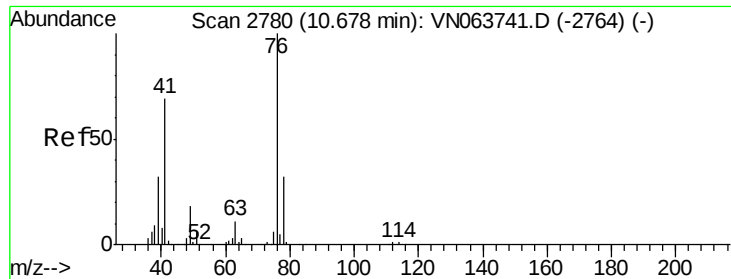
MMDadoda
 10/7/2020 12:12:00 PM



#56
 Ethyl methacrylate
 Concen: 18.709 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85111		
41	78.4	61.1	91.7		
39	49.2	42.2	63.4		





#57

1,3-Dichloropropane

Concen: 19.047 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 76 Resp: 103422

Ion Ratio Lower Upper

76 100

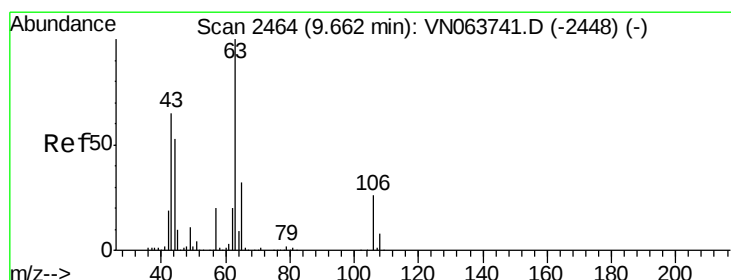
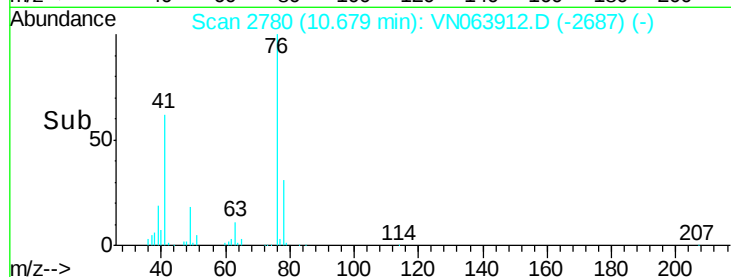
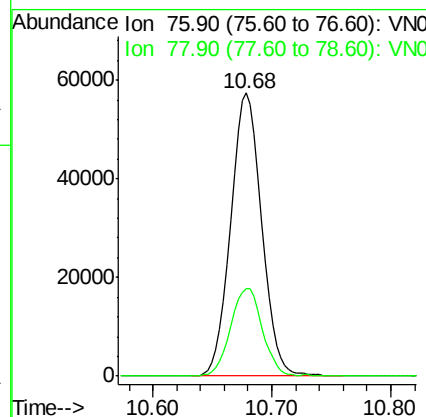
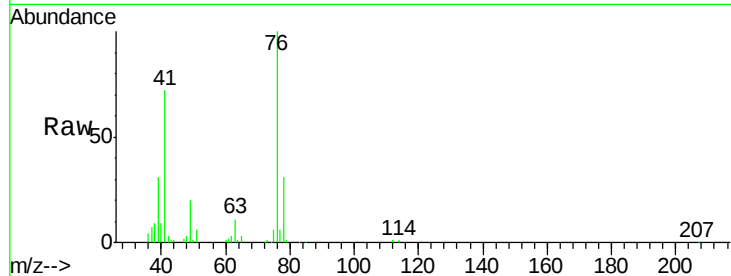
78 31.7 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:12:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.880 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063912.D

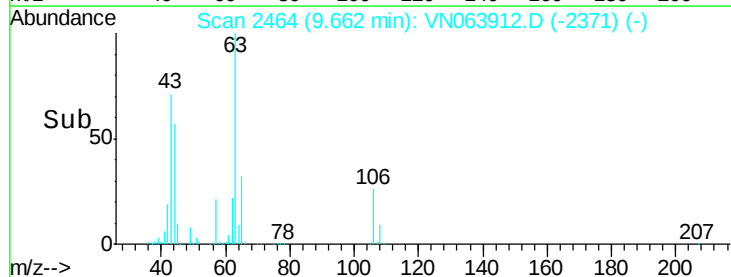
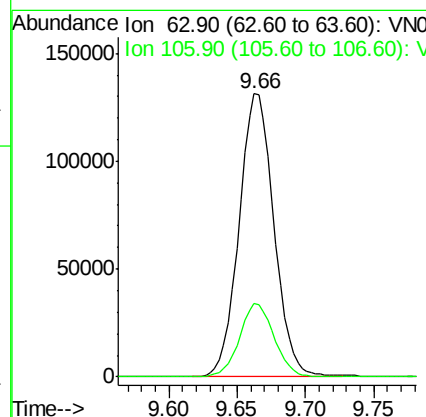
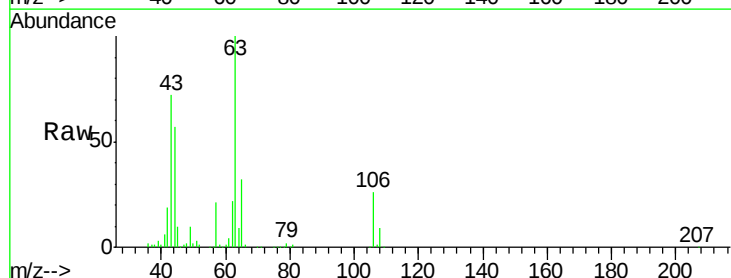
Acq: 6 Oct 2020 23:53

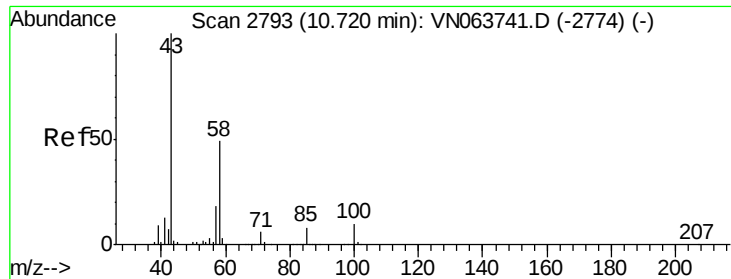
Tgt Ion: 63 Resp: 233319

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1





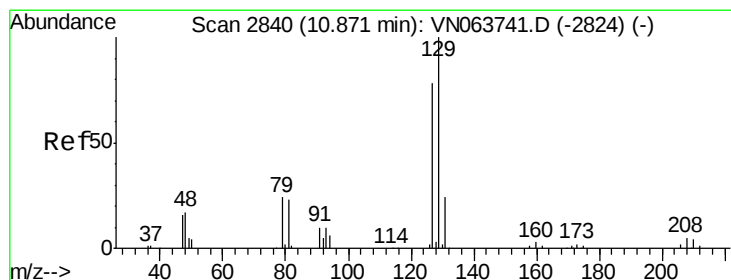
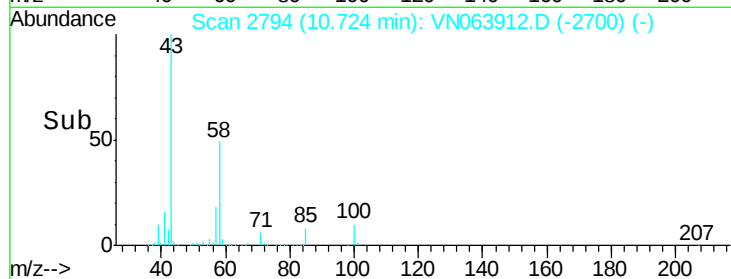
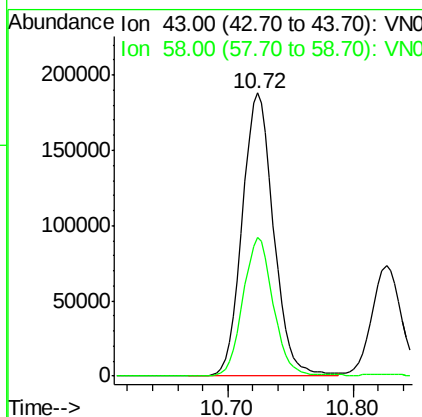
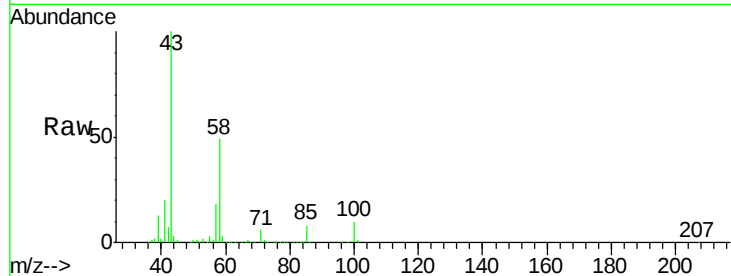
#59
2-Hexanone
Concen: 100.711 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion: 43 Resp: 325923
Ion Ratio Lower Upper
43 100
58 47.4 24.6 73.8

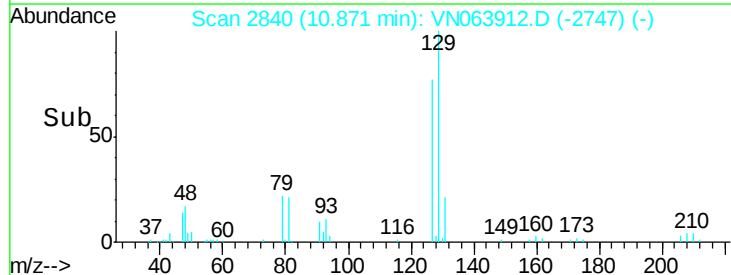
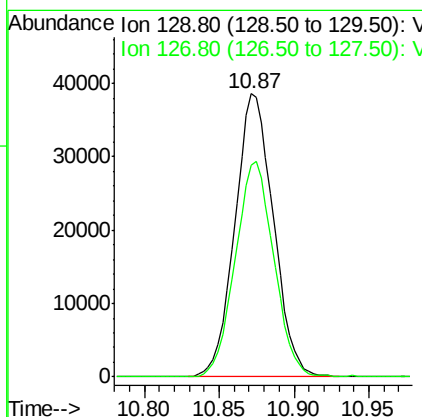
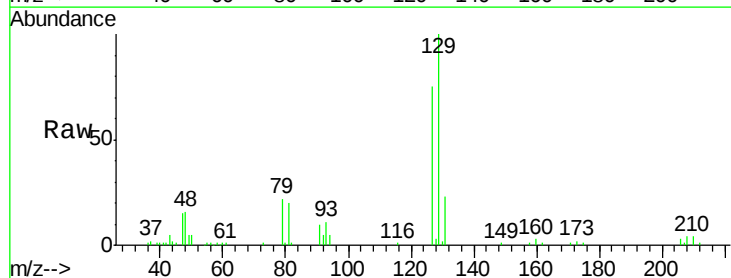
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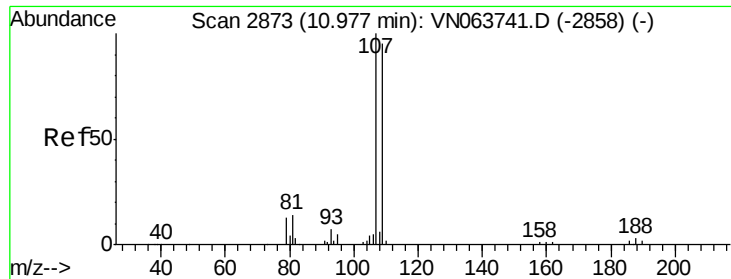
MMDadoda
10/7/2020 12:12:00 PM



#60
Dibromochloromethane
Concen: 18.479 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion: 129 Resp: 69067
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7





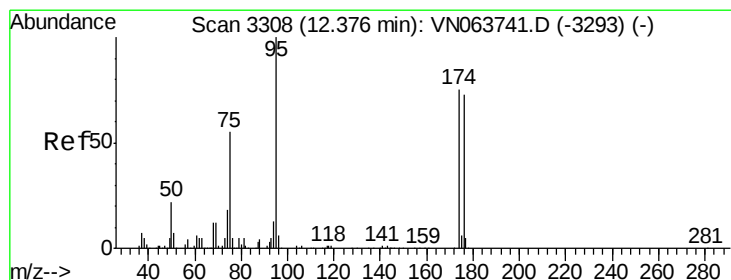
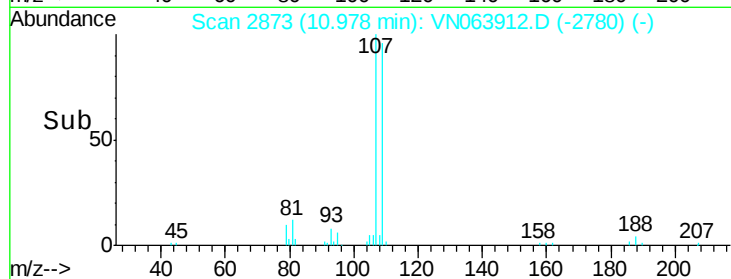
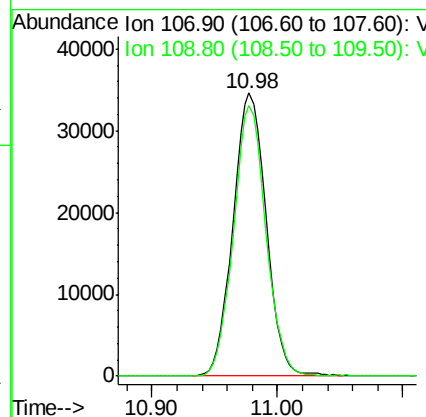
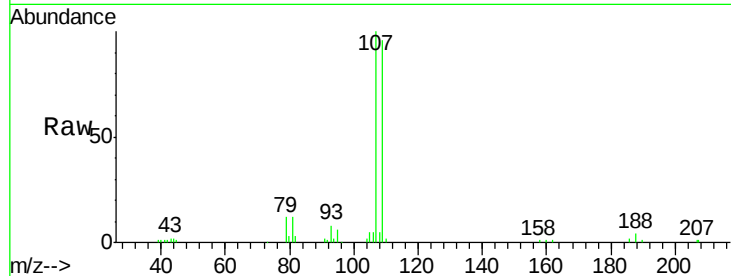
#61
 1,2-Dibromoethane
 Concen: 19.336 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS04

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.8	112.2

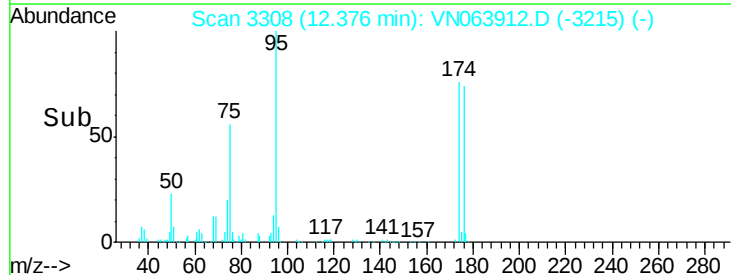
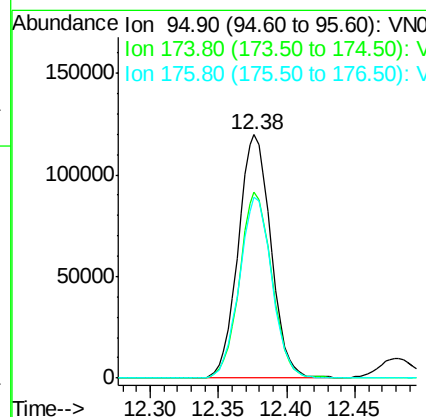
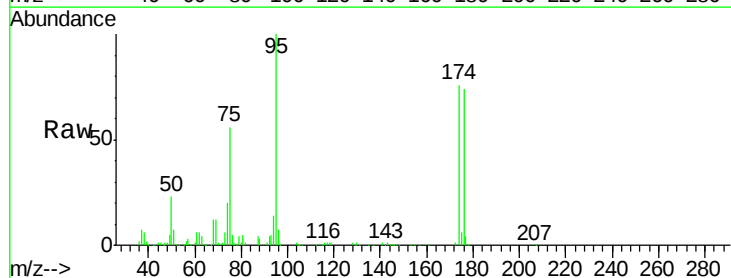
Manual Integrations
 APPROVED

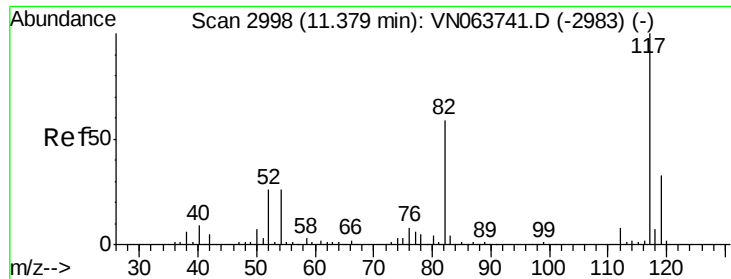
MMDadoda
 10/7/2020 12:12:00 PM



#62
 4-Bromofluorobenzene
 Concen: 45.060 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	74.0	0.0	145.4





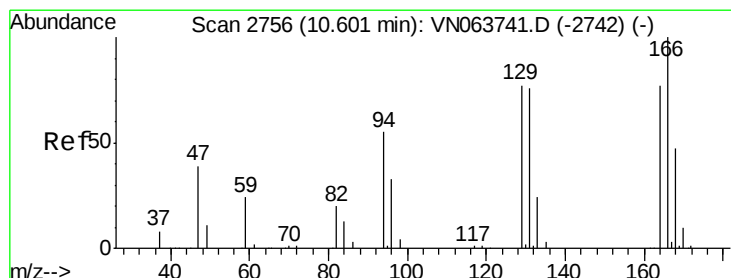
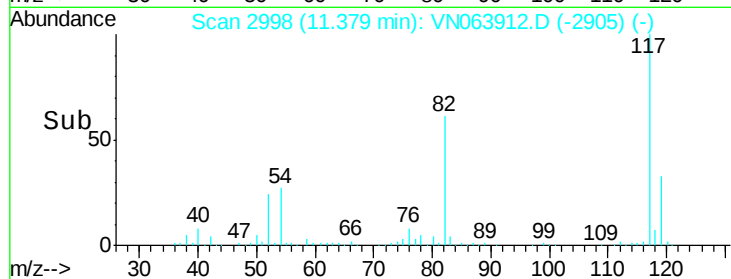
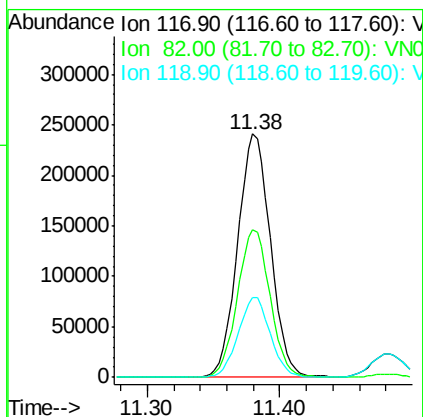
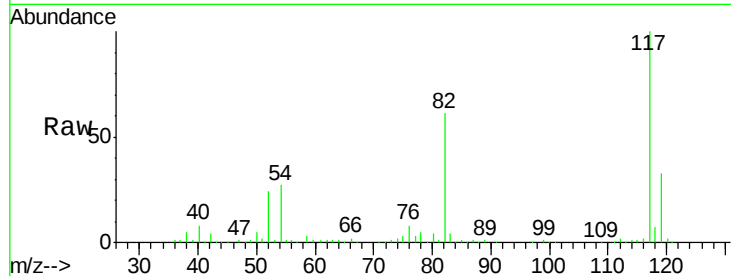
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	33.0	26.4	39.6

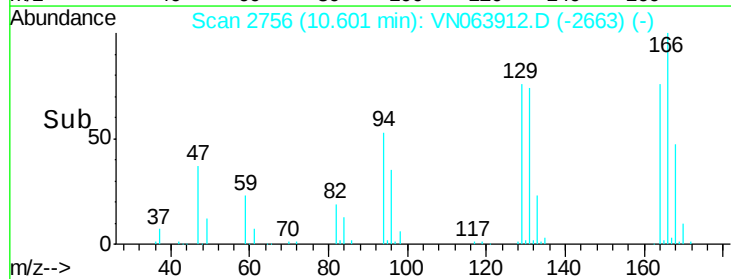
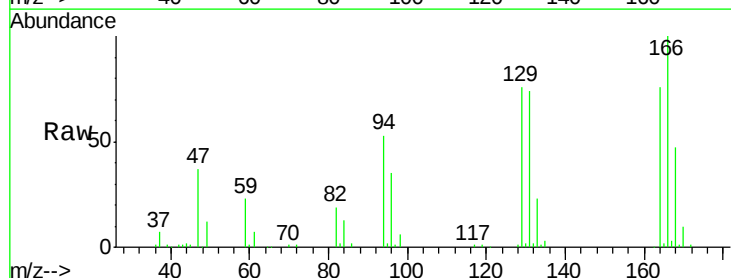
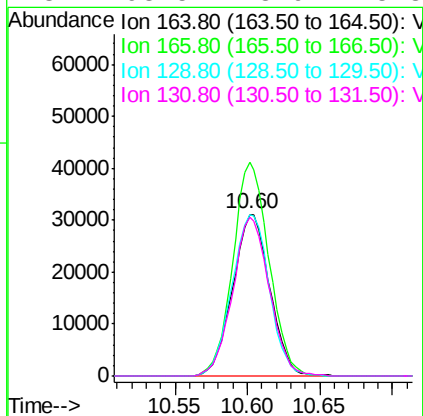
Manual Integrations
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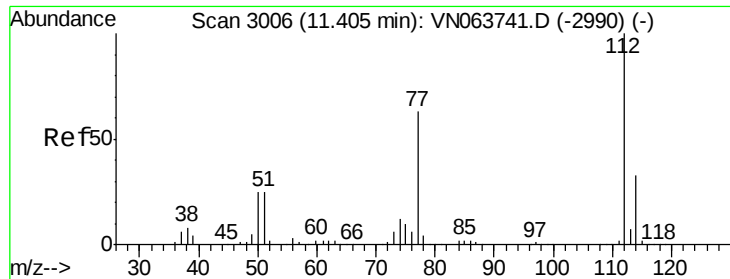
MMDadoda
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#64
Tetrachloroethene
Concen: 17.248 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	103.9	155.9
129	100.1	80.3	120.5
131	98.5	78.9	118.3





#65

Chlorobenzene

Concen: 17.952 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampled :

VN1006WBS04

Tot Ion:112 Resp: 152778

Ion Ratio Lower Upper

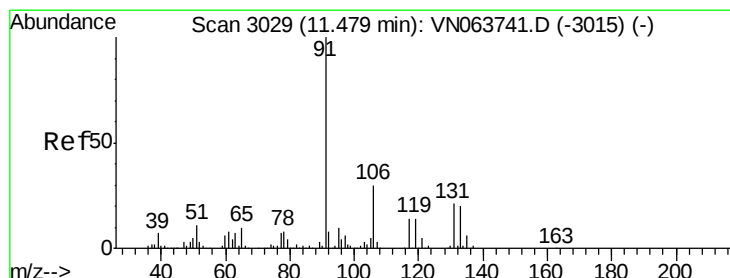
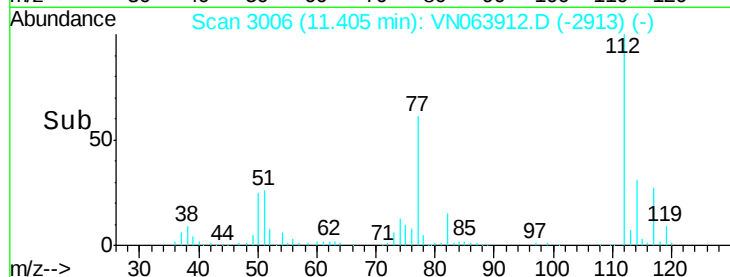
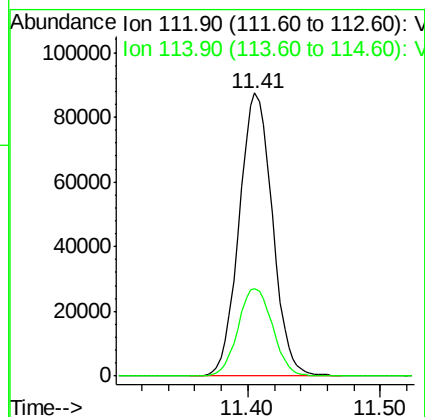
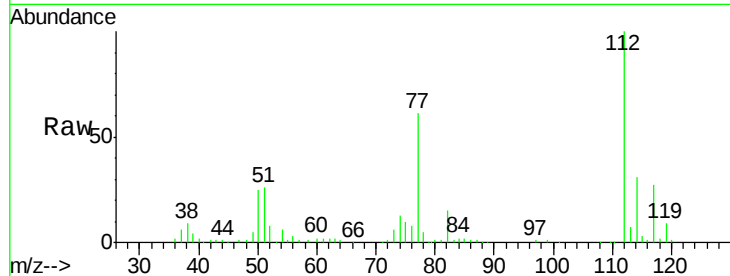
112 100

114 30.8 26.1 39.1

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.811 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

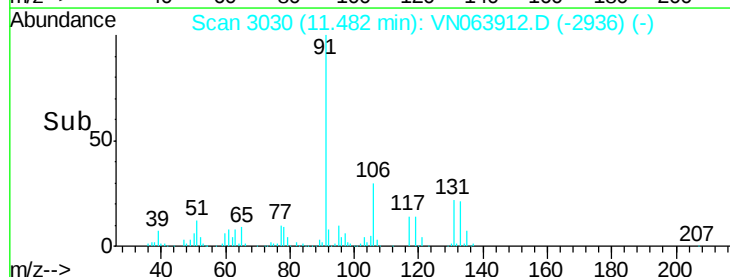
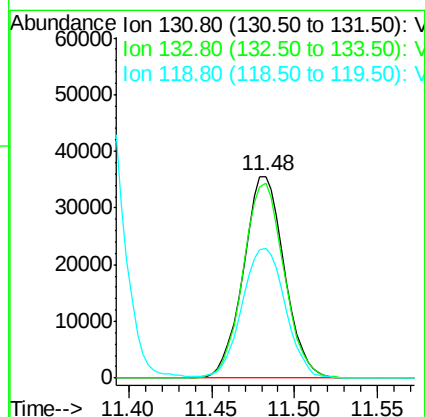
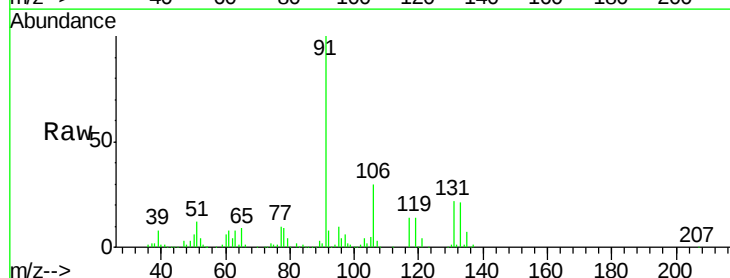
Tgt Ion:131 Resp: 61374

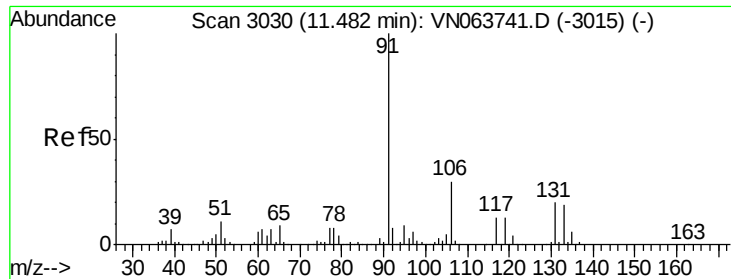
Ion Ratio Lower Upper

131 100

133 96.5 47.3 141.8

119 68.1 32.6 97.7





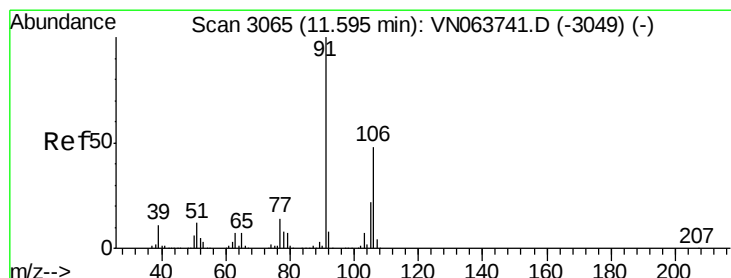
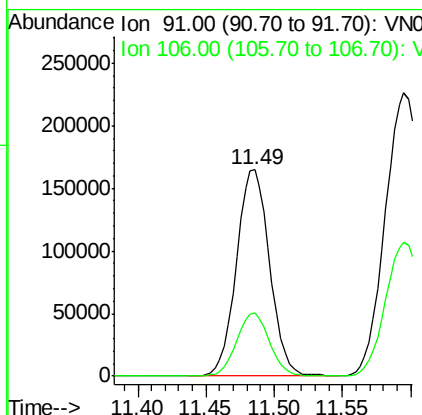
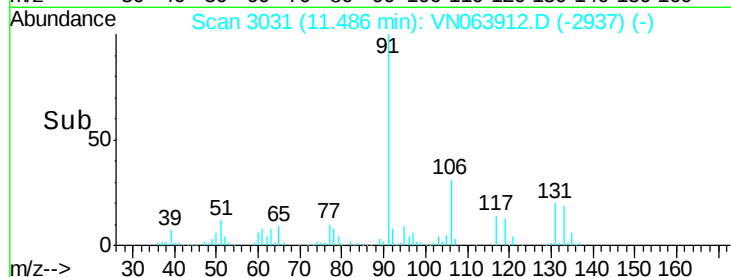
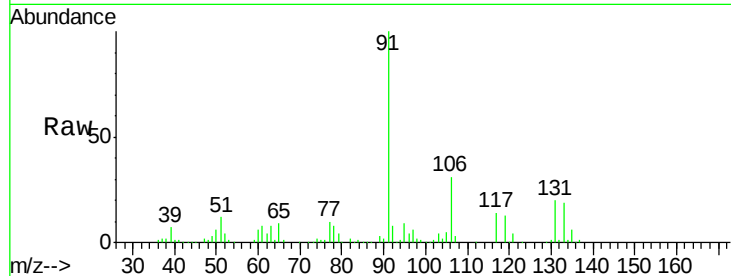
#67
Ethyl Benzene
Concen: 17.977 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion: 91 Resp: 278395
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

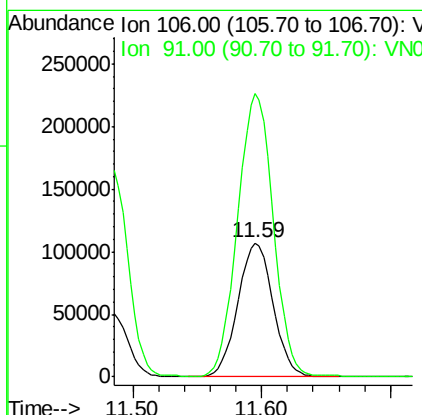
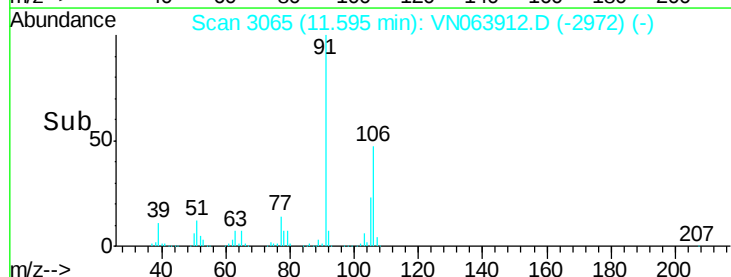
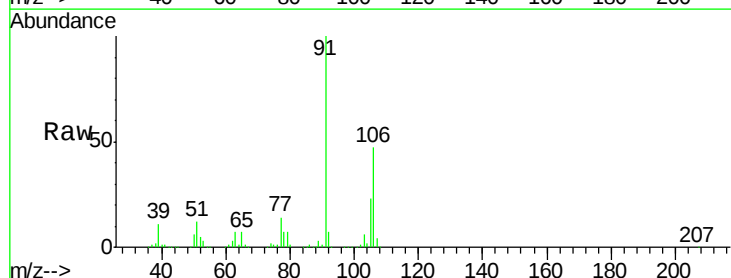
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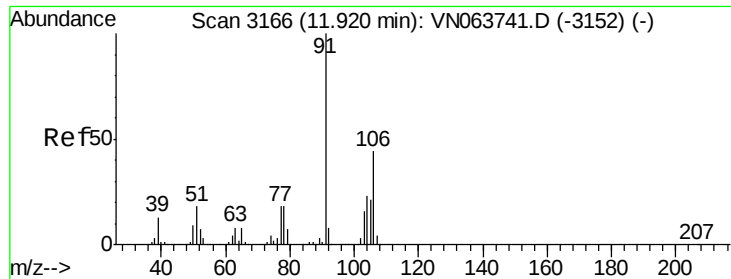
MMDadoda
10/7/2020 12:12:00 PM



#68
m/p-Xylenes
Concen: 35.109 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion: 106 Resp: 202635
Ion Ratio Lower Upper
106 100
91 214.6 168.0 252.0





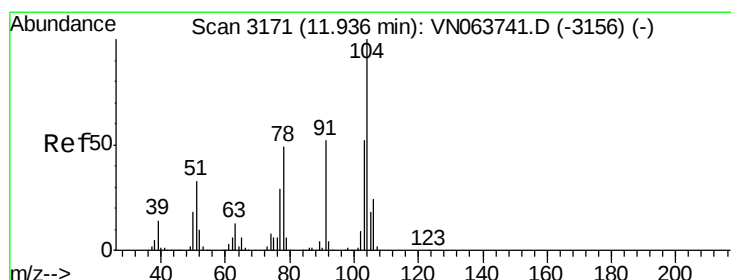
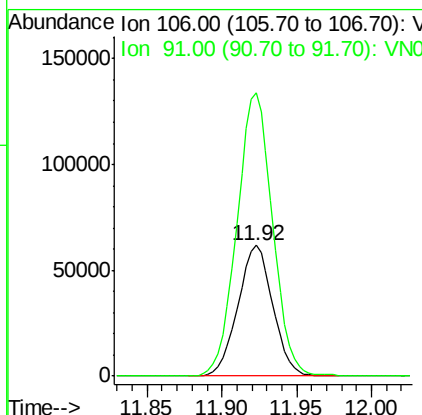
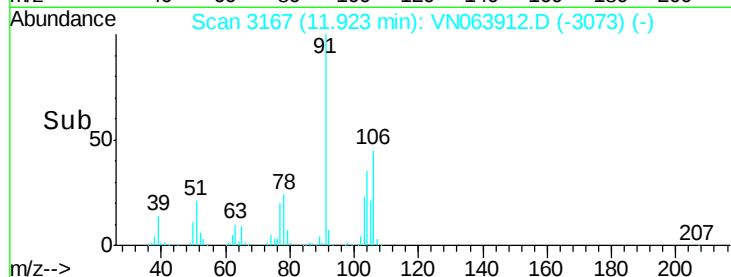
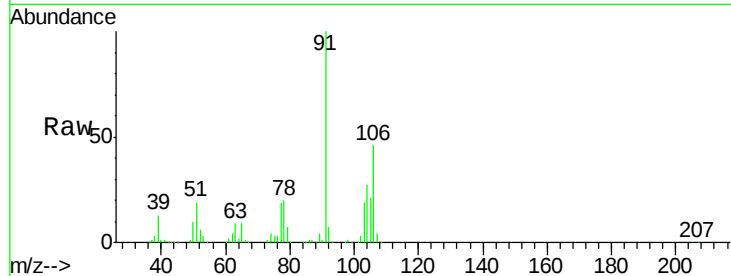
#69
o-Xylene
Concen: 18.594 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion:106 Resp: 100302
Ion Ratio Lower Upper
106 100
91 220.7 112.7 338.0

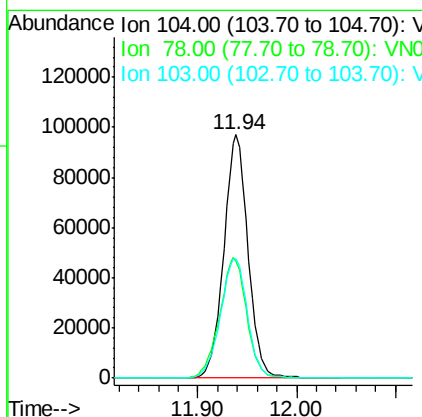
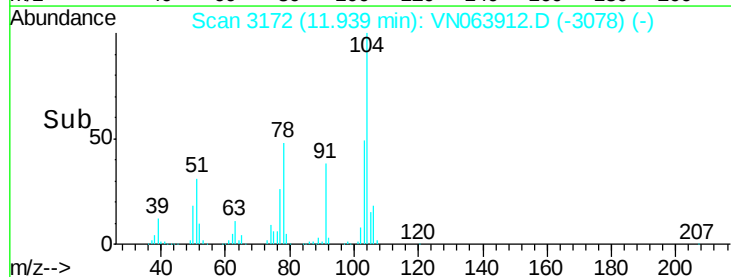
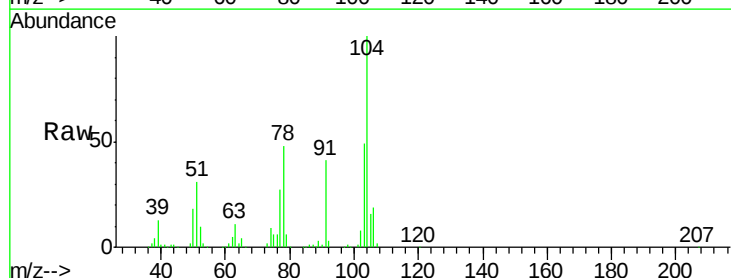
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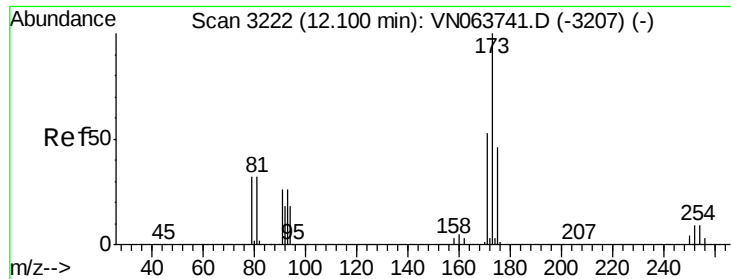
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#70
Styrene
Concen: 18.259 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion:104 Resp: 167201
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 54.5 44.3 66.5





#71

Bromoform

Concen: 18.691 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

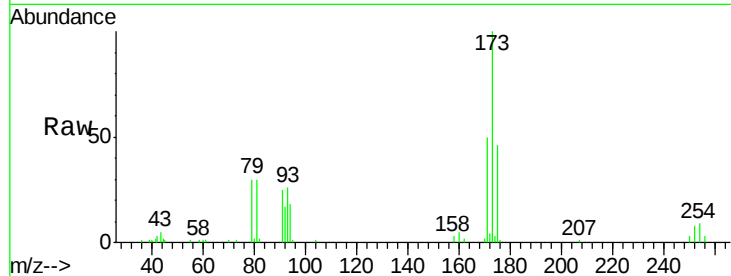
ClientSampleId :

VN1006WBS04

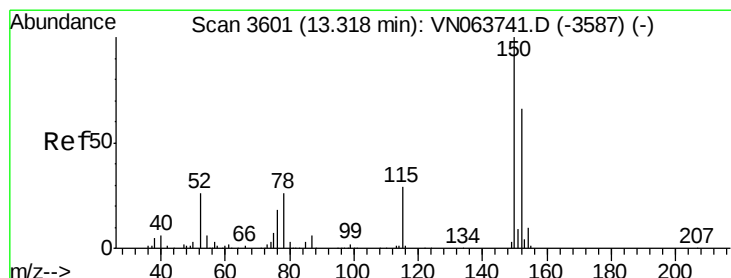
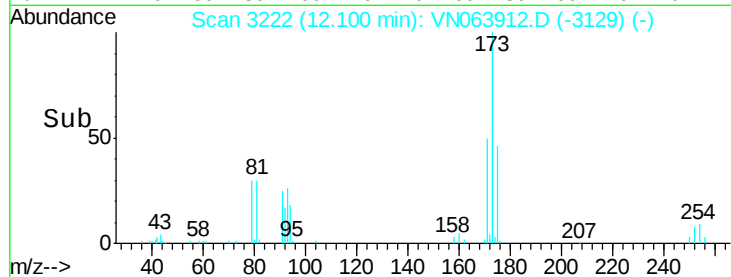
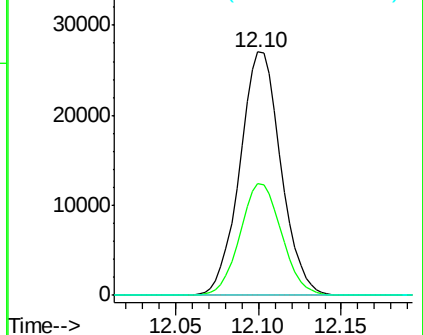
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	46.5	23.5	70.5	
254	0.0	0.0	0.0	

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

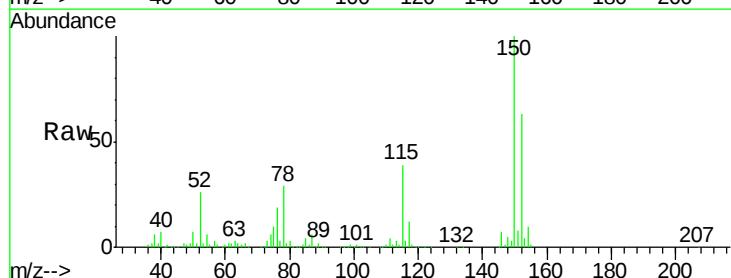
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

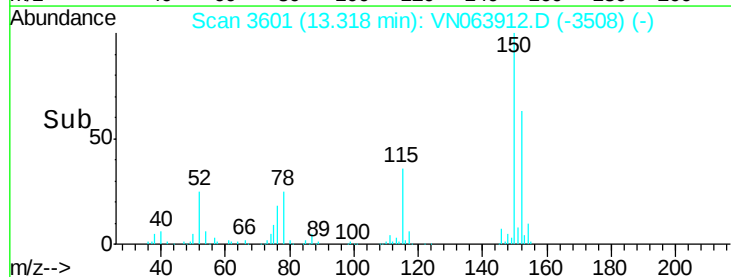
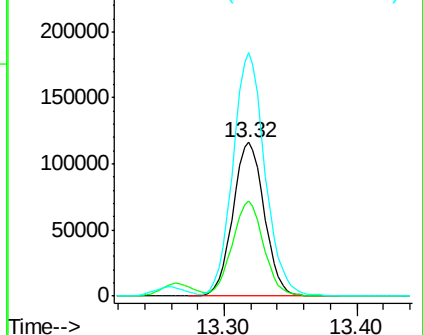
Lab File: VN063912.D

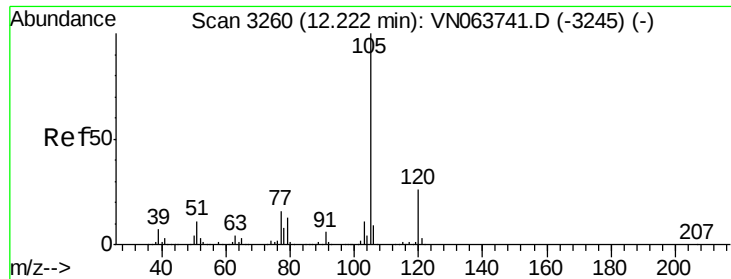
Acq: 6 Oct 2020 23:53

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	61.2	31.3	93.8	
150	160.9	0.0	341.8	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.690 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 105 Resp: 261381

Ion Ratio Lower Upper

105 100

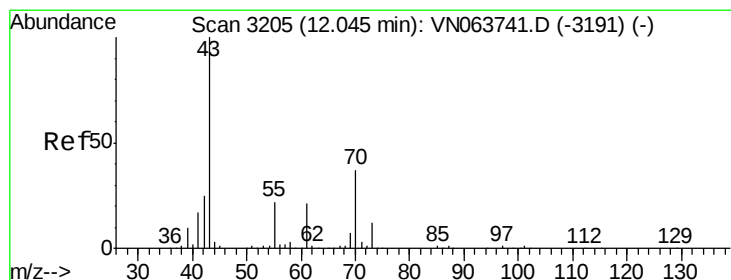
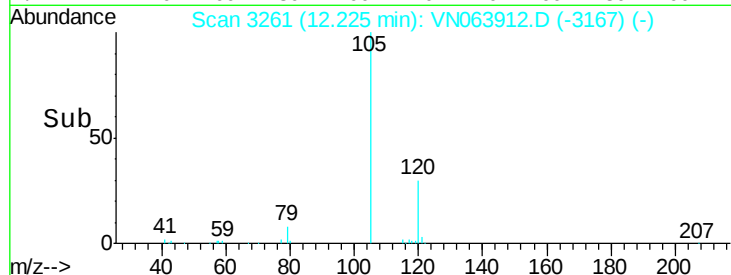
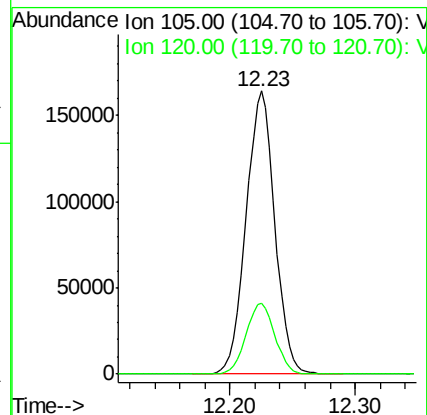
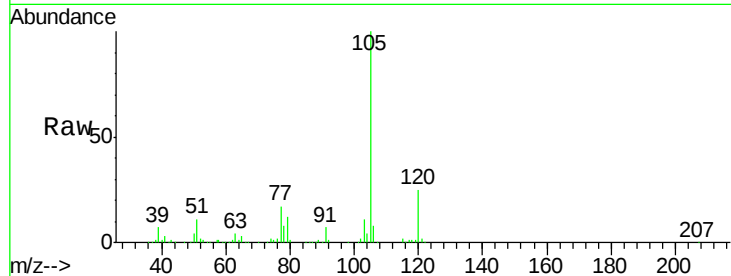
120 25.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.596 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion: 43 Resp: 118209

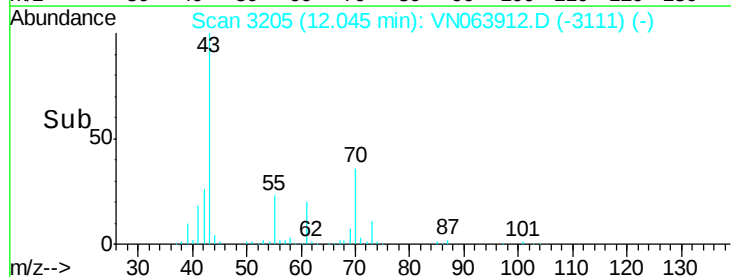
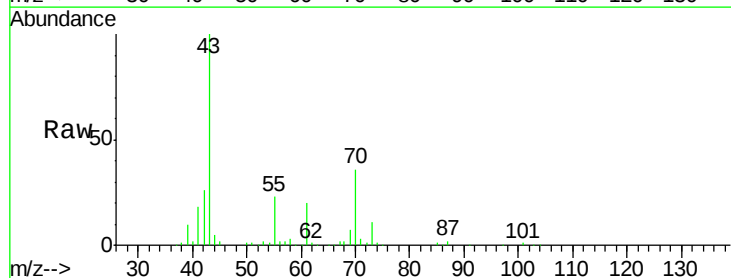
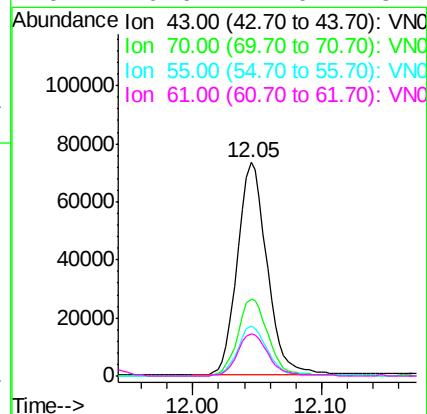
Ion Ratio Lower Upper

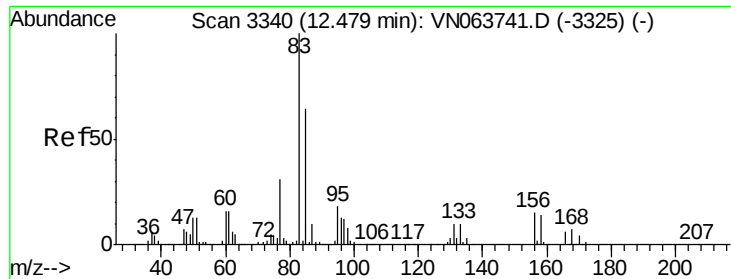
43 100

70 37.2 29.8 44.8

55 23.7 17.9 26.9

61 20.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.021 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

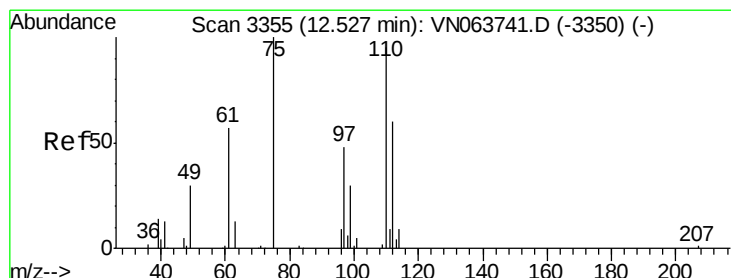
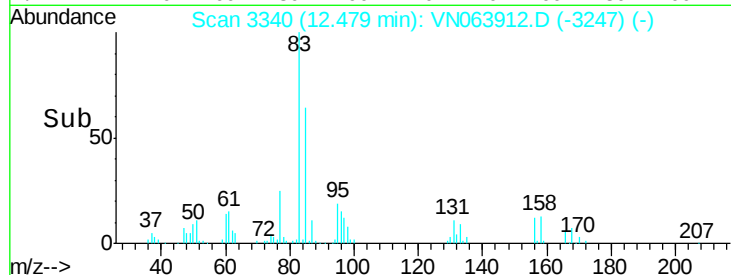
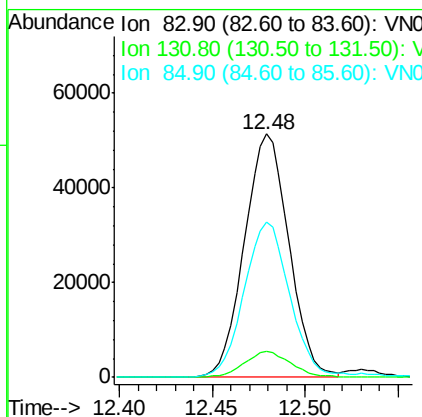
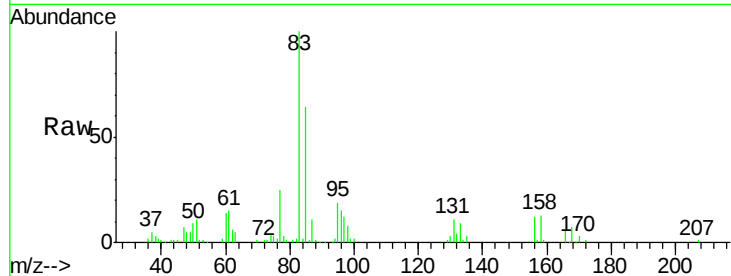
ClientSampleId :

VN1006WBS04

Tot Ion:	83	Resp:	85620
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	15.8
85	65.6	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.205 ug/l m

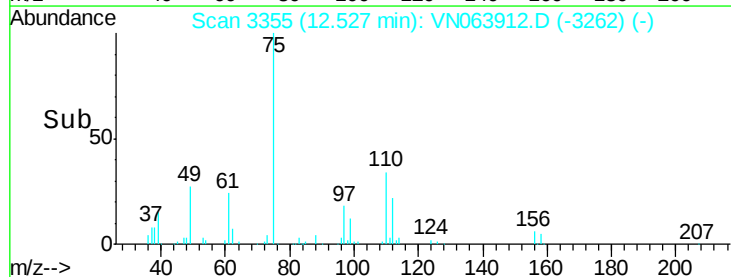
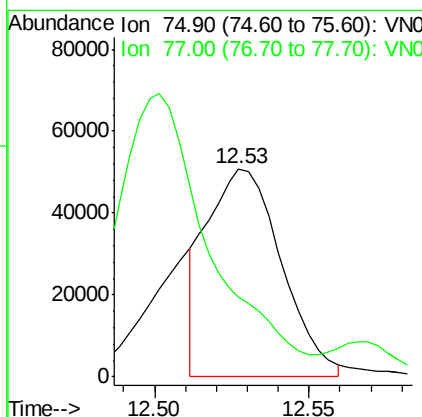
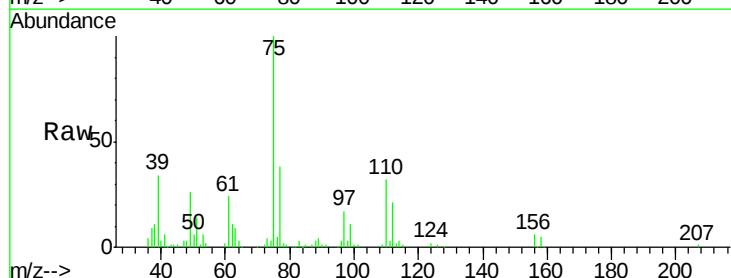
RT: 12.53 min Scan# 3355

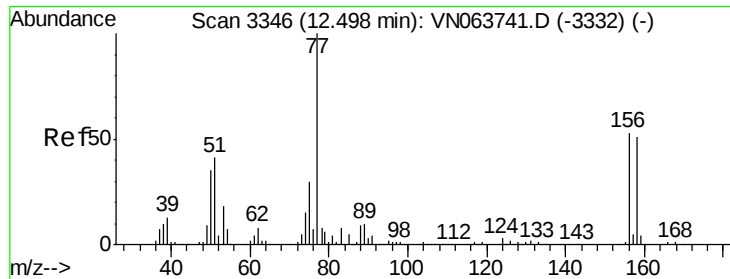
Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	75	Resp:	85401
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.211 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion:156 Resp: 65925

Ion Ratio Lower Upper

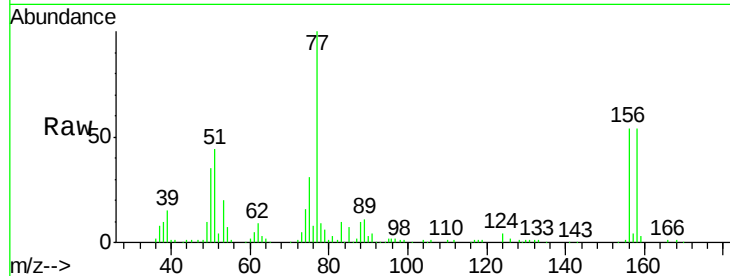
156 100

77 223.4 110.9 332.7

158 97.4 47.7 143.1

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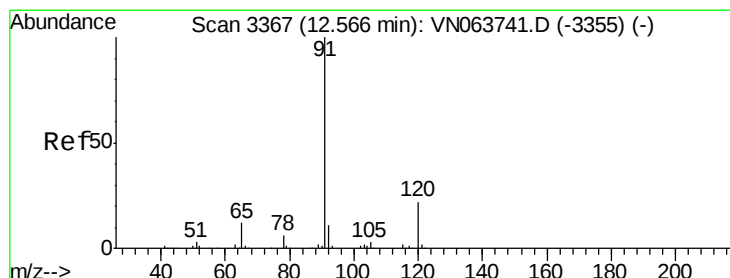
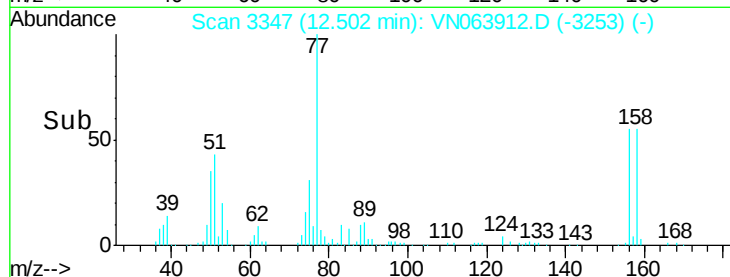
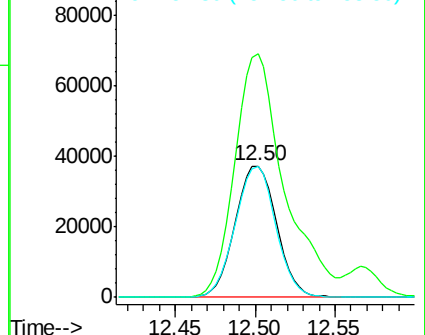
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.080 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063912.D

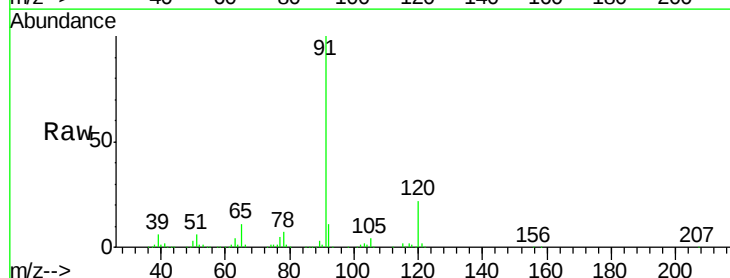
Acq: 6 Oct 2020 23:53

Tgt Ion: 91 Resp: 294276

Ion Ratio Lower Upper

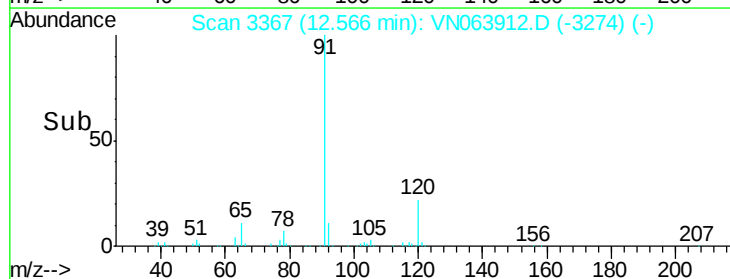
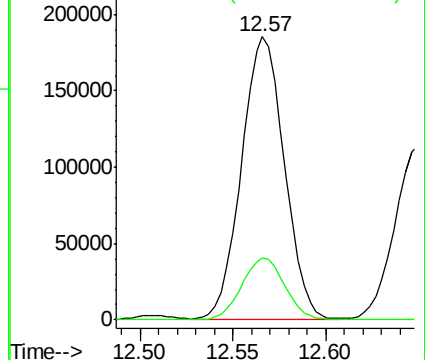
91 100

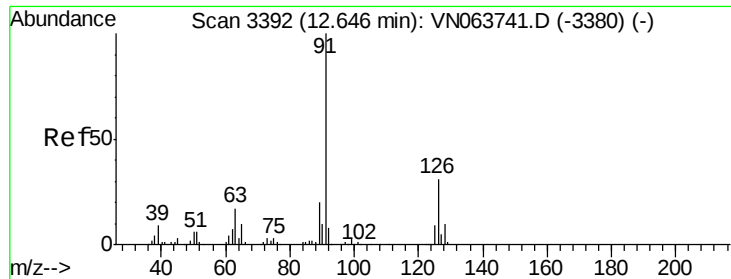
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.792 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion: 91 Resp: 188113

Ion Ratio Lower Upper

91 100

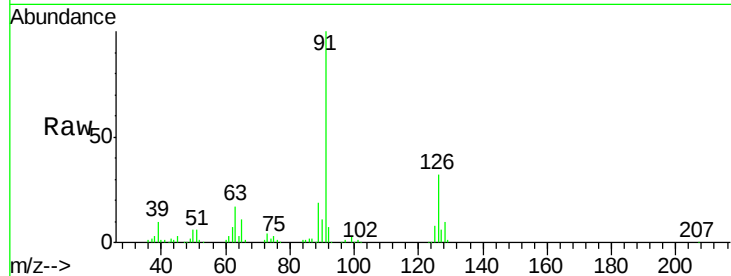
126 32.3 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN063912.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN063912.D (-3299) (-)

200000

150000

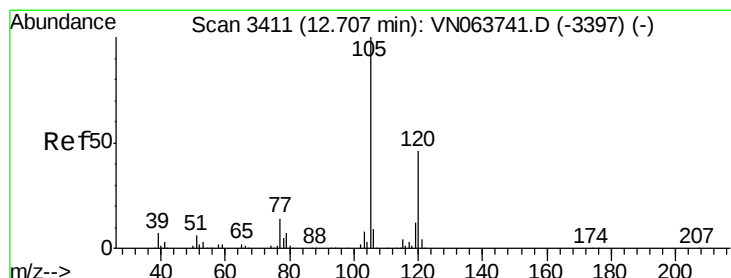
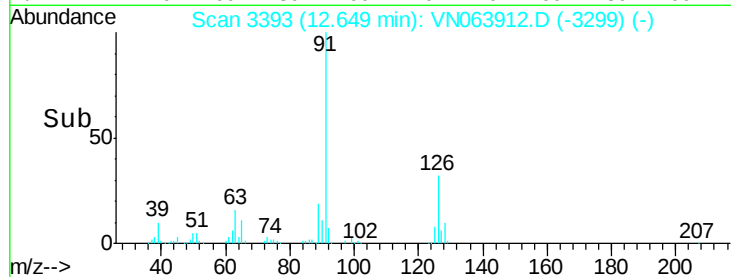
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.689 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063912.D

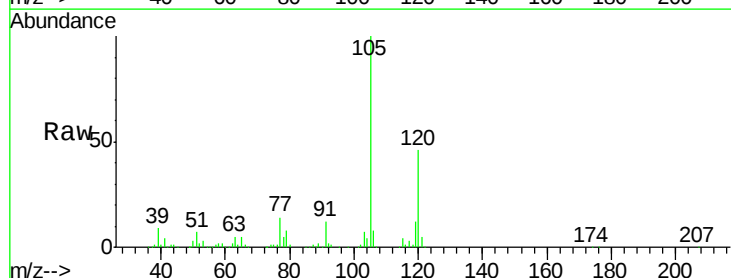
Acq: 6 Oct 2020 23:53

Tgt Ion:105 Resp: 219279

Ion Ratio Lower Upper

105 100

120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063912.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063912.D (-3318) (-)

150000

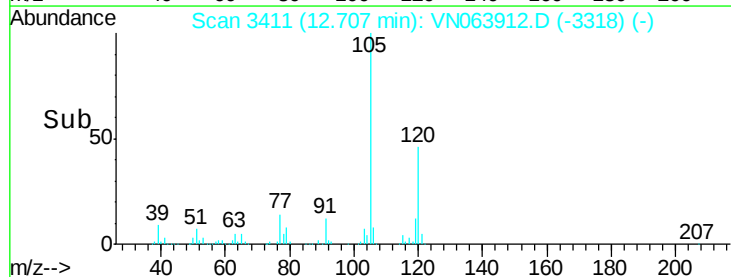
100000

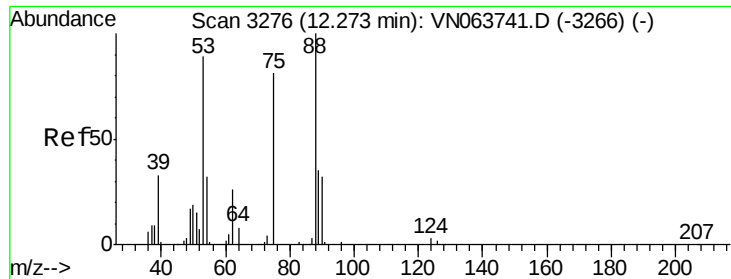
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.503 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

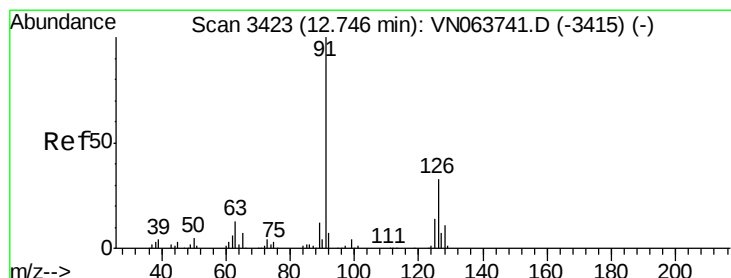
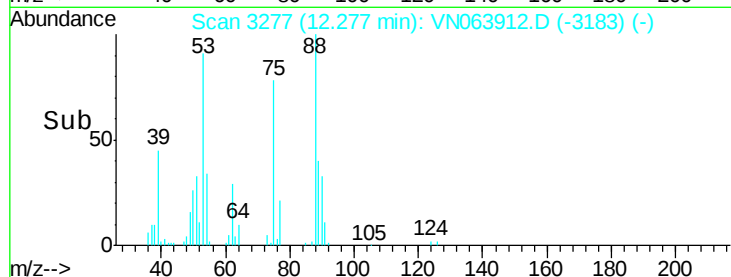
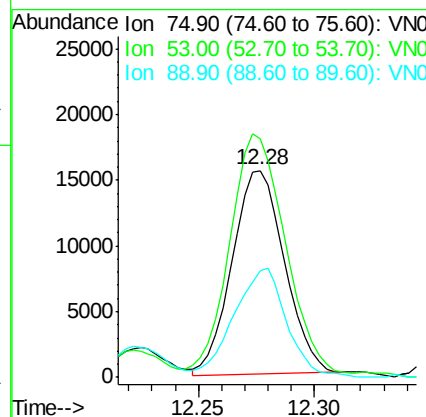
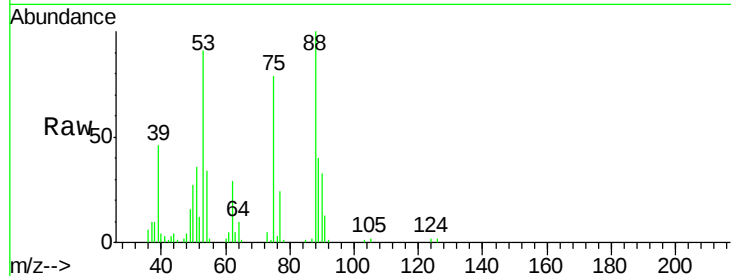
ClientSampled :

VN1006WBS04

Tot Ion:	75	Resp:	24218
Ion Ratio	Lower	Upper	
75	100		
53	125.3	88.2	132.2
89	54.6	36.0	54.0#

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#82

4-Chlorotoluene

Concen: 18.579 ug/l

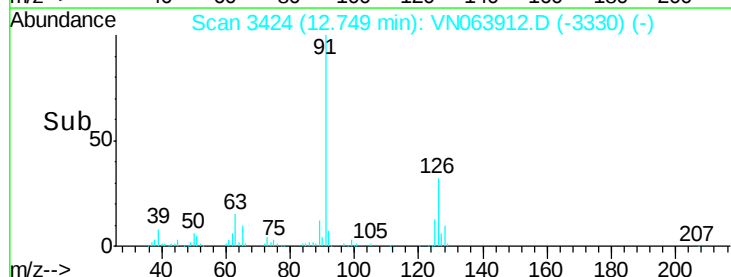
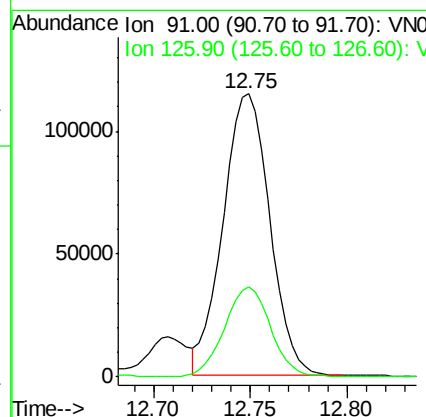
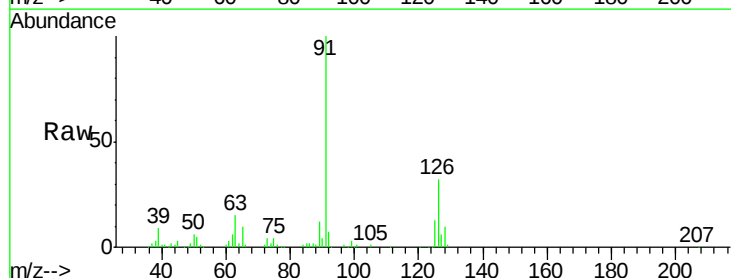
RT: 12.75 min Scan# 3424

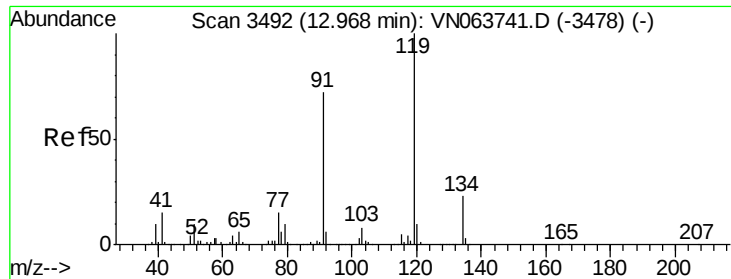
Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Tgt Ion:	91	Resp:	193068
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.4	46.2





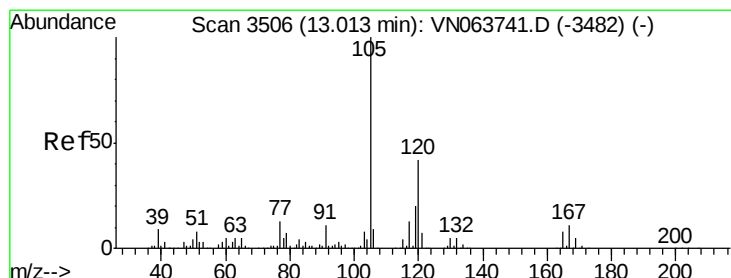
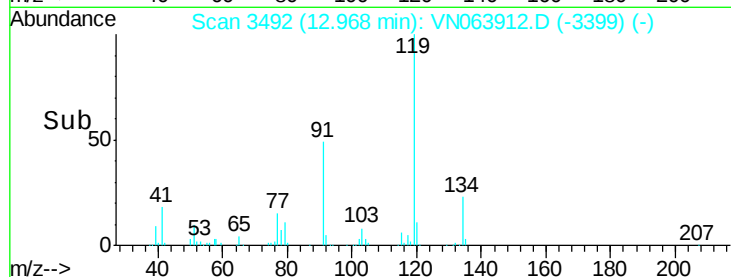
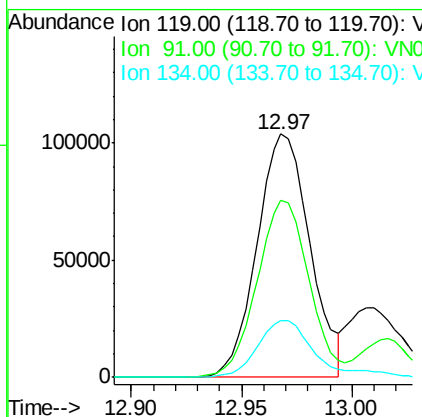
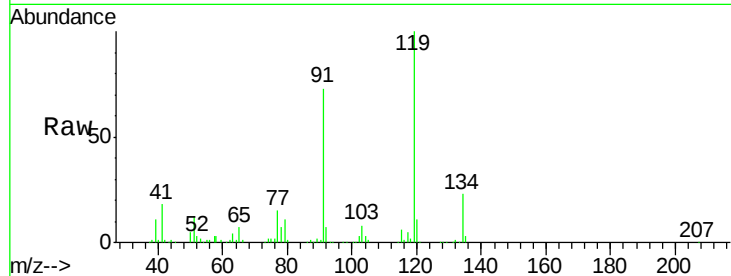
#83
tert-Butylbenzene
Concen: 17.942 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	35.5	106.5
134	23.8	11.7	35.1

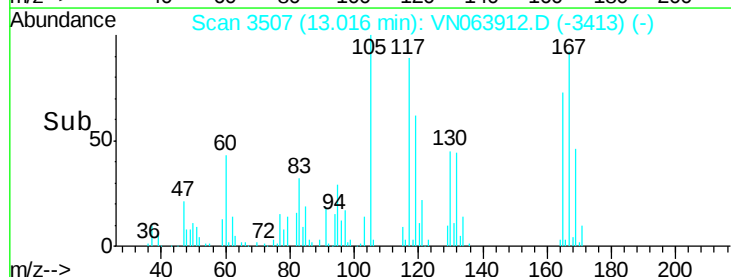
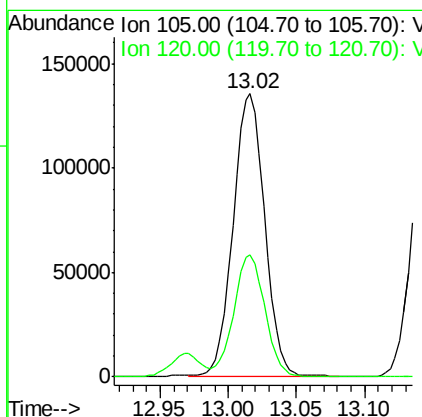
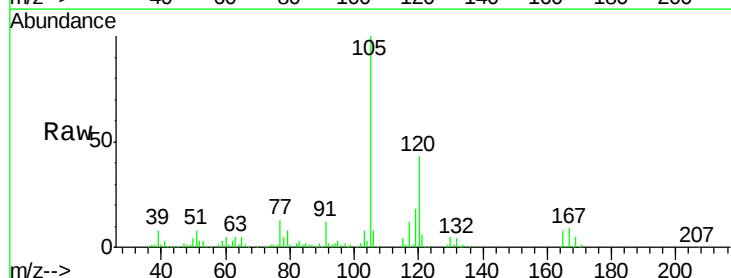
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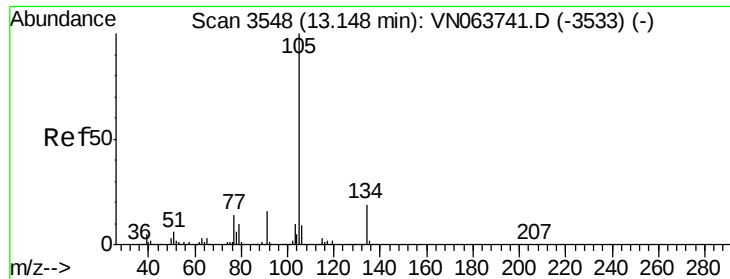
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#84
1,2,4-Trimethylbenzene
Concen: 18.465 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	20.9	62.7





#85

sec-Butylbenzene

Concen: 17.986 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS04

Tot Ion:105 Resp: 226729

Ion Ratio Lower Upper

105 100

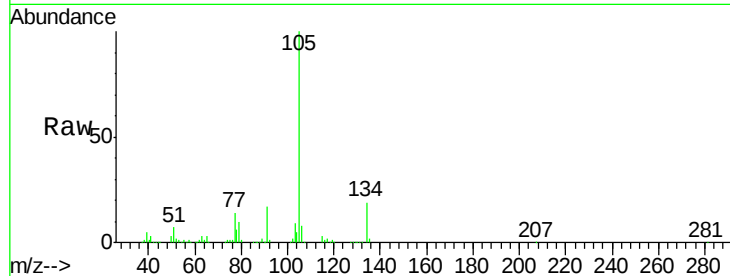
134 18.7 9.5 28.5

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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

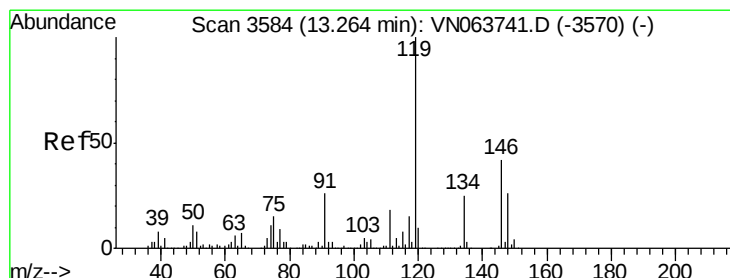
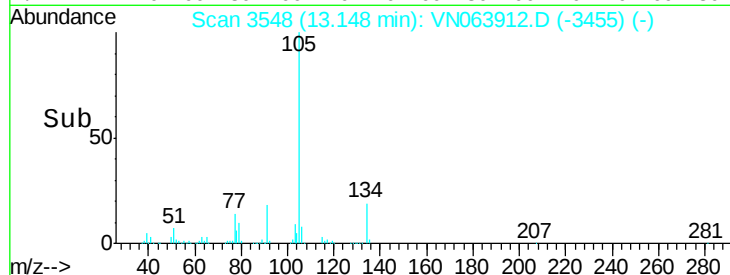
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.832 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063912.D

Acq: 6 Oct 2020 23:53

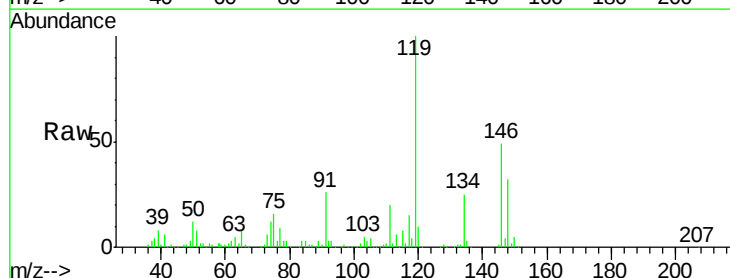
Tgt Ion:119 Resp: 198856

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

91 26.5 13.4 40.2



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

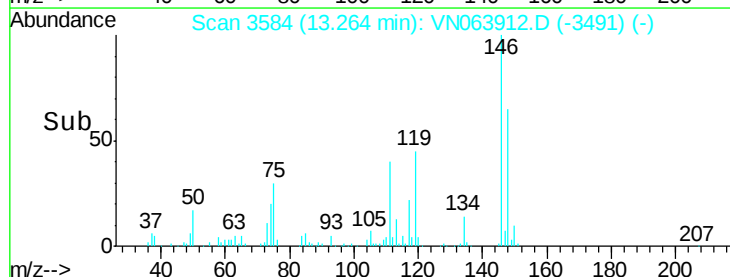
150000

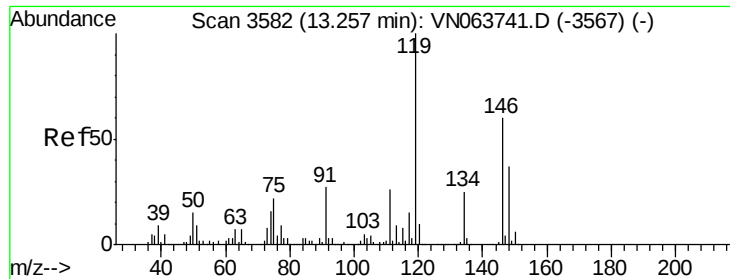
100000

50000

0

Time-->





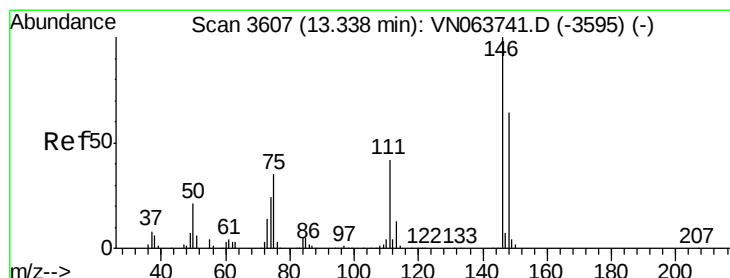
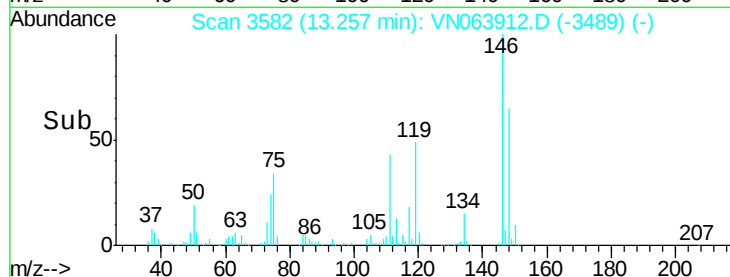
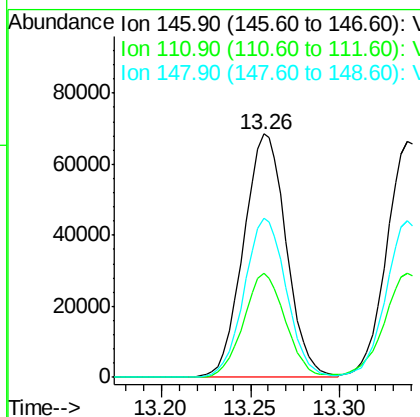
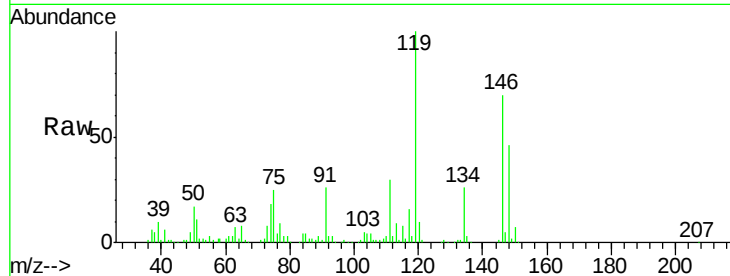
#87
 1,3-Dichlorobenzene
 Concen: 18.524 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	64.2	31.1	93.3

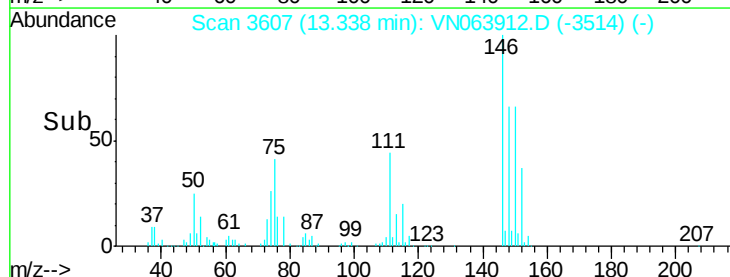
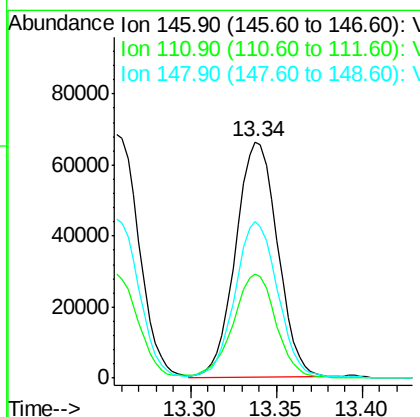
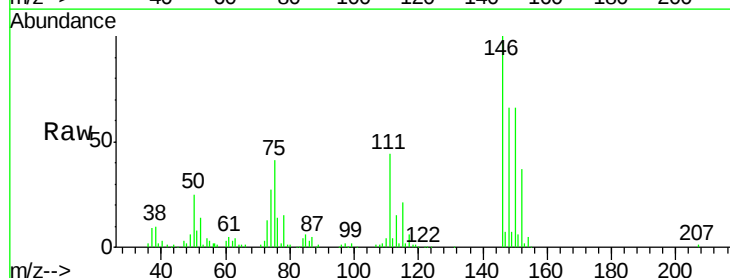
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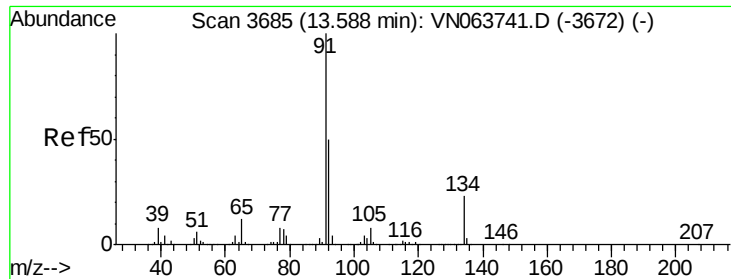
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#88
 1,4-Dichlorobenzene
 Concen: 17.328 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.3	63.7
148	67.0	32.0	96.0





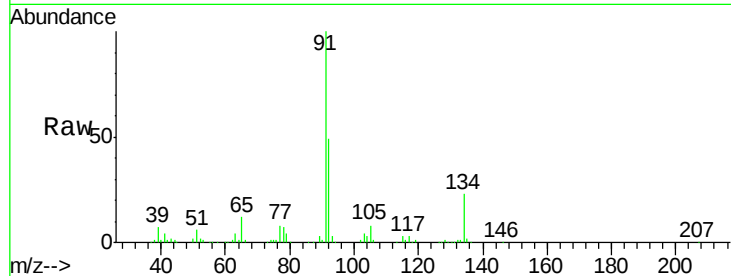
#89
n-Butylbenzene
Concen: 15.866 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS04

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163301		
92	49.6	25.4	76.4	
134	23.1	11.7	35.1	

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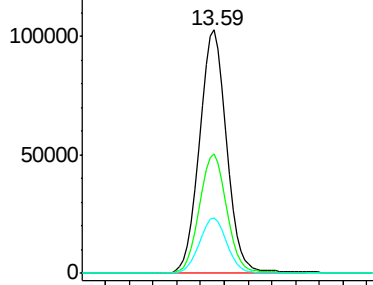
MMDadoda
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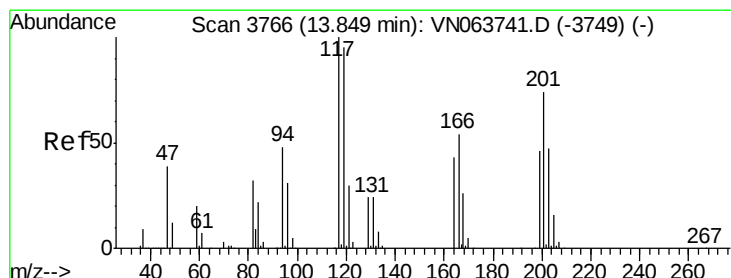
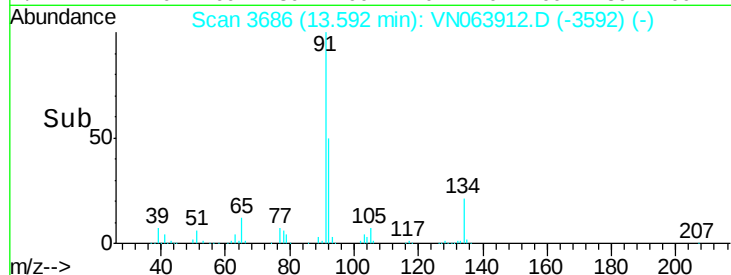
Abundance Ion 91.00 (90.70 to 91.70): VN063912.D (-3685) (-)

Ion 92.00 (91.70 to 92.70): VN063912.D (-3685) (-)

Ion 134.00 (133.70 to 134.70): VN063912.D (-3685) (-)

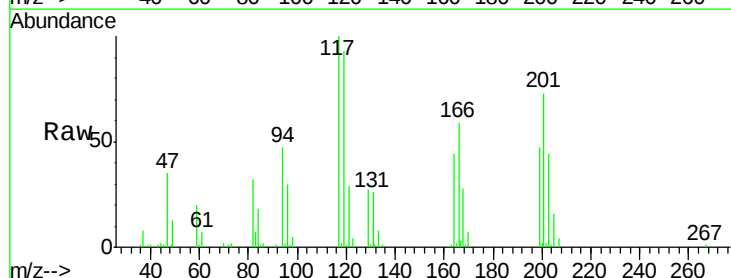


Time-->



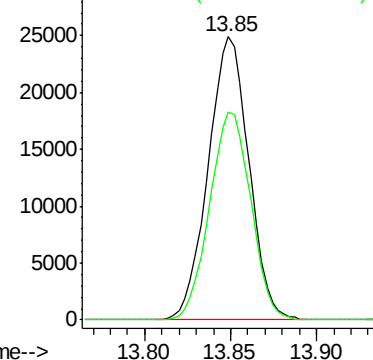
#90
Hexachloroethane
Concen: 18.908 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40859		
201	74.1	36.0	108.0	

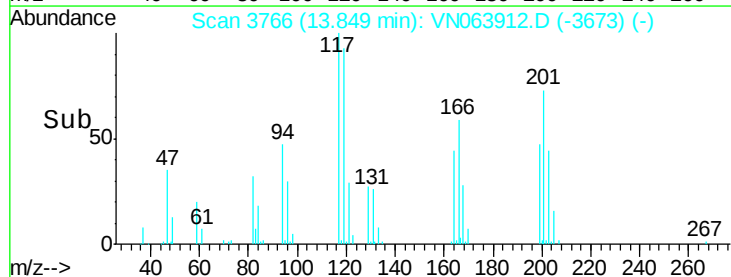


Abundance Ion 116.80 (116.50 to 117.50): VN063912.D (-3766) (-)

Ion 200.70 (200.40 to 201.40): VN063912.D (-3766) (-)



Time-->





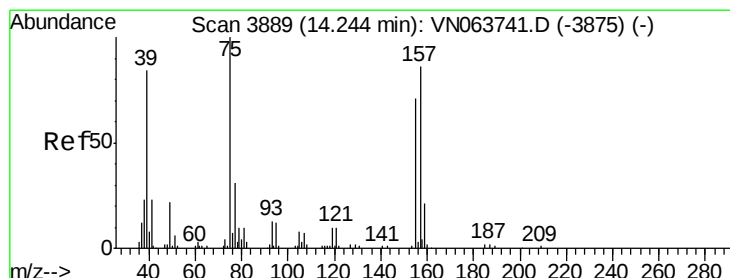
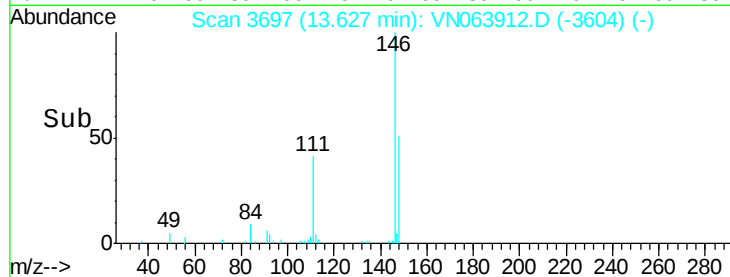
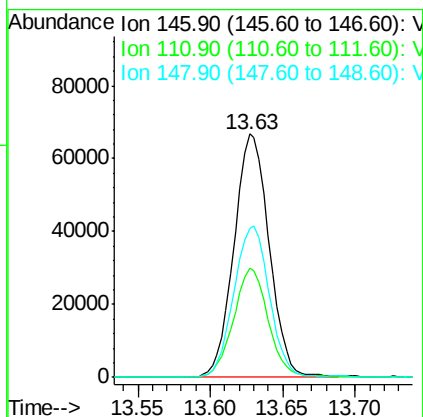
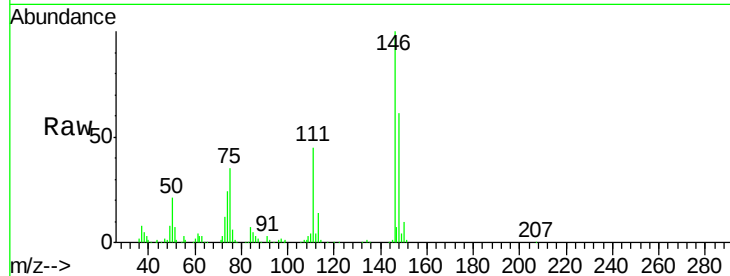
#91
 1,2-Dichlorobenzene
 Concen: 18.344 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	62.6	32.5	97.4

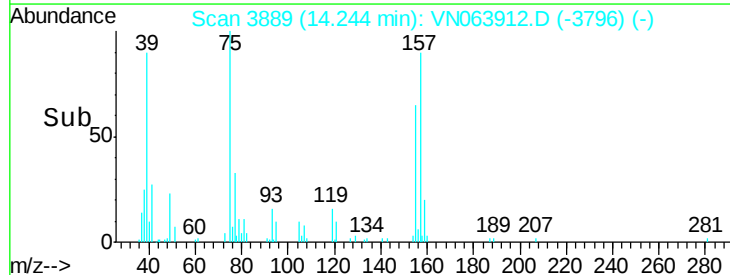
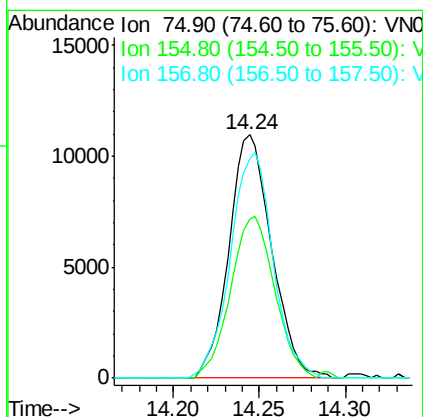
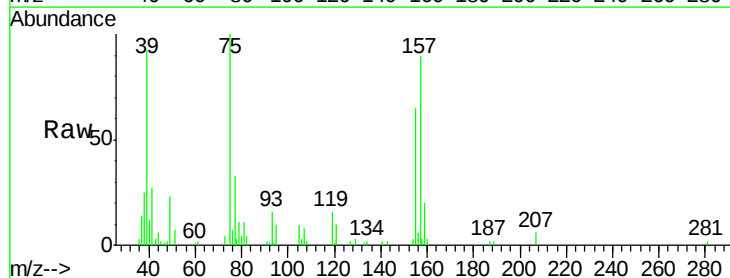
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.009 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.2	34.8	104.5
157	92.3	43.7	131.1





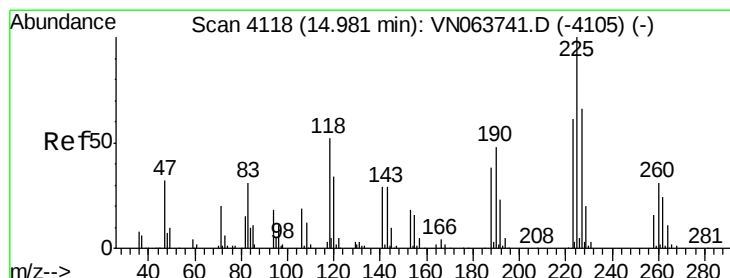
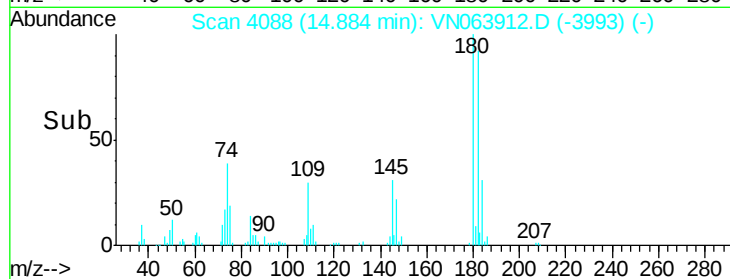
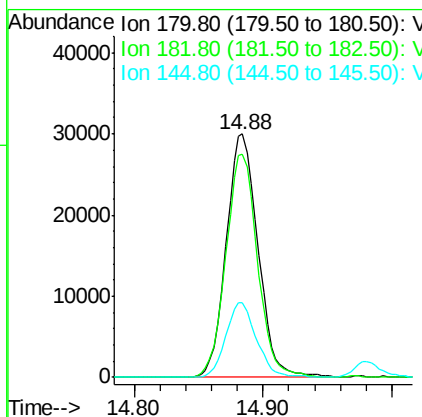
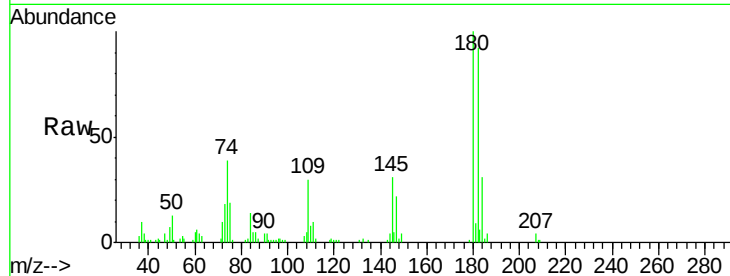
#93
 1,2,4-Trichlorobenzene
 Concen: 16.500 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS04

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.2	144.6
145	29.6	17.1	51.2

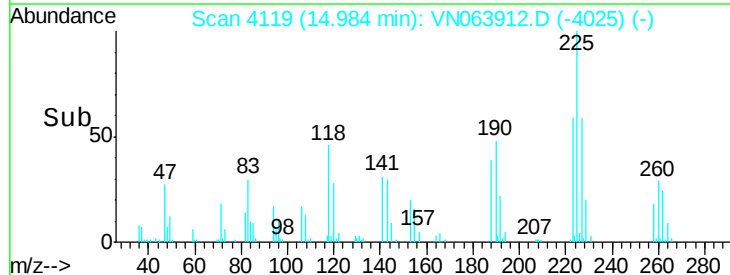
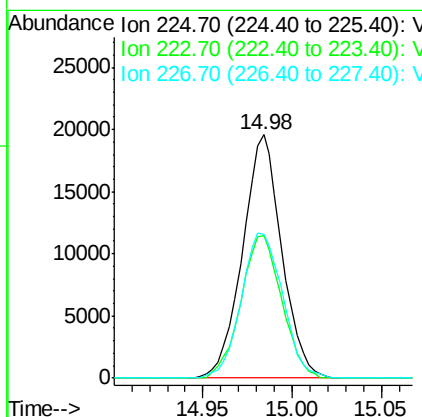
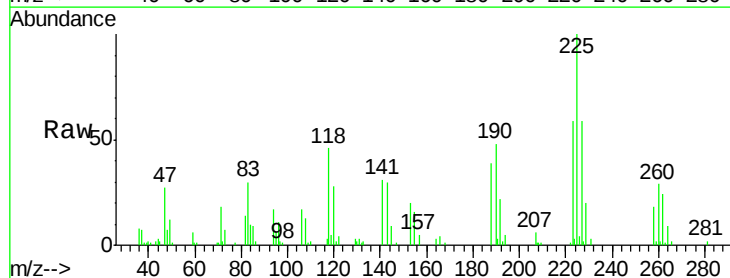
Manual Integrations
 APPROVED

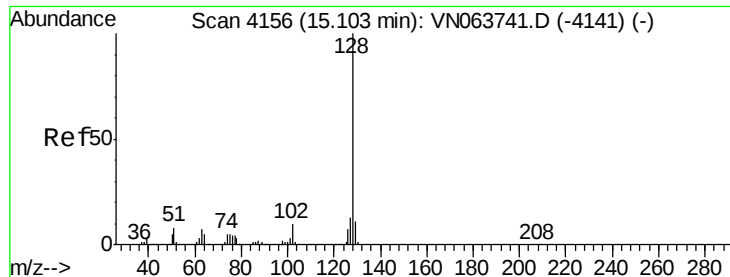
MMDadoda
 10/7/2020 12:12:00 PM



#94
 Hexachlorobutadiene
 Concen: 18.082 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063912.D
 Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.3	91.0
227	63.0	31.9	95.5





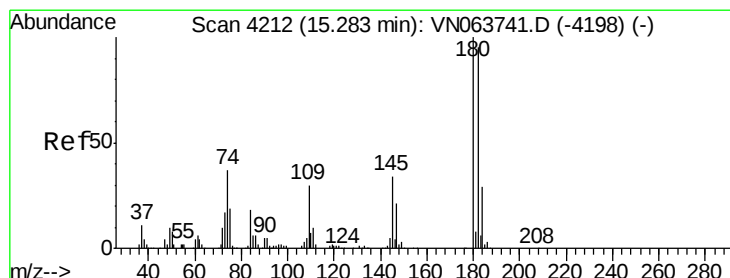
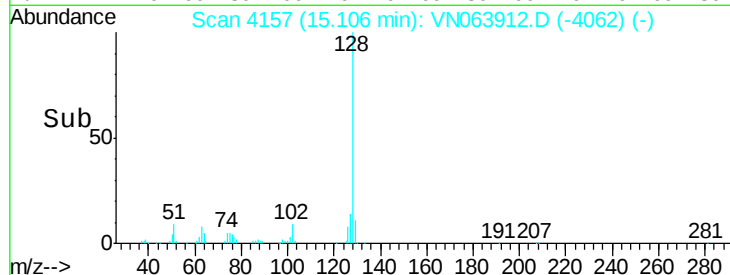
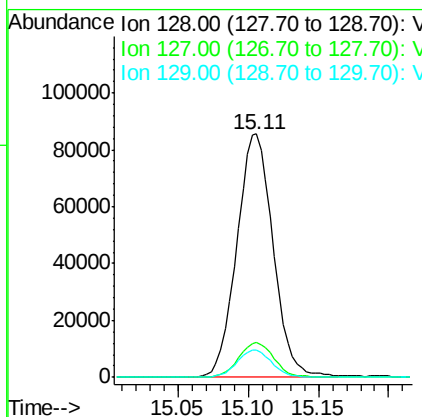
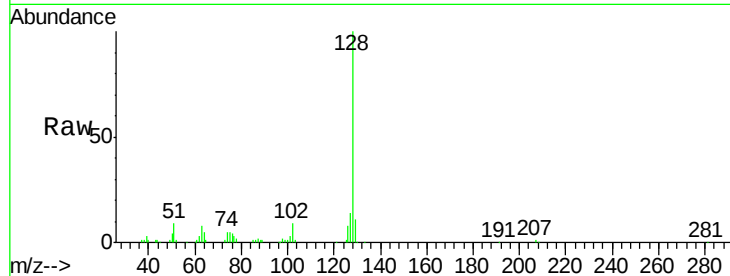
#95
Naphthalene
Concen: 16.296 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS04

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.886 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063912.D
Acq: 6 Oct 2020 23:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.9	143.6
145	33.4	17.2	51.5

