

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063793.D
 Acq On : 2 Oct 2020 00:56
 Operator : JC/MD
 Sample : VN1001WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:12:04 PM

Quant Time: Oct 02 04:00:03 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	7.63	168	245082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	429839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	211518	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.55	113	144299	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.06	98	516805	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.38	95	193035	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	45323	17.526	ug/l	97
3) Chloromethane	2.04	50	54249	17.878	ug/l	99
4) Vinyl Chloride	2.16	62	56746	18.631	ug/l	95
5) Bromomethane	2.53	94	35460	18.509	ug/l	97
6) Chloroethane	2.67	64	35640	19.582	ug/l	99
7) Trichlorofluoromethane	2.99	101	89157	18.456	ug/l	95
8) Diethyl Ether	3.37	74	31657	19.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44530	17.247	ug/l	99
10) Methyl Iodide	3.91	142	54100	18.046	ug/l	97
11) Tert butyl alcohol	4.73	59	47539	106.348	ug/l	96
12) 1,1-Dichloroethene	3.69	96	45764	18.543	ug/l	92
13) Acrolein	3.58	56	22142	80.706	ug/l	97
14) Allyl chloride	4.28	41	78788	17.184	ug/l	97
15) Acrylonitrile	4.93	53	126846	99.133	ug/l	99
16) Acetone	3.78	43	121546	97.518	ug/l	98
17) Carbon Disulfide	4.01	76	121467	18.655	ug/l	99
18) Methyl Acetate	4.28	43	65893	20.362	ug/l #	75
19) Methyl tert-butyl Ether	4.99	73	171890	19.171	ug/l	100
20) Methylene Chloride	4.50	84	58367	20.503	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	51690	18.699	ug/l	95
22) Diisopropyl ether	5.90	45	189794	20.120	ug/l	96
23) Vinyl Acetate	5.85	43	772778	98.895	ug/l	99
24) 1,1-Dichloroethane	5.80	63	105049	19.476	ug/l	97
25) 2-Butanone	6.78	43	183955	104.102	ug/l	99
26) 2,2-Dichloropropane	6.78	77	72278	14.633	ug/l	97
27) cis-1,2-Dichloroethene	6.79	96	59867	18.831	ug/l	99
28) Bromochloromethane	7.15	49	52906	19.846	ug/l	99
29) Tetrahydrofuran	7.17	42	120908	102.018	ug/l	98
30) Chloroform	7.33	83	108287	19.255	ug/l	93
31) Cyclohexane	7.62	56	79708	16.957	ug/l #	90
32) 1,1,1-Trichloroethane	7.53	97	96767	19.076	ug/l	100
36) 1,1-Dichloropropene	7.75	75	76213	17.501	ug/l	99
37) Ethyl Acetate	6.88	43	77672	17.953	ug/l #	80
38) Carbon Tetrachloride	7.74	117	83750	17.151	ug/l	97

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Manual Integrations
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 10/2/2020 3:12:04 PM

Quant Time: Oct 02 04:00:03 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)
39) Methylcyclohexane	9.05	83	62541	14.402	ug/l	99
40) Benzene	8.00	78	224792	18.073	ug/l	99
41) Methacrylonitrile	7.13	41	32272m	16.783	ug/l	
42) 1,2-Dichloroethane	8.08	62	95068	17.906	ug/l	100
43) Isopropyl Acetate	8.13	43	133092	18.650	ug/l #	90
44) Trichloroethene	8.80	130	55601	17.061	ug/l	99
45) 1,2-Dichloropropane	9.09	63	61187	18.215	ug/l	100
46) Dibromomethane	9.17	93	44105	19.033	ug/l	95
47) Bromodichloromethane	9.37	83	86273	18.065	ug/l	99
48) Methyl methacrylate	9.17	41	67890	19.255	ug/l	94
49) 1,4-Dioxane	9.16	88	18101	361.233	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	404779	96.655	ug/l	100
52) Toluene	10.13	92	138247	17.970	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	89535	17.489	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	91694	17.126	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	56571	18.336	ug/l	95
56) Ethyl methacrylate	10.40	69	80229	18.345	ug/l	98
57) 1,3-Dichloropropane	10.68	76	96778	18.541	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	221556	94.709	ug/l	98
59) 2-Hexanone	10.72	43	290637	93.421	ug/l	98
60) Dibromochloromethane	10.87	129	64639	17.990	ug/l	96
61) 1,2-Dibromoethane	10.98	107	58354	18.490	ug/l	99
64) Tetrachloroethene	10.60	164	51788	17.139	ug/l	97
65) Chlorobenzene	11.41	112	144672	18.058	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	56490	18.392	ug/l	99
67) Ethyl Benzene	11.49	91	258945	17.763	ug/l	100
68) m/p-Xylenes	11.59	106	190501	35.062	ug/l	98
69) o-Xylene	11.92	106	92333	18.182	ug/l	99
70) Styrene	11.94	104	156740	18.183	ug/l	99
71) Bromoform	12.10	173	41596	17.708	ug/l #	99
73) Isopropylbenzene	12.23	105	239818	18.566	ug/l	99
74) N-amyl acetate	12.05	43	109953	19.719	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	80033	20.262	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	76793m	19.671	ug/l	
77) Bromobenzene	12.50	156	60054	18.947	ug/l	95
78) n-propylbenzene	12.57	91	270319	17.982	ug/l	100
79) 2-Chlorotoluene	12.65	91	173487	18.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	199074	18.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	24188	17.845	ug/l	99
82) 4-Chlorotoluene	12.75	91	182824	19.048	ug/l	100
83) tert-Butylbenzene	12.97	119	161856	18.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	201925	18.663	ug/l	98
85) sec-Butylbenzene	13.15	105	205230	17.627	ug/l	100
86) p-Isopropyltoluene	13.26	119	182827	17.751	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	105524	18.403	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	104193	17.451	ug/l	95
89) n-Butylbenzene	13.59	91	151399	15.926	ug/l	99
90) Hexachloroethane	13.85	117	35077	17.575	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	106484	18.749	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18077	19.515	ug/l	93

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ClientSampleId :
VN1001WBSD02

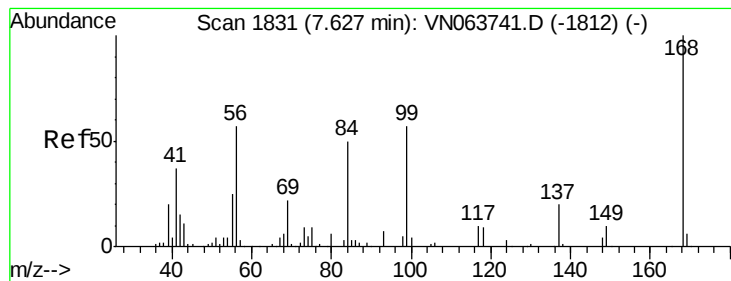
Manual Integrations
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10/2/2020 3:12:04 PM

Quant Time: Oct 02 04:00:03 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)
93) 1,2,4-Trichlorobenzene	14.88	180	50086	17.391	ug/l	99
94) Hexachlorobutadiene	14.98	225	25465	16.581	ug/l	94
95) Naphthalene	15.10	128	164815	18.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	49818	17.678	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion:168 Resp: 245082

Ion Ratio Lower Upper

168 100

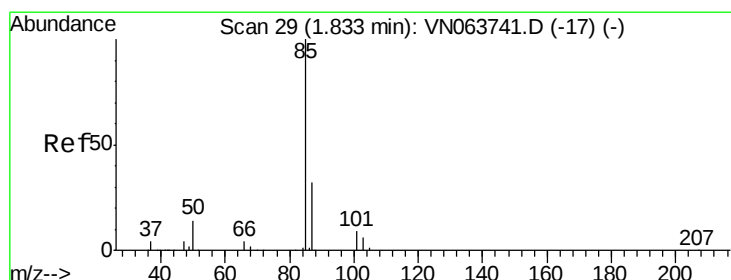
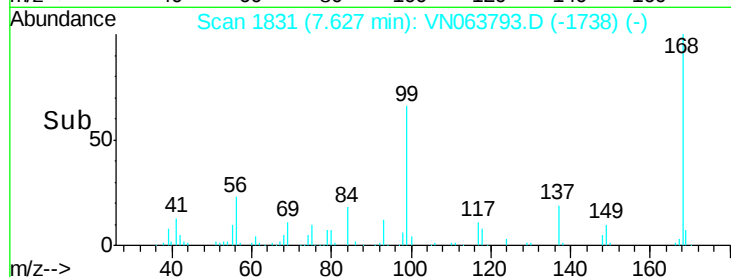
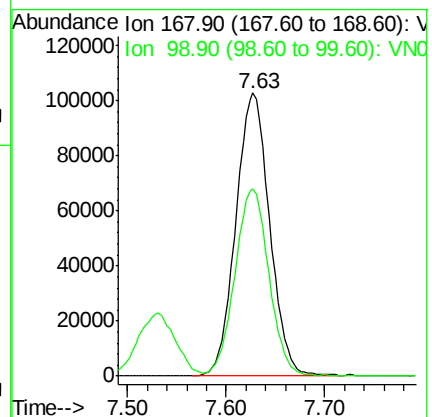
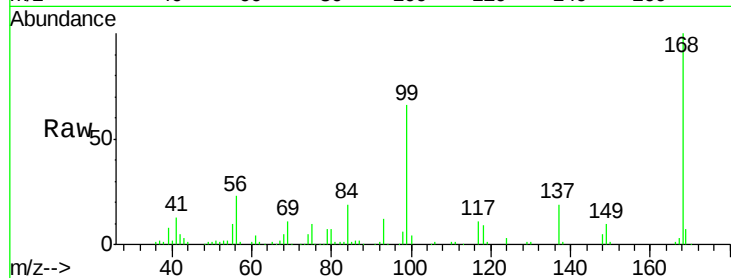
99 65.8 51.8 77.6

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#2

Dichlorodifluoromethane

Concen: 17.526 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063793.D

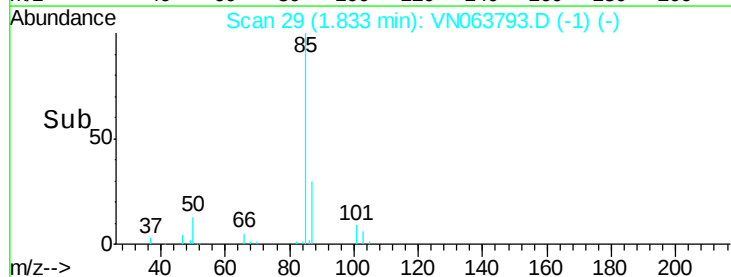
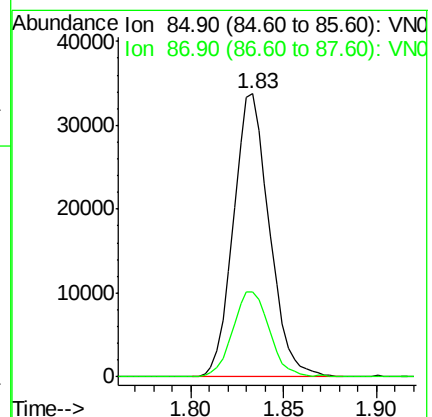
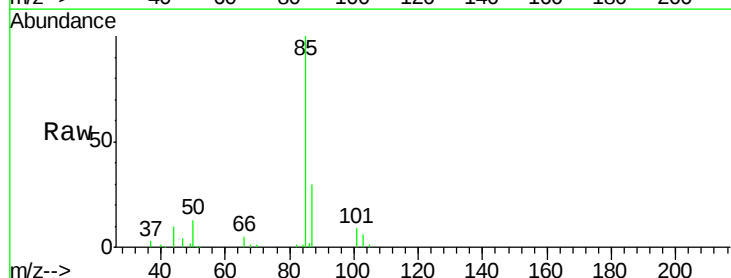
Acq: 2 Oct 2020 00:56

Tgt Ion: 85 Resp: 45323

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0





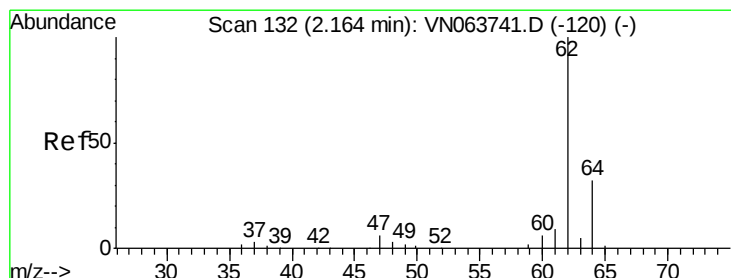
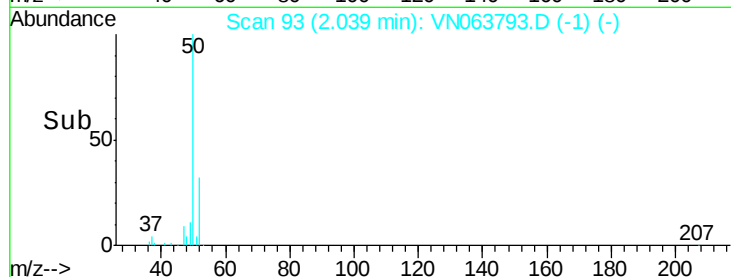
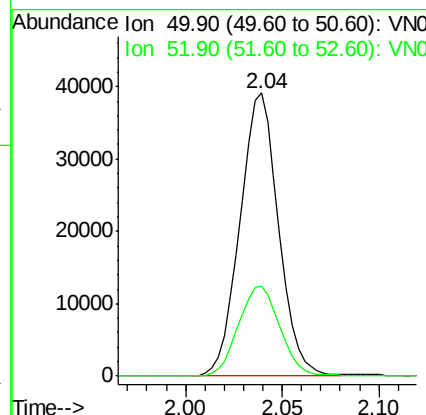
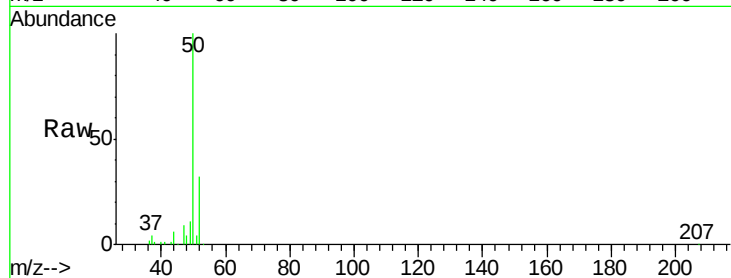
#3
Chloromethane
Concen: 17.878 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 50 Resp: 54249
Ion Ratio Lower Upper
50 100
52 31.8 25.8 38.8

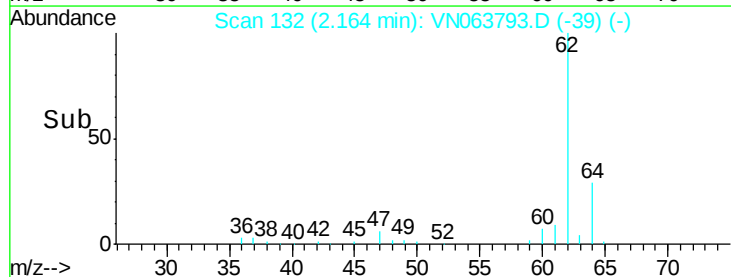
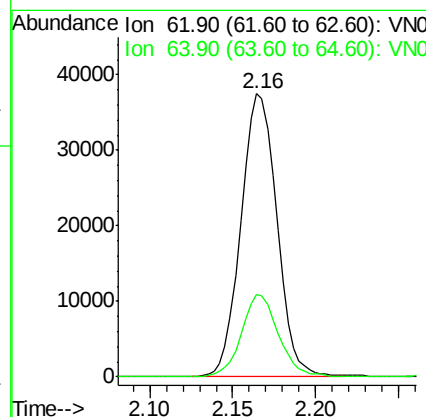
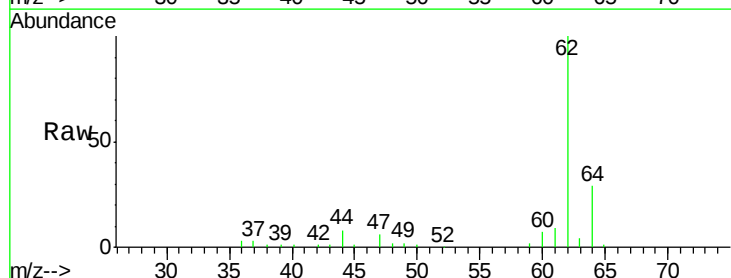
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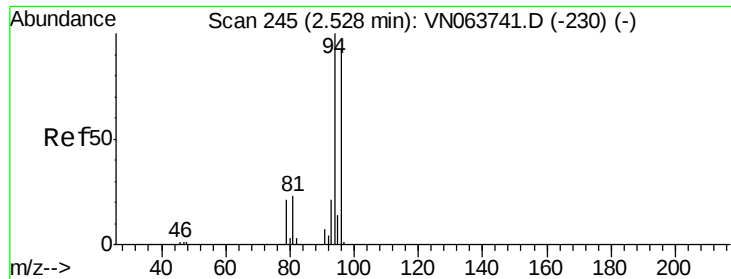
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#4
Vinyl Chloride
Concen: 18.631 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 62 Resp: 56746
Ion Ratio Lower Upper
62 100
64 29.0 25.6 38.4





#5

Bromomethane

Concen: 18.509 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 94 Resp: 35460

Ion Ratio Lower Upper

94 100

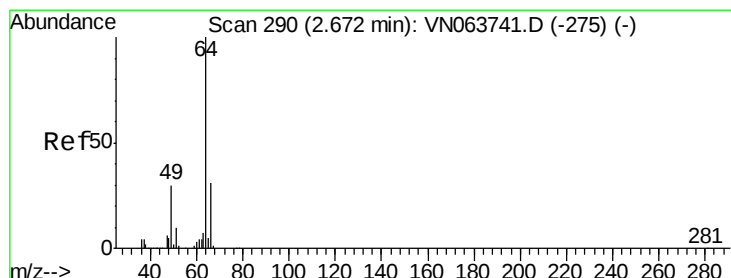
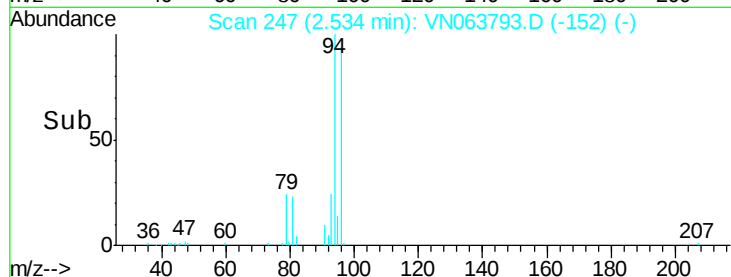
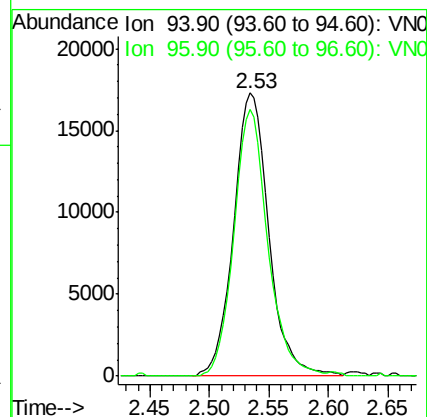
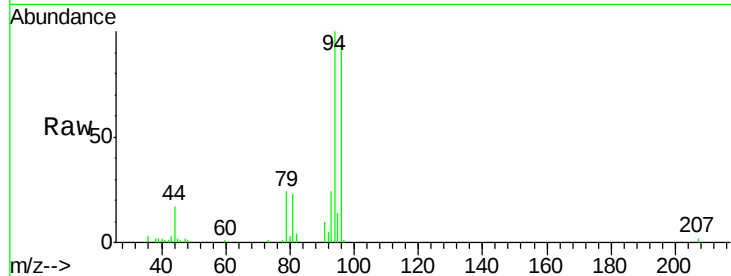
96 94.1 73.3 109.9

Manual Integrations

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10/2/2020 3:12:04 PM



#6

Chloroethane

Concen: 19.582 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063793.D

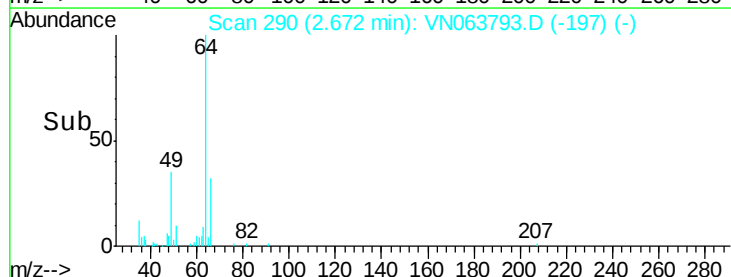
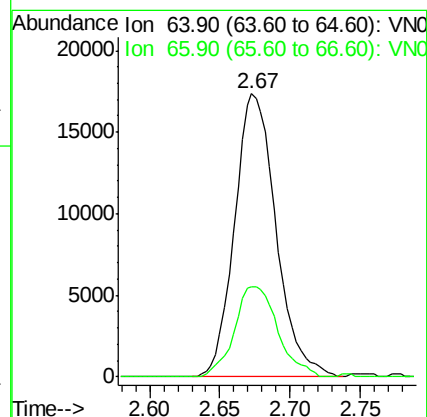
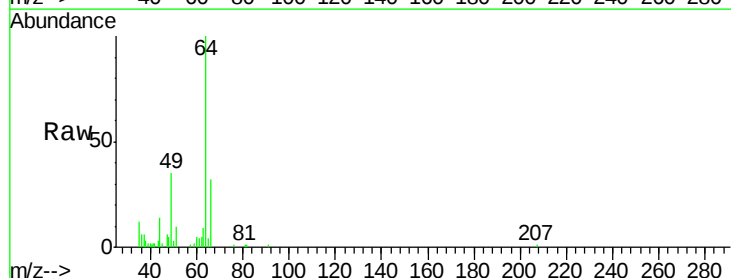
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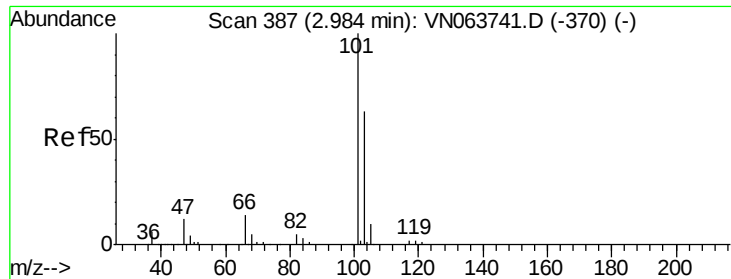
Tgt Ion: 64 Resp: 35640

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

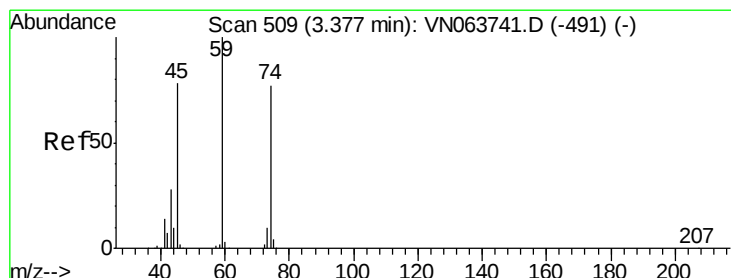
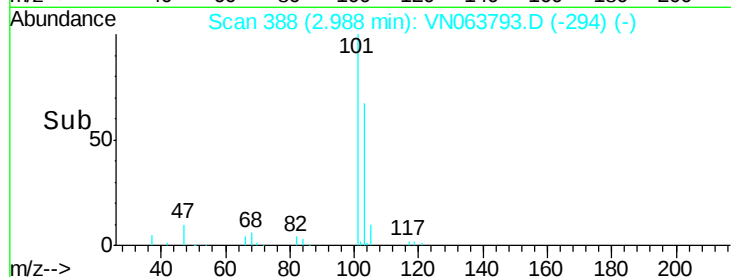
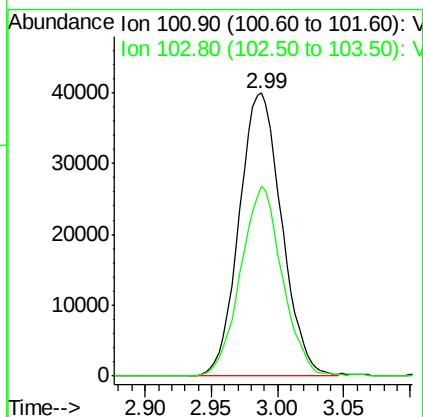
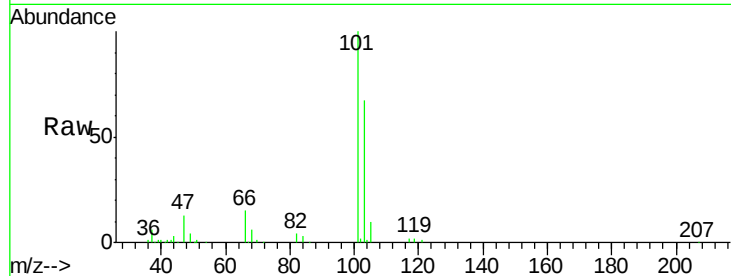
Trichlorofluoromethane
Concen: 18.456 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.7	76.1

Manual Integrations
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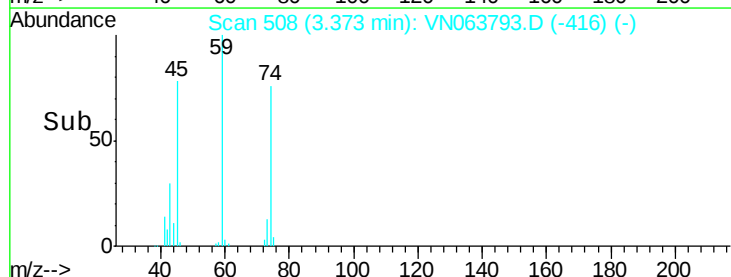
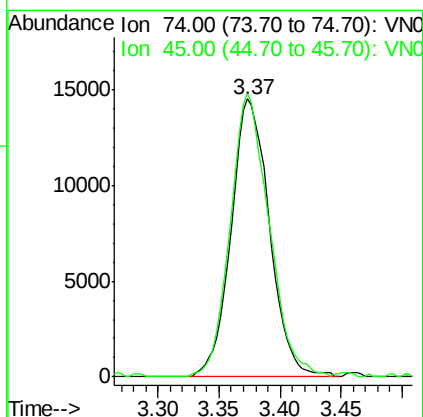
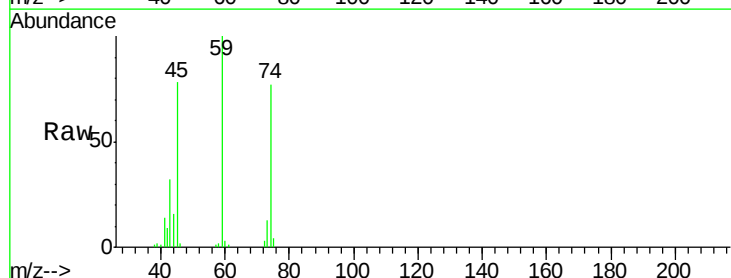
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10/2/2020 3:12:04 PM

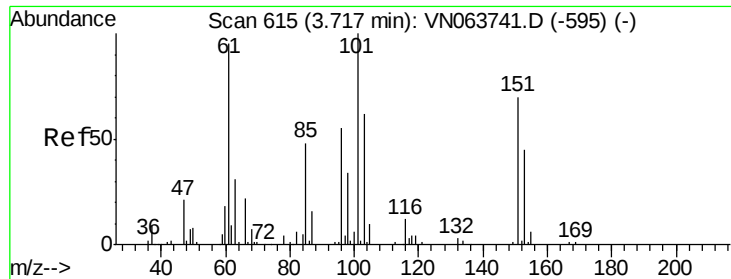


#8

Diethyl Ether
Concen: 19.377 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.247 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

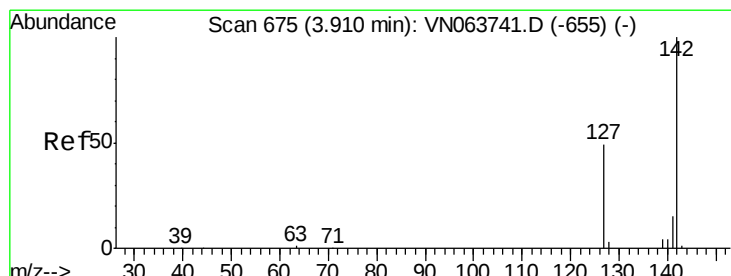
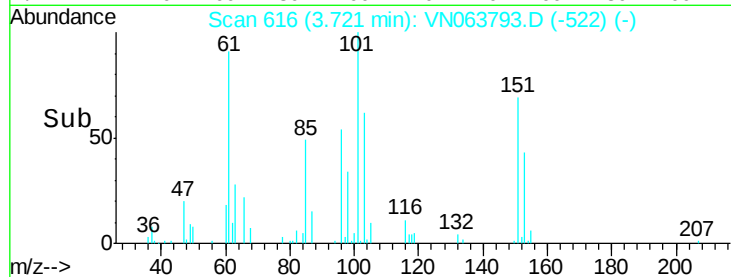
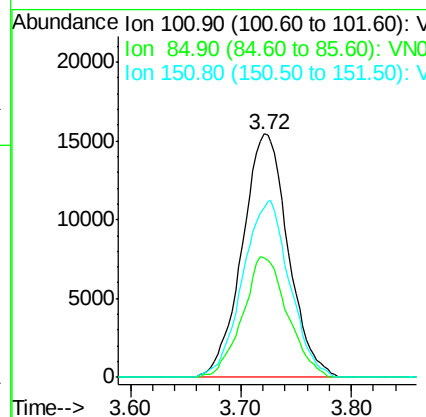
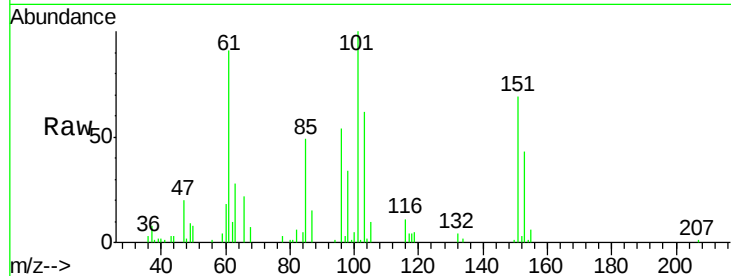
ClientSampleId :

VN1001WBSD02

Tot Ion:	101	Resp:	44530
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.6	58.0
151	74.2	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.046 ug/l

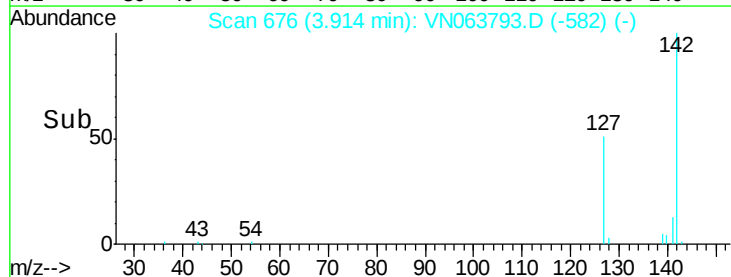
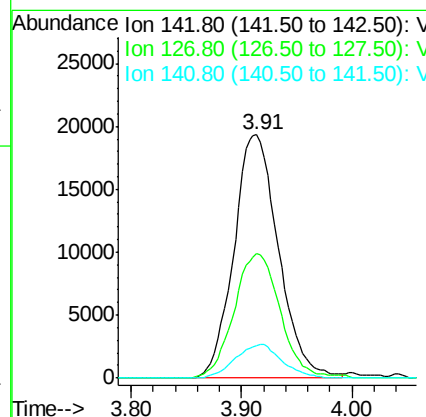
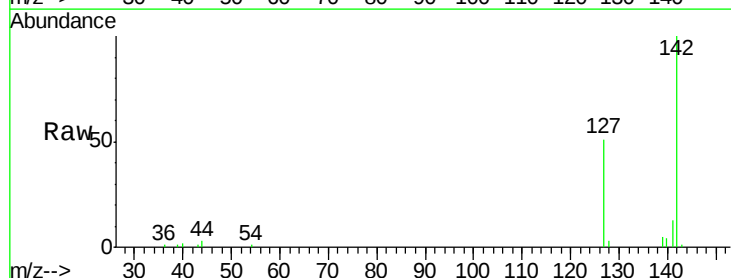
RT: 3.91 min Scan# 676

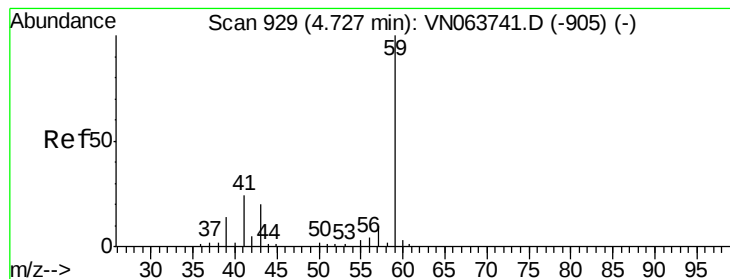
Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	142	Resp:	54100
Ion Ratio	Lower	Upper	
142	100		
127	53.1	40.5	60.7
141	14.5	11.7	17.5





#11

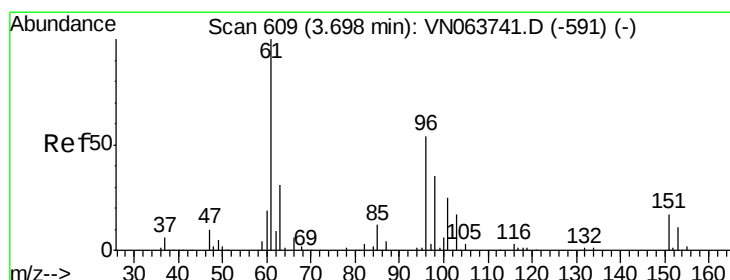
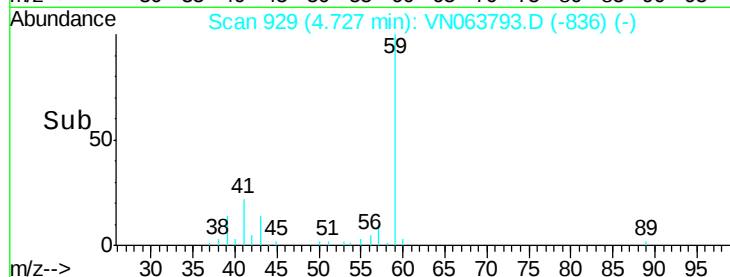
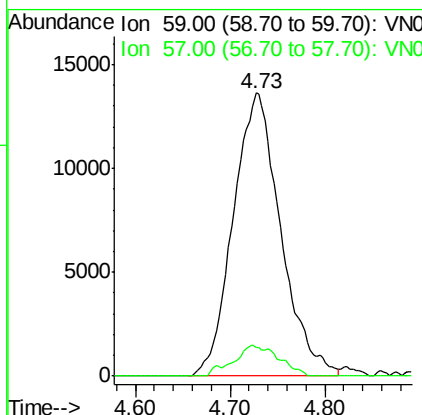
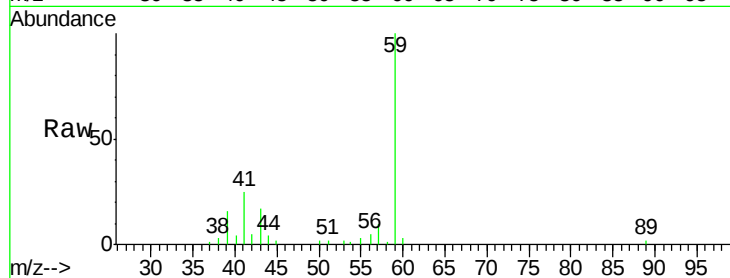
Tert butyl alcohol
 Concen: 106.348 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.7	13.1

Manual Integrations
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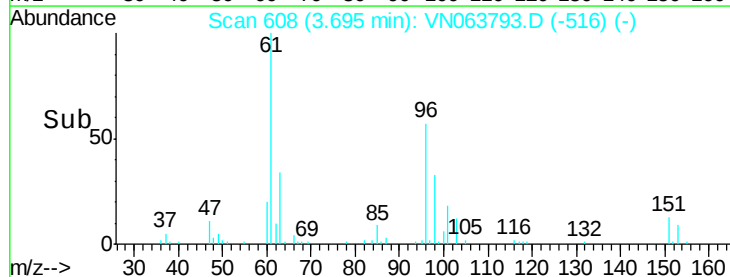
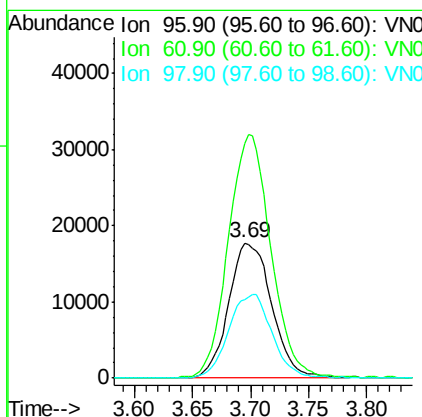
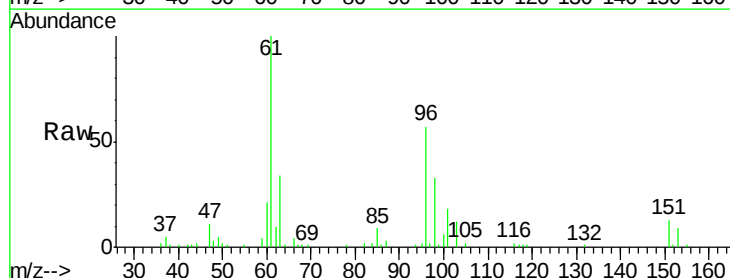
MMDadoda
 10/2/2020 3:12:04 PM

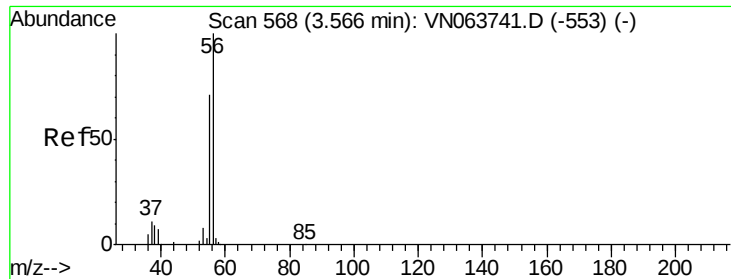


#12

1,1-Dichloroethene
 Concen: 18.543 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	147.7	221.5
98	58.1	51.9	77.9





#13

Acrolein

Concen: 80.706 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 56 Resp: 22142

Ion Ratio Lower Upper

56 100

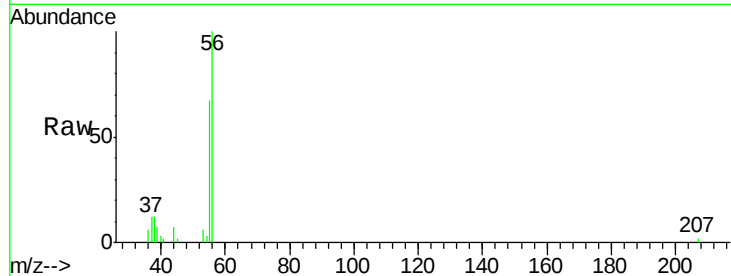
55 68.3 56.9 85.3

Manual Integrations

APPROVED

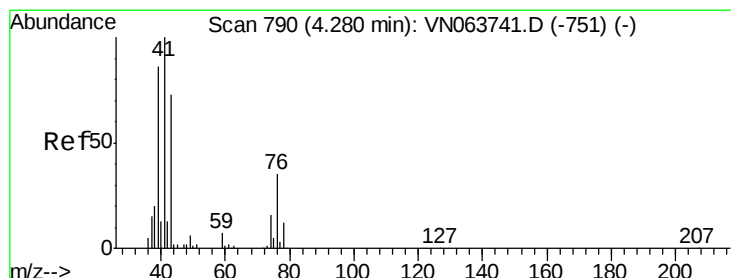
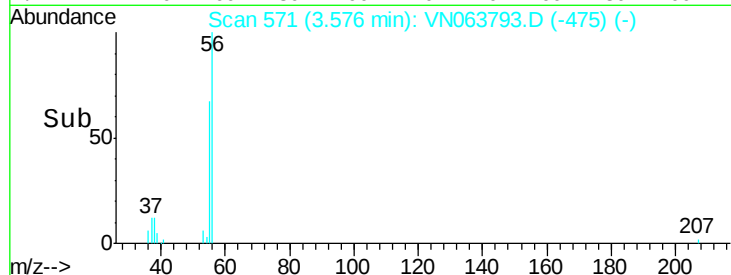
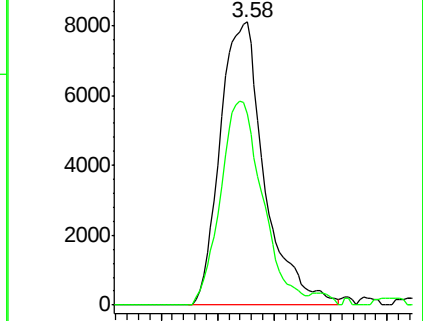
MMDadoda

10/2/2020 3:12:04 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.184 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

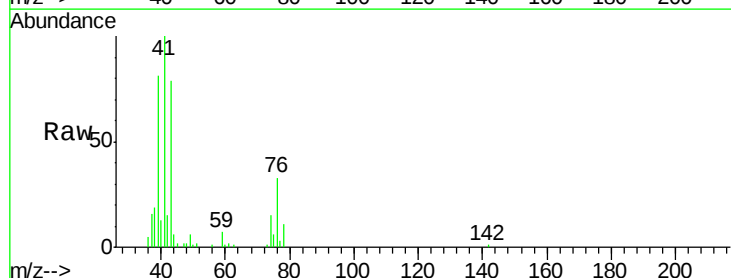
Tgt Ion: 41 Resp: 78788

Ion Ratio Lower Upper

41 100

39 83.9 64.5 96.7

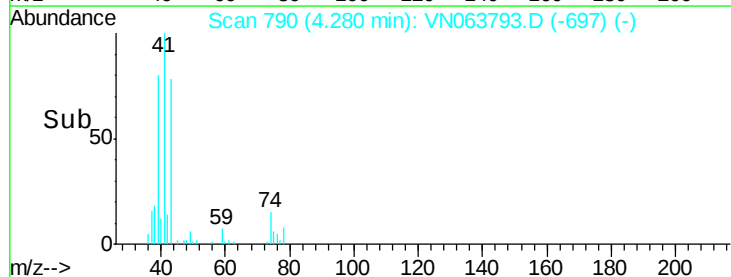
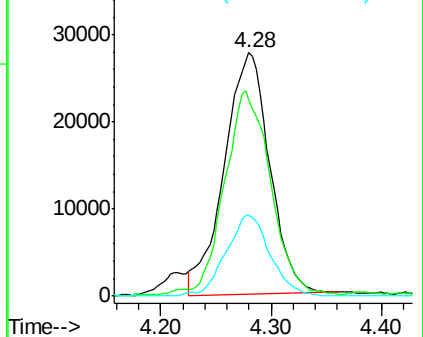
76 32.7 25.9 38.9

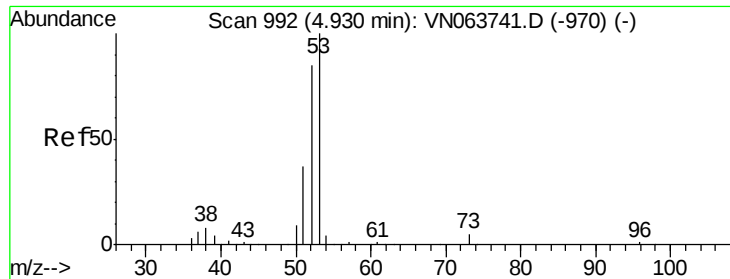


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.133 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

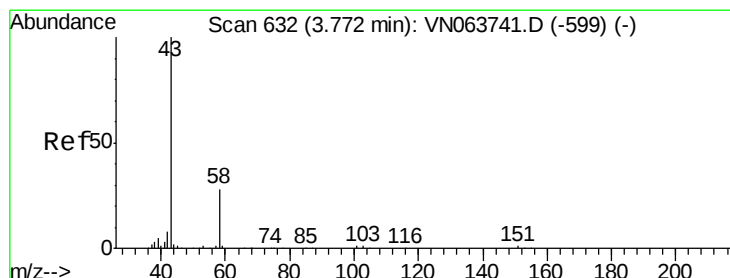
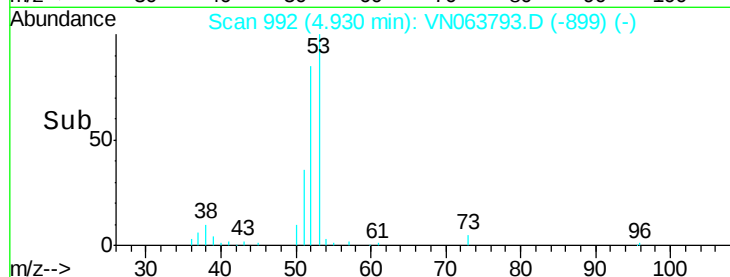
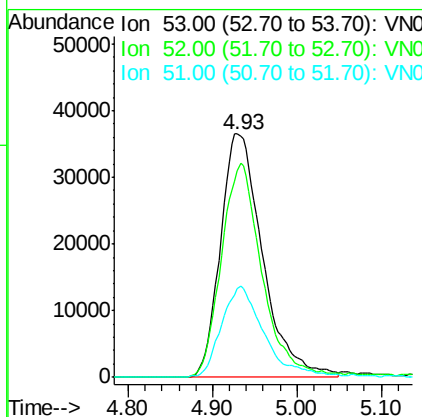
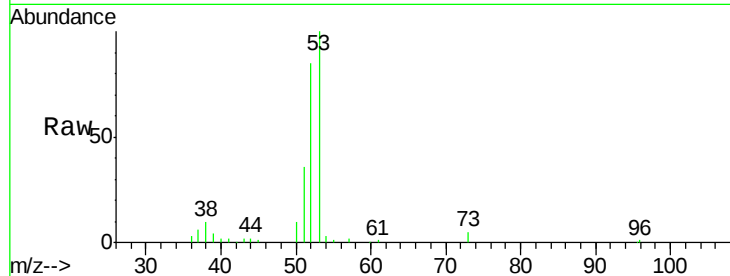
ClientSampleId :

VN1001WBSD02

Tot Ion:	53	Resp:	126846
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.5	99.7
51	38.0	29.9	44.9

Manual Integrations
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10/2/2020 3:12:04 PM



#16

Acetone

Concen: 97.518 ug/l

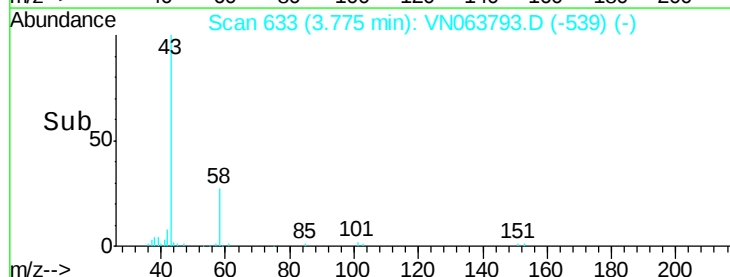
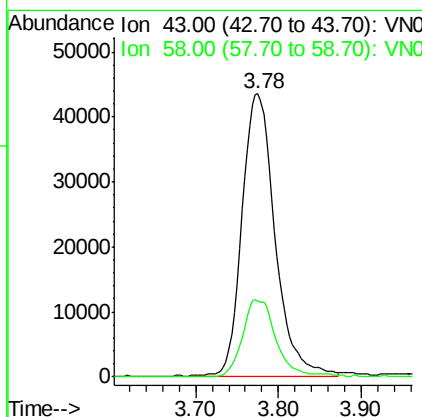
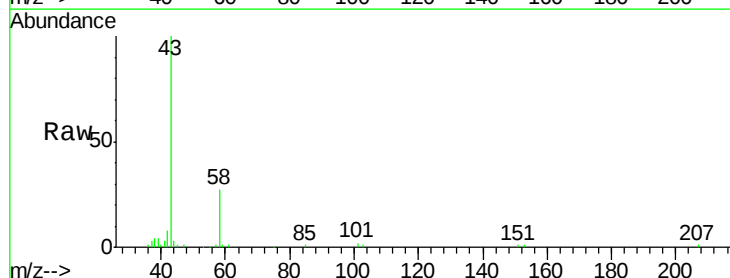
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	43	Resp:	121546
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.3	33.5





#17

Carbon Disulfide

Concen: 18.655 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 76 Resp: 121467

Ion Ratio Lower Upper

76 100

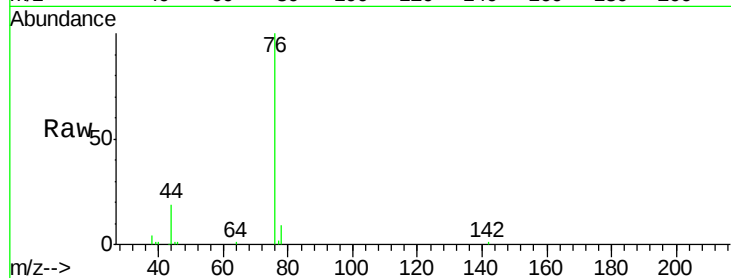
78 9.2 7.0 10.4

Manual Integrations

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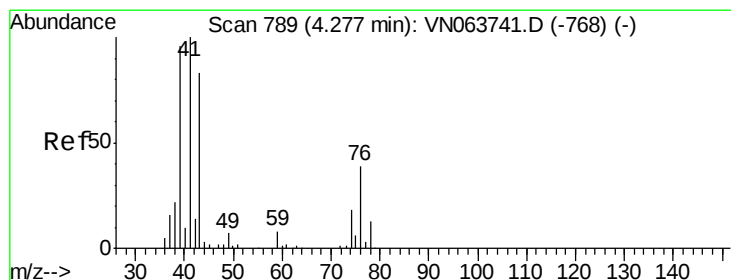
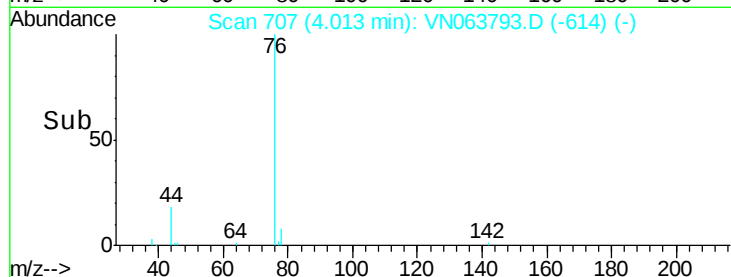
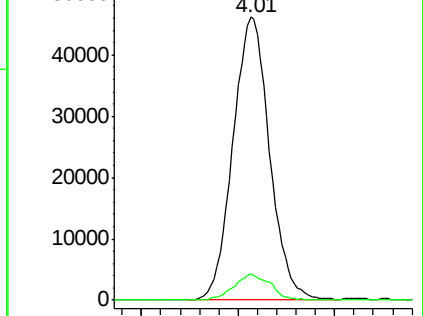
MMDadoda

10/2/2020 3:12:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.362 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063793.D

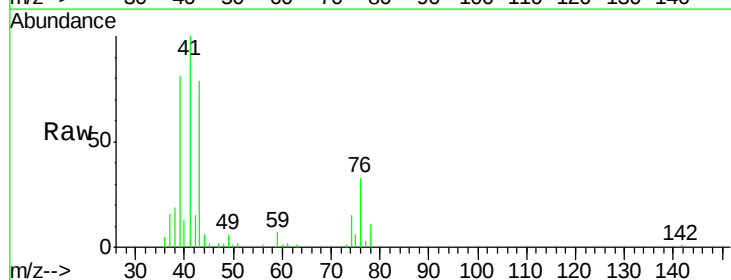
Acq: 2 Oct 2020 00:56

Tgt Ion: 43 Resp: 65893

Ion Ratio Lower Upper

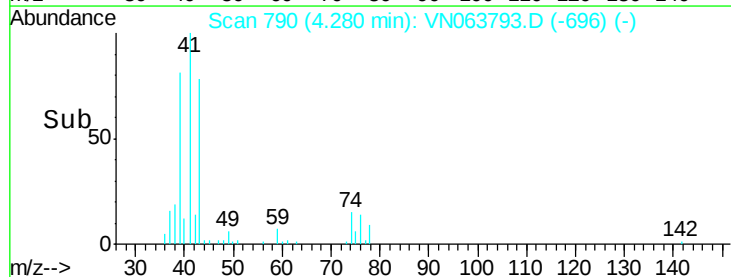
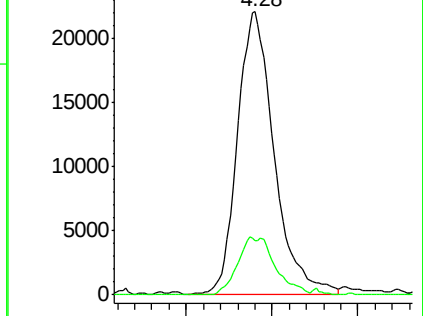
43 100

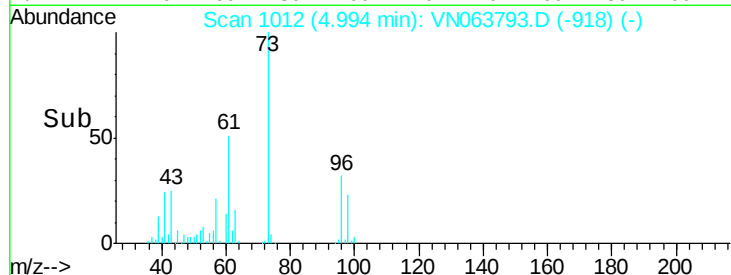
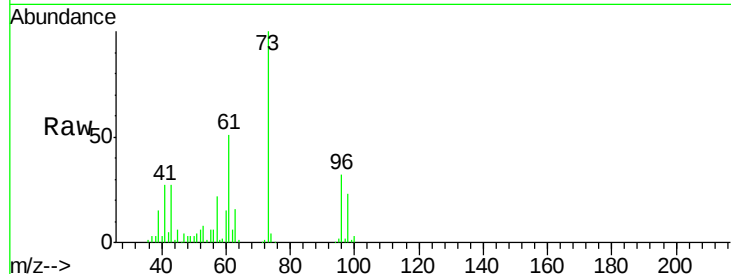
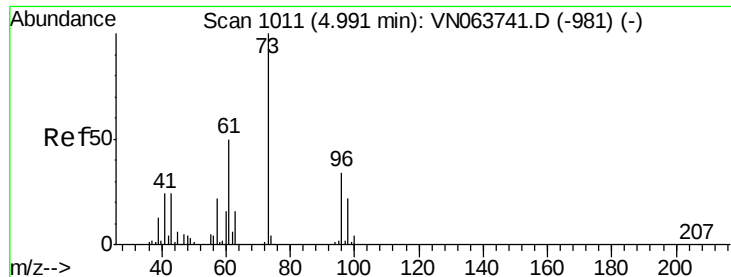
74 10.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





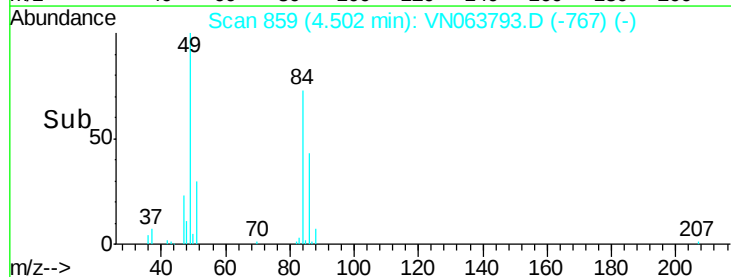
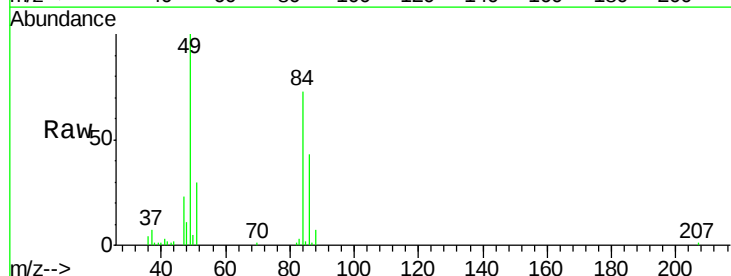
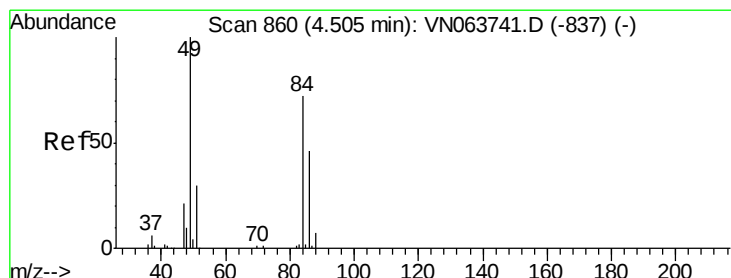
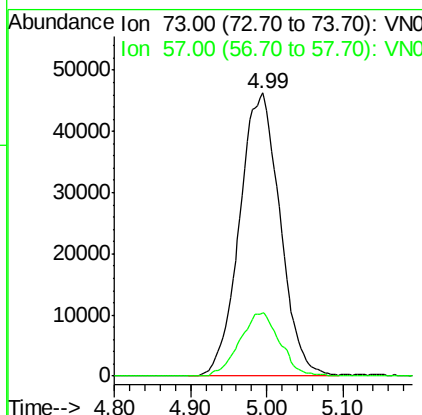
#19
Methvl tert-butvl Ether
Concen: 19.171 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tot Ion: 73 Resp: 171890
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

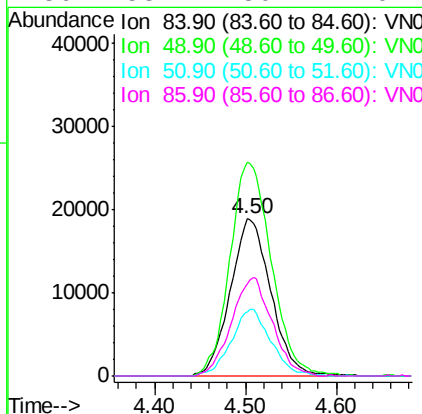
Manual Integrations
APPROVED

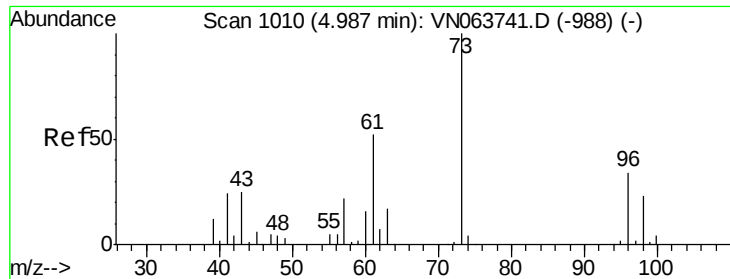
MMDadoda
10/2/2020 3:12:04 PM



#20
Methylene Chloride
Concen: 20.503 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 84 Resp: 58367
Ion Ratio Lower Upper
84 100
49 136.2 110.4 165.6
51 41.2 33.3 49.9
86 58.7 50.7 76.1





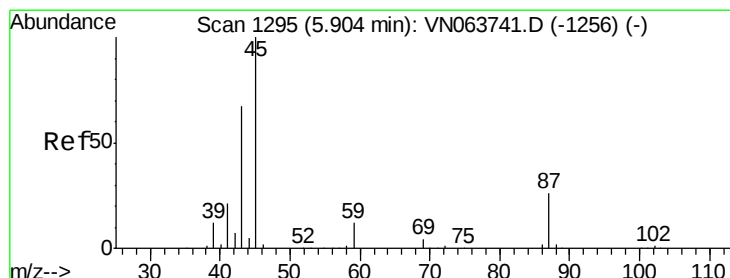
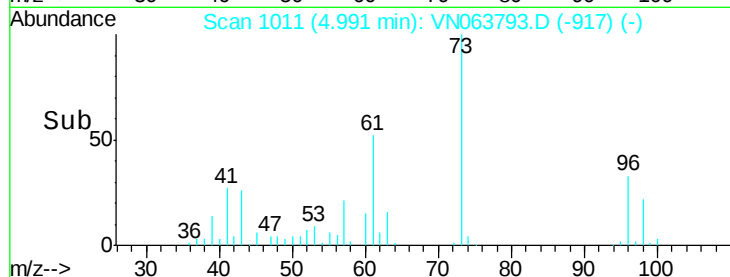
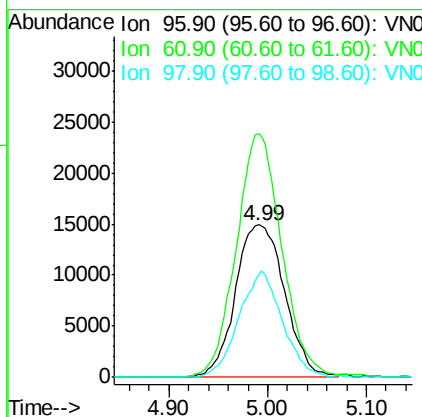
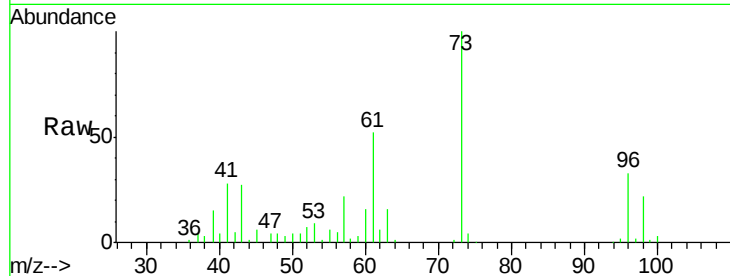
#21
trans-1,2-Dichloroethene
Concen: 18.699 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	120.2	180.2
98	67.8	52.6	79.0

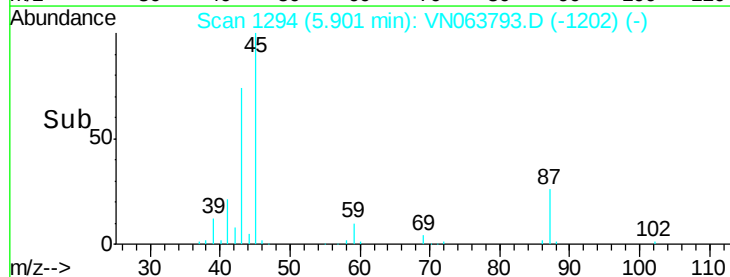
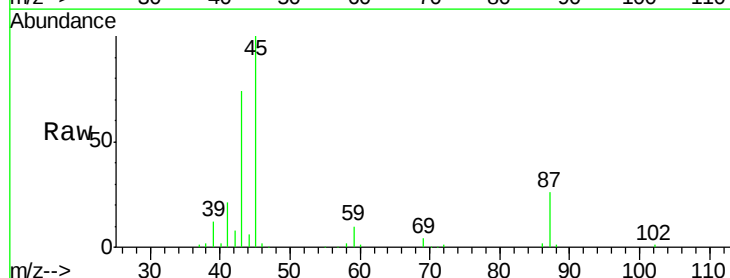
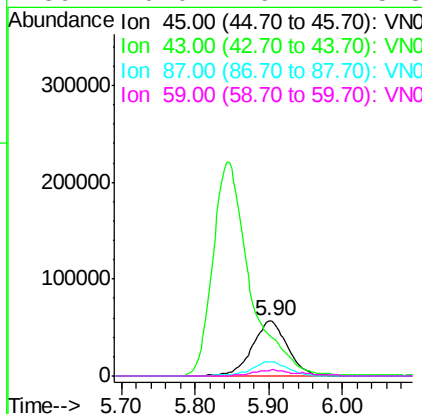
Manual Integrations
APPROVED

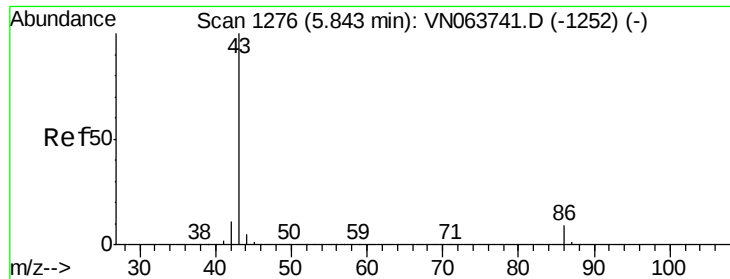
MMDadoda
10/2/2020 3:12:04 PM



#22
Diisopropyl ether
Concen: 20.120 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.7	53.7	80.5
87	25.5	21.1	31.7
59	10.0	9.2	13.8





#23

Vinyl Acetate

Concen: 98.895 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleID :

VN1001WBSD02

Tot Ion: 43 Resp: 772778

Ion Ratio Lower Upper

43 100

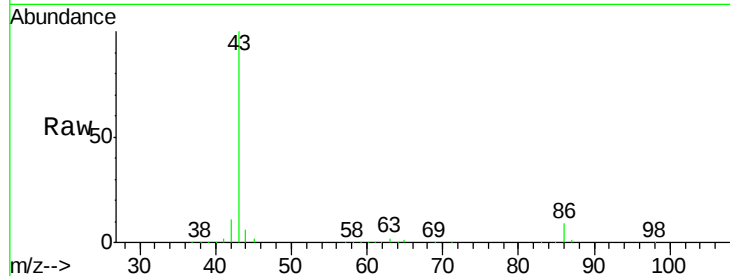
86 9.5 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

250000

200000

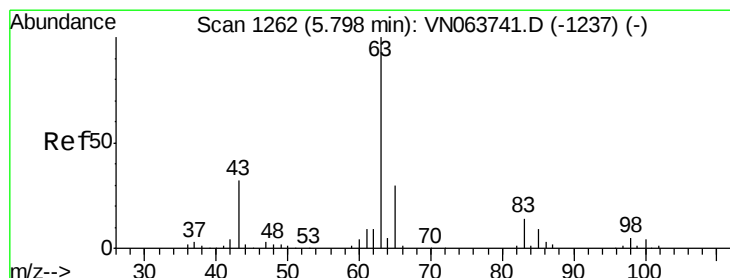
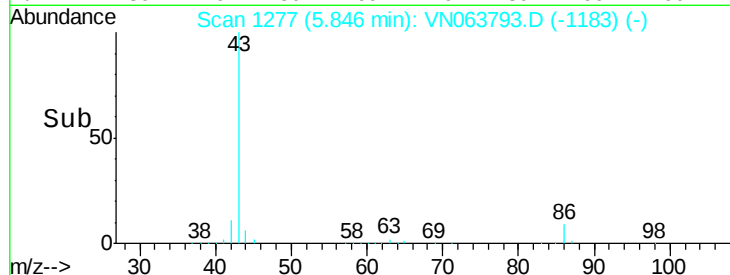
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.476 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

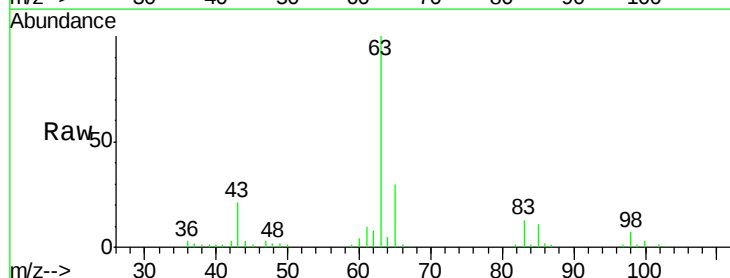
Tgt Ion: 63 Resp: 105049

Ion Ratio Lower Upper

63 100

98 6.6 2.7 8.1

100 2.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

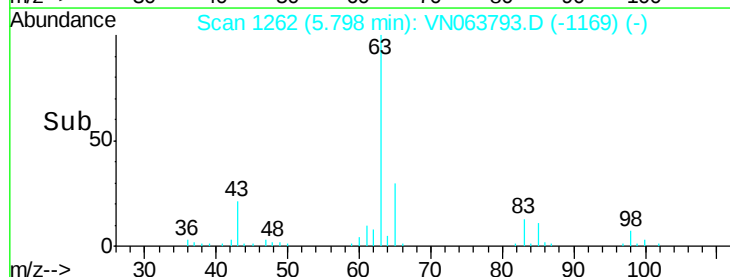
30000

20000

10000

0

Time-->





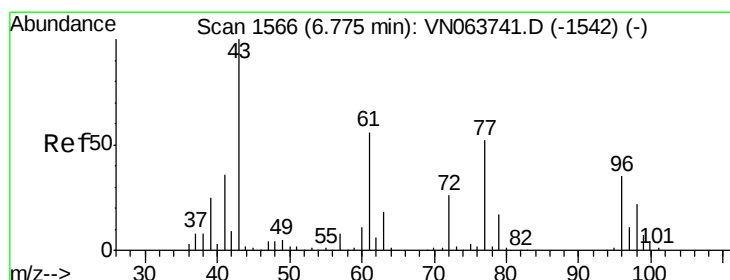
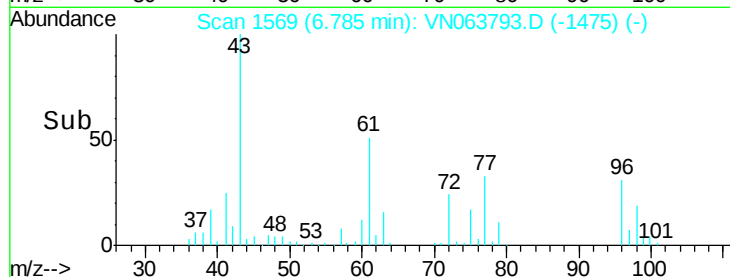
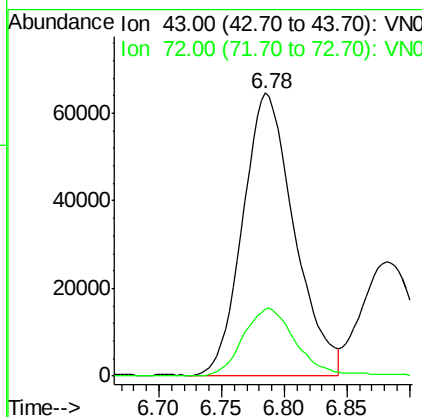
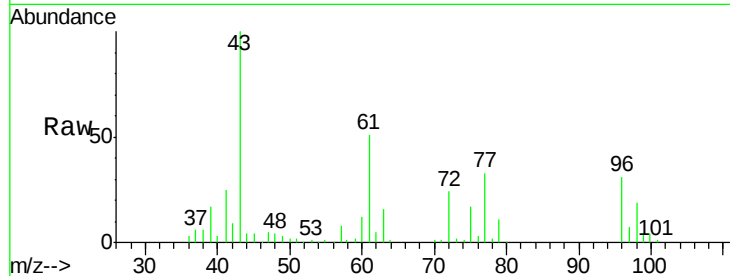
#25
2-Butanone
Concen: 104.102 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 43 Resp: 183955
Ion Ratio Lower Upper
43 100
72 23.7 19.3 28.9

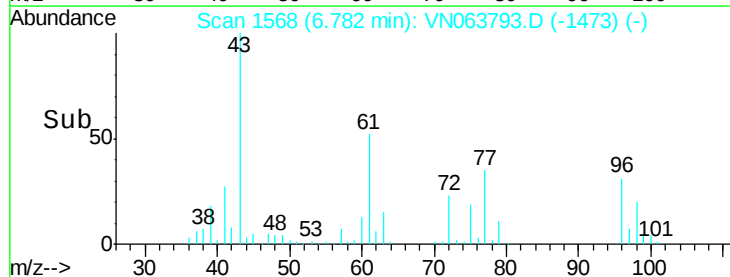
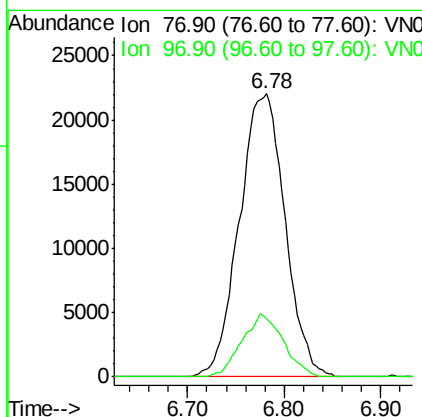
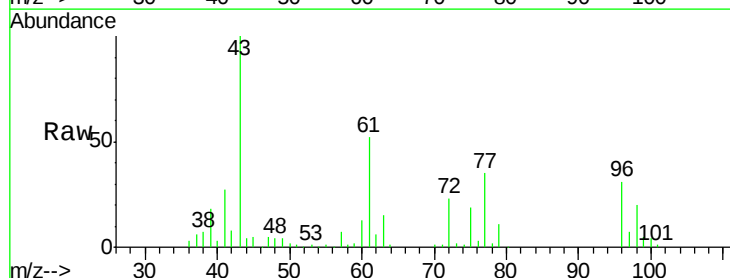
Manual Integrations
APPROVED

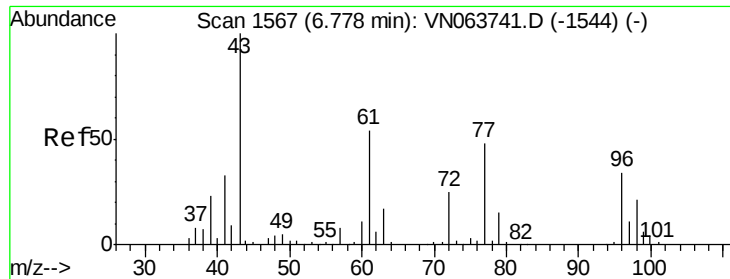
MMDadoda
10/2/2020 3:12:04 PM



#26
2,2-Dichloropropane
Concen: 14.633 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 77 Resp: 72278
Ion Ratio Lower Upper
77 100
97 20.1 10.8 32.3





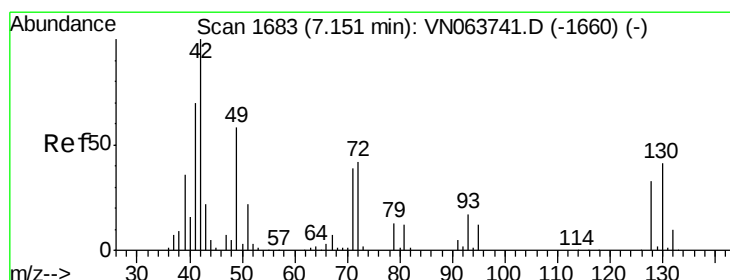
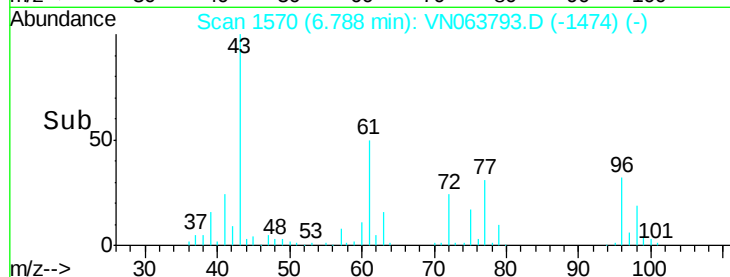
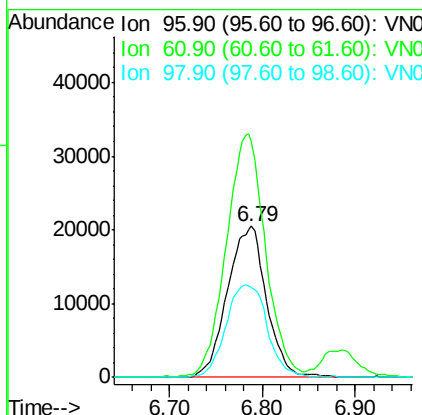
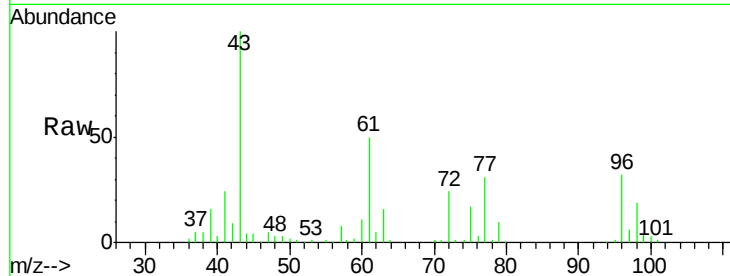
#27
 cis-1,2-Dichloroethene
 Concen: 18.831 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	321.2
98	64.5	0.0	124.4

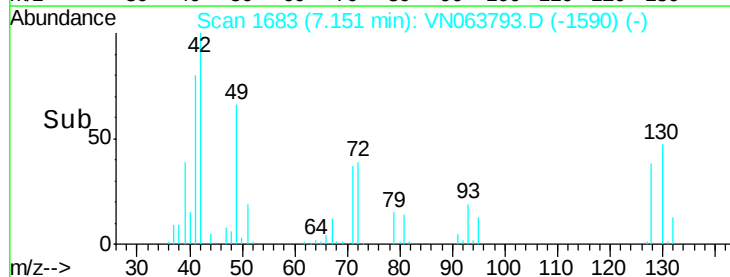
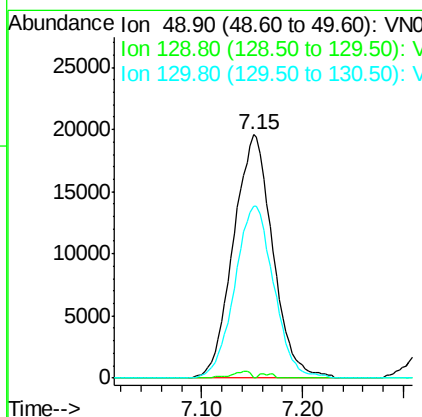
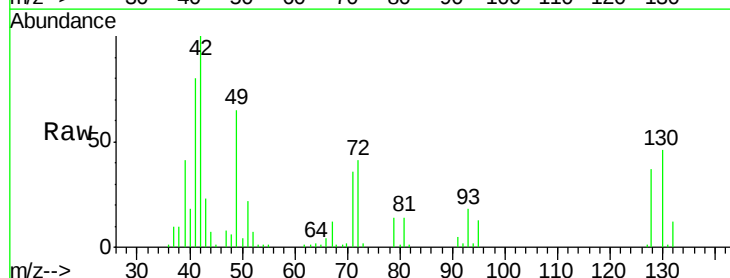
Manual Integrations
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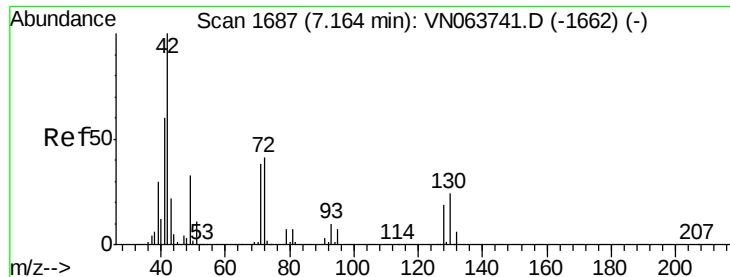
MMDadoda
 10/2/2020 3:12:04 PM



#28
 Bromochloromethane
 Concen: 19.846 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.8
130	70.1	55.6	83.4





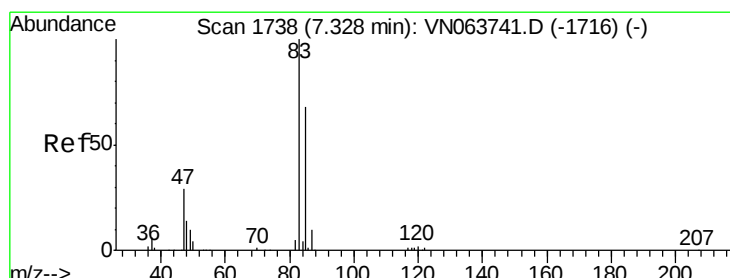
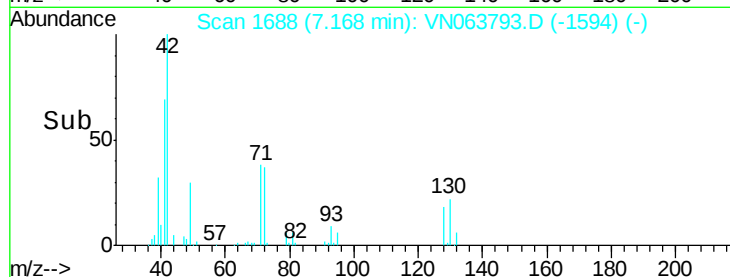
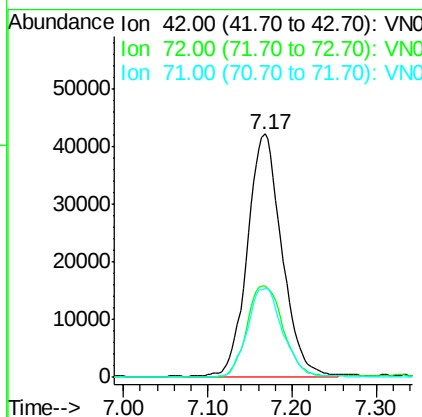
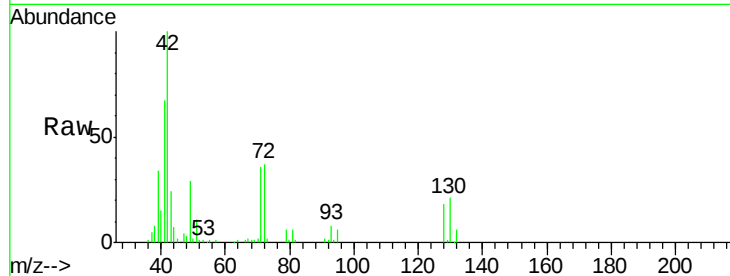
#29
Tetrahydrofuran
Concen: 102.018 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.8	49.2
71	37.2	30.6	45.8

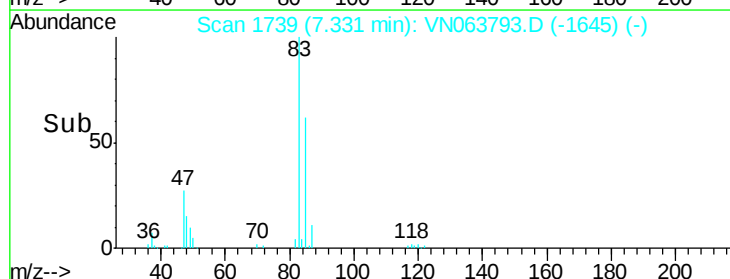
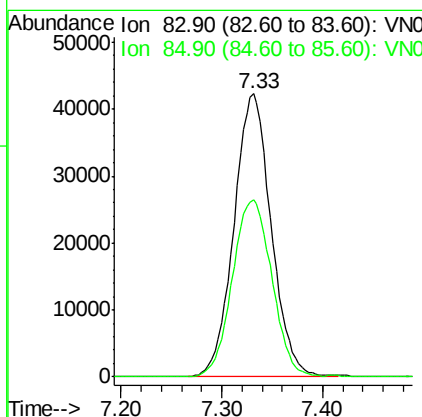
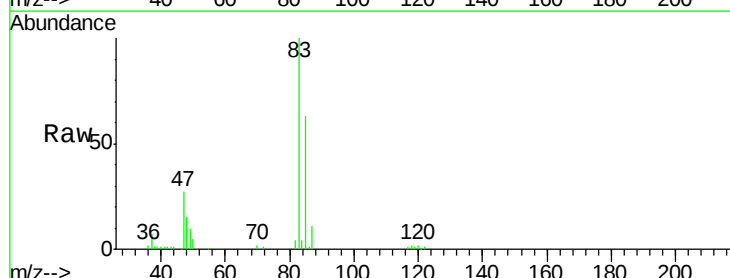
Manual Integrations
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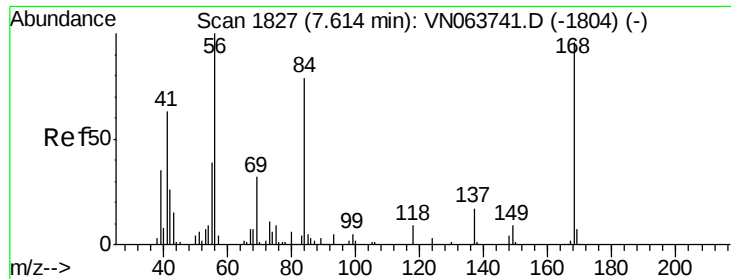
MMDadoda
10/2/2020 3:12:04 PM



#30
Chloroform
Concen: 19.255 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	54.6	82.0





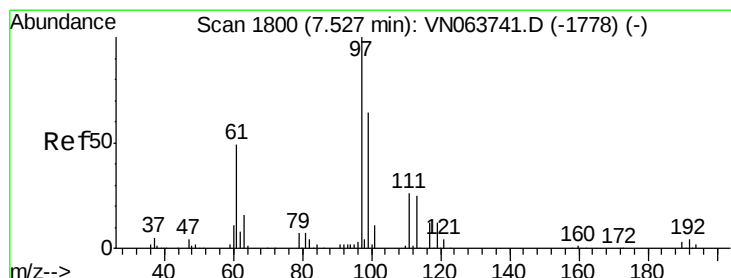
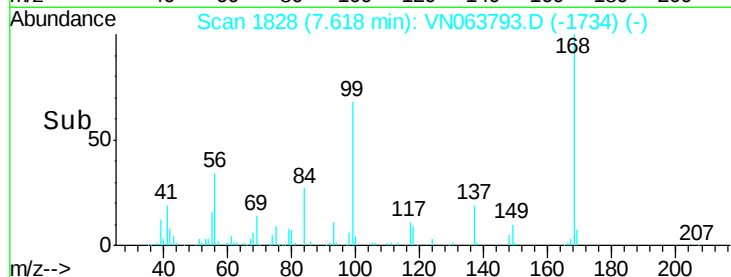
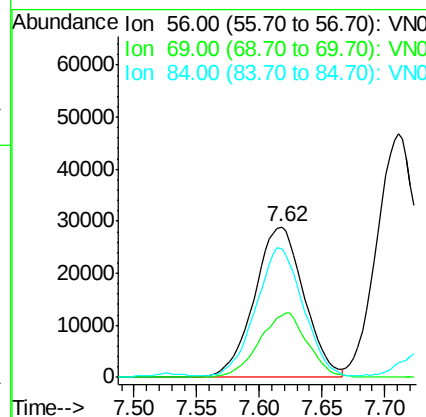
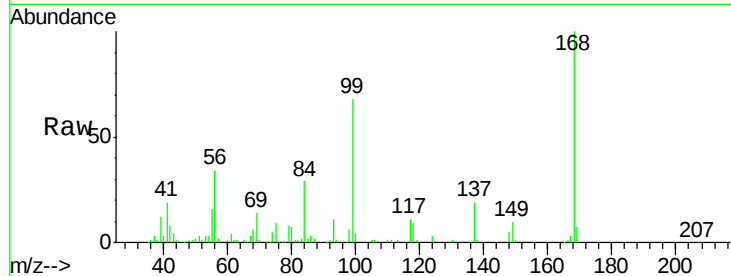
#31
Cyclohexane
Concen: 16.957 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.5	25.4	38.2#
84	84.8	63.3	94.9

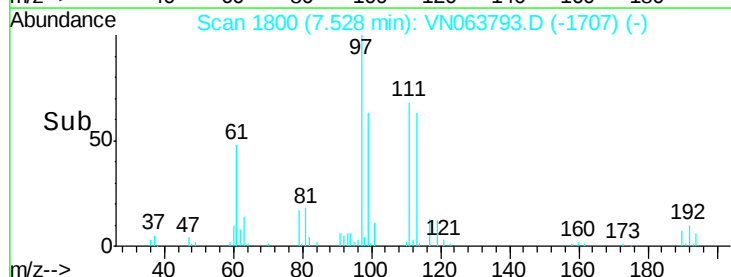
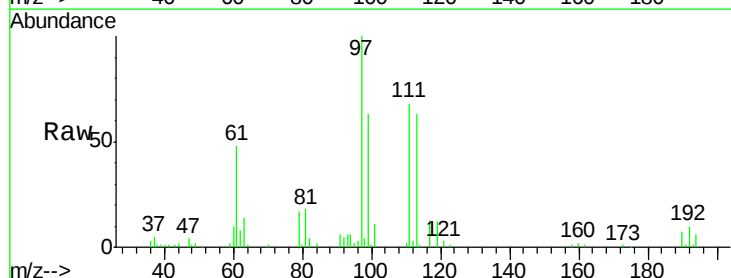
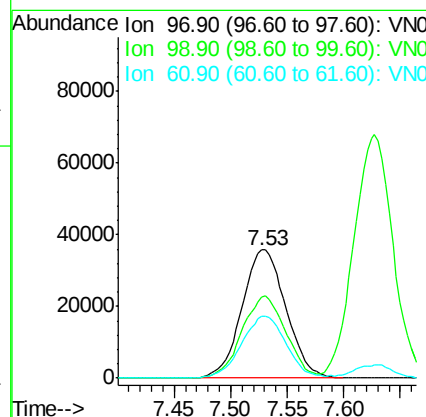
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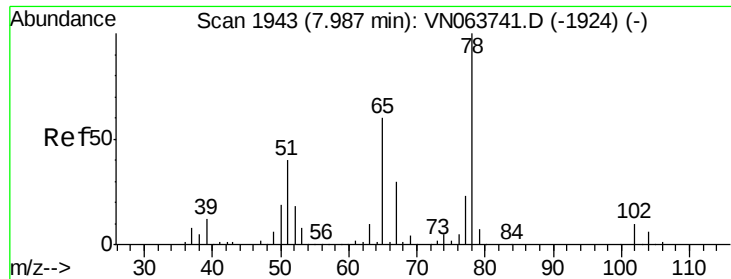
MMDadoda
10/2/2020 3:12:04 PM



#32
1,1,1-Trichloroethane
Concen: 19.076 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	49.0	38.7	58.1





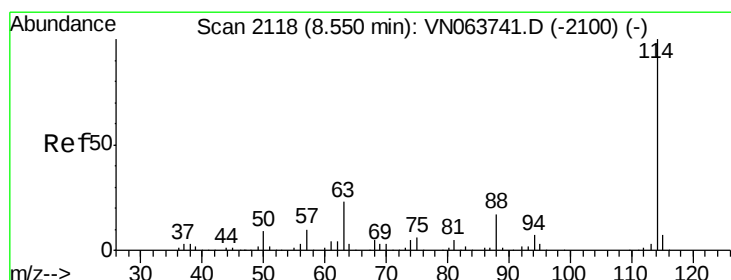
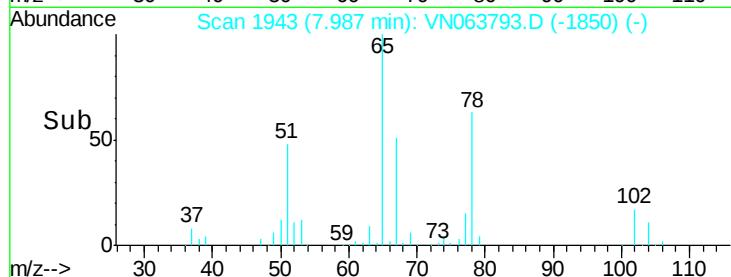
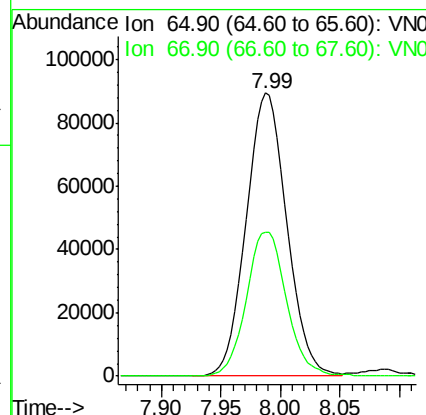
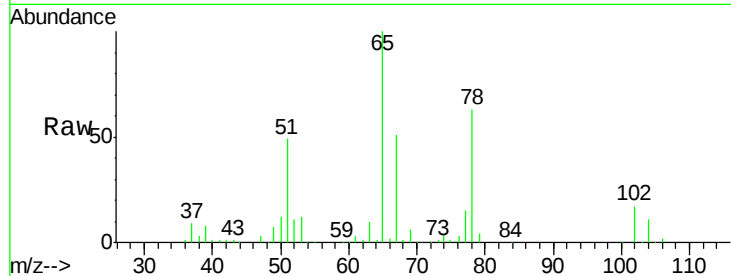
#33
 1,2-Dichloroethane-d4
 Concen: 52.241 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211518		
67	50.2	0.0	99.6	

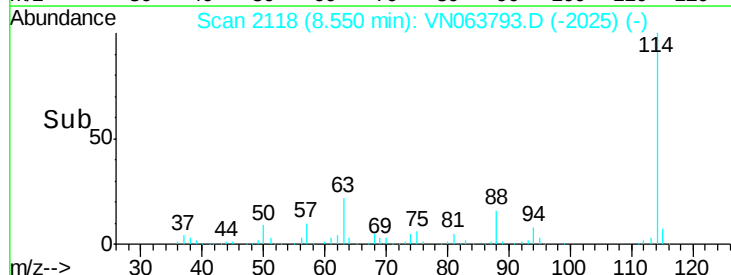
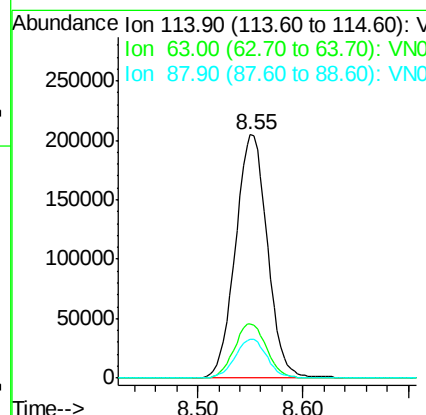
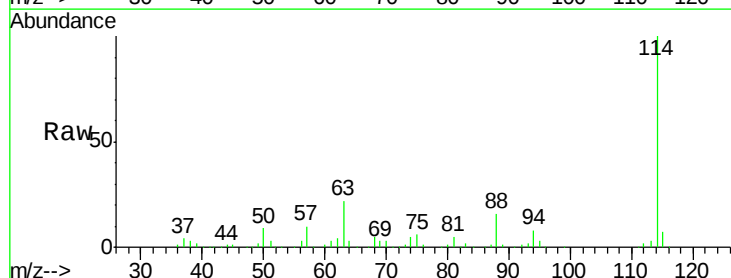
Manual Integrations
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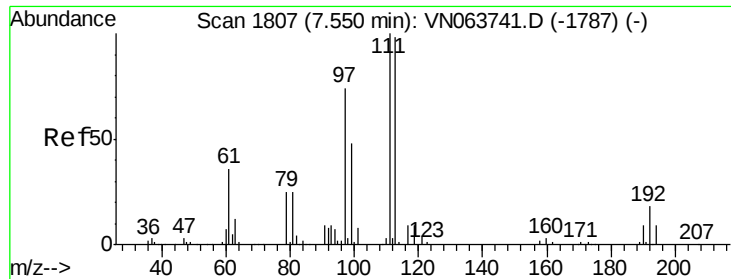
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	429839		
63	22.4	0.0	45.0	
88	15.8	0.0	34.0	





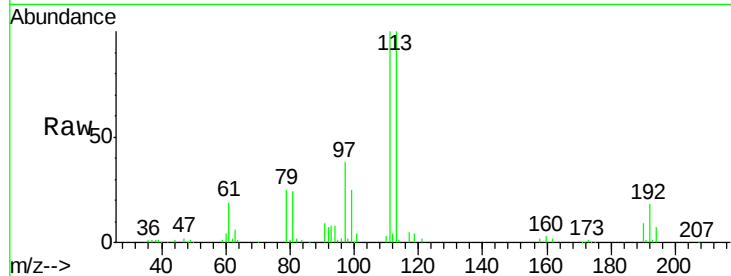
#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

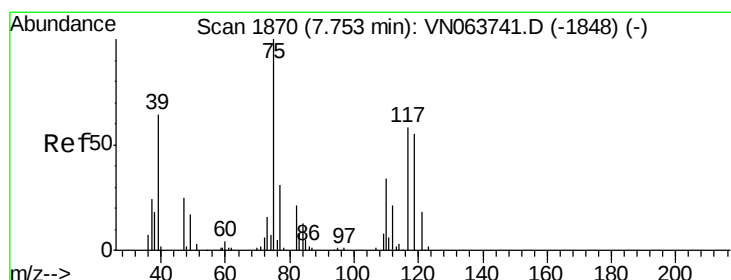
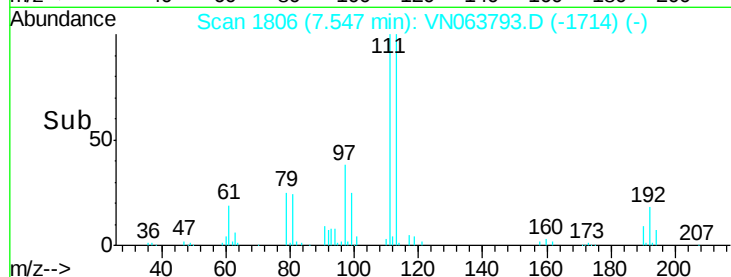
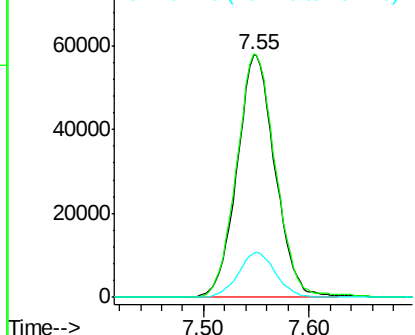
Tot Ion	Ratio	Resp	Lower	Upper
113	100	144299		
111	103.2	81.8	122.8	
192	18.3	14.2	21.2	

Manual Integrations
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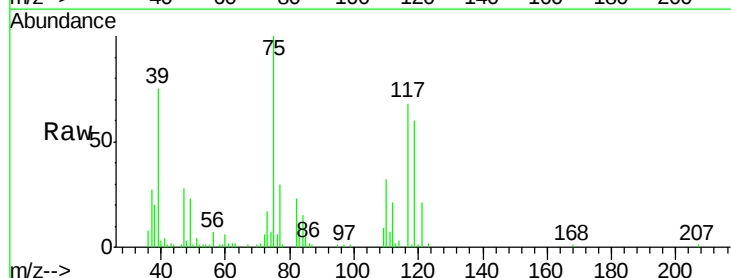


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

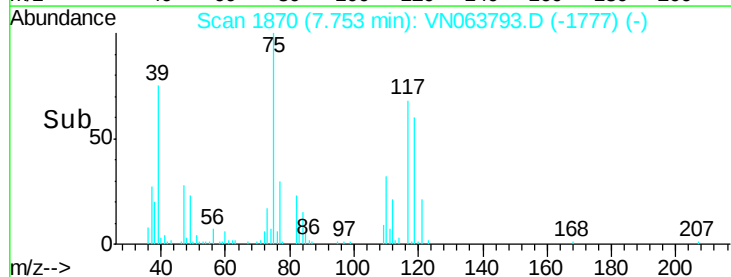
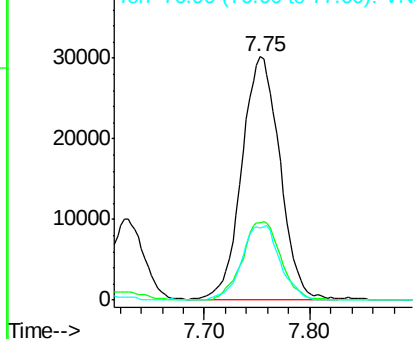


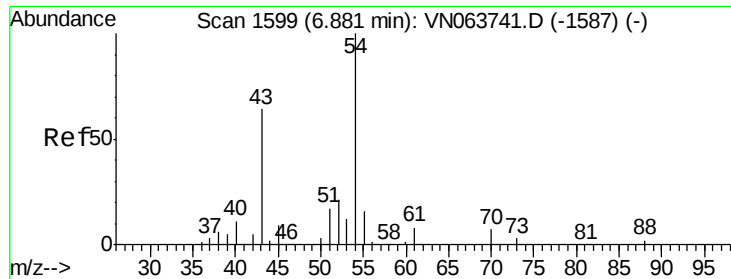
#36
1,1-Dichloropropene
Concen: 17.501 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76213		
110	32.1	16.9	50.6	
77	30.6	24.5	36.7	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





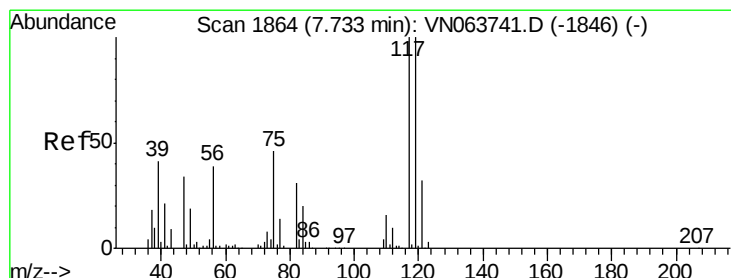
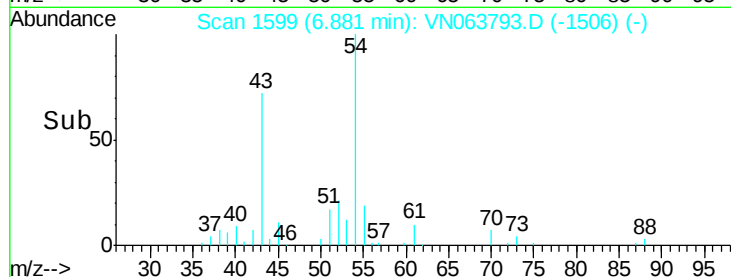
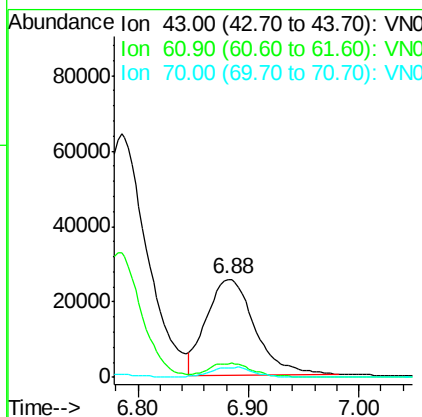
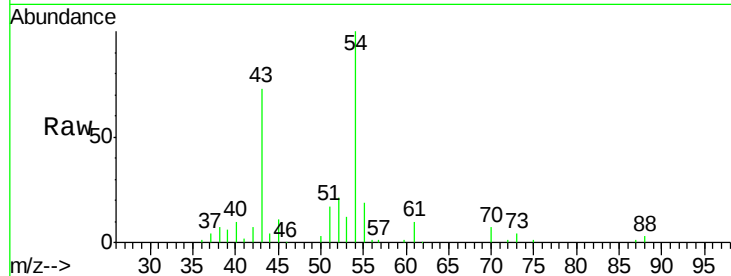
#37
Ethyl Acetate
Concen: 17.953 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 43 Resp: 77672
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 9.4 7.3 10.9

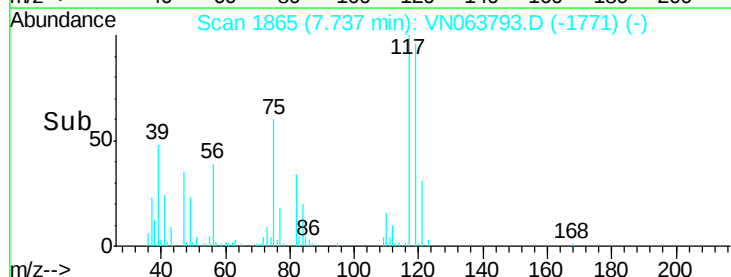
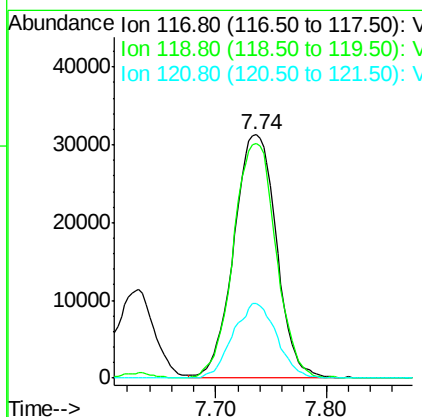
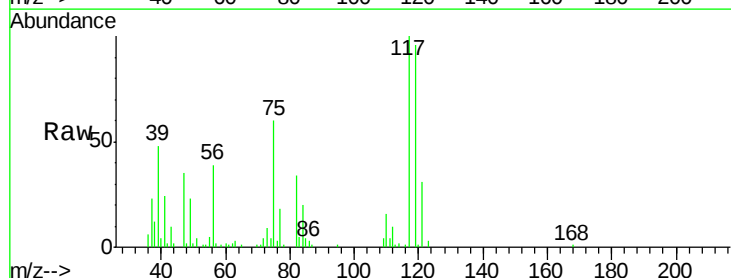
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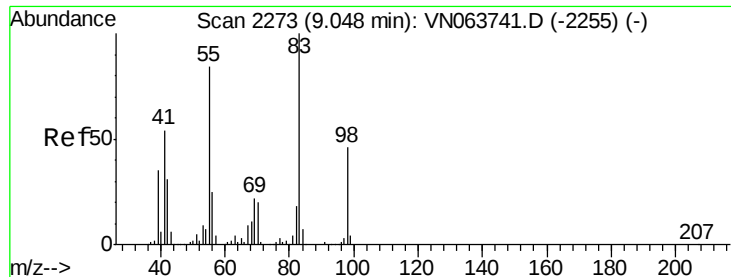
MMDadoda
10/2/2020 3:12:04 PM



#38
Carbon Tetrachloride
Concen: 17.151 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 117 Resp: 83750
Ion Ratio Lower Upper
117 100
119 96.3 80.1 120.1
121 30.9 25.7 38.5





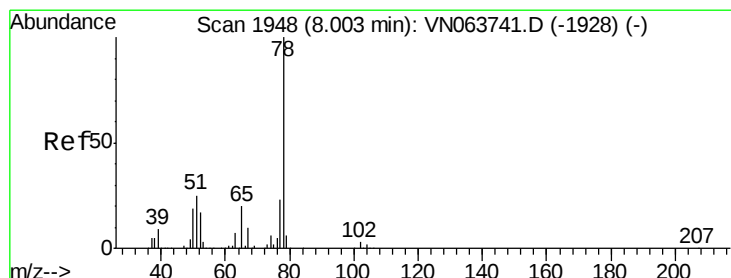
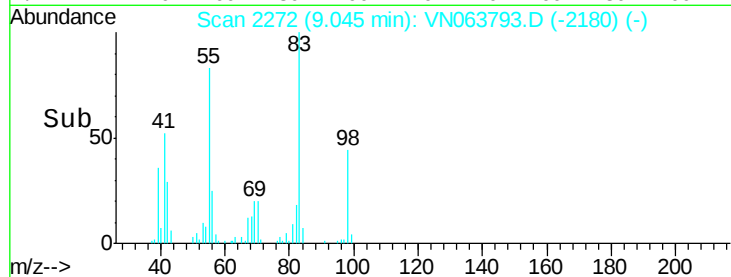
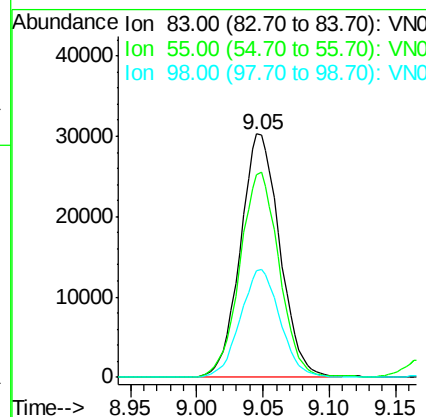
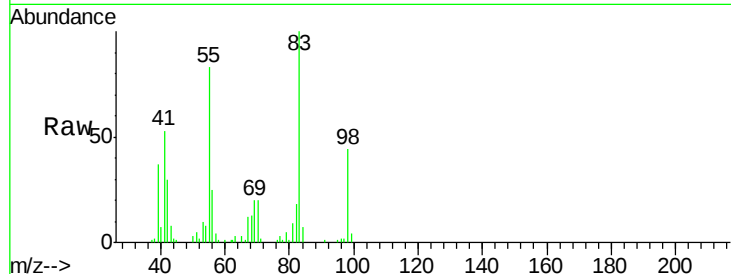
#39
Methvlcvclohexane
Concen: 14.402 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.1	100.7
98	43.8	36.6	54.8

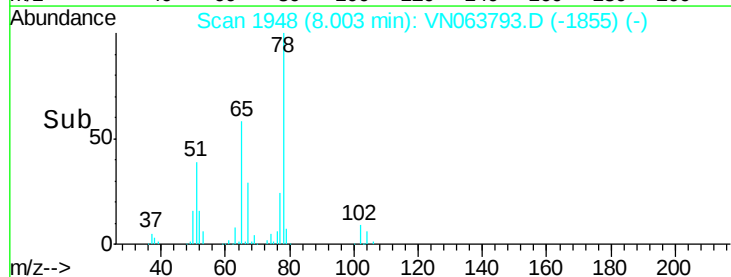
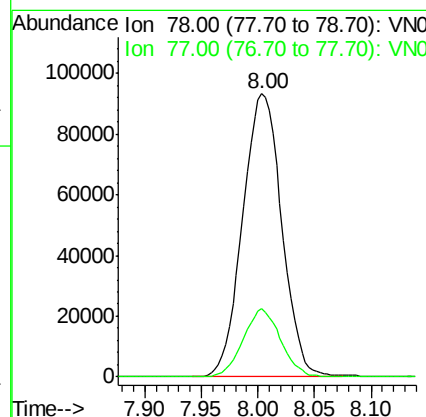
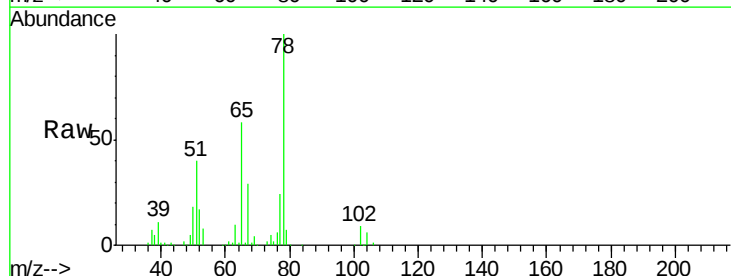
Manual Integrations
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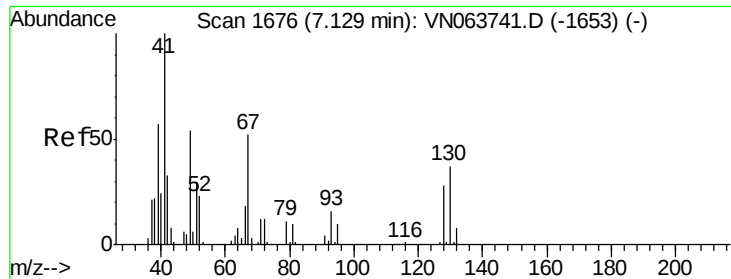
MMDadoda
10/2/2020 3:12:04 PM



#40
Benzene
Concen: 18.073 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





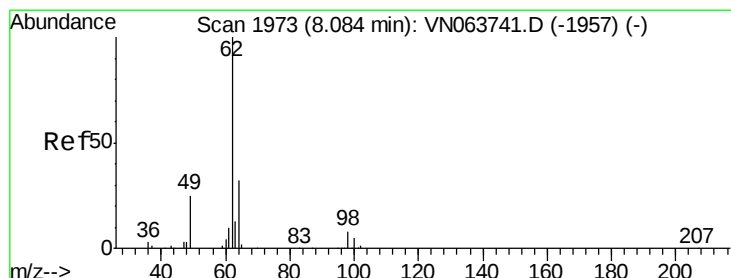
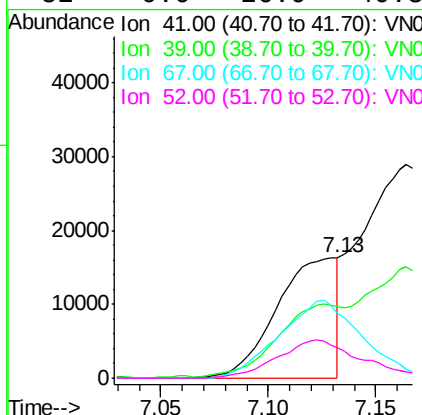
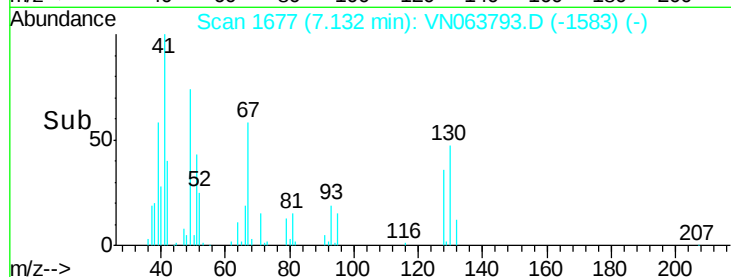
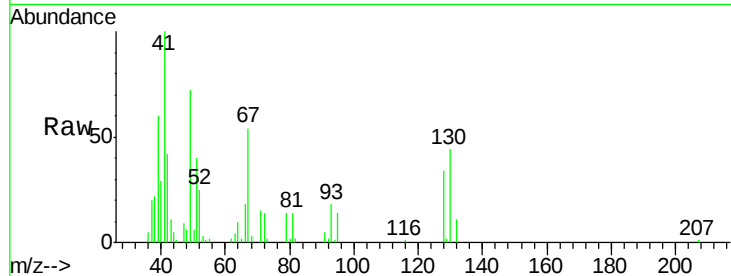
#41
Methacrylonitrile
Concen: 16.783 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

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#

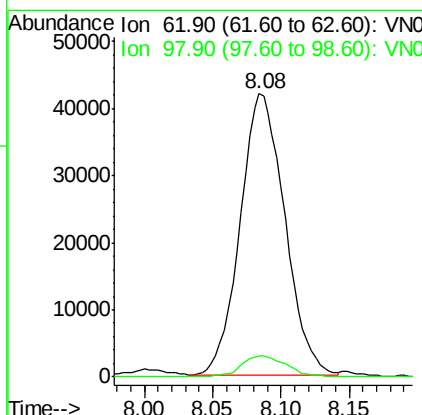
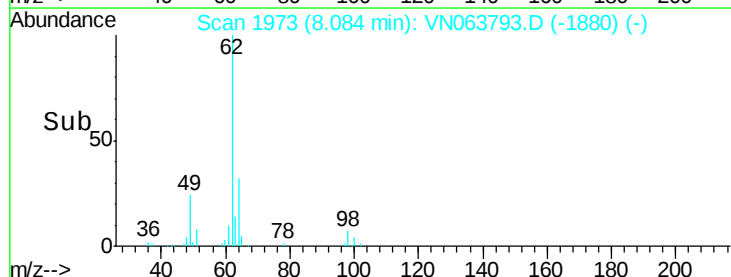
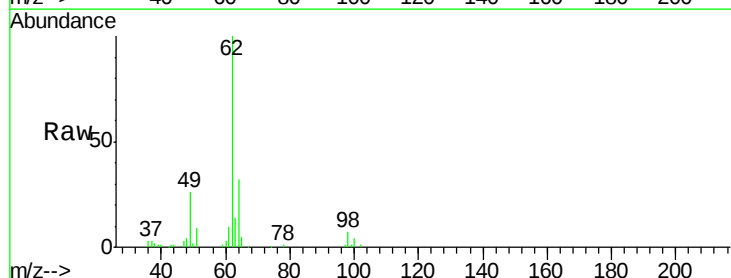
Manual Integrations
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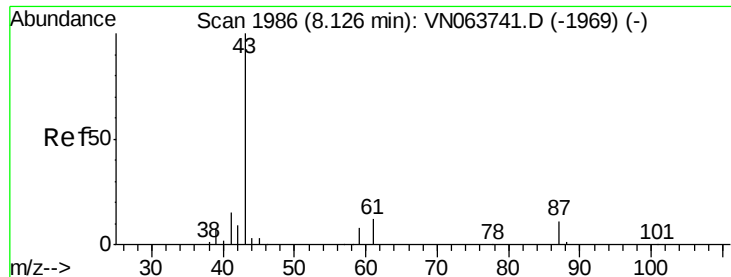
MMDadoda
10/2/2020 3:12:04 PM



#42
1,2-Dichloroethane
Concen: 17.906 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 18.650 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

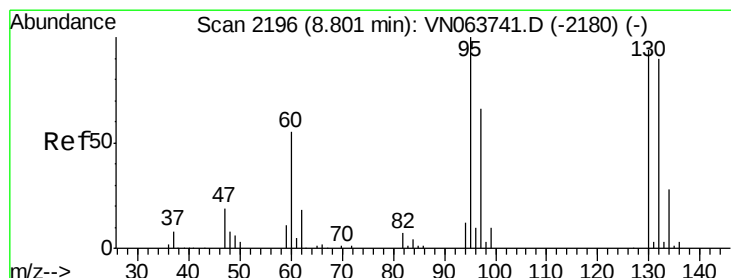
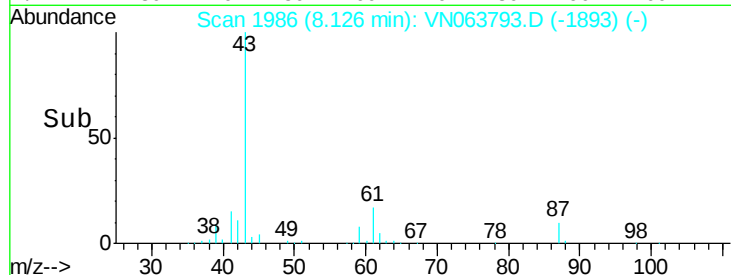
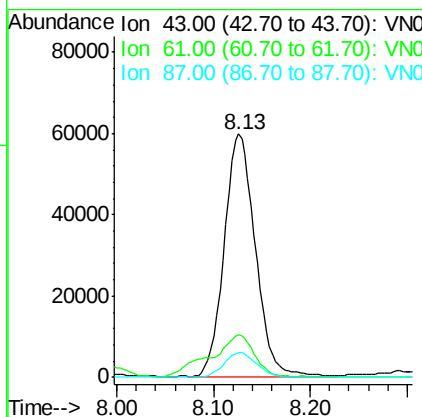
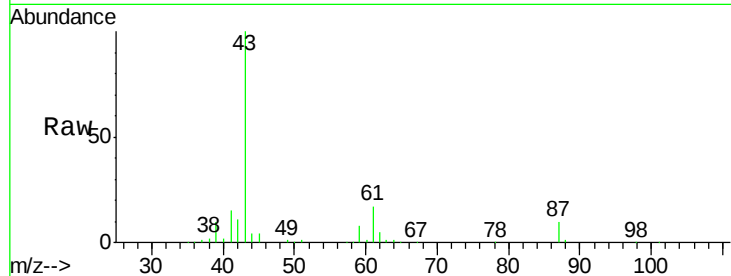
ClientSampleId :

VN1001WBSD02

Tot Ion:	43	Resp:	133092
Ion	Ratio	Lower	Upper
43	100		
61	25.0	14.2	21.4#
87	10.8	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 17.061 ug/l

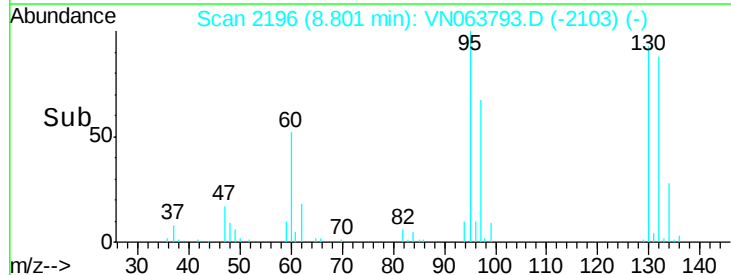
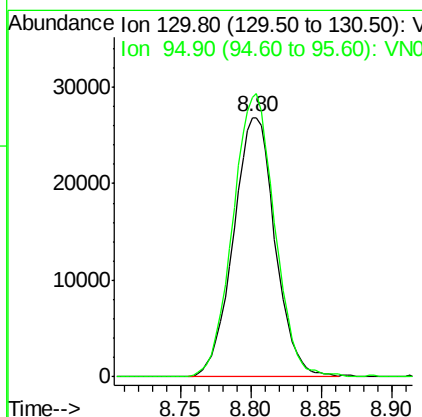
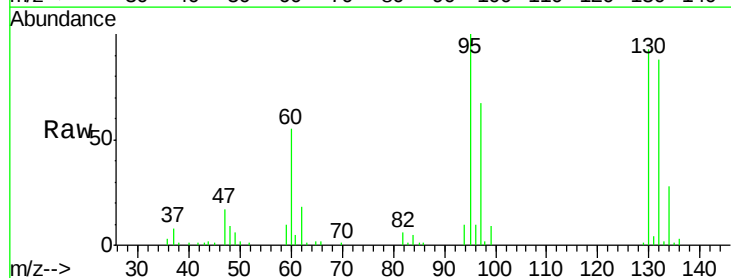
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	130	Resp:	55601
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	213.6





#45

1,2-Dichloropropane

Concen: 18.215 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 63 Resp: 61187

Ion Ratio Lower Upper

63 100

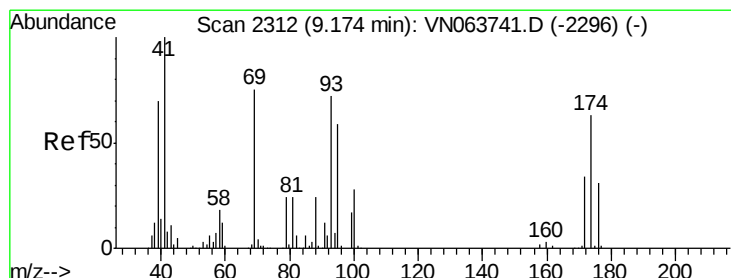
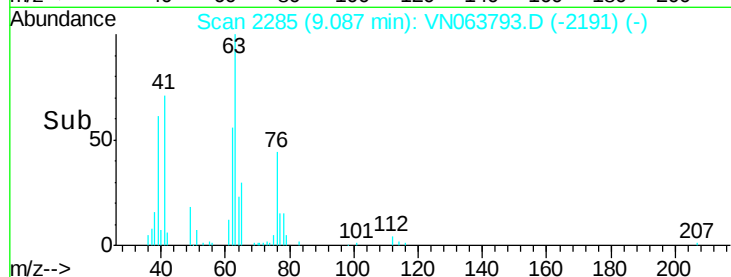
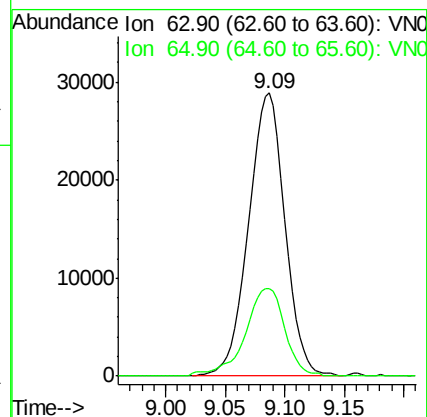
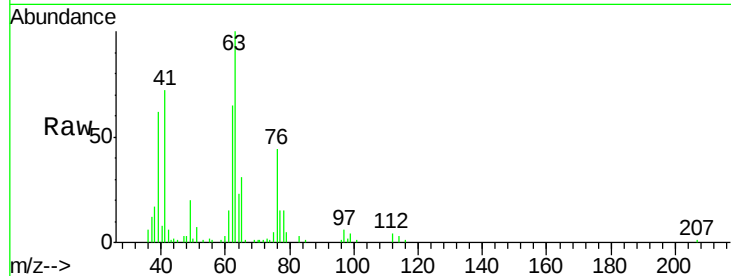
65 30.9 24.7 37.1

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 19.033 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

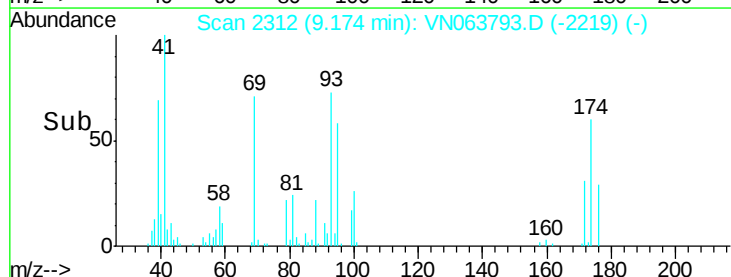
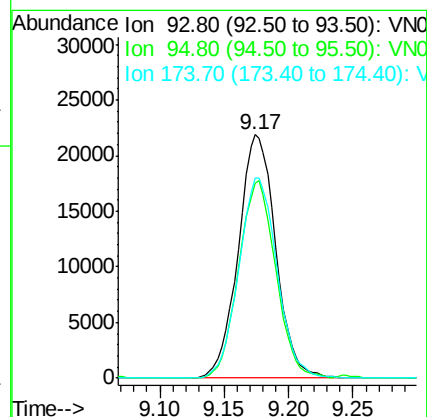
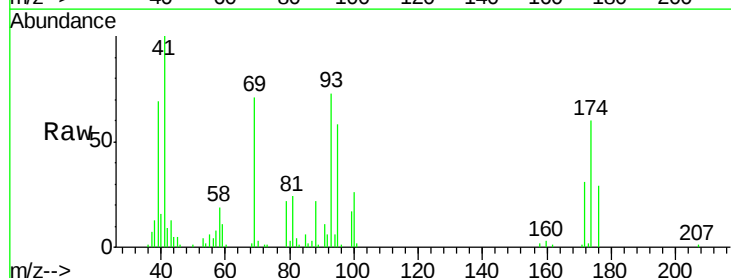
Tgt Ion: 93 Resp: 44105

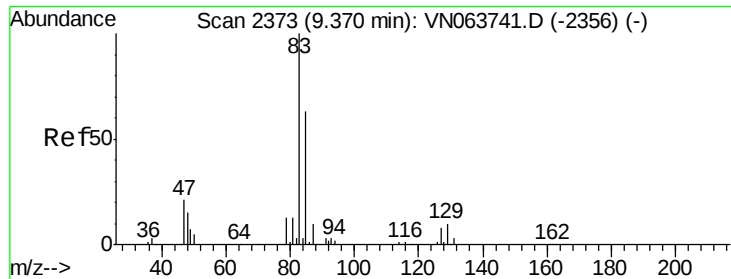
Ion Ratio Lower Upper

93 100

95 80.5 66.3 99.5

174 84.1 72.7 109.1





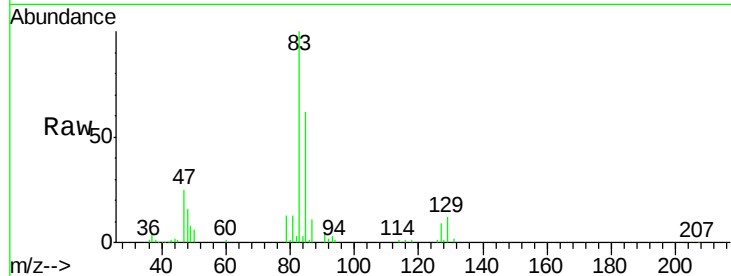
#47
Bromodichloromethane
Concen: 18.065 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

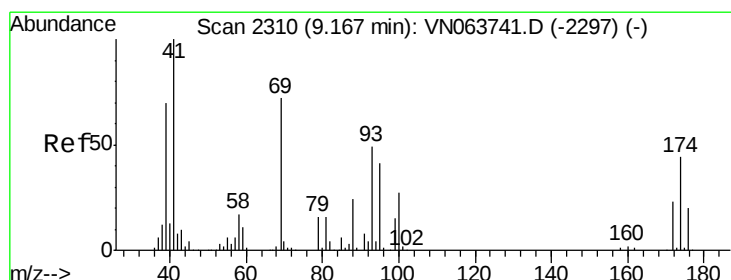
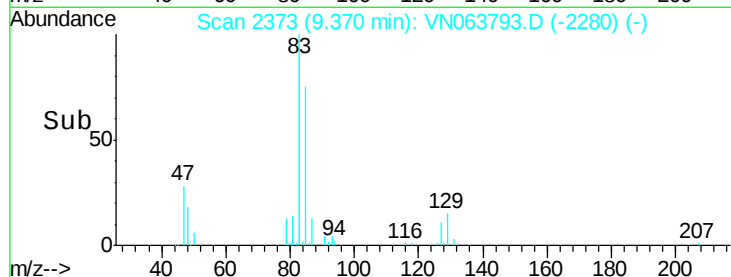
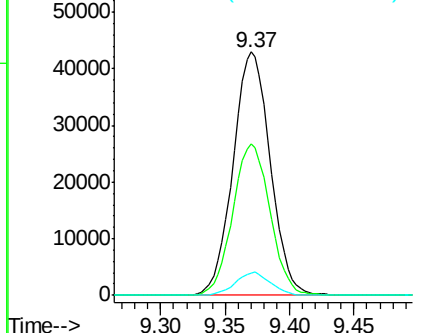
Tot Ion	83	Resp	86273
Ion Ratio	100		
85	62.2	50.6	75.8
127	9.3	6.6	9.8

Manual Integrations
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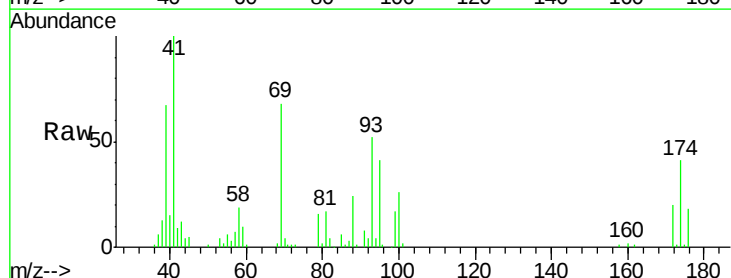


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

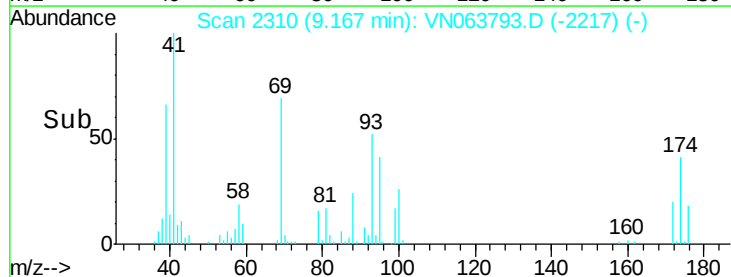
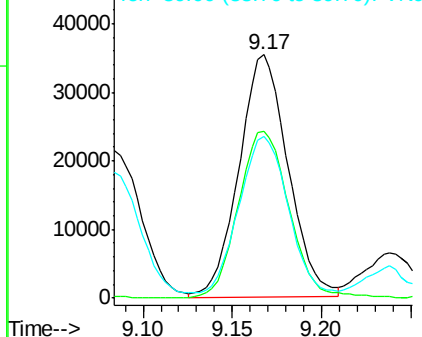


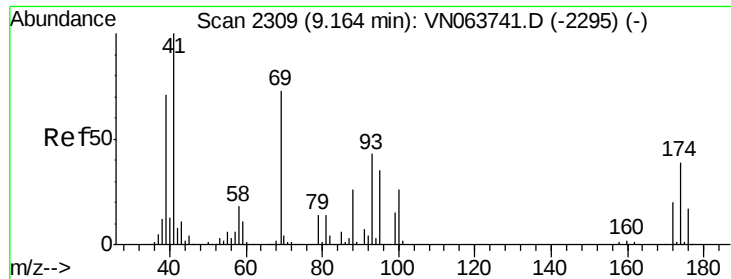
#48
Methyl methacrylate
Concen: 19.255 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	41	Resp	67890
Ion Ratio	100		
69	71.3	60.9	91.3
39	66.9	57.5	86.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





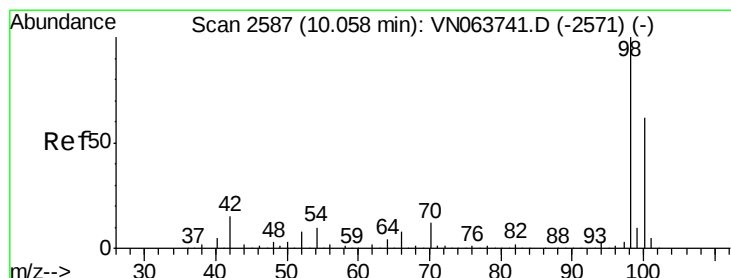
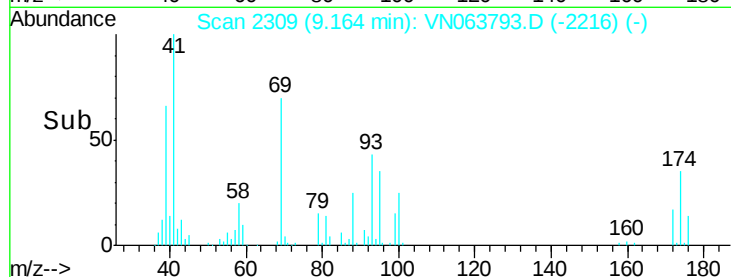
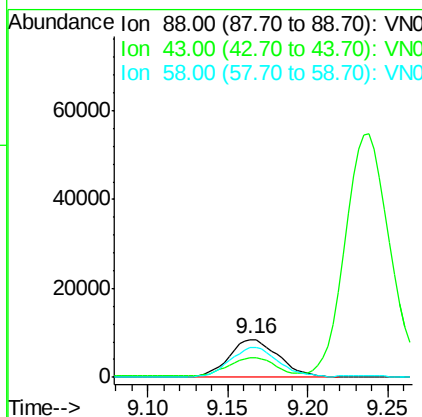
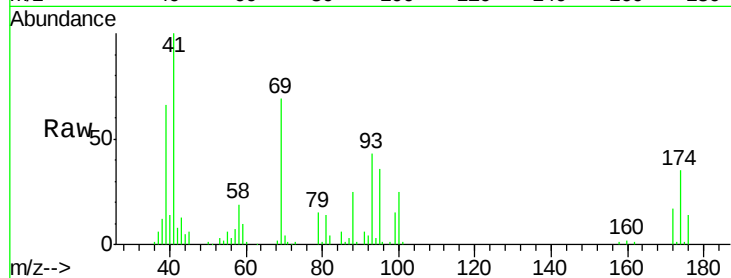
#49
1,4-Dioxane
Concen: 361.233 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.4	33.1	49.7
58	78.4	58.9	88.3

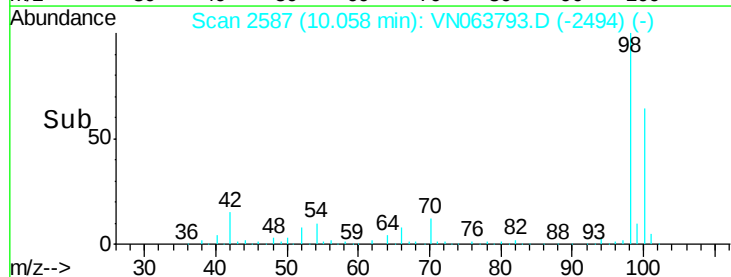
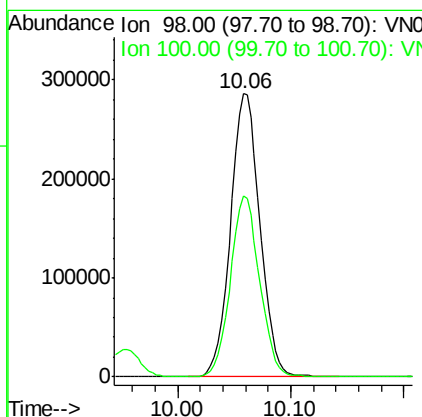
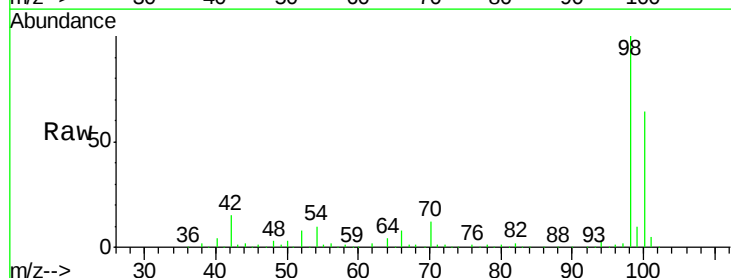
Manual Integrations
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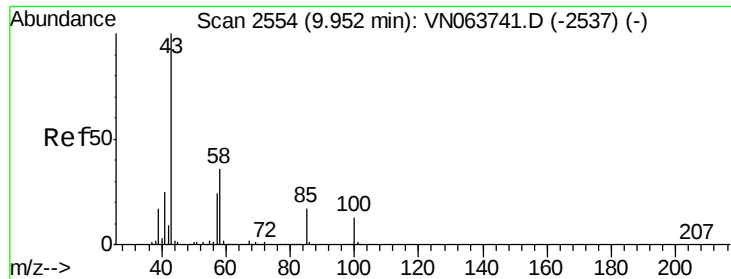
MMDadoda
10/2/2020 3:12:04 PM



#50
Toluene-d8
Concen: 45.709 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.6





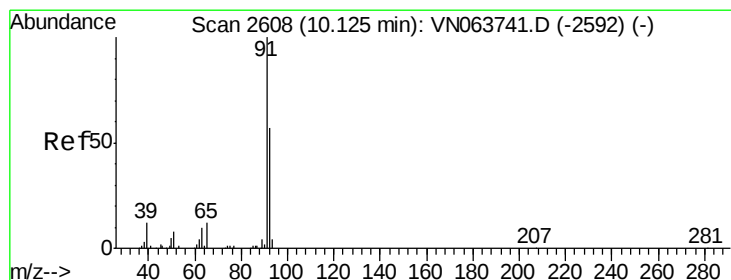
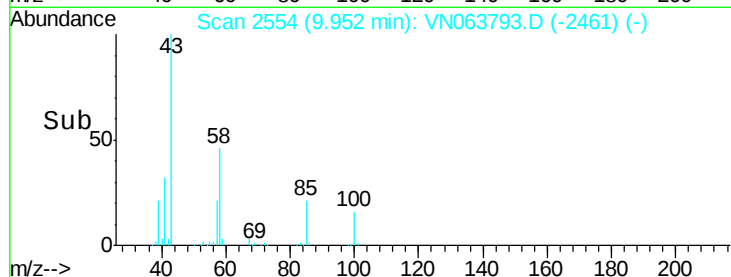
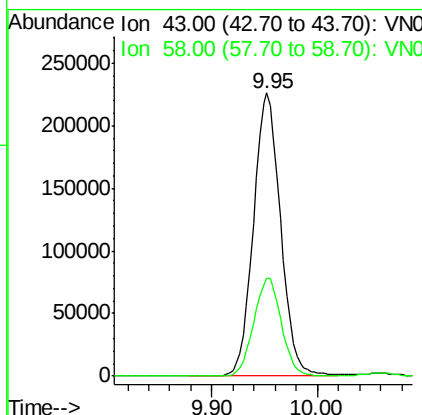
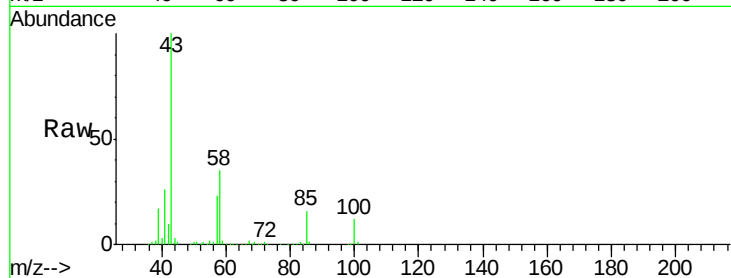
#51
4-Methyl-2-Pentanone
Concen: 96.655 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD02

Tot Ion	43	Resp	404779
Ion Ratio	100	Lower	Upper
58	35.4	28.4	42.6

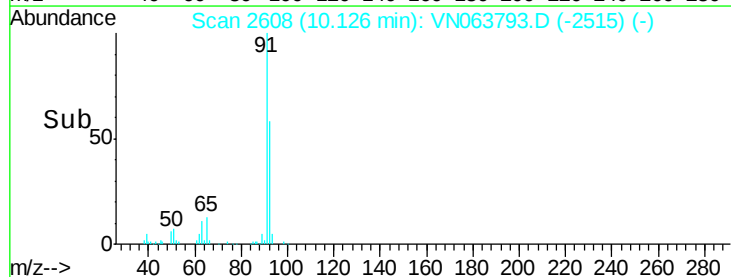
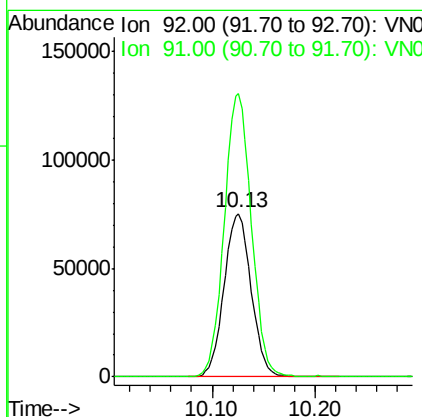
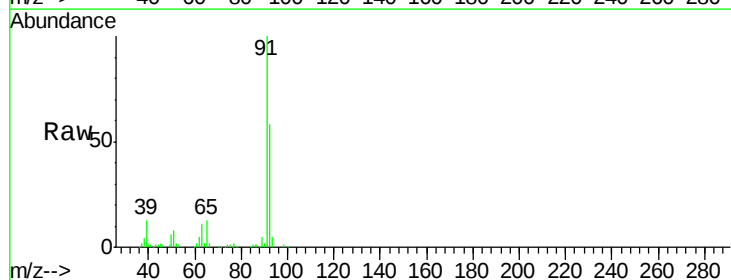
Manual Integrations
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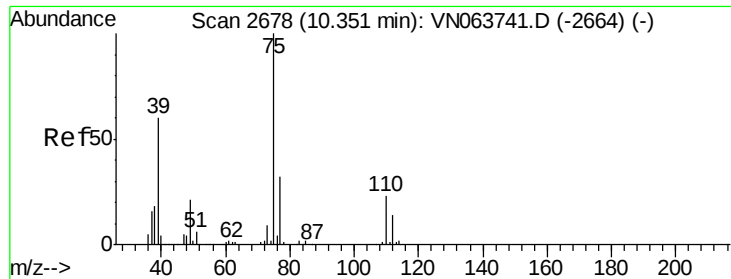
MMDadoda
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#52
Toluene
Concen: 17.970 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	92	Resp	138247
Ion Ratio	100	Lower	Upper
91	173.0	140.6	210.8





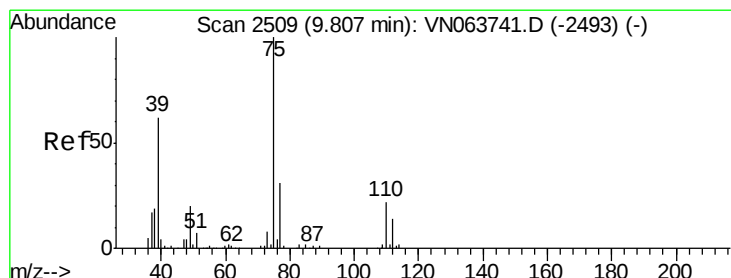
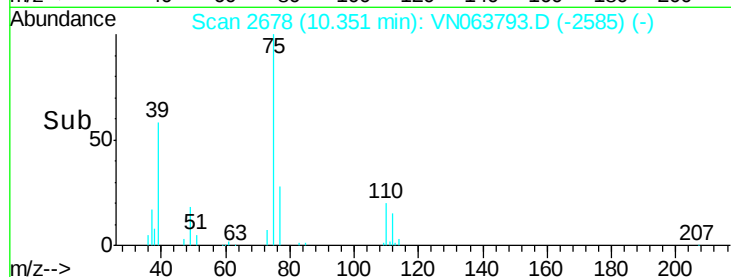
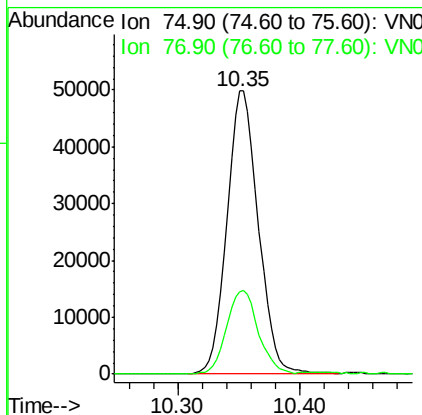
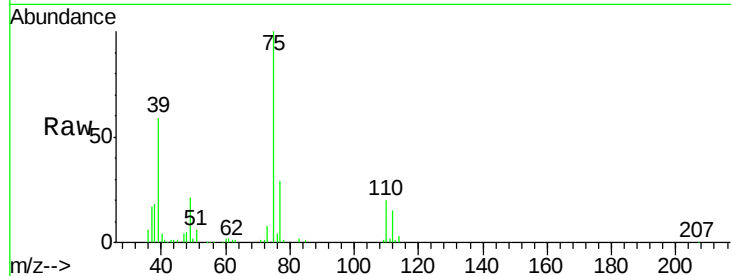
#53
t-1,3-Dichloropropene
Concen: 17.489 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 75 Resp: 89535
Ion Ratio Lower Upper
75 100
77 28.9 25.3 37.9

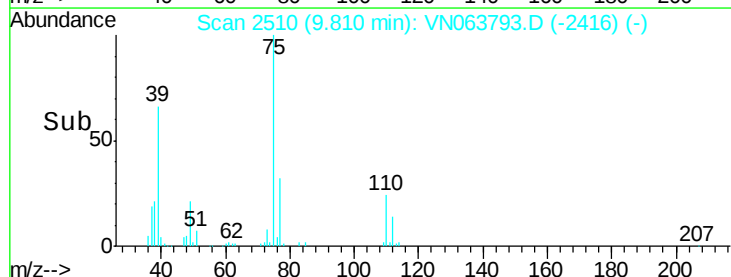
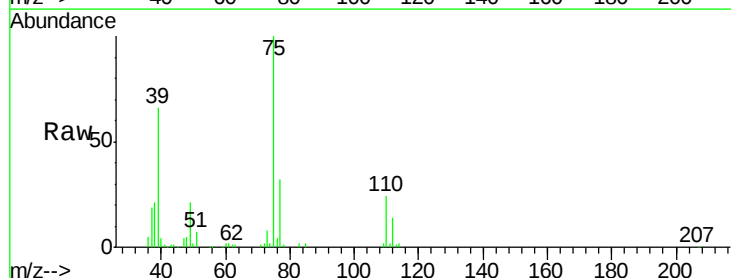
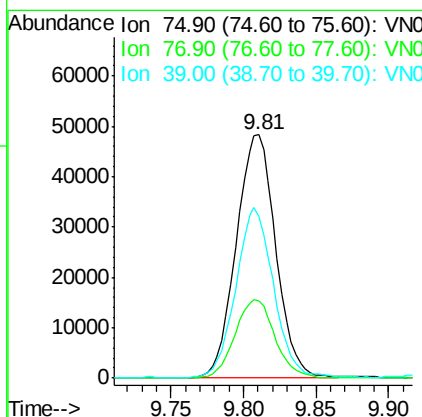
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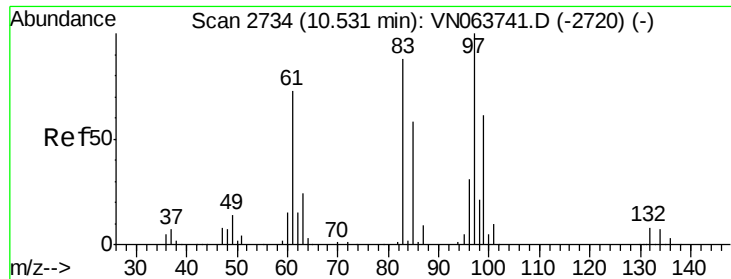
MMDadoda
10/2/2020 3:12:04 PM



#54
cis-1,3-Dichloropropene
Concen: 17.126 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 75 Resp: 91694
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 65.9 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 18.336 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

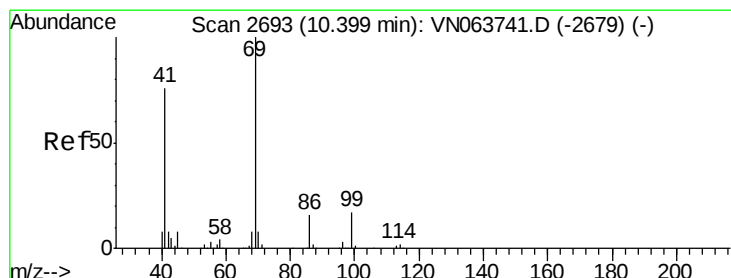
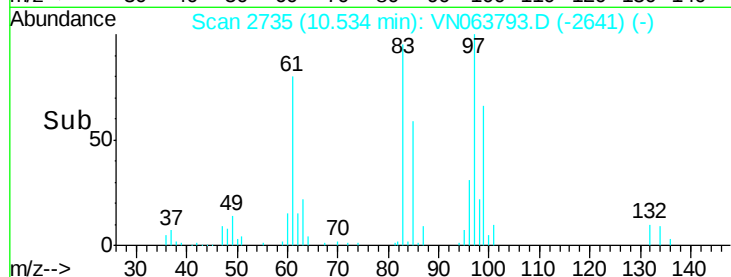
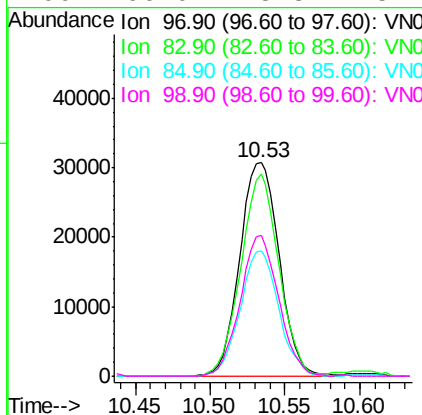
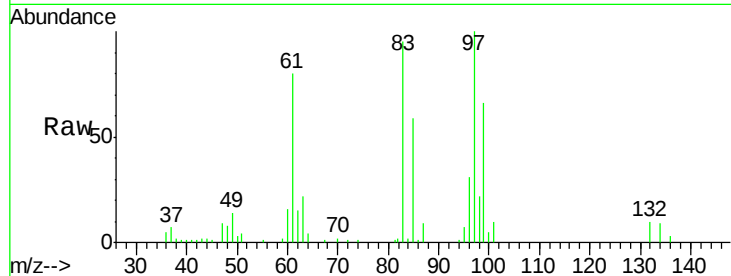
ClientSampleId :

VN1001WBSD02

Tot Ion:	97	Resp:	56571
Ion	Ratio	Lower	Upper
97	100		
83	94.6	70.7	106.1
85	59.0	46.1	69.1
99	66.0	48.8	73.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.345 ug/l

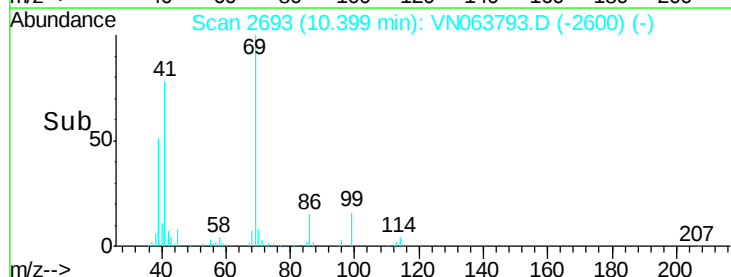
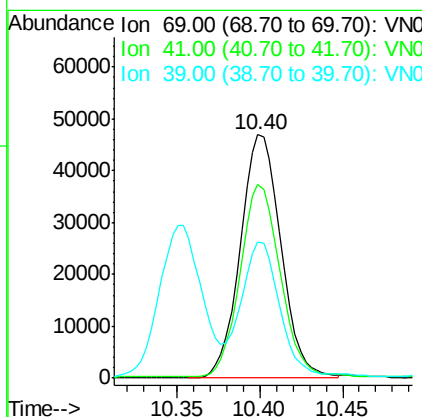
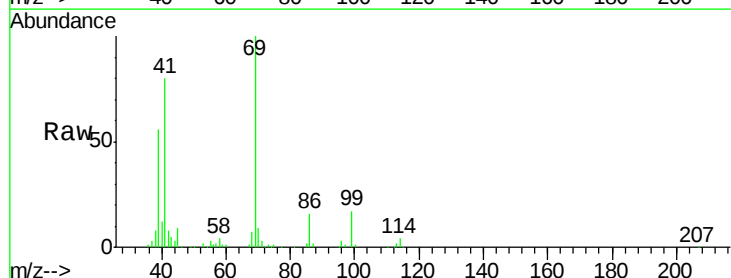
RT: 10.40 min Scan# 2693

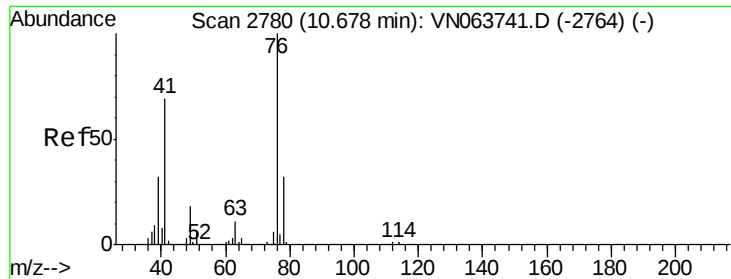
Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	69	Resp:	80229
Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.1	91.7
39	51.4	42.2	63.4





#57

1,3-Dichloropropane

Concen: 18.541 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 76 Resp: 96778

Ion Ratio Lower Upper

76 100

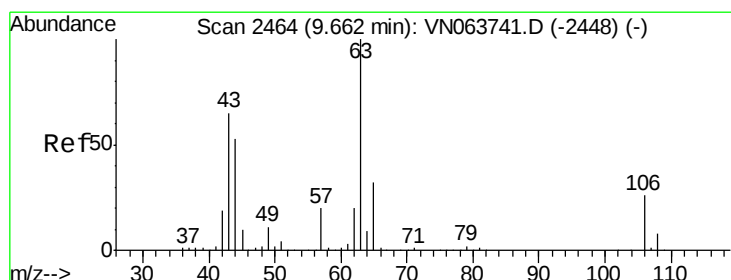
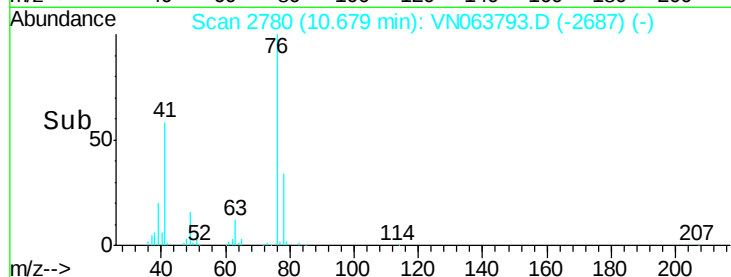
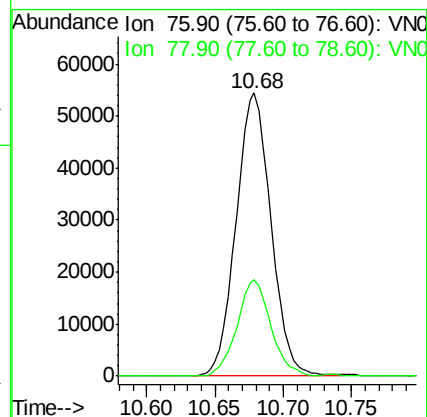
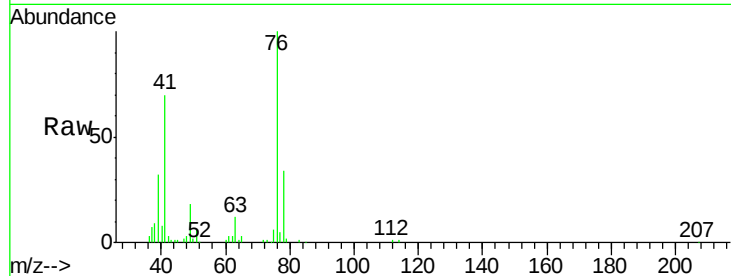
78 33.0 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.709 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063793.D

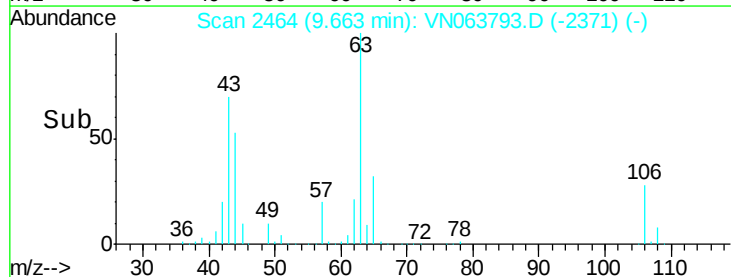
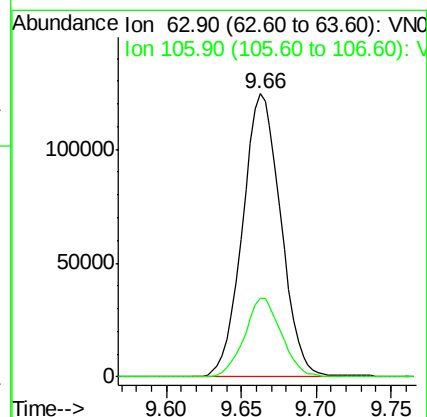
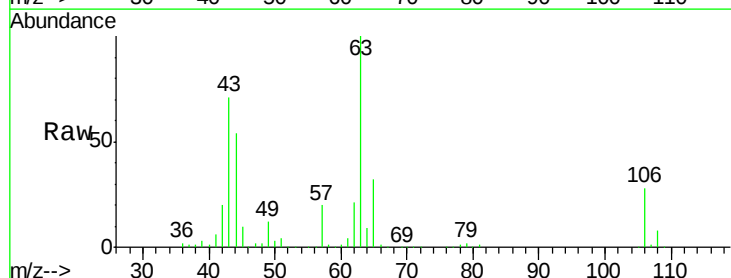
Acq: 2 Oct 2020 00:56

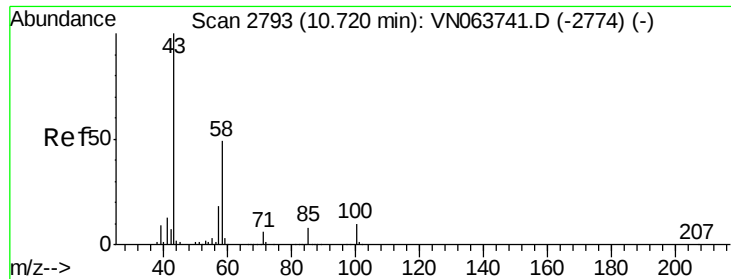
Tgt Ion: 63 Resp: 221556

Ion Ratio Lower Upper

63 100

106 27.0 20.7 31.1





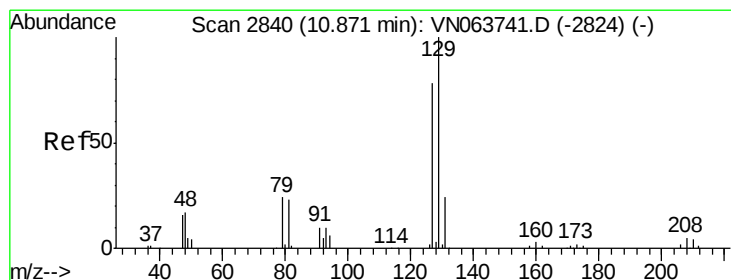
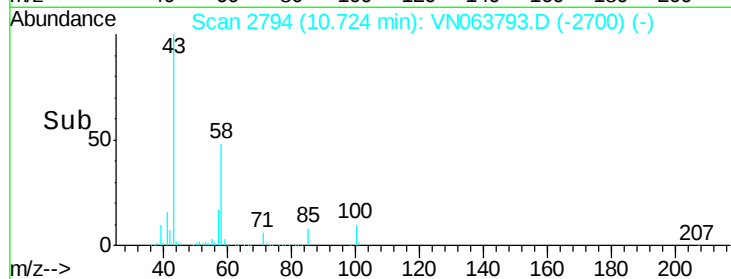
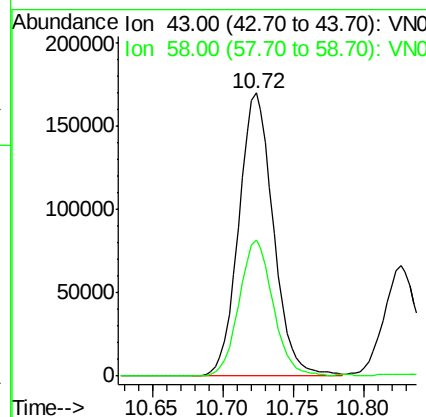
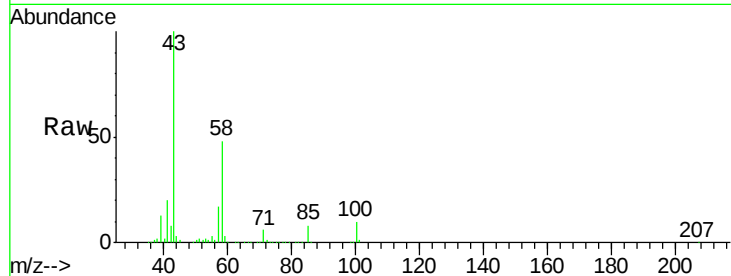
#59
2-Hexanone
Concen: 93.421 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 43 Resp: 290637
Ion Ratio Lower Upper
43 100
58 47.7 24.6 73.8

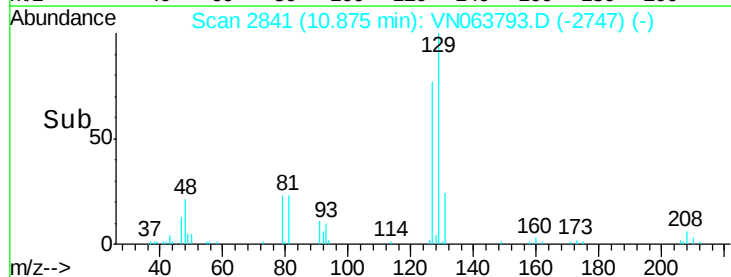
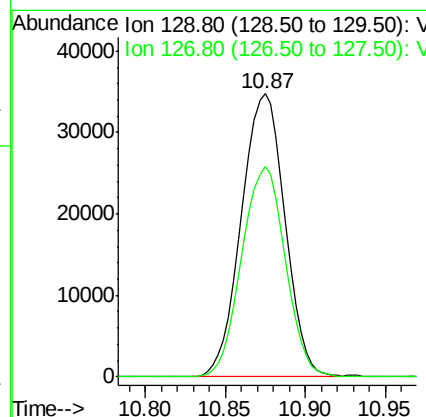
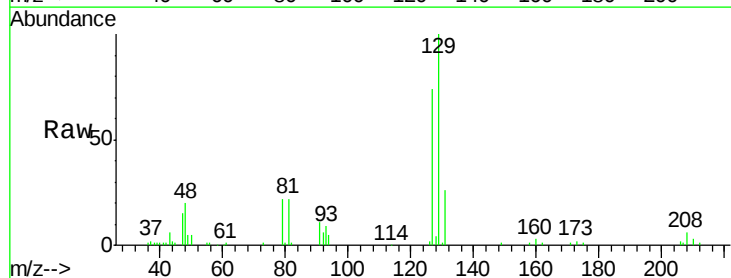
Manual Integrations
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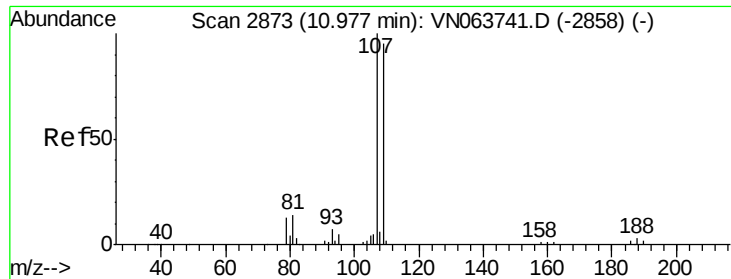
MMDadoda
10/2/2020 3:12:04 PM



#60
Dibromochloromethane
Concen: 17.990 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 129 Resp: 64639
Ion Ratio Lower Upper
129 100
127 74.3 38.9 116.7





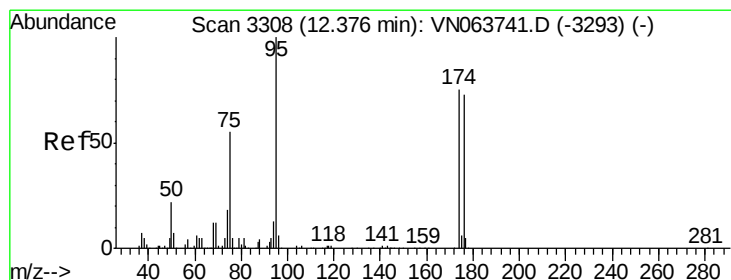
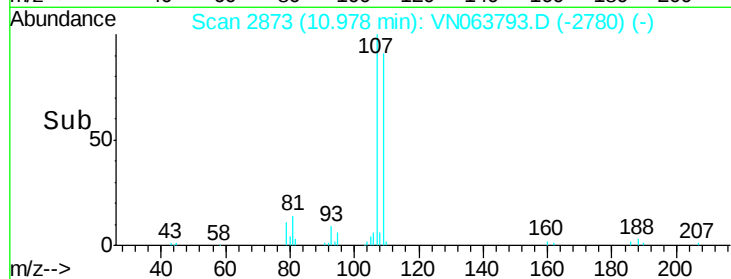
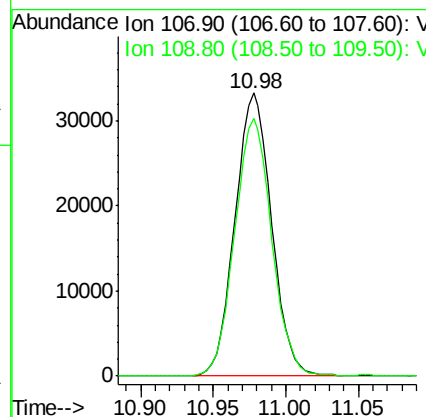
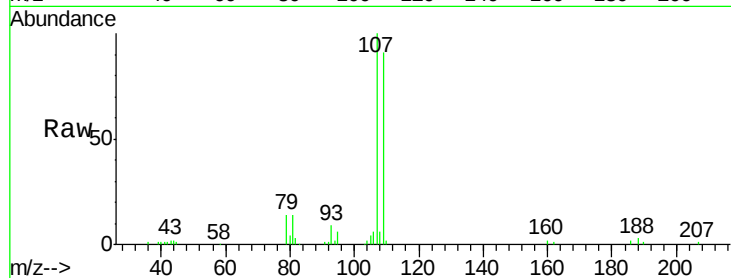
#61
 1,2-Dibromoethane
 Concen: 18.490 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.8	112.2

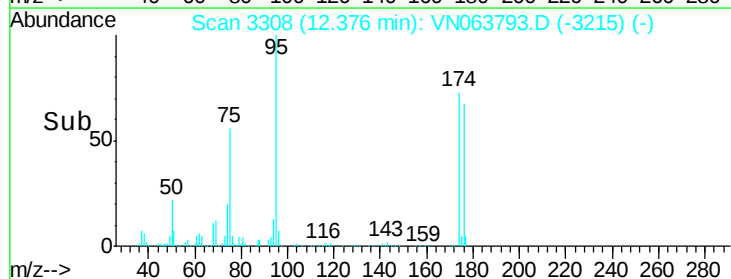
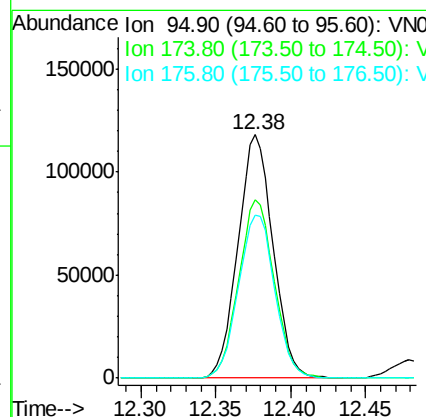
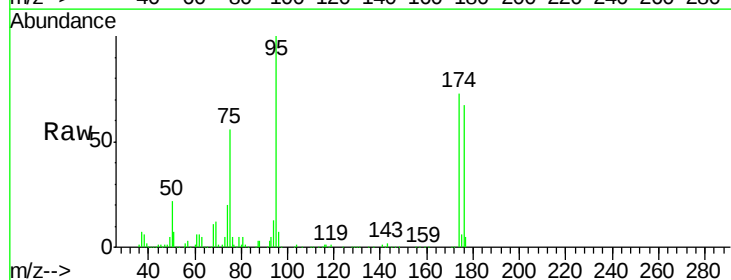
Manual Integrations
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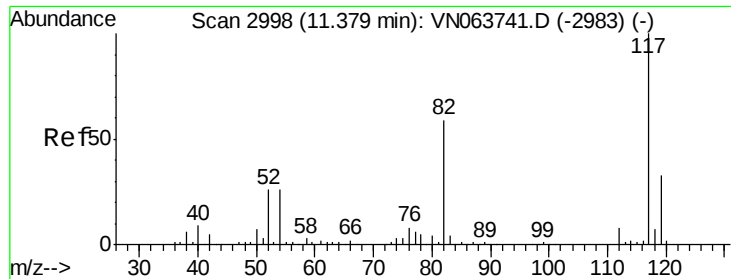
MMDadoda
 10/2/2020 3:12:04 PM



#62
 4-Bromofluorobenzene
 Concen: 45.417 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.6
176	69.5	0.0	145.4





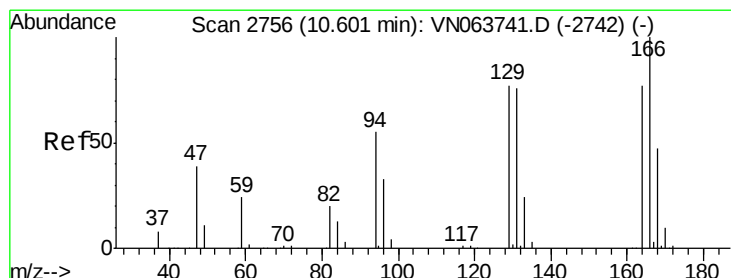
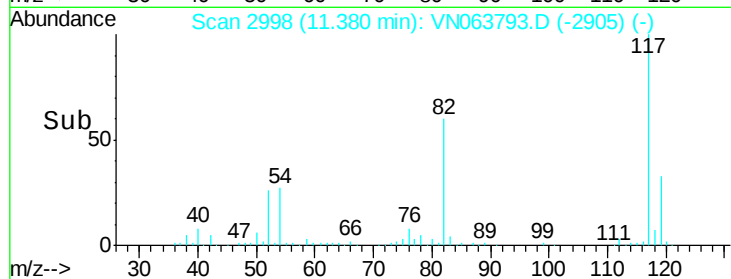
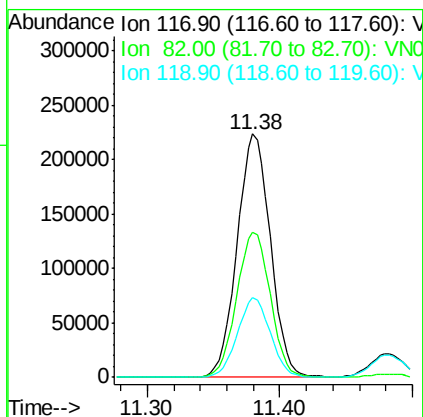
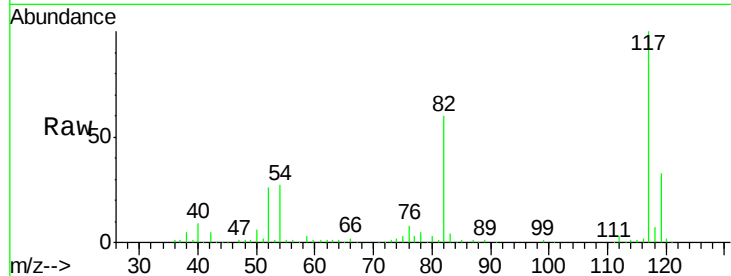
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	32.7	26.4	39.6

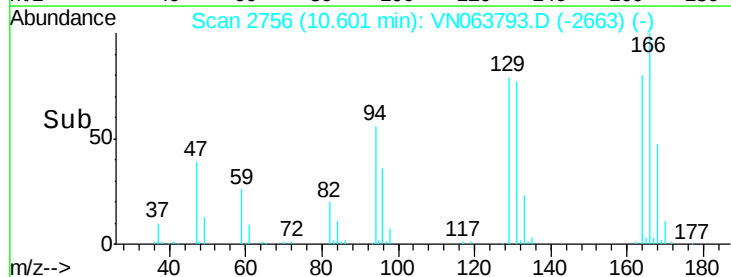
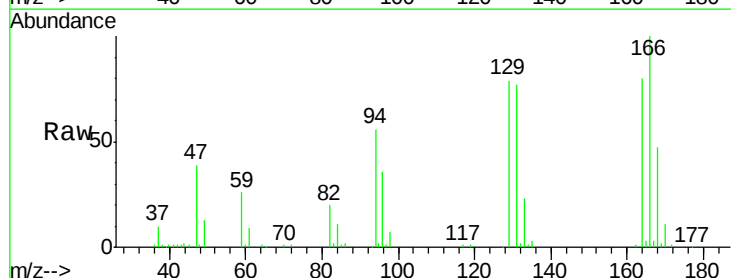
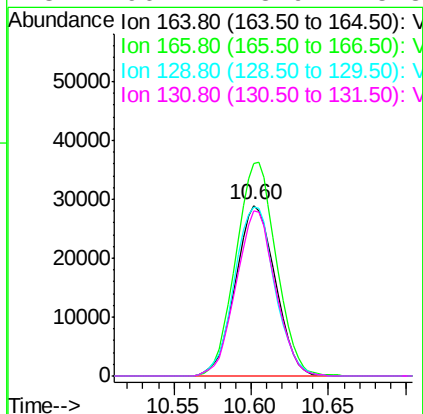
Manual Integrations
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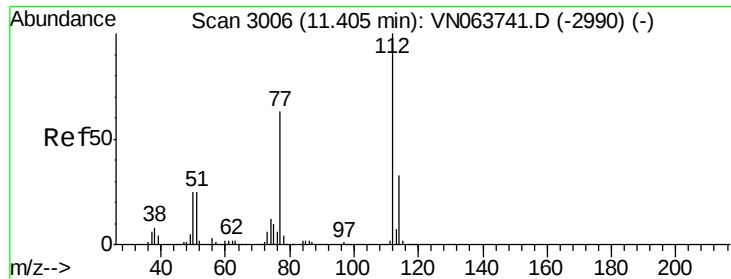
MMDadoda
10/2/2020 3:12:04 PM



#64
Tetrachloroethene
Concen: 17.139 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.9	155.9
129	98.9	80.3	120.5
131	96.7	78.9	118.3





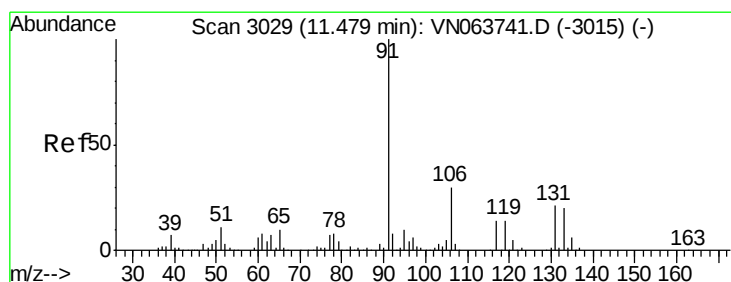
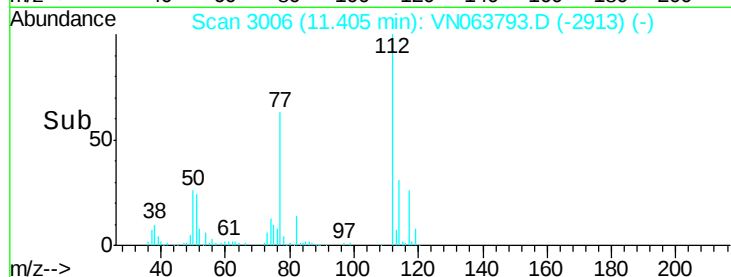
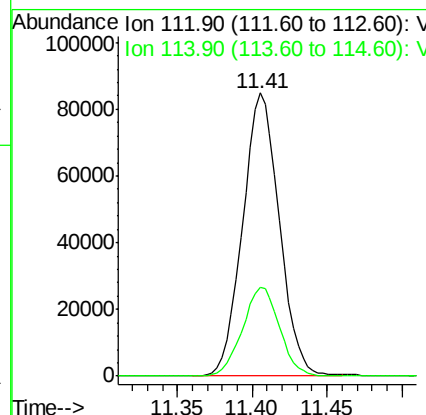
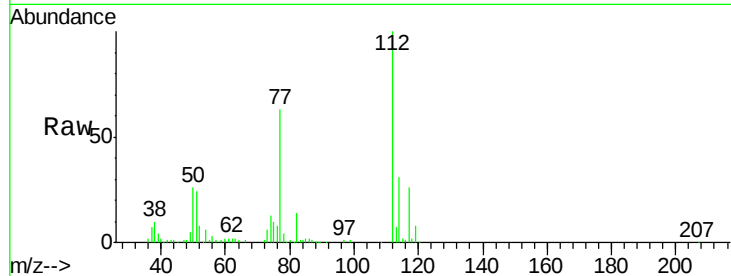
#65
Chlorobenzene
Concen: 18.058 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion:112 Resp: 144672
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1

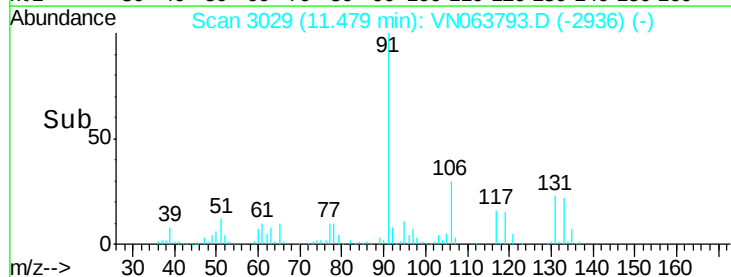
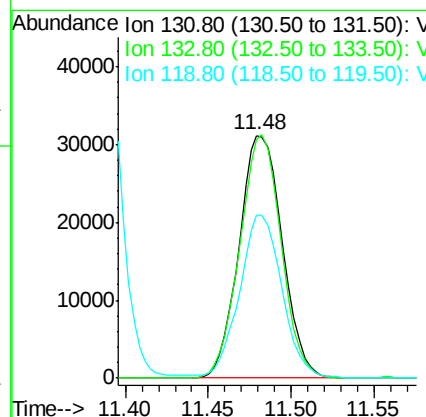
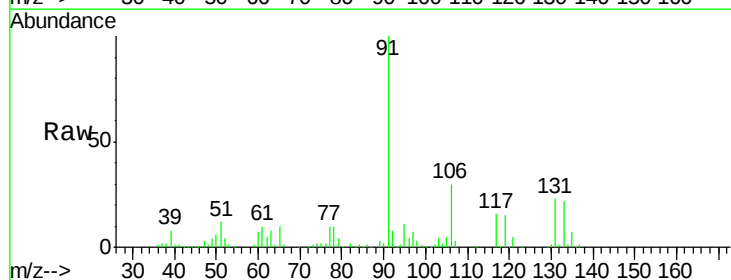
Manual Integrations
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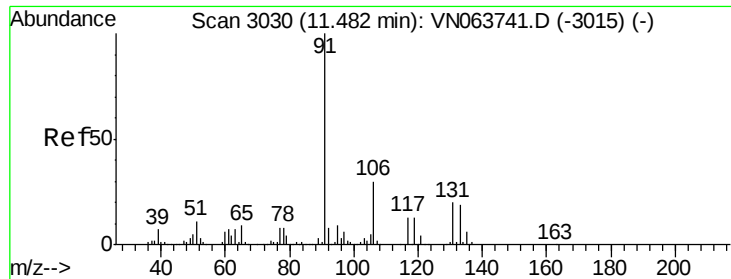
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.392 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion:131 Resp: 56490
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 66.2 32.6 97.7





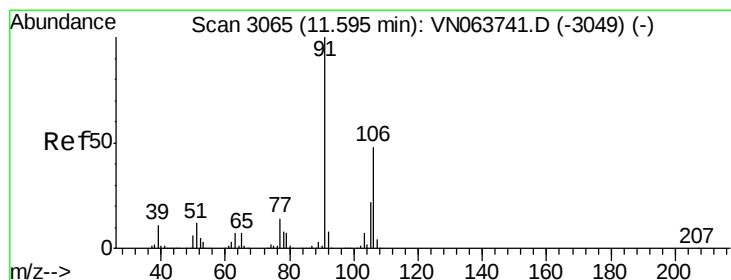
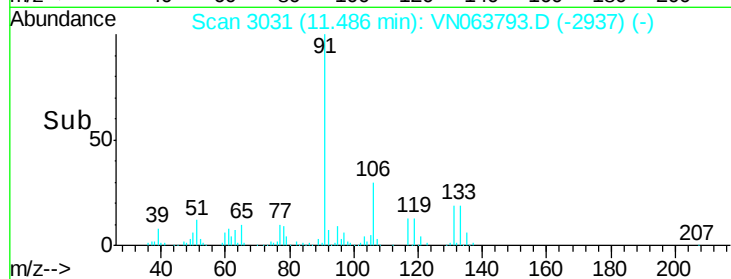
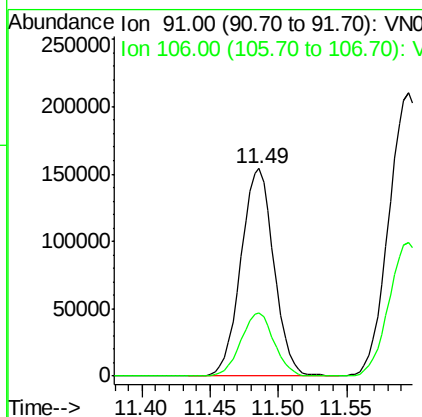
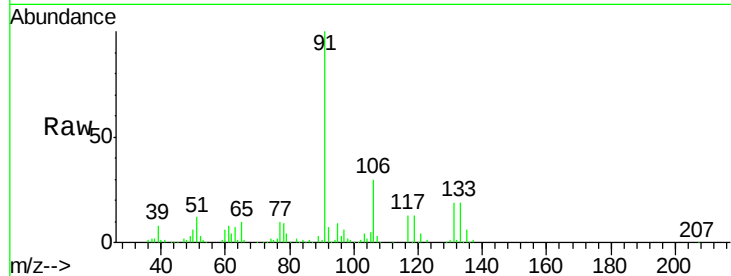
#67
Ethyl Benzene
Concen: 17.763 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion: 91 Resp: 258945
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

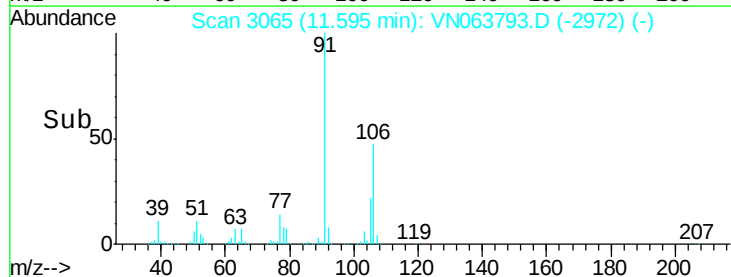
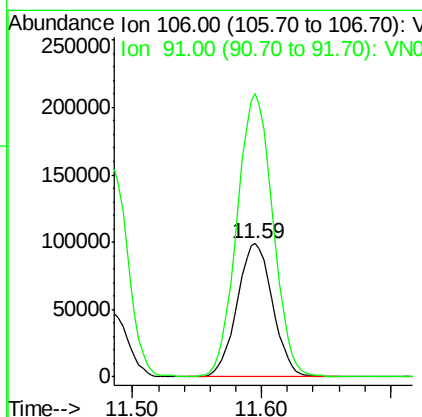
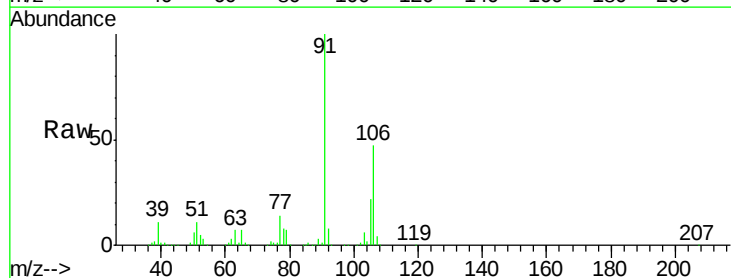
Manual Integrations
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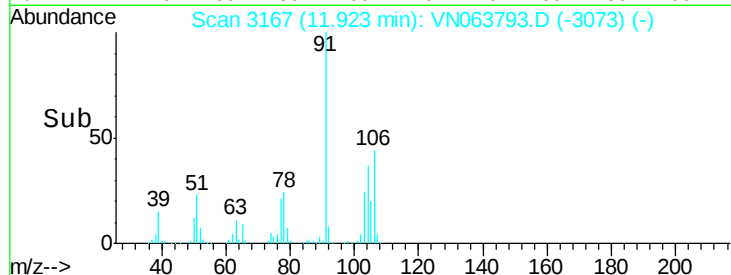
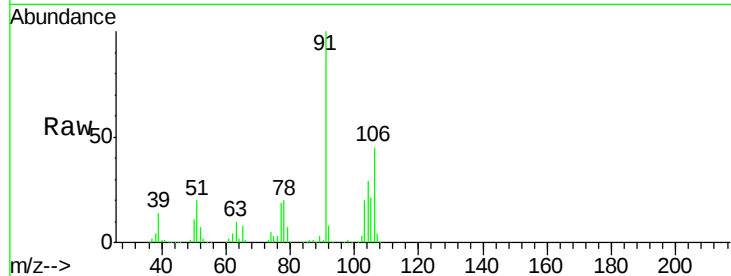
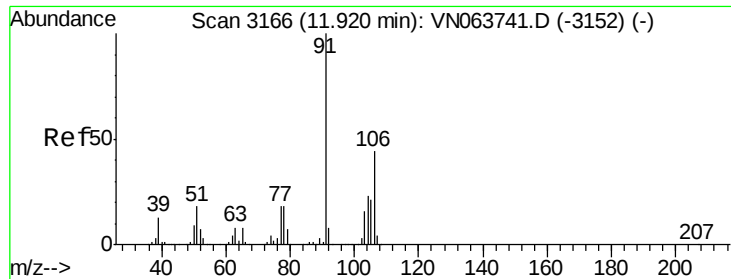
MMDadoda
10/2/2020 3:12:04 PM



#68
m/p-Xylenes
Concen: 35.062 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion: 106 Resp: 190501
Ion Ratio Lower Upper
106 100
91 213.1 168.0 252.0





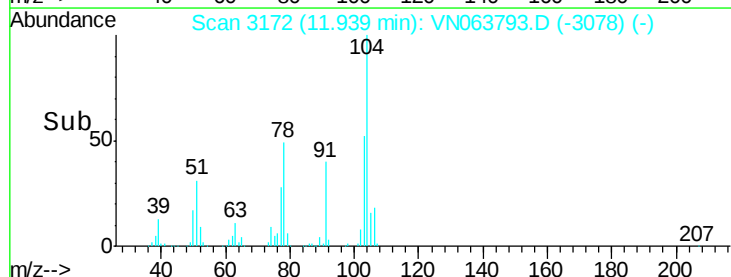
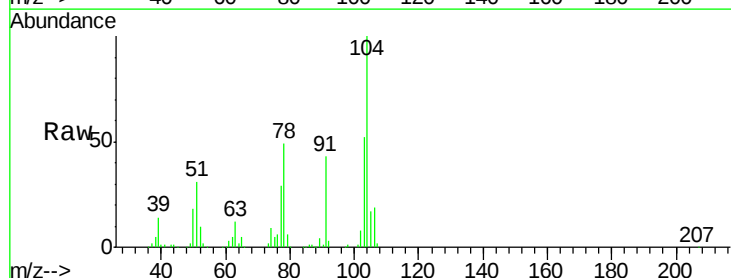
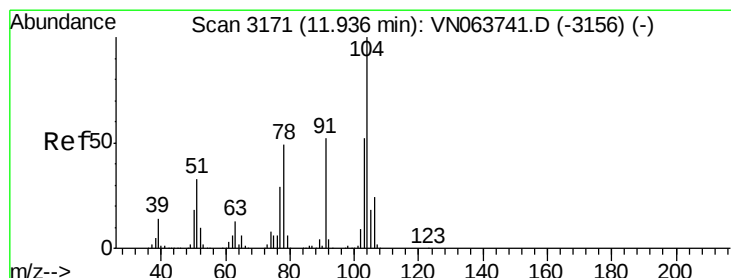
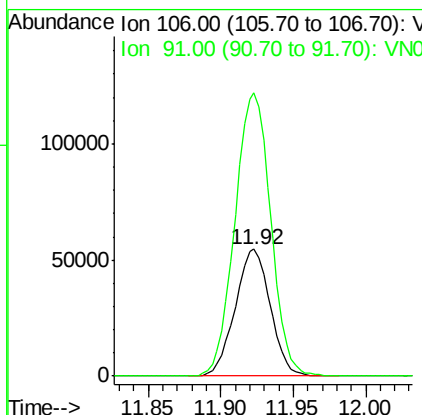
#69
o-Xylene
Concen: 18.182 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tot Ion:106 Resp: 92333
Ion Ratio Lower Upper
106 100
91 226.8 112.7 338.0

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

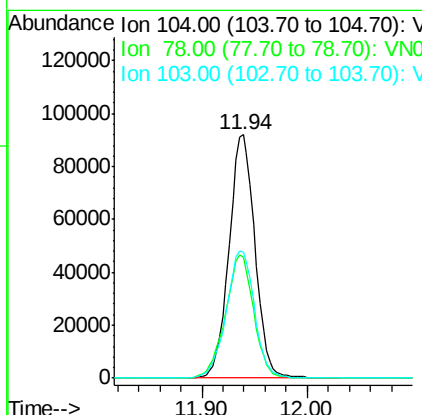
Manual Integrations
APPROVED

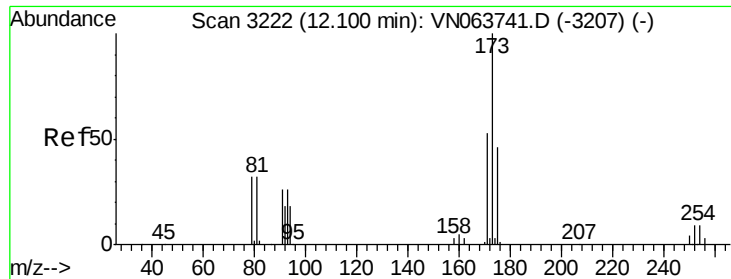
MMDadoda
10/2/2020 3:12:04 PM



#70
Styrene
Concen: 18.183 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion:104 Resp: 156740
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 56.5 44.3 66.5





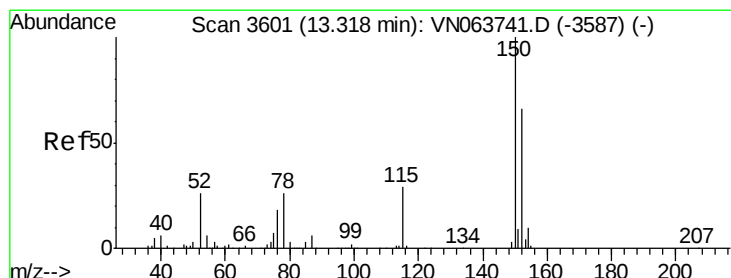
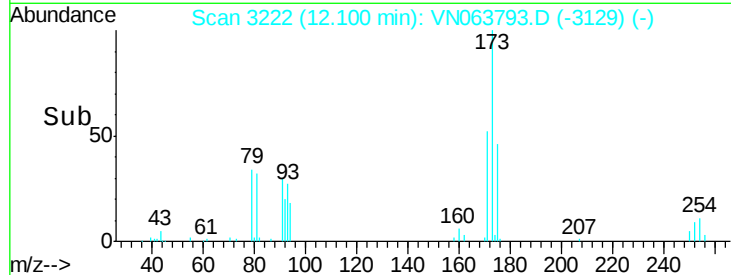
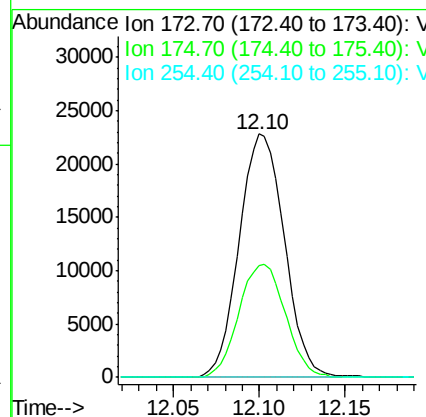
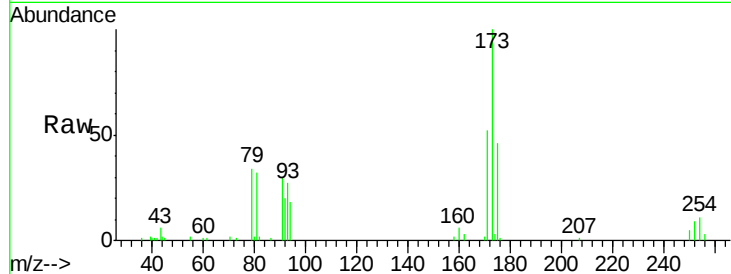
#71
Bromoform
Concen: 17.708 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.5
254	0.0	0.0	0.0

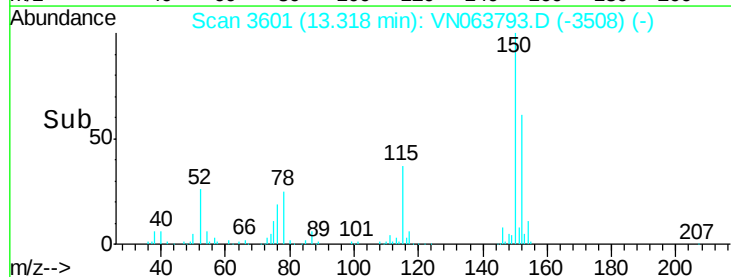
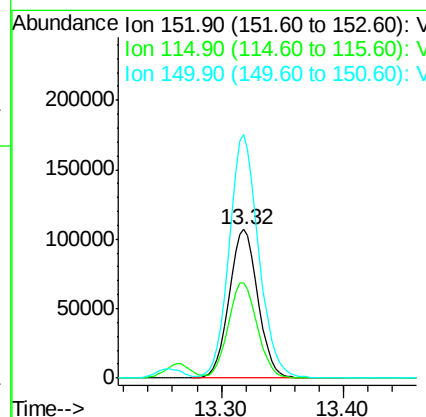
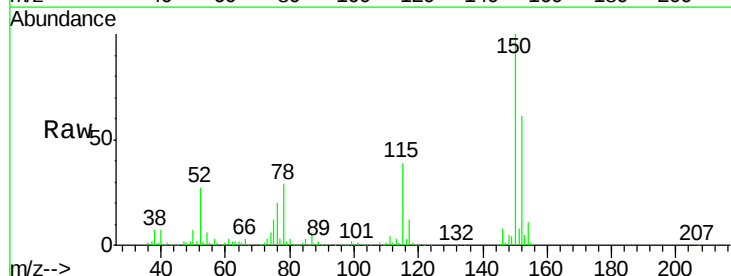
Manual Integrations
APPROVED

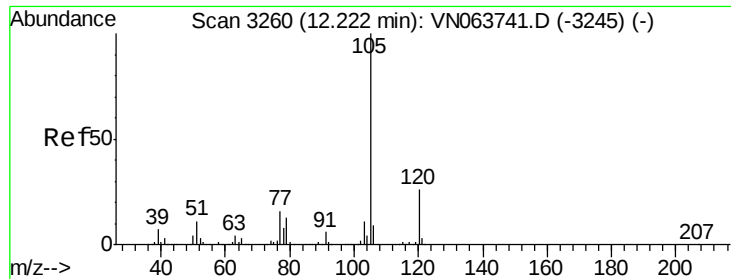
MMDadoda
10/2/2020 3:12:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	31.3	93.8
150	166.6	0.0	341.8





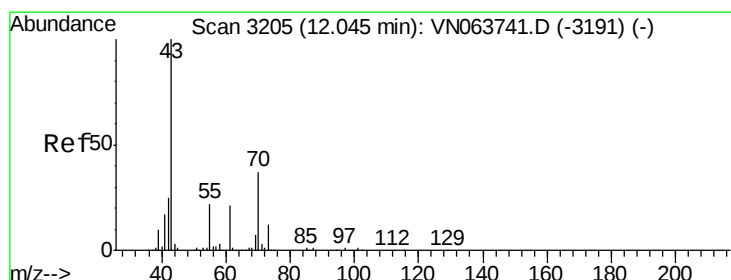
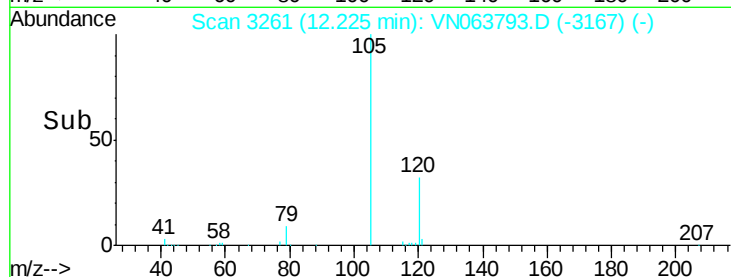
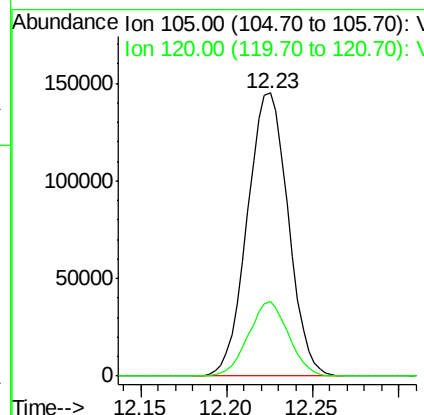
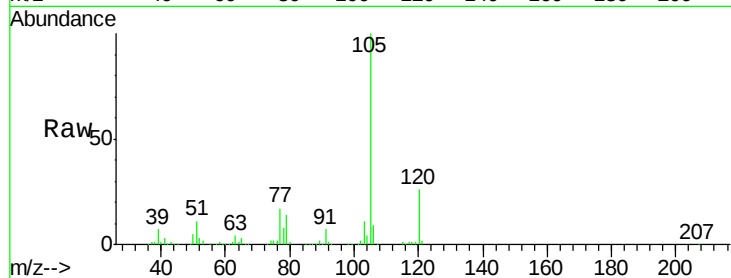
#73
Isopropylbenzene
Concen: 18.566 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

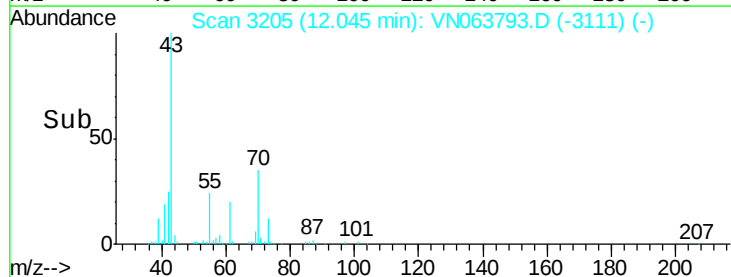
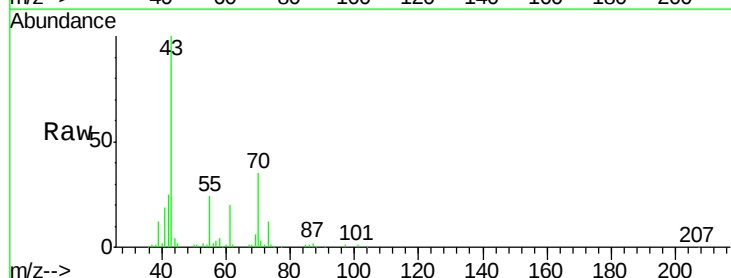
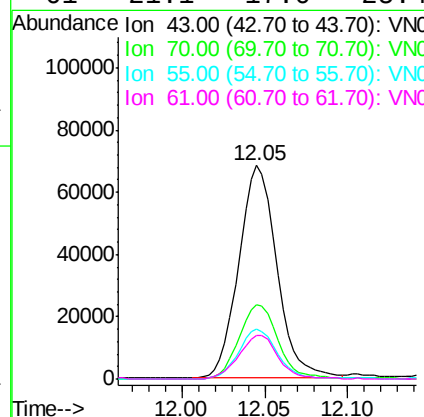
Manual Integrations
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10/2/2020 3:12:04 PM



#74
N-ethyl acetate
Concen: 19.719 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	29.8	44.8
55	23.9	17.9	26.9
61	21.1	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.262 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

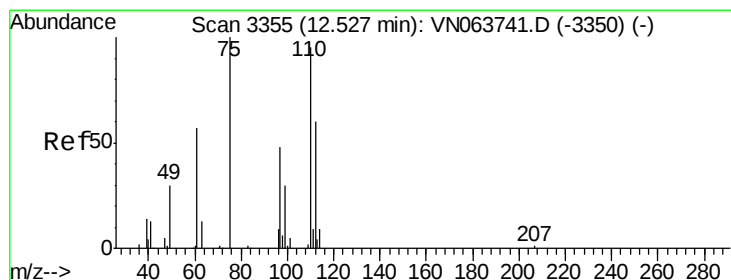
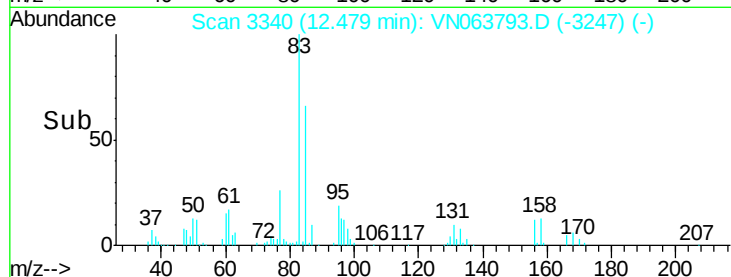
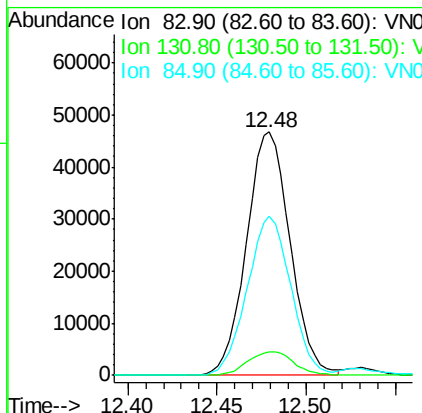
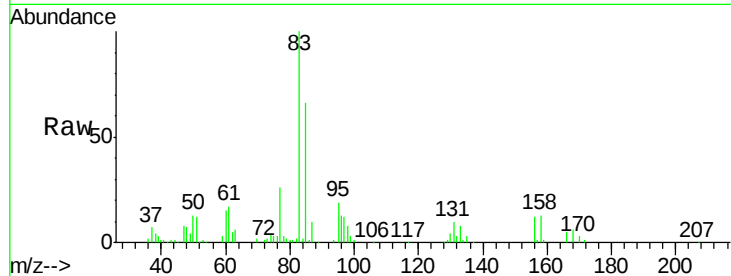
ClientSampleId :

VN1001WBSD02

Tot Ion:	83	Resp:	80033
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	65.1	31.3	93.8

Manual Integrations
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10/2/2020 3:12:04 PM



#76

1,2,3-Trichloropropane

Concen: 19.671 ug/l m

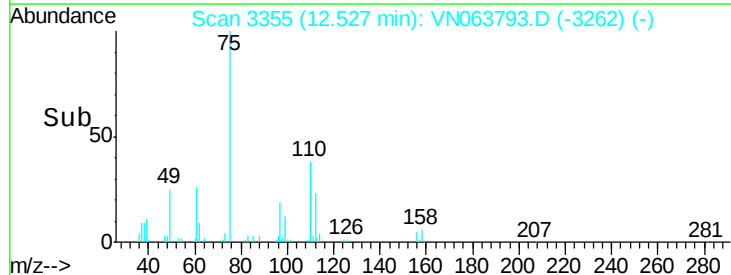
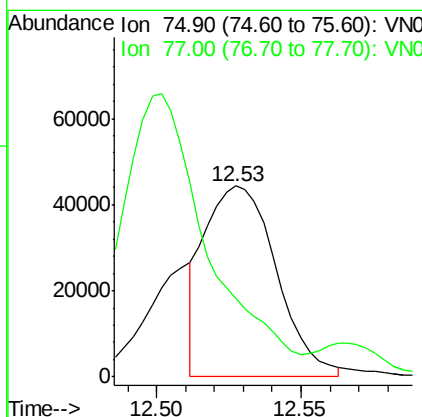
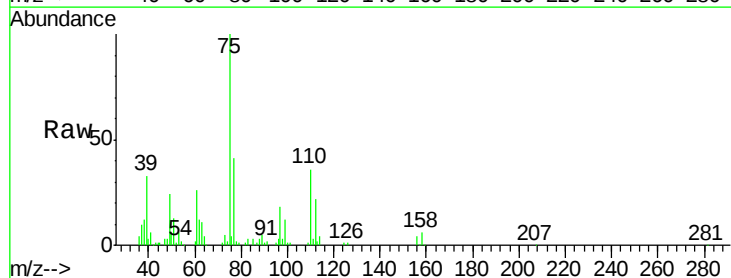
RT: 12.53 min Scan# 3355

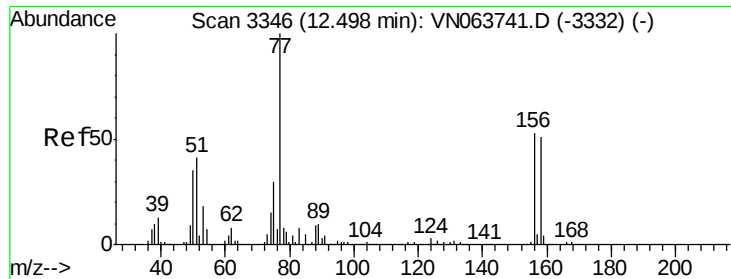
Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	75	Resp:	76793
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.947 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion:156 Resp: 60054

Ion Ratio Lower Upper

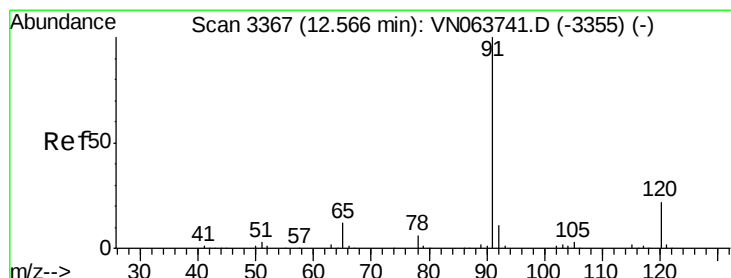
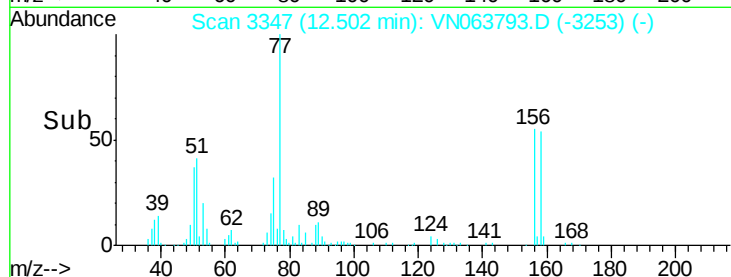
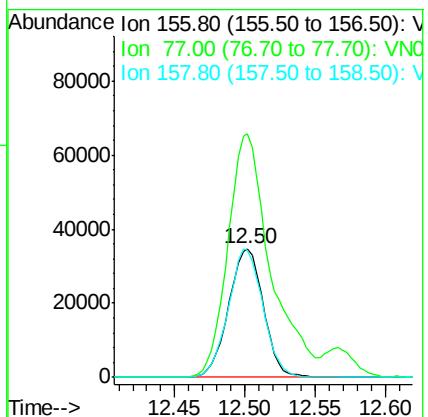
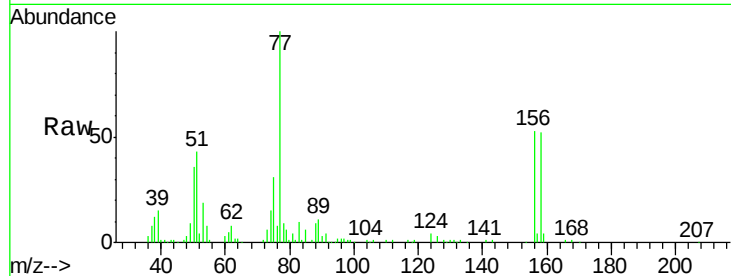
156 100

77 230.7 110.9 332.7

158 99.3 47.7 143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 17.982 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063793.D

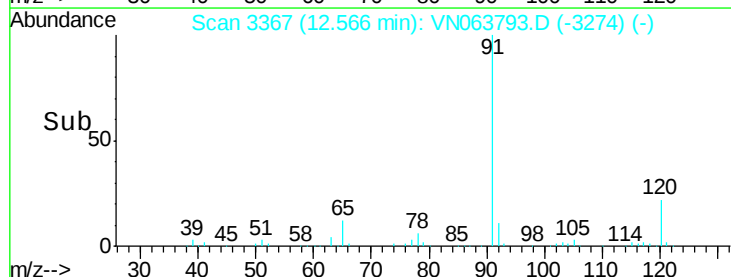
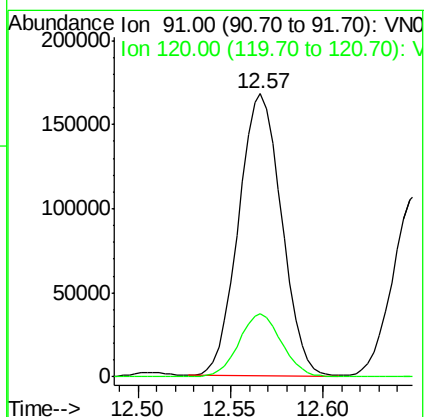
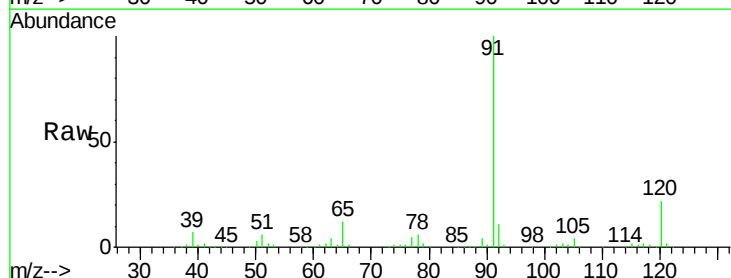
Acq: 2 Oct 2020 00:56

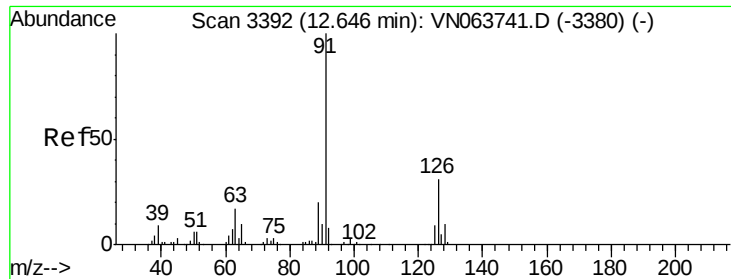
Tgt Ion: 91 Resp: 270319

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.1





#79

2-Chlorotoluene

Concen: 18.764 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 91 Resp: 173487

Ion Ratio Lower Upper

91 100

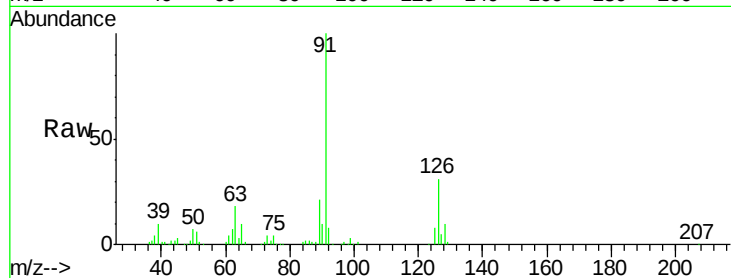
126 31.5 15.9 47.7

Manual Integrations

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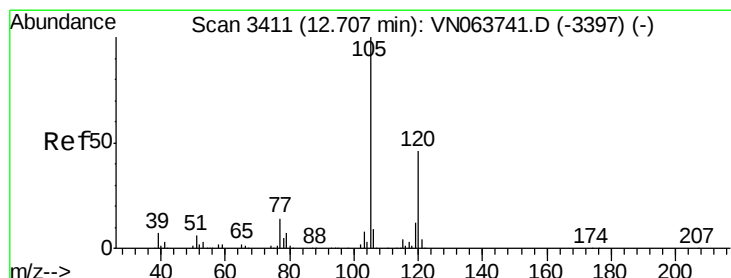
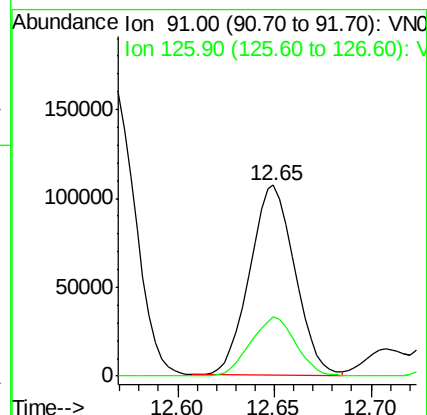
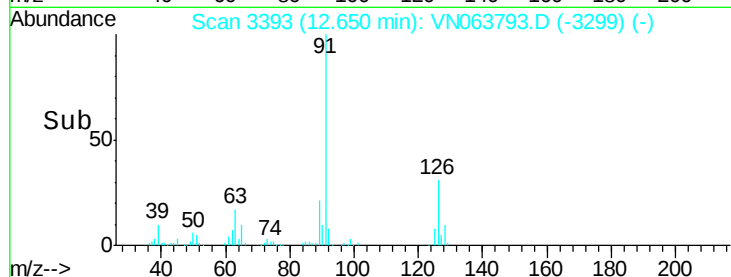
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Abundance Ion 91.00 (90.70 to 91.70): VN063793.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063793.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.370 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063793.D

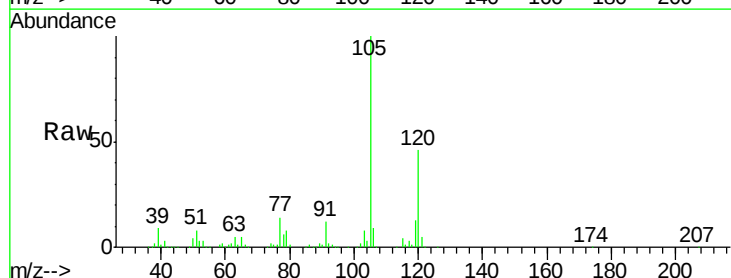
Acq: 2 Oct 2020 00:56

Tgt Ion: 105 Resp: 199074

Ion Ratio Lower Upper

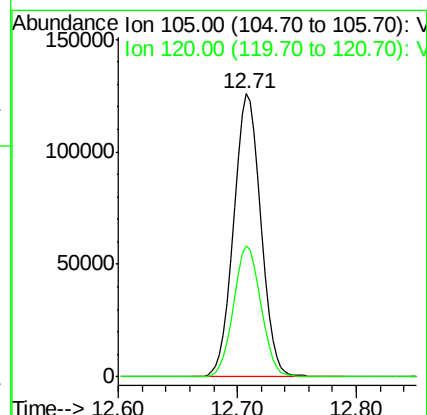
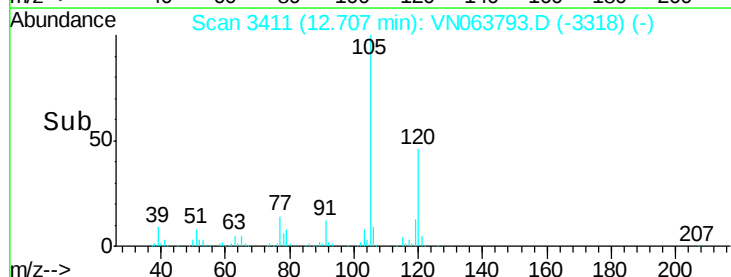
105 100

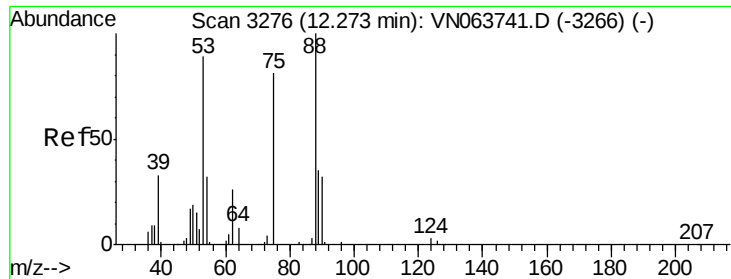
120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063793.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063793.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.845 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion: 75 Resp: 24188

Ion Ratio Lower Upper

75 100

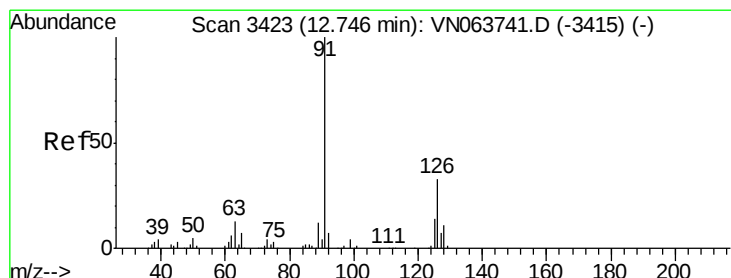
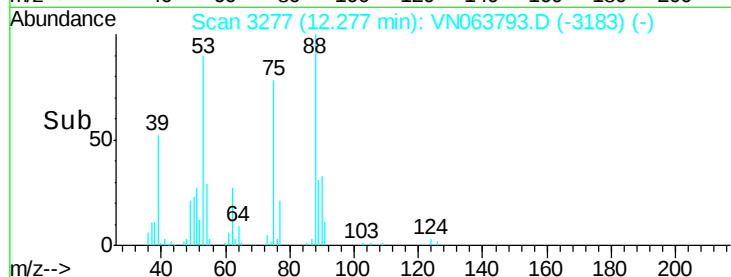
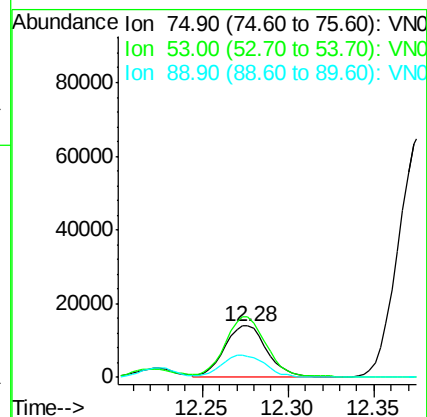
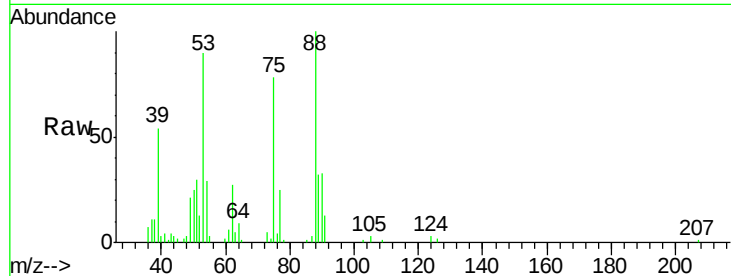
53 109.3 88.2 132.2

89 44.1 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.048 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063793.D

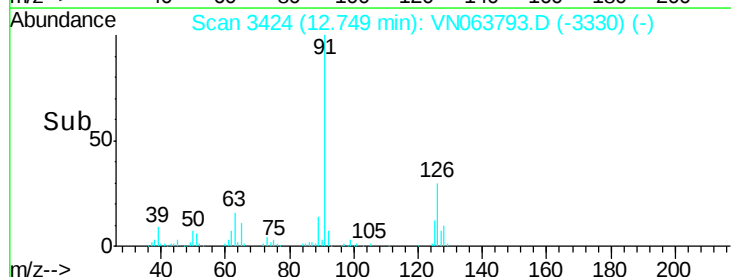
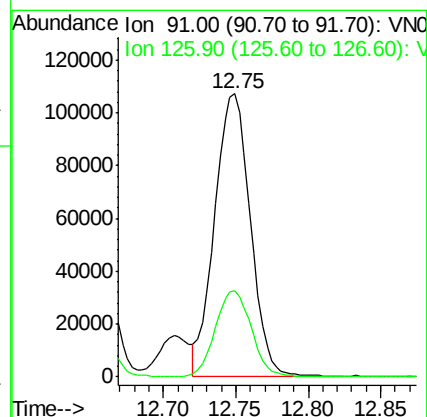
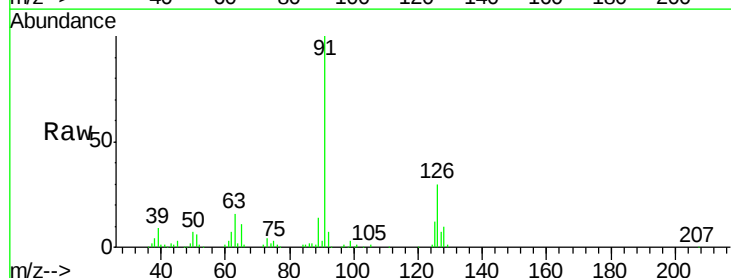
Acq: 2 Oct 2020 00:56

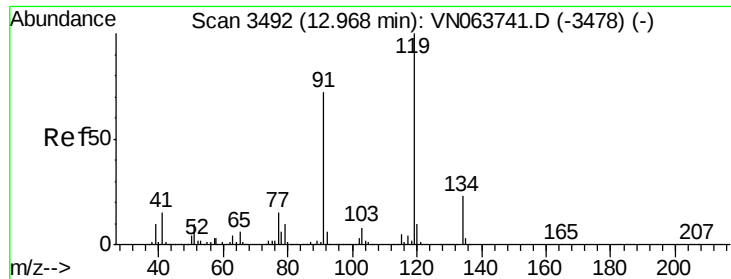
Tgt Ion: 91 Resp: 182824

Ion Ratio Lower Upper

91 100

126 30.9 15.4 46.2





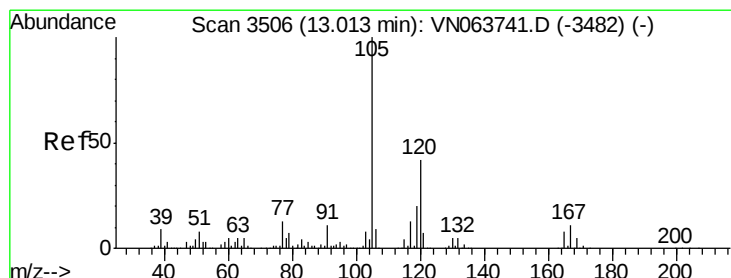
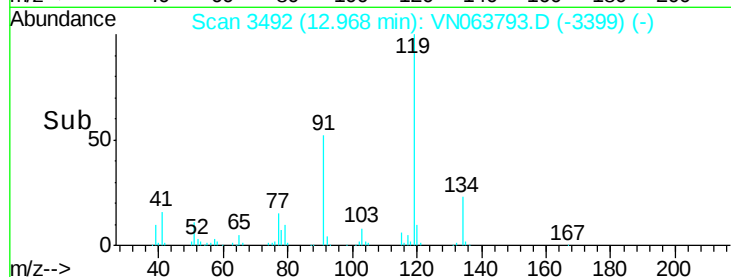
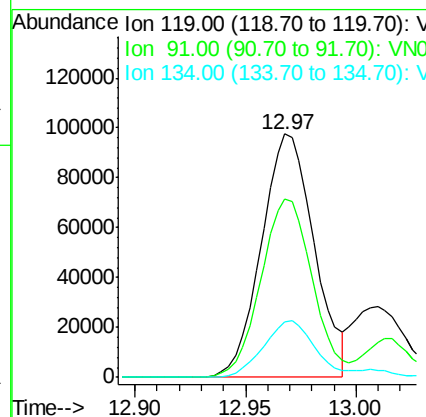
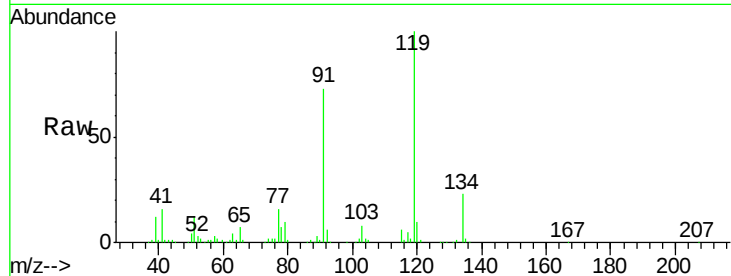
#83
tert-Butylbenzene
Concen: 18.259 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	35.5	106.5
134	22.4	11.7	35.1

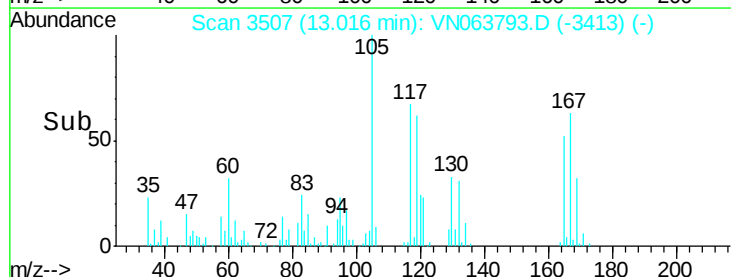
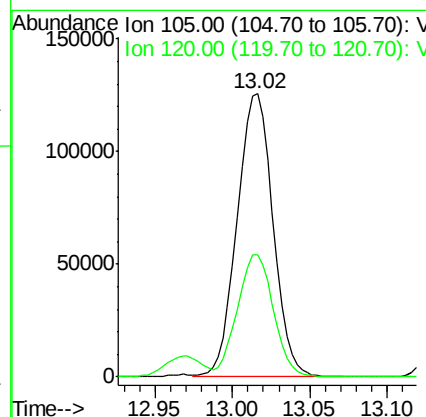
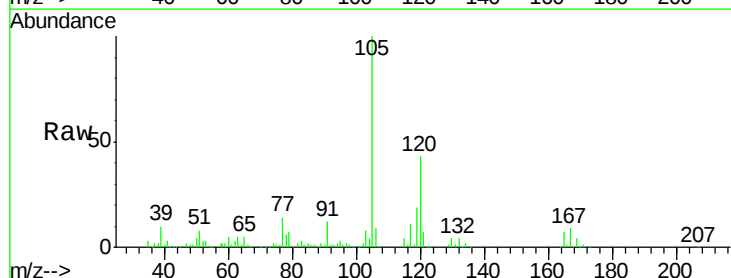
Manual Integrations
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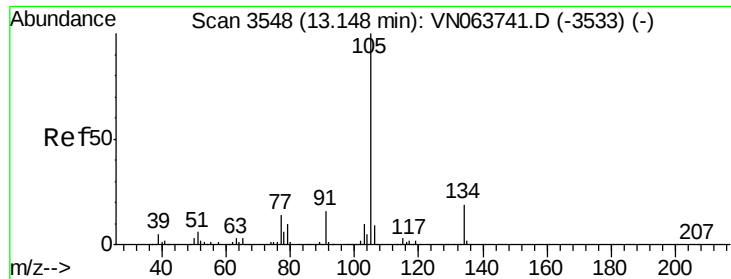
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.663 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	20.9	62.7





#85

sec-Butylbenzene

Concen: 17.627 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD02

Tot Ion:105 Resp: 205230

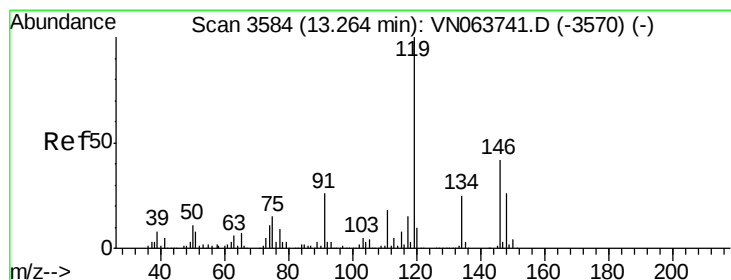
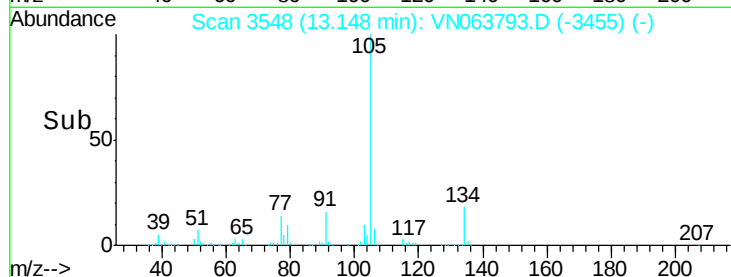
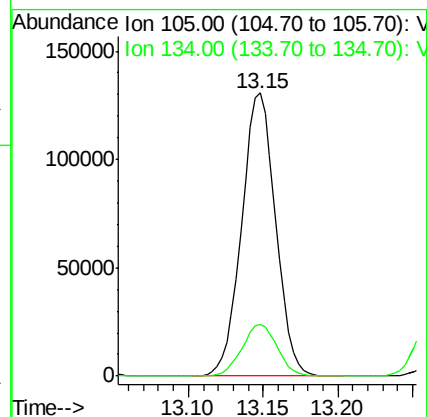
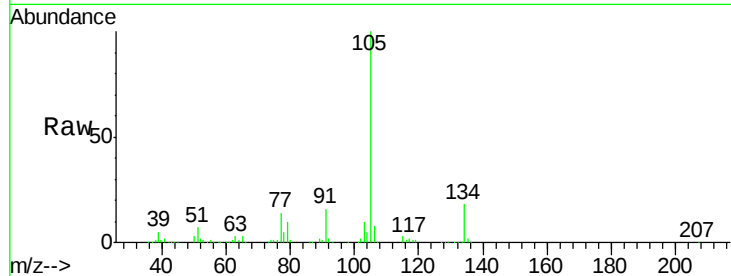
Ion Ratio Lower Upper

105 100

134 19.1 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.751 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

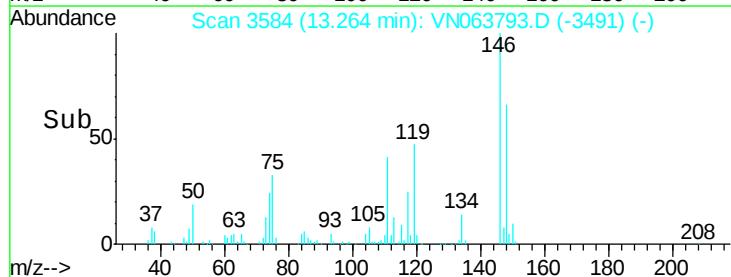
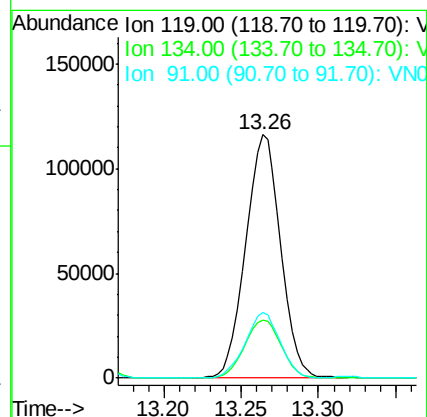
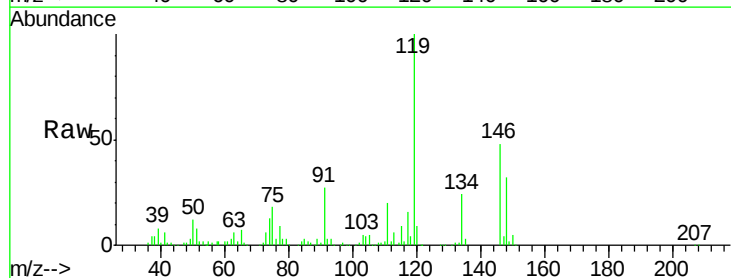
Tgt Ion:119 Resp: 182827

Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 27.2 13.4 40.2





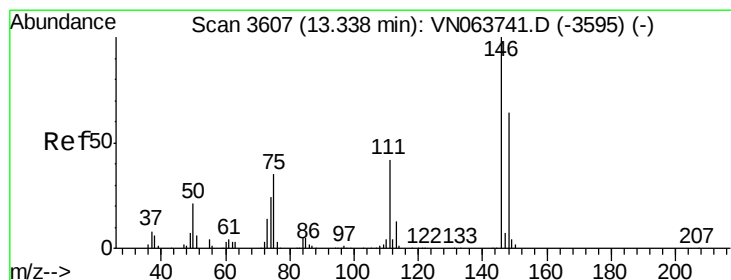
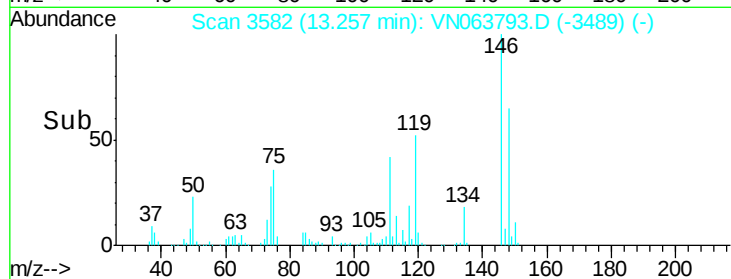
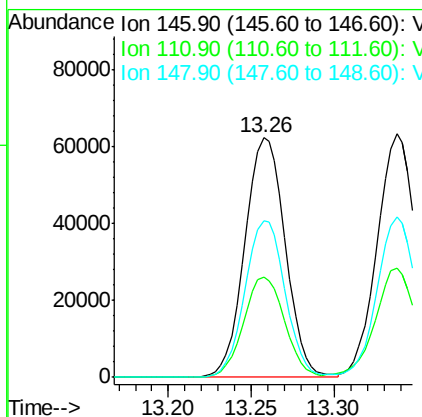
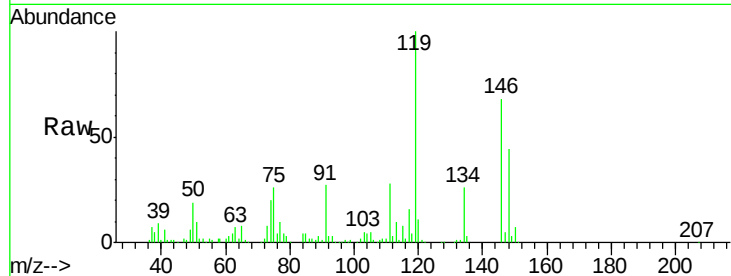
#87
 1,3-Dichlorobenzene
 Concen: 18.403 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	65.1	31.1	93.3

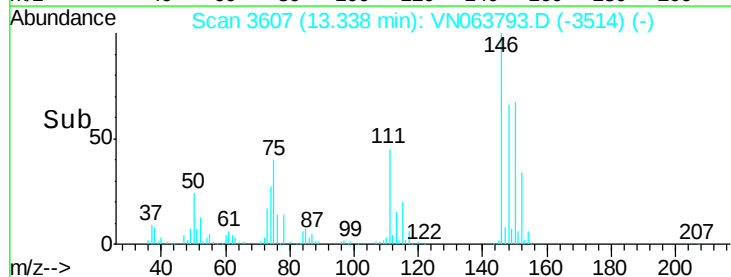
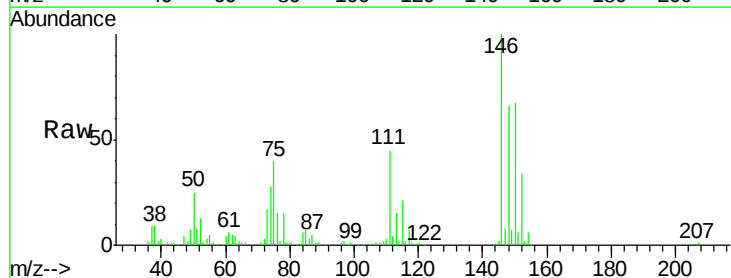
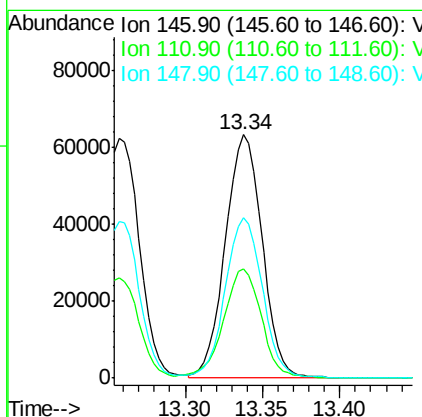
Manual Integrations
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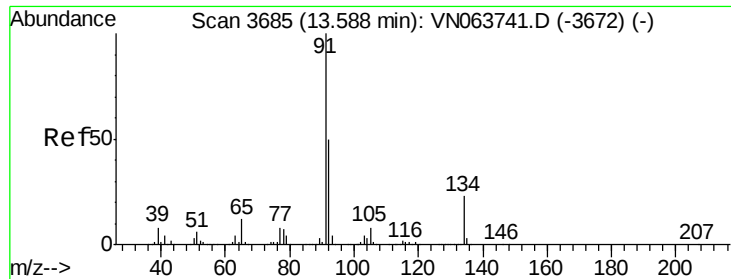
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#88
 1,4-Dichlorobenzene
 Concen: 17.451 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.3	63.7
148	66.9	32.0	96.0





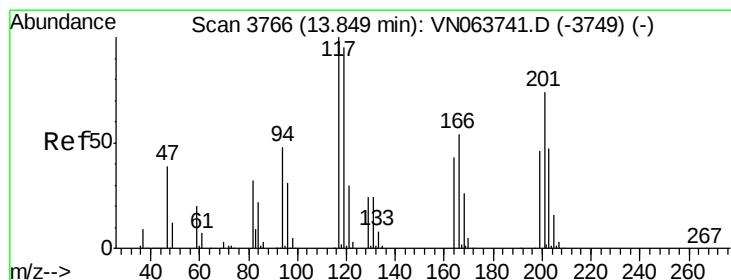
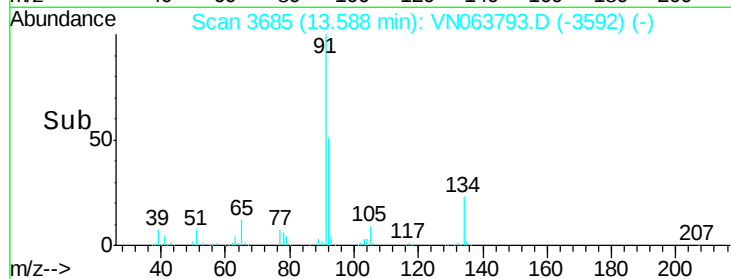
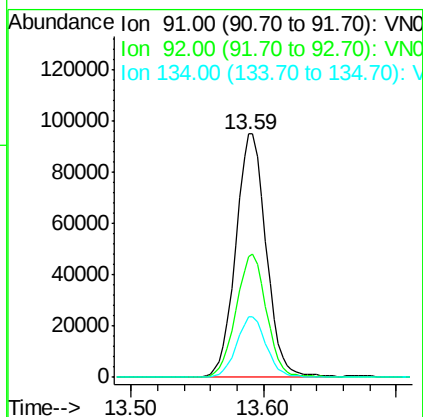
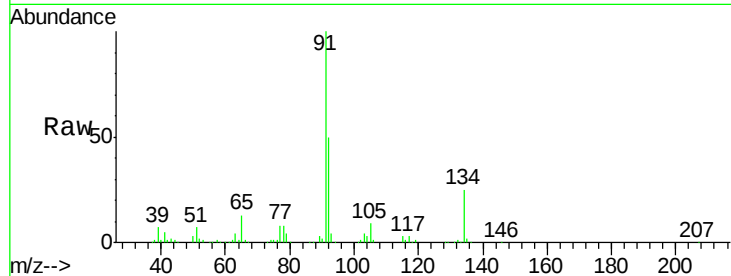
#89
n-Butylbenzene
Concen: 15.926 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.4	76.4
134	24.3	11.7	35.1

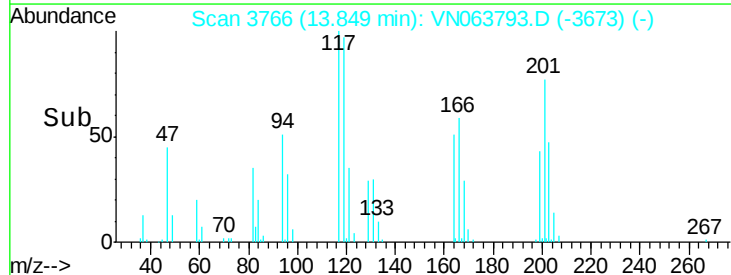
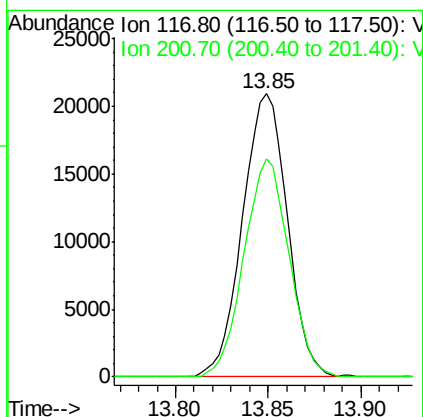
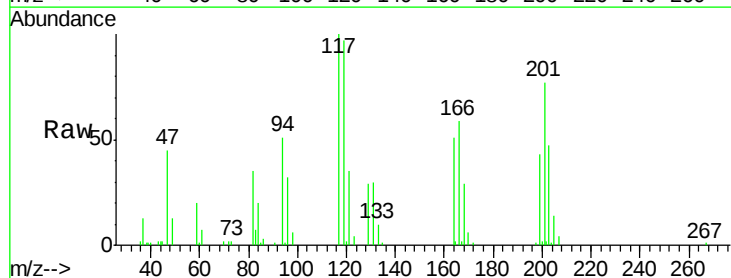
Manual Integrations
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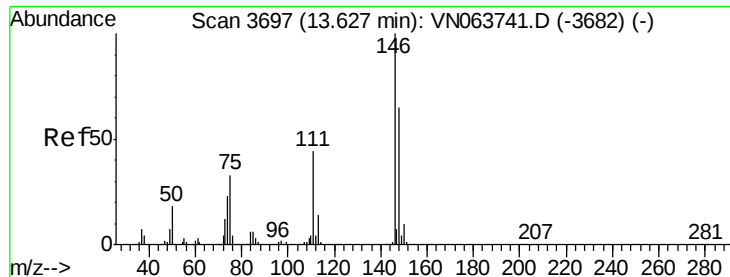
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10/2/2020 3:12:04 PM



#90
Hexachloroethane
Concen: 17.575 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063793.D
Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	36.0	108.0





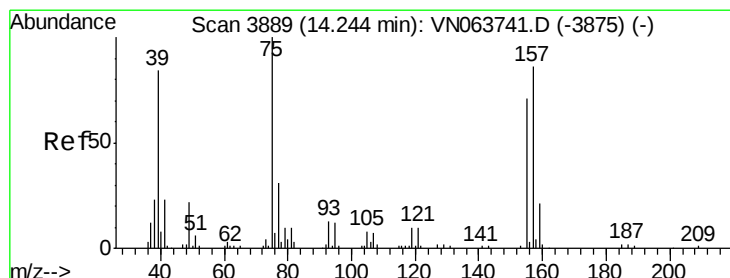
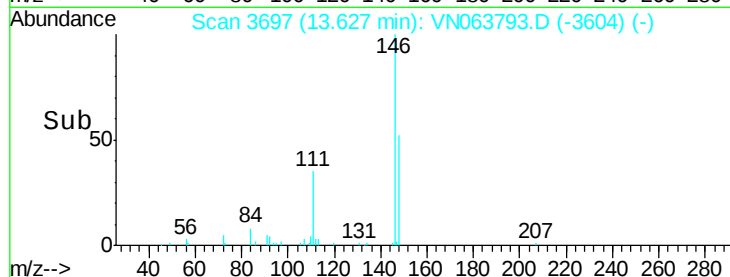
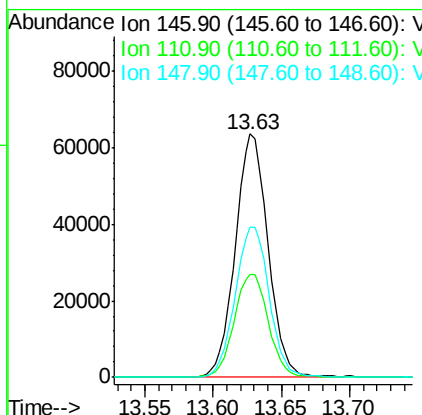
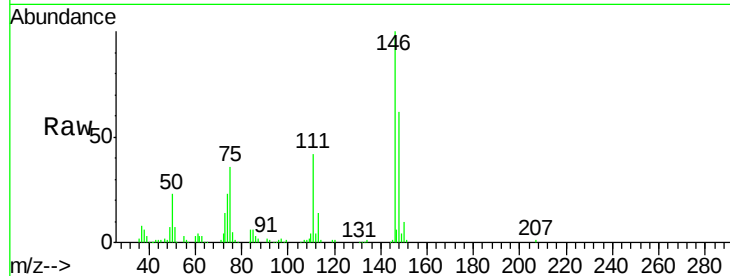
#91
 1,2-Dichlorobenzene
 Concen: 18.749 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	64.0	32.5	97.4

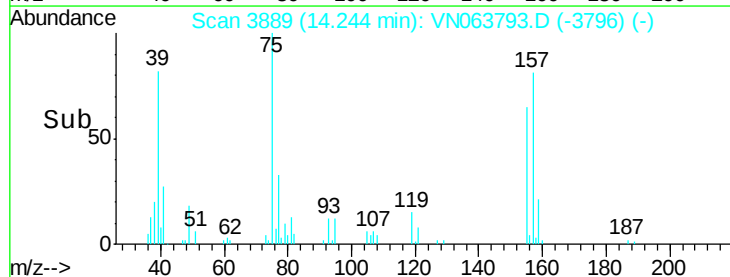
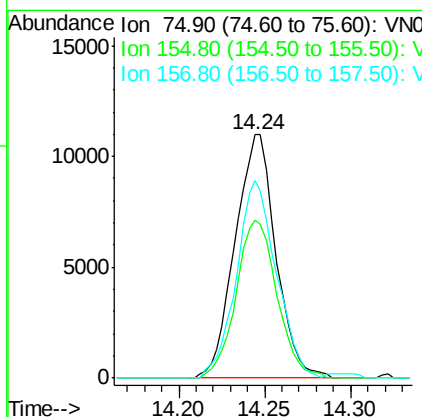
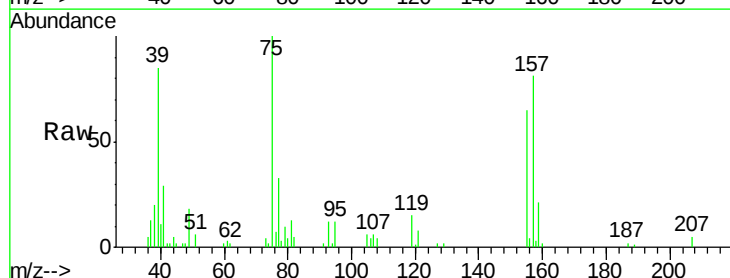
Manual Integrations
 APPROVED

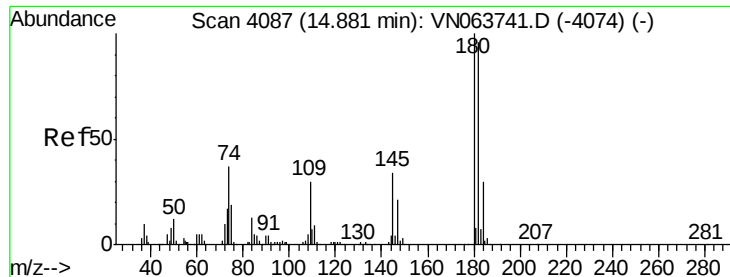
MMDadoda
 10/2/2020 3:12:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.515 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.8	34.8	104.5
157	79.4	43.7	131.1





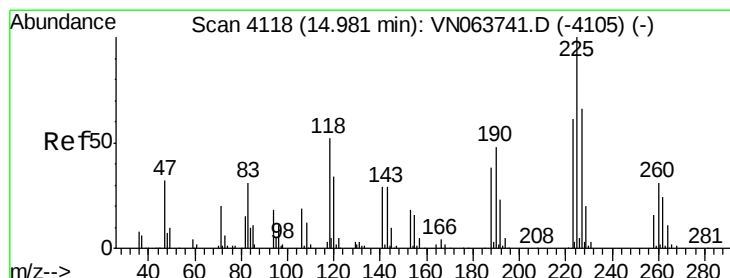
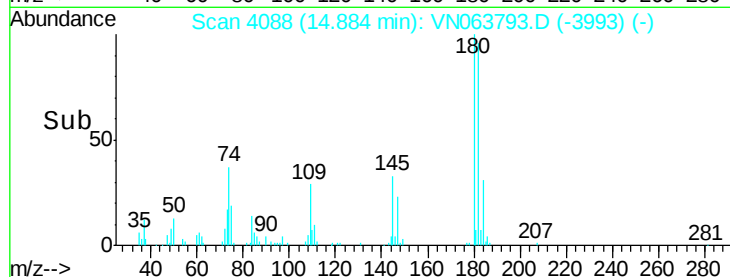
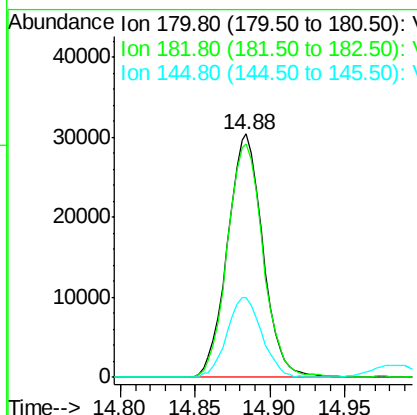
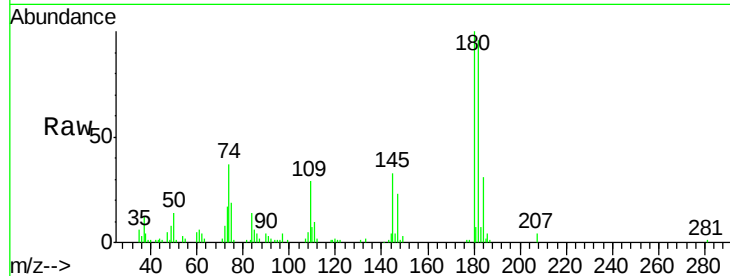
#93
 1,2,4-Trichlorobenzene
 Concen: 17.391 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	32.2	17.1	51.2

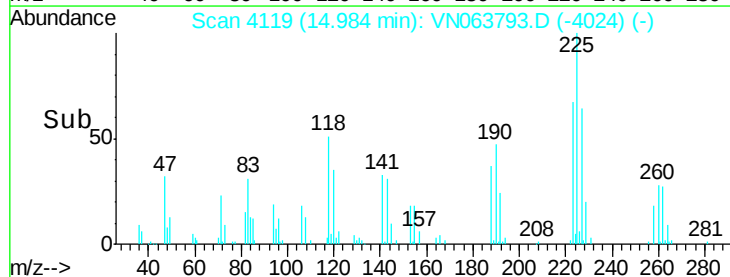
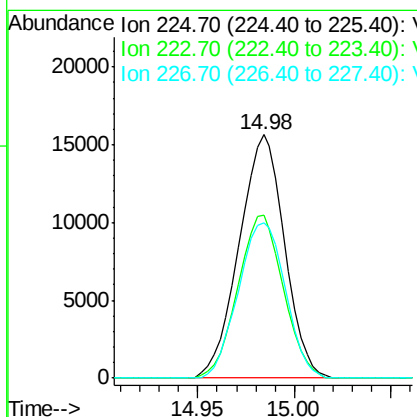
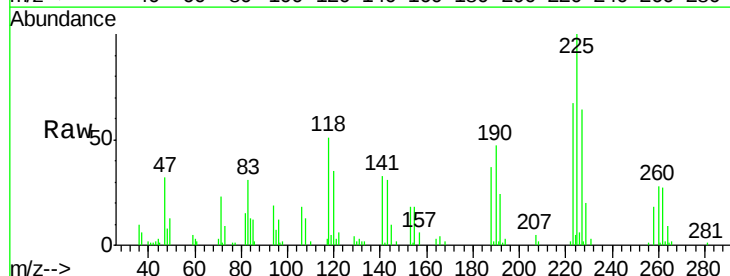
Manual Integrations
 APPROVED

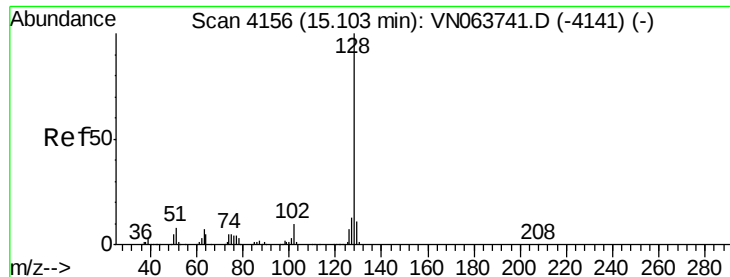
MMDadoda
 10/2/2020 3:12:04 PM



#94
 Hexachlorobutadiene
 Concen: 16.581 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063793.D
 Acq: 2 Oct 2020 00:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	30.3	91.0
227	66.3	31.9	95.5





#95

Naphthalene

Concen: 18.508 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Instrument :

MSVOA_N

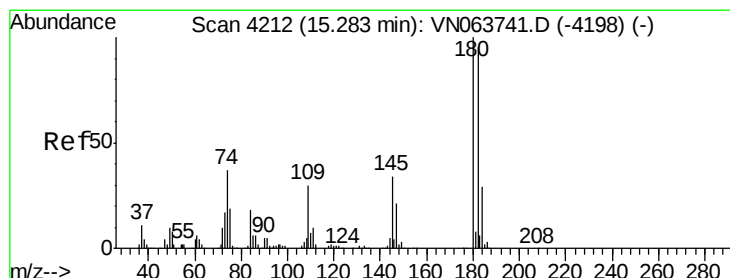
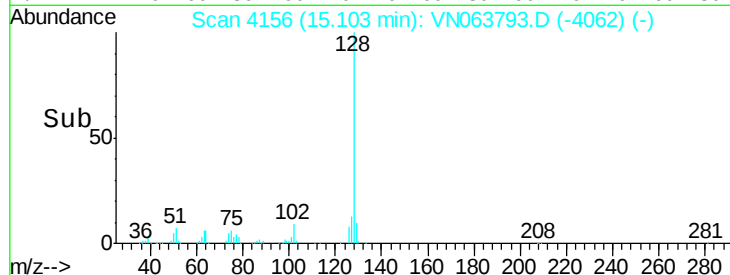
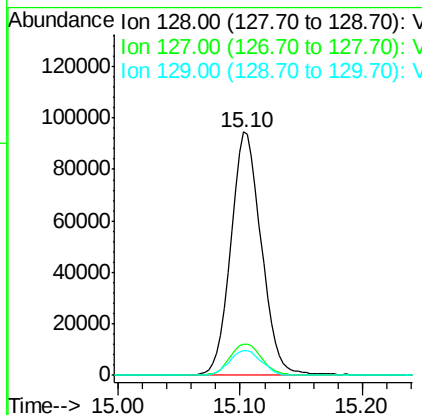
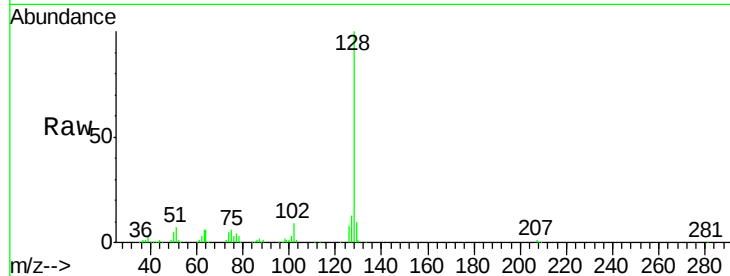
ClientSampleId :

VN1001WBSD02

Tot Ion:	128	Resp:	164815
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:12:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.678 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063793.D

Acq: 2 Oct 2020 00:56

Tgt Ion:	180	Resp:	49818
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.6
145	34.0	17.2	51.5

