

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061396.D
 Acq On : 14 May 2020 15:46
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:10:46 PM

Quant Time: May 14 16:08:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:40:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	22587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	130754	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	120353	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	59127	29.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.83%
60) 4-Bromofluorobenzene	12.38	95	63932	31.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.70%
63) Toluene-d8	10.06	98	166334	29.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	159232	156.089	ug/l 99
3) Chloromethane	2.03	50	257599	134.090	ug/l 99
4) Vinyl Chloride	2.16	62	351551	137.067	ug/l 98
5) Bromomethane	2.53	94	169586	128.697	ug/l 98
6) Chloroethane	2.67	64	227323	129.685	ug/l 99
7) Trichlorofluoromethane	2.98	101	374666	136.357	ug/l 100
8) Diethyl Ether	3.37	74	126864	147.337	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	171367	148.391	ug/l 94
10) 1,1-Dichloroethene	3.70	96	180311	148.280	ug/l 99
11) Methyl Iodide	3.91	142	206032	158.738	ug/l 99
12) Methyl Acetate	4.27	43	218517	147.882	ug/l 99
13) Acrolein	3.56	56	164203	642.970	ug/l 99
14) Acrylonitrile	4.93	53	511954	737.802	ug/l 97
15) Acetone	3.77	58	113230	666.587	ug/l 99
16) Carbon Disulfide	4.01	76	423079	118.909	ug/l 100
17) Allyl chloride	4.27	41	358034	145.787	ug/l 100
18) Methylene Chloride	4.50	84	220254	150.538	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	218773	151.898	ug/l 93
20) Diisopropyl ether	5.90	45	829437	144.914	ug/l 92
21) 1,1-Dichloroethane	5.80	63	437367	146.685	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	252648	149.035	ug/l 98
23) tert-Butyl Alcohol	4.73	59	156437	695.336	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	736673	149.519	ug/l 100
25) Chloroform	7.33	83	424557	146.939	ug/l 97
26) Cyclohexane	7.61	56	402323	140.052	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	336159	145.658	ug/l 99
30) 2-Butanone	6.78	43	700099	714.470	ug/l 99
31) 2,2-Dichloropropane	6.78	77	387622	143.311	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	381191	148.110	ug/l 100
33) Carbon Tetrachloride	7.73	117	306954	157.277	ug/l 99
34) Benzene	8.00	78	953756	146.180	ug/l # 91
35) Methacrylonitrile	7.12	41	140149	142.527	ug/l 87
36) 1,2-Dichloroethane	8.09	62	363584	144.923	ug/l 100
37) Trichloroethene	8.80	130	241689	151.521	ug/l 99
38) Methylcyclohexane	9.05	83	400453	144.276	ug/l 97
39) 1,2-Dichloropropane	9.08	63	255876	141.819	ug/l 98
40) Dibromomethane	9.18	93	164661	149.236	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	354966	148.065	ug/l	99
42) Vinyl Acetate	5.84	43	3388555	731.544	ug/l	98
43) Ethyl Acetate	6.88	43	315533	152.754	ug/l #	94
44) Isopropyl Acetate	8.13	43	576093	141.496	ug/l	99
45) 1,4-Dioxane	9.17	88	47292	2971.441	ug/l	95
46) Methyl methacrylate	9.17	41	271279	141.732	ug/l	96
47) n-amyl Acetate	12.04	43	541981	151.198	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	425749	151.100	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	439589	146.612	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	226665	148.409	ug/l	99
51) Ethyl methacrylate	10.40	69	391643	148.951	ug/l	95
52) 1,3-Dichloropropane	10.68	76	411035	147.137	ug/l	99
53) Dibromochloromethane	10.87	129	257189	155.050	ug/l	100
54) 1,2-Dibromoethane	10.98	107	236273	150.311	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	898933	779.709	ug/l	99
56) Bromoform	12.10	173	169668	164.733	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1612267	731.519	ug/l	99
59) 2-Hexanone	10.72	43	1153301	741.825	ug/l	99
61) Tetrachloroethene	10.60	164	231193	154.544	ug/l	96
62) Toluene	10.12	91	1056652	151.775	ug/l	97
64) Chlorobenzene	11.41	112	635568	154.875	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	233159	155.651	ug/l	98
66) Ethyl Benzene	11.48	91	1220018	152.933	ug/l	99
67) m/p-Xylenes	11.60	106	921722	314.728	ug/l	99
68) o-Xylene	11.92	106	440427	157.628	ug/l	99
69) Styrene	11.94	104	783639	164.465	ug/l	98
70) Isopropylbenzene	12.22	105	1186125	156.425	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	312010	147.116	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	320269m	161.342	ug/l	
73) Bromobenzene	12.50	156	252019	160.978	ug/l	95
74) n-propylbenzene	12.57	91	1397796	154.687	ug/l	100
75) 2-Chlorotoluene	12.65	91	802700	154.958	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	998502	157.046	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	134296	162.880	ug/l	95
78) 4-Chlorotoluene	12.75	91	861895	159.942	ug/l	99
79) tert-butylbenzene	12.97	119	823524	155.635	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	1001144	157.940	ug/l	99
81) sec-Butylbenzene	13.15	105	1146670	157.741	ug/l	99
82) p-Isopropyltoluene	13.26	119	1043432	159.845	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	479367	165.795	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	473040	165.173	ug/l	99
85) n-Butylbenzene	13.59	91	966816	160.018	ug/l	98
86) Hexachloroethane	13.85	117	147669	162.942	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	446255	161.875	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	67278	149.265	ug/l	98
89) 1,2,4-Trichlorobenzene	14.89	180	269145	172.242	ug/l	98
90) Hexachlorobutadiene	14.99	225	102360	157.792	ug/l	98
91) Naphthalene	15.10	128	850173	173.189	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	255574	167.323	ug/l	98

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ClientSampleId :
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QLast Update : Thu May 14 15:40:07 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

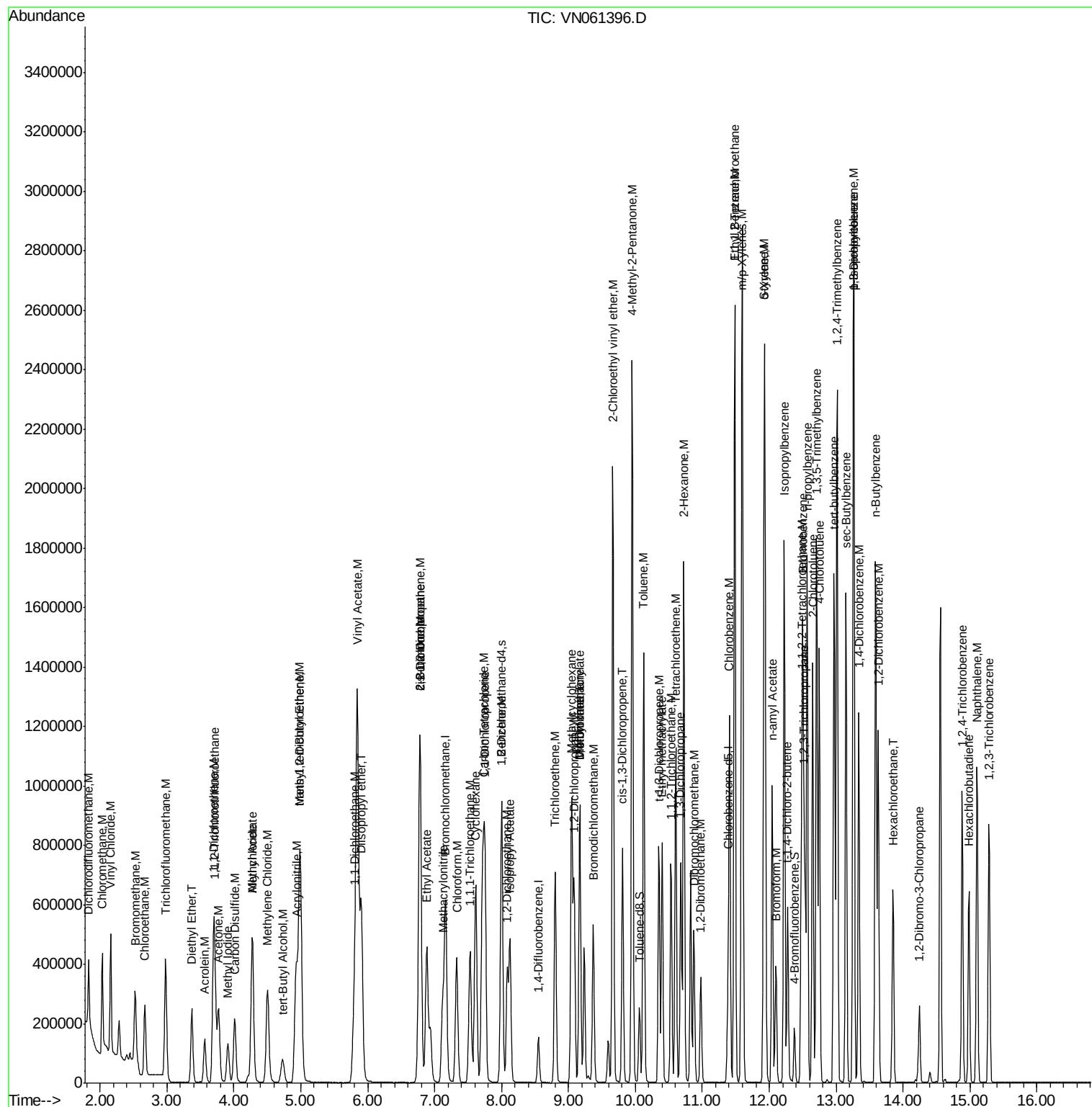
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061396.D
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 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

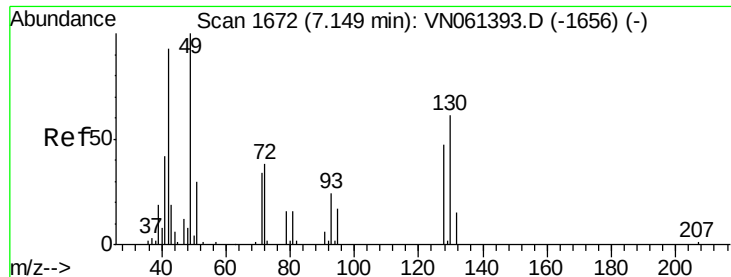
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC150

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

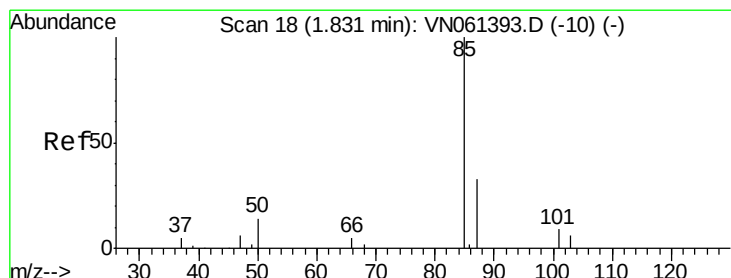
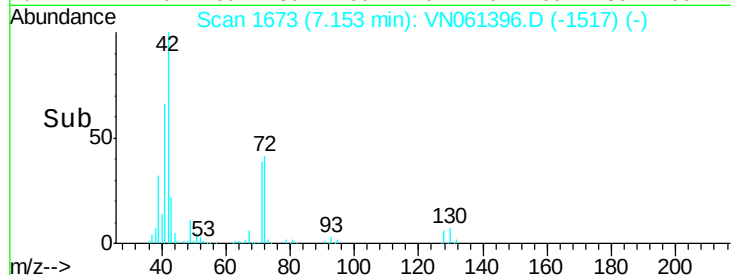
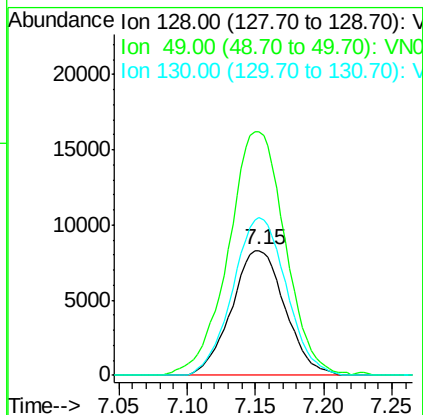
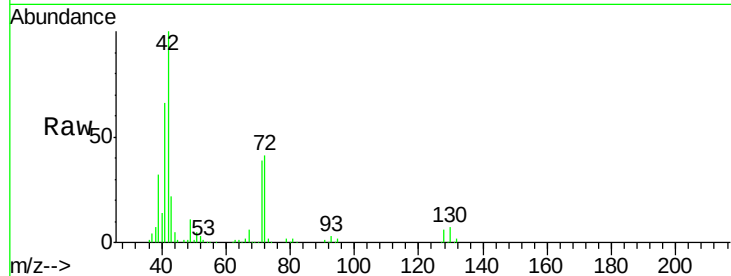
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	207.1	0.0	453.5
130	126.7	0.0	314.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 156.089 ug/l

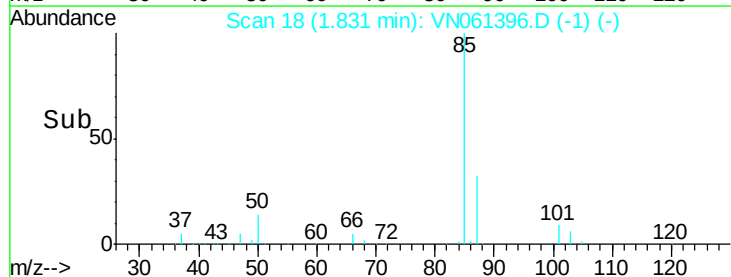
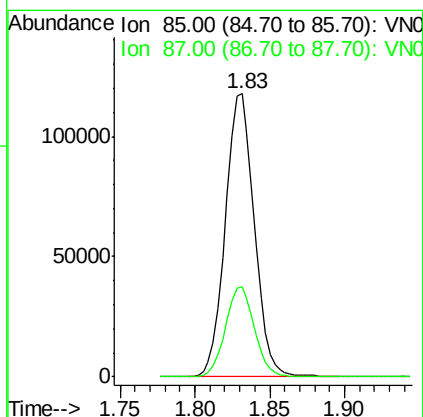
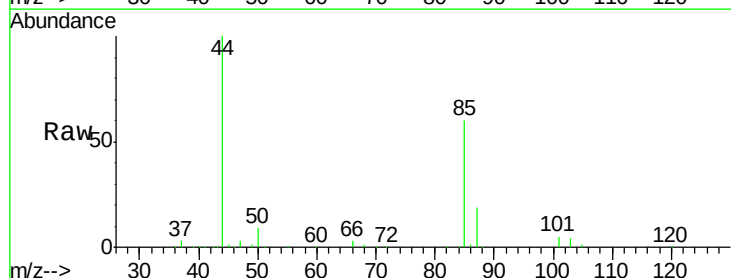
RT: 1.83 min Scan# 18

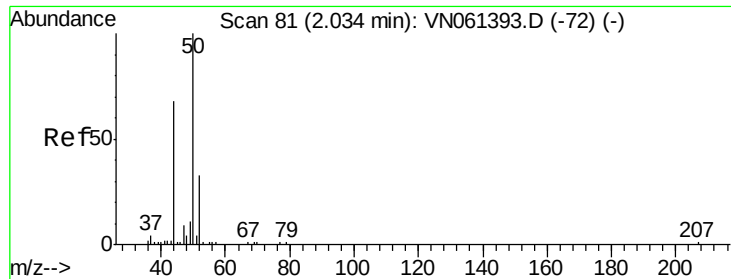
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.0





#3

Chloromethane

Concen: 134.090 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 257599

Ion Ratio Lower Upper

50 100

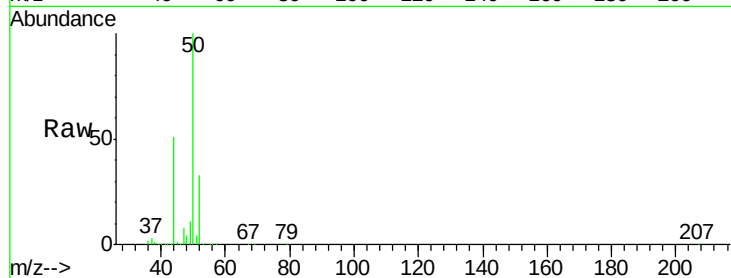
52 32.9 25.8 38.8

Manual Integrations

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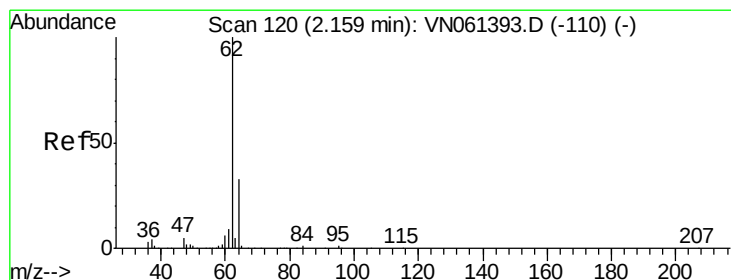
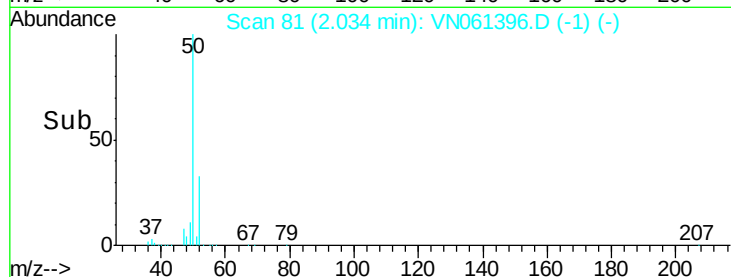
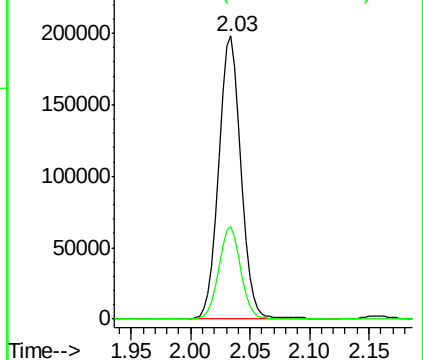
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 137.067 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061396.D

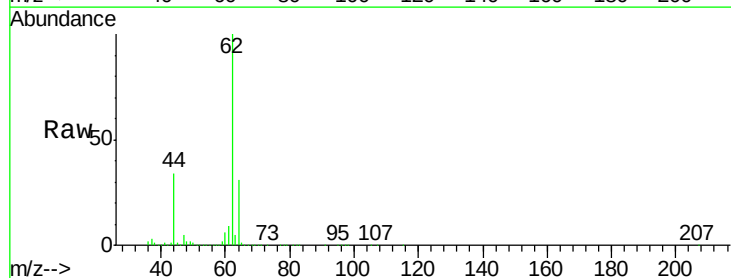
Acq: 14 May 2020 15:46

Tgt Ion: 62 Resp: 351551

Ion Ratio Lower Upper

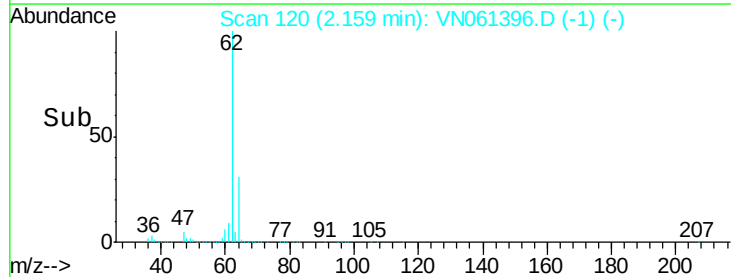
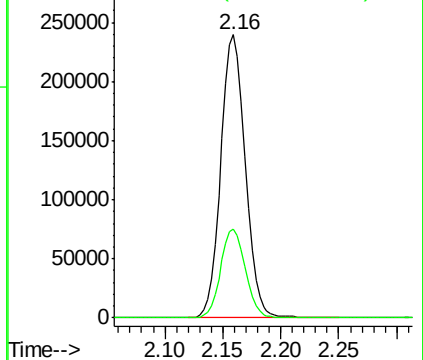
62 100

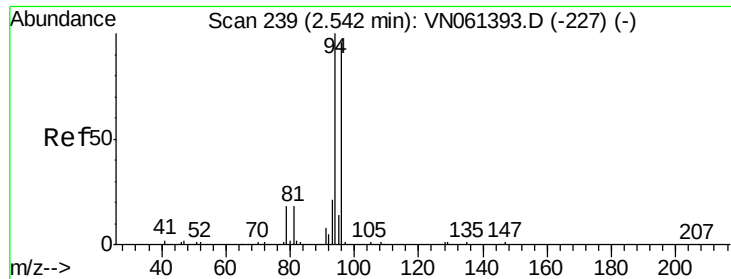
64 31.4 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 128.697 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 169586

Ion Ratio Lower Upper

94 100

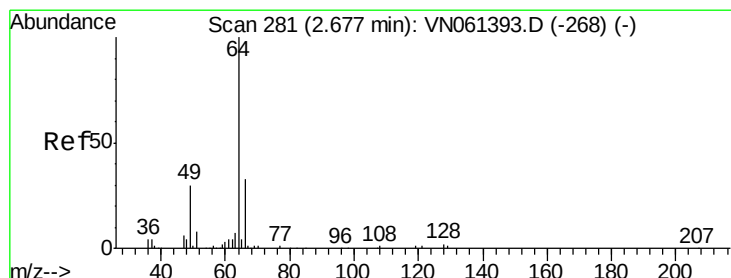
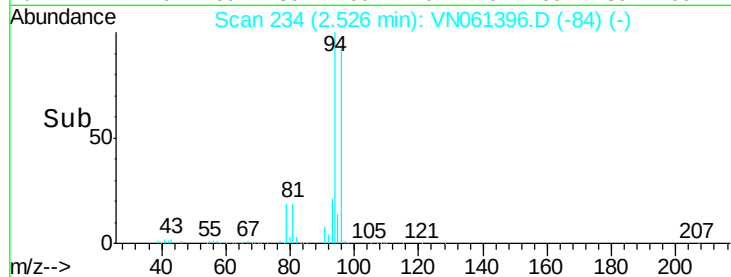
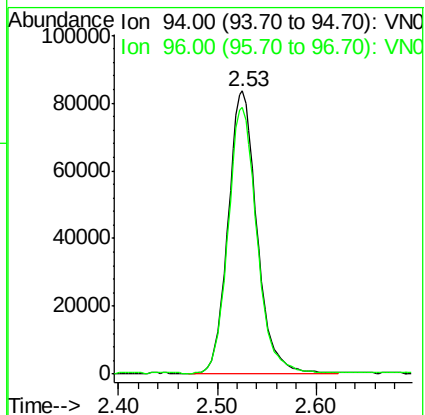
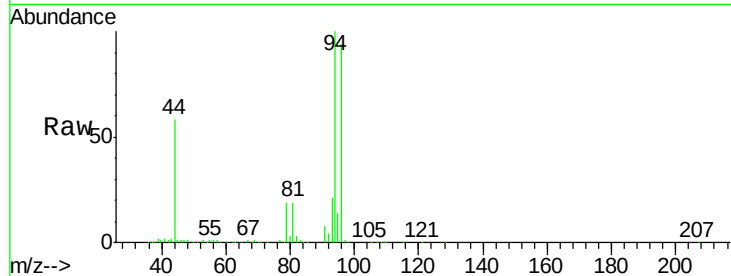
96 94.0 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 129.685 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN061396.D

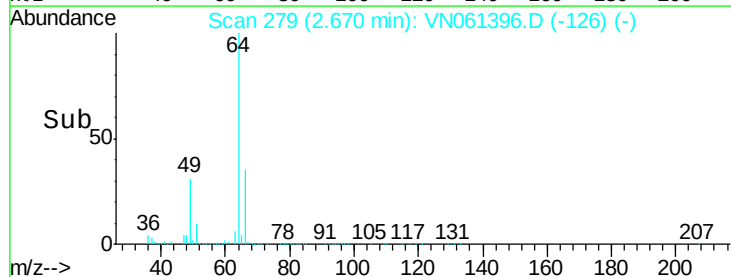
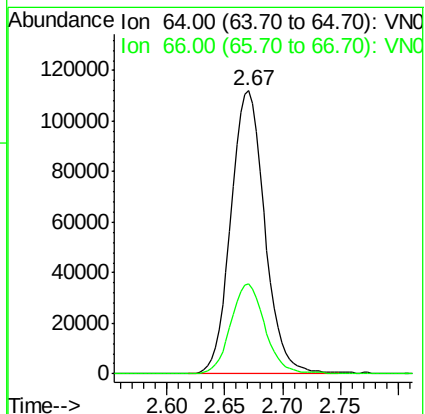
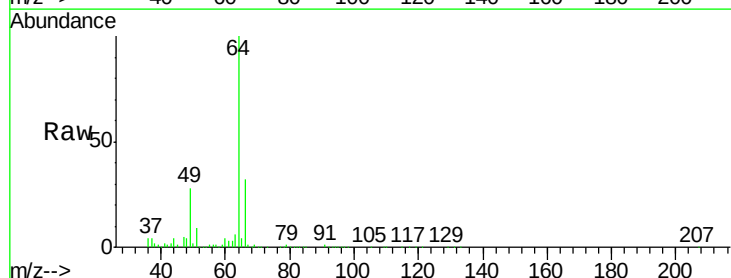
Acq: 14 May 2020 15:46

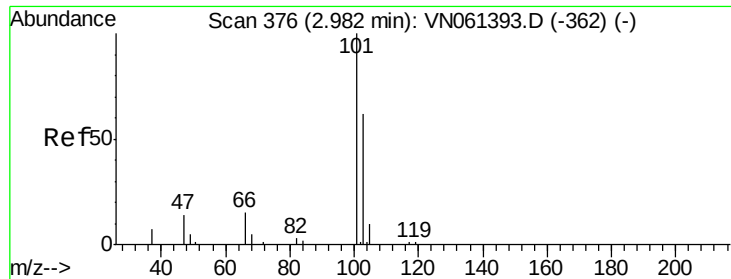
Tgt Ion: 64 Resp: 227323

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8





#7

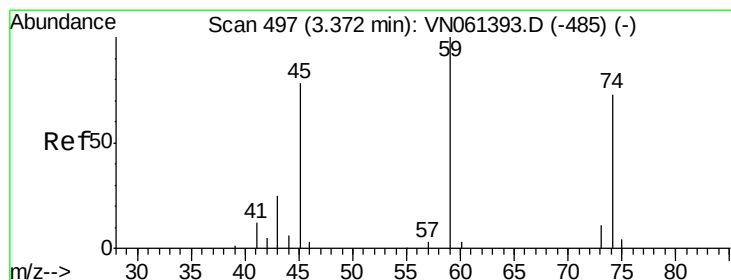
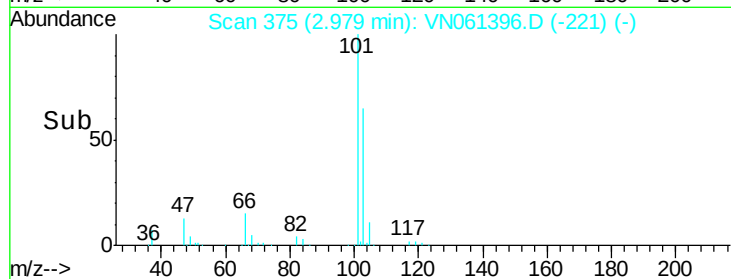
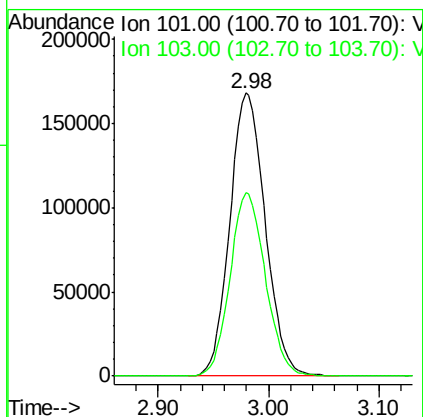
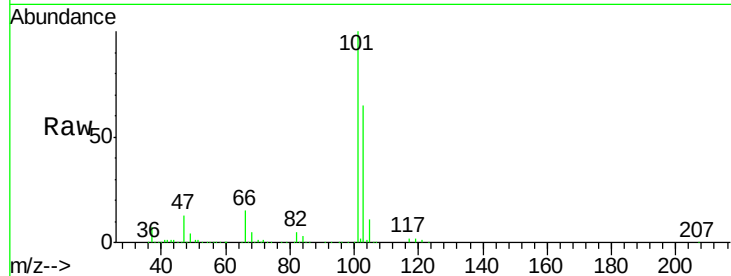
Trichlorofluoromethane
 Concen: 136.357 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.5	77.3

Manual Integrations
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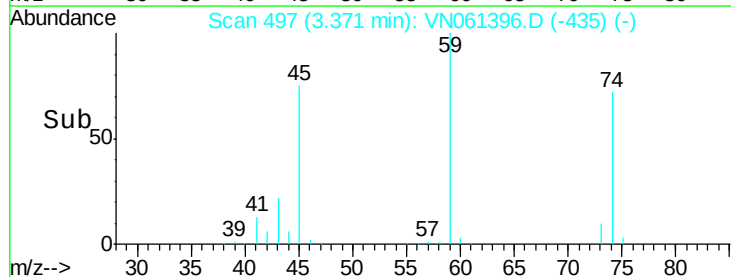
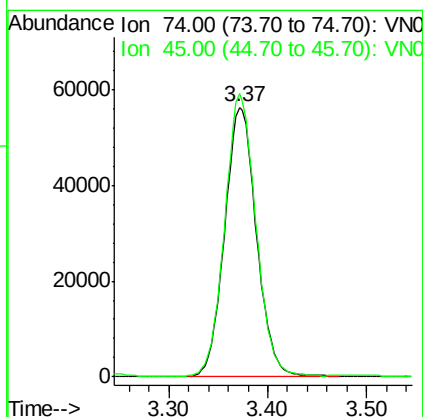
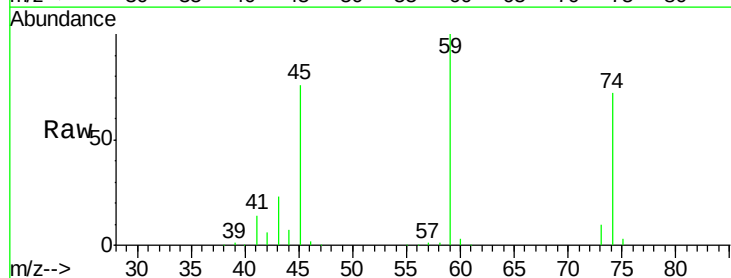
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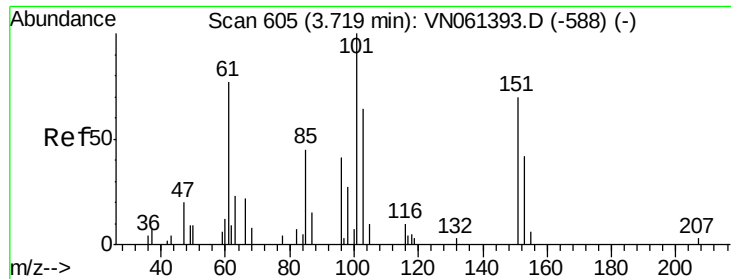


#8

Diethyl Ether
 Concen: 147.337 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.391 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

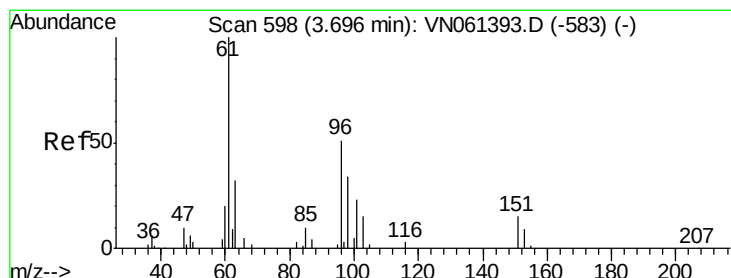
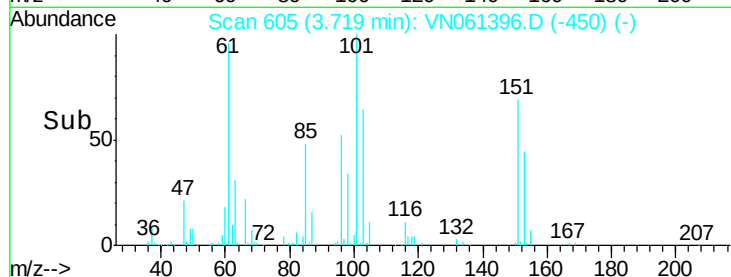
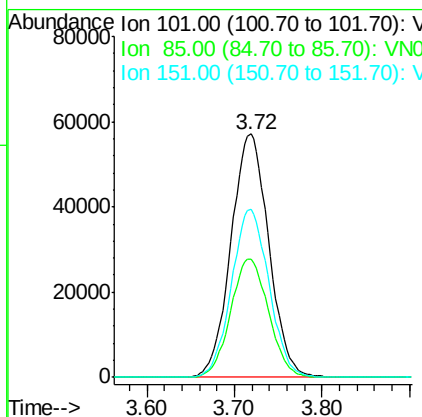
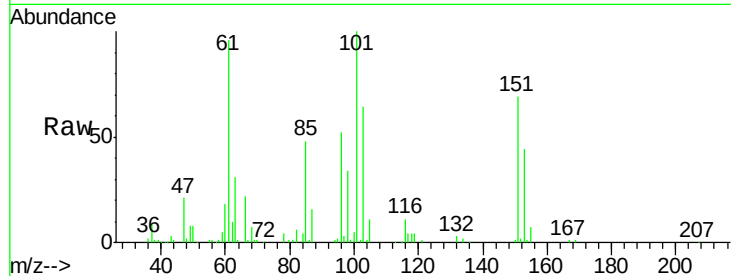
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	171367
Ion Ratio	Lower	Upper	
101	100		
85	48.7	0.0	93.8
151	68.4	0.0	149.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 148.280 ug/l

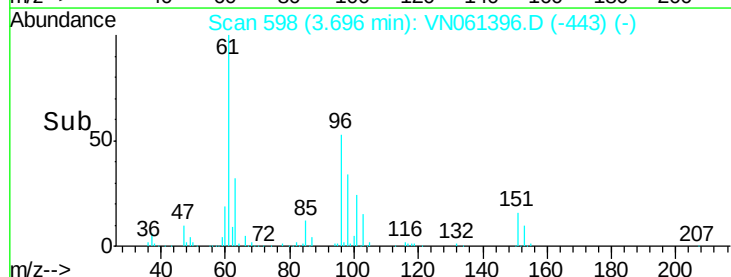
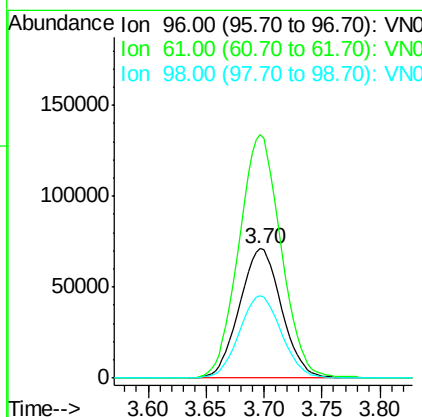
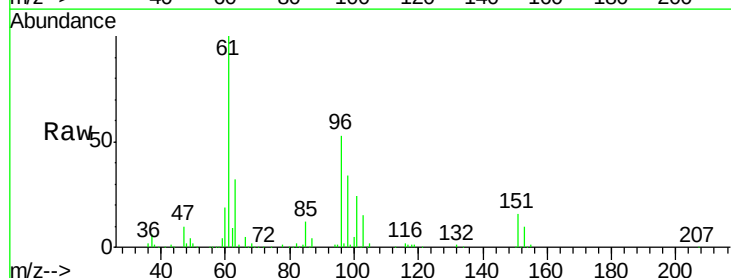
RT: 3.70 min Scan# 598

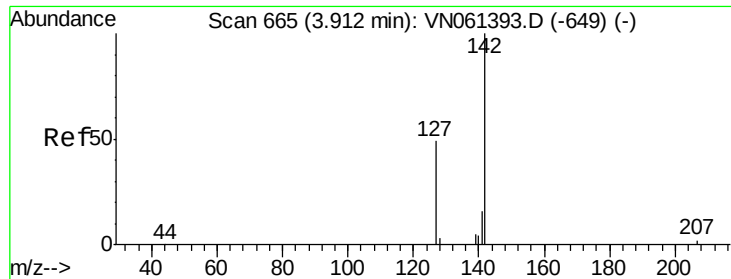
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	96	Resp:	180311
Ion Ratio	Lower	Upper	
96	100		
61	188.0	148.5	222.7
98	63.9	51.0	76.6





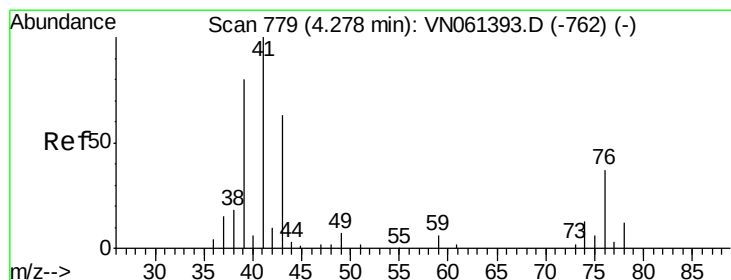
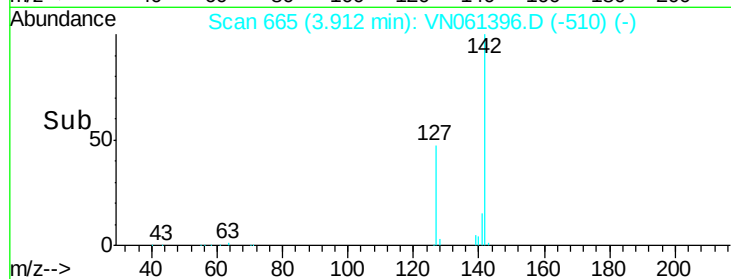
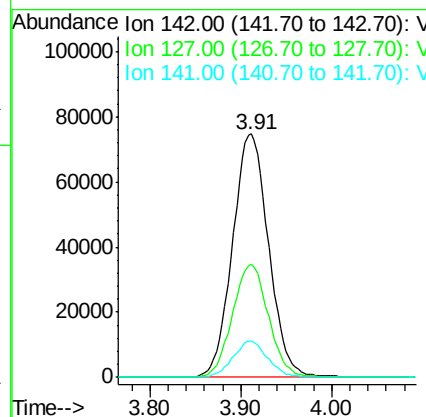
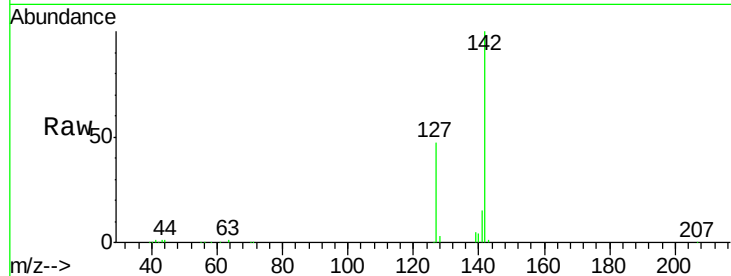
#11
Methvl Iodide
Concen: 158.738 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.6	23.5	70.6
141	14.8	7.4	22.2

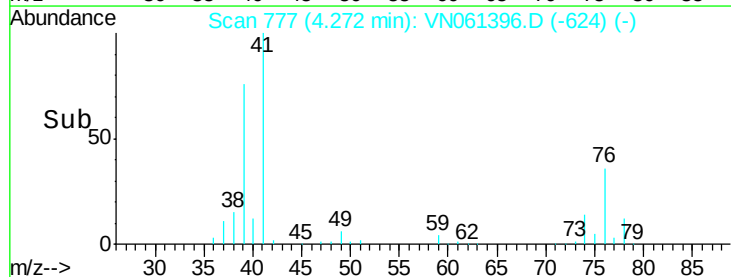
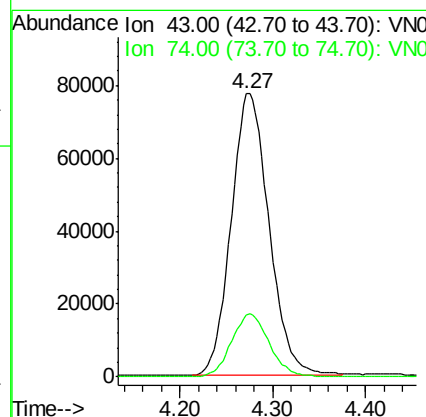
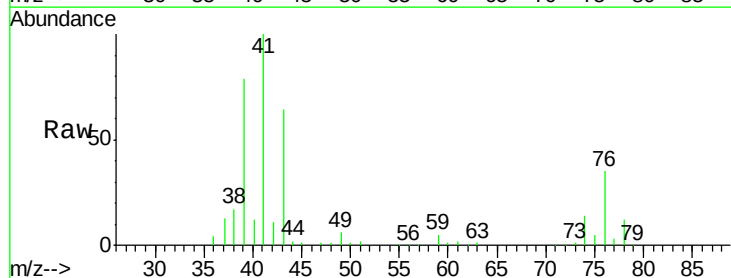
Manual Integrations
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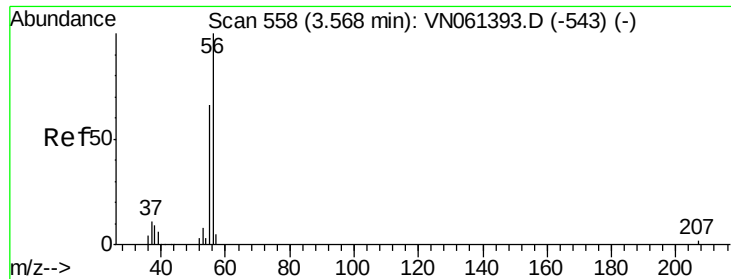
MMDadoda
5/15/2020 2:10:46 PM



#12
Methyl Acetate
Concen: 147.882 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.1	27.1





#13

Acrolein

Concen: 642.970 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 164203

Ion Ratio Lower Upper

56 100

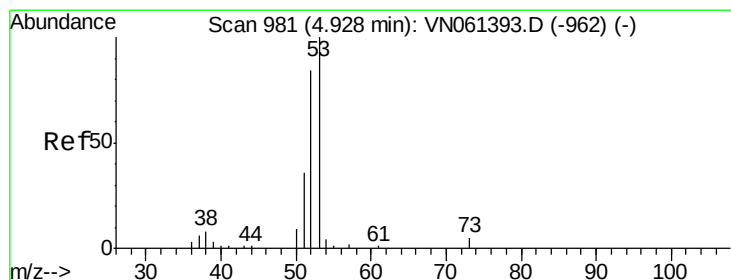
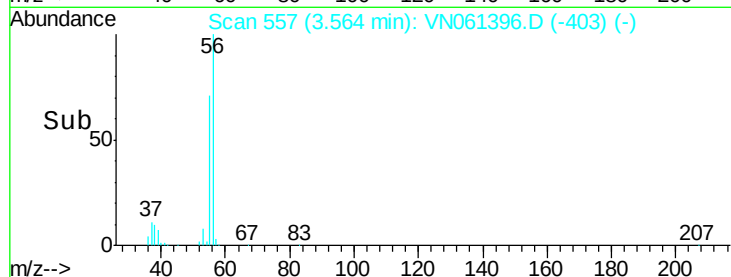
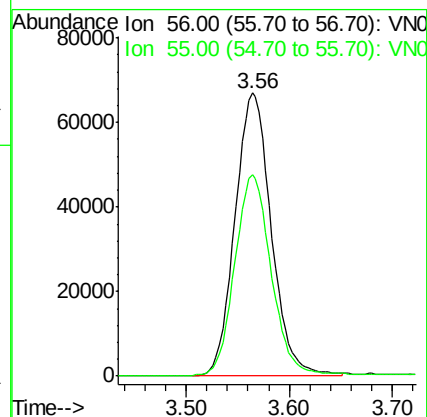
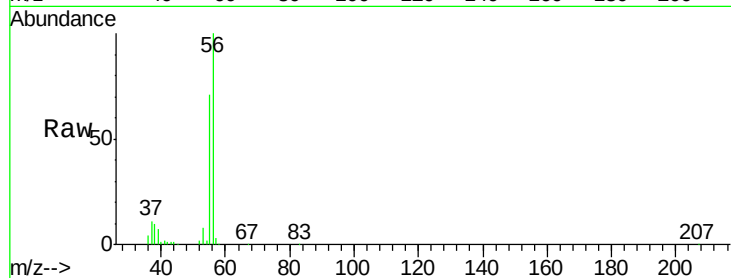
55 70.9 55.9 83.9

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 737.802 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

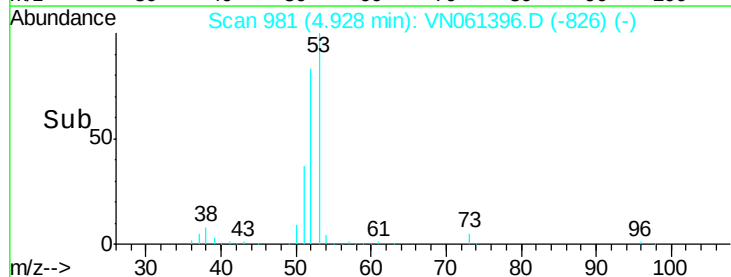
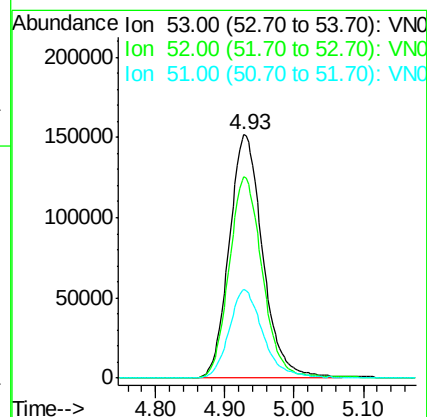
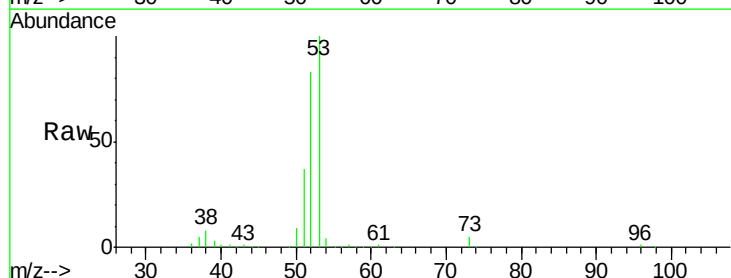
Tgt Ion: 53 Resp: 511954

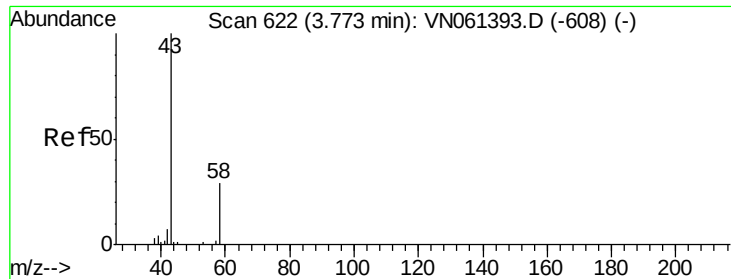
Ion Ratio Lower Upper

53 100

52 81.6 42.2 126.6

51 36.8 18.8 56.4





#15

Acetone

Concen: 666.587 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 113230

Ion Ratio Lower Upper

58 100

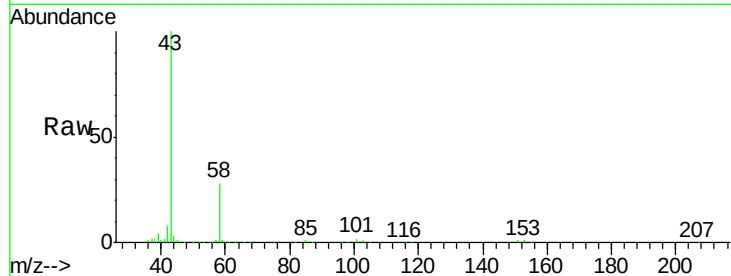
43 351.0 281.7 422.5

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN061396.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN061396.D (-608) (-)

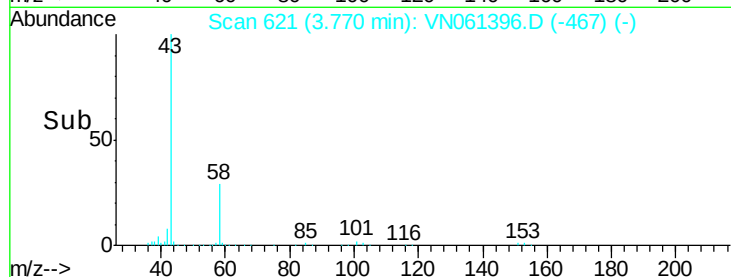
150000

100000

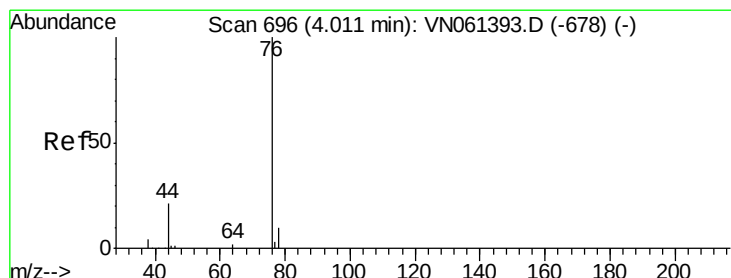
50000

0

3.70 3.77 3.90



Time-->



#16

Carbon Disulfide

Concen: 118.909 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061396.D

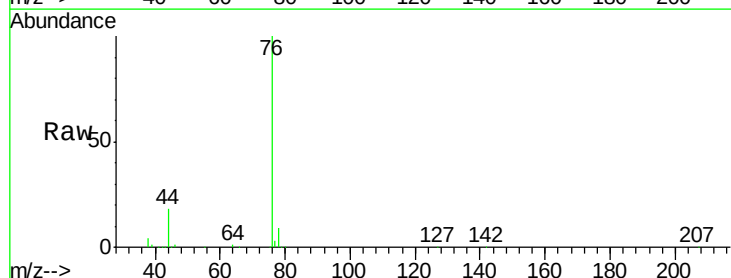
Acq: 14 May 2020 15:46

Tgt Ion: 76 Resp: 423079

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061396.D (-678) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-678) (-)

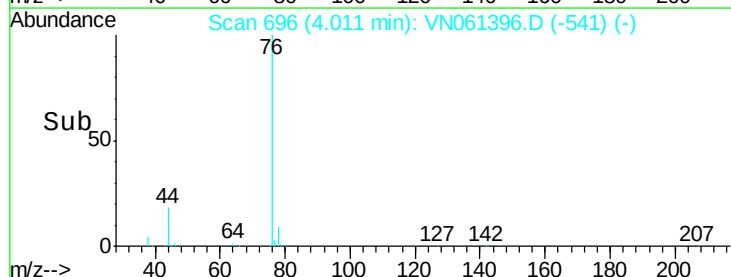
150000

100000

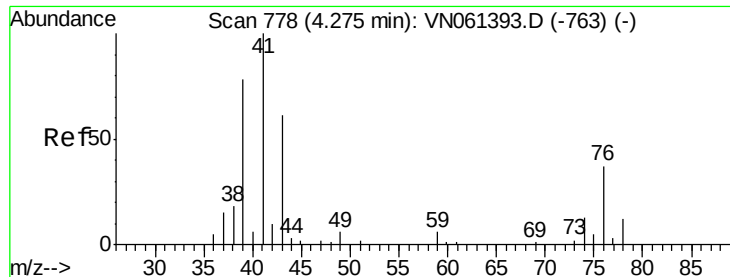
50000

0

3.90 4.01 4.10 4.20



Time-->



#17

Allvl chloride

Concen: 145.787 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

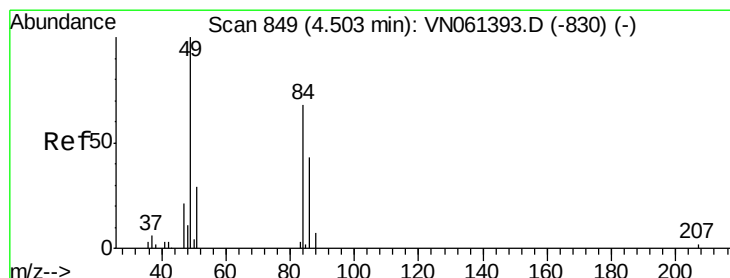
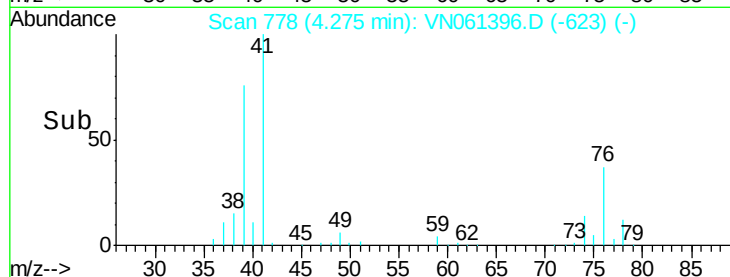
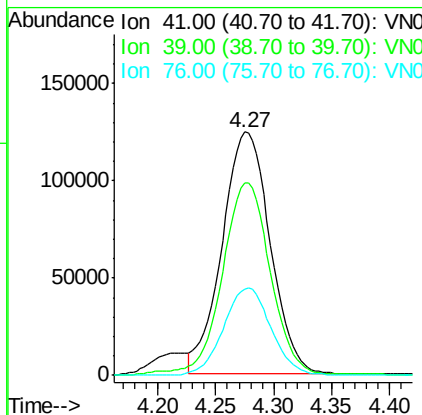
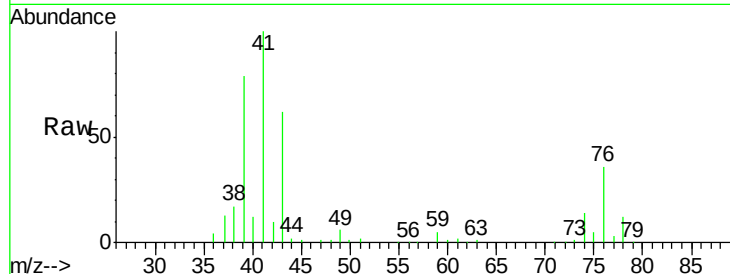
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	358034
Ion Ratio		Lower	Upper
41	100		
39	79.1	39.6	118.8
76	35.6	17.6	52.9

Manual Integrations
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#18

Methylene Chloride

Concen: 150.538 ug/l

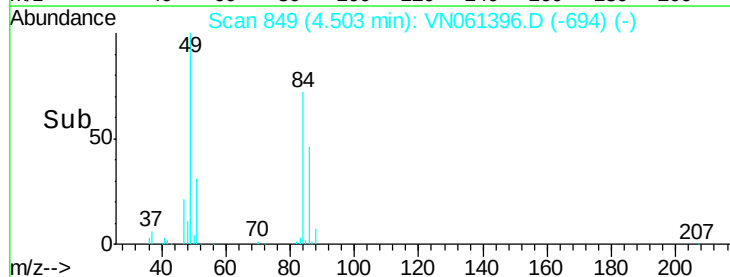
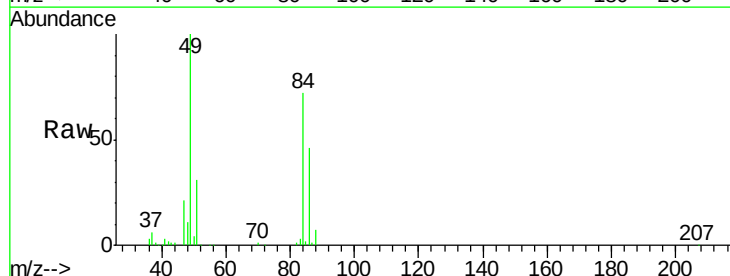
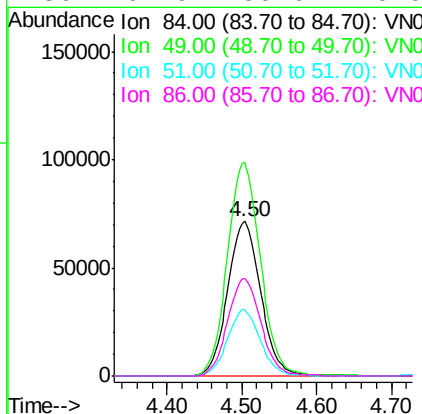
RT: 4.50 min Scan# 849

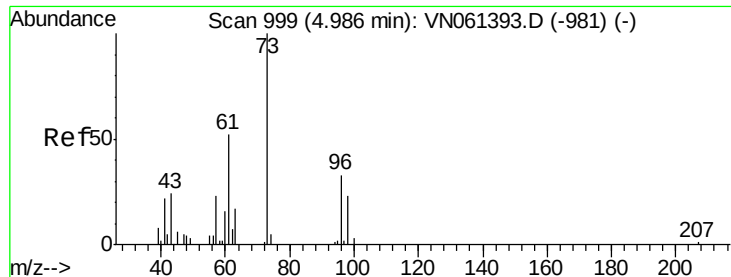
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	84	Resp:	220254
Ion Ratio		Lower	Upper
84	100		
49	137.9	106.6	160.0
51	42.7	32.4	48.6
86	62.9	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 151.898 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

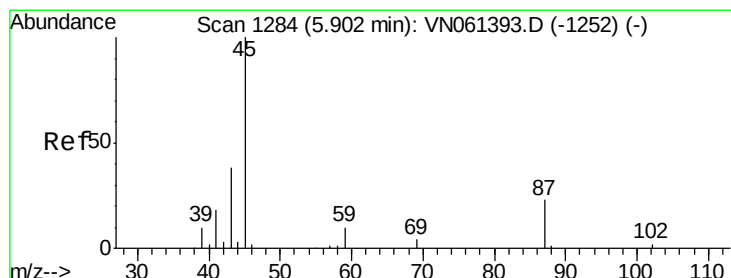
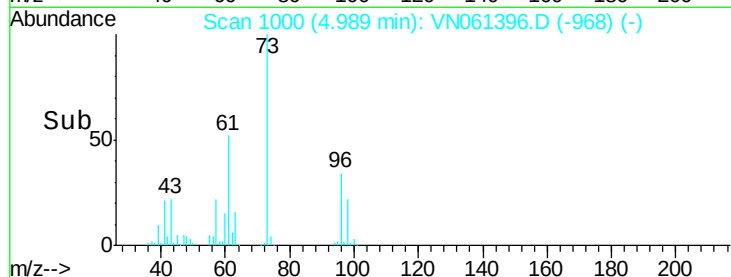
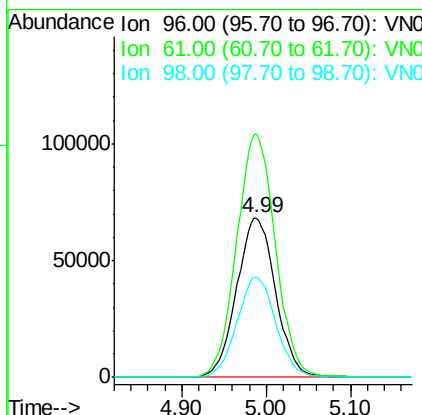
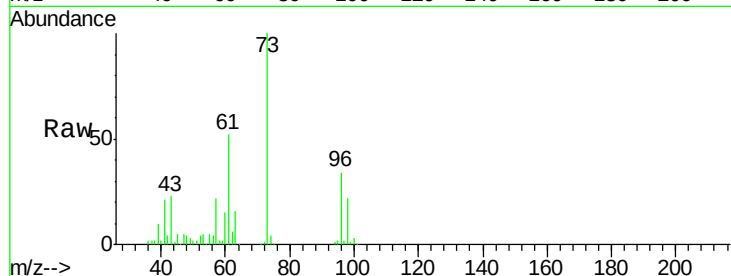
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	218773
Ion	Ratio	Lower	Upper
96	100		
61	152.8	131.8	197.6
98	63.3	52.6	79.0

Manual Integrations
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#20

Diisopropyl ether

Concen: 144.914 ug/l

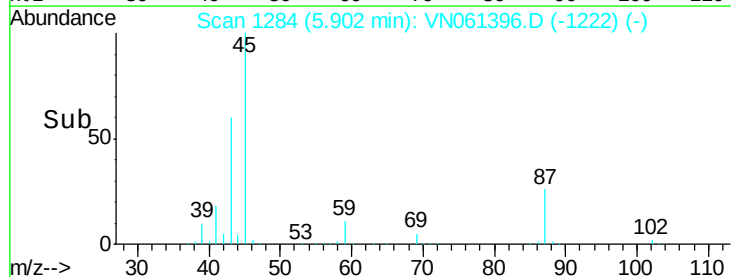
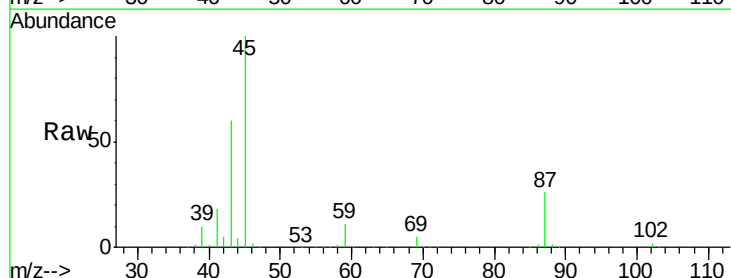
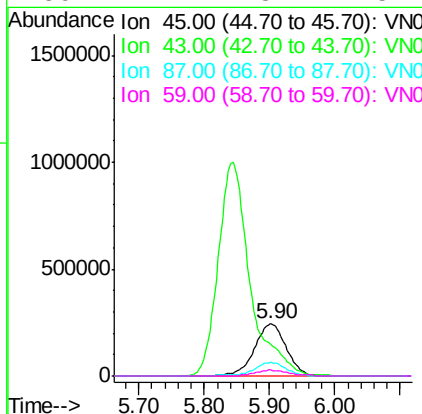
RT: 5.90 min Scan# 1284

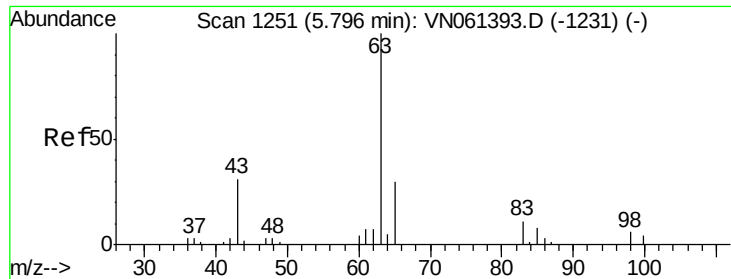
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	45	Resp:	829437
Ion	Ratio	Lower	Upper
45	100		
43	59.1	54.7	82.1
87	25.7	21.5	32.3
59	11.1	8.7	13.1





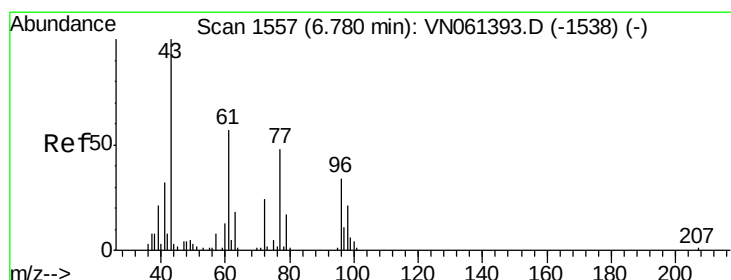
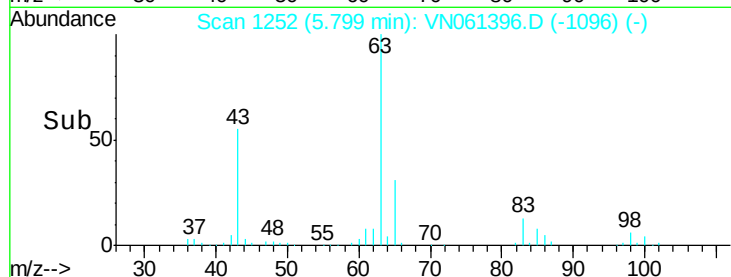
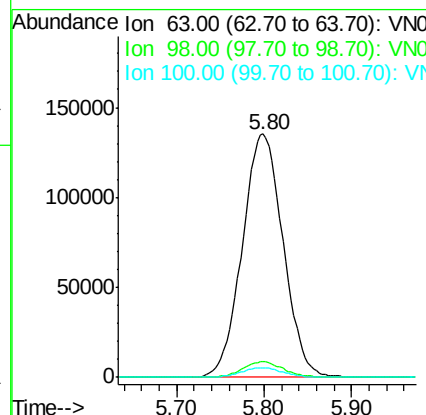
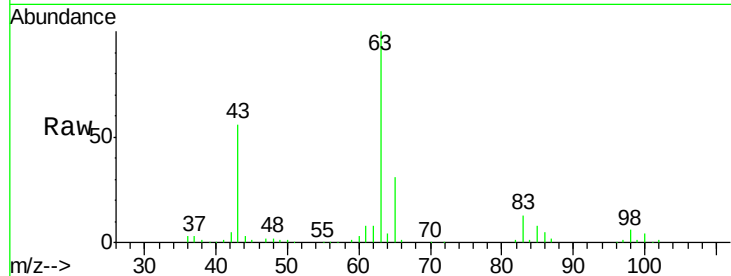
#21
 1,1-Dichloroethane
 Concen: 146.685 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	2.9	8.6	
100	4.0	1.8	5.5	

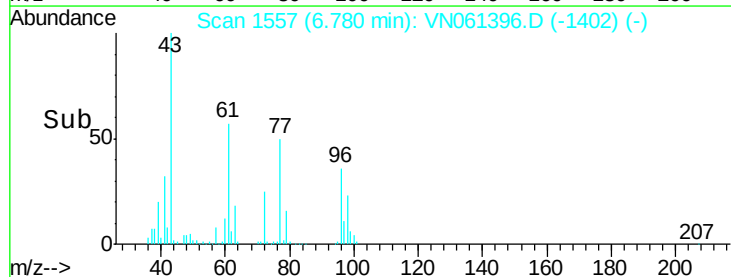
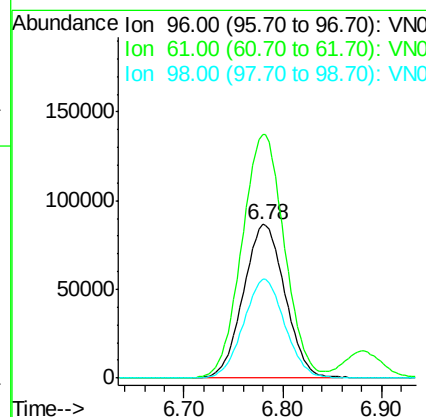
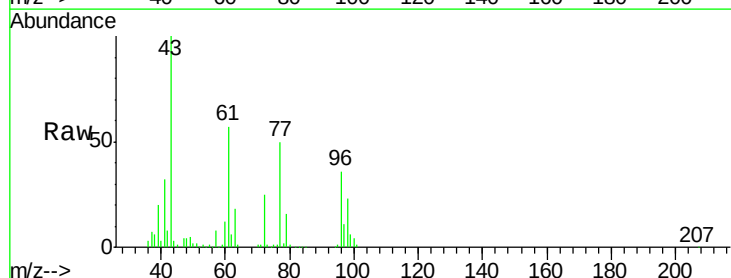
Manual Integrations
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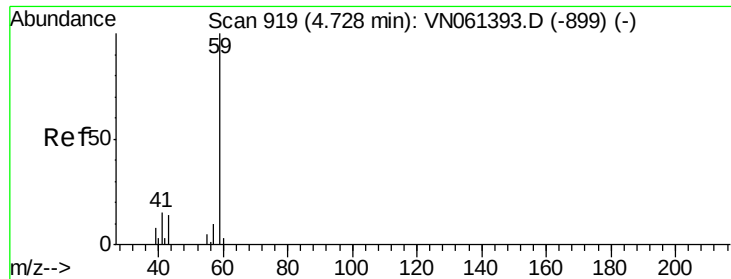
MMDadoda
 5/15/2020 2:10:46 PM



#22
 cis-1,2-Dichloroethene
 Concen: 149.035 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.8	127.2	190.8	
98	64.0	50.5	75.7	





#23

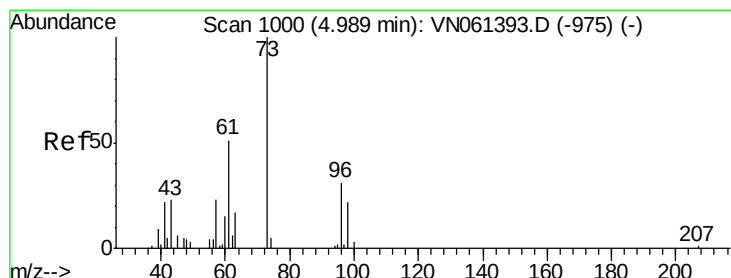
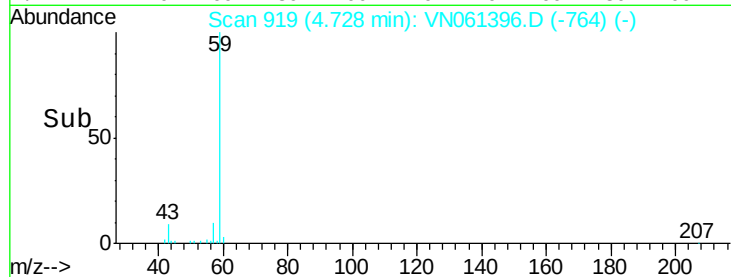
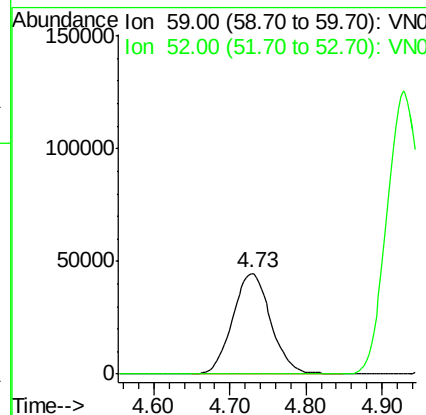
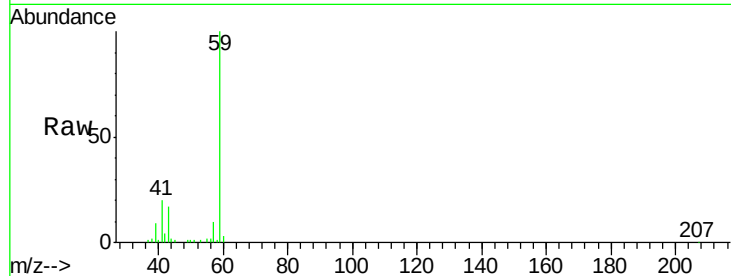
tert-Butyl Alcohol
Concen: 695.336 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	156437		
52	0.0	0.0	0.0	0.0

Manual Integrations
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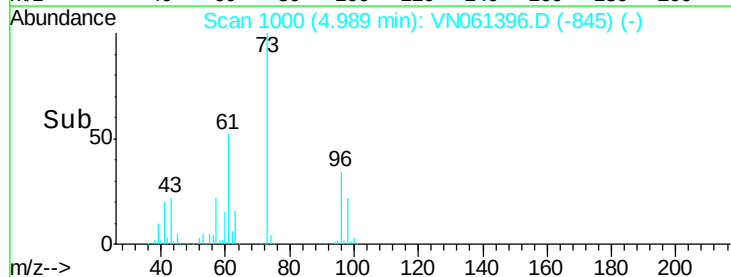
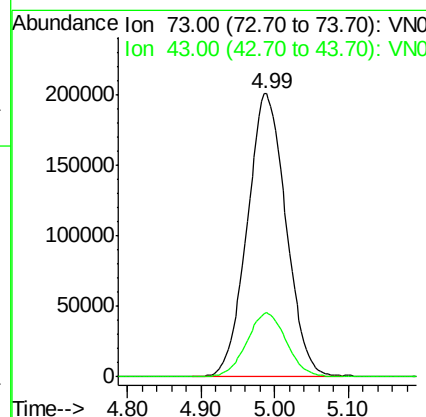
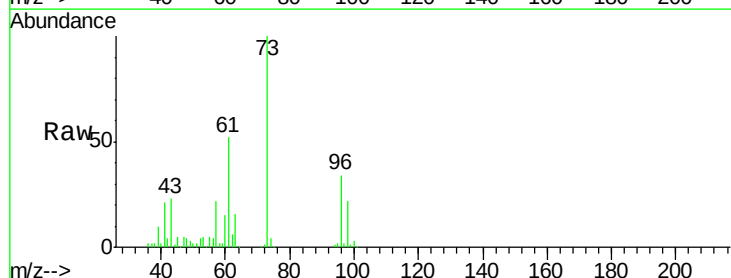
MMDadoda
5/15/2020 2:10:46 PM

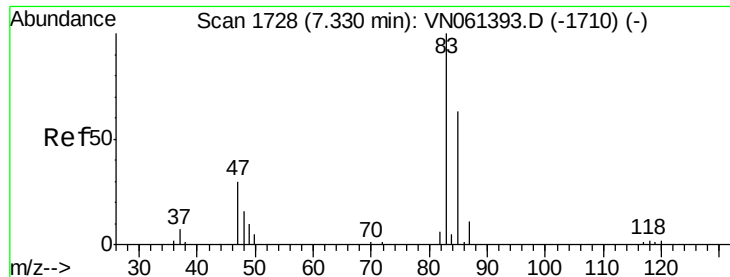


#24

Methyl tert-Butyl Ether
Concen: 149.519 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	736673		
43	22.6	17.9	26.9	





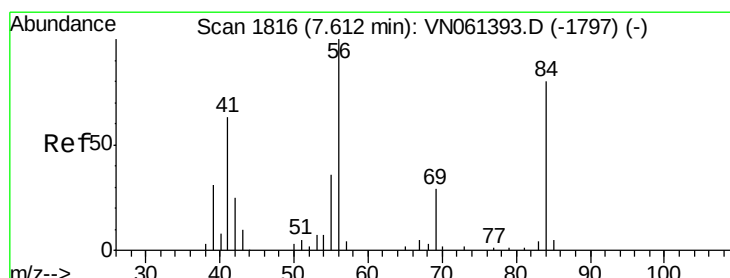
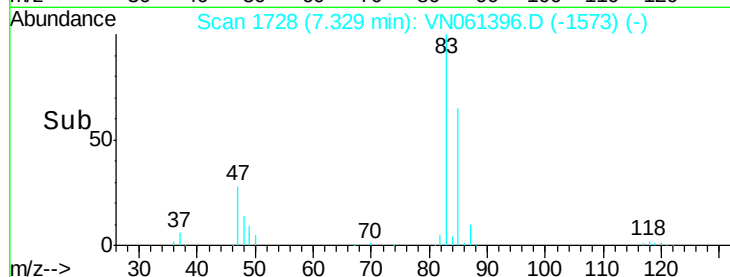
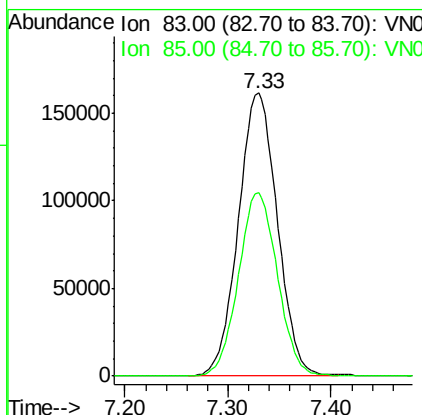
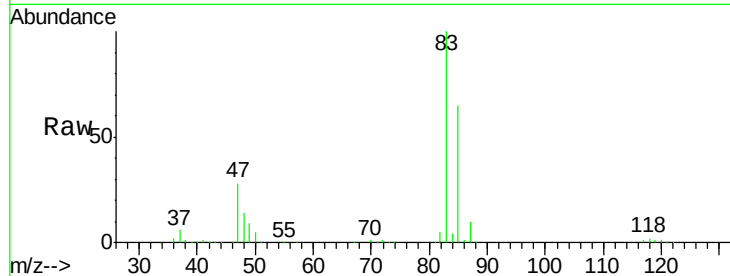
#25
Chloroform
Concen: 146.939 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	424557
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	53.8	80.8

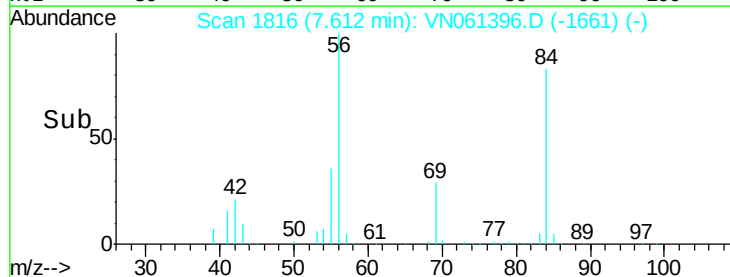
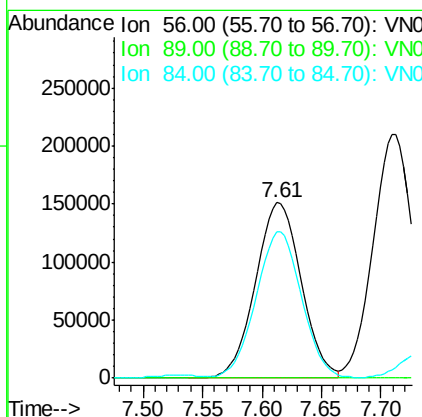
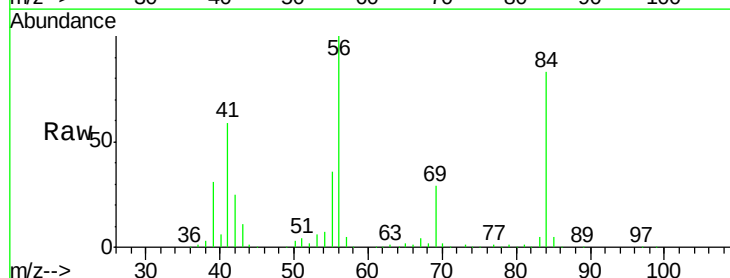
Manual Integrations
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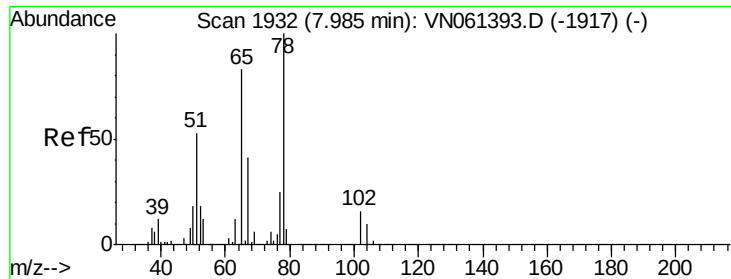
MMDadoda
5/15/2020 2:10:46 PM



#26
Cyclohexane
Concen: 140.052 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	56	Resp	402323
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	6.2	9.2#
84	83.3	65.6	98.4





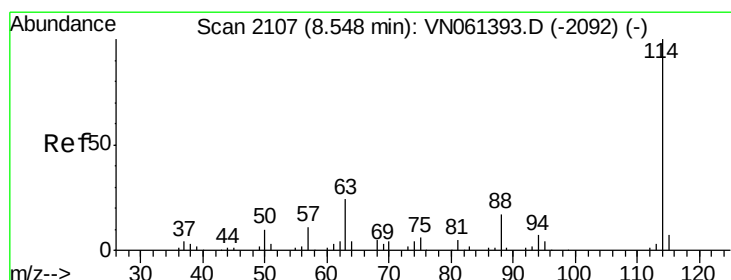
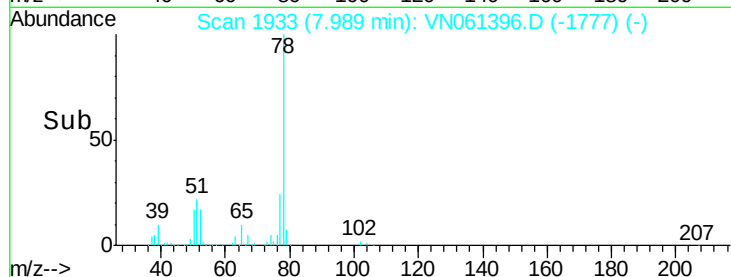
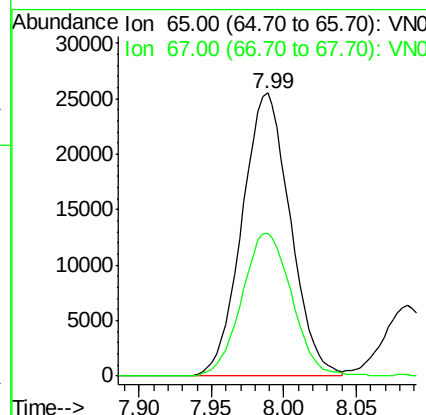
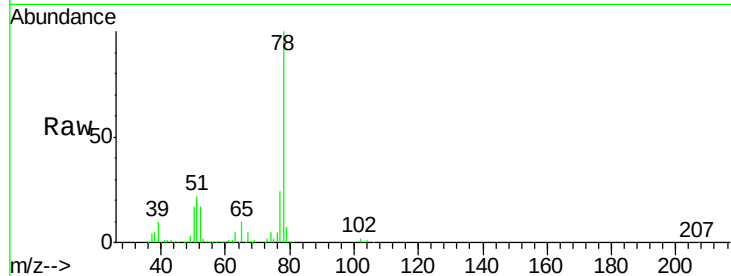
#27
 1,2-Dichloroethane-d4
 Concen: 29.045 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.5	62.3

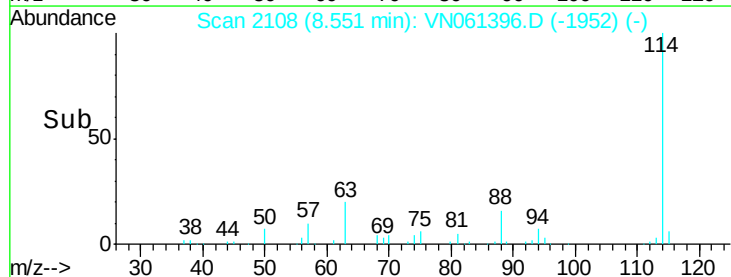
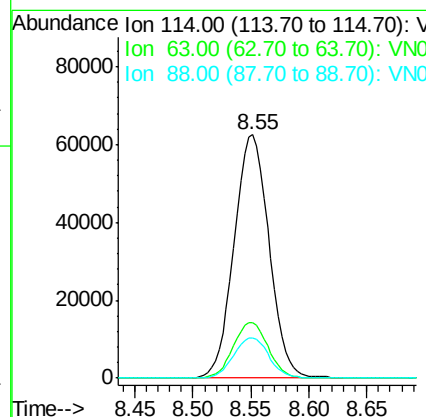
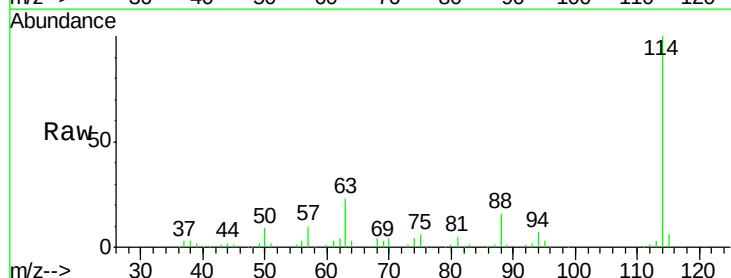
Manual Integrations
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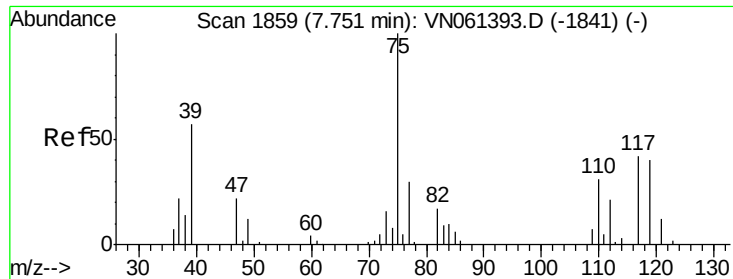
MMDadoda
 5/15/2020 2:10:46 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.1	27.1
88	16.6	13.0	19.4





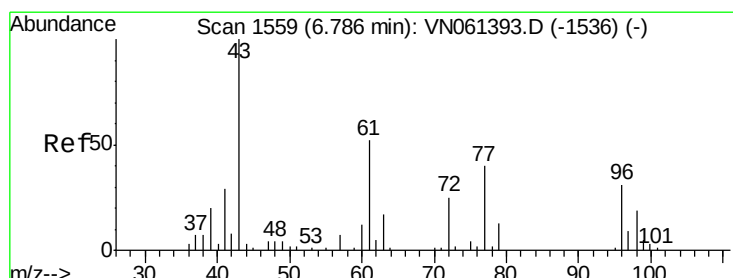
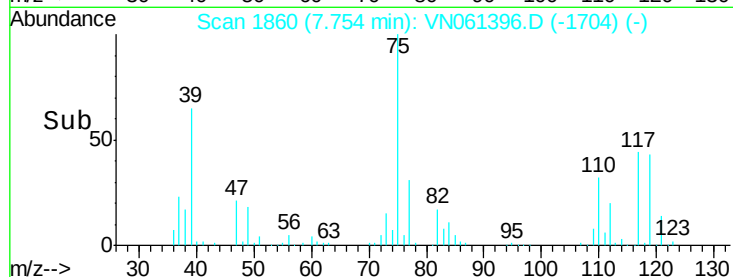
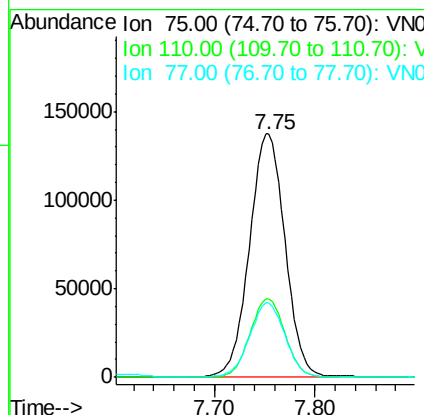
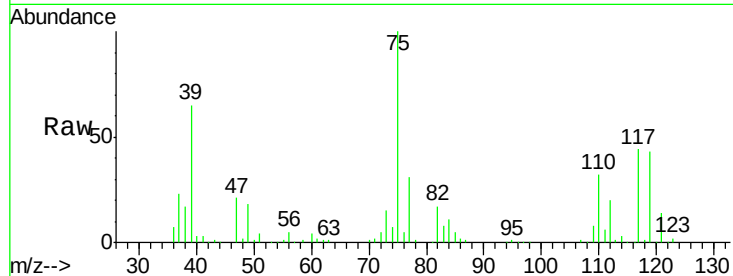
#29
 1,1-Dichloropropene
 Concen: 145.658 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.8	0.0	64.6
77	30.7	0.0	60.8

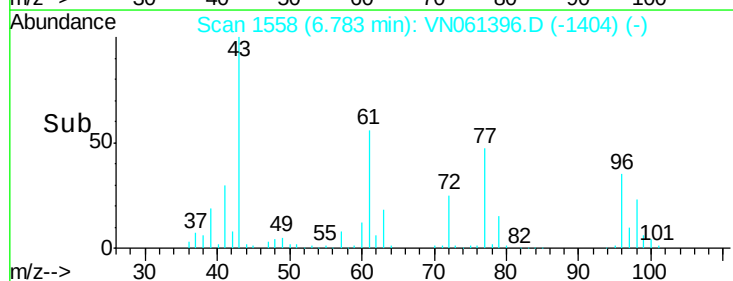
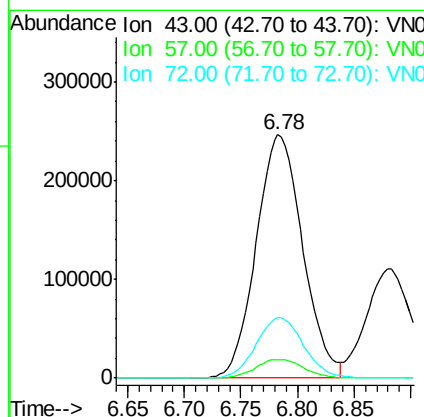
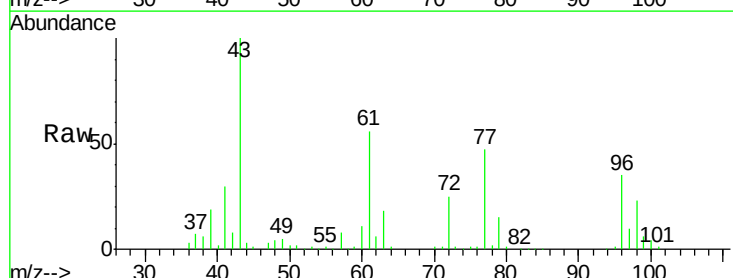
Manual Integrations
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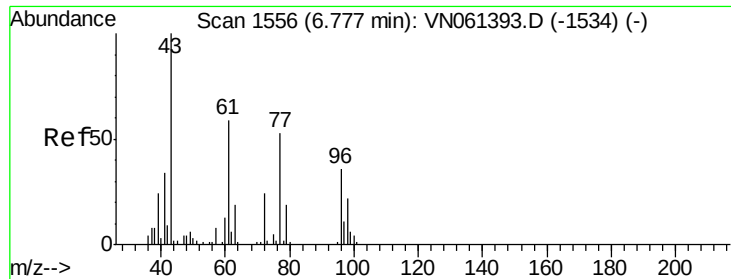
MMDadoda
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#30
 2-Butanone
 Concen: 714.470 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.5	20.1	30.1





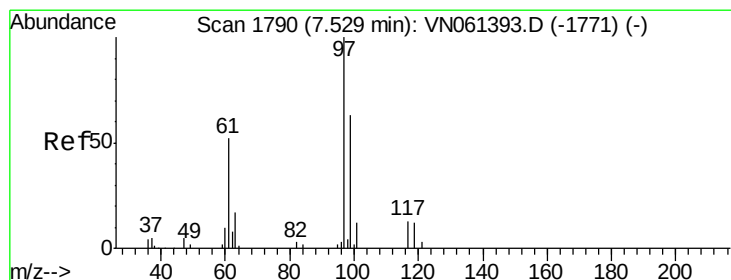
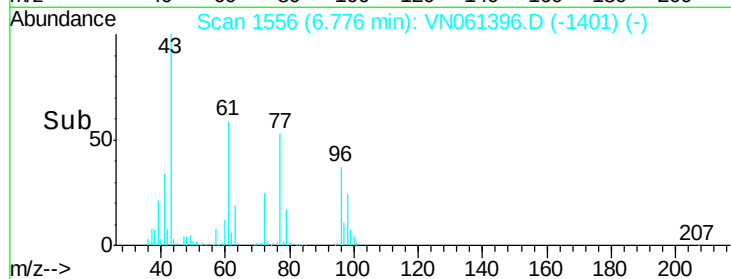
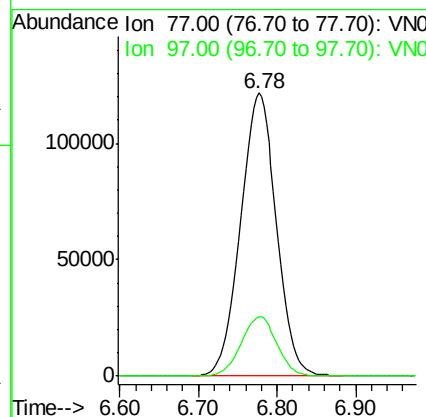
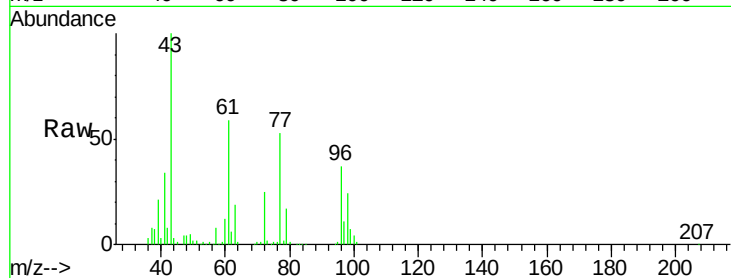
#31
 2,2-Dichloropropane
 Concen: 143.311 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
97	21.1	17.9	26.9	

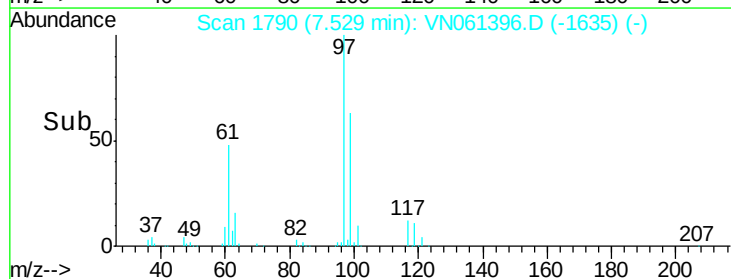
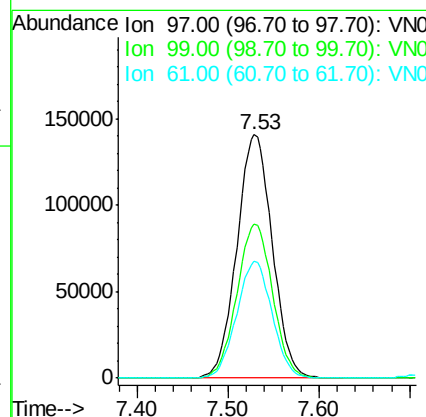
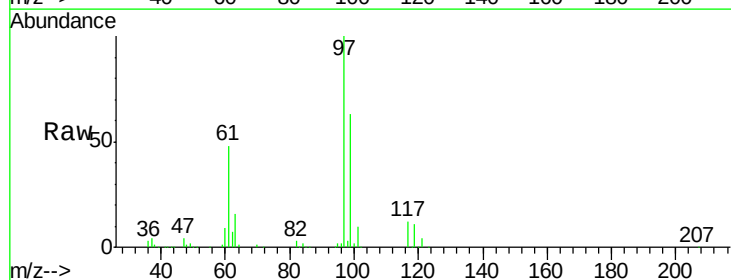
Manual Integrations
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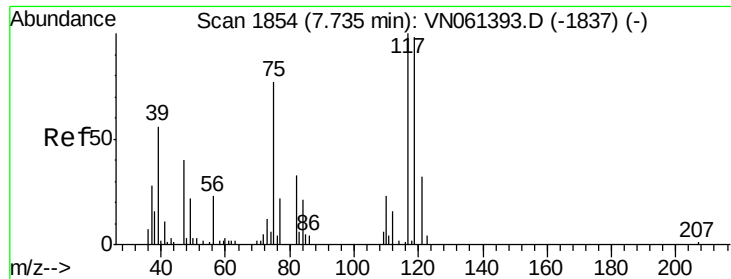
MMDadoda
 5/15/2020 2:10:46 PM



#32
 1,1,1-Trichloroethane
 Concen: 148.110 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	63.7	51.3	76.9	
61	48.2	38.4	57.6	





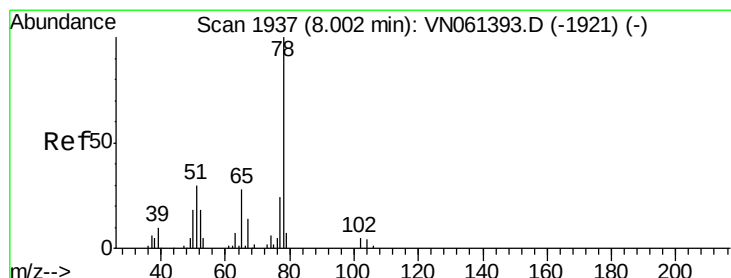
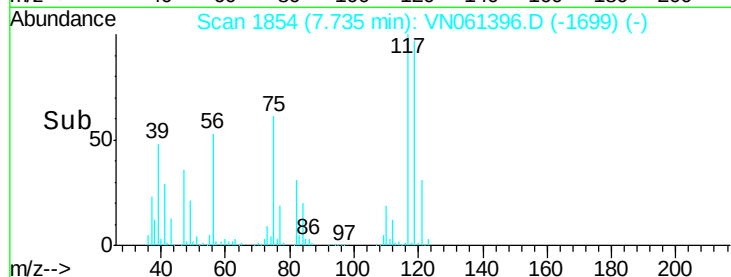
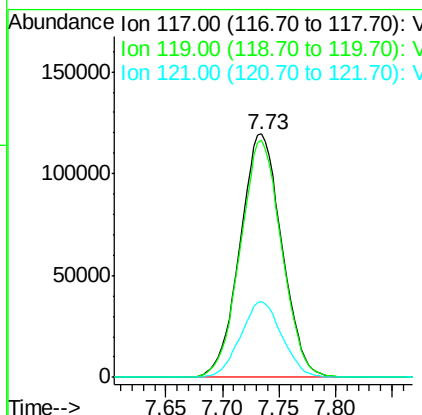
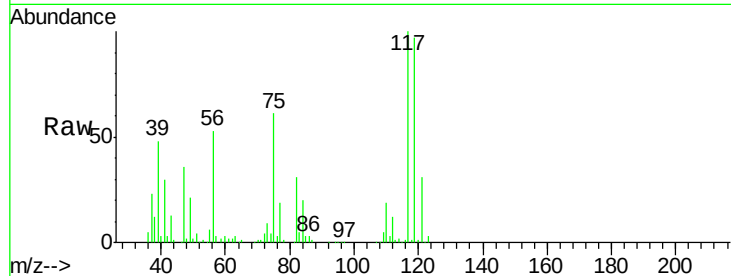
#33
Carbon Tetrachloride
Concen: 157.277 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.9	115.3
121	31.0	23.8	35.8

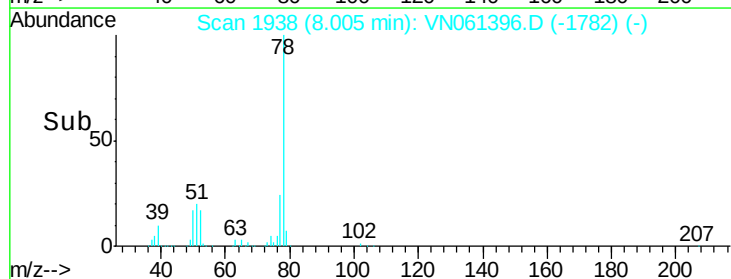
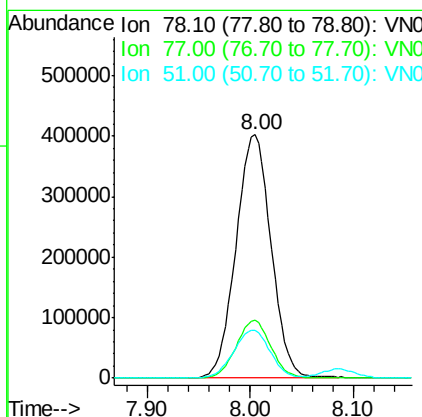
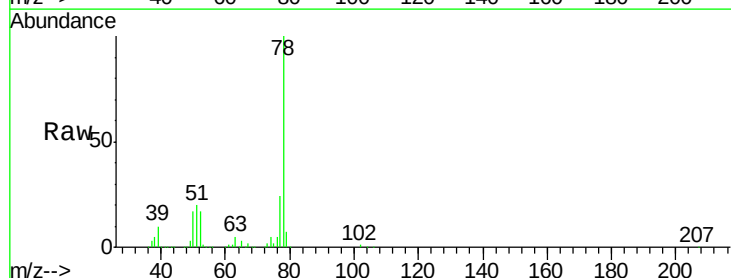
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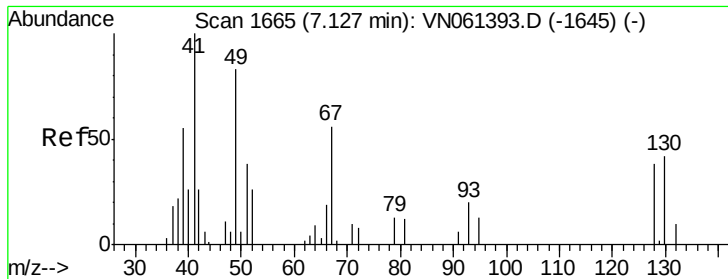
MMDadoda
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#34
Benzene
Concen: 146.180 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8
51	19.5	22.1	33.1#





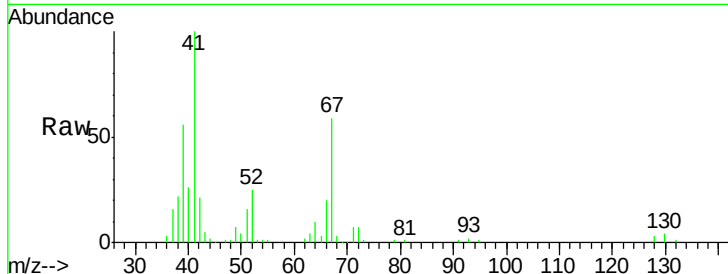
#35
Methacrylonitrile
Concen: 142.527 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

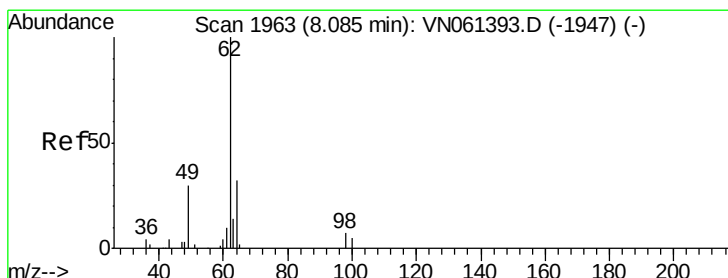
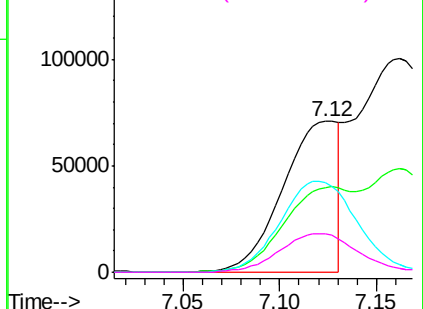
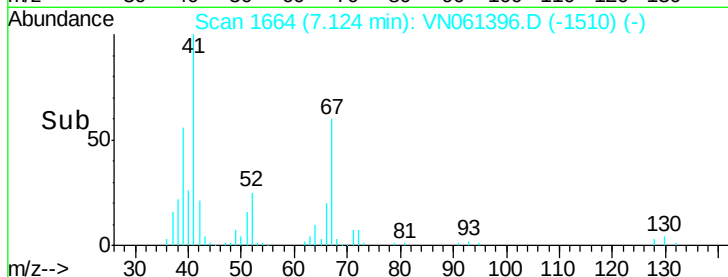
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140149		
39	55.8	25.8	77.4		
67	59.5	23.0	69.0		
52	25.4	10.1	30.1		

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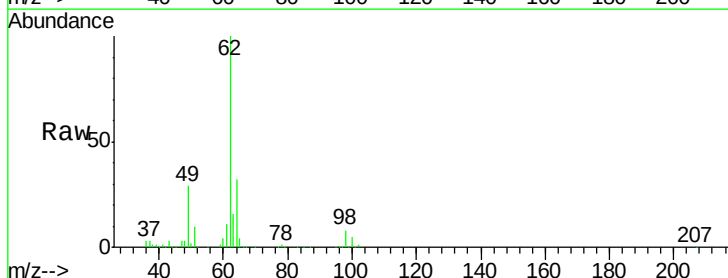


Abundance Ion 41.00 (40.70 to 41.70): VN061396.D (-1510) (-)
Ion 39.00 (38.70 to 39.70): VN061396.D (-1510) (-)
Ion 67.00 (66.70 to 67.70): VN061396.D (-1510) (-)
Ion 52.00 (51.70 to 52.70): VN061396.D (-1510) (-)

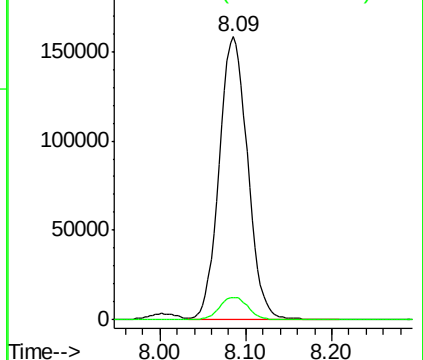
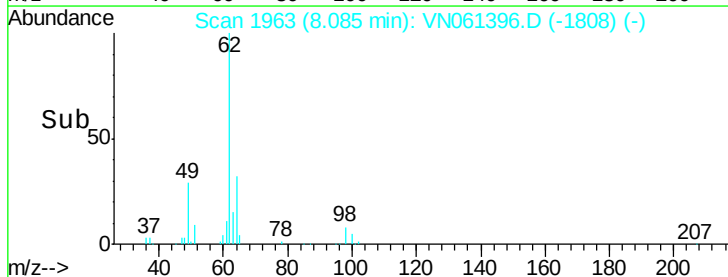


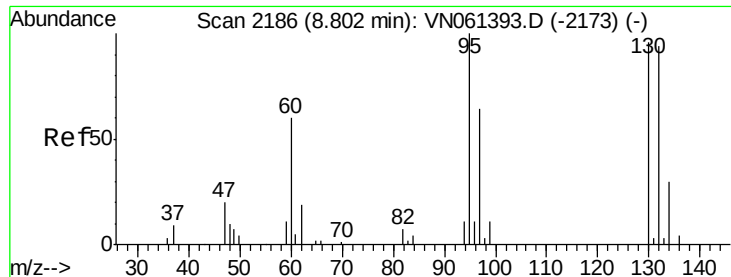
#36
1,2-Dichloroethane
Concen: 144.923 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		363584		
98	8.1	6.4	9.6		



Abundance Ion 62.00 (61.70 to 62.70): VN061396.D (-1808) (-)
Ion 98.00 (97.70 to 98.70): VN061396.D (-1808) (-)





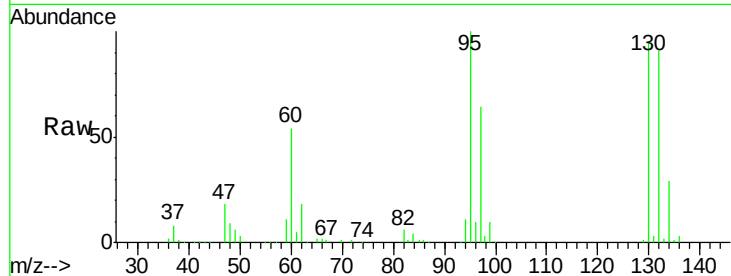
#37
 Trichloroethene
 Concen: 151.521 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

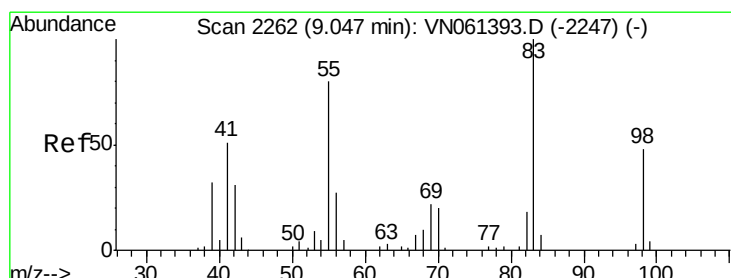
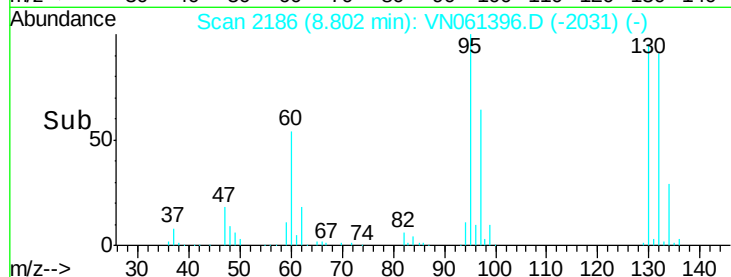
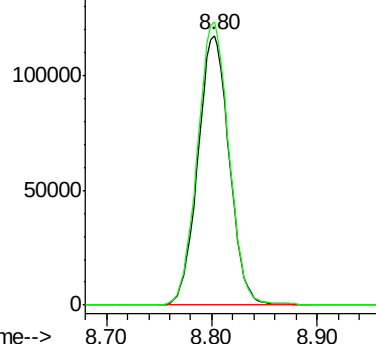
Tot Ion:130 Resp: 241689
 Ion Ratio Lower Upper
 130 100
 95 104.9 83.2 124.8

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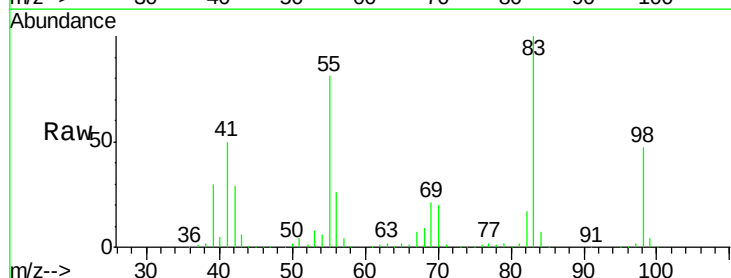


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

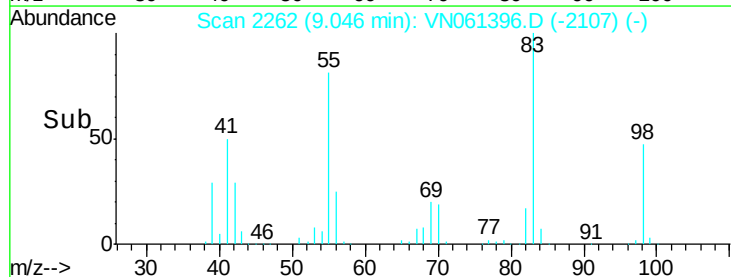
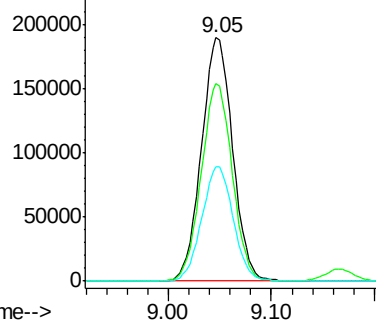


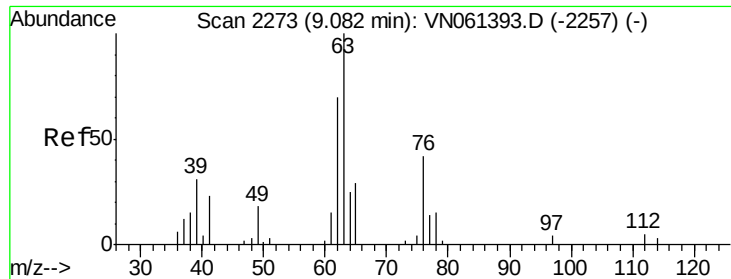
#38
 Methylcyclohexane
 Concen: 144.276 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 83 Resp: 400453
 Ion Ratio Lower Upper
 83 100
 55 80.3 40.4 121.1
 98 47.4 21.6 65.0



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





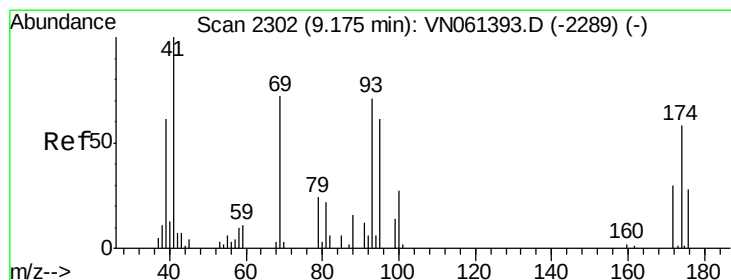
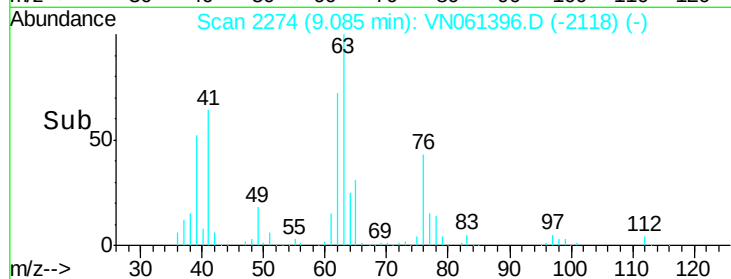
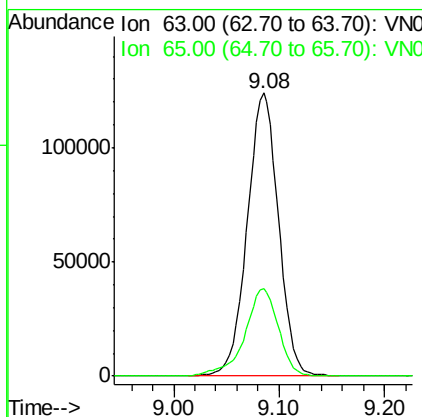
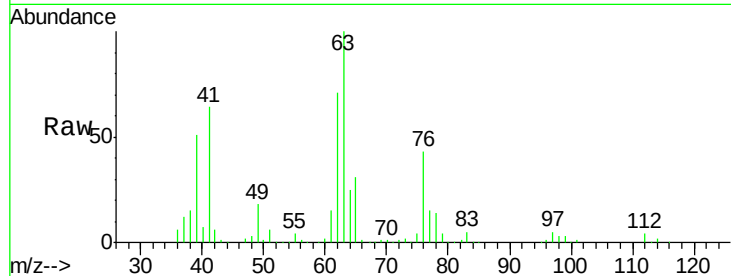
#39
 1,2-Dichloropropane
 Concen: 141.819 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.8	35.6

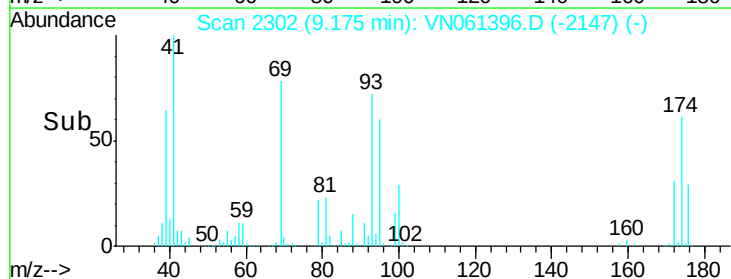
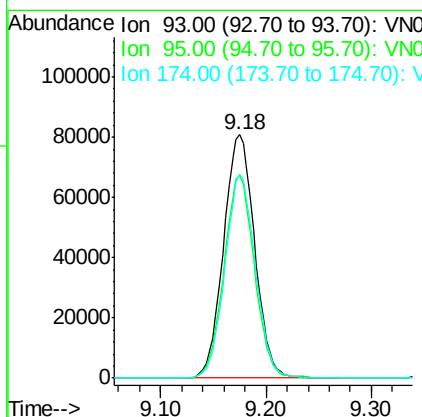
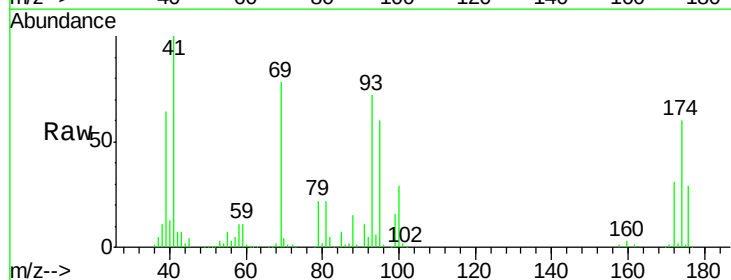
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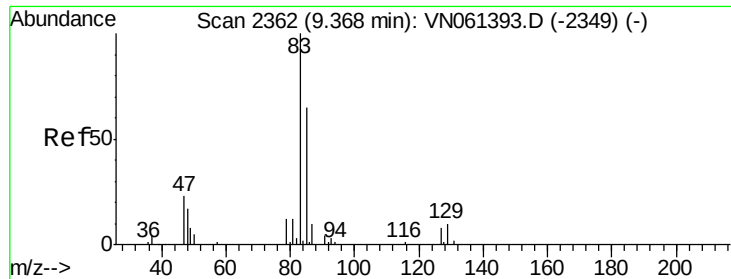
MMDadoda
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#40
 Dibromomethane
 Concen: 149.236 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	0.0	167.6
174	81.8	0.0	187.2





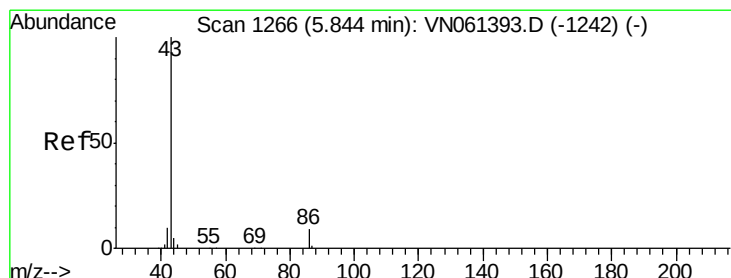
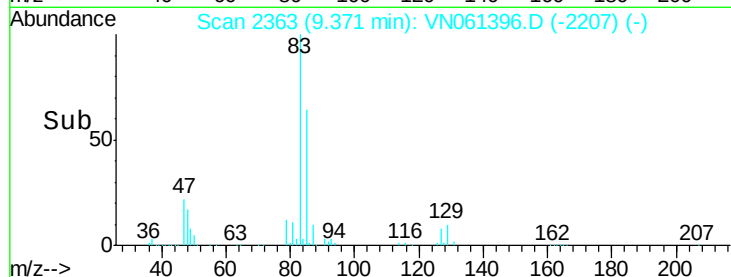
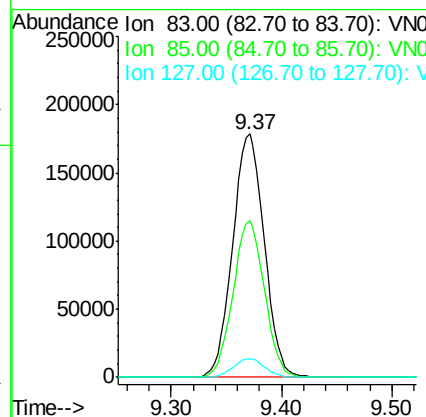
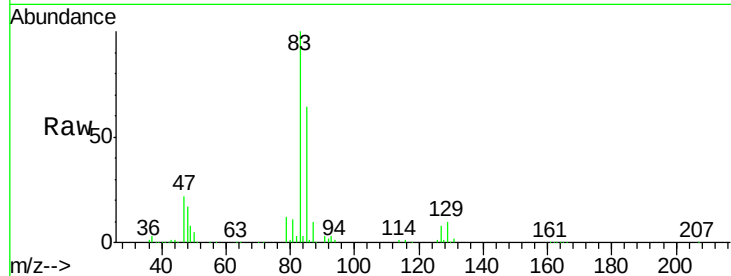
#41
Bromodichloromethane
Concen: 148.065 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	354966
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.0	76.4
127	7.8	6.6	9.8

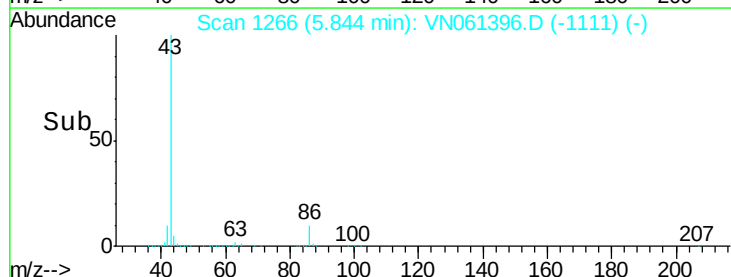
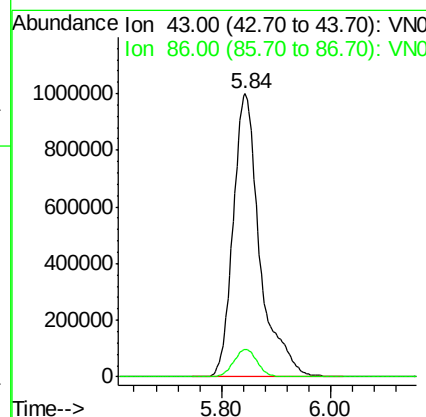
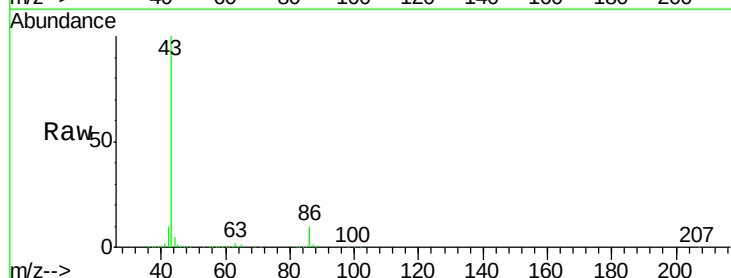
Manual Integrations
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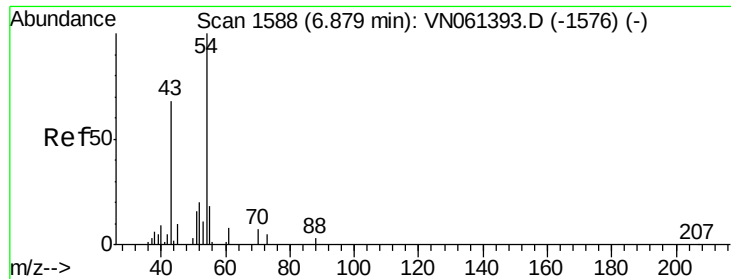
MMDadoda
5/15/2020 2:10:46 PM



#42
Vinyl Acetate
Concen: 731.544 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	43	Resp	3388555
Ion Ratio	100	Lower	Upper
43	100		
86	8.6	6.5	9.7





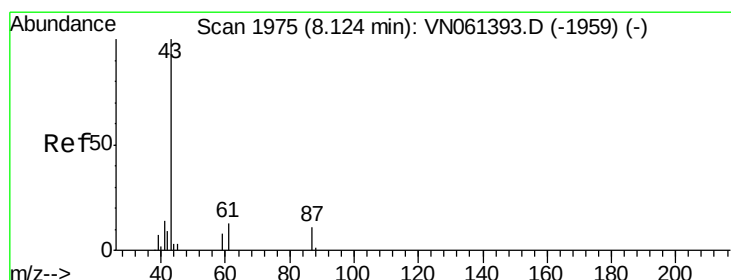
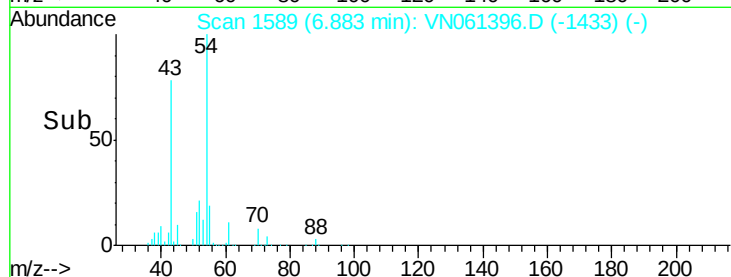
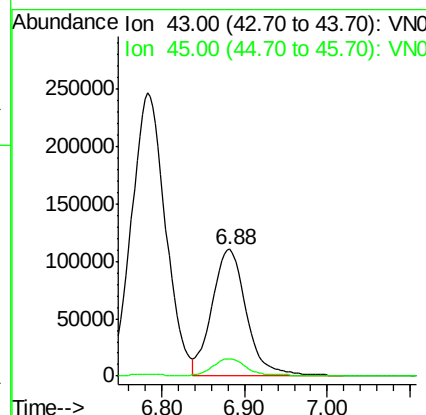
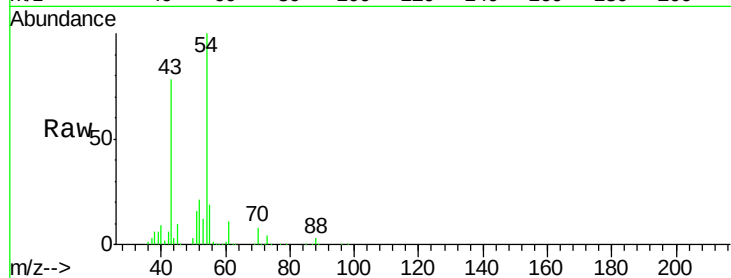
#43
Ethyl Acetate
Concen: 152.754 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 315533
Ion Ratio Lower Upper
43 100
45 14.6 9.7 14.5#

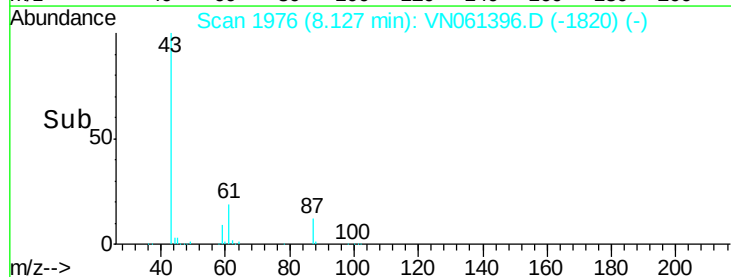
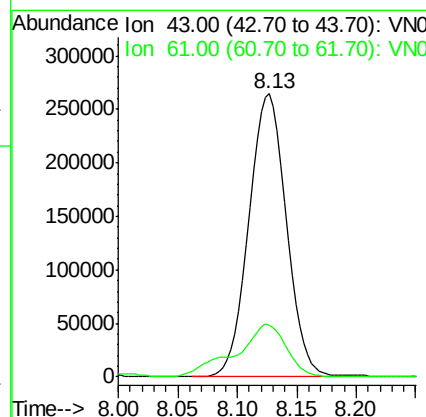
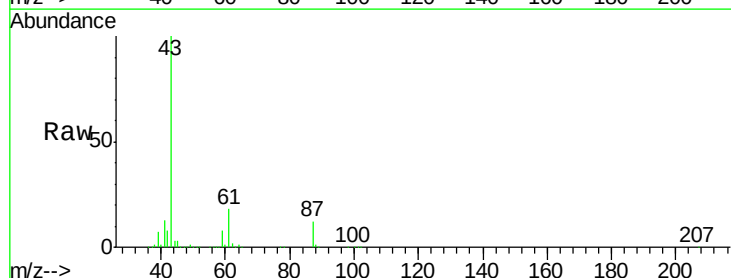
Manual Integrations
APPROVED

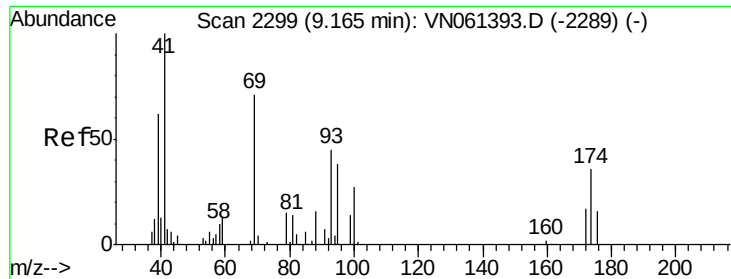
MMDadoda
5/15/2020 2:10:46 PM



#44
Isopropyl Acetate
Concen: 141.496 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 43 Resp: 576093
Ion Ratio Lower Upper
43 100
61 25.2 19.9 29.9





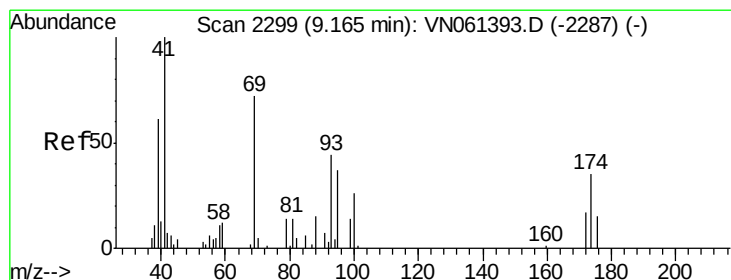
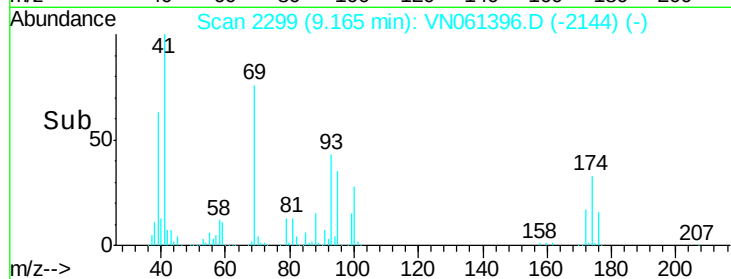
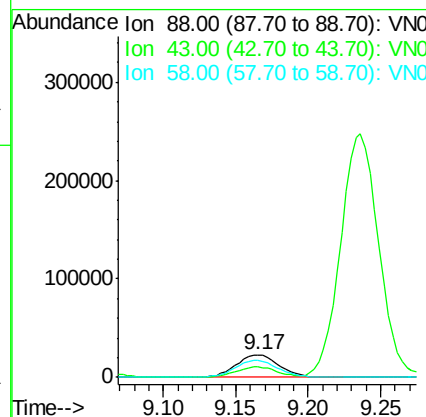
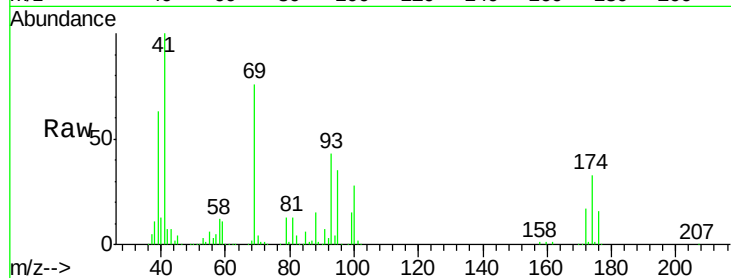
#45
1,4-Dioxane
Concen: 2971.441 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.4	29.8	44.8
58	75.0	58.2	87.4

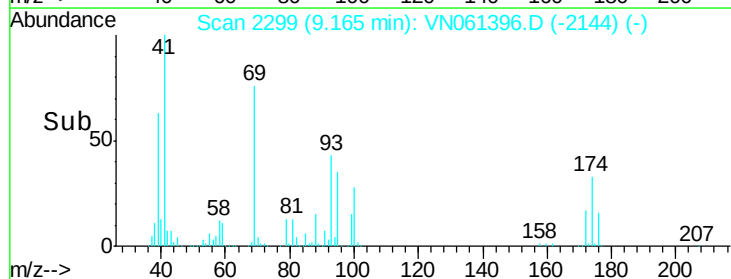
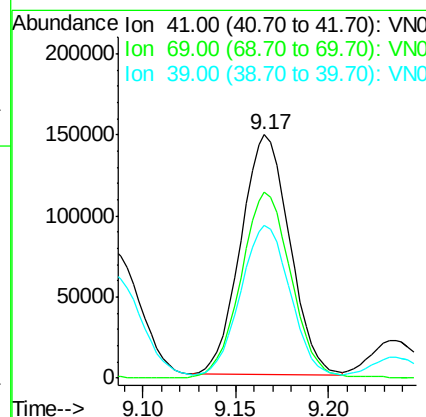
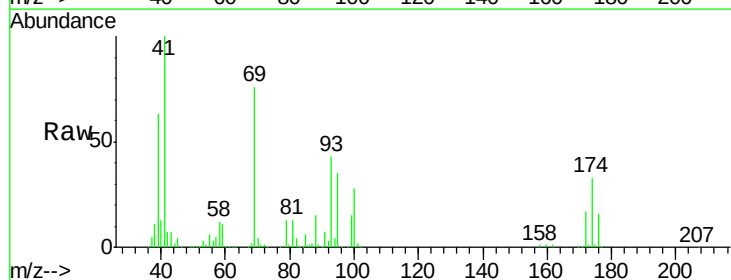
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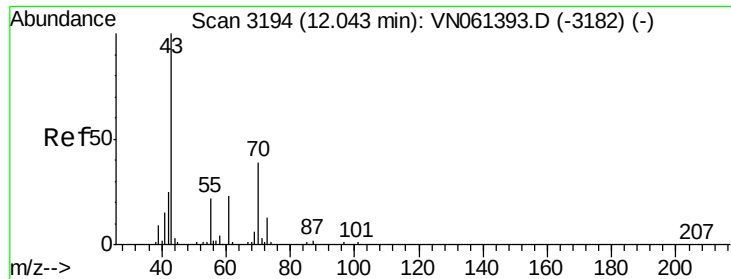
MMDadoda
5/15/2020 2:10:46 PM



#46
Methyl methacrylate
Concen: 141.732 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.9	40.2	120.5
39	62.3	29.9	89.8





#47

n-amvl Acetate

Concen: 151.198 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 541981

Ion Ratio Lower Upper

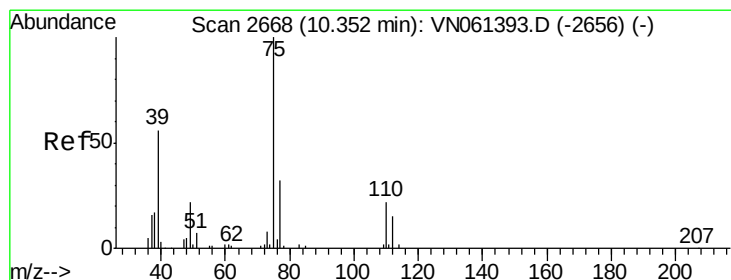
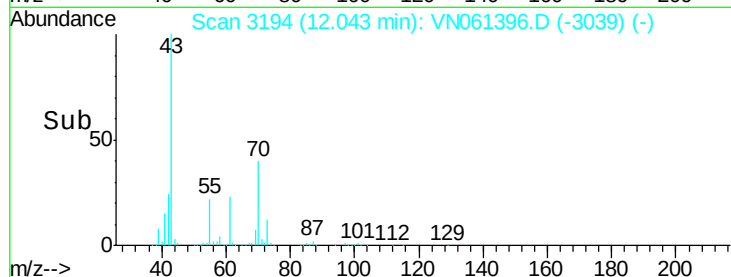
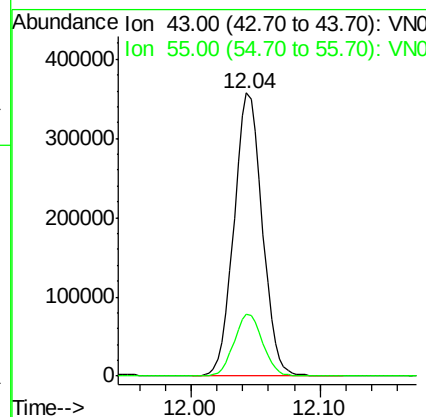
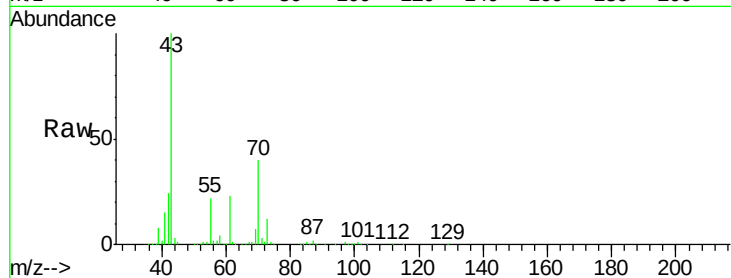
43 100

55 22.1 19.6 29.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 151.100 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061396.D

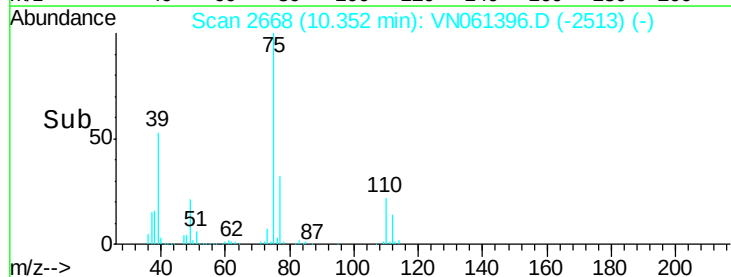
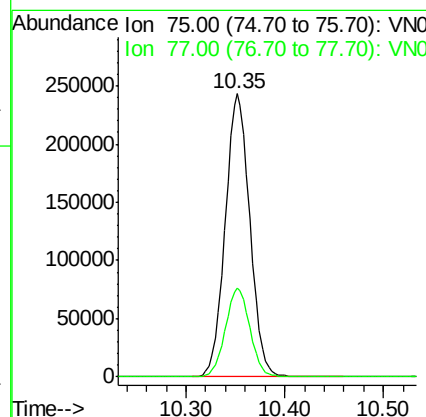
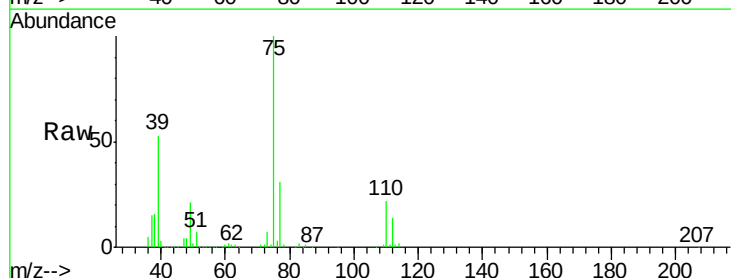
Acq: 14 May 2020 15:46

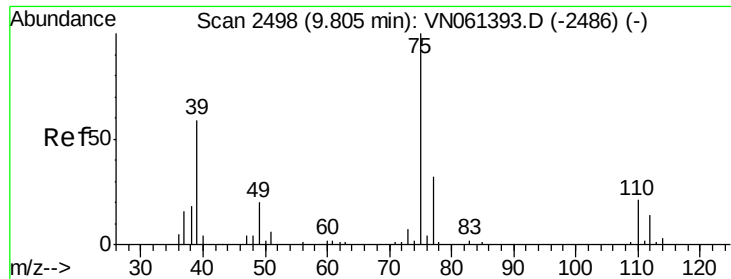
Tgt Ion: 75 Resp: 425749

Ion Ratio Lower Upper

75 100

77 31.5 27.0 40.4





#49

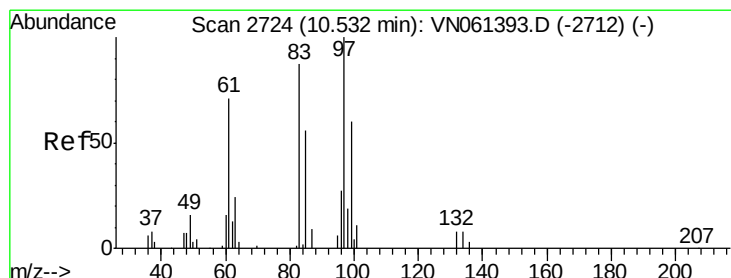
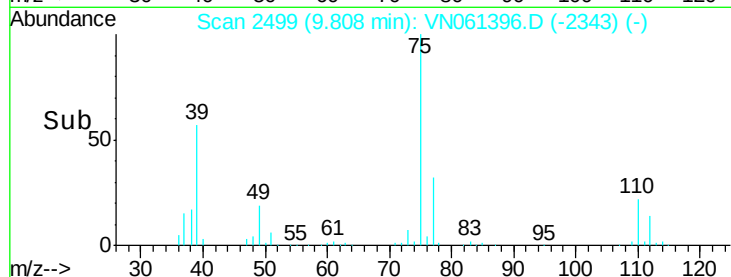
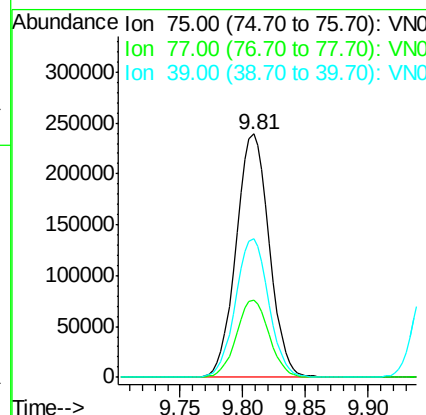
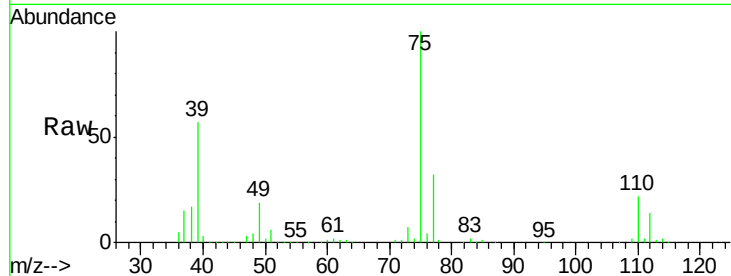
cis-1,3-Dichloropropene
 Concen: 146.612 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	439589
Ion Ratio	Lower	Upper	
75	100		
77	31.9	26.1	39.1
39	56.8	43.1	64.7

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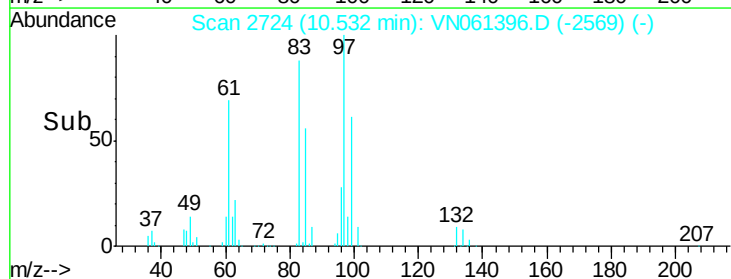
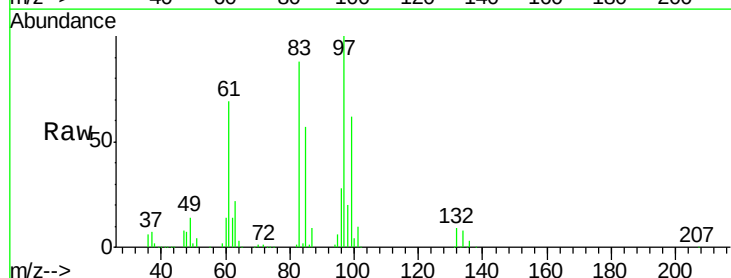
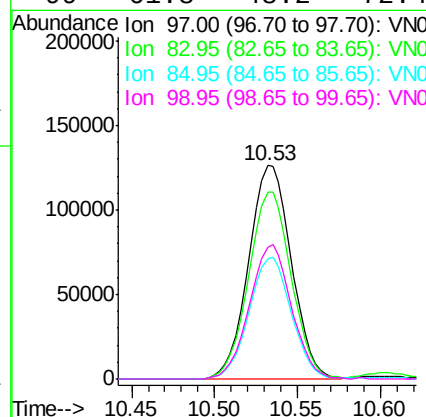
MMDadoda
 5/15/2020 2:10:46 PM

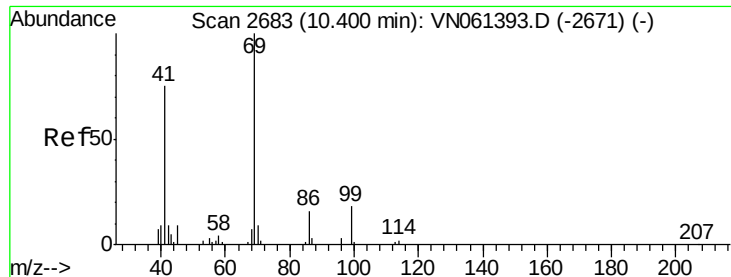


#50

1,1,2-Trichloroethane
 Concen: 148.409 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion:	97	Resp:	226665
Ion Ratio	Lower	Upper	
97	100		
83	87.5	70.7	106.1
85	56.6	45.1	67.7
99	61.8	48.2	72.4





#51

Ethyl methacrylate

Concen: 148.951 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

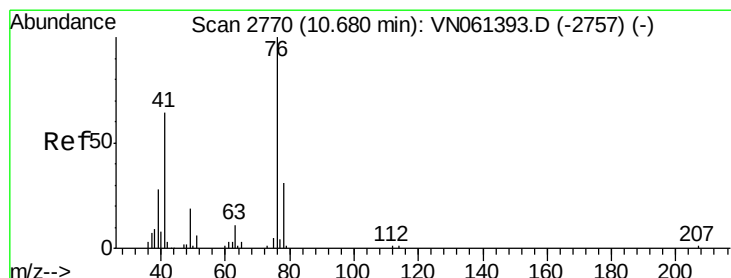
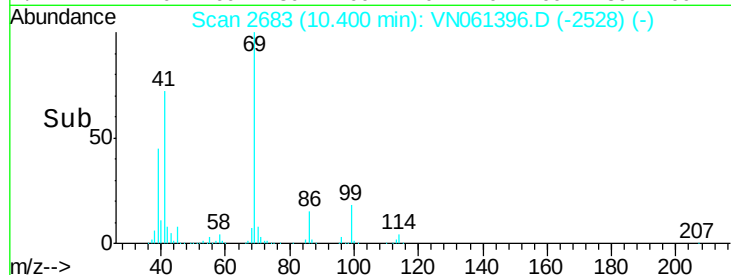
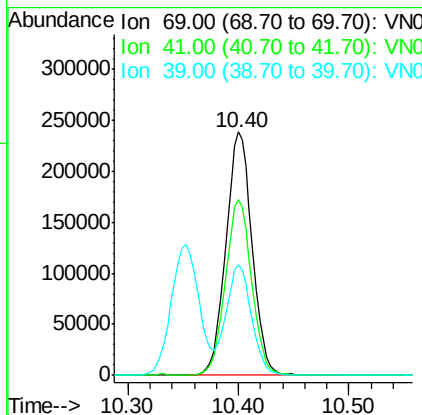
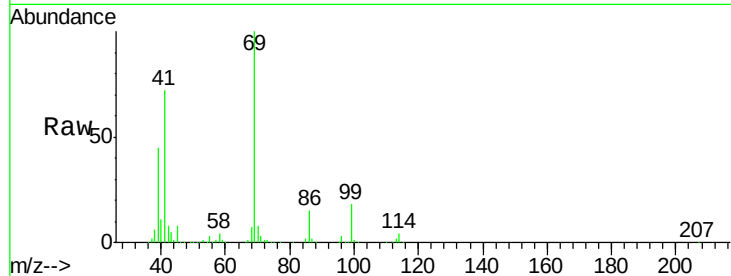
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	391643
Ion	Ratio	Lower	Upper
69	100		
41	71.9	34.7	104.1
39	45.0	20.3	60.8

Manual Integrations
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5/15/2020 2:10:46 PM



#52

1,3-Dichloropropane

Concen: 147.137 ug/l

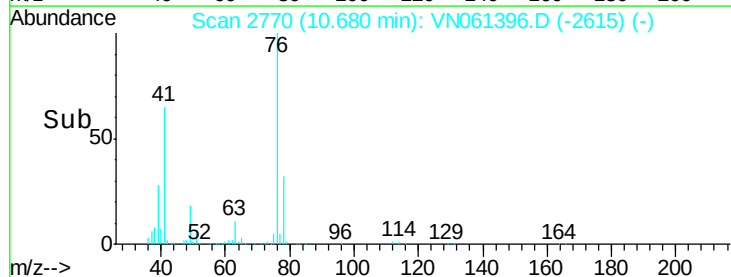
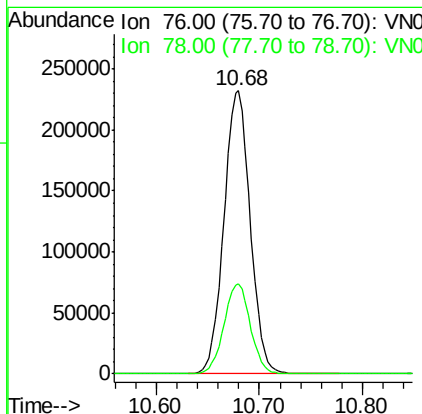
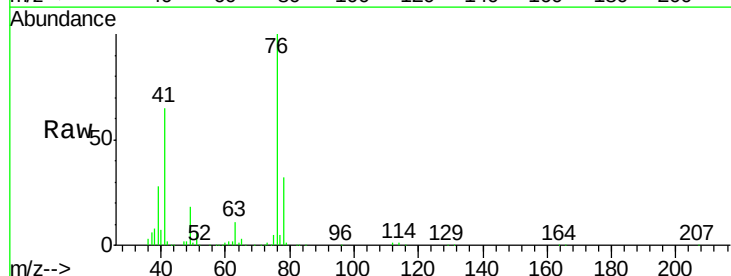
RT: 10.68 min Scan# 2770

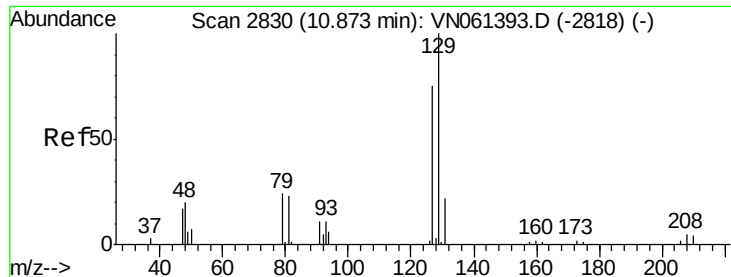
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	76	Resp:	411035
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.2





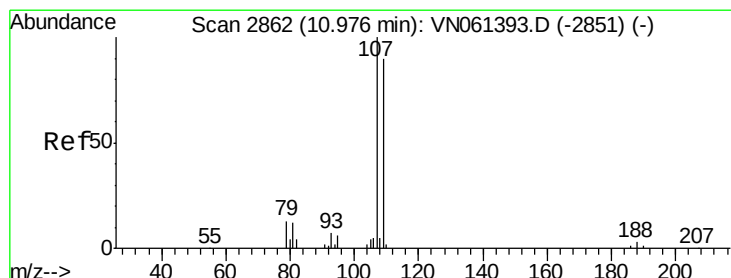
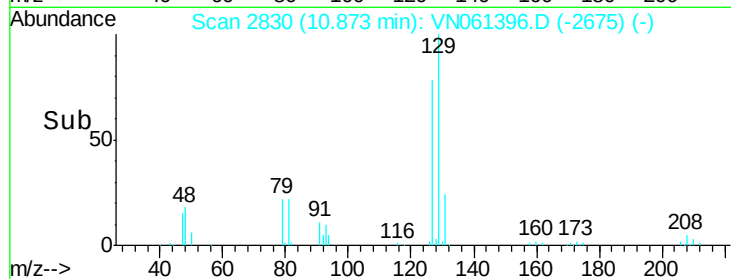
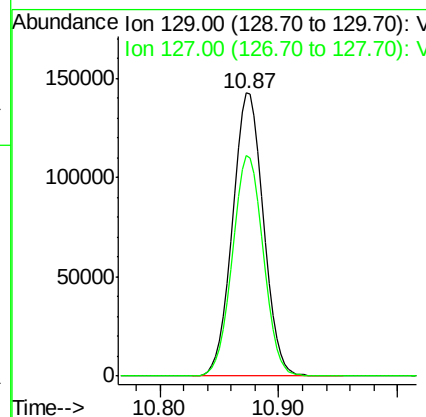
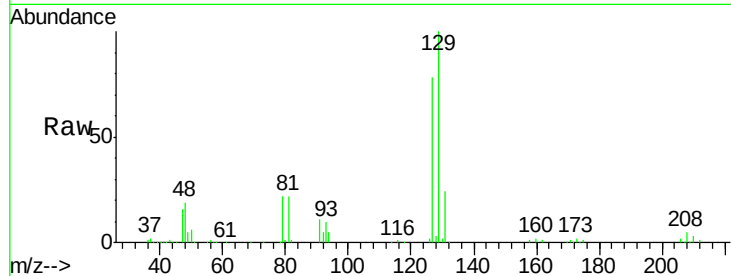
#53
Dibromochloromethane
Concen: 155.050 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.5

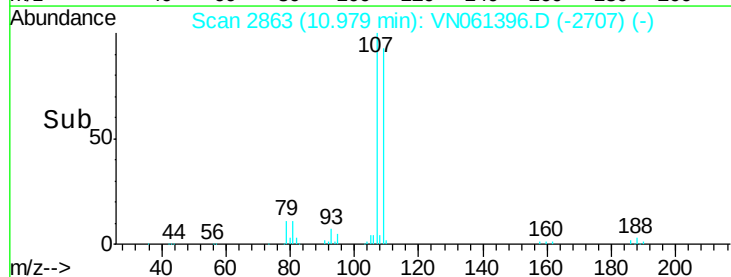
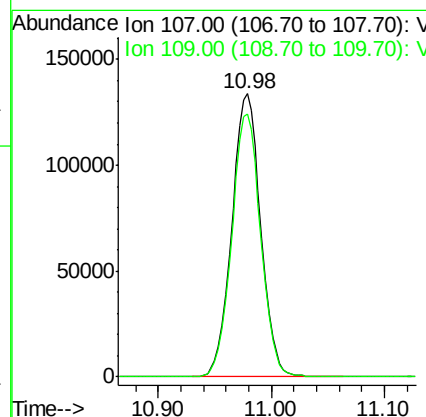
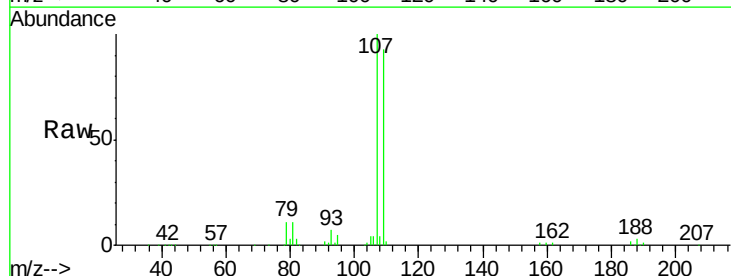
Manual Integrations
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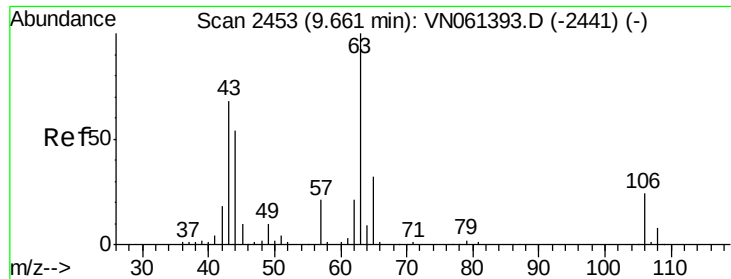
MMDadoda
5/15/2020 2:10:46 PM



#54
1,2-Dibromoethane
Concen: 150.311 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.2	114.4





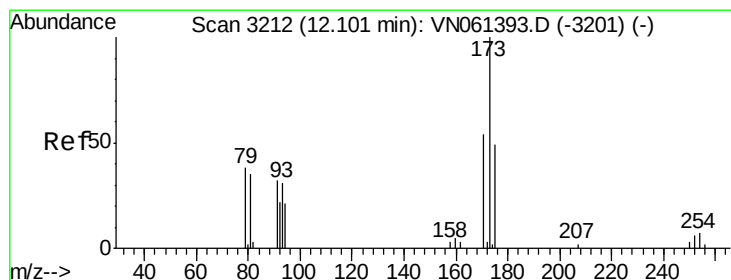
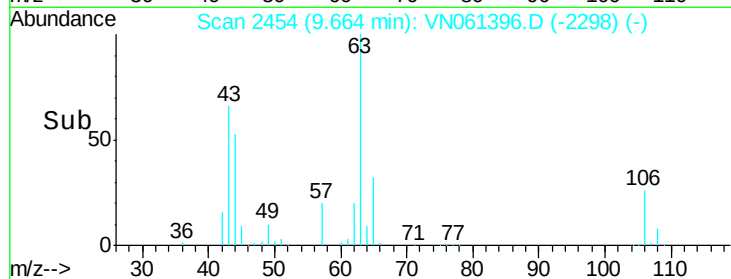
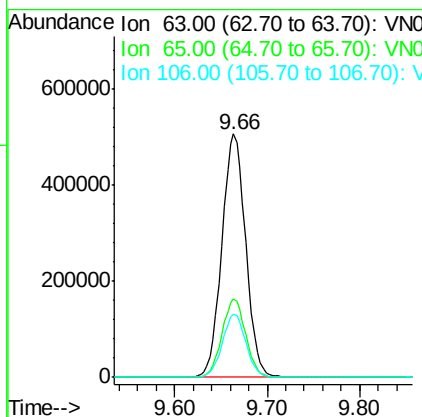
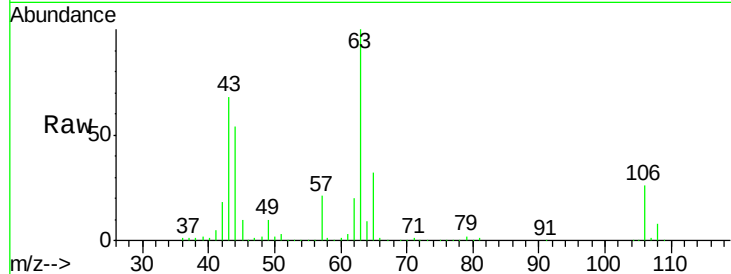
#55
2-Chloroethyl vinyl ether
Concen: 779.709 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.3	37.9
106	25.8	19.8	29.6

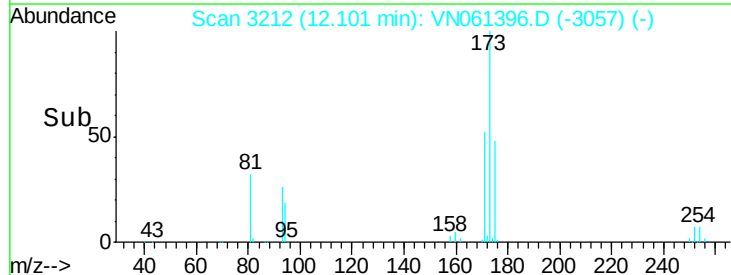
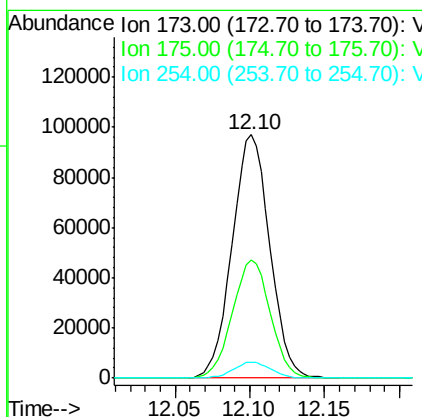
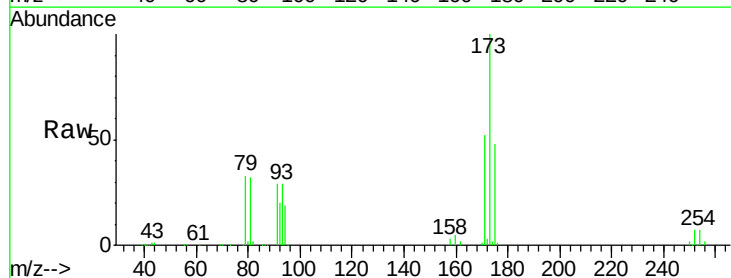
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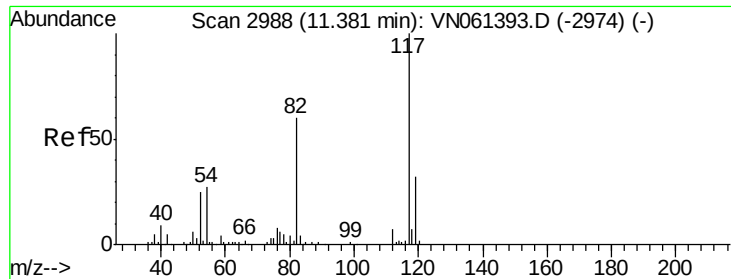
MMDadoda
5/15/2020 2:10:46 PM



#56
Bromoform
Concen: 164.733 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.7	58.1
254	6.6	7.4	11.2





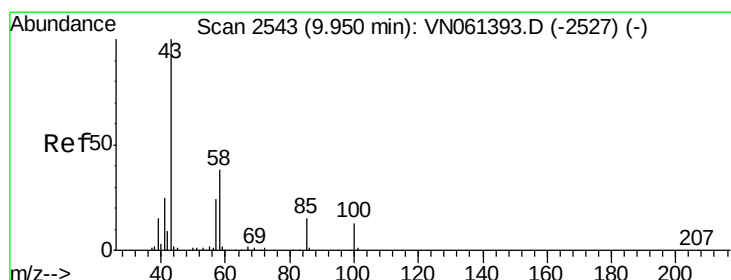
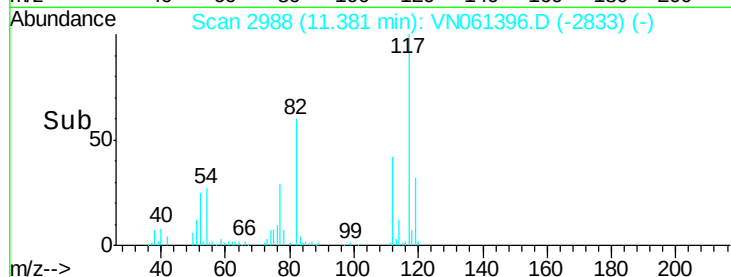
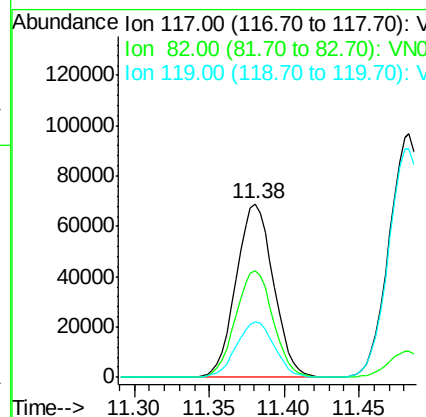
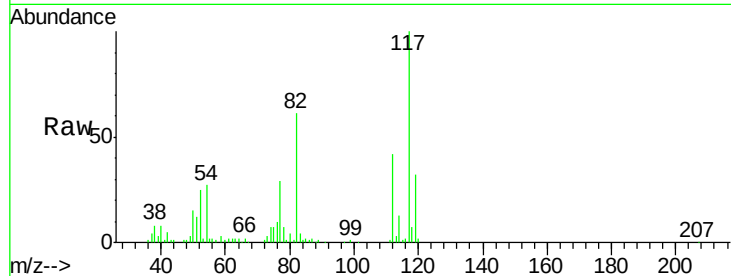
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	46.9	70.3
119	32.4	25.8	38.6

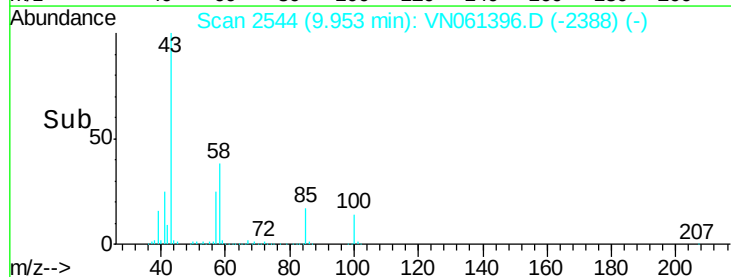
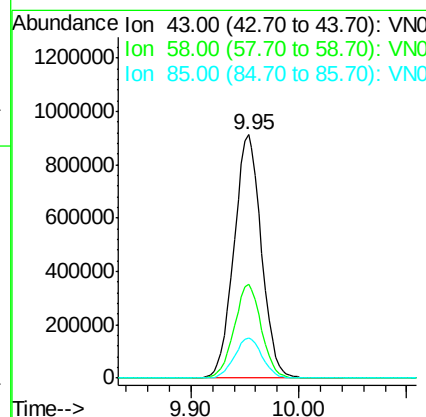
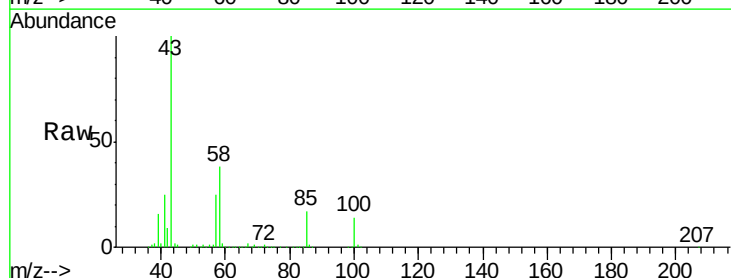
Manual Integrations
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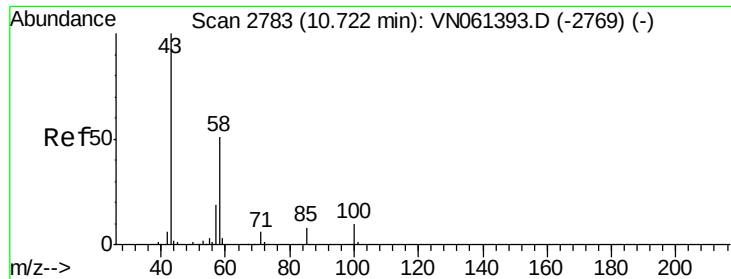
MMDadoda
5/15/2020 2:10:46 PM



#58
4-Methyl-2-Pentanone
Concen: 731.519 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.1	45.1
85	16.5	13.2	19.8





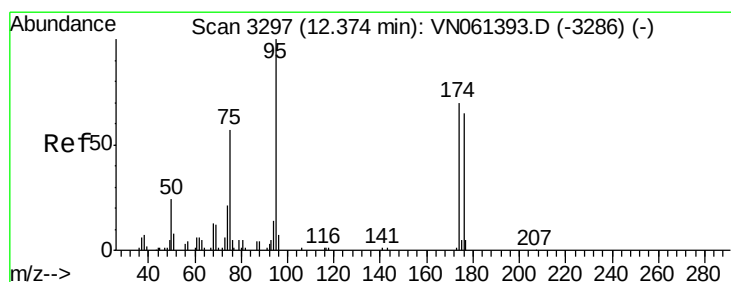
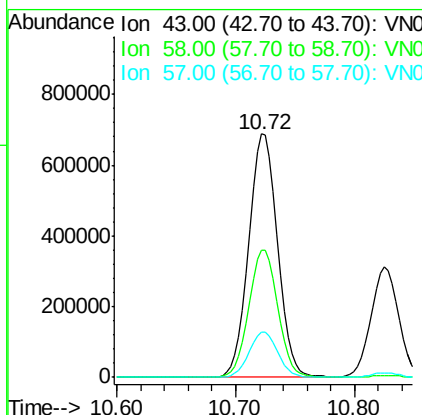
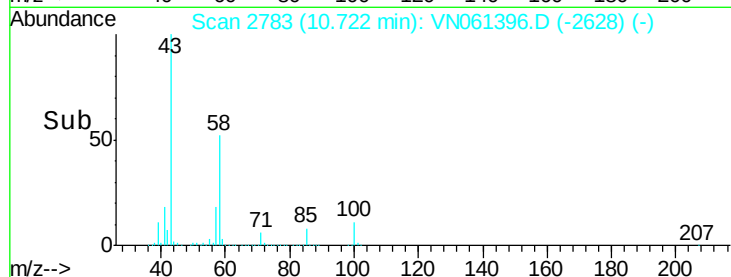
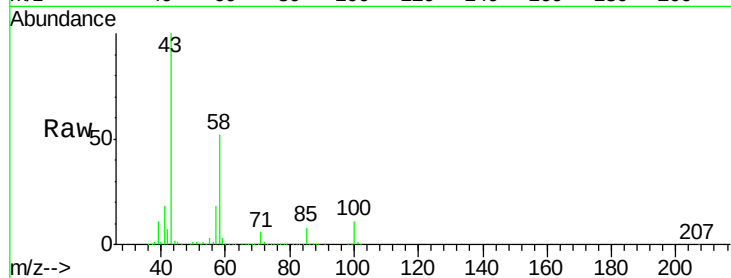
#59
2-Hexanone
Concen: 741.825 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1153301
Ion Ratio Lower Upper
43 100
58 52.7 41.4 62.0
57 18.5 14.7 22.1

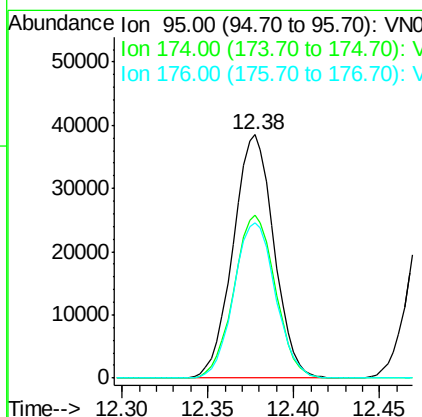
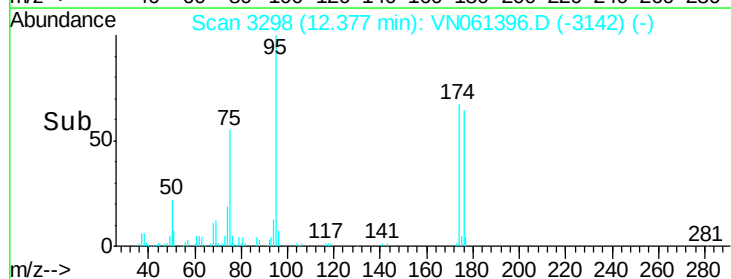
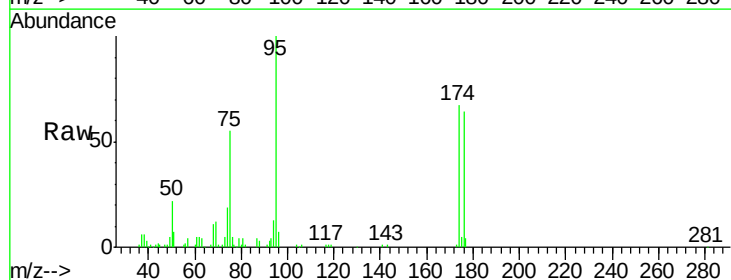
Manual Integrations
APPROVED

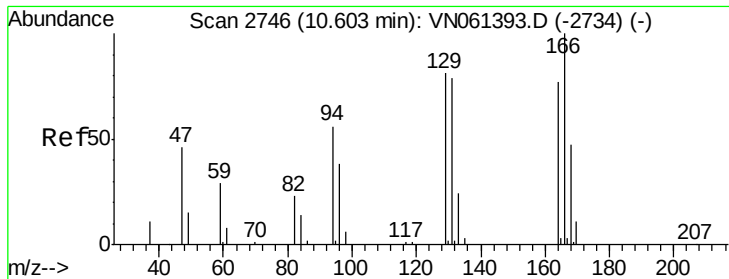
MMDadoda
5/15/2020 2:10:46 PM



#60
4-Bromofluorobenzene
Concen: 31.407 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 95 Resp: 63932
Ion Ratio Lower Upper
95 100
174 67.7 59.9 89.9
176 64.8 58.3 87.5





#61

Tetrachloroethene

Concen: 154.544 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

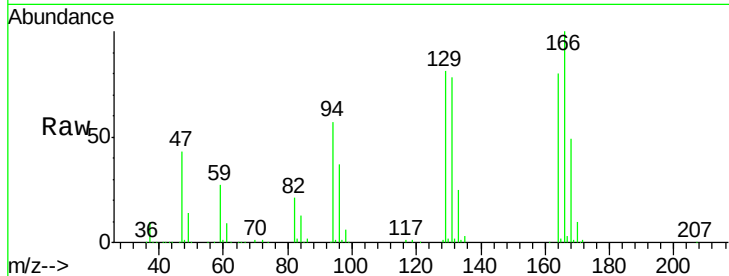
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.4	152.2
129	102.0	78.1	117.1
131	97.0	73.2	109.8

Manual Integrations
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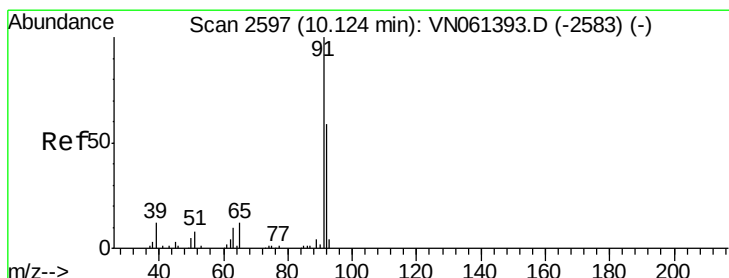
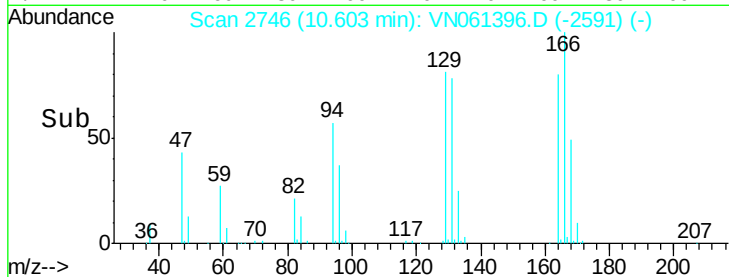
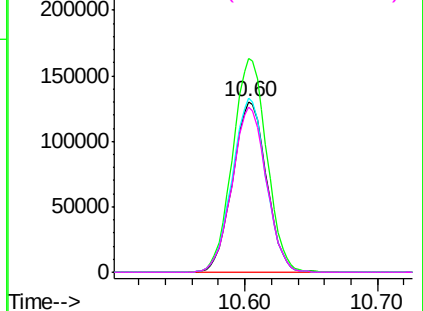


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 151.775 ug/l

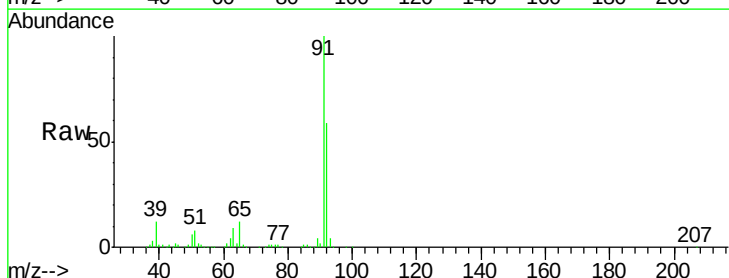
RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061396.D

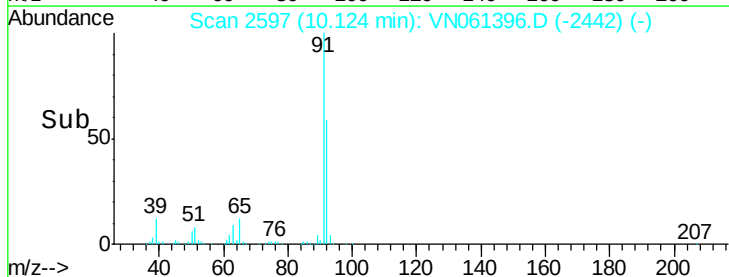
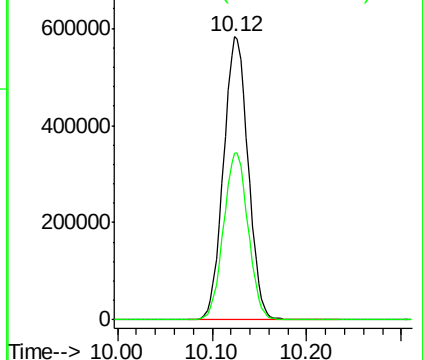
Acq: 14 May 2020 15:46

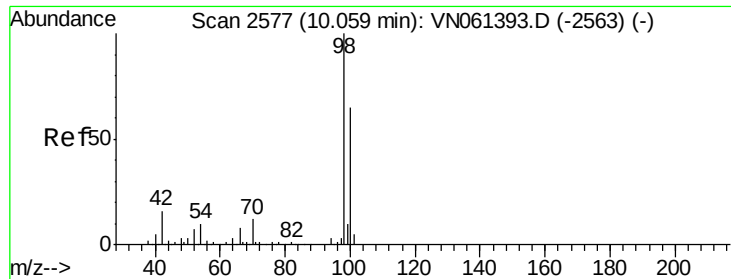
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.811 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 166334

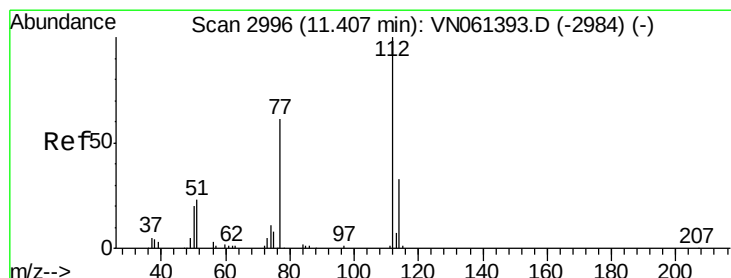
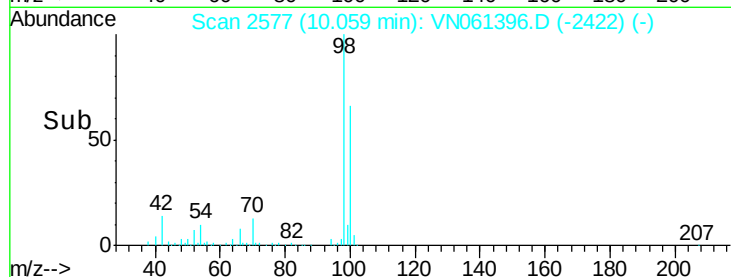
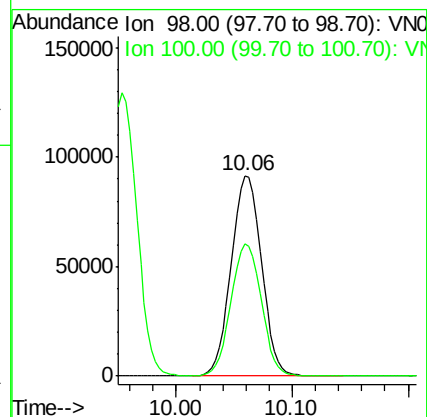
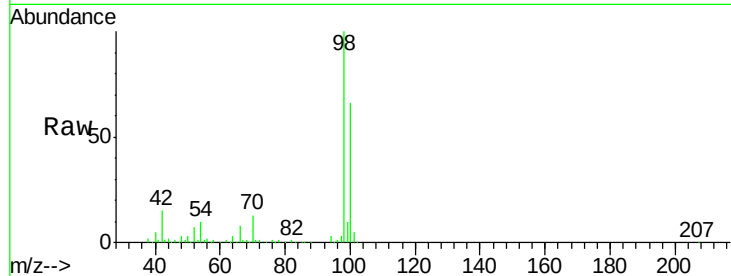
Ion Ratio Lower Upper

98 100

100 65.4 50.6 75.8

Manual Integrations
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#64

Chlorobenzene

Concen: 154.875 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061396.D

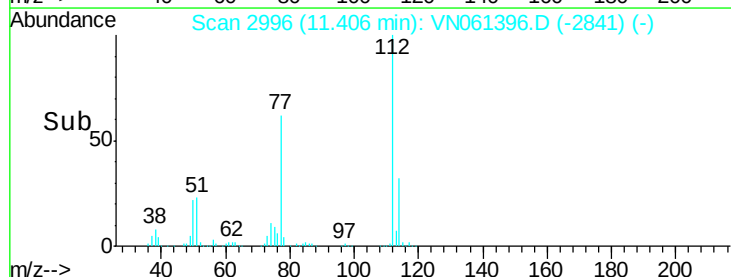
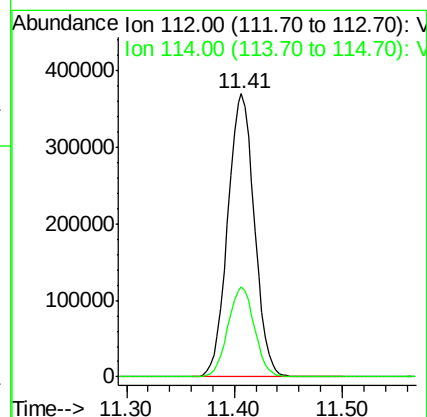
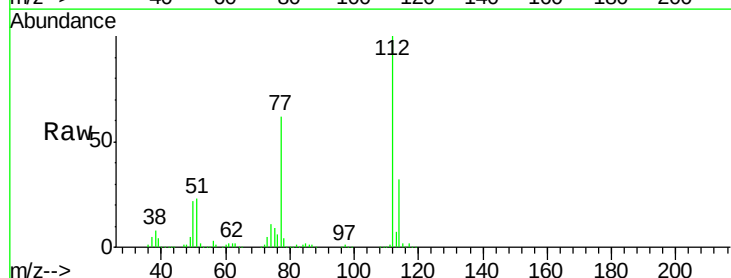
Acq: 14 May 2020 15:46

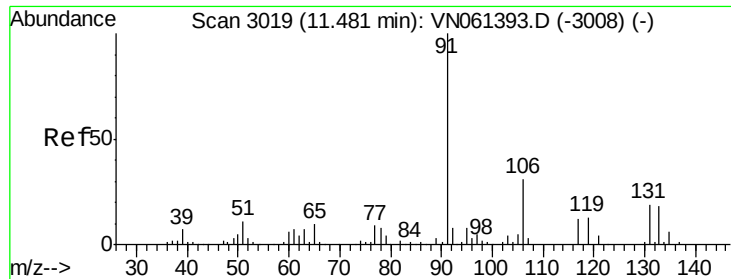
Tgt Ion: 112 Resp: 635568

Ion Ratio Lower Upper

112 100

114 31.7 25.7 38.5





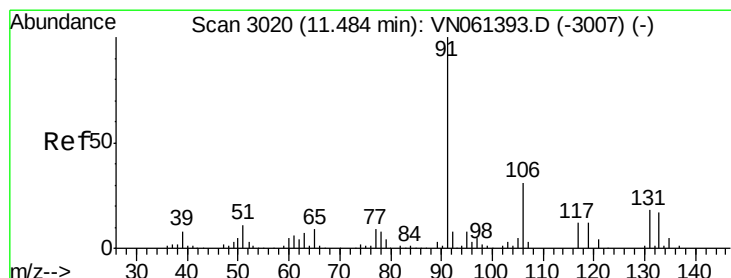
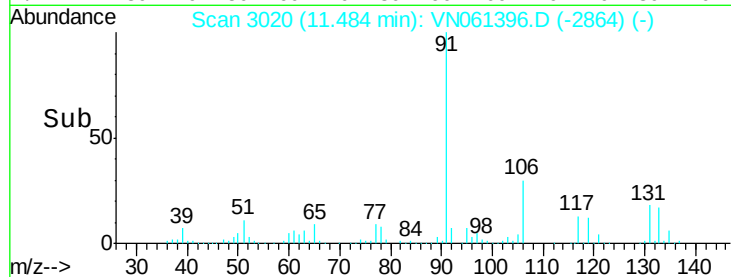
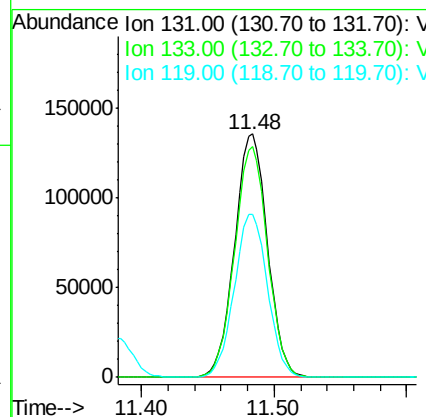
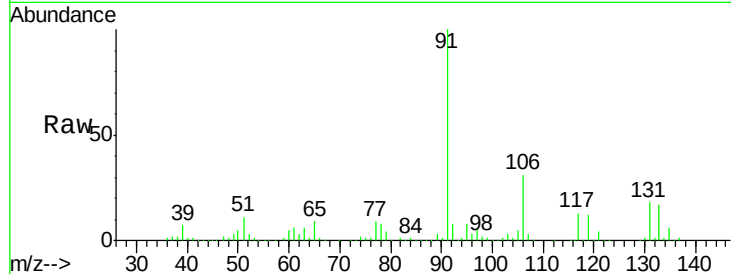
#65
1,1,1,2-Tetrachloroethane
Concen: 155.651 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	233159		
133	94.9	0.0	194.0	
119	67.8	0.0	136.8	

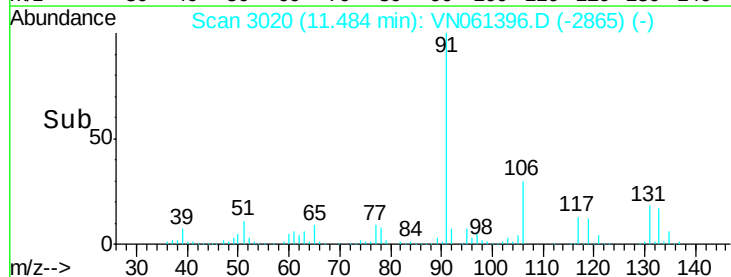
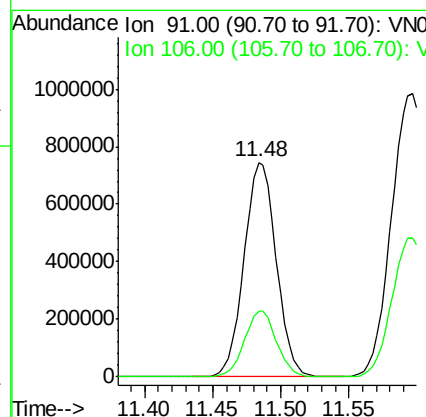
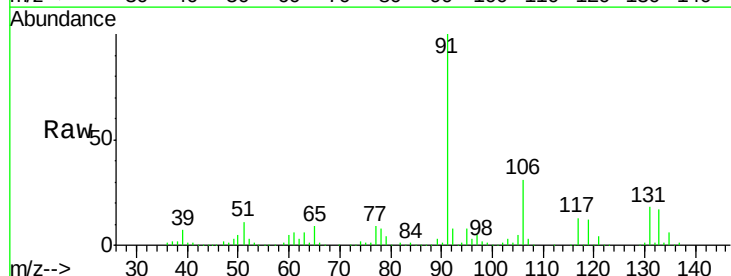
Manual Integrations
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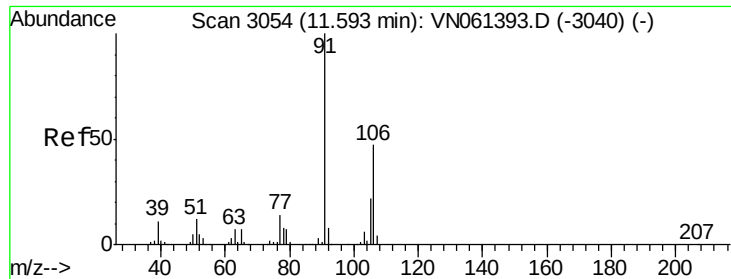
MMDadoda
5/15/2020 2:10:46 PM



#66
Ethyl Benzene
Concen: 152.933 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1220018		
106	30.9	24.2	36.4	





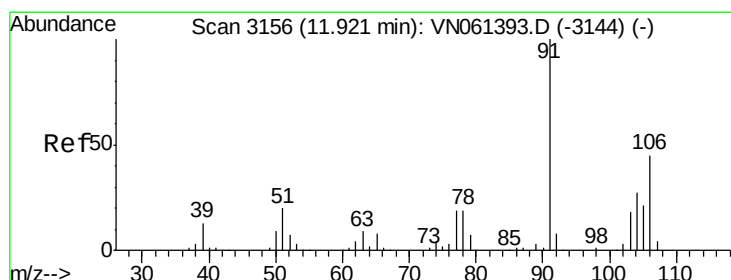
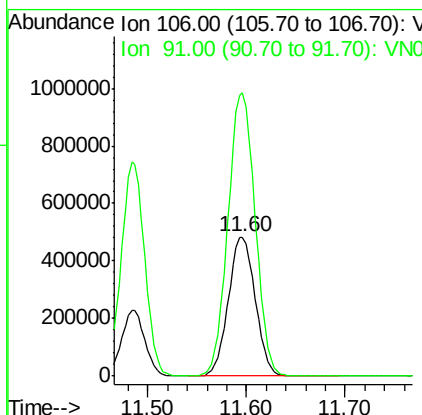
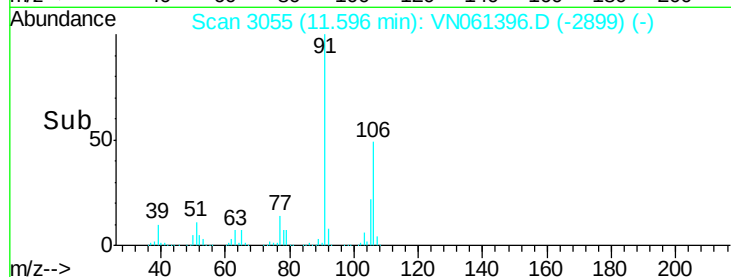
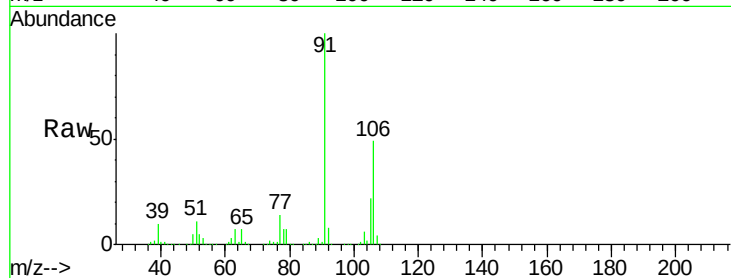
#67
m/p-Xylenes
Concen: 314.728 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 921722
Ion Ratio Lower Upper
106 100
91 205.9 165.6 248.4

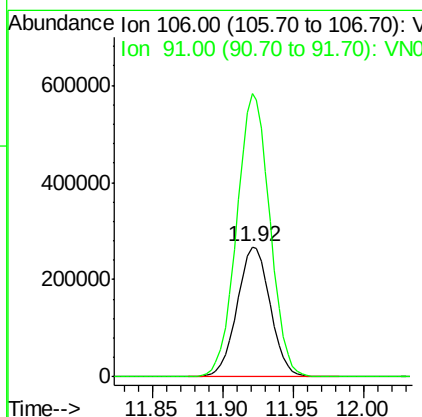
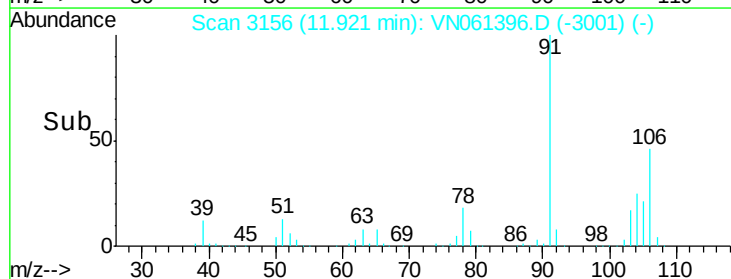
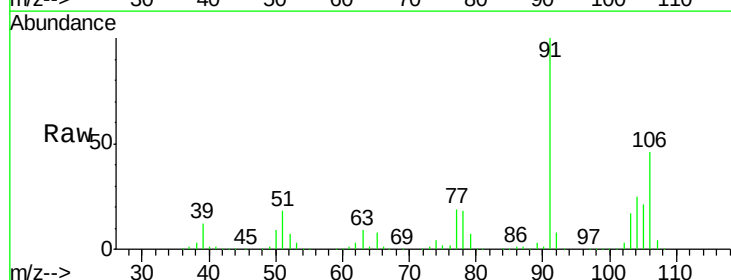
Manual Integrations
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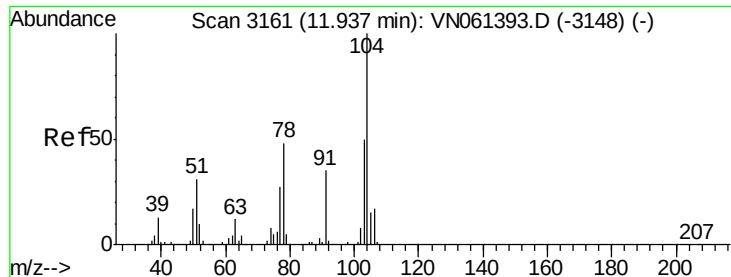
MMDadoda
5/15/2020 2:10:46 PM



#68
o-Xylene
Concen: 157.628 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion:106 Resp: 440427
Ion Ratio Lower Upper
106 100
91 217.7 109.8 329.4





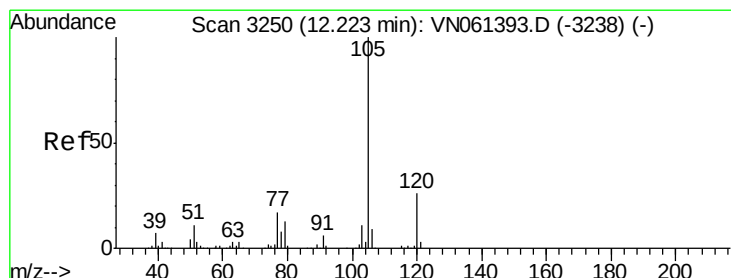
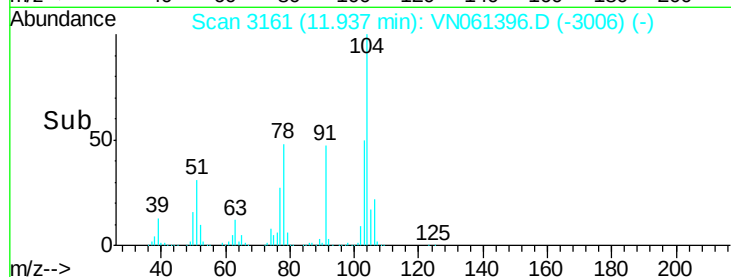
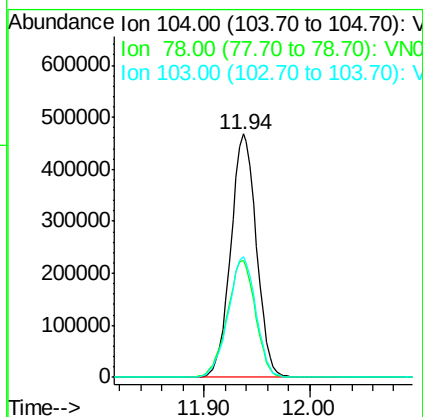
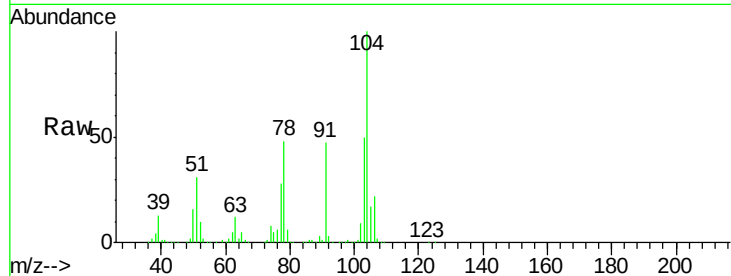
#69
Stvrene
Concen: 164.465 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.4	63.6
103	53.6	44.6	66.8

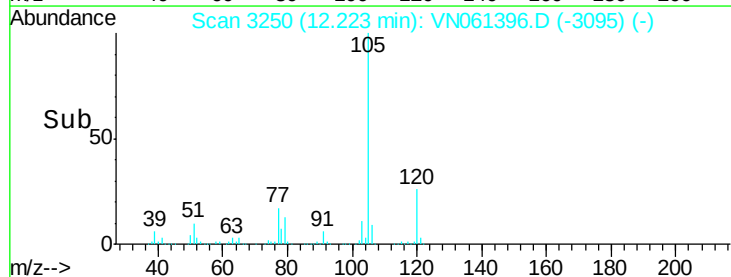
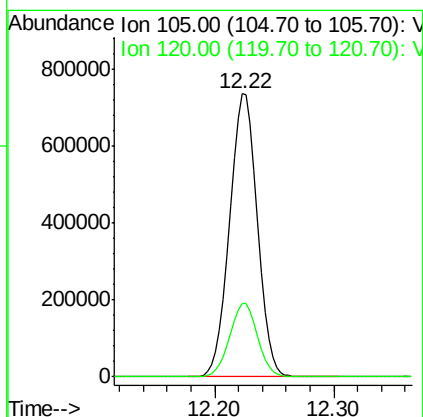
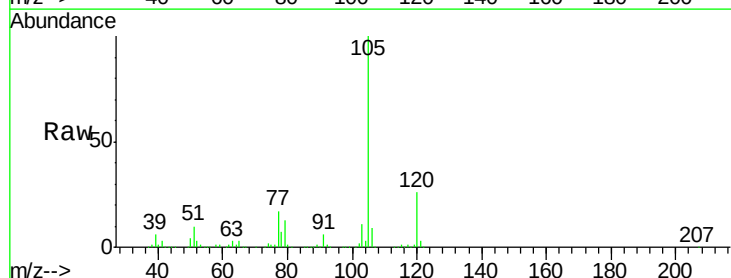
Manual Integrations
APPROVED

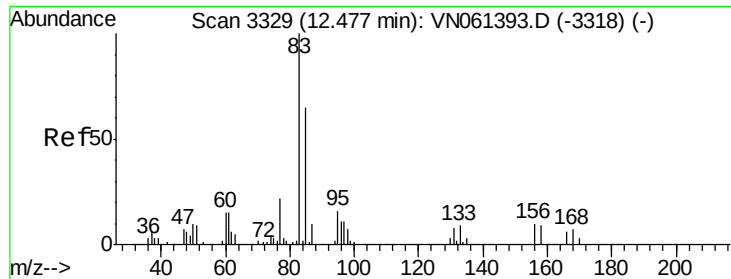
MMDadoda
5/15/2020 2:10:46 PM



#70
Isopropylbenzene
Concen: 156.425 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2





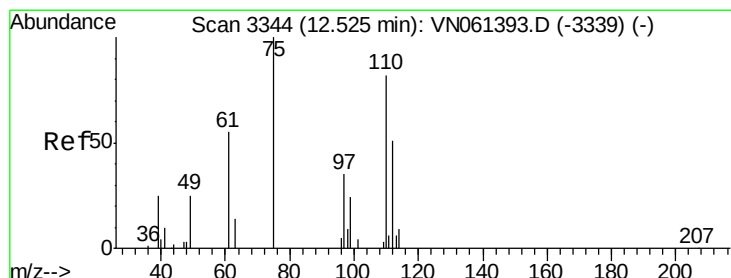
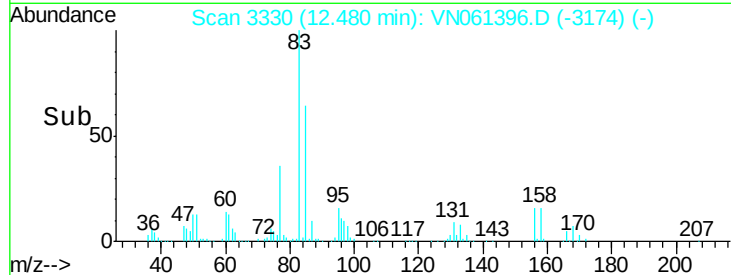
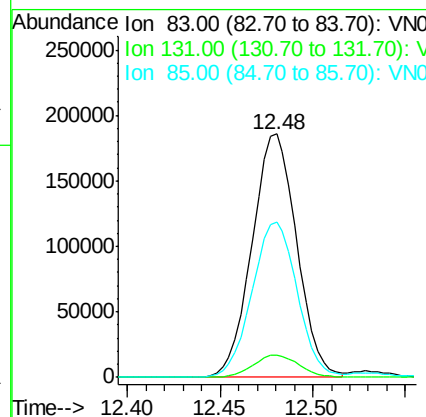
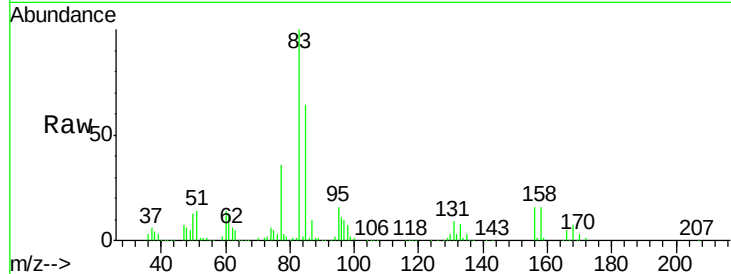
#71
 1,1,2,2-Tetrachloroethane
 Concen: 147.116 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.9	14.7	
85	64.6	31.6	94.7	

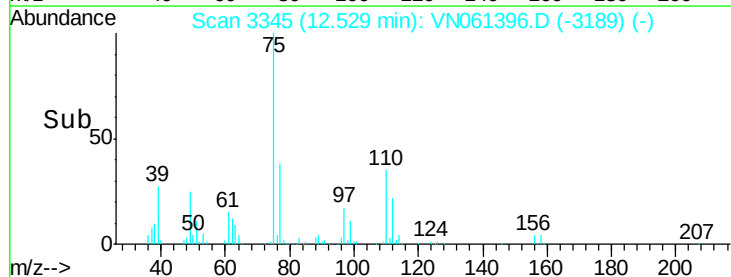
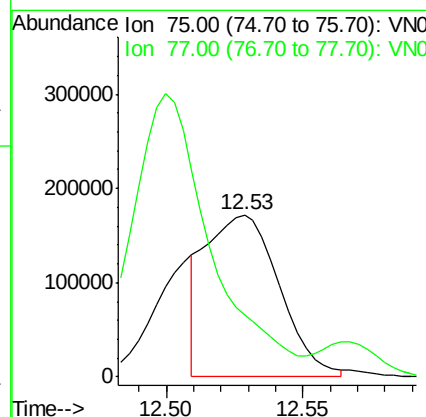
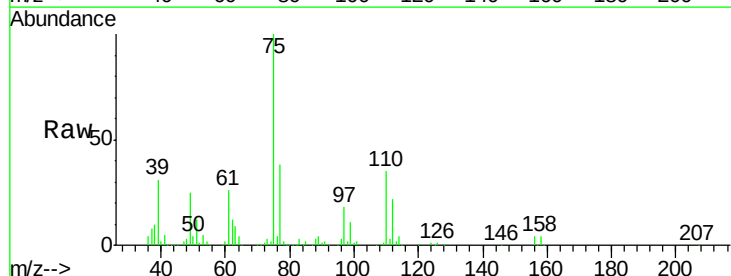
Manual Integrations
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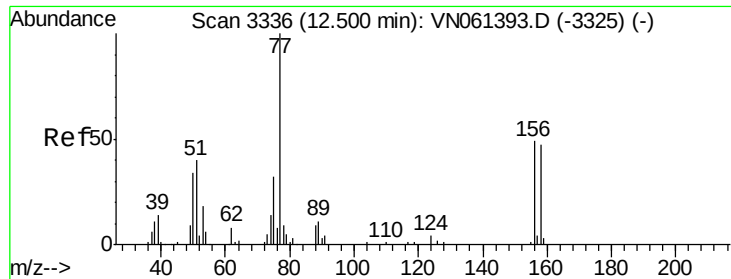
MMDadoda
 5/15/2020 2:10:46 PM



#72
 1,2,3-Trichloropropane
 Concen: 161.342 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	188.0	0.0	359.4	





#73

Bromobenzene

Concen: 160.978 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

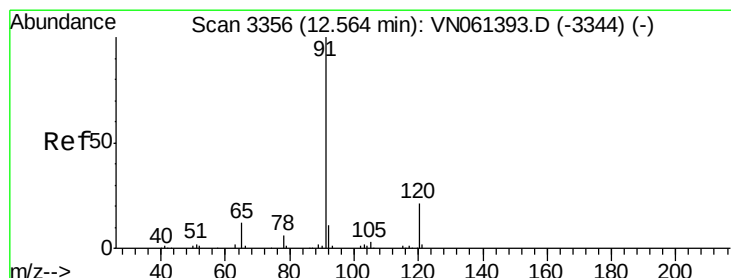
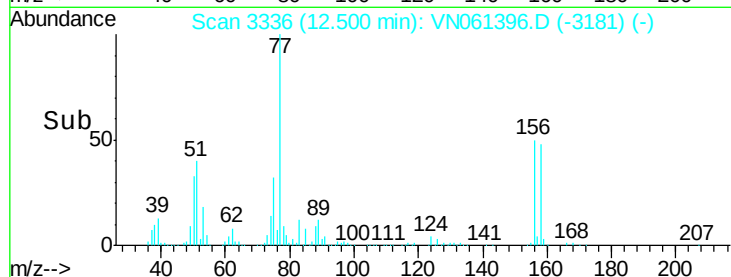
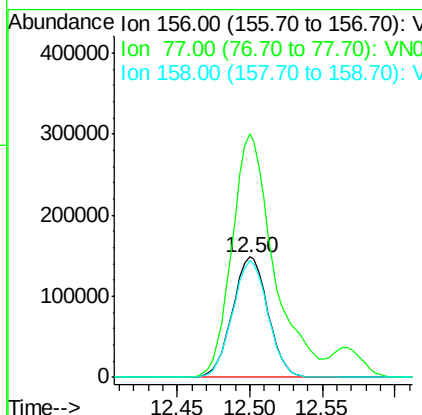
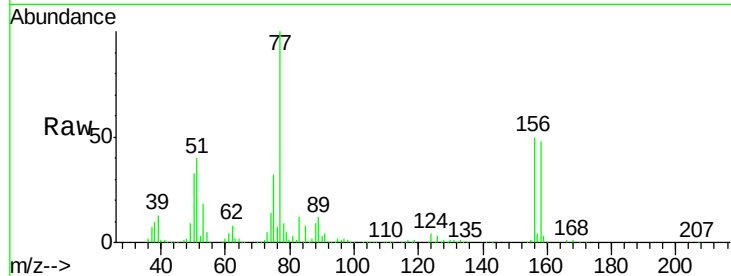
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	252019
Ion Ratio	Lower	Upper	
156	100		
77	239.0	0.0	456.0
158	96.7	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 154.687 ug/l

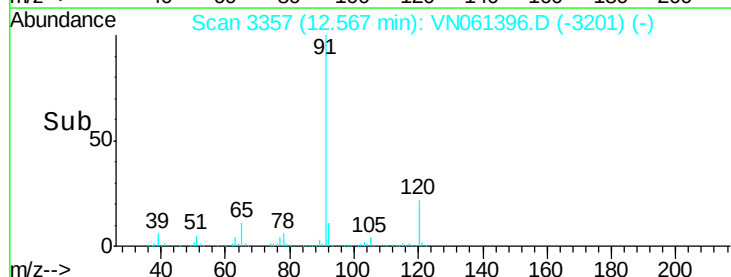
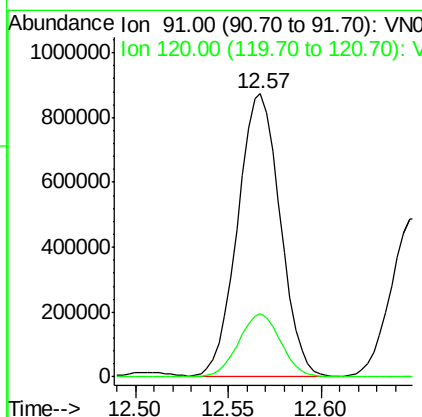
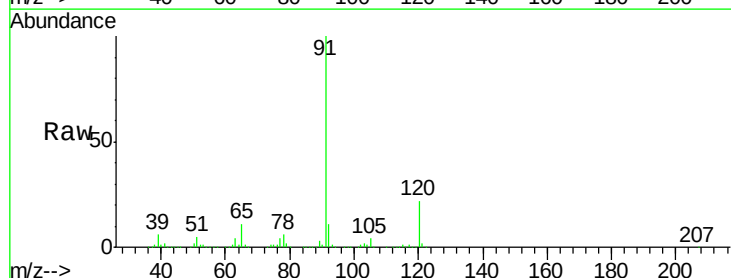
RT: 12.57 min Scan# 3357

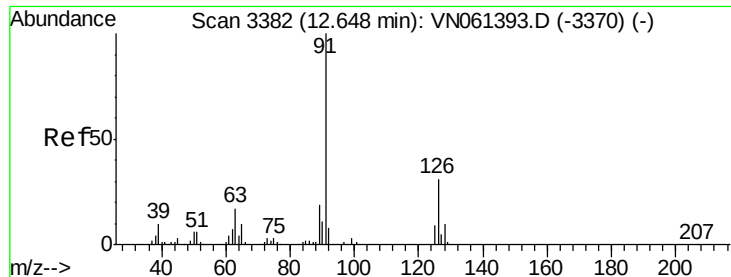
Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	91	Resp:	1397796
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	43.6





#75

2-Chlorotoluene

Concen: 154.958 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 802700

Ion Ratio Lower Upper

91 100

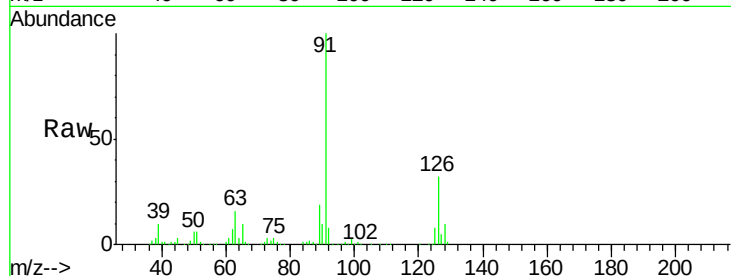
126 31.7 0.0 65.4

Manual Integrations

APPROVED

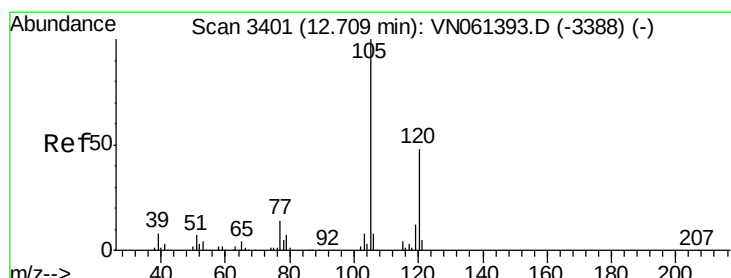
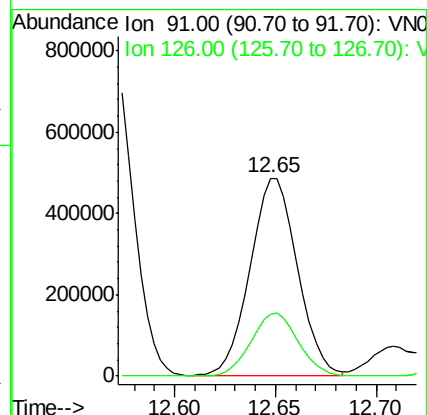
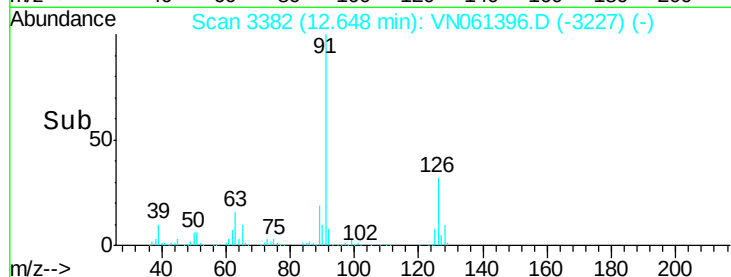
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN061396.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061396.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 157.046 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061396.D

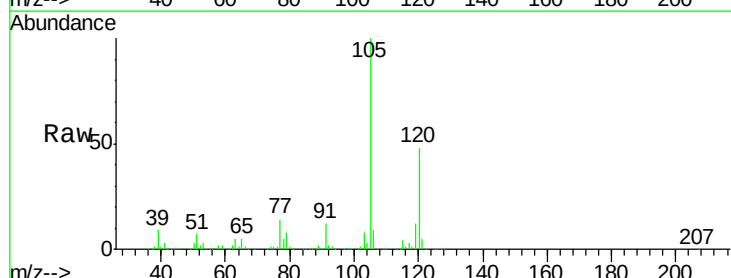
Acq: 14 May 2020 15:46

Tgt Ion: 105 Resp: 998502

Ion Ratio Lower Upper

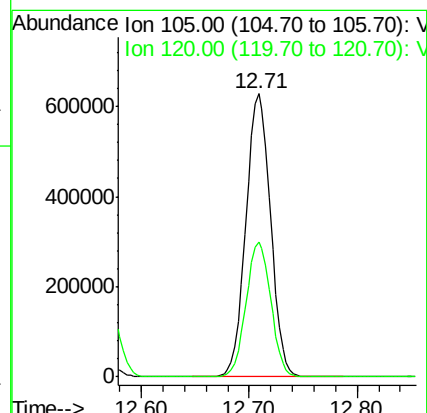
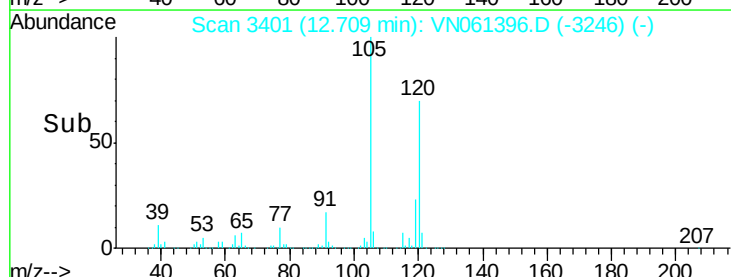
105 100

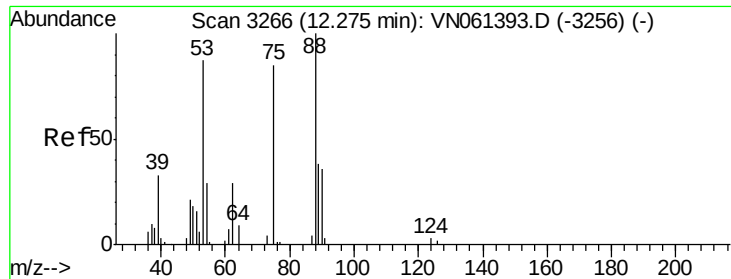
120 47.8 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061396.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN061396.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 162.880 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

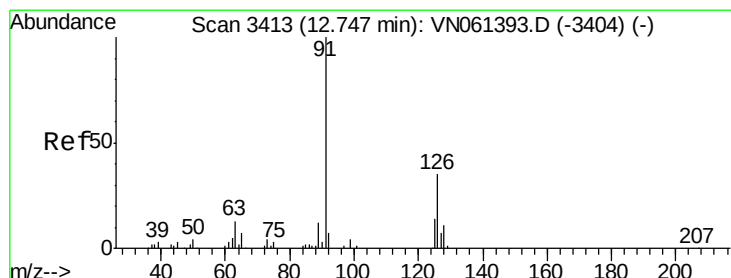
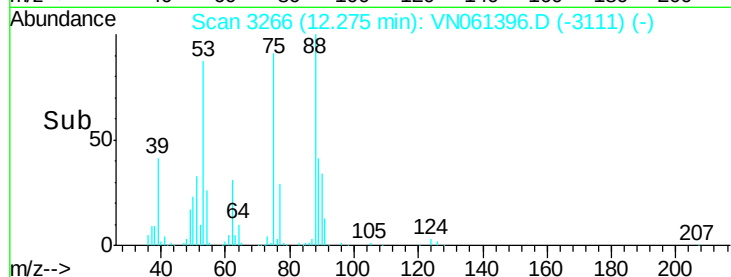
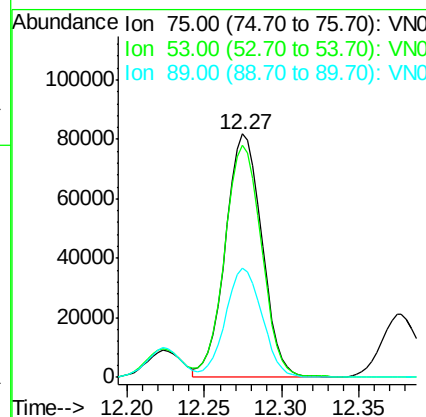
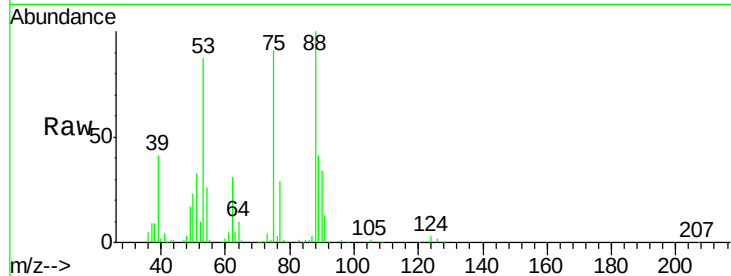
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	134296
Ion	Ratio	Lower	Upper
75	100		
53	95.6	50.0	150.0
89	45.0	20.7	62.1

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#78

4-Chlorotoluene

Concen: 159.942 ug/l

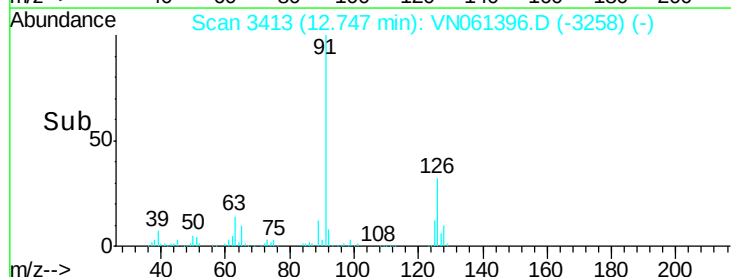
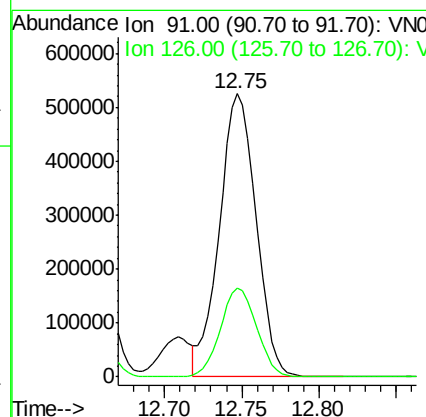
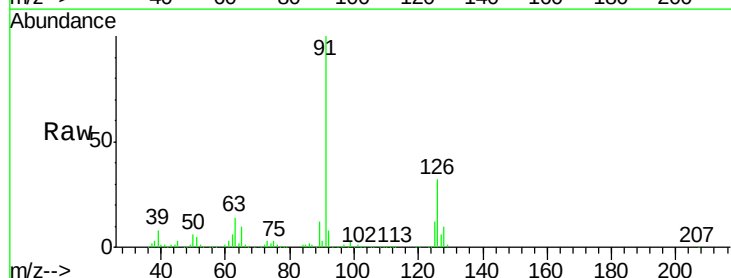
RT: 12.75 min Scan# 3413

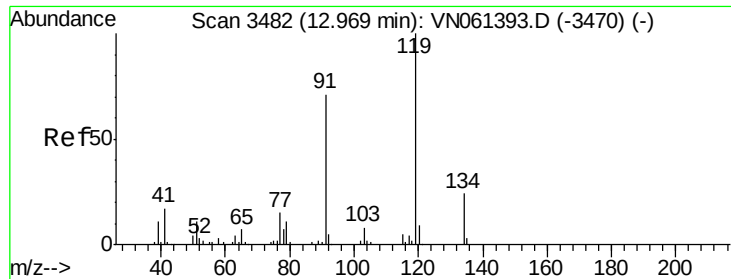
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:	91	Resp:	861895
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.4





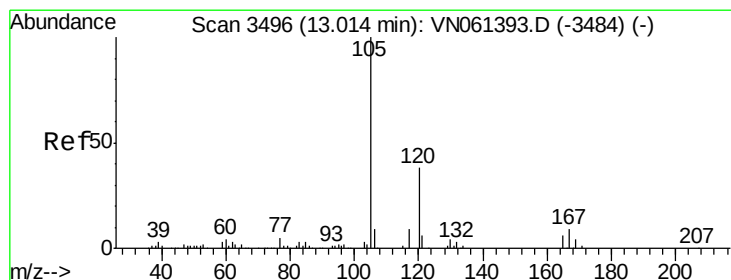
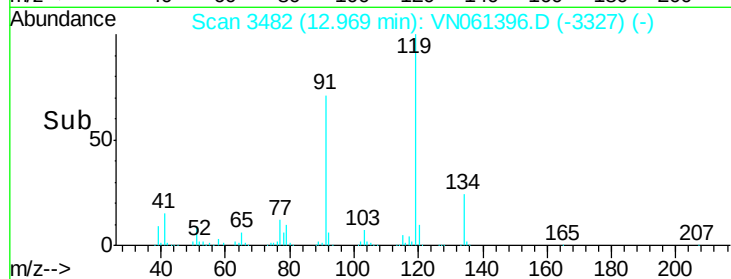
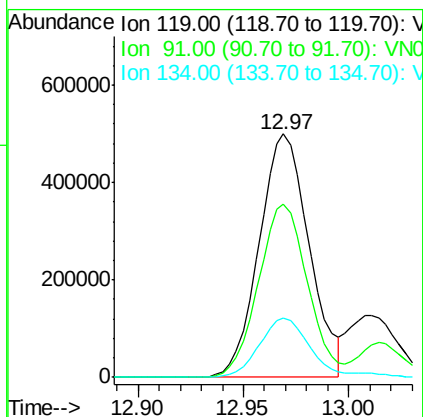
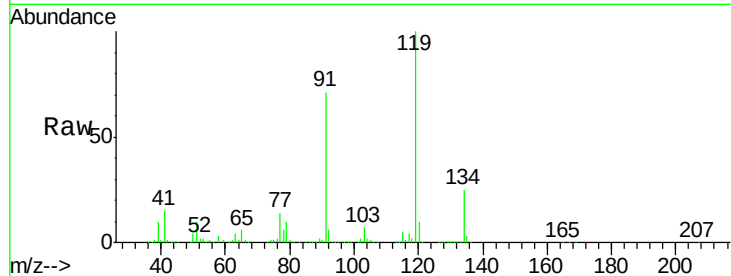
#79
tert-butylbenzene
Concen: 155.635 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	823524		
91	70.0	0.0	136.4	
134	25.5	0.0	47.2	

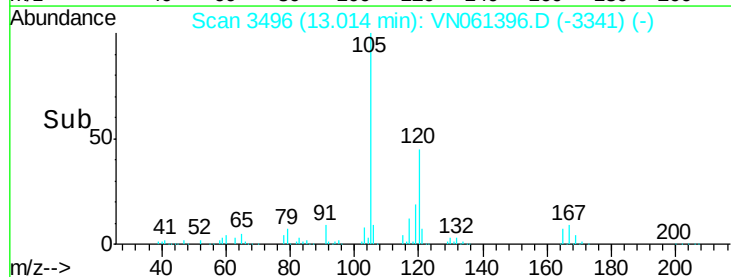
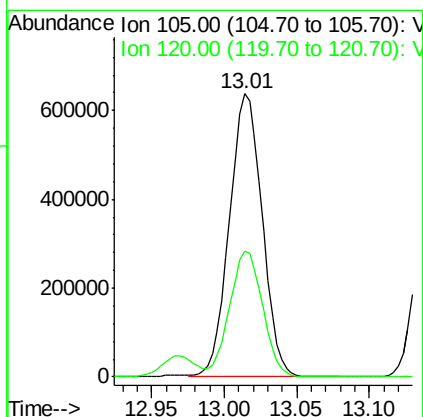
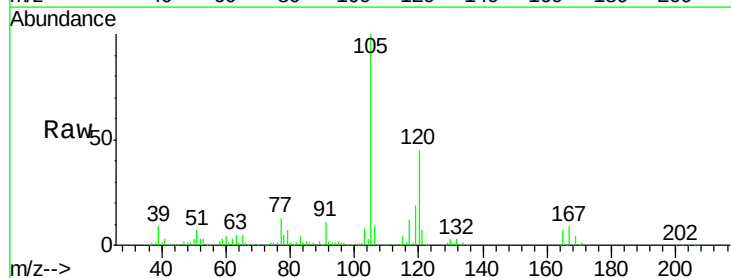
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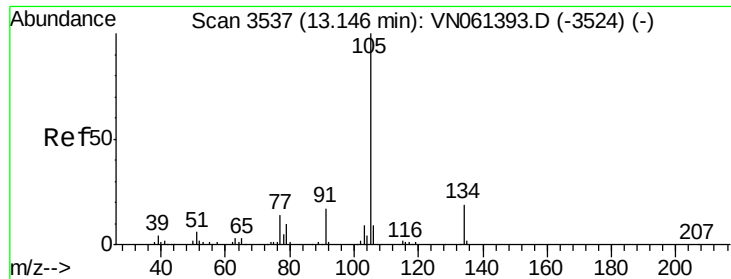
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#80
1,2,4-Trimethylbenzene
Concen: 157.940 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1001144		
120	45.1	0.0	89.2	





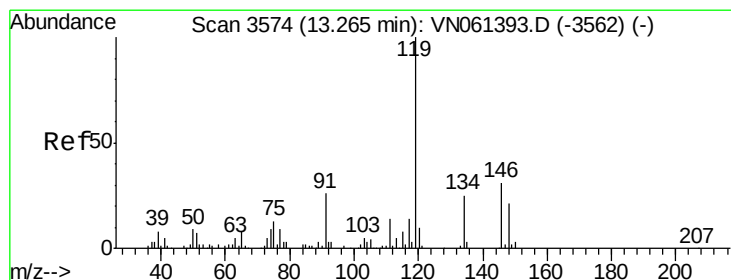
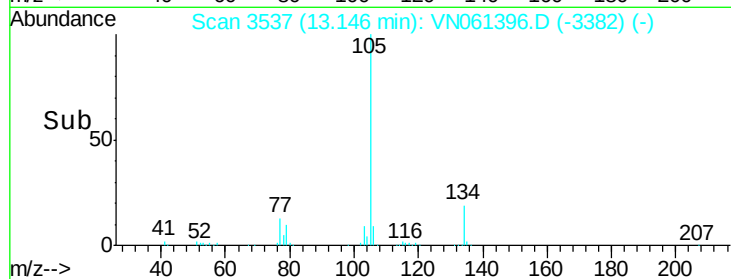
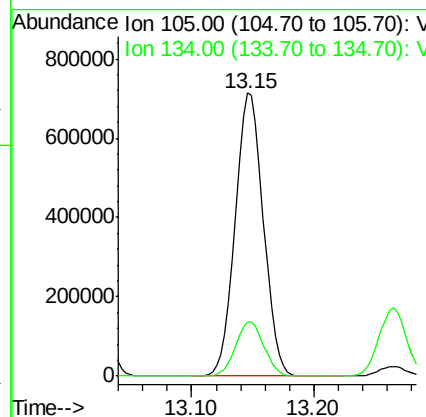
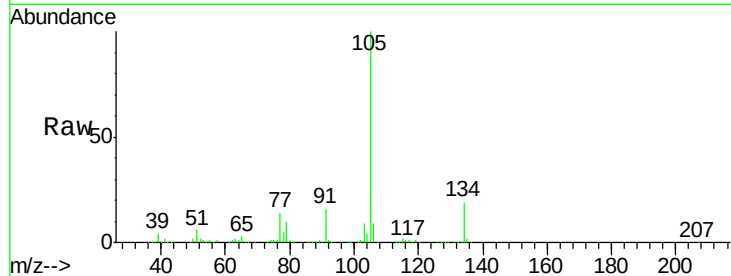
#81
 sec-Butylbenzene
 Concen: 157.741 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1146670
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.0

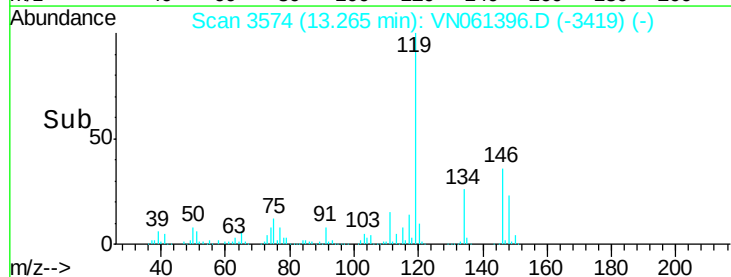
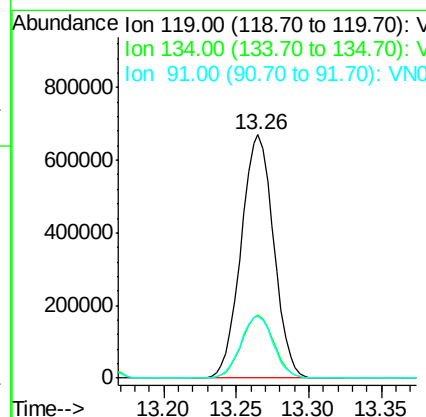
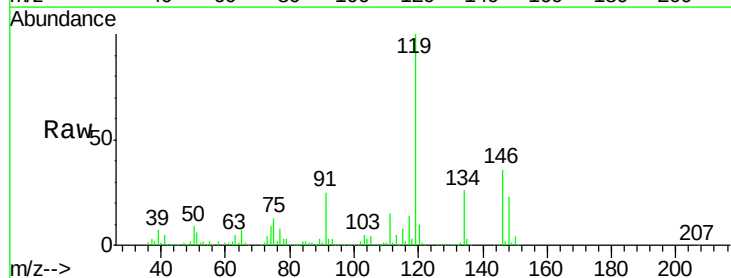
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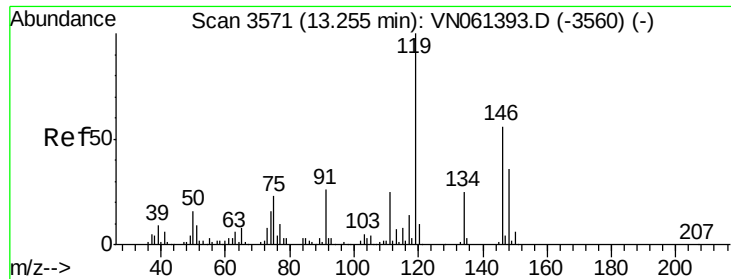
MMDadoda
 5/15/2020 2:10:46 PM



#82
 p-Isopropyltoluene
 Concen: 159.845 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion:119 Resp: 1043432
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 50.8
 91 25.6 0.0 49.4





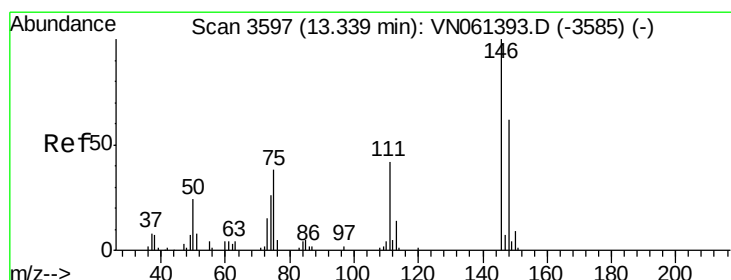
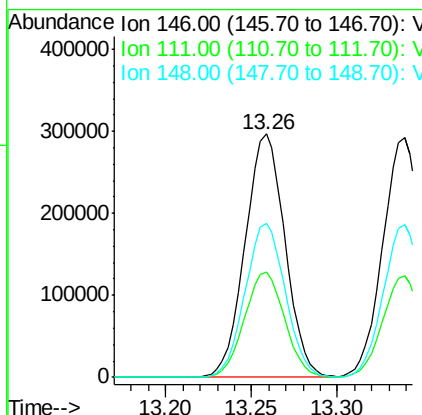
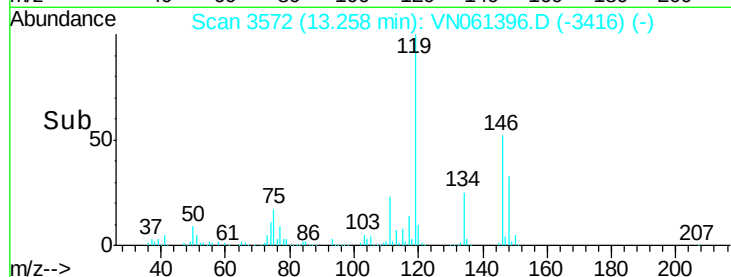
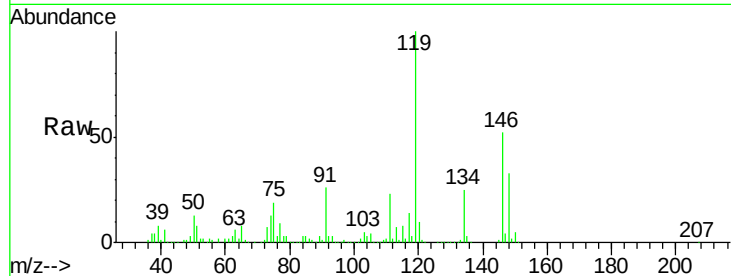
#83
 1,3-Dichlorobenzene
 Concen: 165.795 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	63.6	31.7	95.1

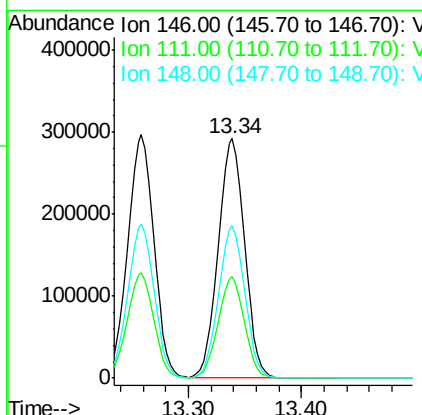
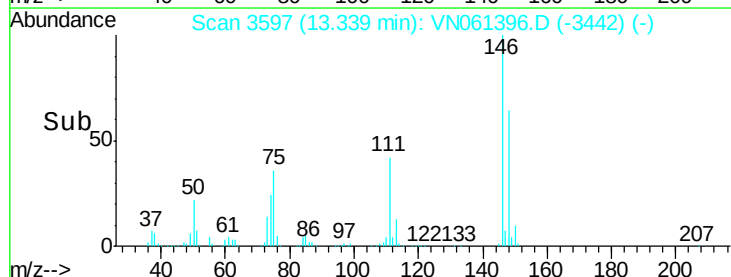
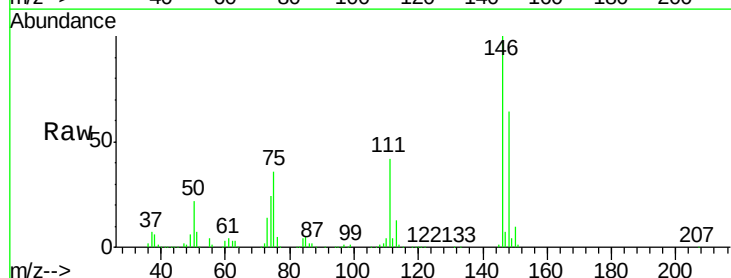
Manual Integrations
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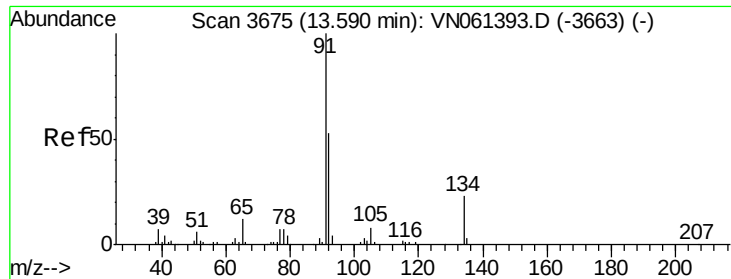
MMDadoda
 5/15/2020 2:10:46 PM



#84
 1,4-Dichlorobenzene
 Concen: 165.173 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.8	59.4
148	63.3	31.6	94.8





#85

n-Butylbenzene

Concen: 160.018 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

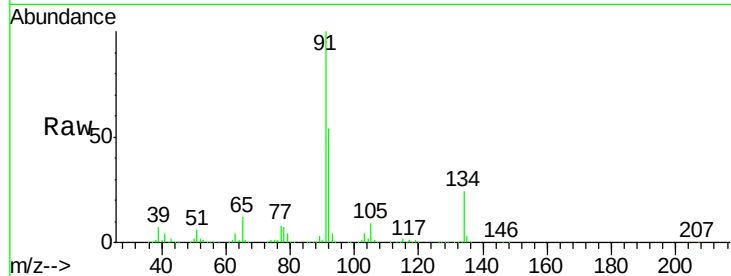
ClientSampleId :

VSTDIC150

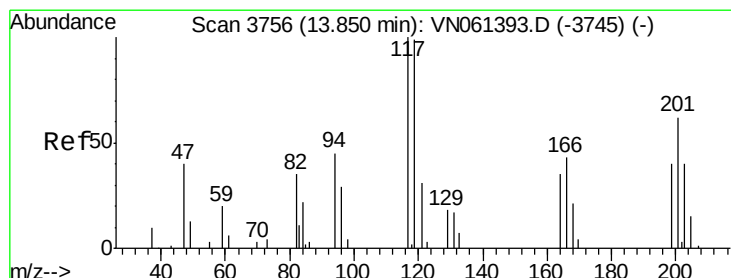
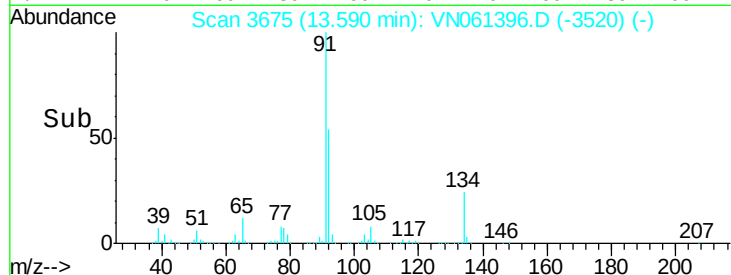
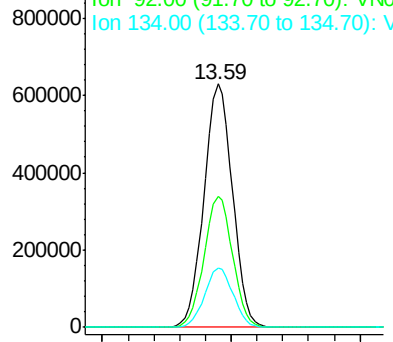
Tot Ion:	91	Resp:	966816
Ion Ratio	Lower	Upper	
91	100		
92	53.7	0.0	102.8
134	24.4	0.0	48.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061396.D (-3663) (-)



#86

Hexachloroethane

Concen: 162.942 ug/l

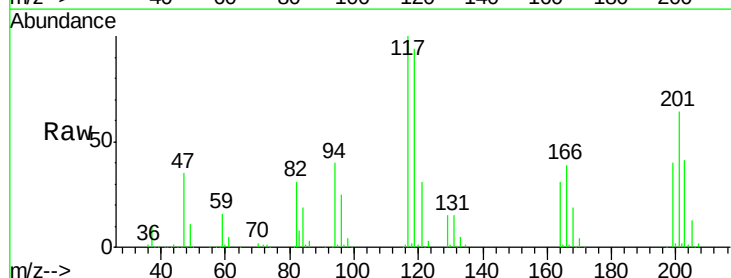
RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

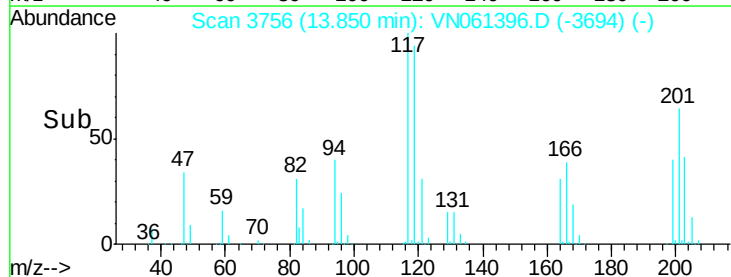
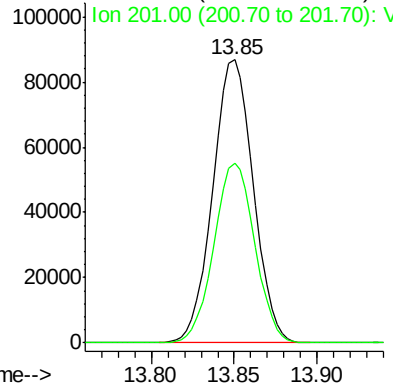
Lab File: VN061396.D

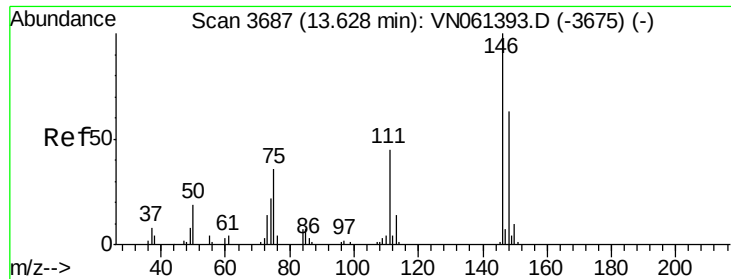
Acq: 14 May 2020 15:46

Tgt Ion:	117	Resp:	147669
Ion Ratio	Lower	Upper	
117	100		
201	63.8	38.7	116.1



Abundance Ion 117.00 (116.70 to 117.70): VN061396.D (-3745) (-)





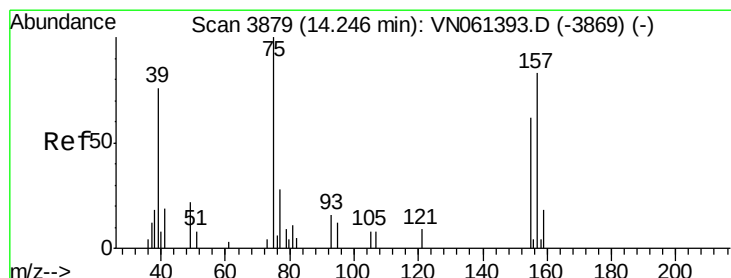
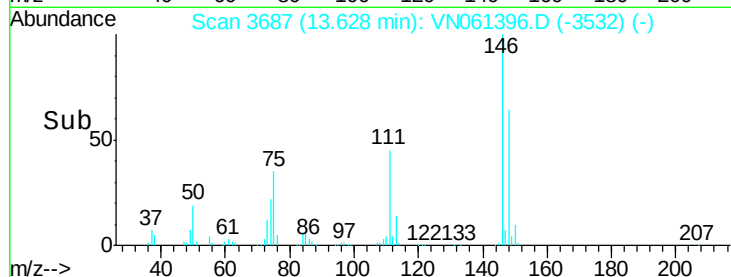
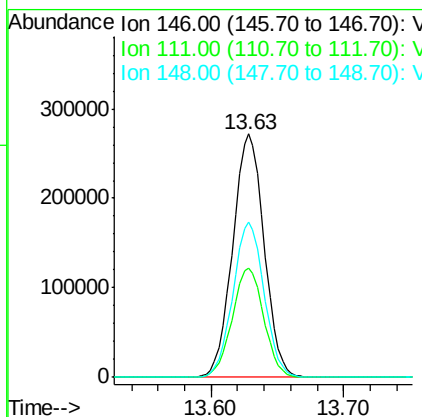
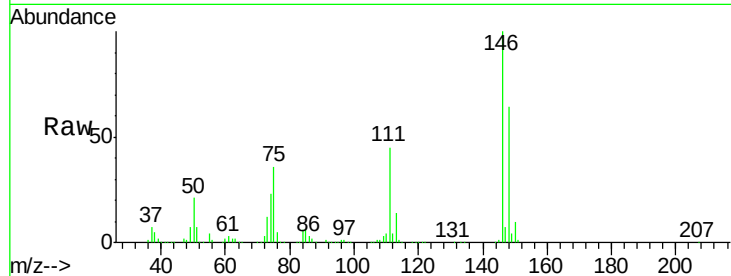
#87
 1,2-Dichlorobenzene
 Concen: 161.875 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.8	65.4
148	63.4	32.1	96.5

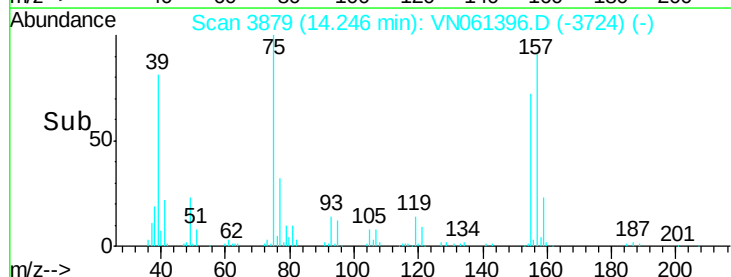
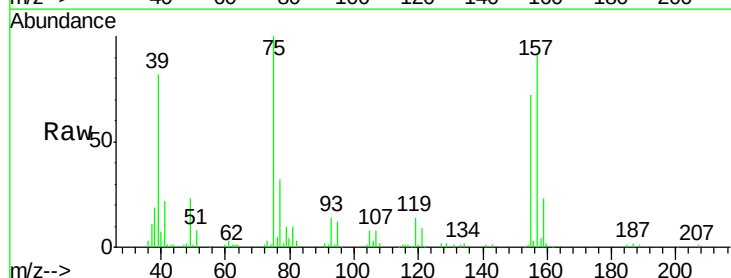
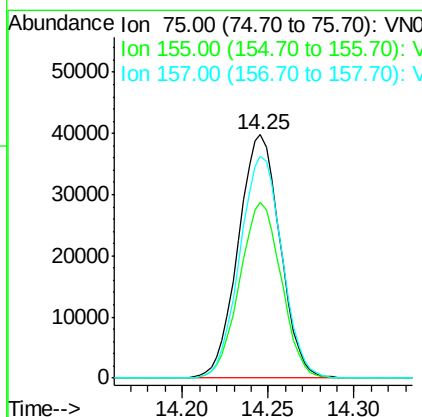
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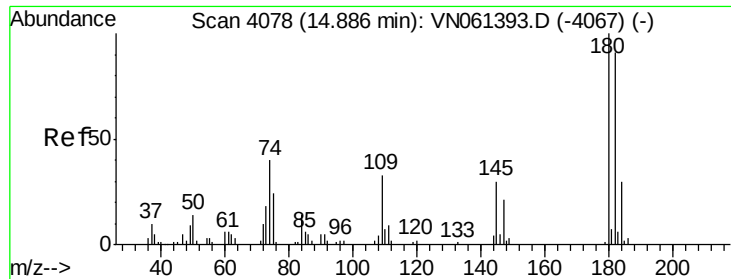
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 149.265 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	58.3	87.5
157	91.7	75.0	112.6





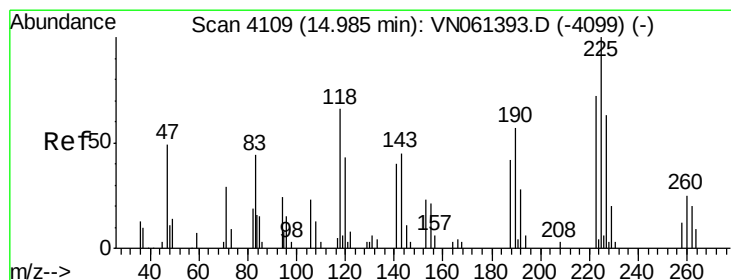
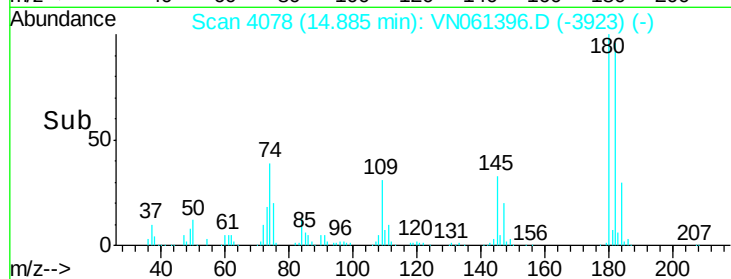
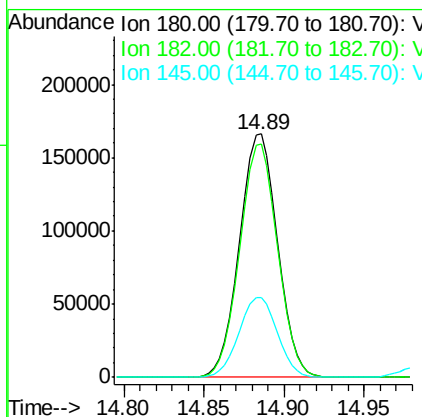
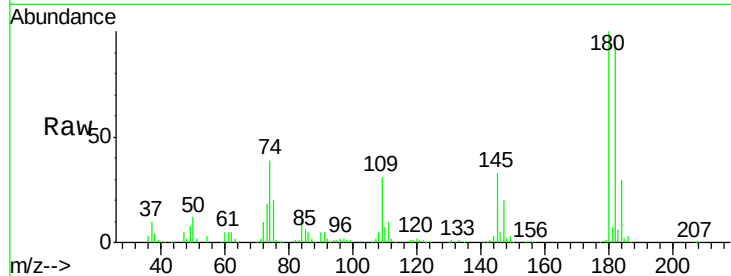
#89
 1,2,4-Trichlorobenzene
 Concen: 172.242 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269145		
182	95.4	75.3	112.9	
145	33.3	24.8	37.2	

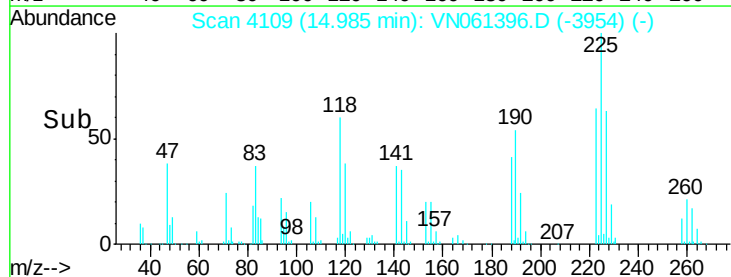
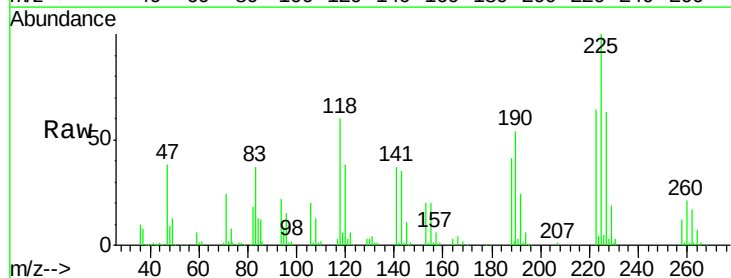
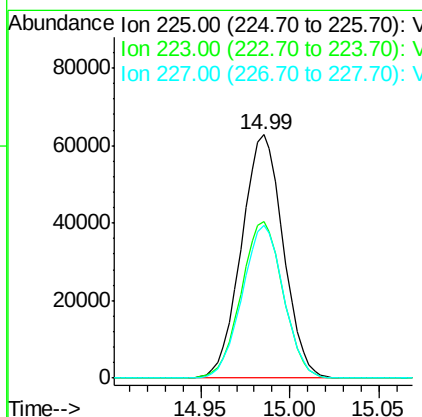
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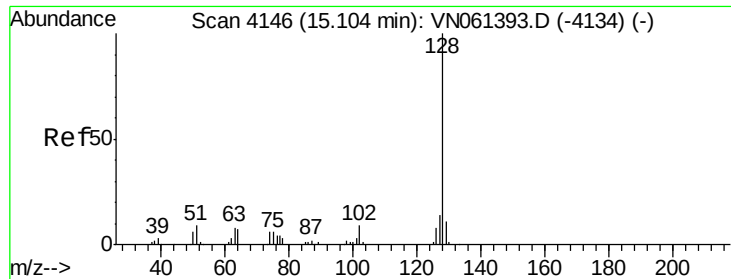
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#90
 Hexachlorobutadiene
 Concen: 157.792 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102360		
223	64.5	0.0	126.2	
227	62.3	0.0	127.0	





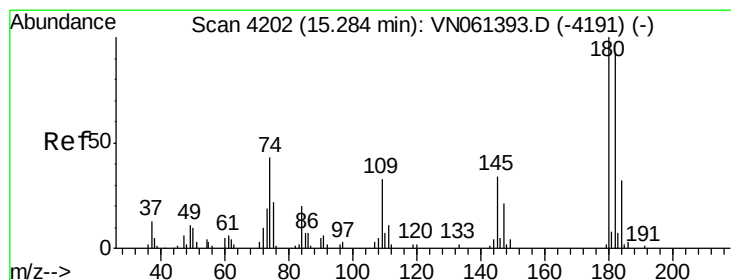
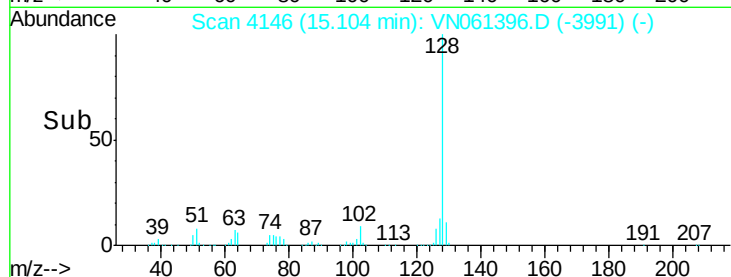
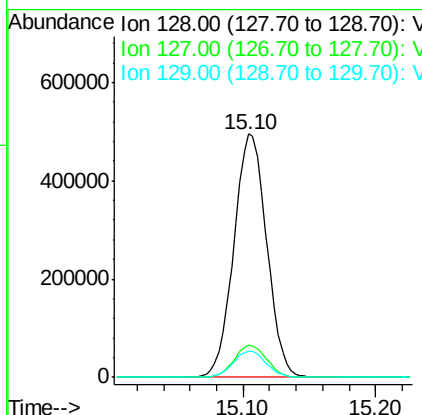
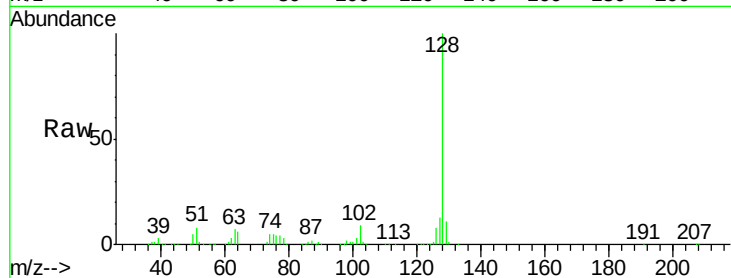
#91
Naphthalene
Concen: 173.189 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 167.323 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	193.4
145	34.9	0.0	65.8

