

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063907.D
 Acq On : 6 Oct 2020 20:43
 Operator : JC/MD
 Sample : VN1006WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1006WBSD03

Manual Integrations
 APPROVED

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 10/7/2020 12:11:55 PM

Quant Time: Oct 07 04:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48806	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	264849	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	246250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	134525	30.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.30%
60) 4-Bromofluorobenzene	12.38	95	121489	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.06	98	336916	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67141	20.325	ug/l 93
3) Chloromethane	2.04	50	64638	18.909	ug/l 99
4) Vinyl Chloride	2.17	62	66317	19.501	ug/l 99
5) Bromomethane	2.54	94	30249	13.820	ug/l 99
6) Chloroethane	2.68	64	40253	18.868	ug/l 96
7) Trichlorofluoromethane	2.99	101	105768	19.702	ug/l 99
8) Diethyl Ether	3.38	74	33738	19.409	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53632	19.226	ug/l 93
10) 1,1-Dichloroethene	3.70	96	49989	19.087	ug/l 90
11) Methyl Iodide	3.91	142	47102	14.096	ug/l 88
12) Methyl Acetate	4.28	43	57486	17.835	ug/l 93
13) Acrolein	3.57	56	28736	91.594	ug/l 99
14) Acrylonitrile	4.93	53	110584	83.445	ug/l 96
15) Acetone	3.78	58	32573m	84.912	ug/l
16) Carbon Disulfide	4.02	76	145530	18.738	ug/l 99
17) Allyl chloride	4.28	41	87973	18.047	ug/l 83
18) Methylene Chloride	4.50	84	60727	19.345	ug/l 89
19) trans-1,2-Dichloroethene	4.99	96	55441	18.741	ug/l 93
20) Diisopropyl ether	5.90	45	184068	18.784	ug/l # 87
21) 1,1-Dichloroethane	5.80	63	118165	19.919	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	64132	19.097	ug/l 93
23) tert-Butyl Alcohol	4.72	59	41449	72.916	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	162131	18.453	ug/l # 86
25) Chloroform	7.33	83	118138	18.993	ug/l 98
26) Cyclohexane	7.61	56	78977	18.483	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	81357	17.541	ug/l 97
30) 2-Butanone	6.78	43	175598	77.191	ug/l 95
31) 2,2-Dichloropropane	6.78	77	93181	16.811	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	106589	18.014	ug/l 97
33) Carbon Tetrachloride	7.73	117	91805	17.709	ug/l 88
34) Benzene	8.00	78	241047	18.279	ug/l 96
35) Methacrylonitrile	7.13	41	35419	16.382	ug/l 91
36) 1,2-Dichloroethane	8.09	62	105797	18.260	ug/l # 93
37) Trichloroethene	8.80	130	60403	17.482	ug/l 91
38) Methylcyclohexane	9.05	83	69696	17.797	ug/l 100
39) 1,2-Dichloropropane	9.08	63	65965	18.410	ug/l 100
40) Dibromomethane	9.17	93	44735	17.877	ug/l 92

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Quant Time: Oct 07 04:45:24 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	93929	18.059	ug/l	97
42) Vinyl Acetate	5.85	43	830152	87.928	ug/l	98
43) Ethyl Acetate	6.88	43	79928	16.407	ug/l #	91
44) Isopropyl Acetate	8.13	43	134724	16.687	ug/l #	87
45) 1,4-Dioxane	9.16	88	14014	270.740	ug/l	95
46) Methyl methacrylate	9.17	41	68598	17.078	ug/l	84
47) n-amyl Acetate	12.05	43	112479	15.670	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	98346	17.498	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	101417	17.401	ug/l #	85
50) 1,1,2-Trichloroethane	10.53	97	58678	17.560	ug/l	98
52) 1,3-Dichloropropane	10.68	76	100671	17.588	ug/l	99
53) Dibromochloromethane	10.87	129	67772	17.622	ug/l	100
54) 1,2-Dibromoethane	10.98	107	61793	17.637	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	221661	85.700	ug/l	98
56) Bromoform	12.10	173	44859	16.833	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	406396	85.036	ug/l	94
59) 2-Hexanone	10.72	43	281062	78.957	ug/l	95
61) Tetrachloroethene	10.60	164	56818	18.188	ug/l #	89
62) Toluene	10.13	91	263586	18.637	ug/l	100
64) Chlorobenzene	11.41	112	157399	18.362	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61101	18.225	ug/l	98
66) Ethyl Benzene	11.49	91	286181	18.427	ug/l	96
67) m/p-Xylenes	11.59	106	210127	36.383	ug/l	96
68) o-Xylene	11.92	106	100243	18.218	ug/l	94
69) Styrene	11.94	104	167926	17.886	ug/l	95
70) Isopropylbenzene	12.23	105	265977	18.191	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	80948	17.515	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	76327m	16.196	ug/l	
73) Bromobenzene	12.50	156	68145	18.388	ug/l	91
74) n-propylbenzene	12.57	91	304539	17.817	ug/l	99
75) 2-Chlorotoluene	12.65	91	192620	18.475	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	220595	17.891	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	23957	14.292	ug/l	77
78) 4-Chlorotoluene	12.75	91	196266	17.777	ug/l	98
79) tert-butylbenzene	12.97	119	178069	18.027	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	220419	17.833	ug/l	99
81) sec-Butylbenzene	13.15	105	232824	17.932	ug/l	98
82) p-Isopropyltoluene	13.26	119	206680	17.613	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	115342	17.500	ug/l	96
84) 1,4-Dichlorobenzene	13.34	146	116657	17.818	ug/l	98
85) n-Butylbenzene	13.59	91	173350	16.884	ug/l	99
86) Hexachloroethane	13.85	117	35380	17.494	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	114820	17.754	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17159	15.538	ug/l	88
89) 1,2,4-Trichlorobenzene	14.88	180	55117	16.766	ug/l	97
90) Hexachlorobutadiene	14.98	225	32394	18.605	ug/l	98
91) Naphthalene	15.10	128	154184	15.332	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	53425	16.685	ug/l	99

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ClientSampleId :
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QLast Update : Tue Oct 06 16:42:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

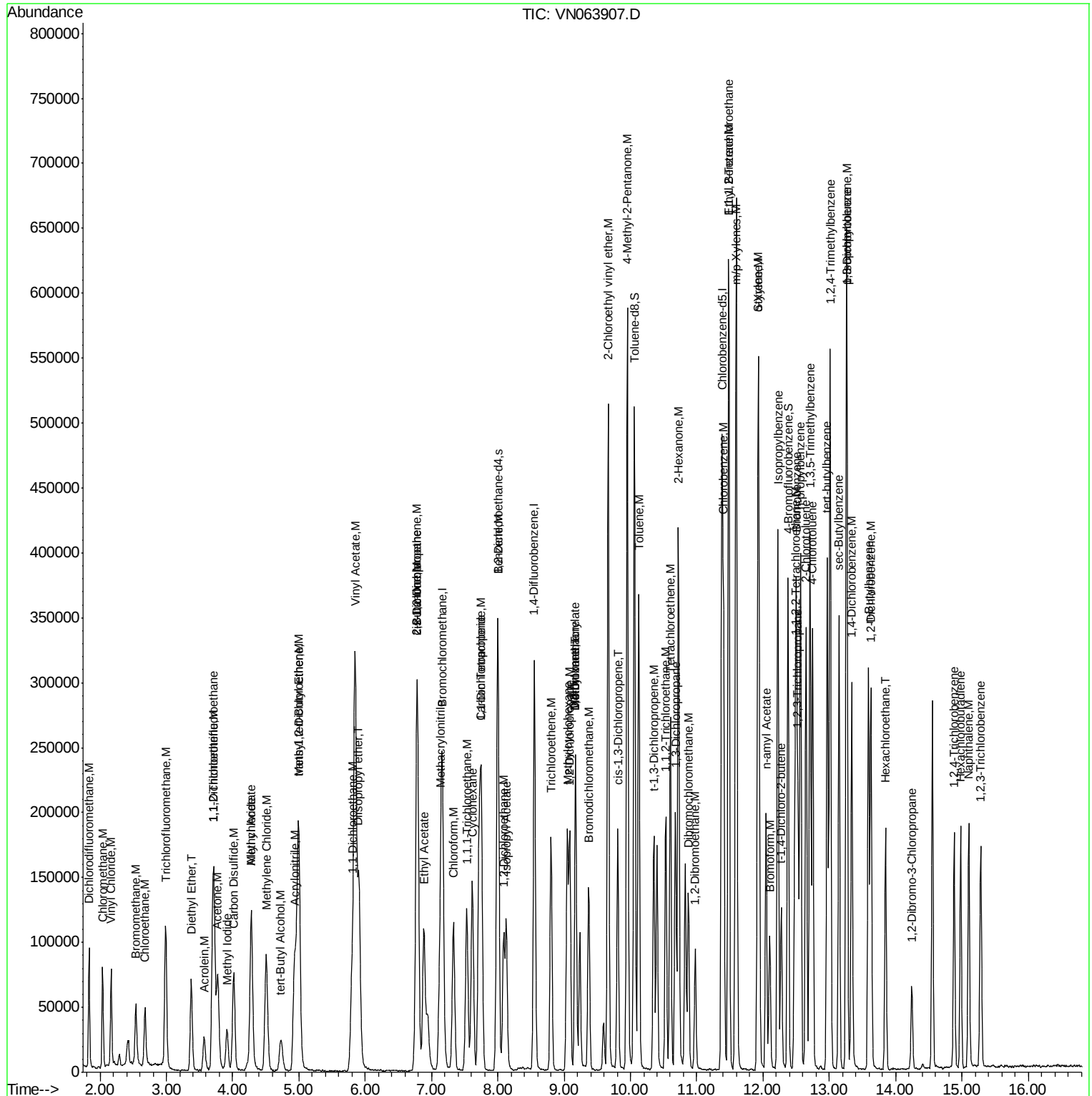
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Data File : VN063907.D
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Sample : VN1006WBSD03
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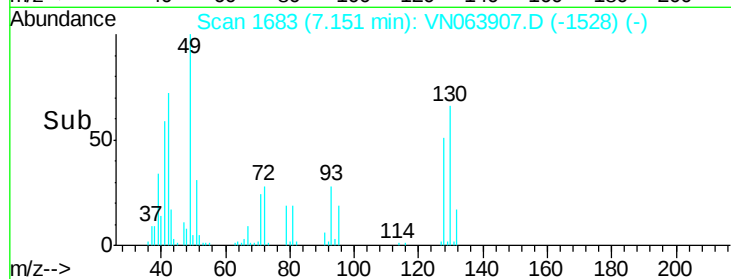
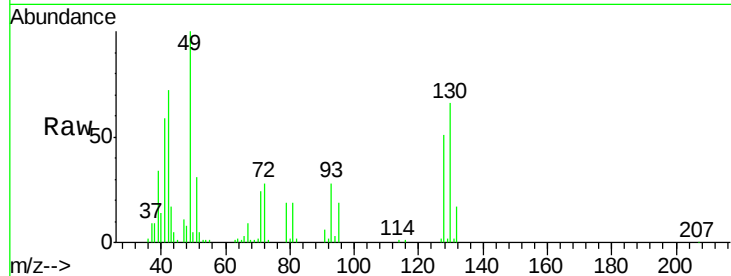
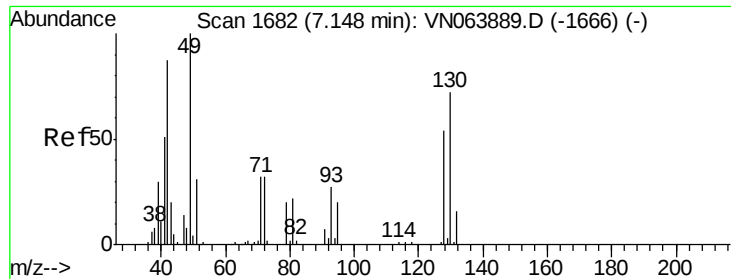
Instrument :
MSVOA_N
Client Sampled :
VN1006WBSD03

Manual Integrations
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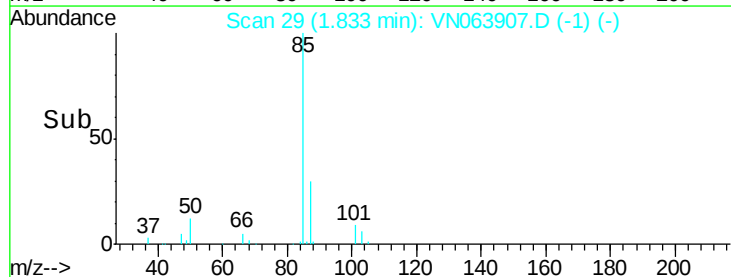
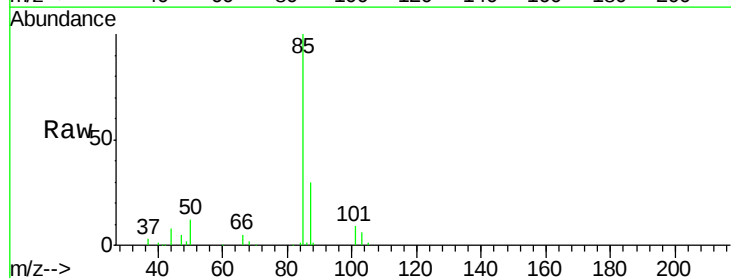
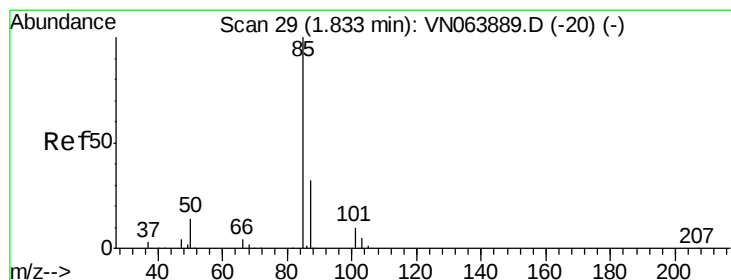
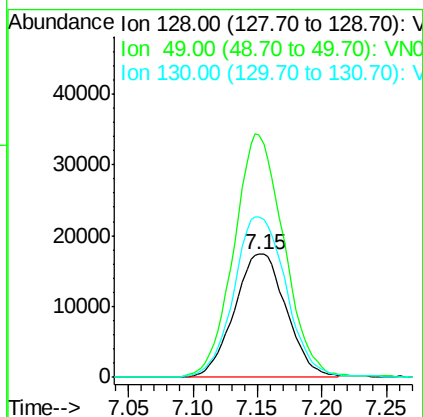
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
49	190.0	0.0	437.5	
130	131.0	0.0	327.3	

Instrument :
MSVOA_N
ClientSampleId :
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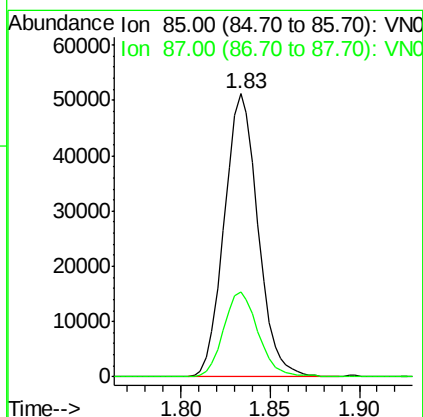
Manual Integrations
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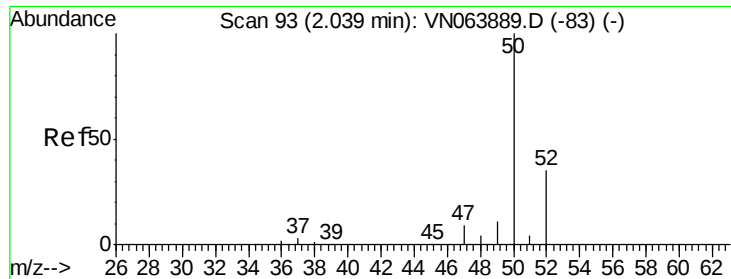
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#2
Dichlorodifluoromethane
Concen: 20.325 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
85	100			
87	29.9	16.9	50.6	





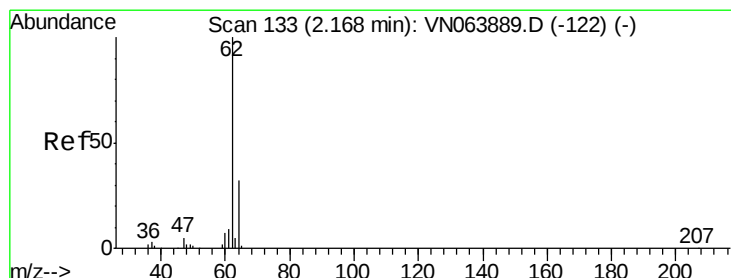
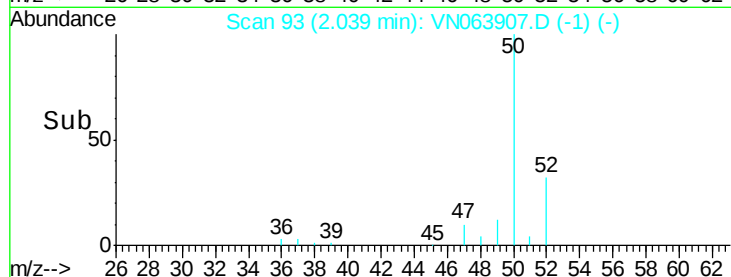
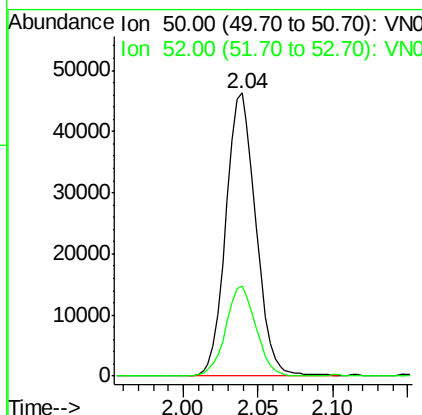
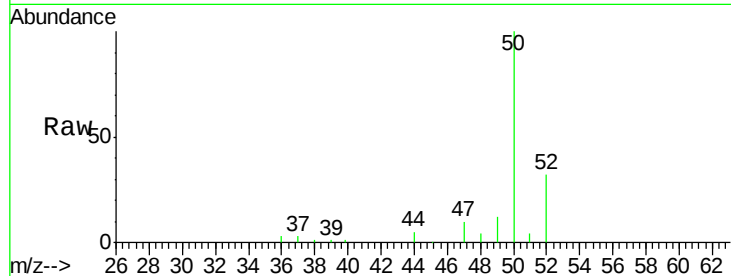
#3
Chloromethane
Concen: 18.909 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.01 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion: 50 Resp: 64638
Ion Ratio Lower Upper
50 100
52 31.9 26.0 39.0

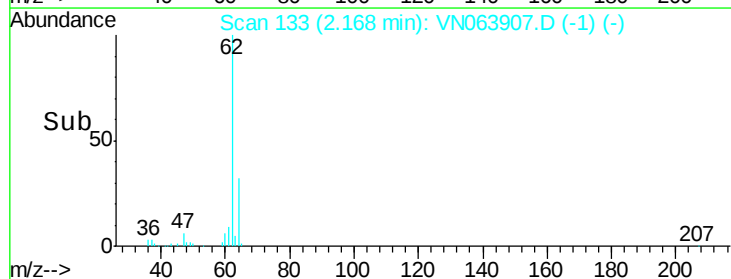
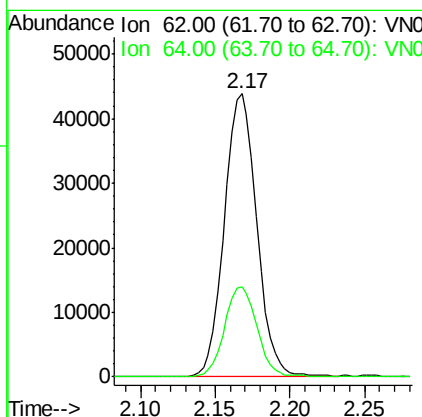
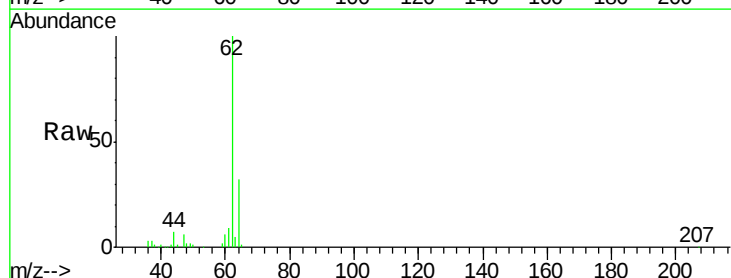
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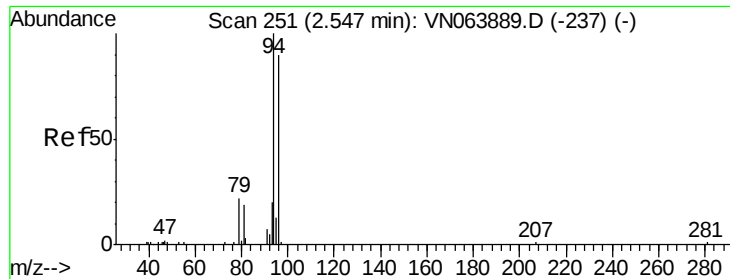
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#4
Vinyl Chloride
Concen: 19.501 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.01 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion: 62 Resp: 66317
Ion Ratio Lower Upper
62 100
64 31.8 25.0 37.4





#5

Bromomethane

Concen: 13.820 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 94 Resp: 30249

Ion Ratio Lower Upper

94 100

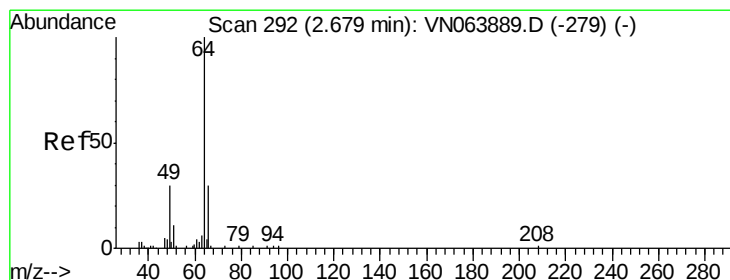
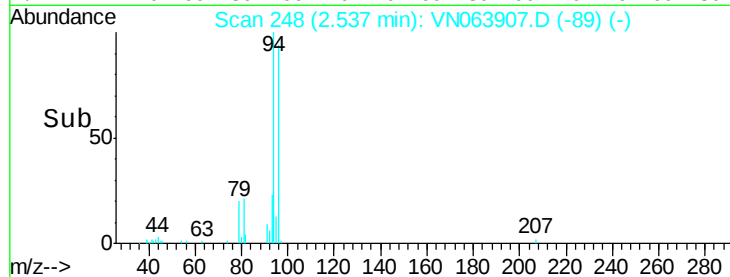
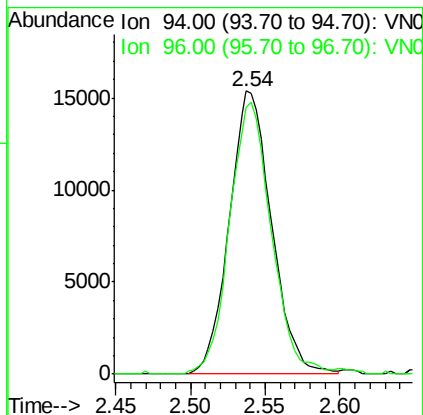
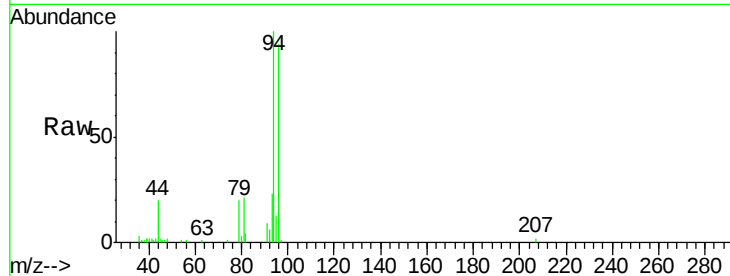
96 93.2 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 18.868 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063907.D

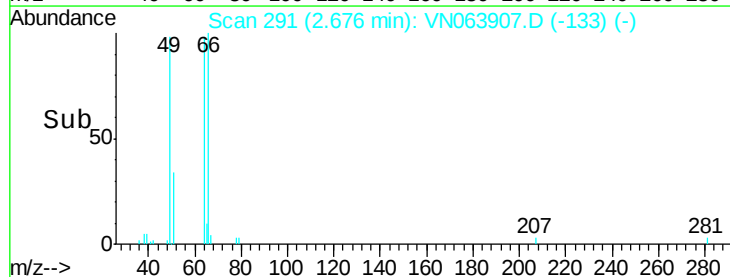
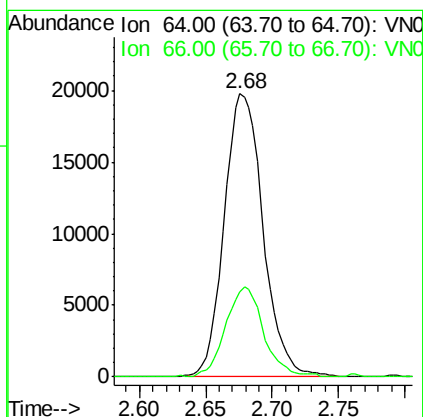
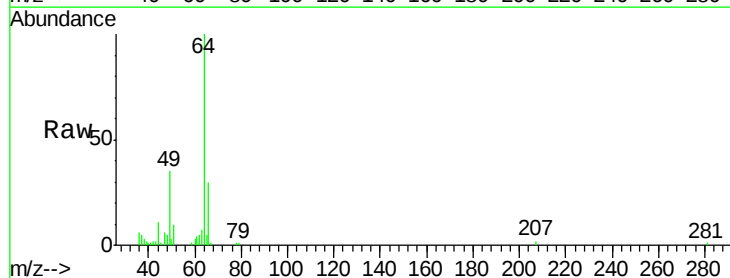
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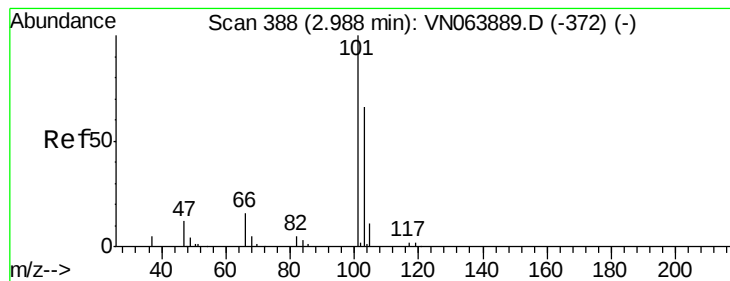
Tgt Ion: 64 Resp: 40253

Ion Ratio Lower Upper

64 100

66 30.1 25.8 38.8





#7

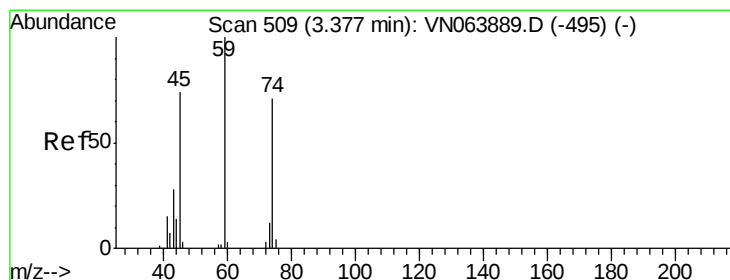
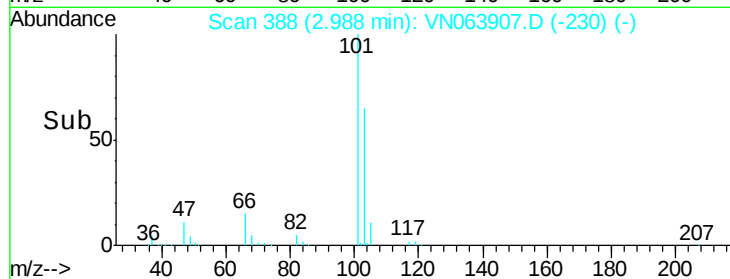
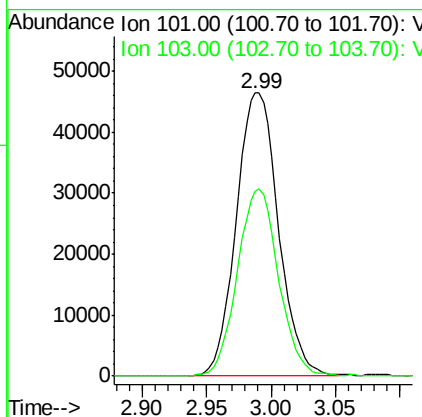
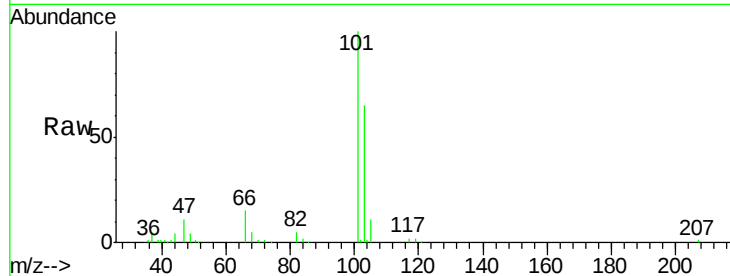
Trichlorofluoromethane
 Concen: 19.702 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
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 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.9	77.9

Manual Integrations
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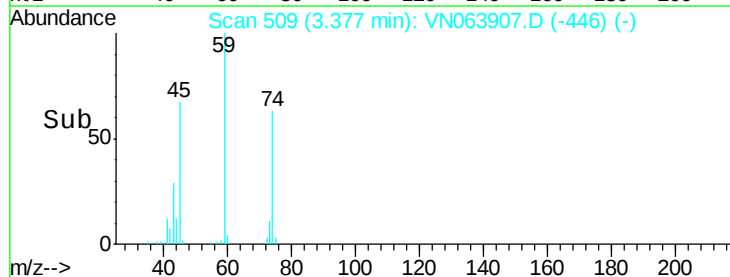
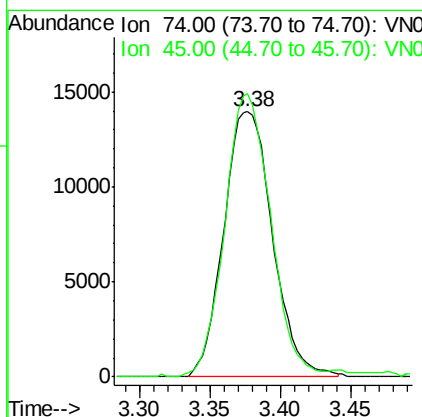
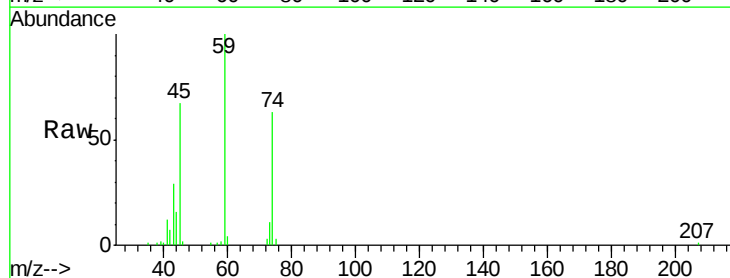
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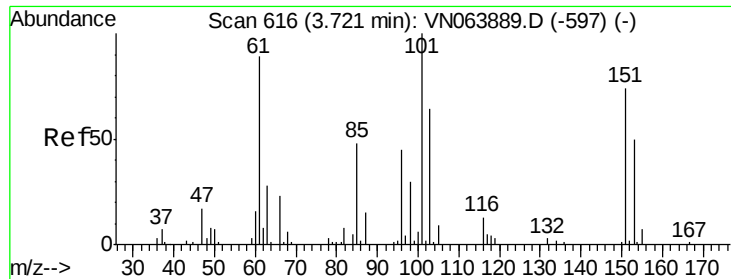


#8

Diethyl Ether
 Concen: 19.409 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.226 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063907.D

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Instrument :

MSVOA_N

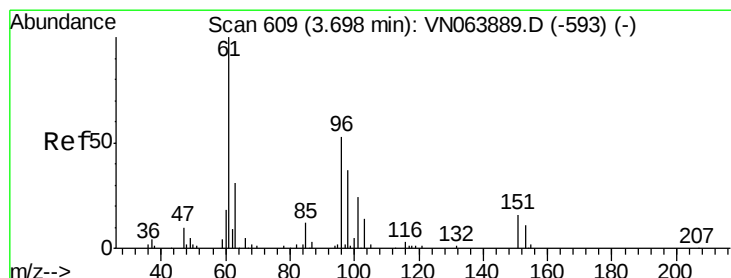
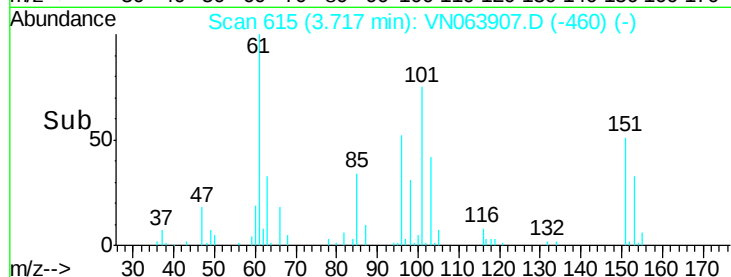
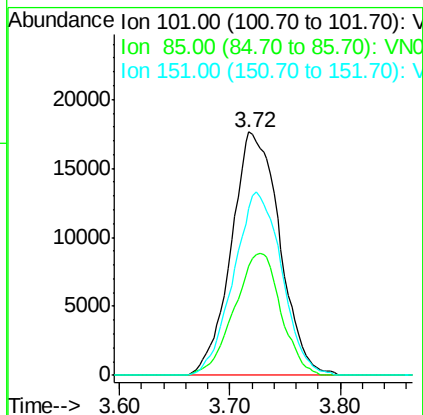
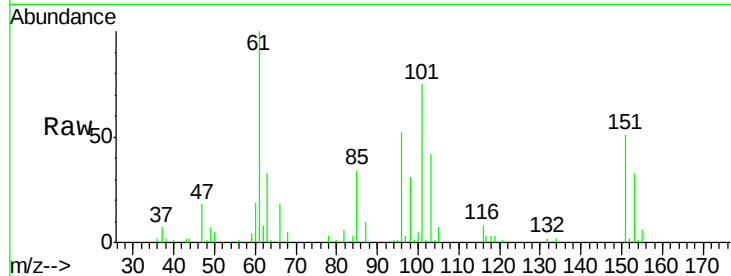
ClientSampleId :

VN1006WBSD03

Tot Ion:	101	Resp:	53632
Ion Ratio	Lower	Upper	
101	100		
85	48.2	0.0	85.0
151	75.1	0.0	161.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.087 ug/l

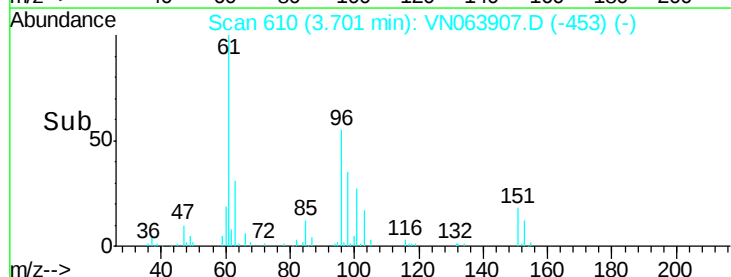
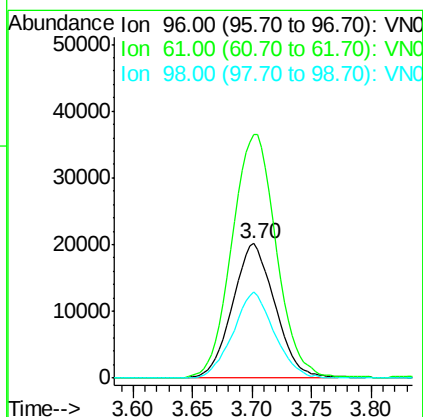
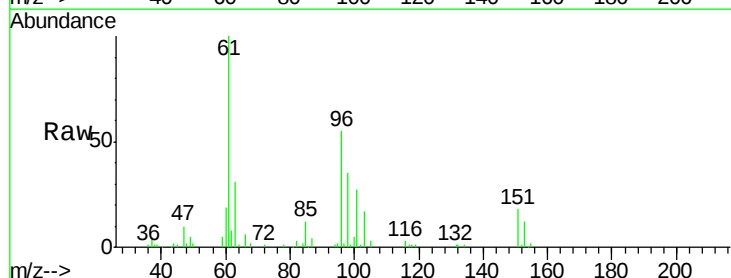
RT: 3.70 min Scan# 610

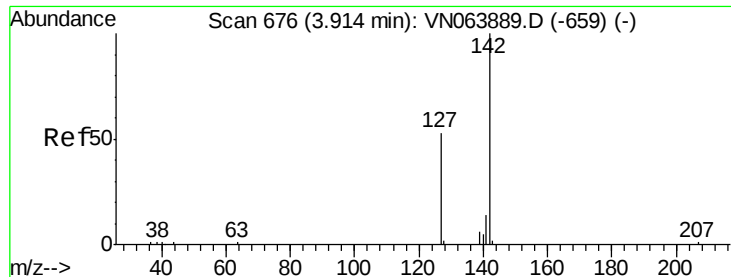
Delta R.T. 0.01 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Tgt Ion:	96	Resp:	49989
Ion Ratio	Lower	Upper	
96	100		
61	180.3	130.8	196.2
98	63.9	49.0	73.4





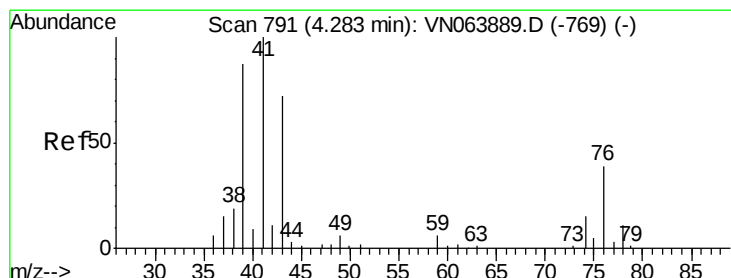
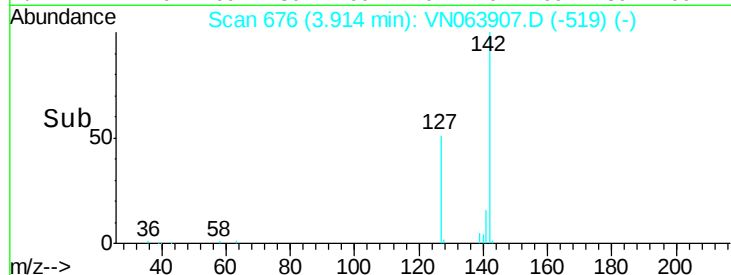
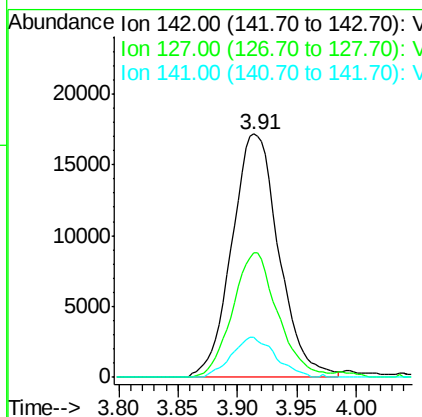
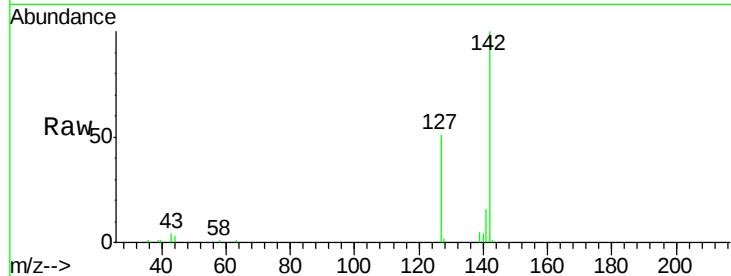
#11
Methvl Iodide
Concen: 14.096 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.01 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.4	20.9	62.8
141	16.4	6.7	20.1

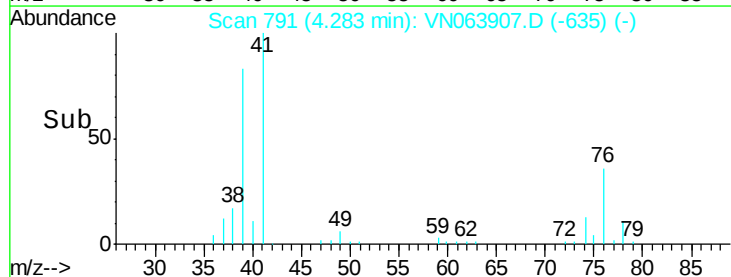
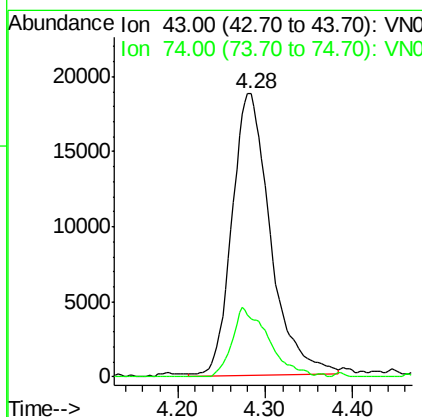
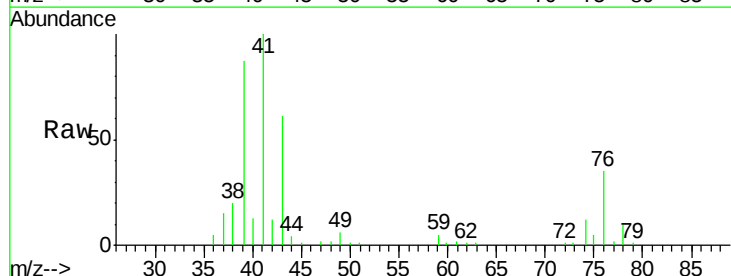
Manual Integrations
APPROVED

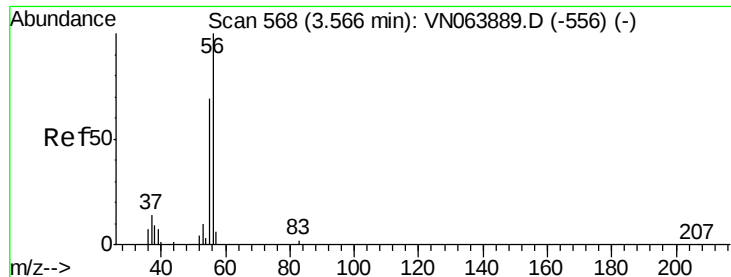
MMDadoda
10/7/2020 12:11:55 PM



#12
Methyl Acetate
Concen: 17.835 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	18.6	27.8





#13

Acrolein

Concen: 91.594 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 56 Resp: 28736

Ion Ratio Lower Upper

56 100

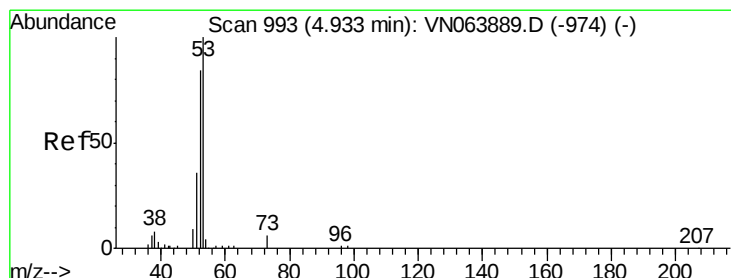
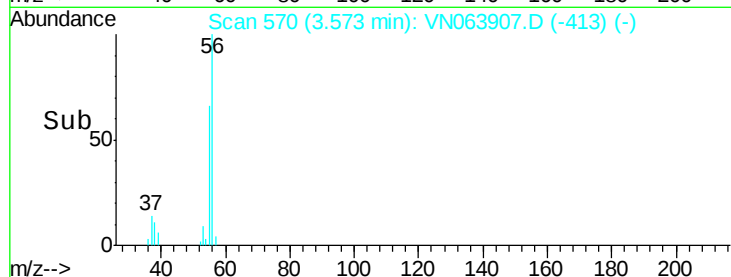
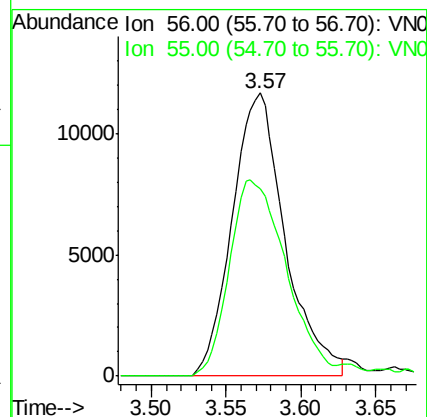
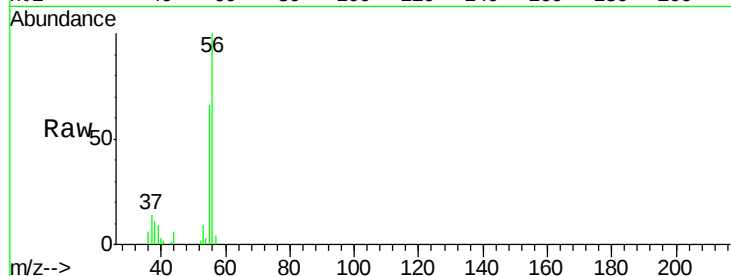
55 74.0 58.7 88.1

Manual Integrations

APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 83.445 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

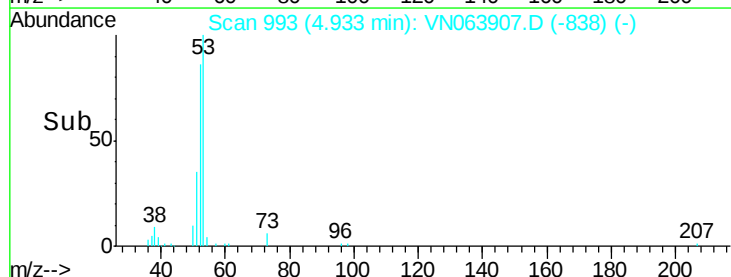
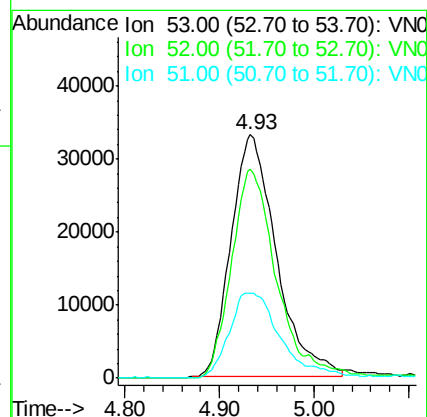
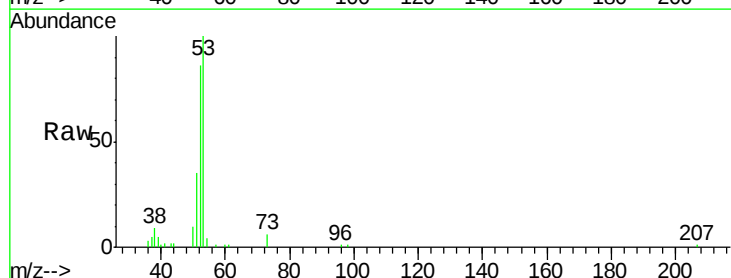
Tgt Ion: 53 Resp: 110584

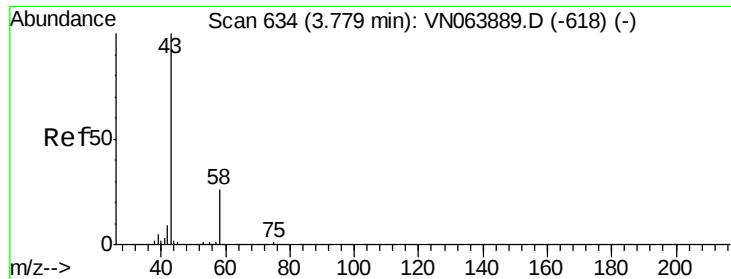
Ion Ratio Lower Upper

53 100

52 80.5 39.9 119.7

51 40.0 17.0 51.0





#15

Acetone

Concen: 84.912 ug/l m

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 58 Resp: 32573

Ion Ratio Lower Upper

58 100

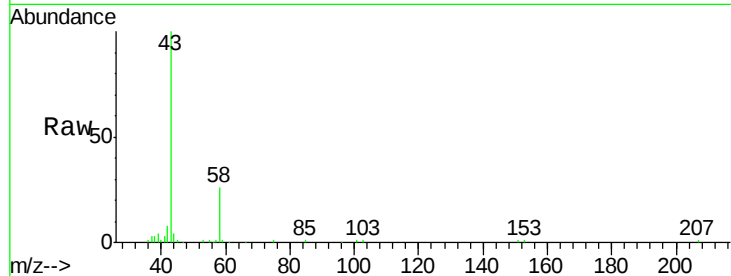
43 386.2 233.2 349.8#

Manual Integrations

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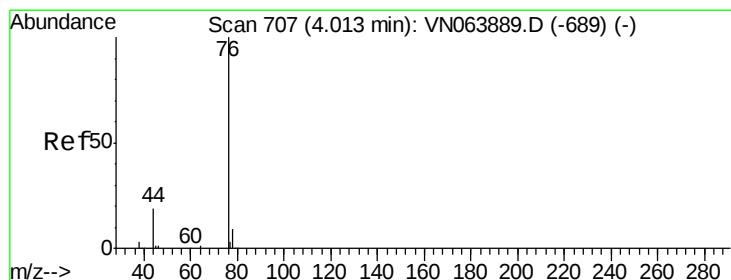
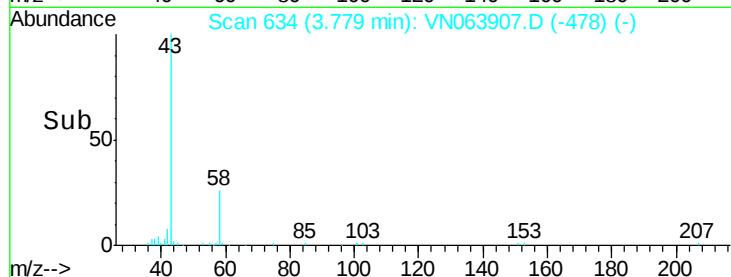
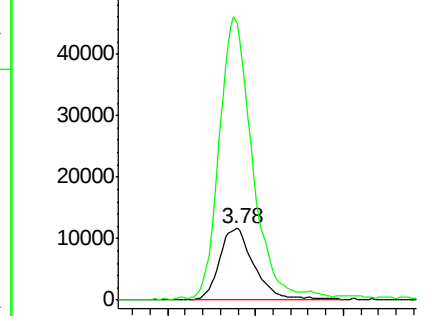
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Abundance Ion 58.00 (57.70 to 58.70): VN063889.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-618) (-)



#16

Carbon Disulfide

Concen: 18.738 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN063907.D

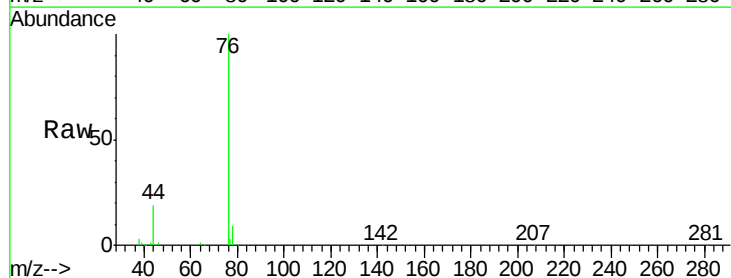
Acq: 6 Oct 2020 20:43

Tgt Ion: 76 Resp: 145530

Ion Ratio Lower Upper

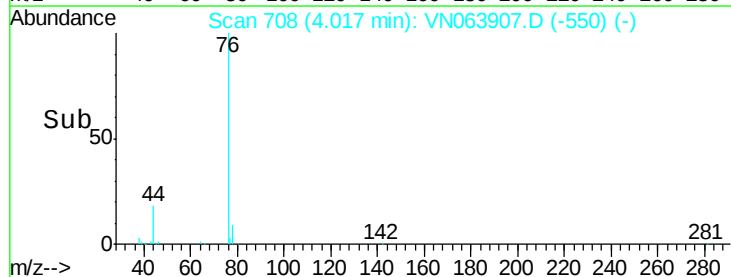
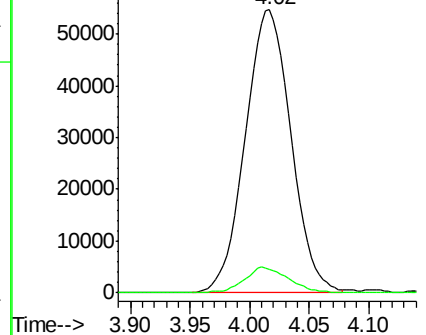
76 100

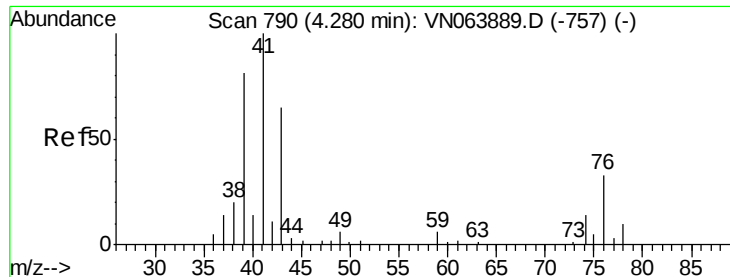
78 8.5 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-689) (-)





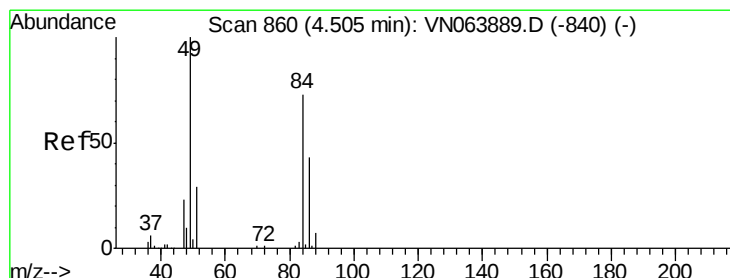
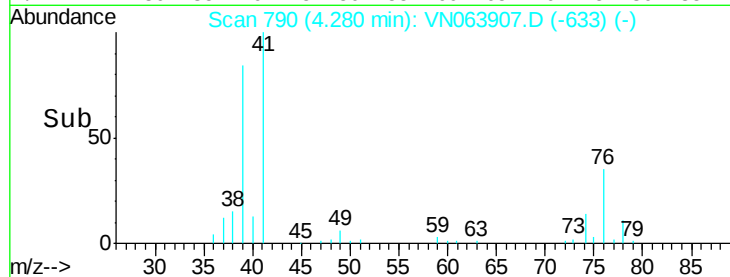
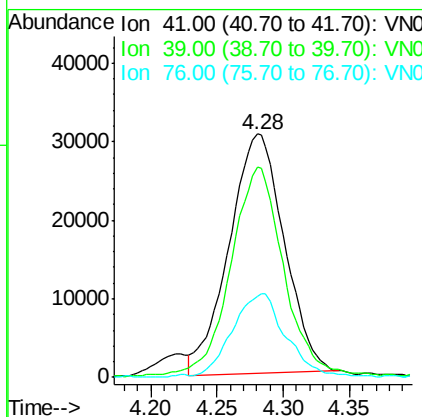
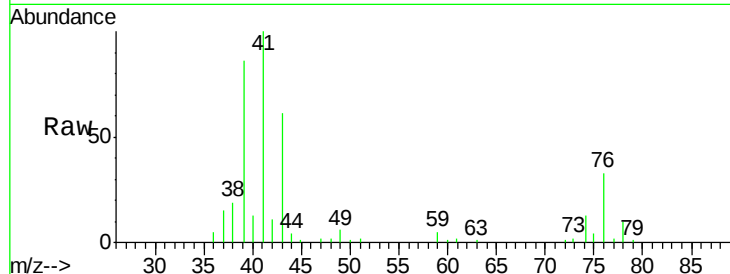
#17
Allvl chloride
Concen: 18.047 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.3	33.8	101.4
76	33.2	19.4	58.4

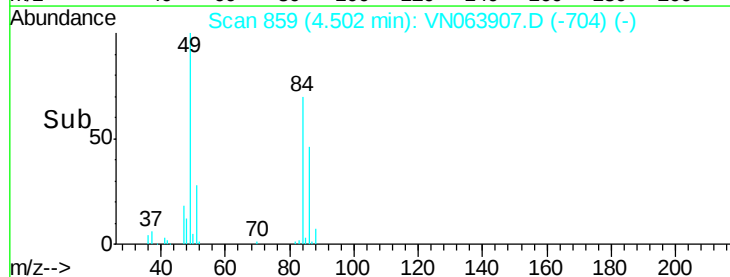
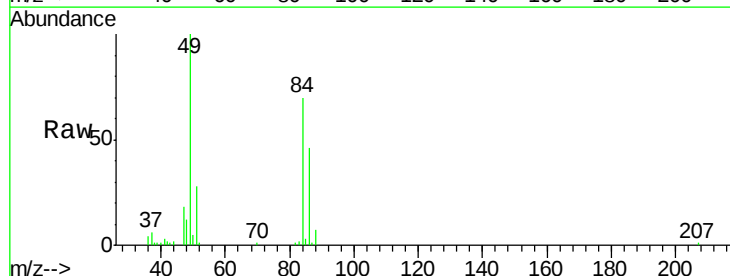
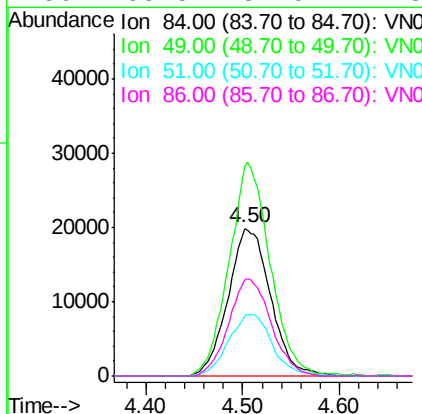
Manual Integrations
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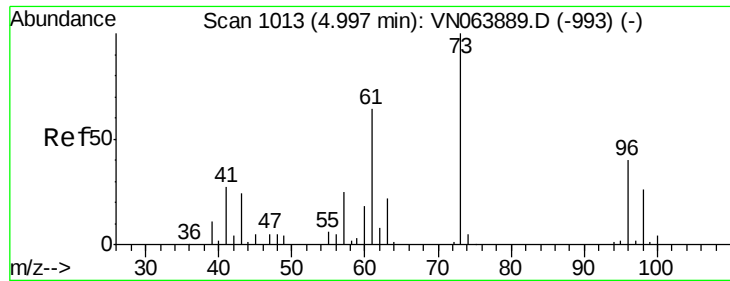
MMDadoda
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#18
Methylene Chloride
Concen: 19.345 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.0	97.8	146.8
51	40.5	30.7	46.1
86	65.5	51.5	77.3





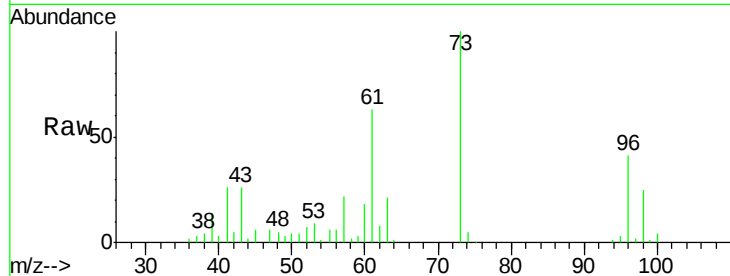
#19
trans-1,2-Dichloroethene
Concen: 18.741 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	115.9	173.9
98	60.2	53.3	79.9

Manual Integrations
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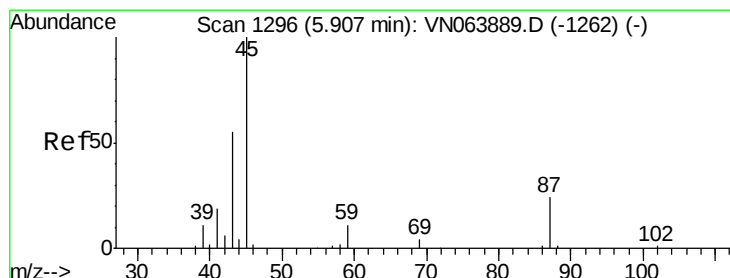
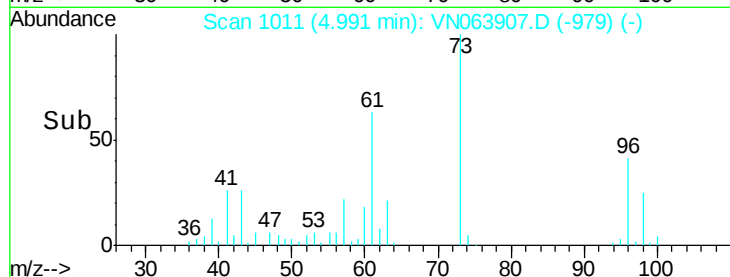
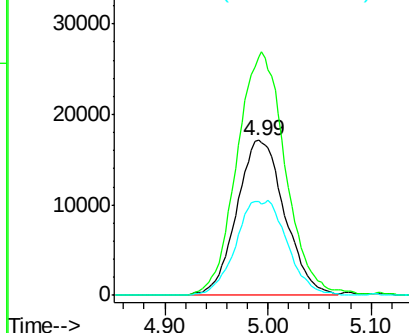
MMDadoda
10/7/2020 12:11:55 PM



Abundance Ion 96.00 (95.70 to 96.70): VN063889.D (-993) (-)

Ion 61.00 (60.70 to 61.70): VN063889.D (-993) (-)

Ion 98.00 (97.70 to 98.70): VN063889.D (-993) (-)



#20
Diisopropyl ether
Concen: 18.784 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

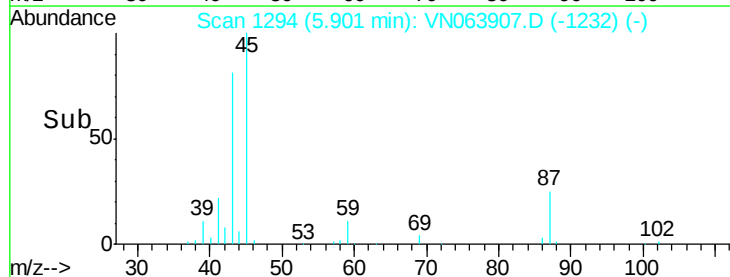
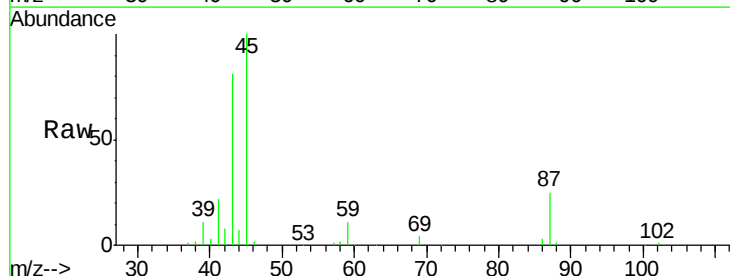
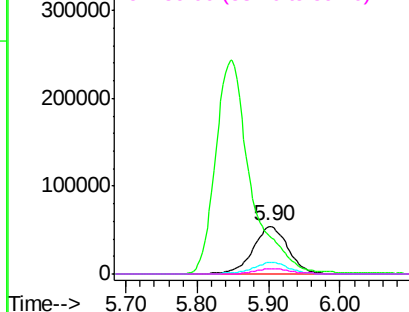
Tgt Ion	Ratio	Lower	Upper
45	100		
43	79.7	51.8	77.6#
87	25.0	21.8	32.6
59	11.2	9.6	14.4

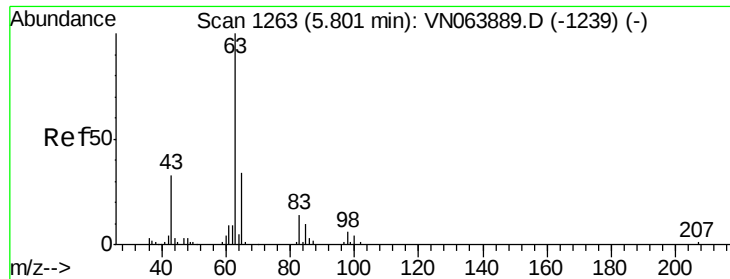
Abundance Ion 45.00 (44.70 to 45.70): VN063889.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN063889.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN063889.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN063889.D (-1262) (-)





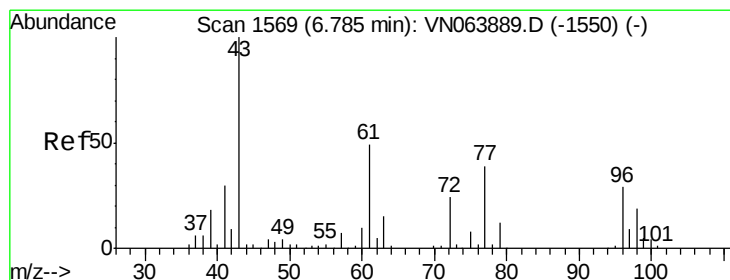
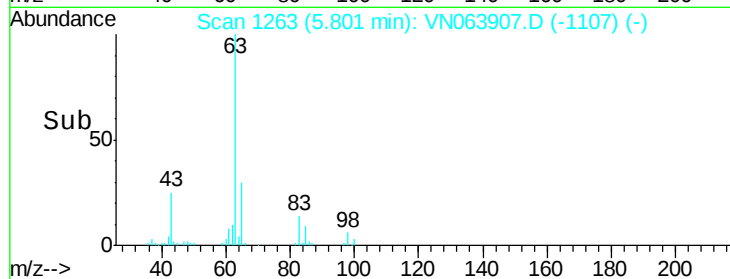
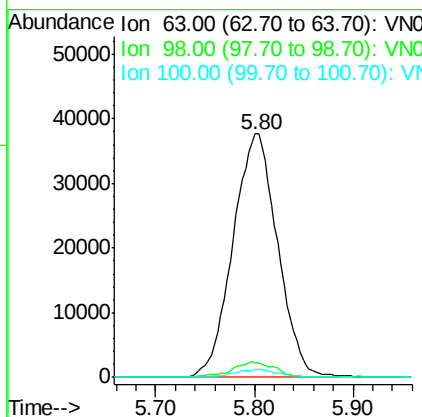
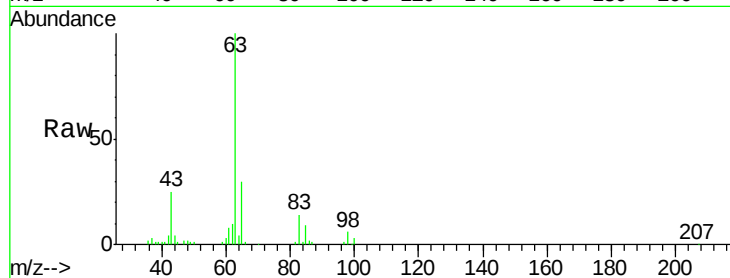
#21
 1,1-Dichloroethane
 Concen: 19.919 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.2	3.1	9.3
100	3.2	1.8	5.3

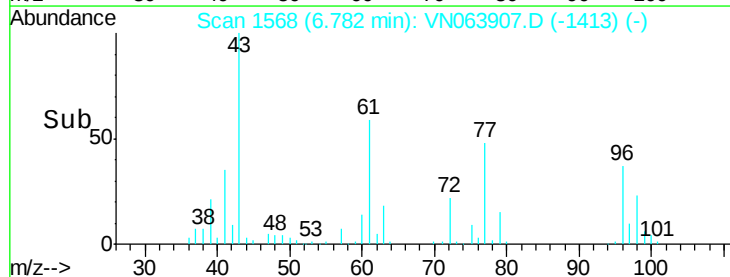
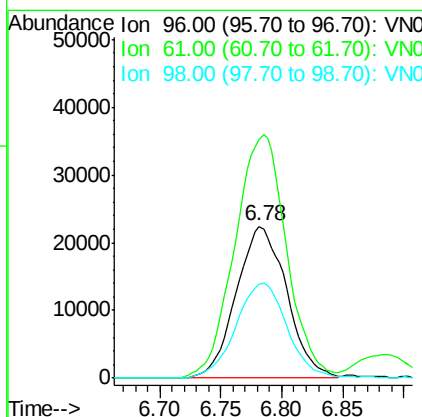
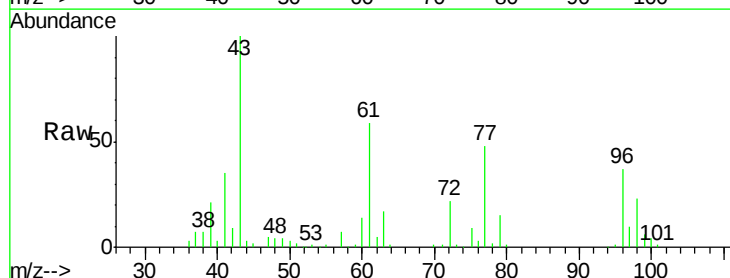
Manual Integrations
 APPROVED

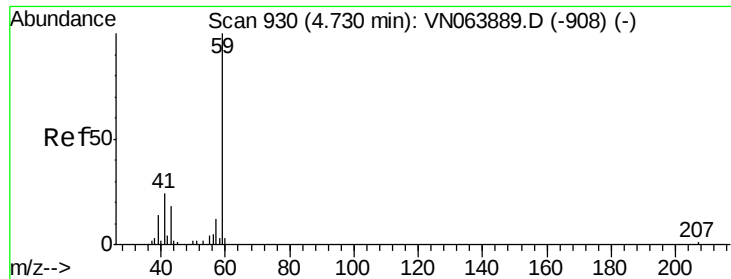
MMDadoda
 10/7/2020 12:11:55 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.097 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	164.3	120.9	181.3
98	63.3	50.3	75.5





#23

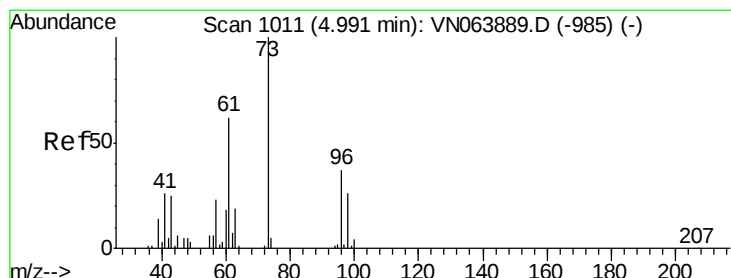
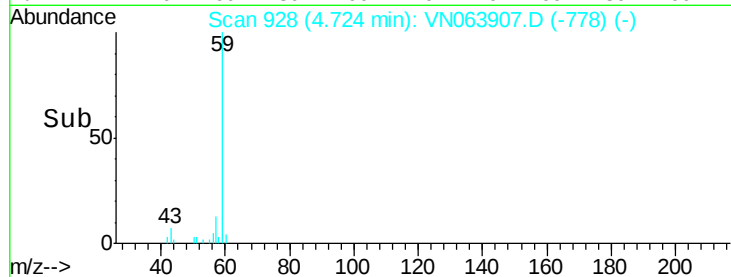
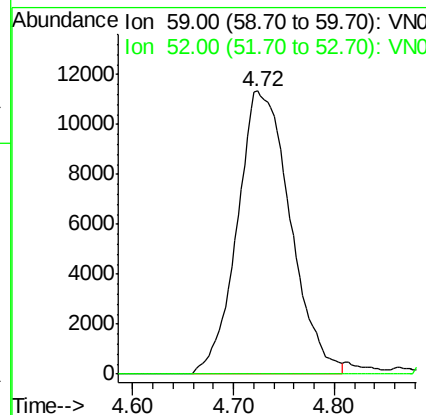
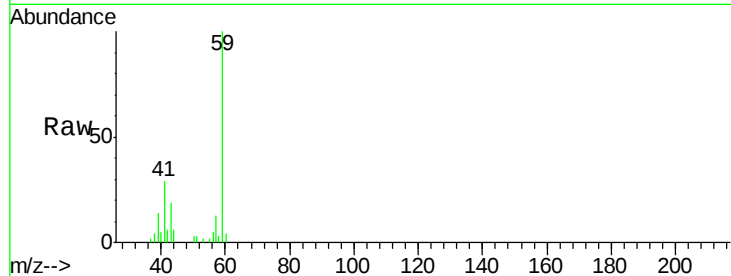
tert-Butyl Alcohol
Concen: 72.916 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.02 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.2	0.0	0.0#

Manual Integrations
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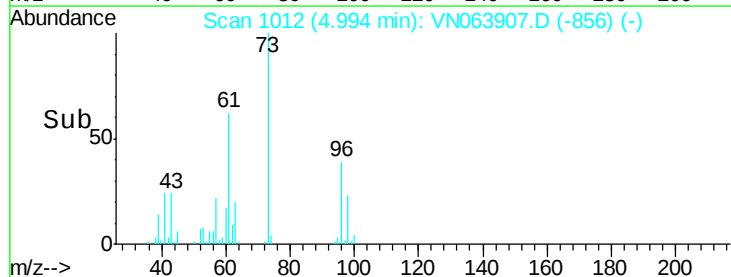
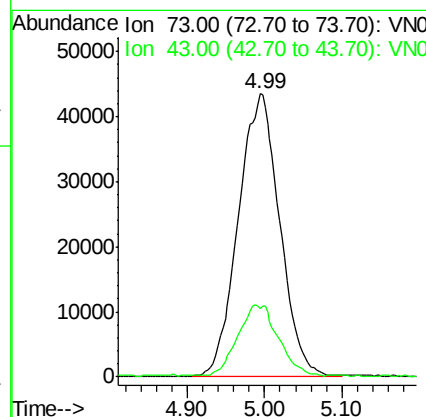
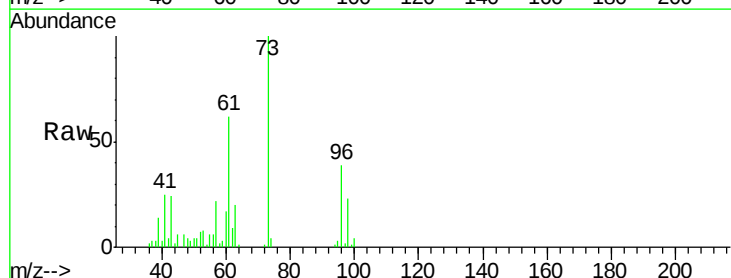
MMDadoda
10/7/2020 12:11:55 PM

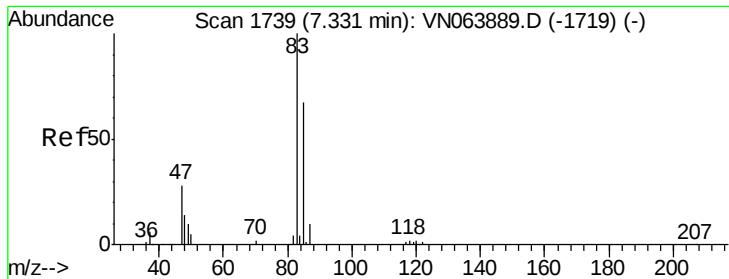


#24

Methyl tert-Butyl Ether
Concen: 18.453 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	13.3	15.8	23.6#





#25

Chloroform

Concen: 18.993 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 83 Resp: 118138

Ion Ratio Lower Upper

83 100

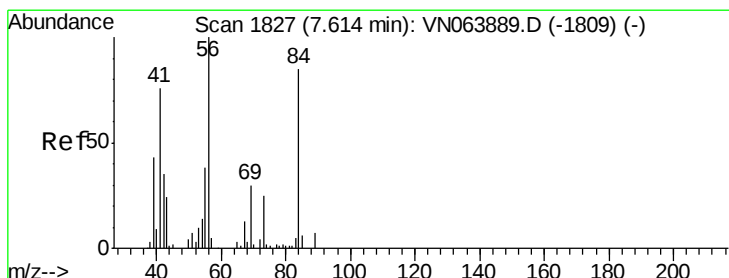
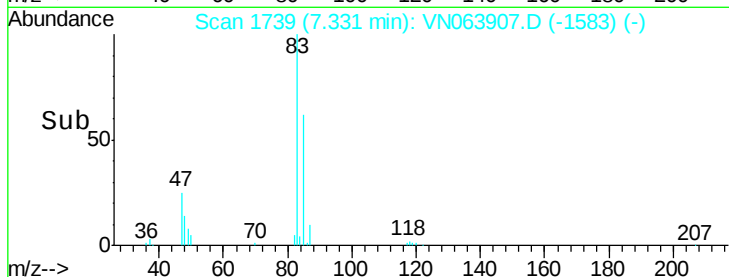
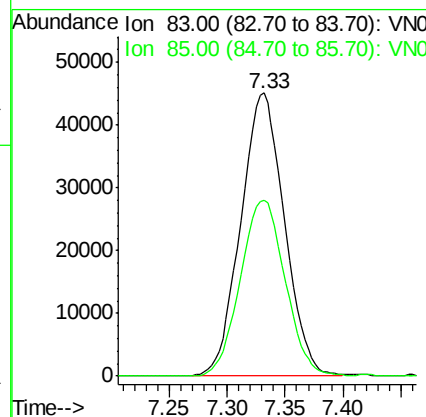
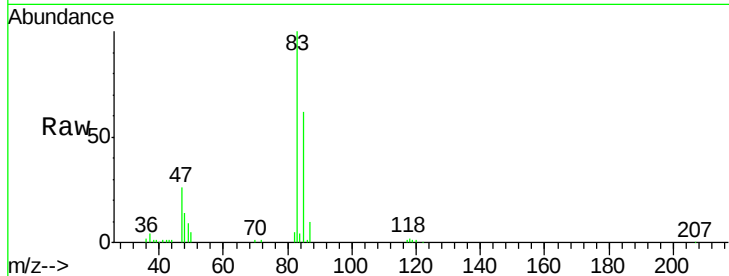
85 62.1 51.0 76.4

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#26

Cyclohexane

Concen: 18.483 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

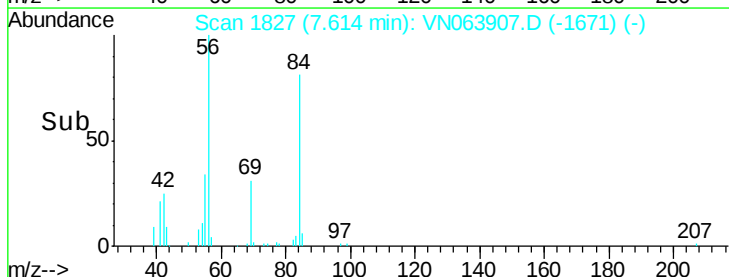
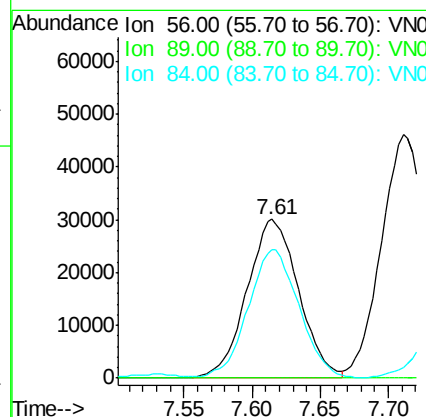
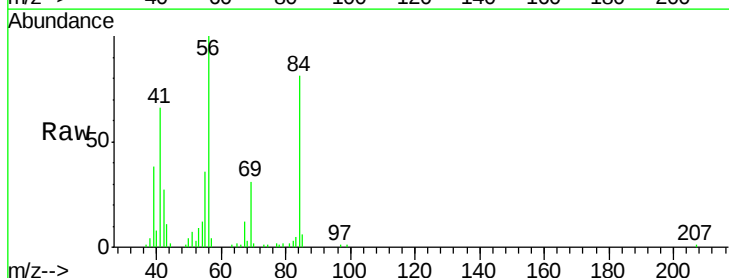
Tgt Ion: 56 Resp: 78977

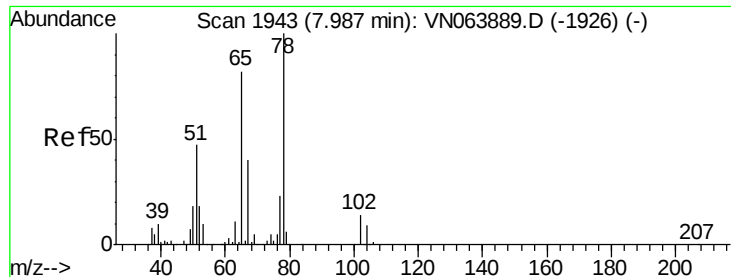
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 79.8 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 30.690 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 65 Resp: 134525

Ion Ratio Lower Upper

65 100

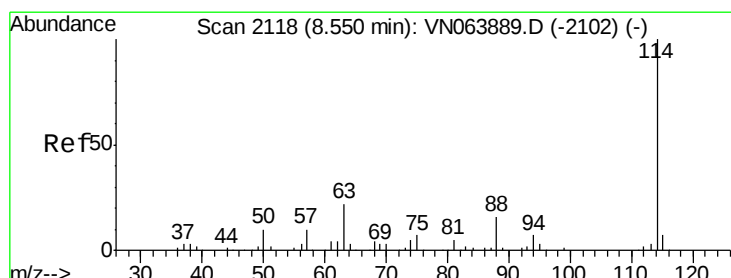
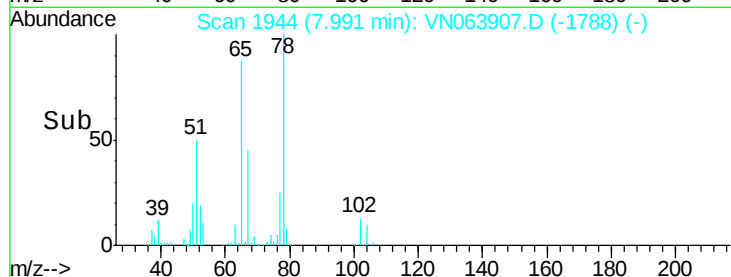
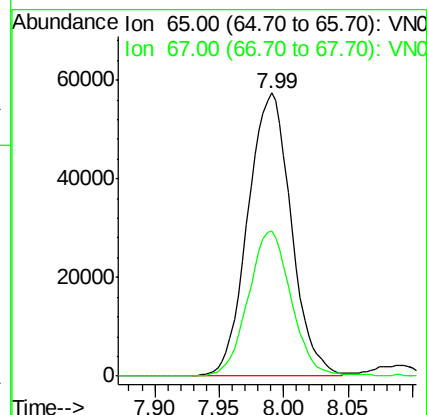
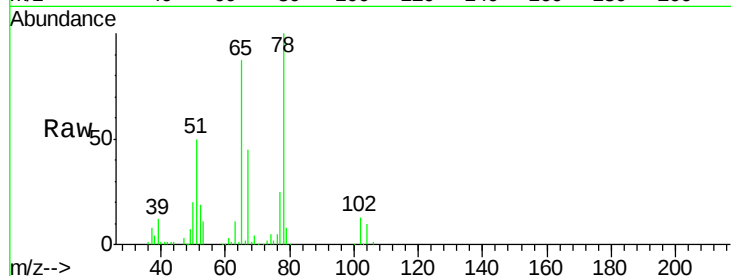
67 50.6 43.8 65.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

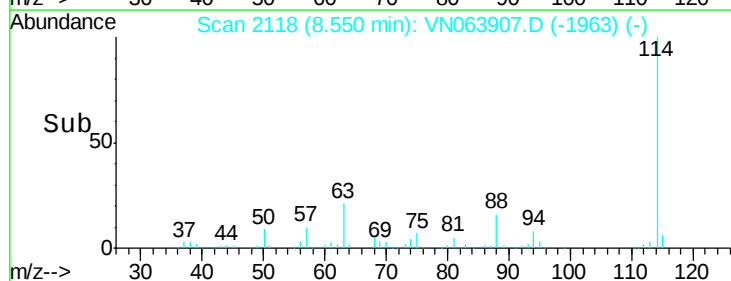
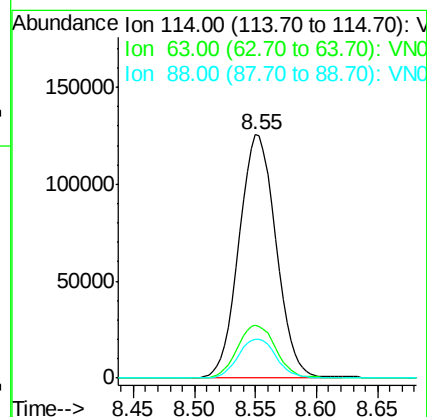
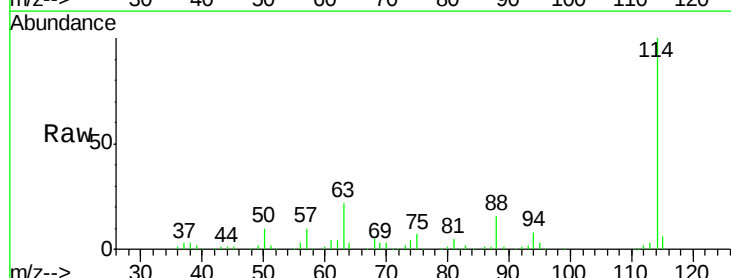
Tgt Ion: 114 Resp: 264849

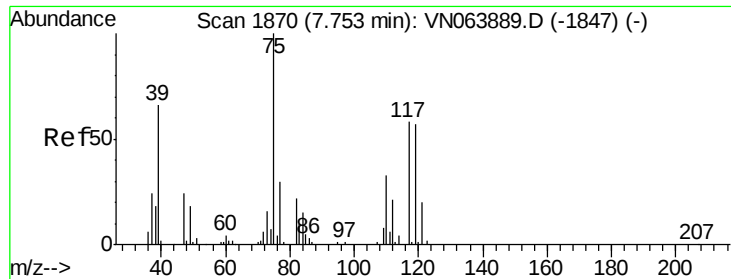
Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.6

88 16.4 12.6 18.8





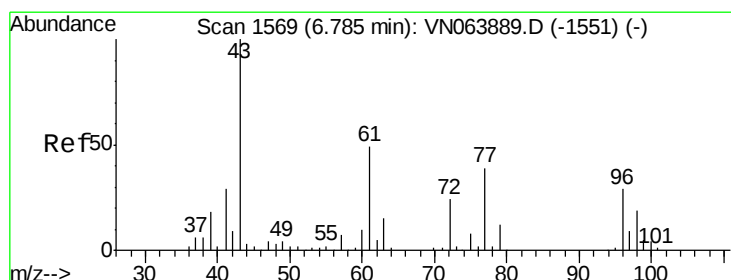
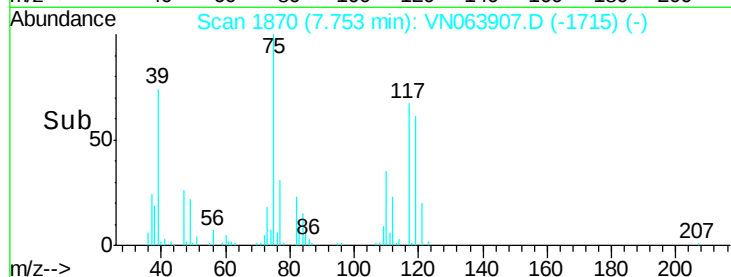
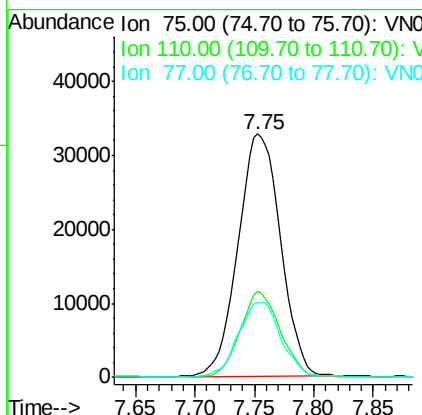
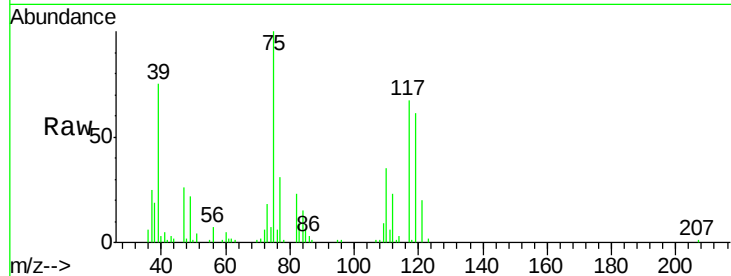
#29
 1,1-Dichloropropene
 Concen: 17.541 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	70.6
77	31.2	0.0	60.2

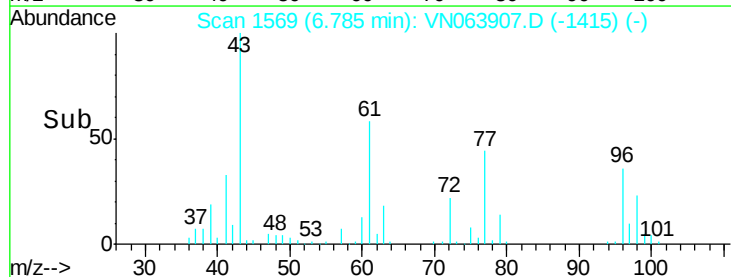
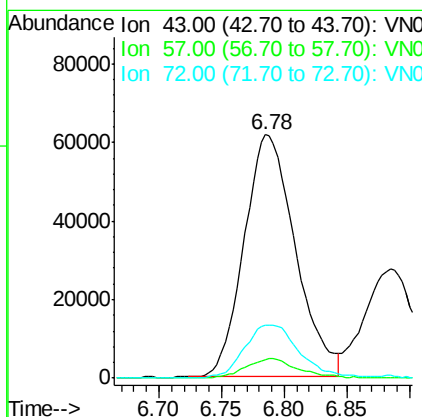
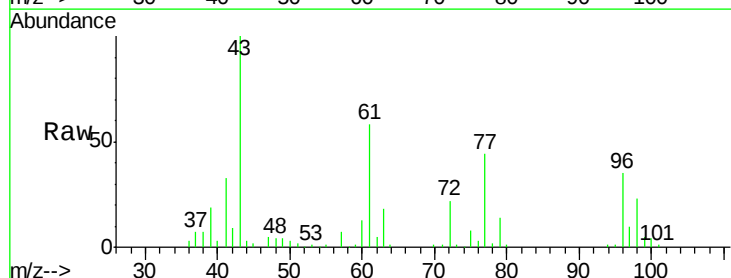
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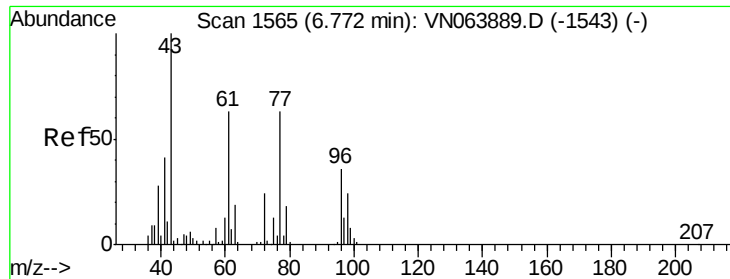
MMDadoda
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#30
 2-Butanone
 Concen: 77.191 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.6	9.8
72	23.5	21.3	31.9





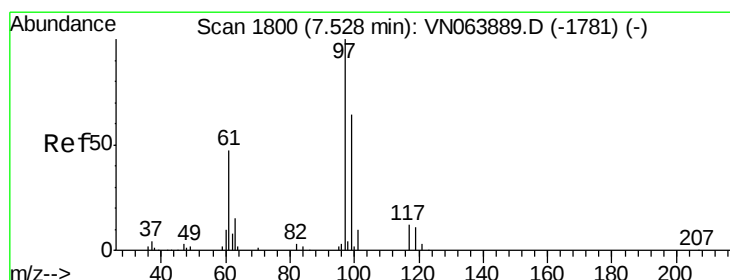
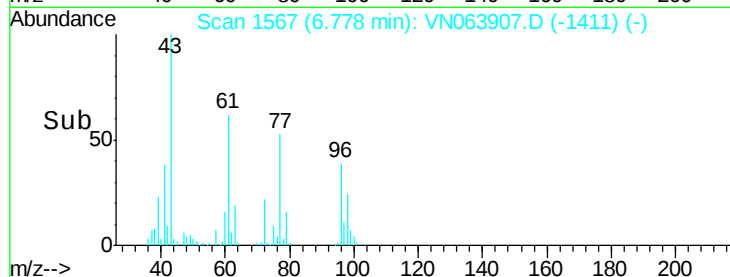
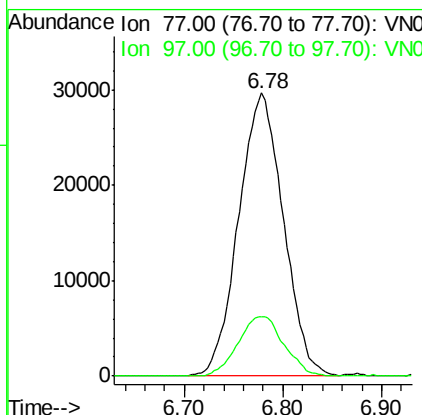
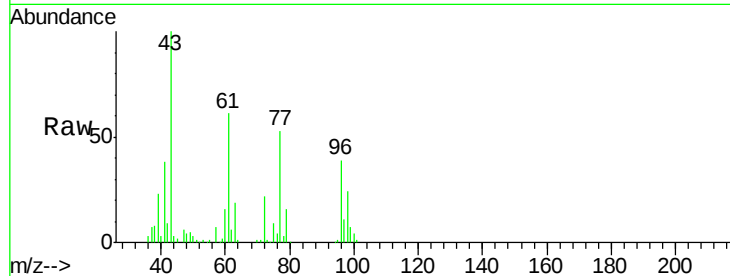
#31
 2,2-Dichloropropane
 Concen: 16.811 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion: 77 Resp: 93181
 Ion Ratio Lower Upper
 77 100
 97 21.5 18.2 27.4

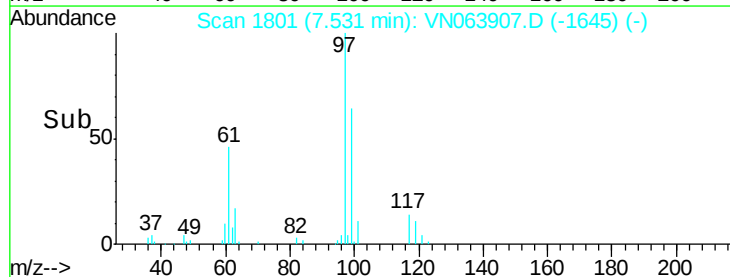
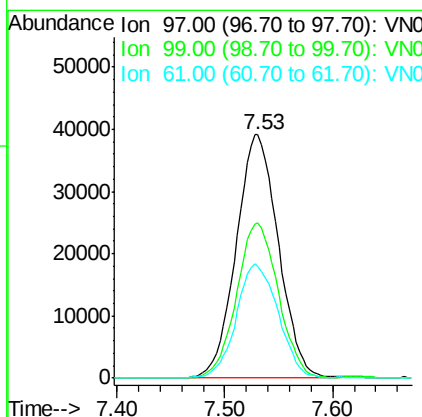
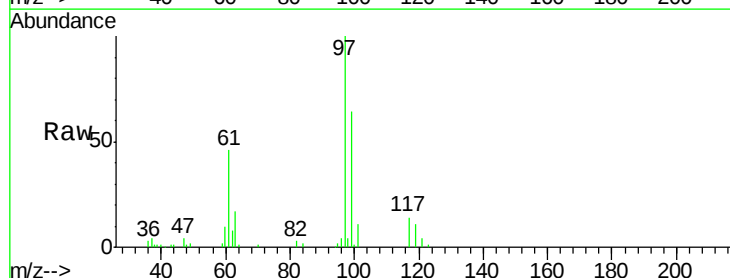
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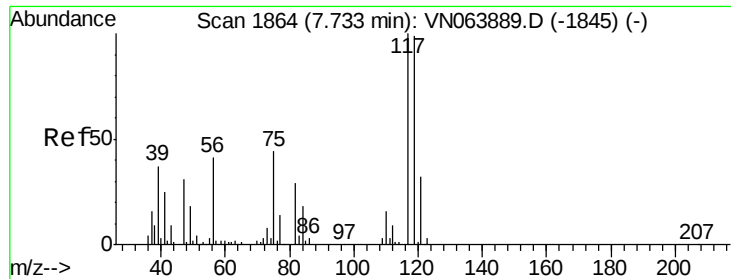
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#32
 1,1,1-Trichloroethane
 Concen: 18.014 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion: 97 Resp: 106589
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.7 77.5
 61 46.4 35.3 52.9





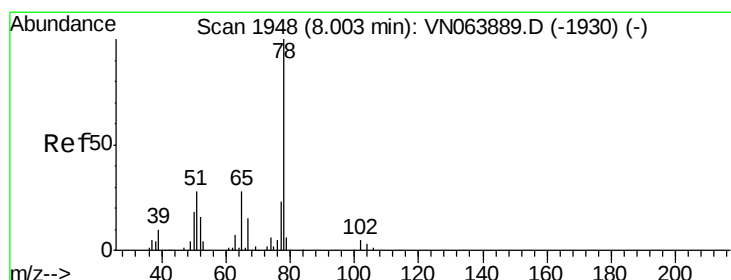
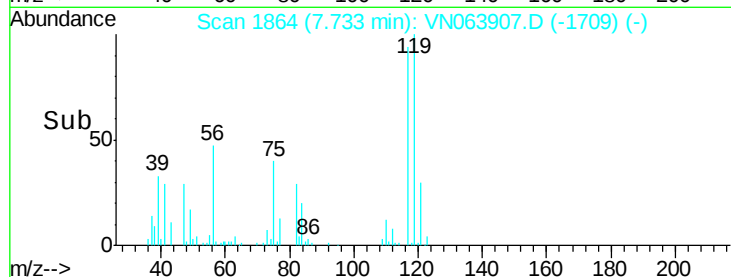
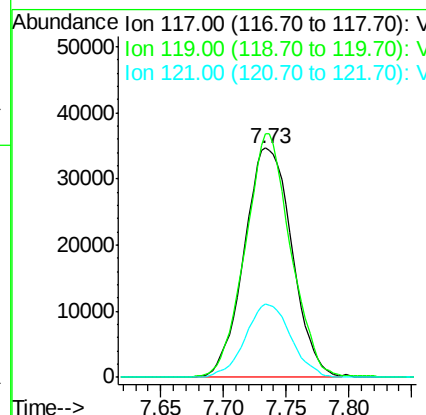
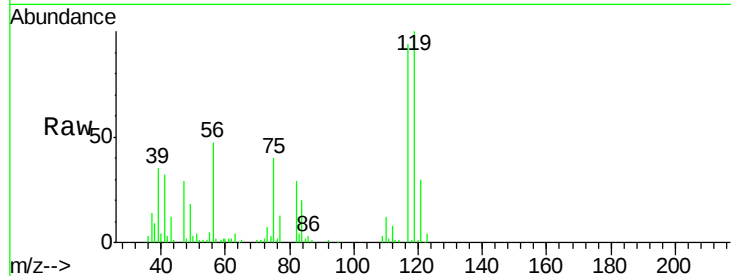
#33
Carbon Tetrachloride
Concen: 17.709 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
119	106.1	73.0	109.4
121	31.7	24.9	37.3

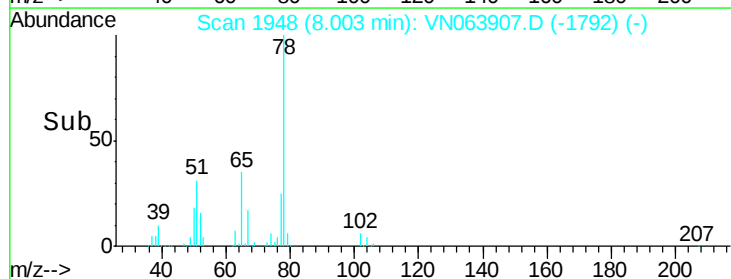
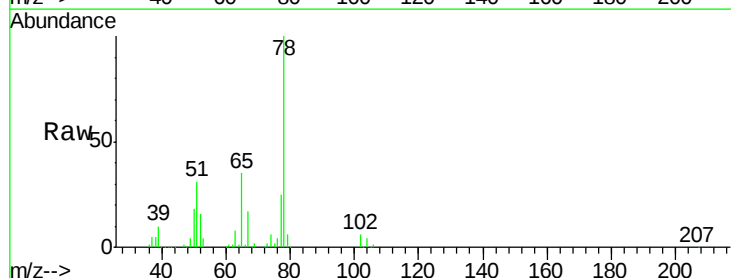
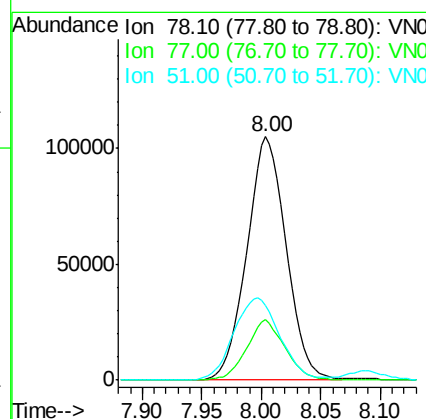
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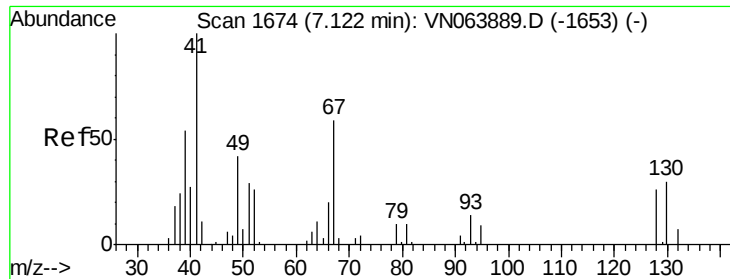
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#34
Benzene
Concen: 18.279 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	27.8
51	30.5	22.2	33.2





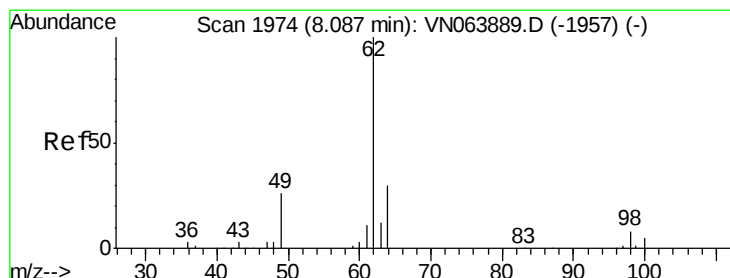
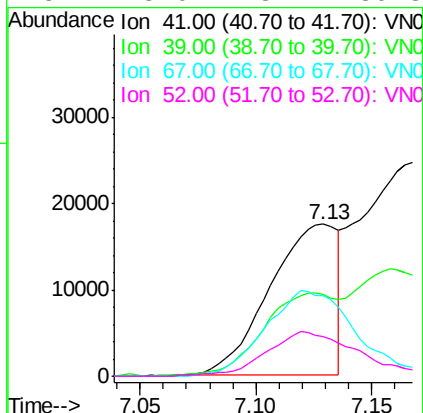
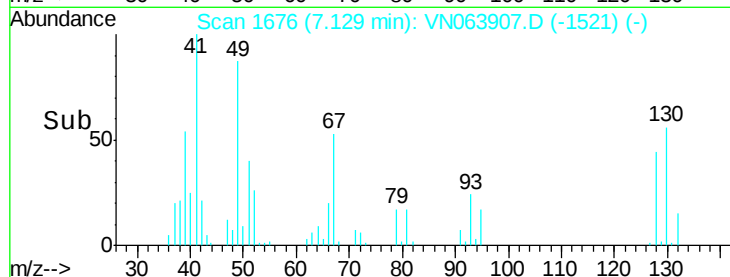
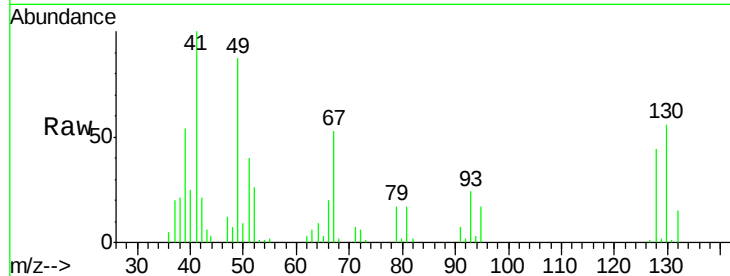
#35
Methacrylonitrile
Concen: 16.382 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	41.00	Resp	35419
Ion	Ratio	Lower	Upper
41	100		
39	52.8	23.7	71.1
67	53.2	31.6	94.7
52	25.0	13.1	39.3

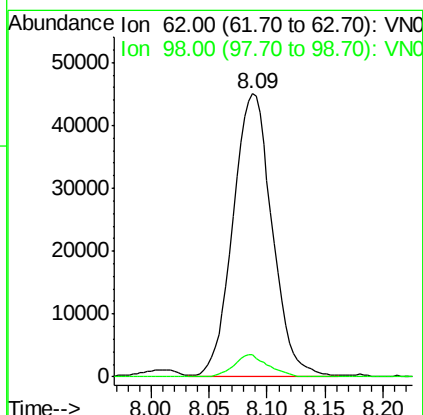
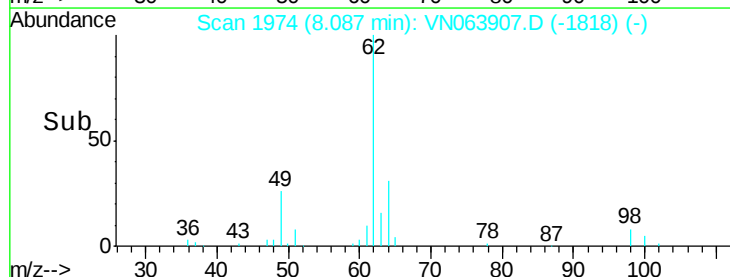
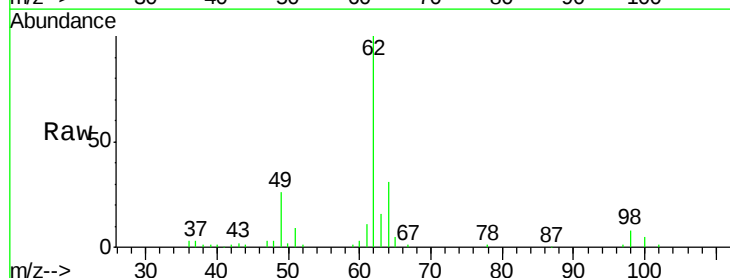
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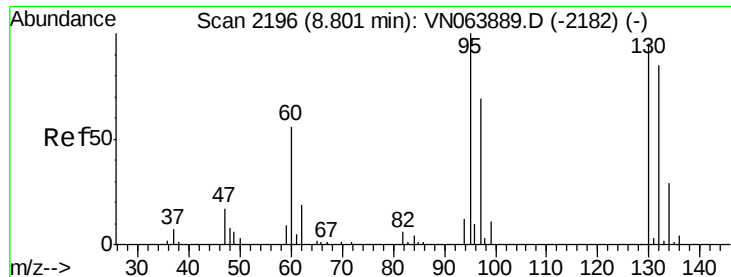
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#36
1,2-Dichloroethane
Concen: 18.260 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	62.00	Resp	105797
Ion	Ratio	Lower	Upper
62	100		
98	6.8	7.6	11.4#





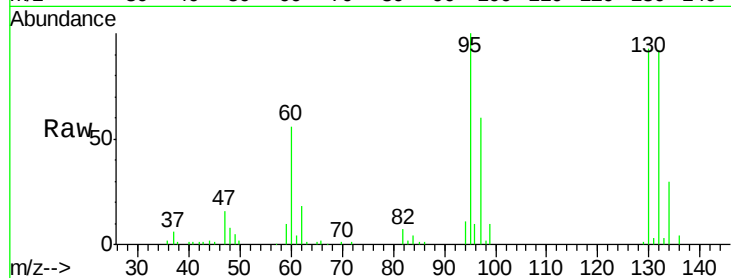
#37
 Trichloroethene
 Concen: 17.482 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

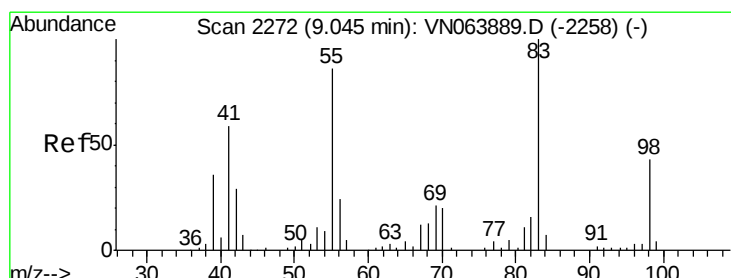
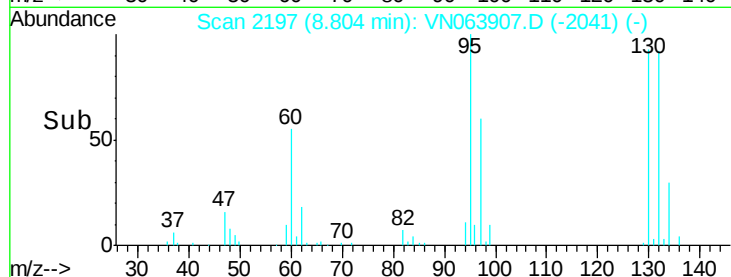
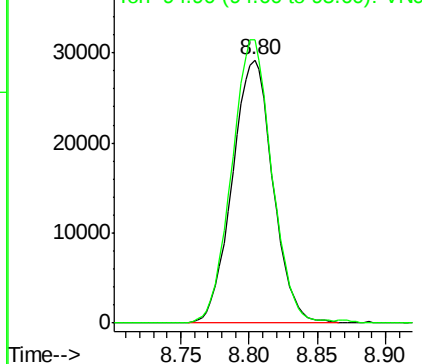
Tot Ion:130 Resp: 60403
 Ion Ratio Lower Upper
 130 100
 95 107.4 78.9 118.3

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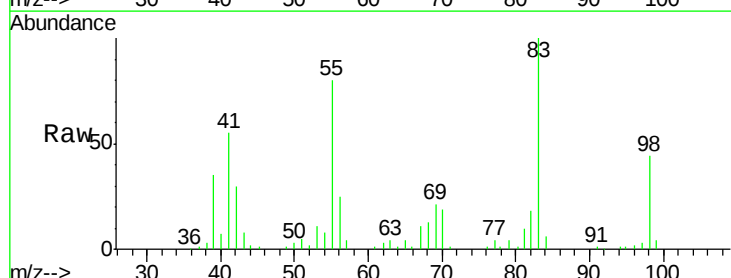


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

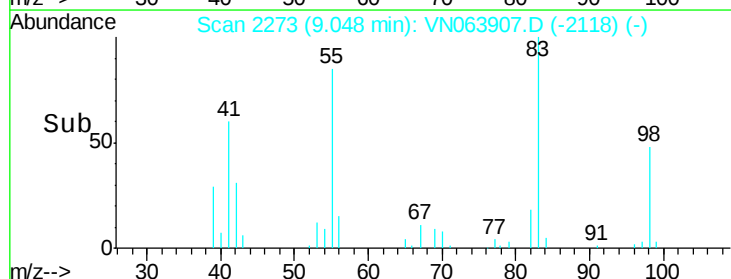
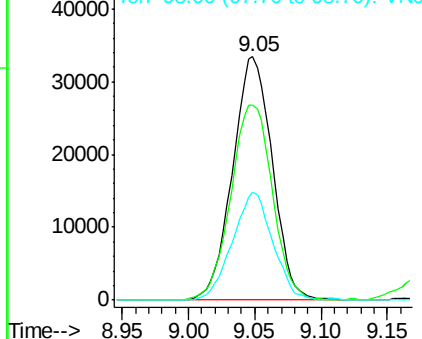


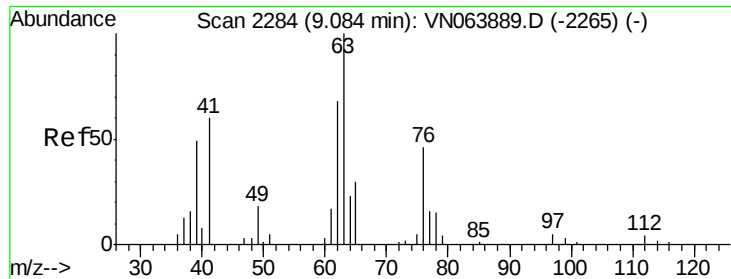
#38
 Methylcyclohexane
 Concen: 17.797 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion: 83 Resp: 69696
 Ion Ratio Lower Upper
 83 100
 55 83.6 41.9 125.7
 98 44.9 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





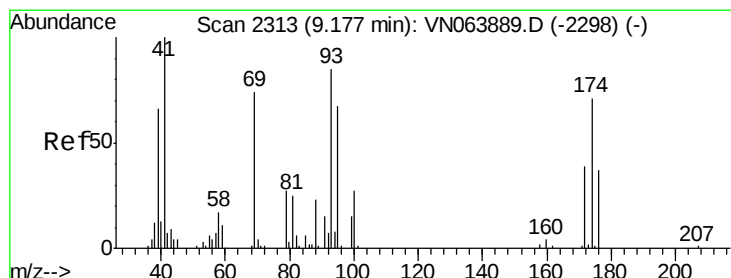
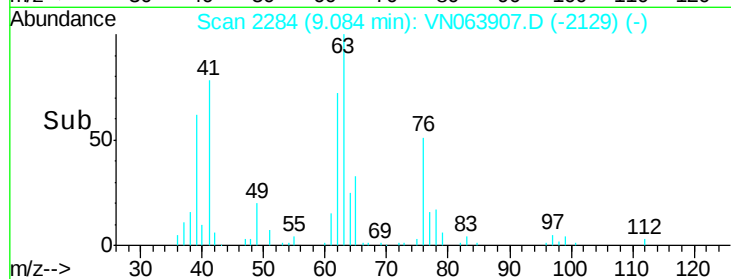
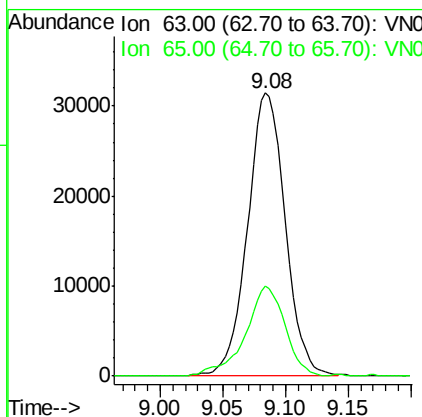
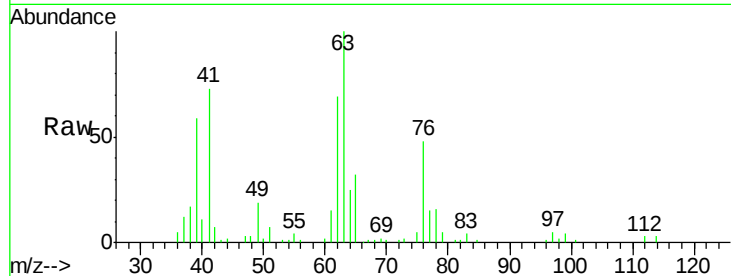
#39
 1,2-Dichloropropane
 Concen: 18.410 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion: 63 Resp: 65965
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7

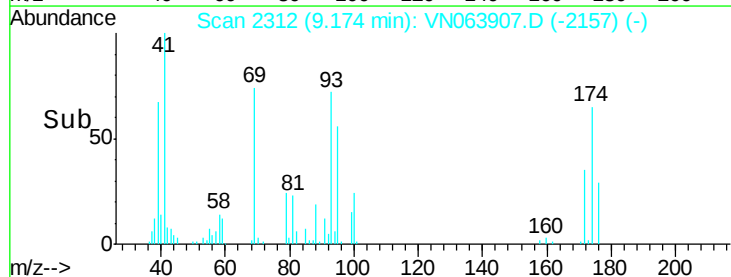
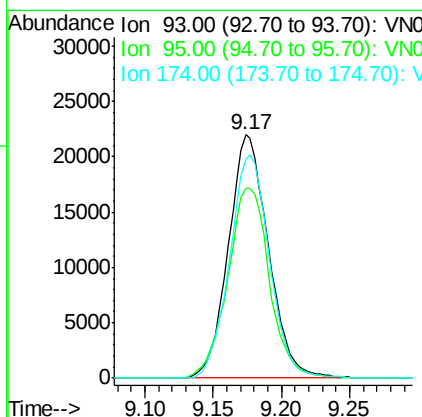
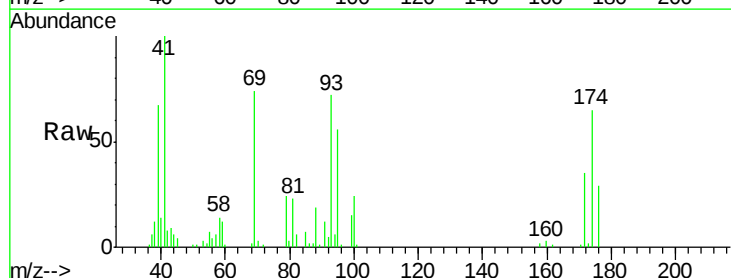
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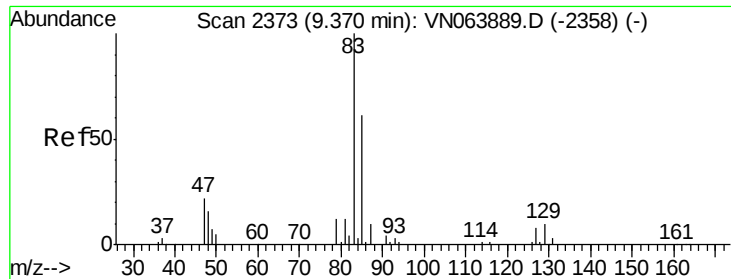
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#40
 Dibromomethane
 Concen: 17.877 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion: 93 Resp: 44735
 Ion Ratio Lower Upper
 93 100
 95 81.6 0.0 168.2
 174 91.2 0.0 208.4





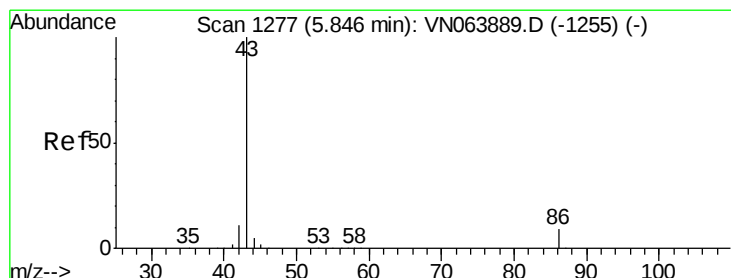
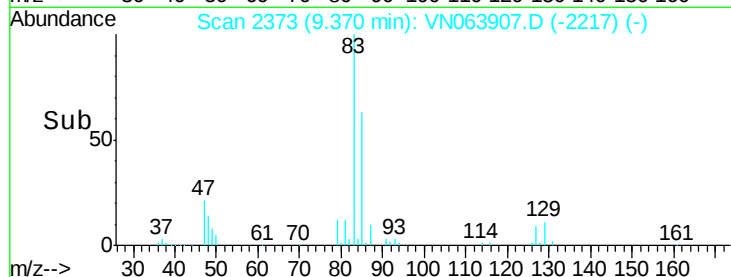
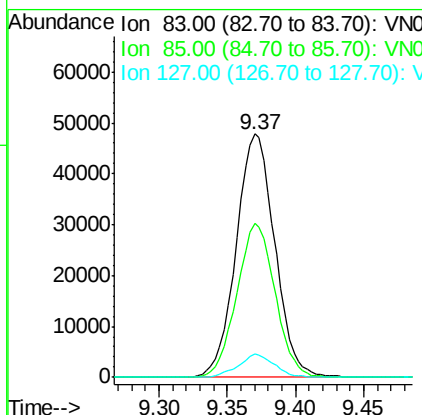
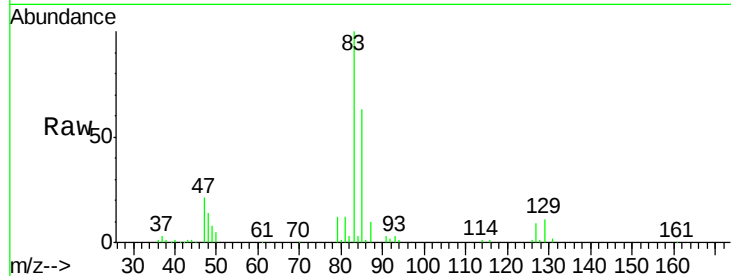
#41
Bromodichloromethane
Concen: 18.059 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	79.0
127	9.4	7.4	11.0

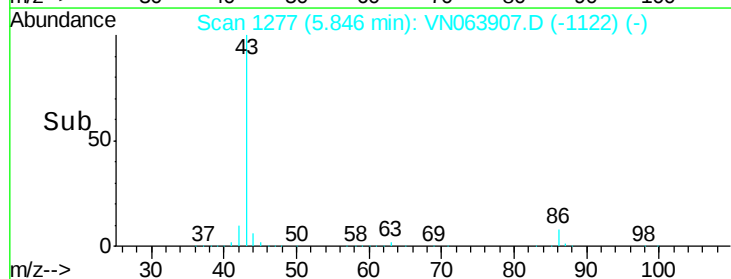
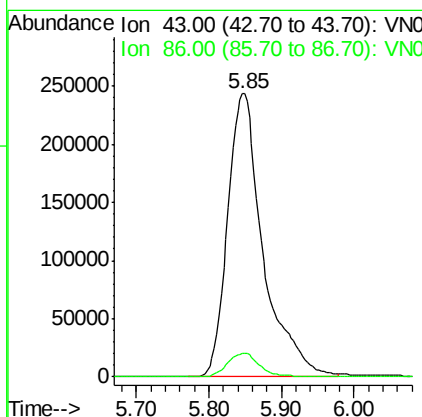
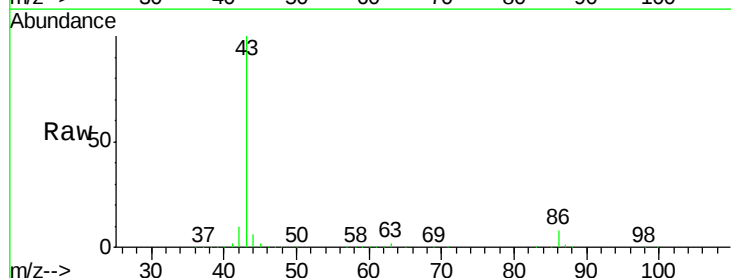
Manual Integrations
APPROVED

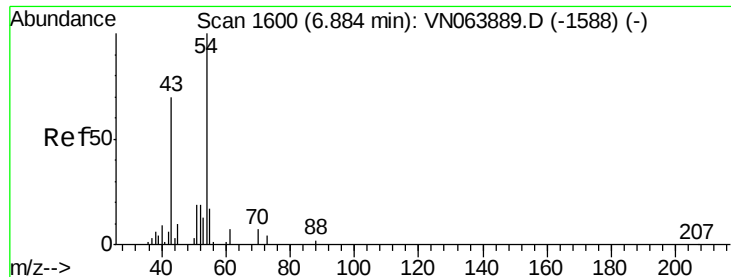
MMDadoda
10/7/2020 12:11:55 PM



#42
Vinyl Acetate
Concen: 87.928 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.7	10.1





#43

Ethyl Acetate

Concen: 16.407 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 43 Resp: 79928

Ion Ratio Lower Upper

43 100

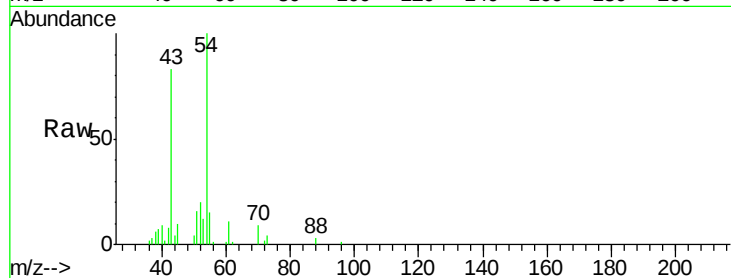
45 10.4 11.3 16.9#

Manual Integrations

APPROVED

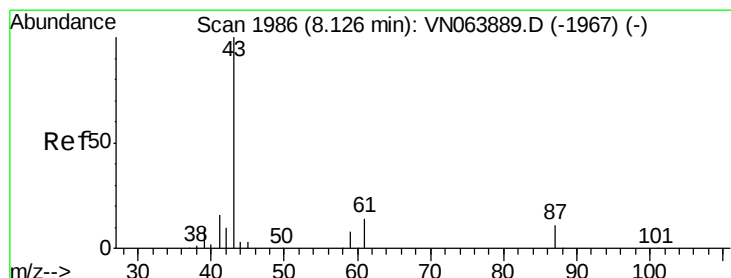
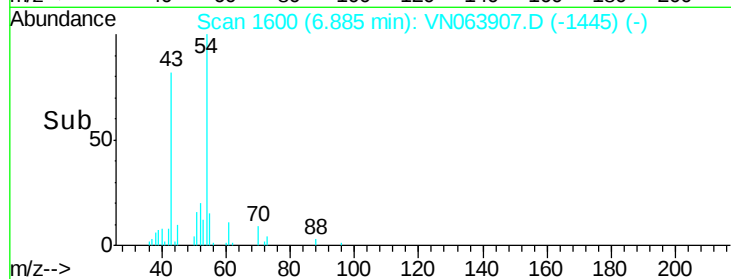
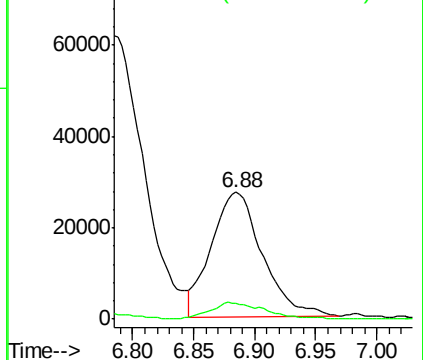
MMDadoda

10/7/2020 12:11:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 16.687 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063907.D

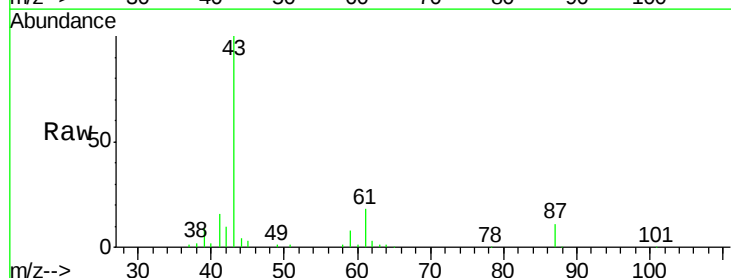
Acq: 6 Oct 2020 20:43

Tgt Ion: 43 Resp: 134724

Ion Ratio Lower Upper

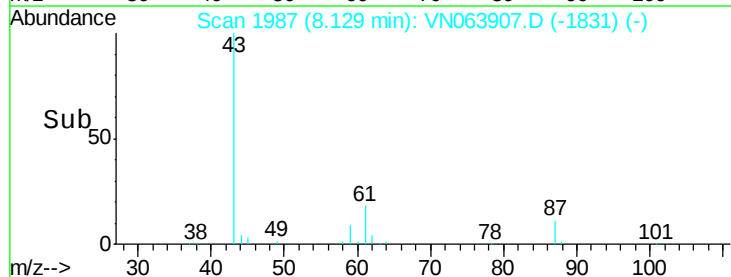
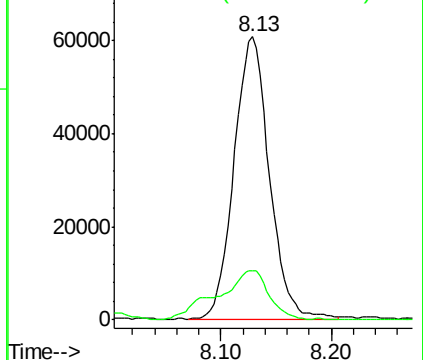
43 100

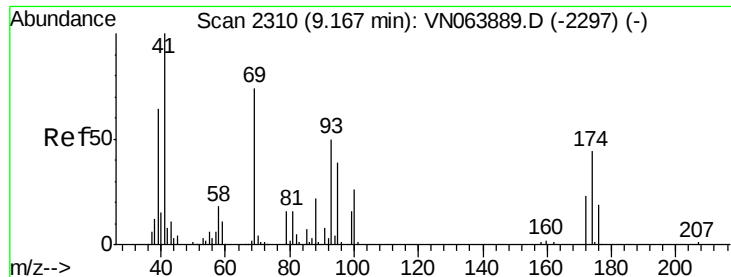
61 15.8 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





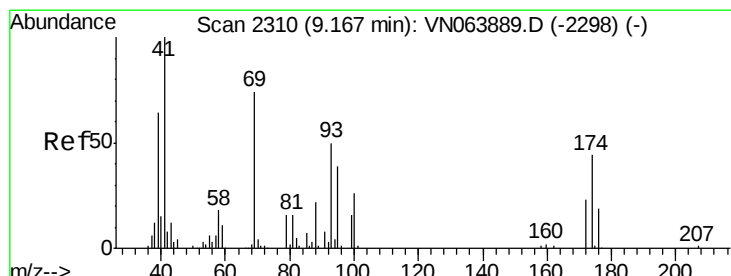
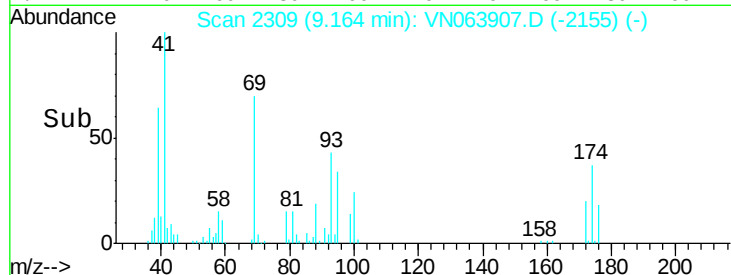
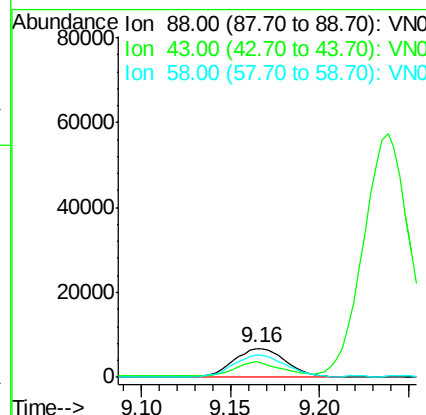
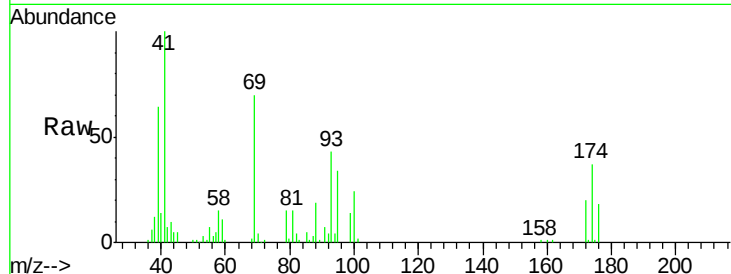
#45
1,4-Dioxane
Concen: 270.740 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	28.5	42.7
58	77.1	59.6	89.4

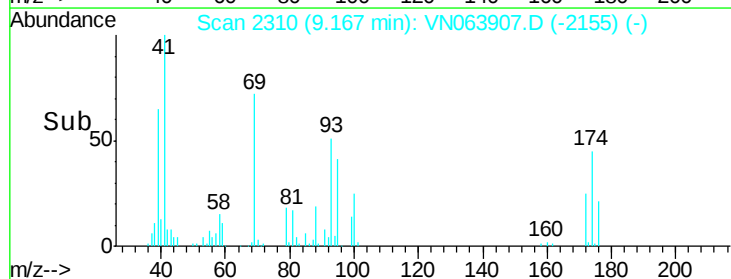
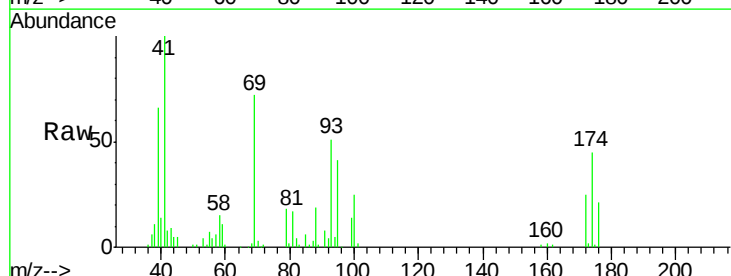
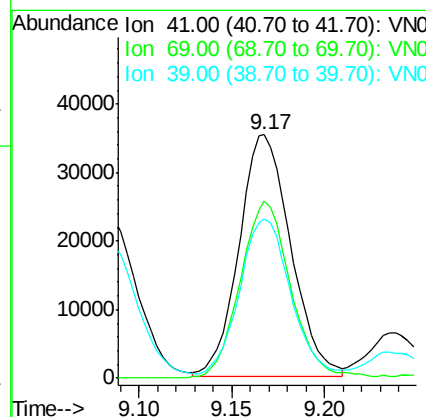
Manual Integrations
APPROVED

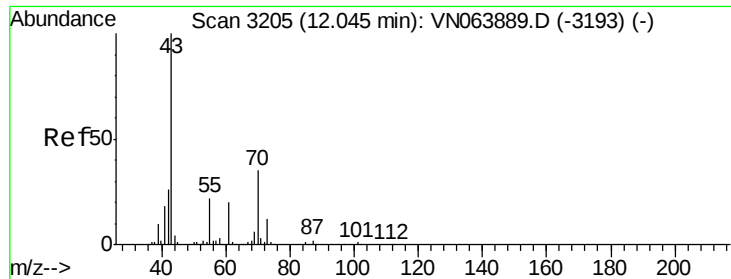
MMDadoda
10/7/2020 12:11:55 PM



#46
Methyl methacrylate
Concen: 17.078 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.5	42.6	128.0
39	65.2	25.1	75.4





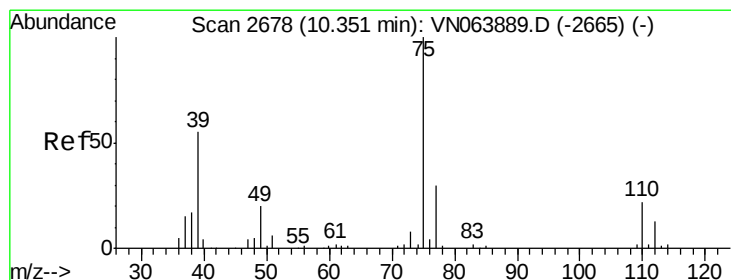
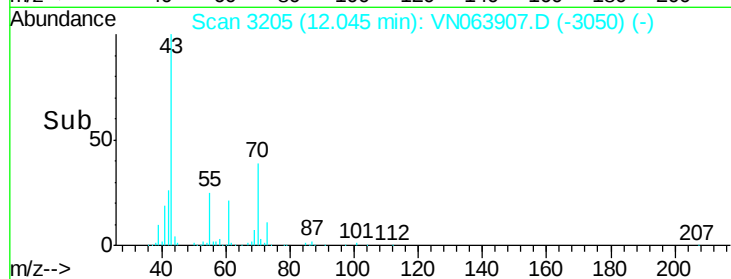
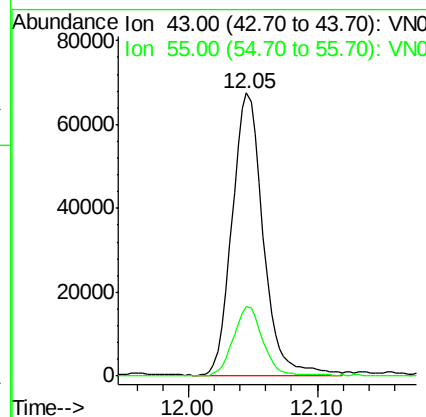
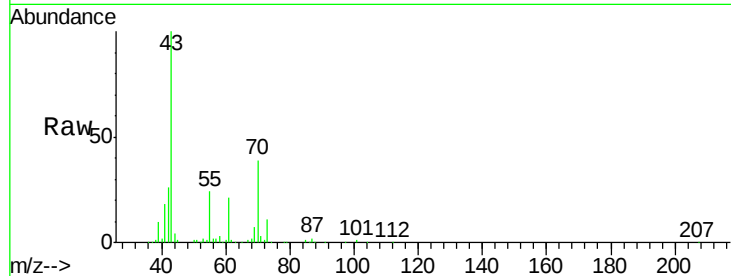
#47
n-amvl Acetate
Concen: 15.670 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion: 43 Resp: 112479
Ion Ratio Lower Upper
43 100
55 23.3 21.2 31.8

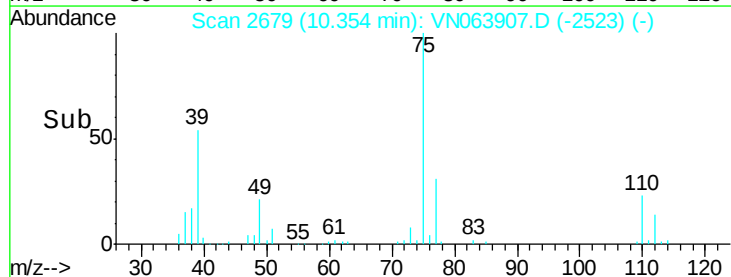
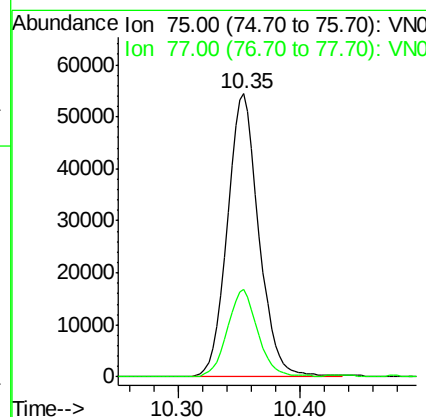
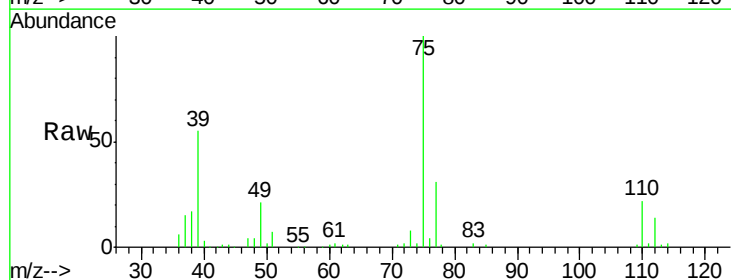
Manual Integrations
APPROVED

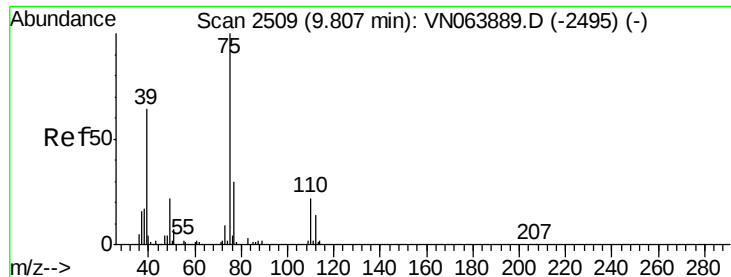
MMDadoda
10/7/2020 12:11:55 PM



#48
t-1,3-Dichloropropene
Concen: 17.498 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion: 75 Resp: 98346
Ion Ratio Lower Upper
75 100
77 30.8 23.8 35.8





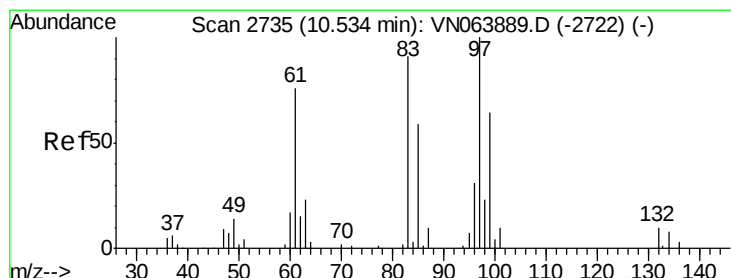
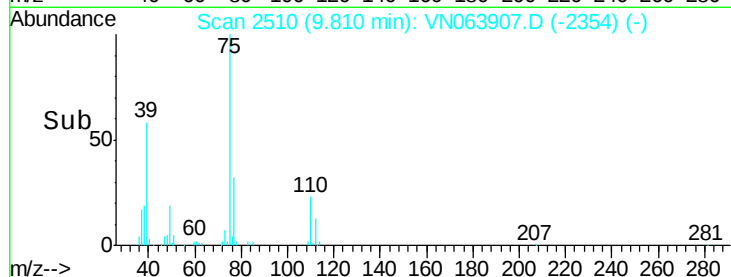
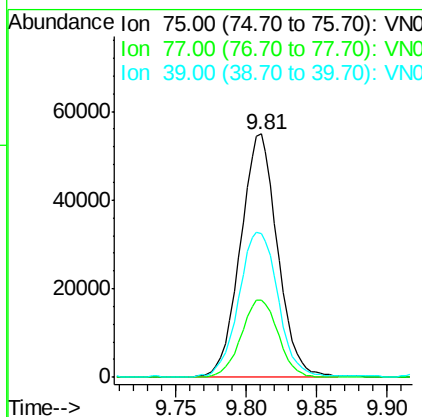
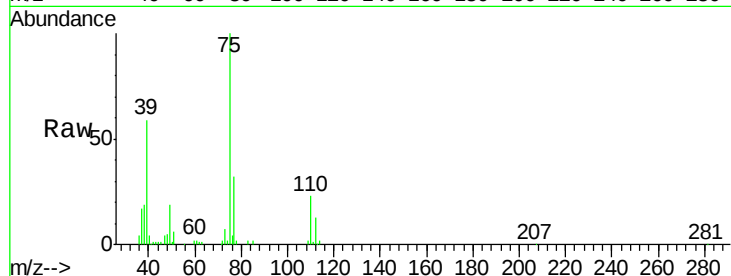
#49
 cis-1,3-Dichloropropene
 Concen: 17.401 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	58.5	34.5	51.7#

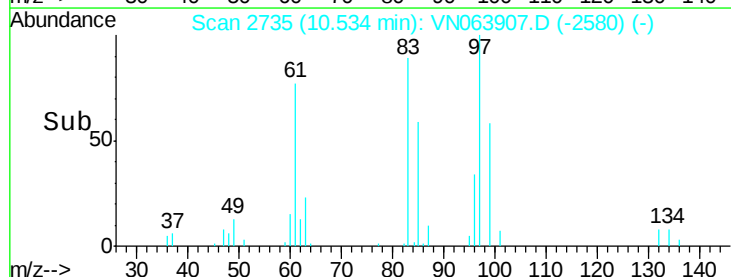
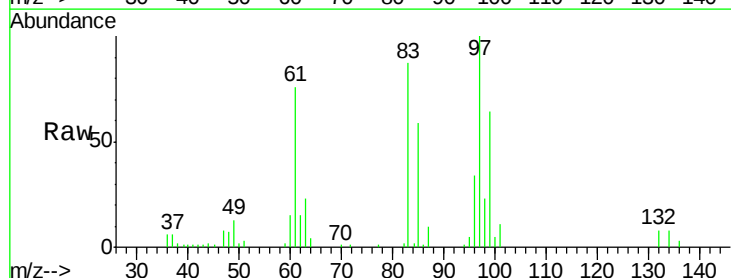
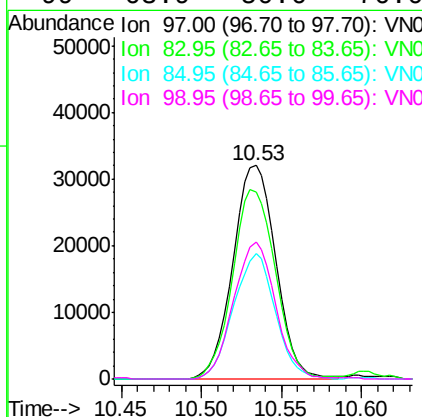
Manual Integrations
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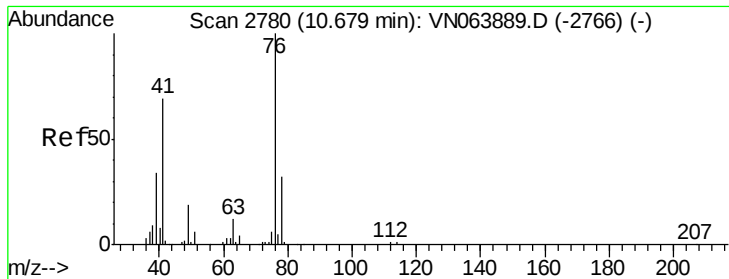
MMDadoda
 10/7/2020 12:11:55 PM



#50
 1,1,2-Trichloroethane
 Concen: 17.560 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.9	104.9
85	58.5	44.0	66.0
99	63.9	50.6	76.0





#52

1,3-Dichloropropane

Concen: 17.588 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 76 Resp: 100671

Ion Ratio Lower Upper

76 100

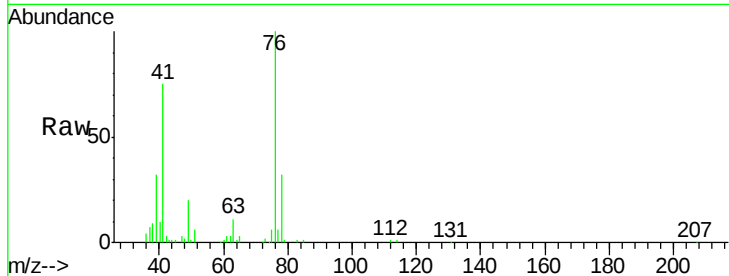
78 32.2 0.0 63.2

Manual Integrations

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MMDadoda

10/7/2020 12:11:55 PM



Abundance Ion 76.00 (75.70 to 76.70): VN063889.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN063889.D (-2766) (-)

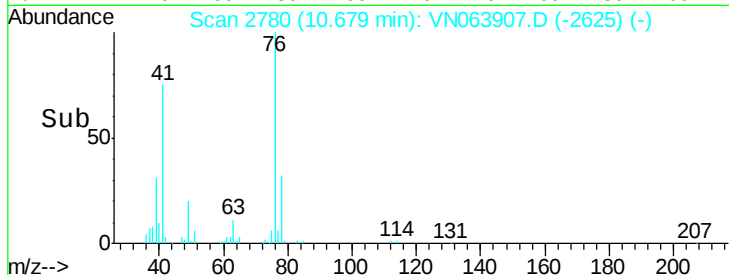
60000

40000

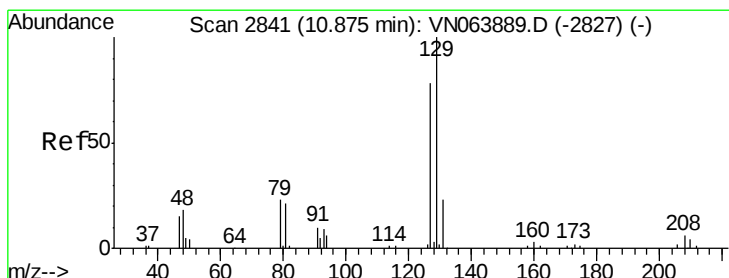
20000

0

10.60 10.65 10.70 10.75



Time-->



#53

Dibromochloromethane

Concen: 17.622 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063907.D

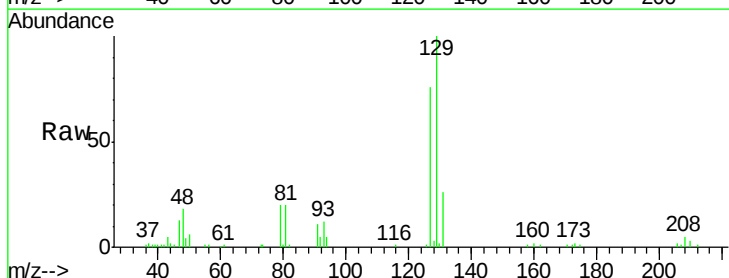
Acq: 6 Oct 2020 20:43

Tgt Ion: 129 Resp: 67772

Ion Ratio Lower Upper

129 100

127 77.6 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): VN063889.D (-2827) (-)

Ion 127.00 (126.70 to 127.70): VN063889.D (-2827) (-)

40000

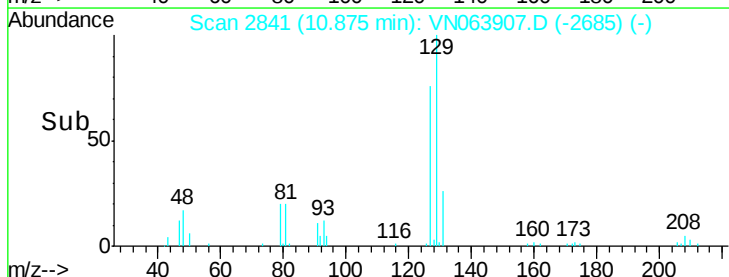
30000

20000

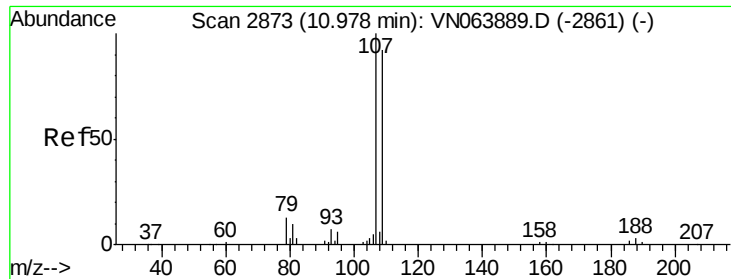
10000

0

10.80 10.85 10.90



Time-->



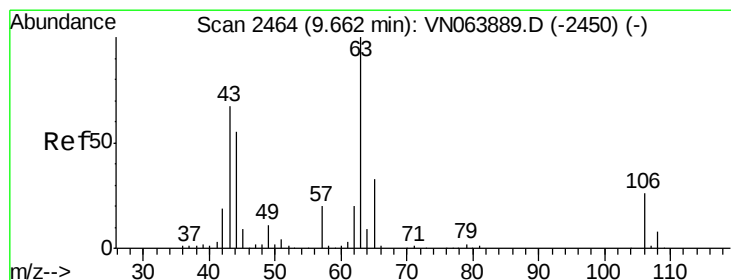
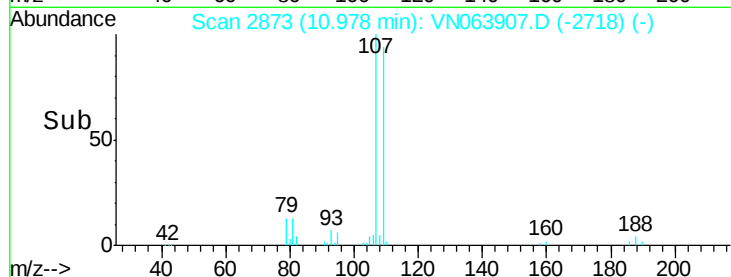
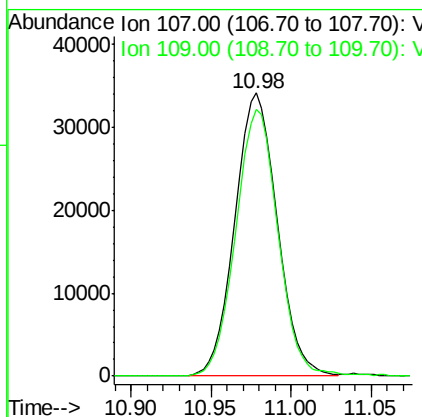
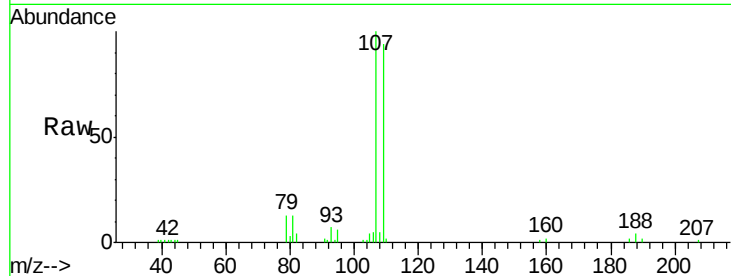
#54
 1,2-Dibromoethane
 Concen: 17.637 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.3	114.5

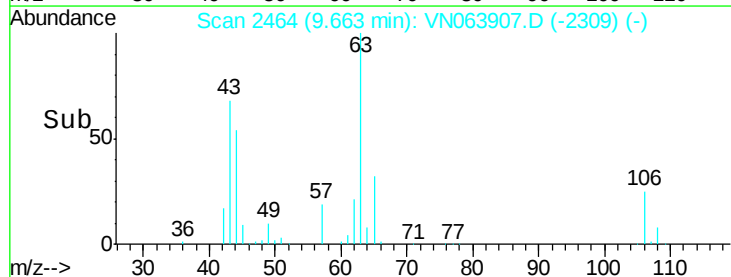
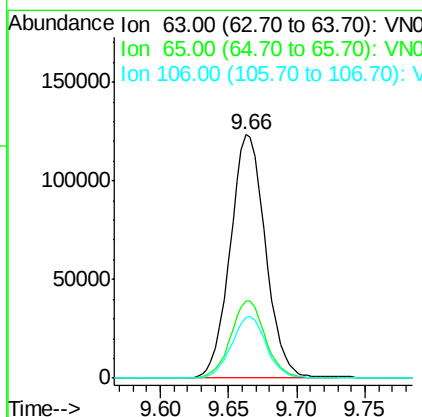
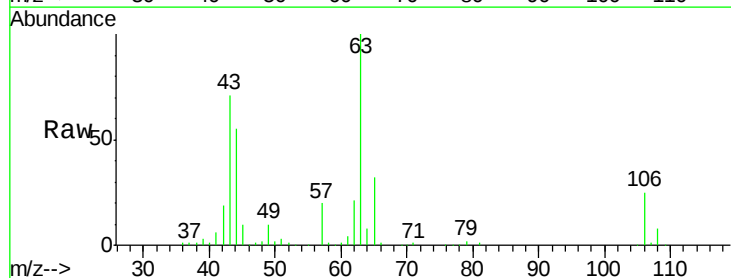
Manual Integrations
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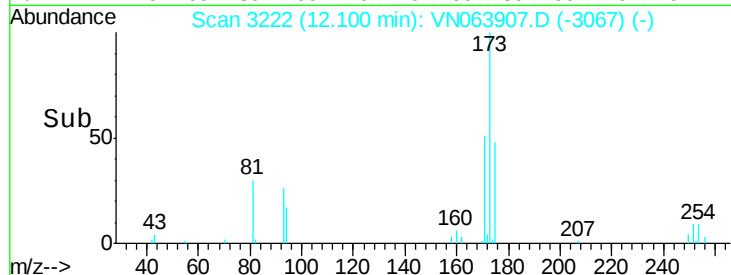
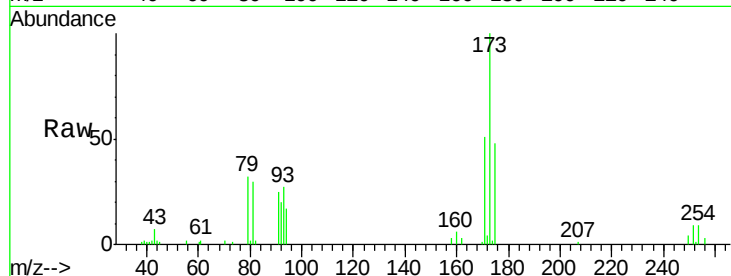
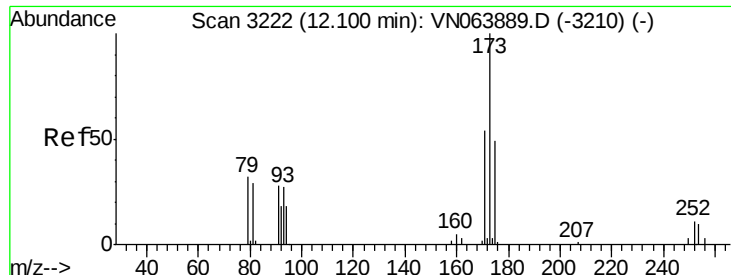
MMDadoda
 10/7/2020 12:11:55 PM



#55
 2-Chloroethyl vinyl ether
 Concen: 85.700 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.9	38.9
106	25.0	19.9	29.9





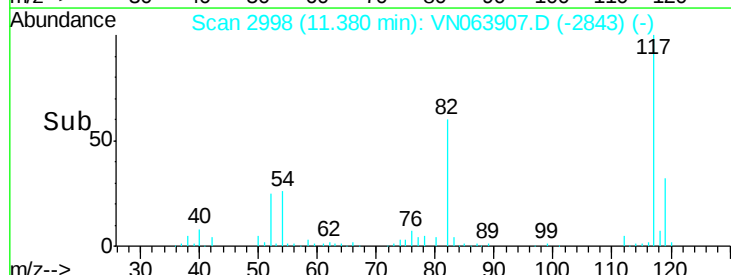
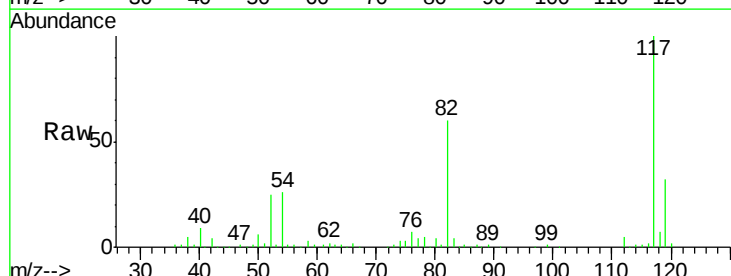
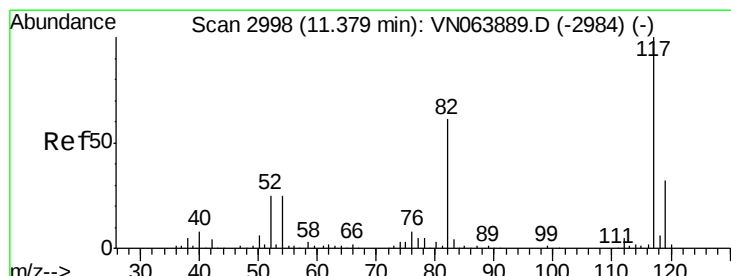
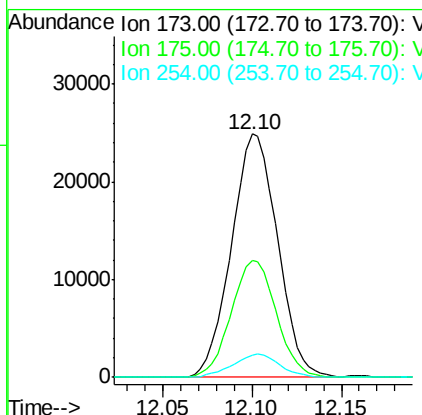
#56
Bromoform
Concen: 16.833 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	41.2	61.8
254	9.5	9.0	13.4

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

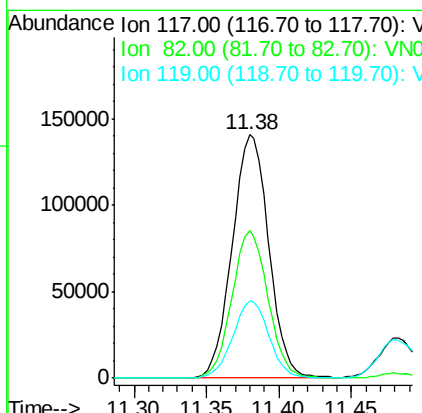
Manual Integrations
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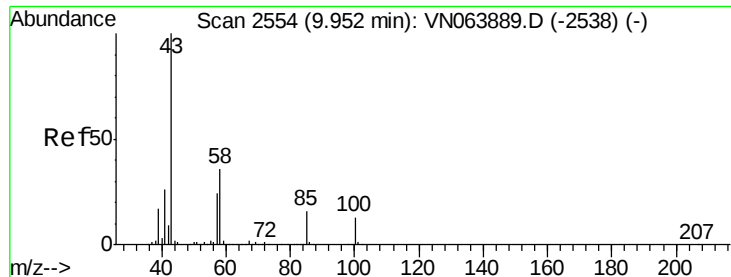
MMDadoda
10/7/2020 12:11:55 PM



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	44.9	67.3
119	31.3	26.0	39.0





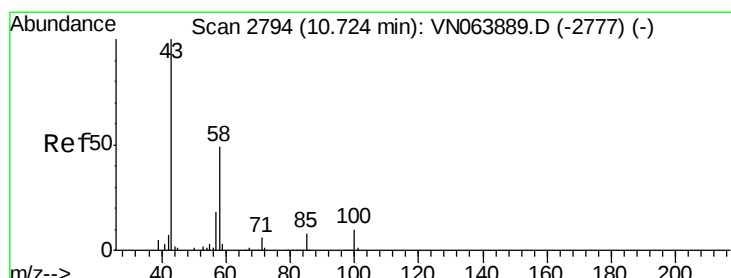
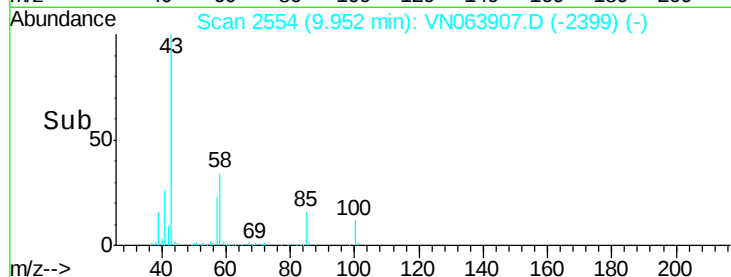
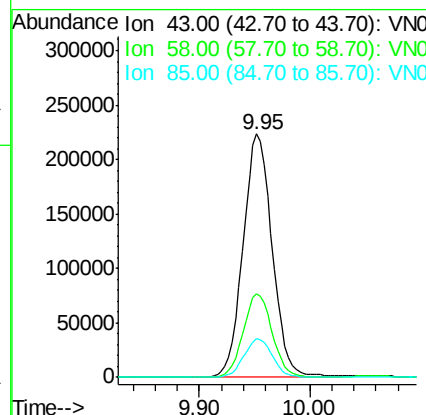
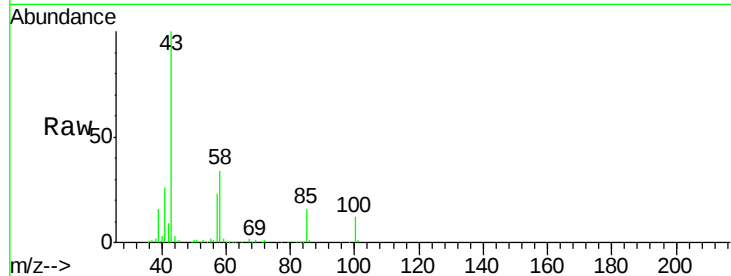
#58
4-Methyl-2-Pentanone
Concen: 85.036 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	43	Resp	406396
Ion Ratio	Lower	Upper	
43	100		
58	34.3	31.4	47.0
85	15.6	13.4	20.2

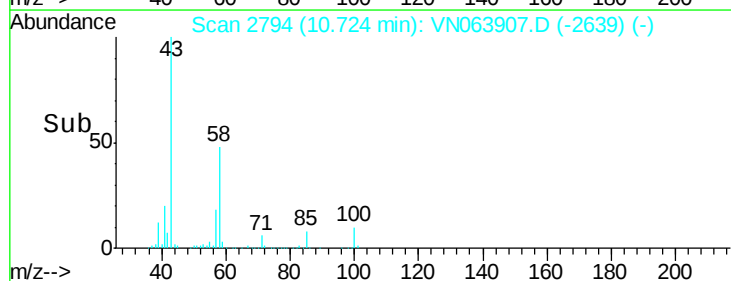
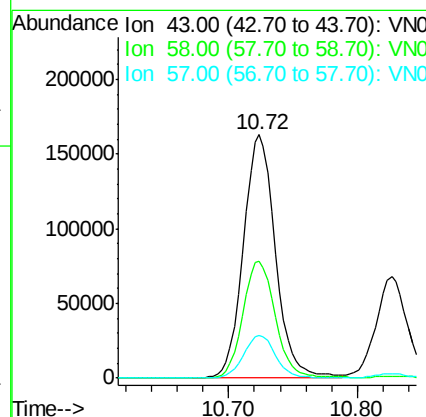
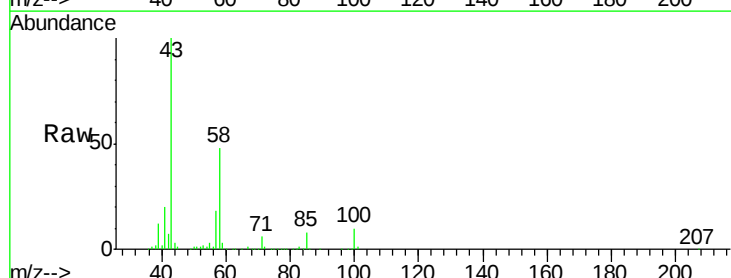
Manual Integrations
APPROVED

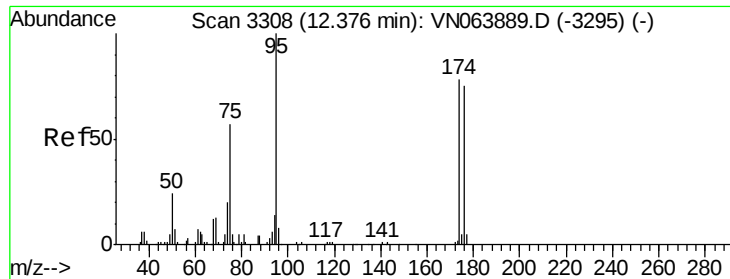
MMDadoda
10/7/2020 12:11:55 PM



#59
2-Hexanone
Concen: 78.957 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	43	Resp	281062
Ion Ratio	Lower	Upper	
43	100		
58	48.7	42.6	64.0
57	17.6	14.6	21.8





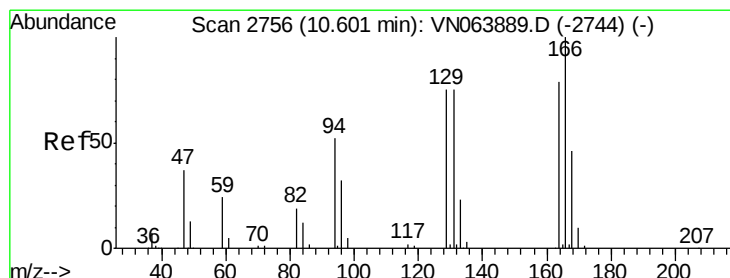
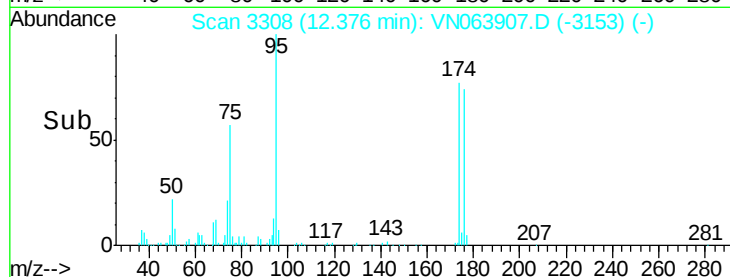
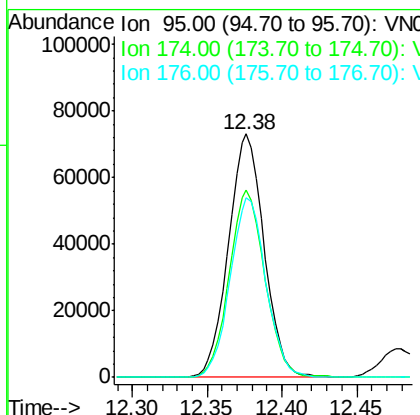
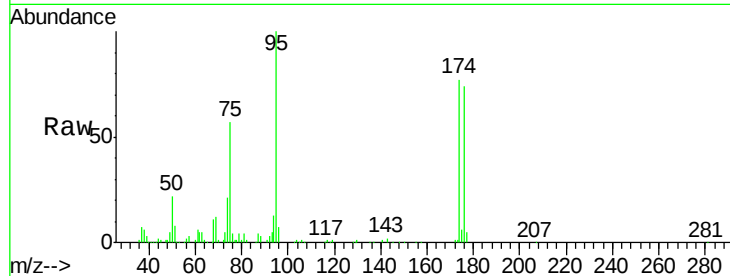
#60
4-Bromofluorobenzene
Concen: 28.849 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	70.1	105.1
176	74.1	66.8	100.2

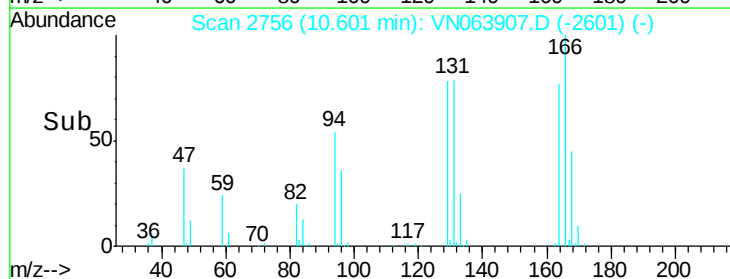
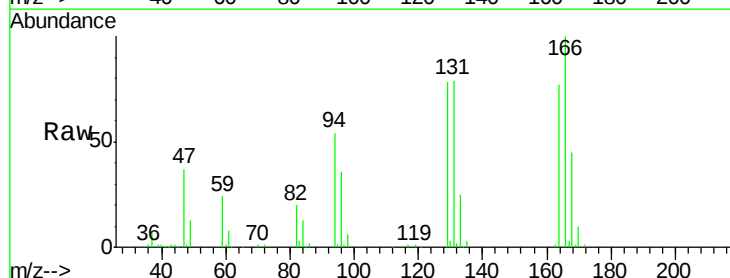
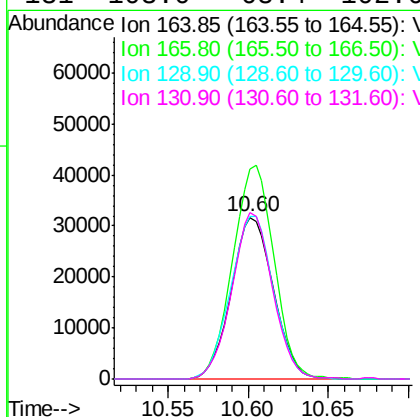
Manual Integrations
APPROVED

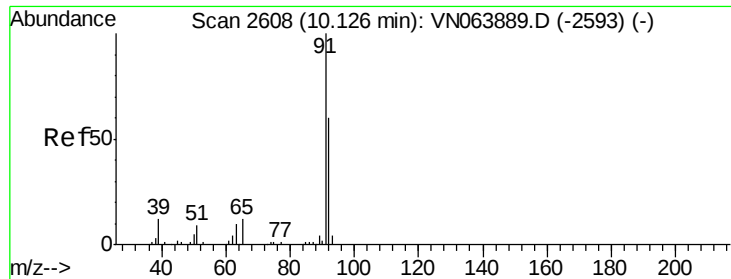
MMDadoda
10/7/2020 12:11:55 PM



#61
Tetrachloroethene
Concen: 18.188 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.1	150.1
129	101.1	72.5	108.7
131	103.0	68.4	102.6





#62

Toluene

Concen: 18.637 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 91 Resp: 263586

Ion Ratio Lower Upper

91 100

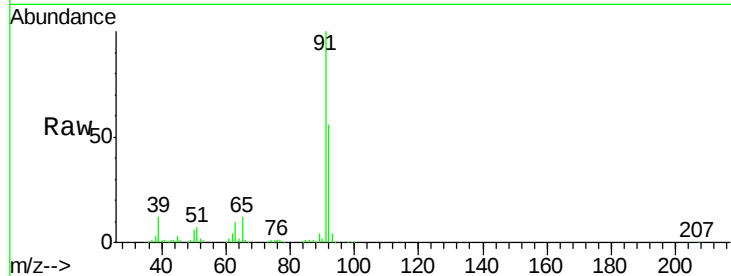
92 56.7 45.5 68.3

Manual Integrations

APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

150000

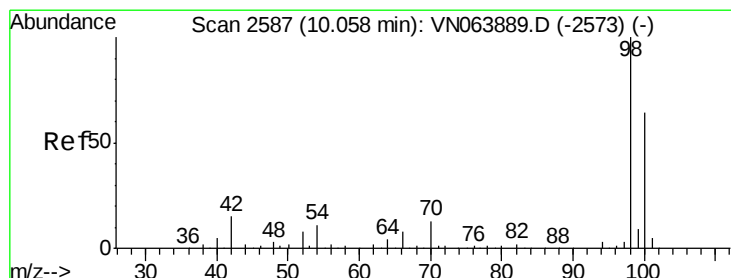
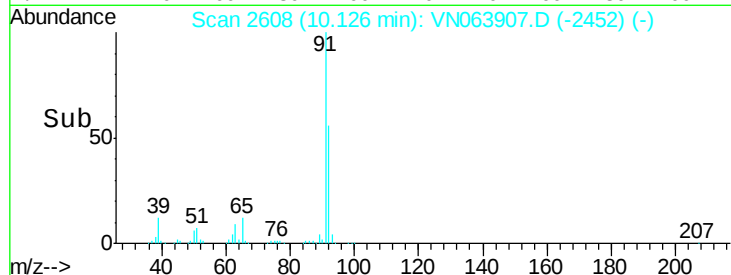
100000

50000

0

10.05 10.10 10.15 10.20

Time-->



#63

Toluene-d8

Concen: 30.190 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063907.D

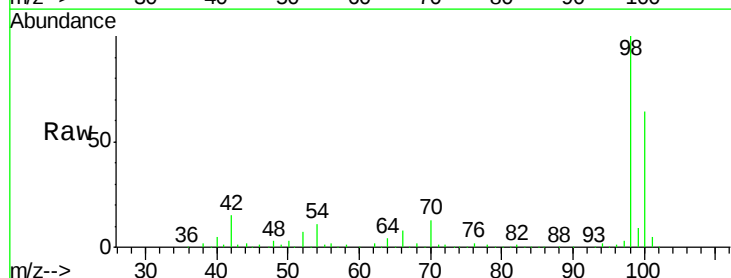
Acq: 6 Oct 2020 20:43

Tgt Ion: 98 Resp: 336916

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

200000

150000

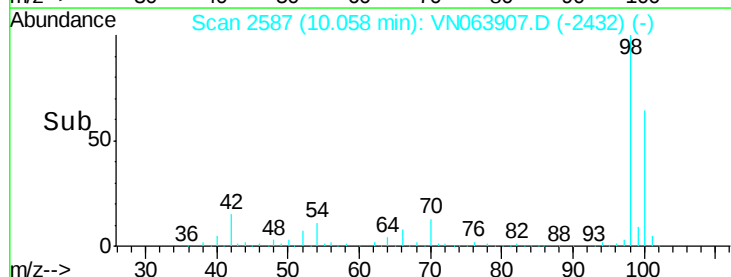
100000

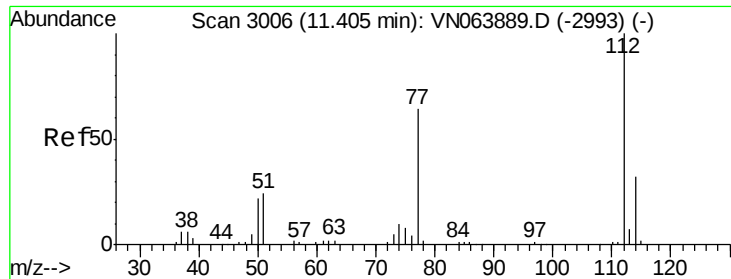
50000

0

10.00 10.05 10.10

Time-->





#64

Chlorobenzene

Concen: 18.362 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampled :

VN1006WBSD03

Tot Ion:112 Resp: 157399

Ion Ratio Lower Upper

112 100

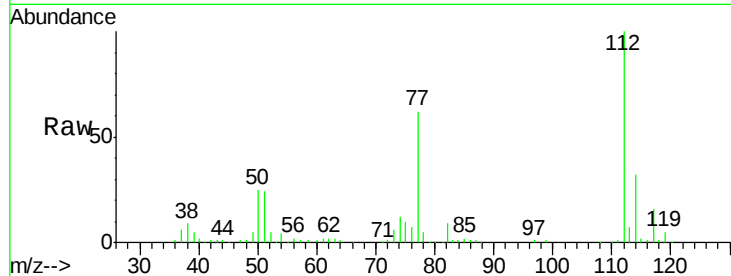
114 32.0 25.1 37.7

Manual Integrations

APPROVED

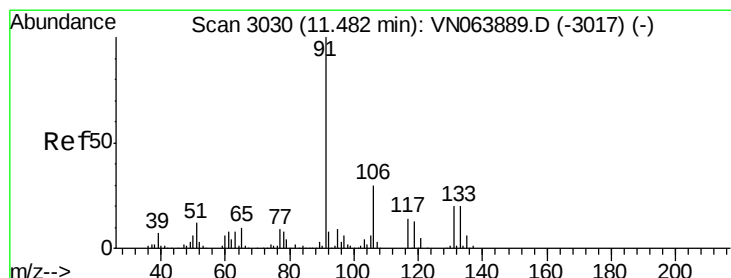
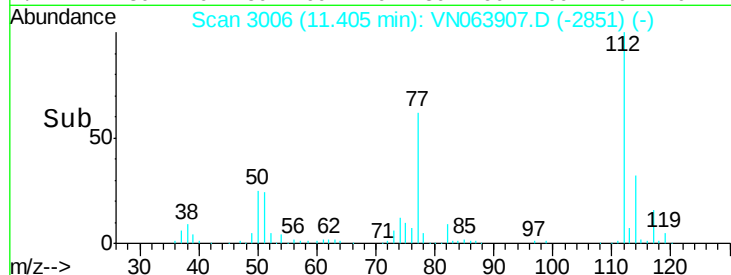
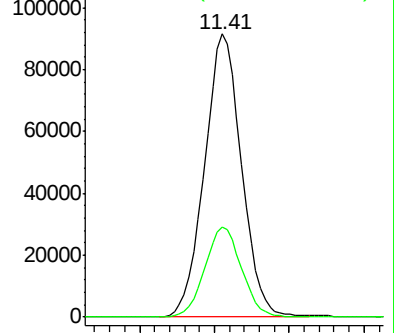
MMDadoda

10/7/2020 12:11:55 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 18.225 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

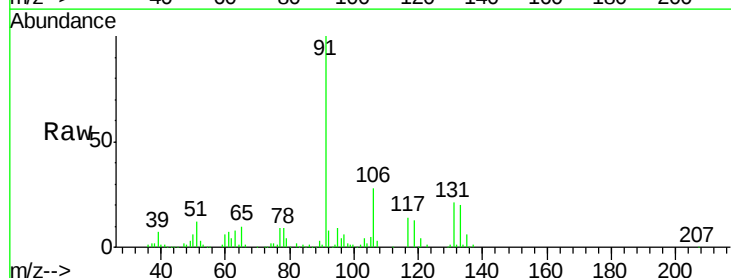
Tgt Ion:131 Resp: 61101

Ion Ratio Lower Upper

131 100

133 97.0 0.0 191.2

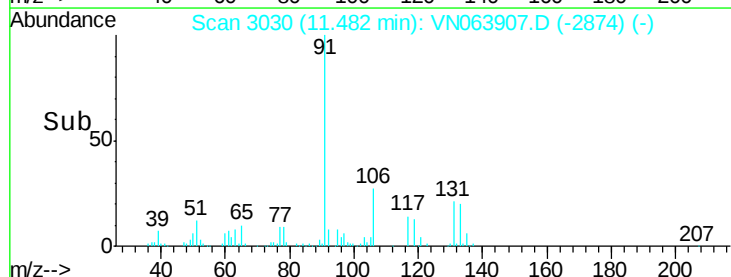
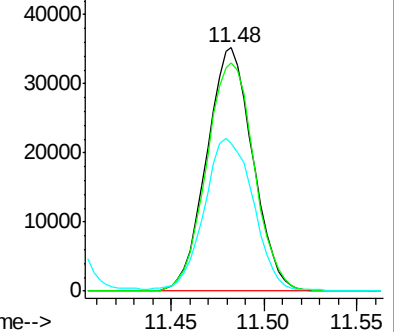
119 65.4 0.0 134.2

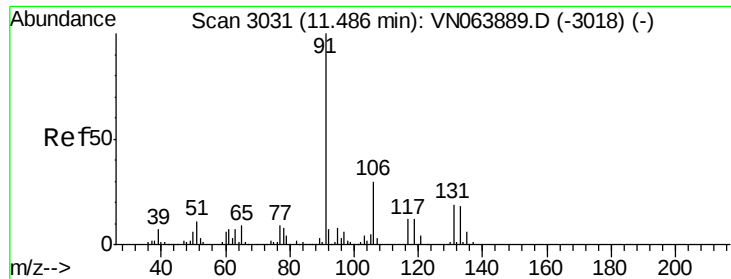


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





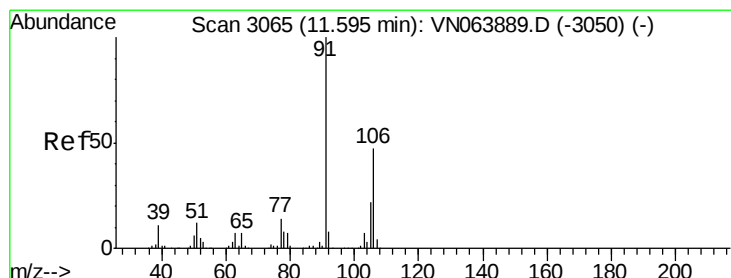
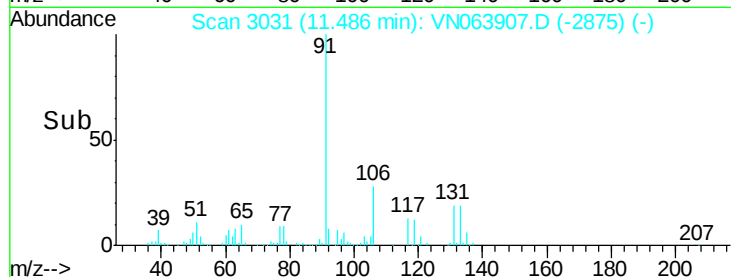
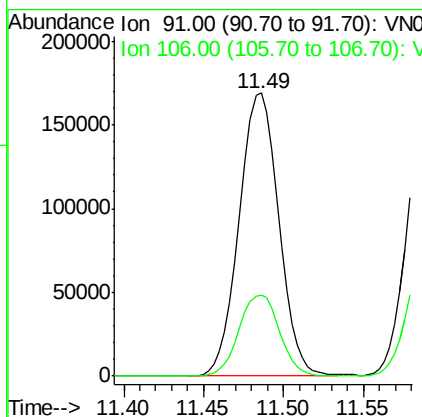
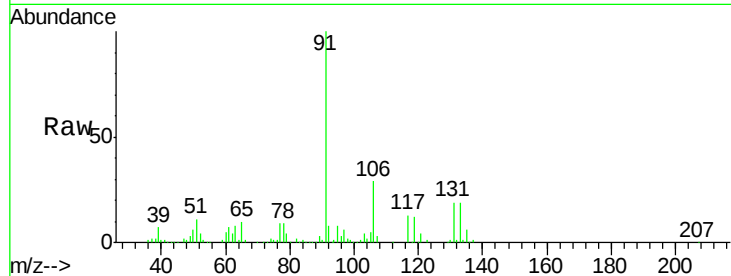
#66
Ethyl Benzene
Concen: 18.427 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion: 91 Resp: 286181
Ion Ratio Lower Upper
91 100
106 28.8 25.0 37.4

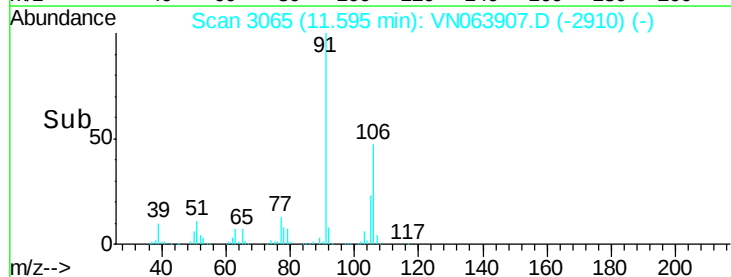
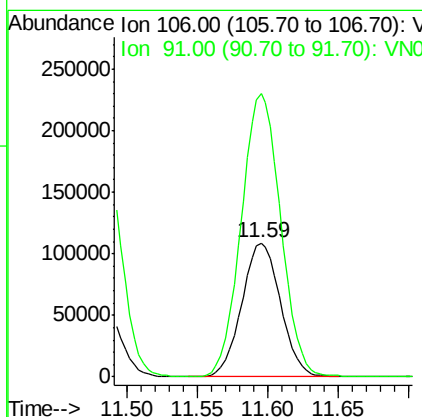
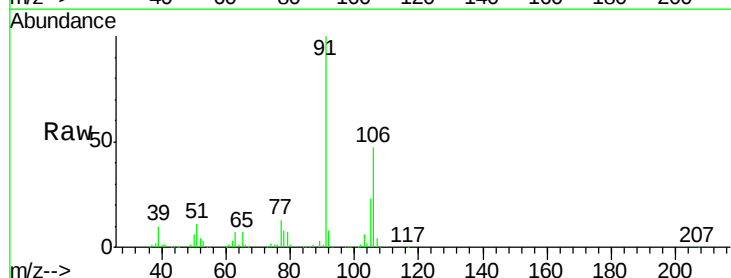
Manual Integrations
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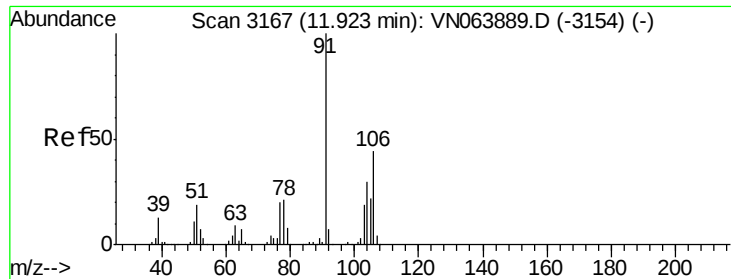
MMDadoda
10/7/2020 12:11:55 PM



#67
m/p-Xylenes
Concen: 36.383 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion: 106 Resp: 210127
Ion Ratio Lower Upper
106 100
91 212.8 164.9 247.3





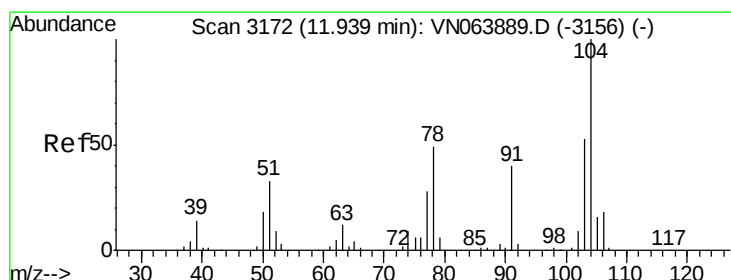
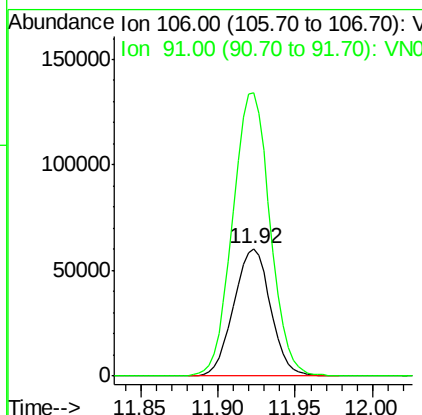
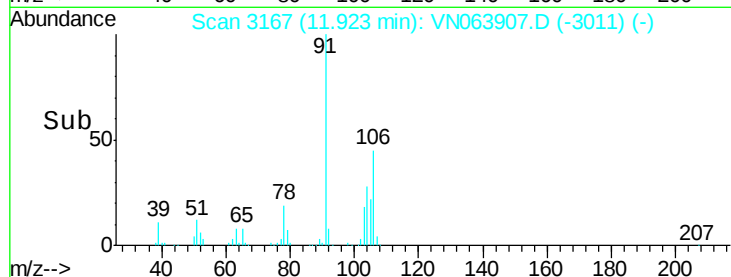
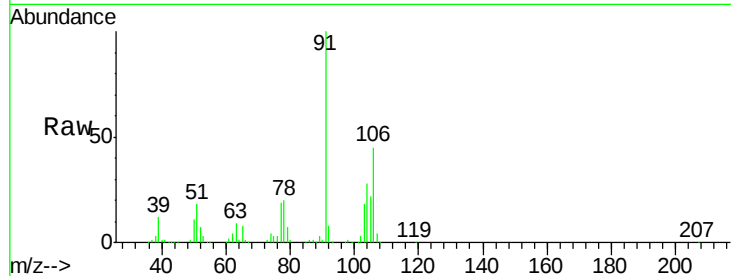
#68
o-Xylene
Concen: 18.218 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion:106 Resp: 100243
Ion Ratio Lower Upper
106 100
91 225.1 108.0 324.0

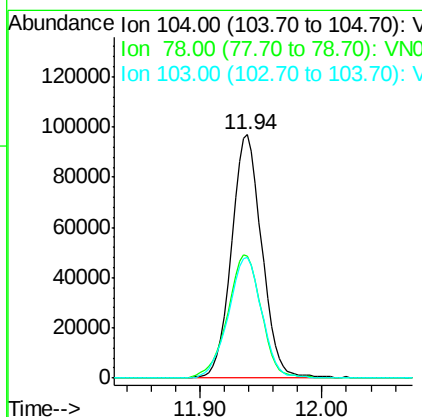
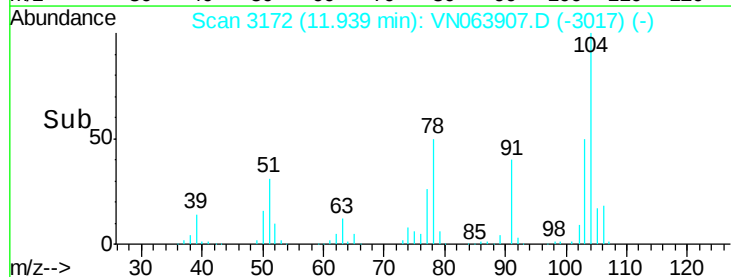
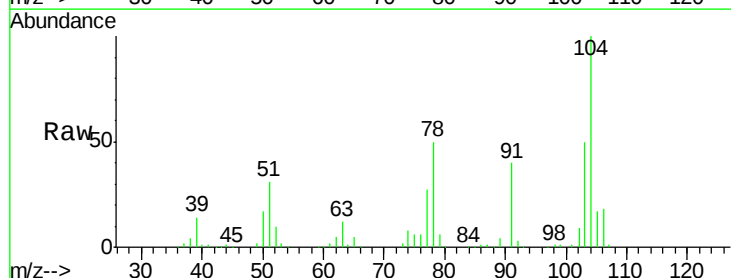
Manual Integrations
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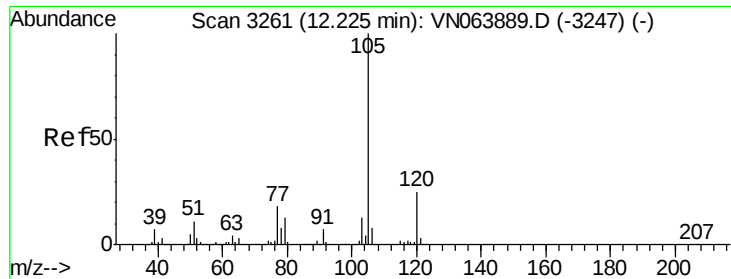
MMDadoda
10/7/2020 12:11:55 PM



#69
Styrene
Concen: 17.886 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion:104 Resp: 167926
Ion Ratio Lower Upper
104 100
78 56.3 39.6 59.4
103 54.6 44.4 66.6





#70

Isopropylbenzene

Concen: 18.191 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion:105 Resp: 265977

Ion Ratio Lower Upper

105 100

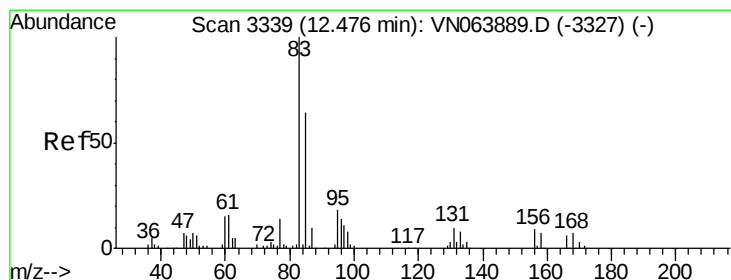
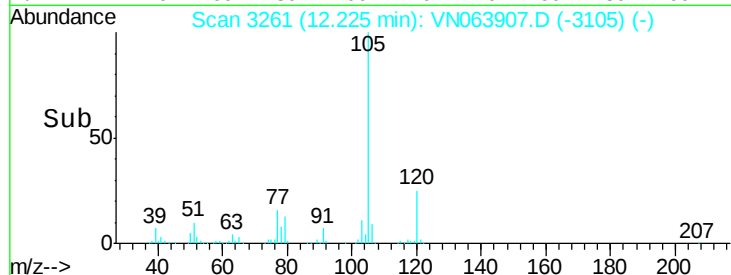
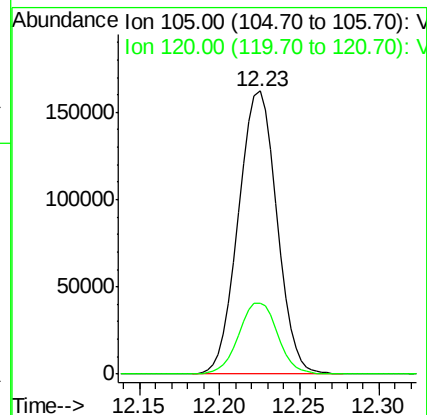
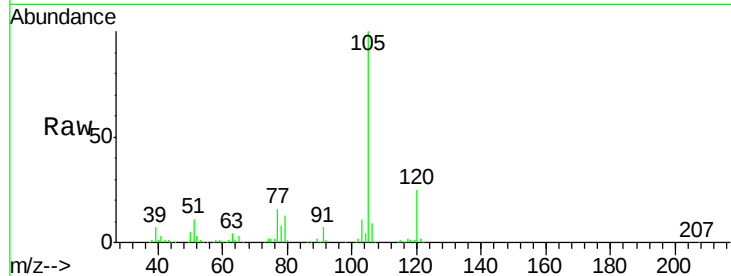
120 25.4 18.5 34.3

Manual Integrations

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#71

1,1,2,2-Tetrachloroethane

Concen: 17.515 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

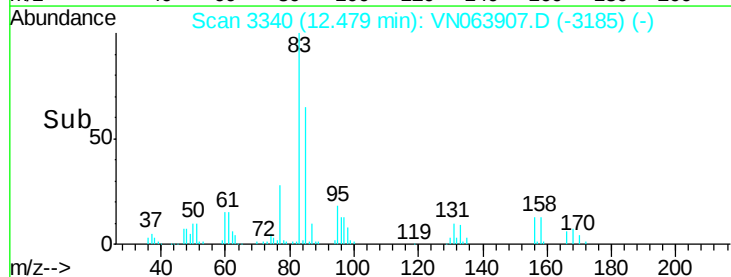
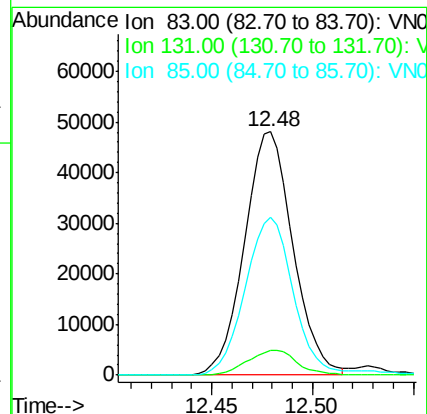
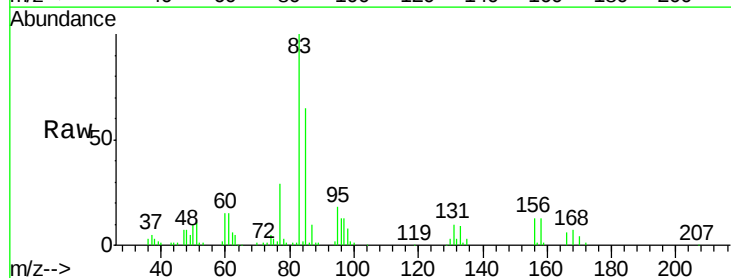
Tgt Ion: 83 Resp: 80948

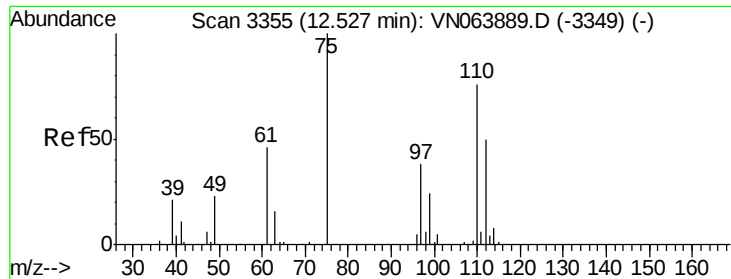
Ion Ratio Lower Upper

83 100

131 10.5 4.5 13.7

85 64.0 31.8 95.3





#72

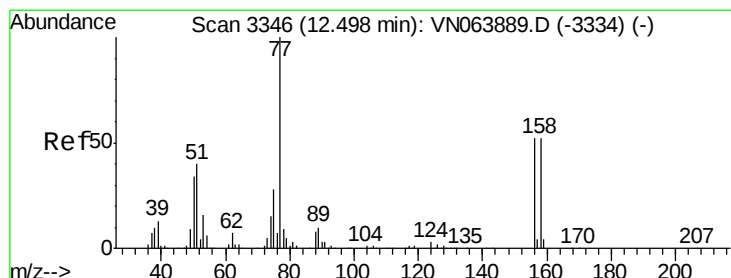
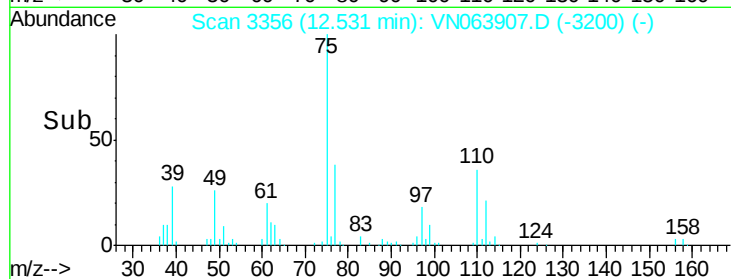
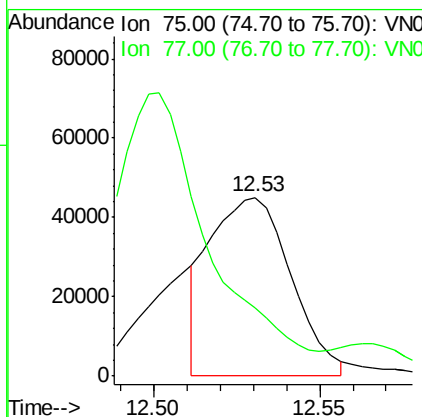
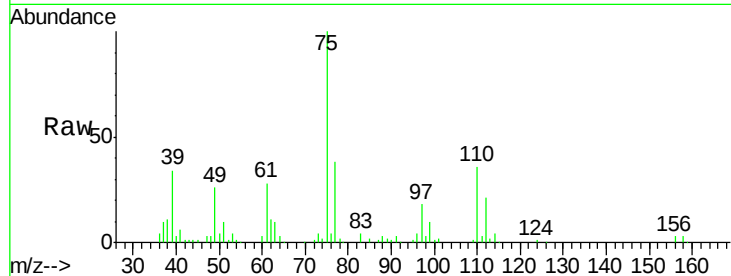
1,2,3-Trichloropropane
Concen: 16.196 ug/l m
RT: 12.53 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion: 75 Resp: 76327
Ion Ratio Lower Upper
75 100
77 193.7 0.0 387.8

Manual Integrations
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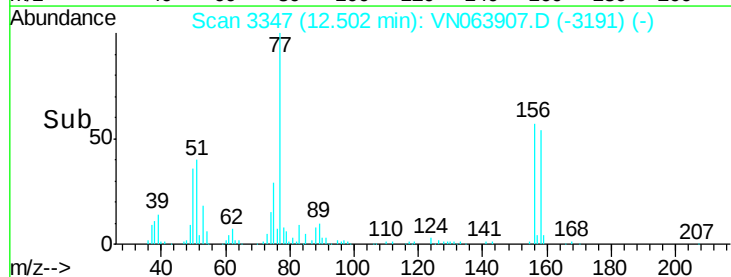
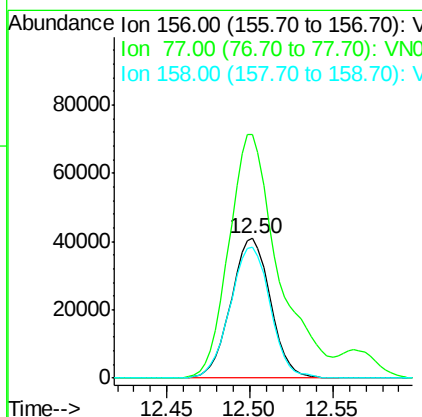
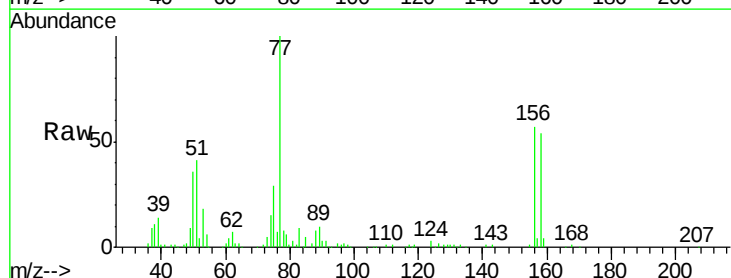
MMDadoda
10/7/2020 12:11:55 PM

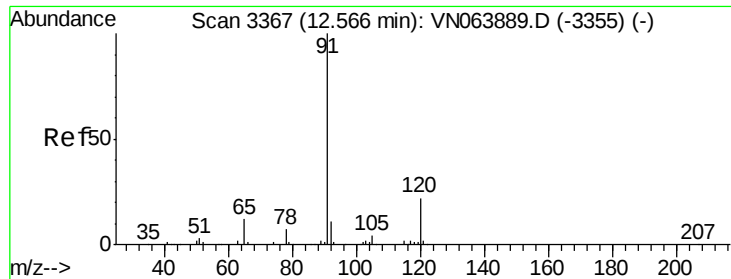


#73

Bromobenzene
Concen: 18.388 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion: 156 Resp: 68145
Ion Ratio Lower Upper
156 100
77 216.9 0.0 398.6
158 95.1 0.0 195.4





#74

n-propylbenzene

Concen: 17.817 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 91 Resp: 304539

Ion Ratio Lower Upper

91 100

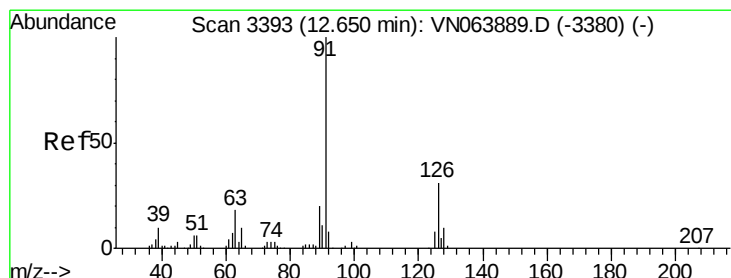
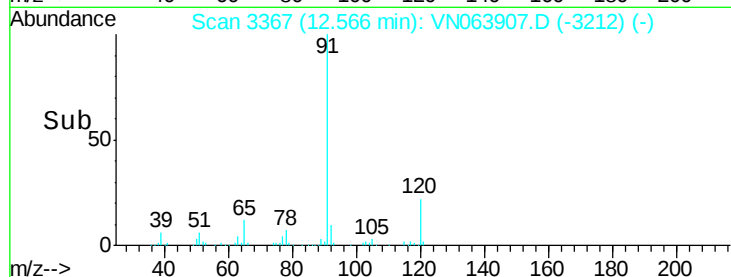
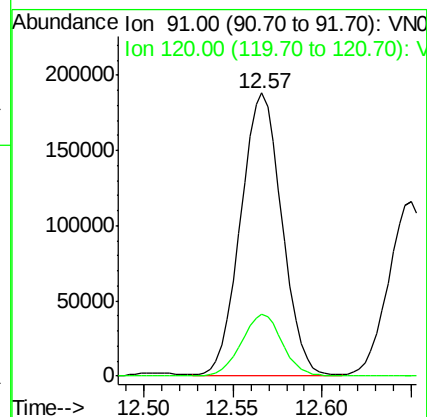
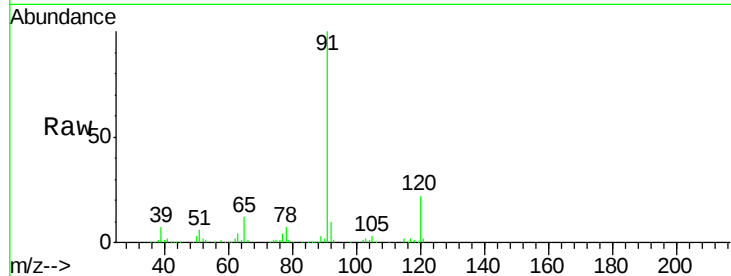
120 21.5 0.0 44.0

Manual Integrations

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10/7/2020 12:11:55 PM



#75

2-Chlorotoluene

Concen: 18.475 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063907.D

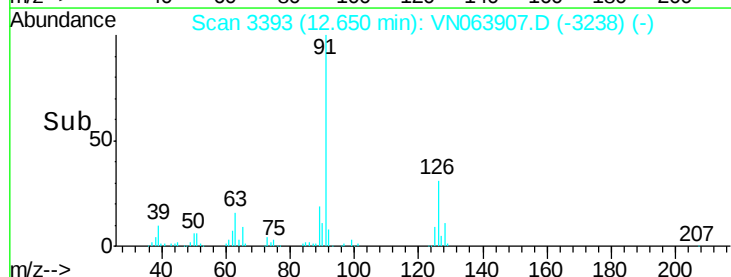
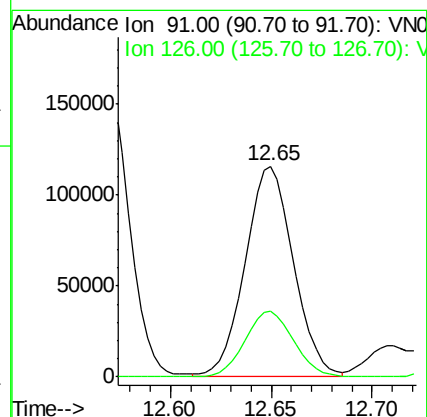
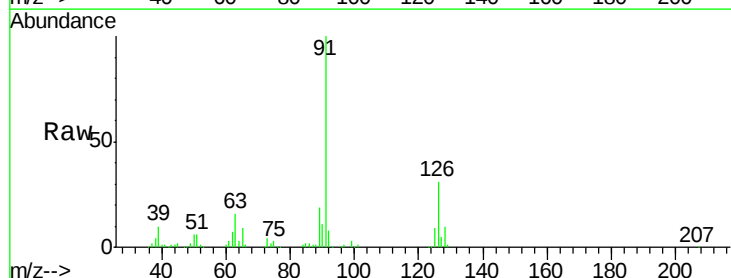
Acq: 6 Oct 2020 20:43

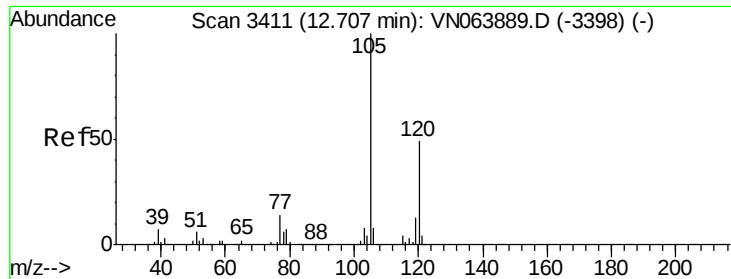
Tgt Ion: 91 Resp: 192620

Ion Ratio Lower Upper

91 100

126 31.6 0.0 68.0





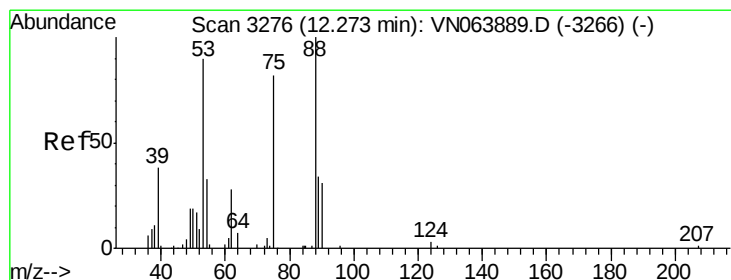
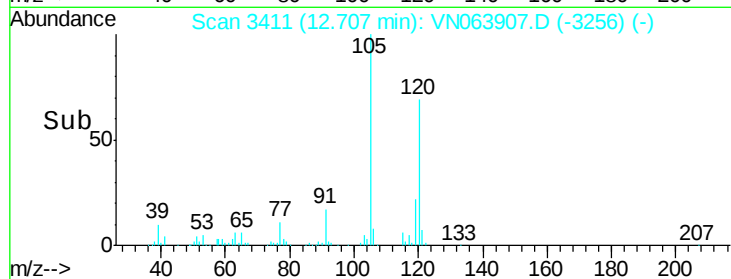
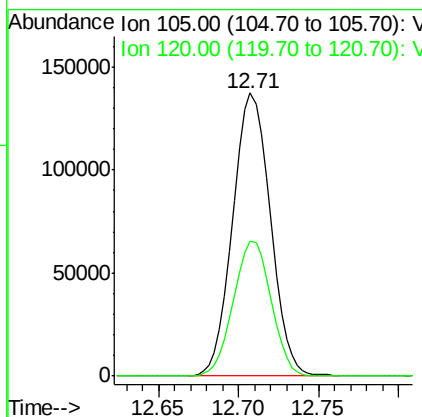
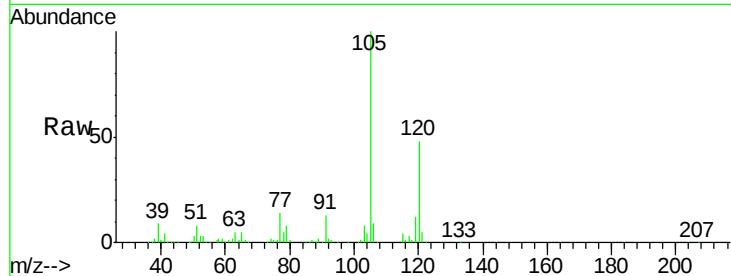
#76
 1,3,5-Trimethylbenzene
 Concen: 17.891 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	220595		
120	47.7	0.0	95.0	

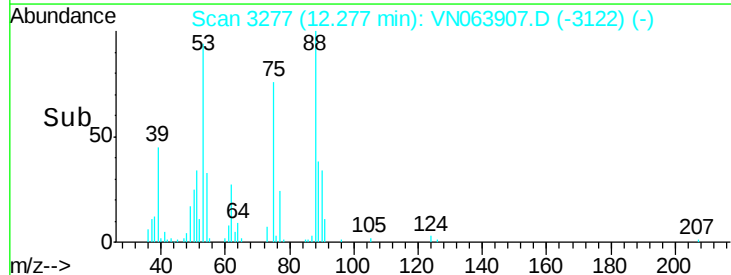
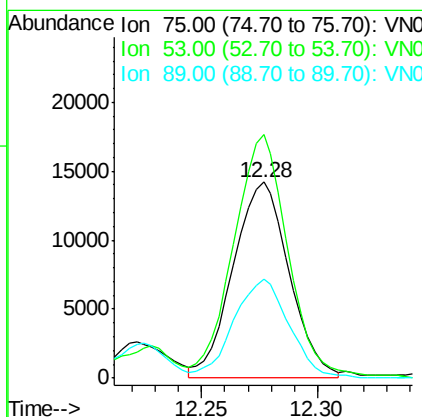
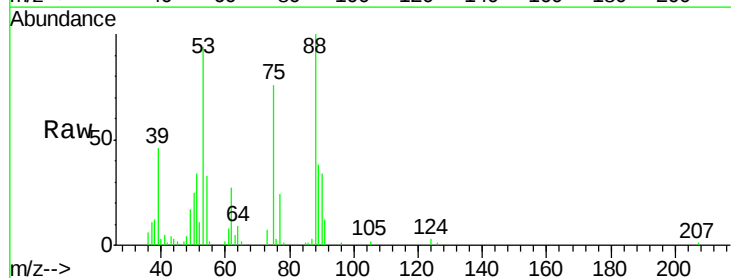
Manual Integrations
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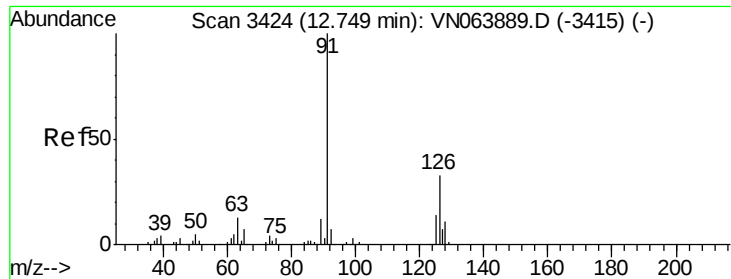
MMDadoda
 10/7/2020 12:11:55 PM



#77
 t-1,4-Dichloro-2-butene
 Concen: 14.292 ug/l
 RT: 12.28 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23957		
53	123.7	47.0	141.0	
89	50.1	22.9	68.7	





#78

4-Chlorotoluene

Concen: 17.777 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion: 91 Resp: 196266

Ion Ratio Lower Upper

91 100

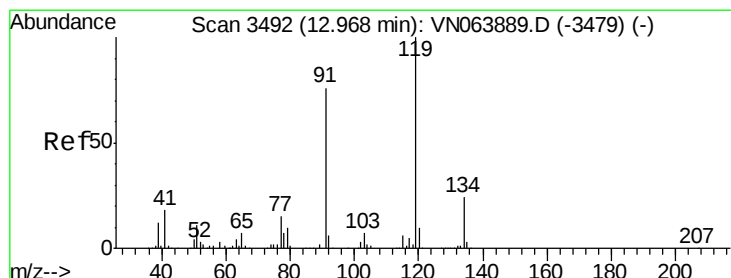
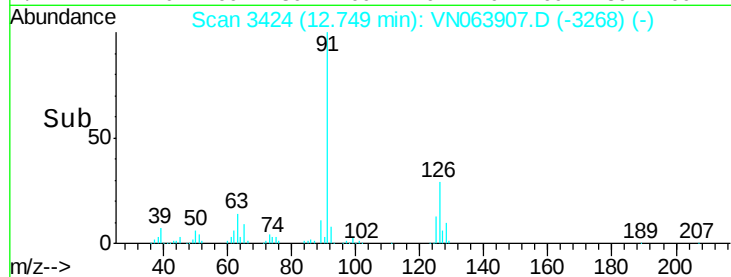
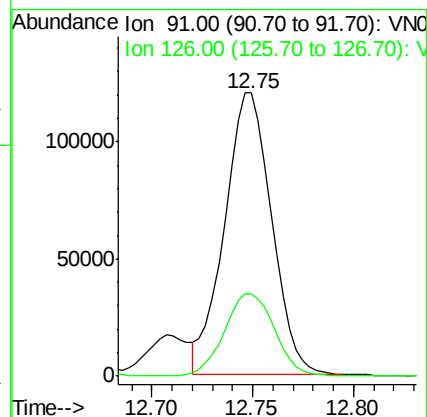
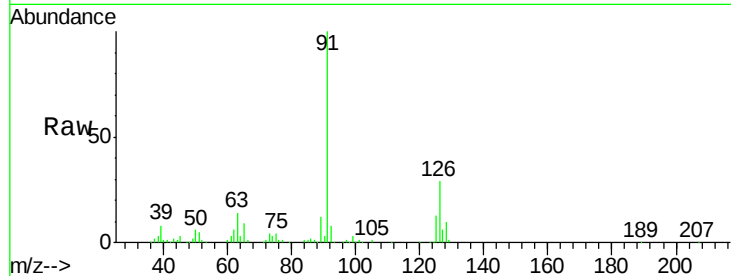
126 31.2 0.0 65.0

Manual Integrations

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#79

tert-butylbenzene

Concen: 18.027 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

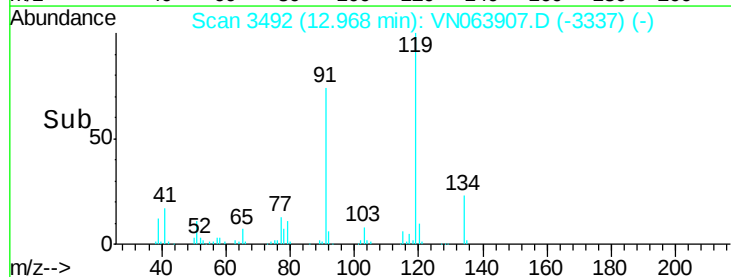
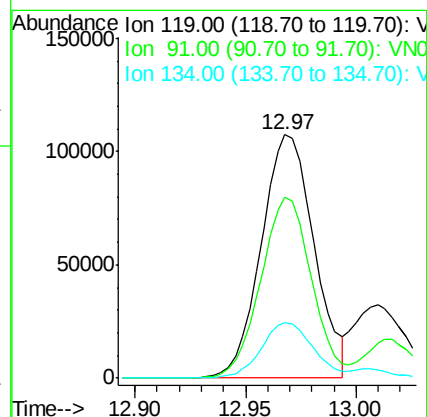
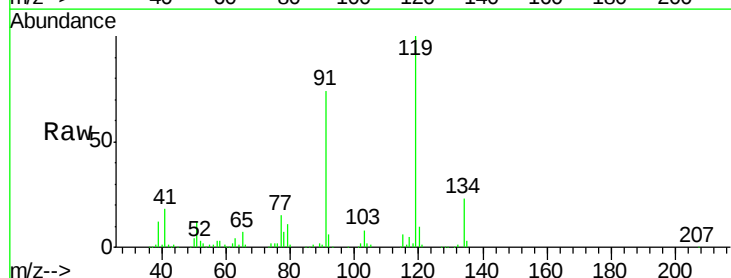
Tgt Ion: 119 Resp: 178069

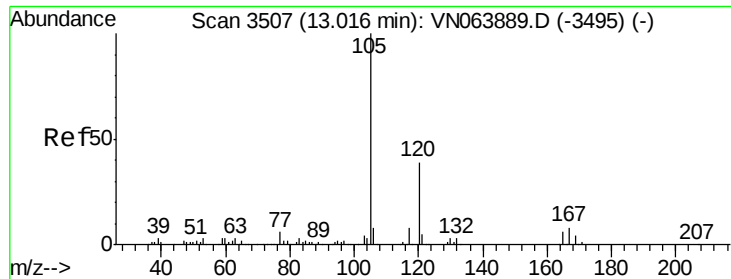
Ion Ratio Lower Upper

119 100

91 71.3 0.0 136.8

134 22.6 0.0 48.8





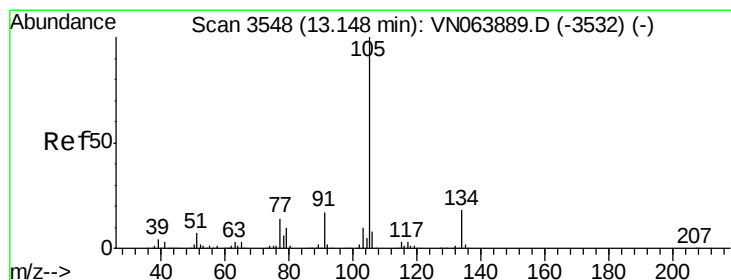
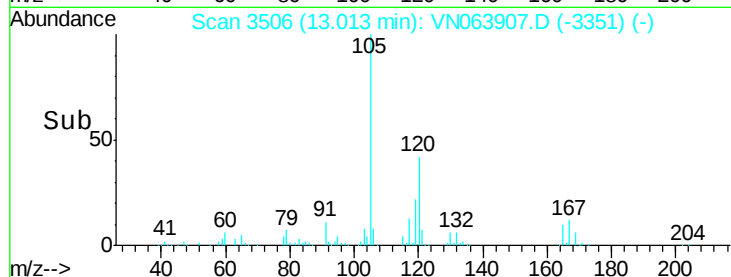
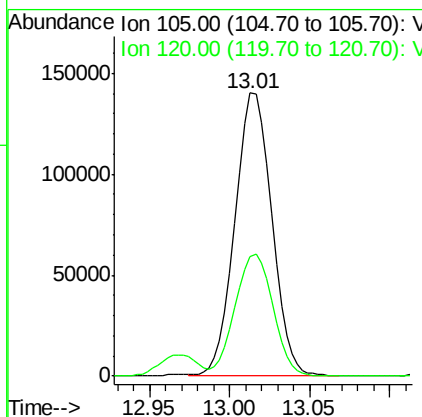
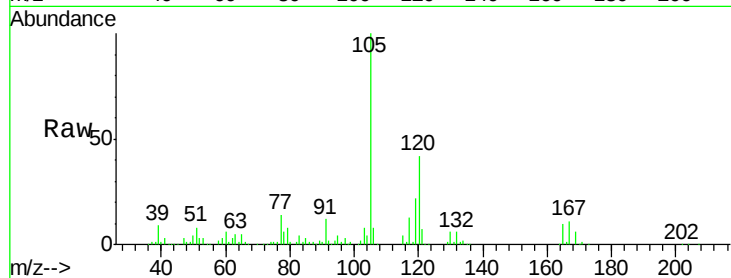
#80
1,2,4-Trimethylbenzene
Concen: 17.833 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBSD03

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	90.4

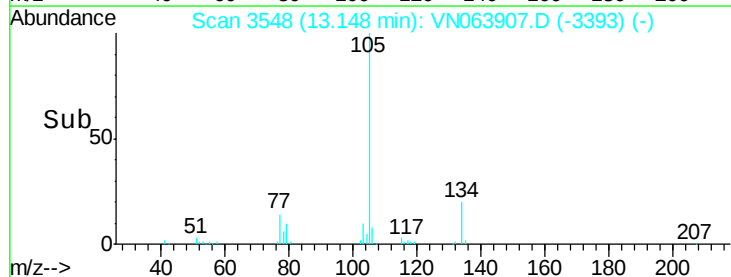
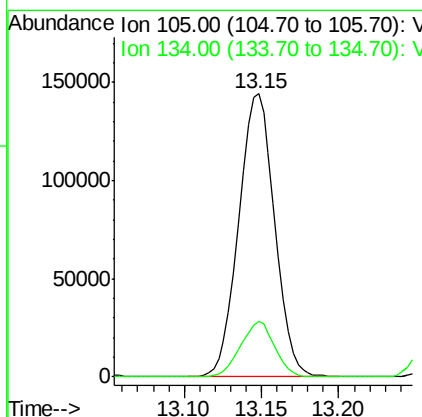
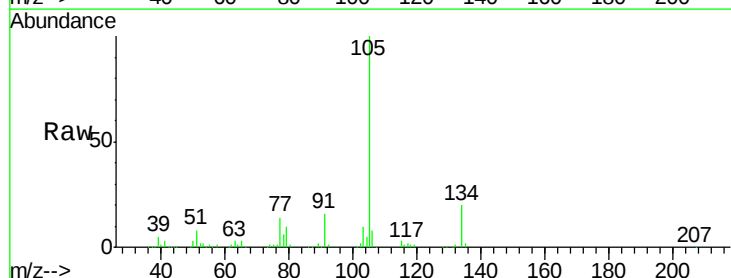
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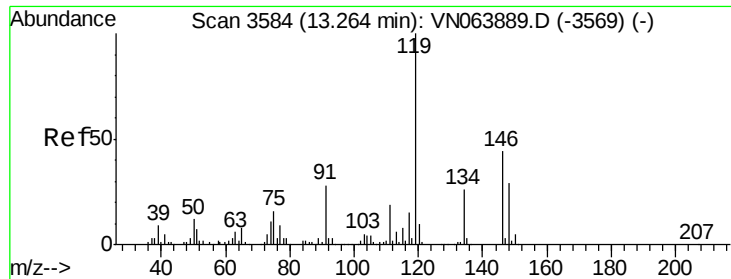
MMDadoda
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#81
sec-Butylbenzene
Concen: 17.932 ug/l
RT: 13.15 min Scan# 3548
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	39.4





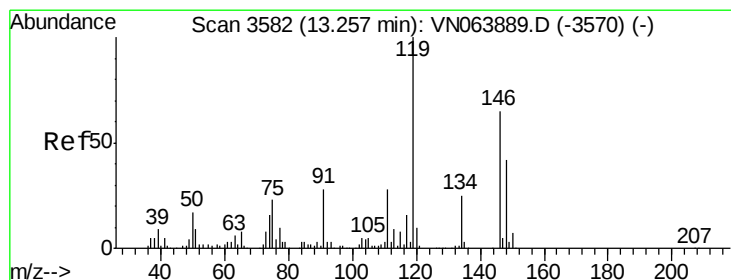
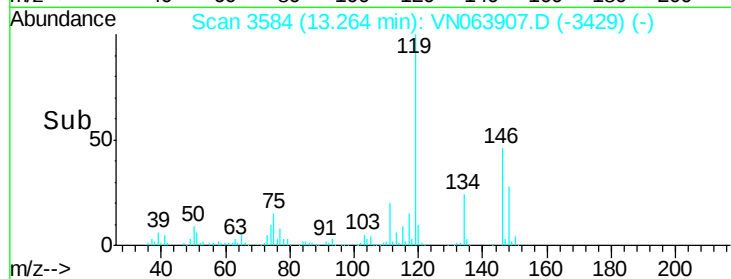
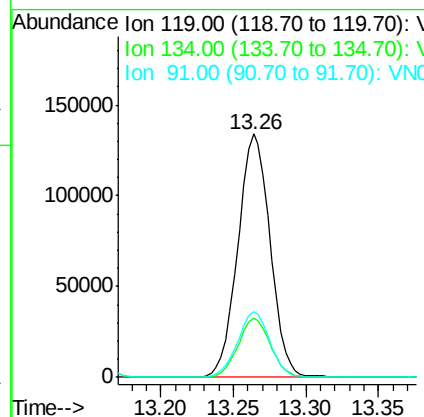
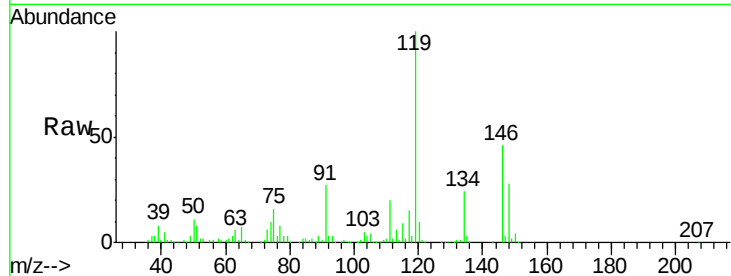
#82
 p-Isopropyltoluene
 Concen: 17.613 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206680		
134	24.3	0.0	52.2	
91	26.6	0.0	46.2	

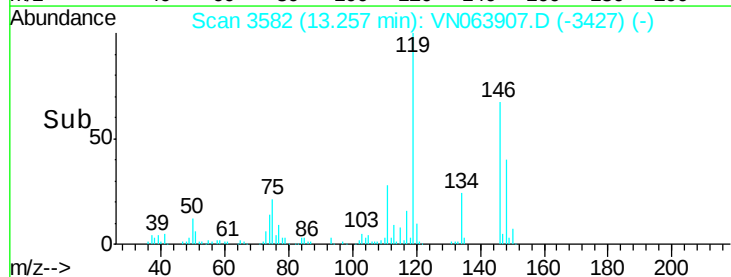
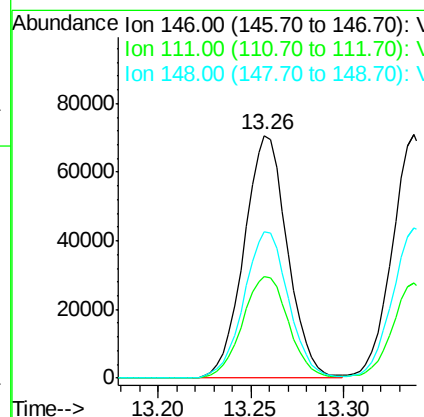
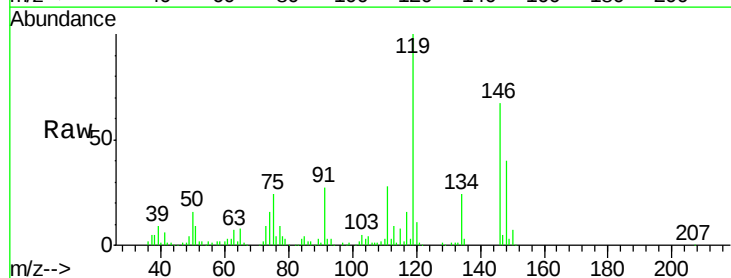
Manual Integrations
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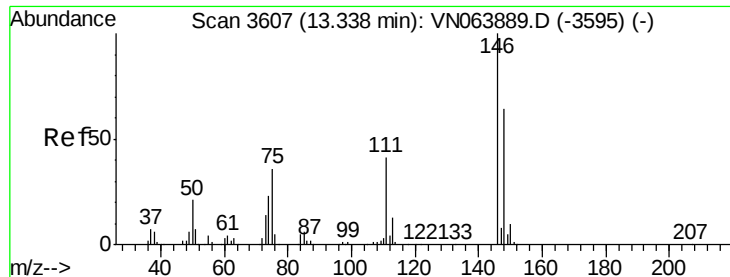
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#83
 1,3-Dichlorobenzene
 Concen: 17.500 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115342		
111	44.3	19.4	58.1	
148	62.0	31.5	94.5	





#84

1,4-Dichlorobenzene

Concen: 17.818 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

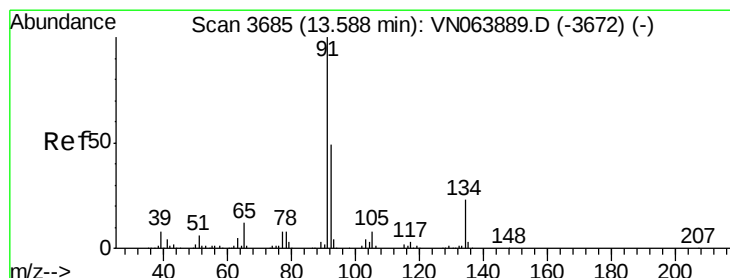
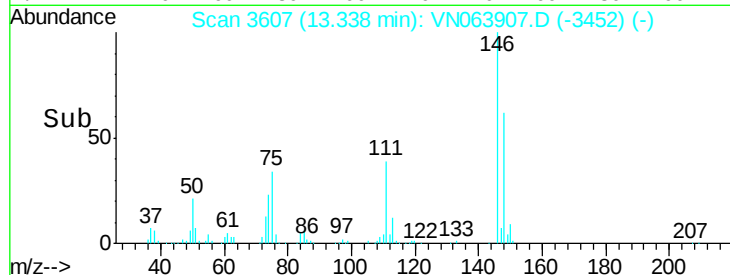
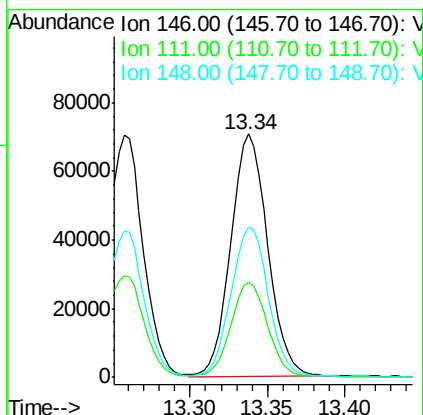
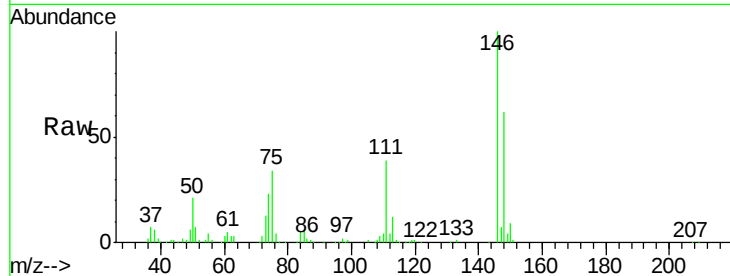
ClientSampleId :

VN1006WBSD03

Tot Ion:	146	Resp:	116657
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.6	55.8
148	61.6	31.6	94.8

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#85

n-Butylbenzene

Concen: 16.884 ug/l

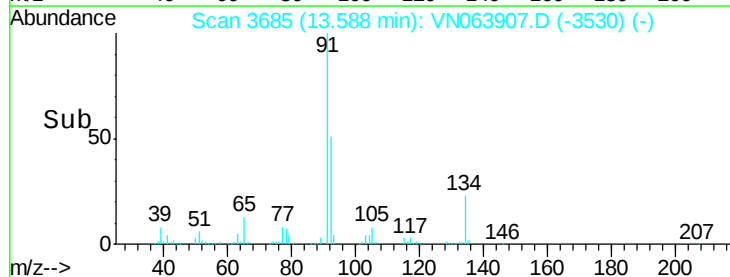
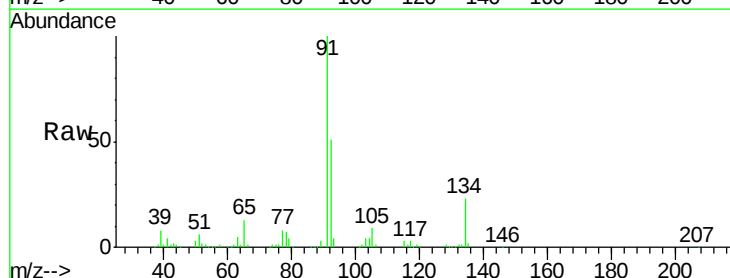
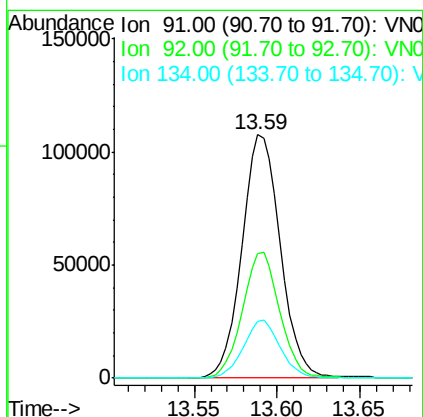
RT: 13.59 min Scan# 3685

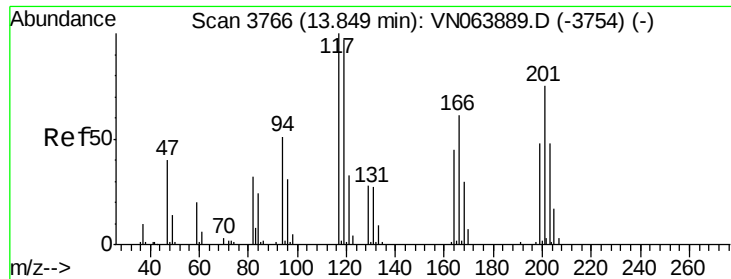
Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Tgt Ion:	91	Resp:	173350
Ion Ratio	Lower	Upper	
91	100		
92	50.2	0.0	100.6
134	22.9	0.0	47.4





#86

Hexachloroethane

Concen: 17.494 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBSD03

Tot Ion:117 Resp: 35380

Ion Ratio Lower Upper

117 100

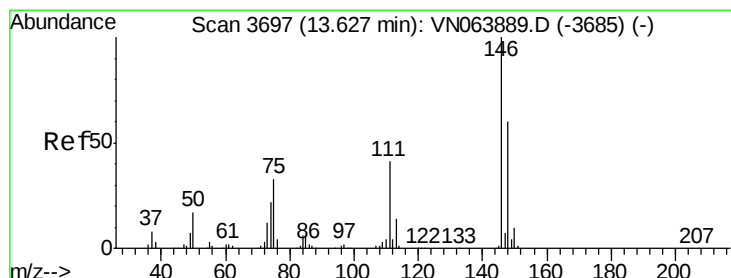
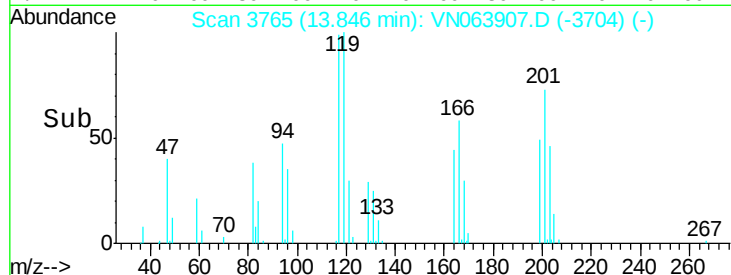
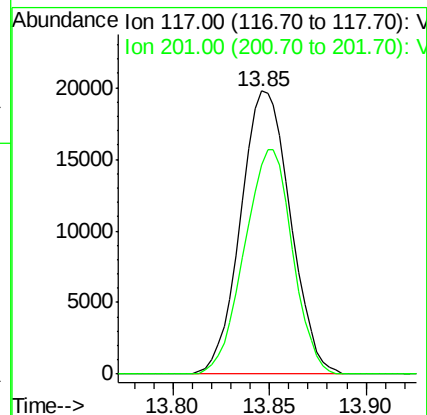
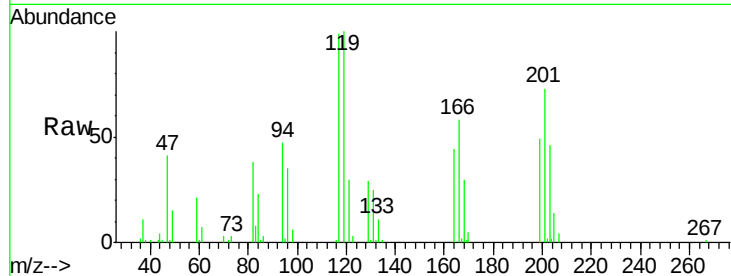
201 76.6 46.1 138.3

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#87

1,2-Dichlorobenzene

Concen: 17.754 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

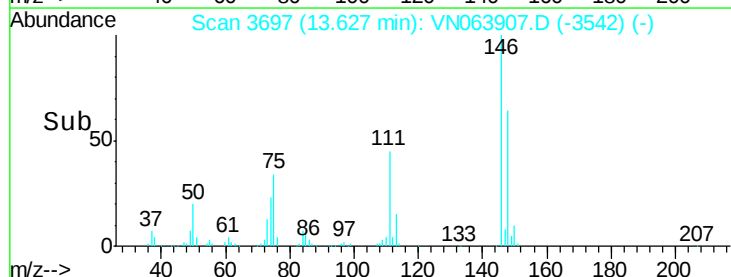
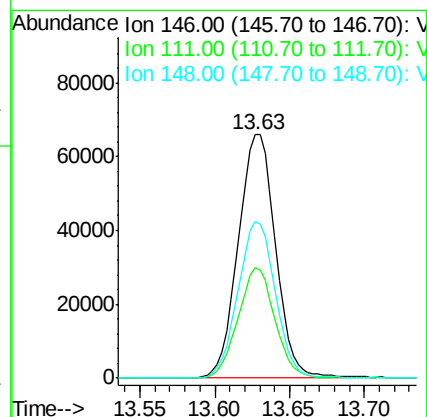
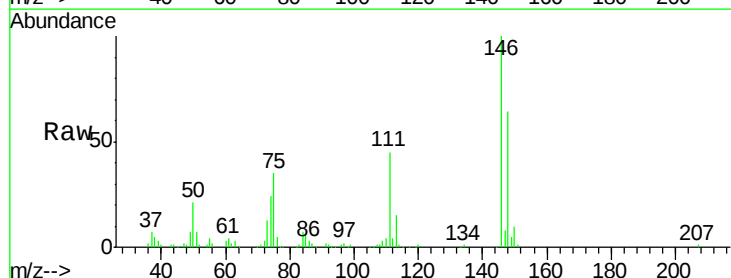
Tgt Ion:146 Resp: 114820

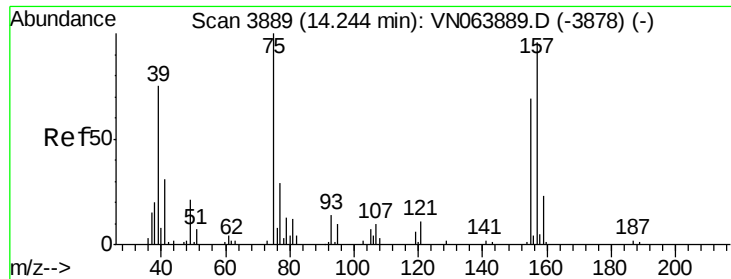
Ion Ratio Lower Upper

146 100

111 44.3 19.1 57.3

148 64.2 31.8 95.4





#88

1,2-Dibromo-3-Chloropropane

Concen: 15.538 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Instrument :

MSVOA_N

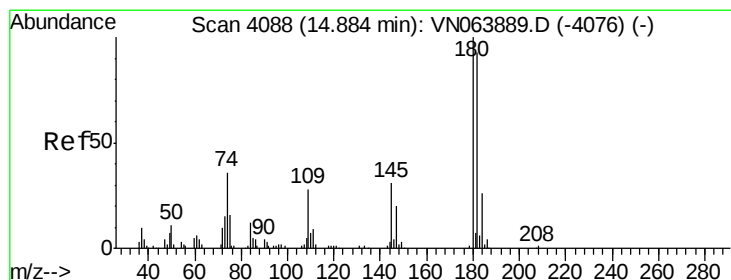
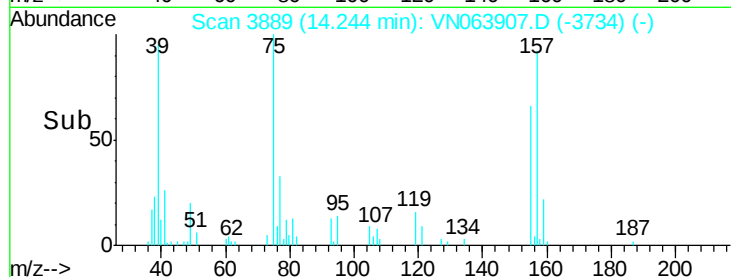
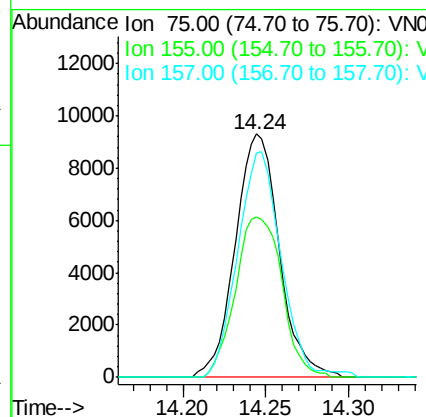
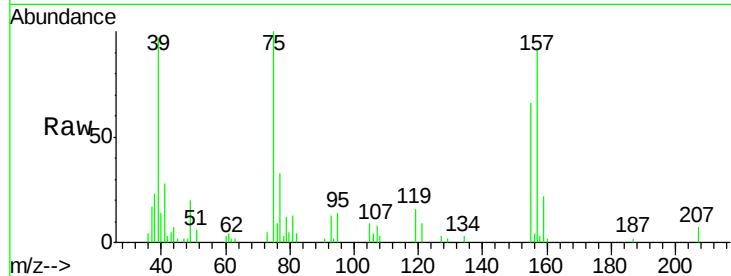
ClientSampleId :

VN1006WBSD03

Tot Ion:	75	Resp:	17159
Ion Ratio	Lower	Upper	
75	100		
155	69.7	64.8	97.2
157	90.1	81.2	121.8

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#89

1,2,4-Trichlorobenzene

Concen: 16.766 ug/l

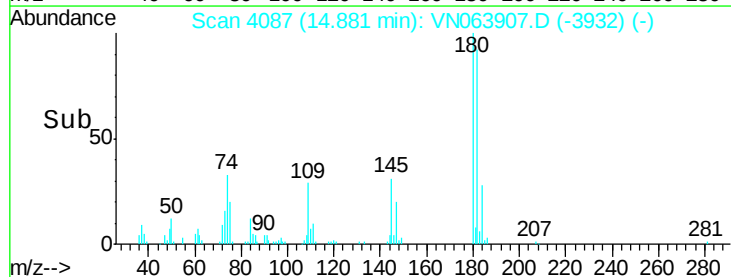
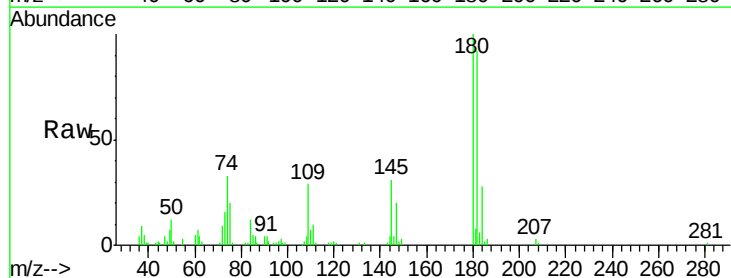
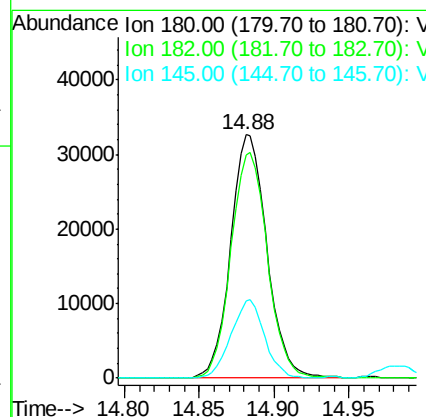
RT: 14.88 min Scan# 4087

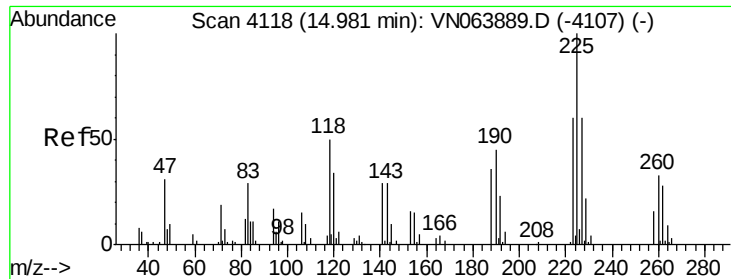
Delta R.T. -0.00 min

Lab File: VN063907.D

Acq: 6 Oct 2020 20:43

Tgt Ion:	180	Resp:	55117
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.9	115.3
145	29.7	21.9	32.9





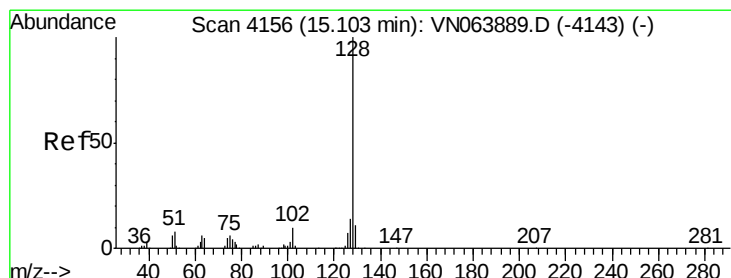
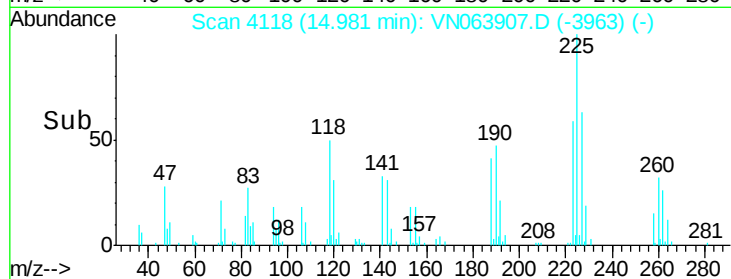
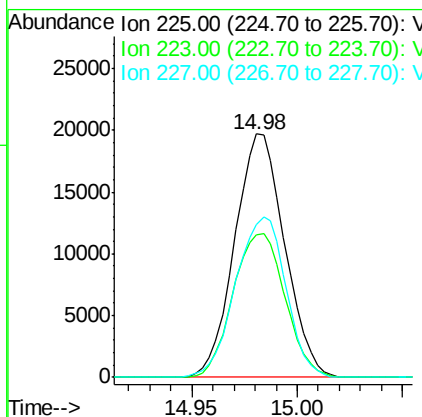
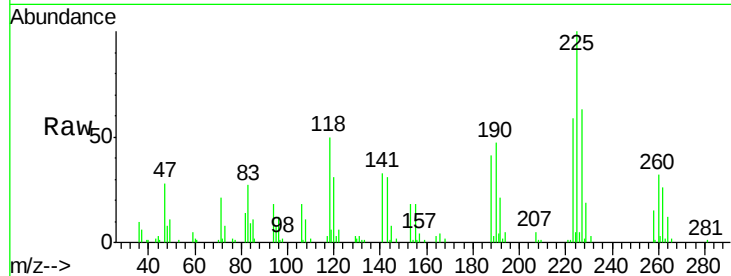
#90
Hexachlorobutadiene
Concen: 18.605 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Instrument :
MSVOA_N
ClientSampled :
VN1006WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
225	100	32394		
223	61.4	0.0	122.8	
227	66.5	0.0	125.6	

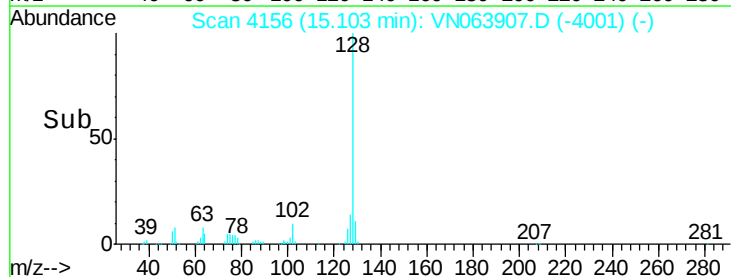
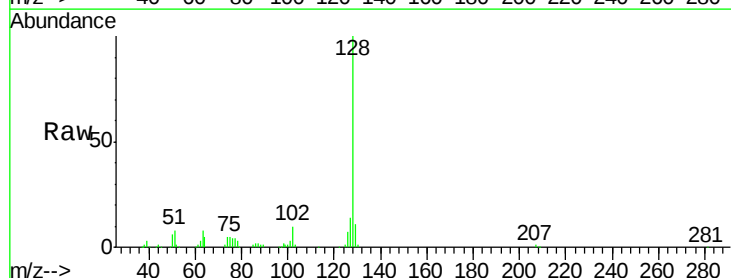
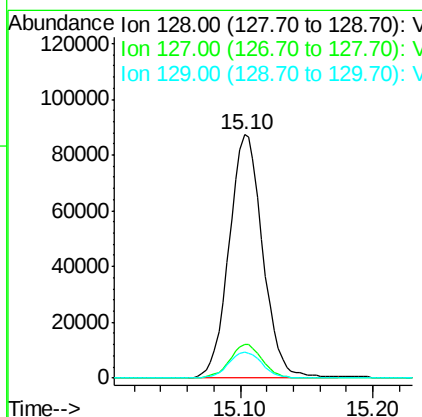
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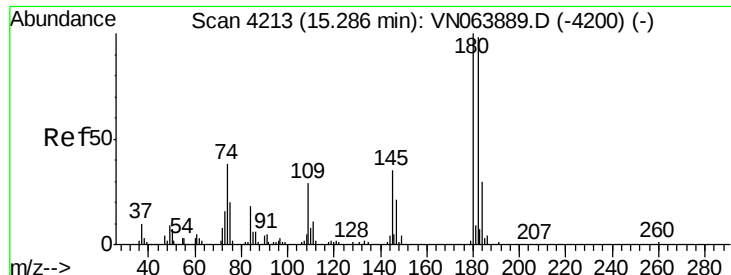
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#91
Naphthalene
Concen: 15.332 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063907.D
Acq: 6 Oct 2020 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	154184		
127	13.3	11.1	16.7	
129	10.7	8.4	12.6	





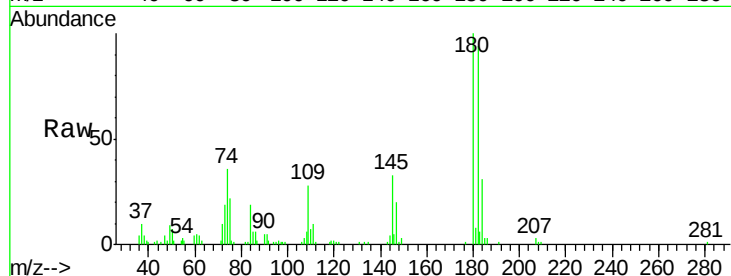
#92
 1,2,3-Trichlorobenzene
 Concen: 16.685 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN063907.D
 Acq: 6 Oct 2020 20:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBSD03

Tot Ion:	180	Resp:	53425
Ion Ratio	Lower	Upper	
180	100		
182	93.5	0.0	188.0
145	33.0	0.0	62.0

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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

