

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063889.D
 Acq On : 6 Oct 2020 10:51
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:29 PM

Quant Time: Oct 06 12:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50711	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	265864	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	254780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	138051	36.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	121.80%
60) 4-Bromofluorobenzene	12.38	95	125834	30.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.63%
63) Toluene-d8	10.06	98	347277	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	78474	21.327	ug/l 100
3) Chloromethane	2.04	50	77965	19.564	ug/l 100
4) Vinyl Chloride	2.17	62	77321	19.257	ug/l 100
5) Bromomethane	2.55	94	48799	19.605	ug/l 100
6) Chloroethane	2.68	64	47908	19.985	ug/l 100
7) Trichlorofluoromethane	2.99	101	120091	23.433	ug/l 100
8) Diethyl Ether	3.38	74	37775	22.274	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	63085	22.743	ug/l 100
10) 1,1-Dichloroethene	3.70	96	57743	23.074	ug/l 100
11) Methyl Iodide	3.91	142	73413	21.572	ug/l 100
12) Methyl Acetate	4.28	43	71786	21.984	ug/l 100
13) Acrolein	3.57	56	28141	86.935	ug/l 100
14) Acrylonitrile	4.93	53	141973	101.166	ug/l 100
15) Acetone	3.78	58	42485	103.890	ug/l 100
16) Carbon Disulfide	4.01	76	170489	24.832	ug/l 100
17) Allyl chloride	4.28	41	113758	24.232	ug/l 100
18) Methylene Chloride	4.51	84	70644	20.844	ug/l 100
19) trans-1,2-Dichloroethene	5.00	96	62690	22.797	ug/l 100
20) Diisopropyl ether	5.91	45	214135	20.620	ug/l 100
21) 1,1-Dichloroethane	5.80	63	133116	22.701	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	71592	21.360	ug/l 100
23) tert-Butyl Alcohol	4.73	59	62389	127.238	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	194478	21.533	ug/l 100
25) Chloroform	7.33	83	138408	23.409	ug/l 100
26) Cyclohexane	7.61	56	91142	18.896	ug/l 100
29) 1,1-Dichloropropene	7.75	75	99531	23.987	ug/l 100
30) 2-Butanone	6.78	43	238787	122.849	ug/l 100
31) 2,2-Dichloropropane	6.77	77	120178	23.853	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	128331	25.329	ug/l 100
33) Carbon Tetrachloride	7.73	117	111060	25.575	ug/l 100
34) Benzene	8.00	78	283228	21.987	ug/l 100
35) Methacrylonitrile	7.12	41	42626	23.679	ug/l 100
36) 1,2-Dichloroethane	8.09	62	123885	26.568	ug/l 100
37) Trichloroethene	8.80	130	71955	22.591	ug/l 100
38) Methylcyclohexane	9.05	83	81475	16.982	ug/l 100
39) 1,2-Dichloropropane	9.08	63	78109	21.078	ug/l 100
40) Dibromomethane	9.18	93	54583	24.327	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	109985	22.546	ug/l	100
42) Vinyl Acetate	5.85	43	999247	131.304	ug/l	100
43) Ethyl Acetate	6.88	43	99533	26.317	ug/l	100
44) Isopropyl Acetate	8.13	43	171311	26.504	ug/l #	100
45) 1,4-Dioxane	9.17	88	21523	390.925	ug/l	100
46) Methyl methacrylate	9.17	41	85784	26.926	ug/l	100
47) n-amyl Acetate	12.05	43	143890	25.306	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	118619	22.835	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	120668	21.752	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	70500	21.193	ug/l	100
51) Ethyl methacrylate	10.40	69	99851	21.682	ug/l	99
52) 1,3-Dichloropropane	10.68	76	119691	21.672	ug/l	100
53) Dibromochloromethane	10.87	129	82101	22.178	ug/l	100
54) 1,2-Dibromoethane	10.98	107	74685	22.906	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	252553	199.933	ug/l	100
56) Bromoform	12.10	173	53765	20.119	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	528930	131.206	ug/l	100
59) 2-Hexanone	10.72	43	384794	132.430	ug/l	100
61) Tetrachloroethene	10.60	164	70608	23.748	ug/l	100
62) Toluene	10.13	91	306672	21.789	ug/l	100
64) Chlorobenzene	11.41	112	184317	21.298	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	72571	21.173	ug/l	100
66) Ethyl Benzene	11.49	91	331868	21.513	ug/l	100
67) m/p-Xylenes	11.59	106	249386	43.221	ug/l	100
68) o-Xylene	11.92	106	116169	21.057	ug/l	100
69) Styrene	11.94	104	197659	20.611	ug/l	100
70) Isopropylbenzene	12.23	105	310938	20.808	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	98907	20.864	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	104348m	23.866	ug/l	
73) Bromobenzene	12.50	156	76965	19.436	ug/l	100
74) n-propylbenzene	12.57	91	362208	20.296	ug/l	100
75) 2-Chlorotoluene	12.65	91	221801	20.775	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	260560	20.513	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	34358	22.261	ug/l	100
78) 4-Chlorotoluene	12.75	91	234709	21.185	ug/l	100
79) tert-butylbenzene	12.97	119	206439	19.449	ug/l	100
80) 1,2,4-Trimethylbenzene	13.02	105	263529	21.105	ug/l	100
81) sec-Butylbenzene	13.15	105	274210	18.896	ug/l	100
82) p-Isopropyltoluene	13.26	119	241717	18.757	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	137612	19.789	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	135559	19.856	ug/l	100
85) n-Butylbenzene	13.59	91	211068	19.311	ug/l	100
86) Hexachloroethane	13.85	117	41663	16.895	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	137497	20.517	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23541	28.096	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	67104	19.837	ug/l	100
90) Hexachlorobutadiene	14.98	225	37642	16.110	ug/l	100
91) Naphthalene	15.10	128	211515	25.905	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	66974	19.936	ug/l	100

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Instrument :
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QLast Update : Tue Oct 06 12:20:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

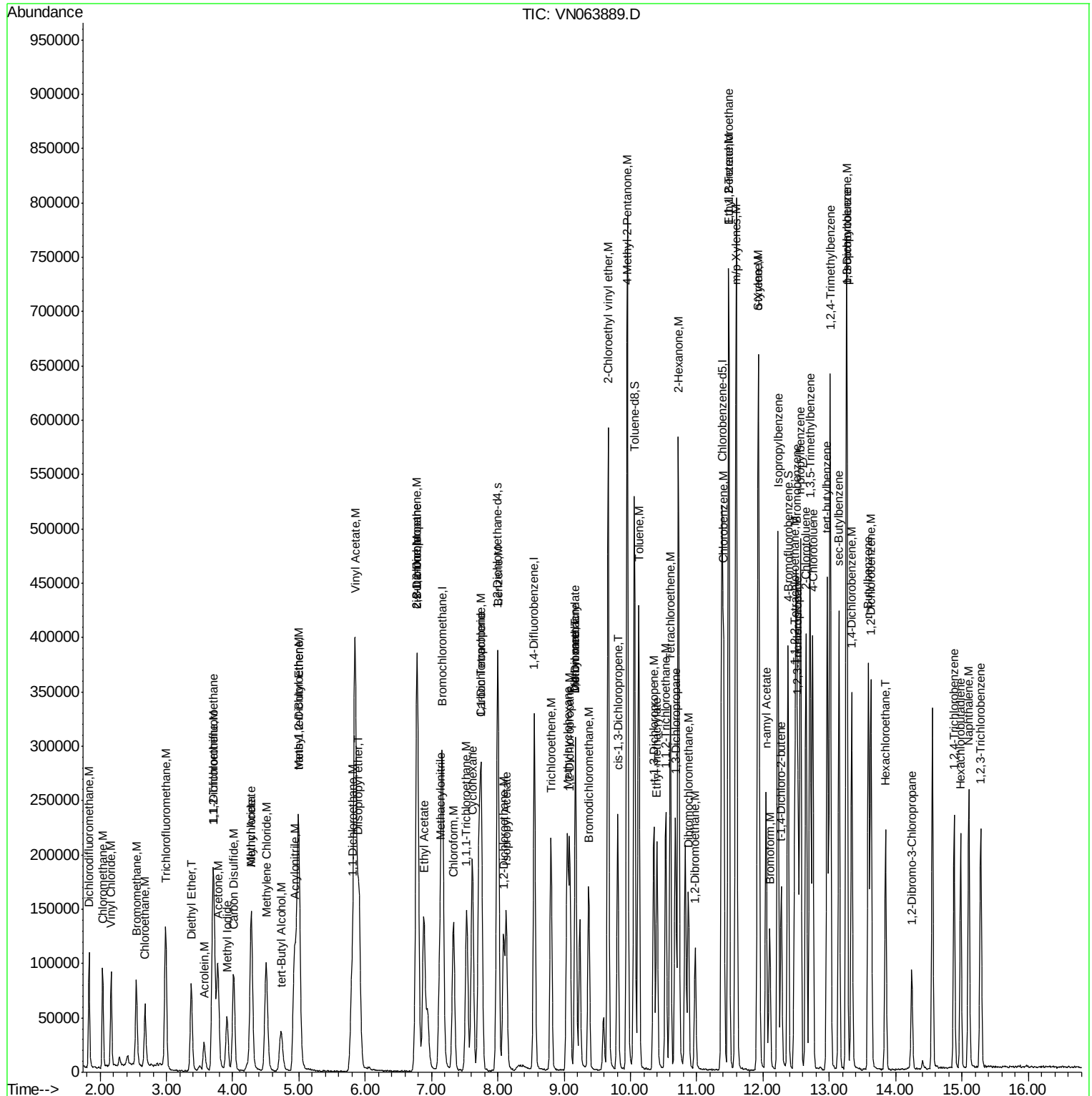
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 Operator : JC/MD
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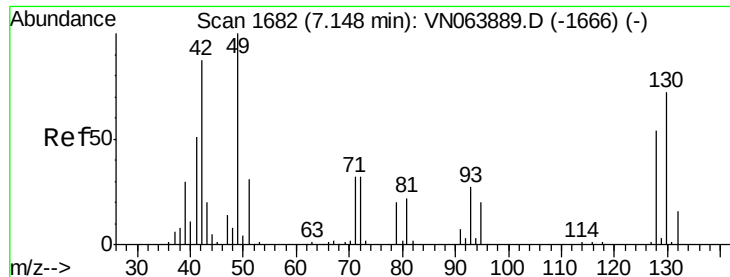
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICCC020

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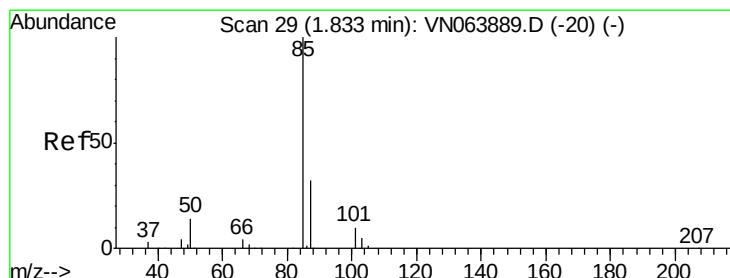
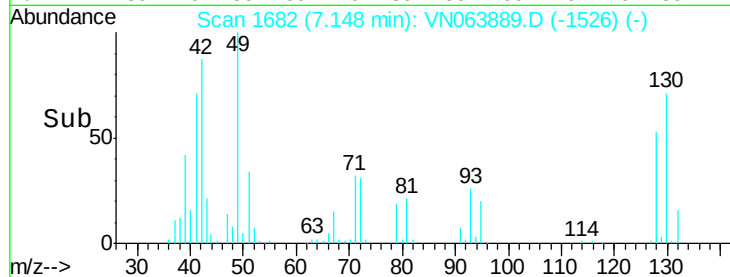
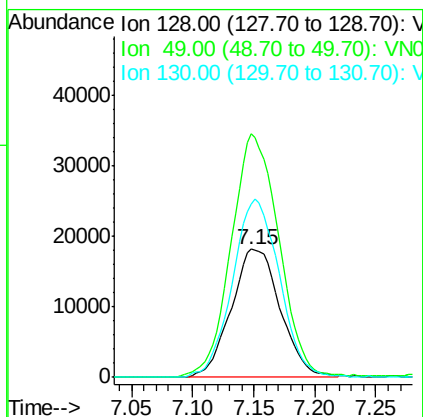
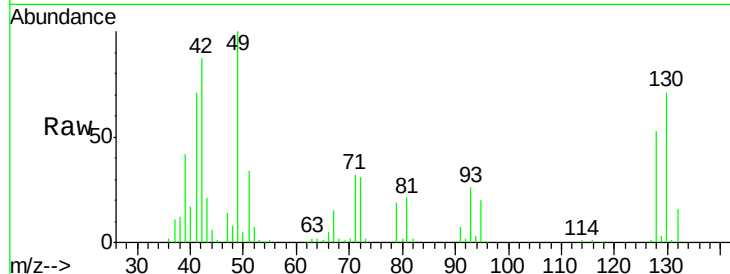
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

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ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	184.7	0.0	461.8
130	132.7	0.0	331.8

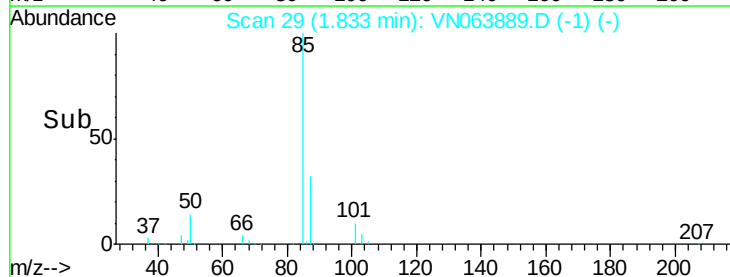
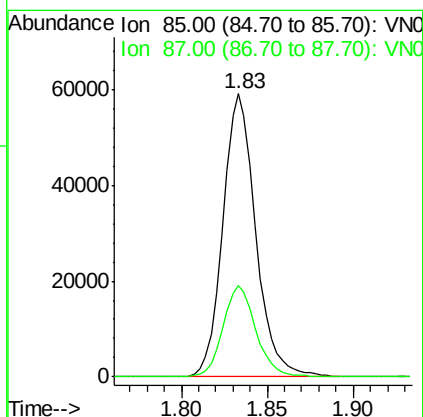
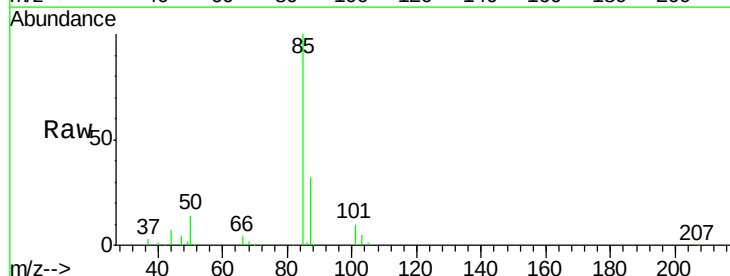
Manual Integrations
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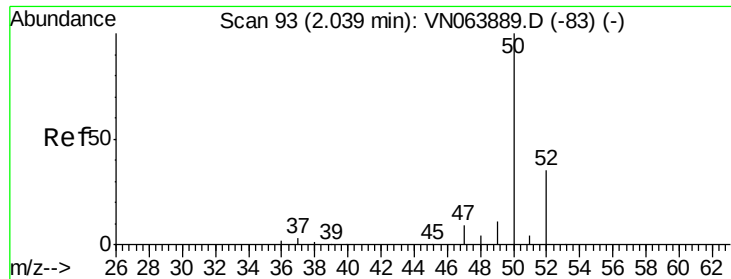
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#2
Dichlorodifluoromethane
Concen: 21.327 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2





#3

Chloromethane

Concen: 19.564 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 77965

Ion Ratio Lower Upper

50 100

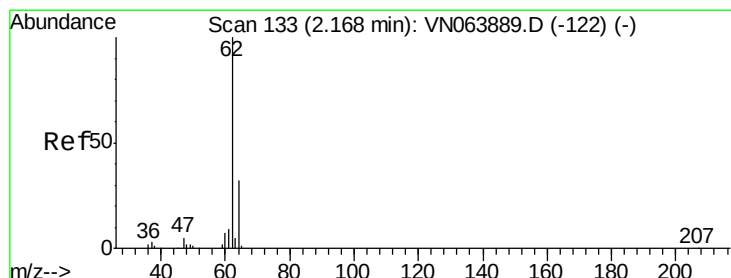
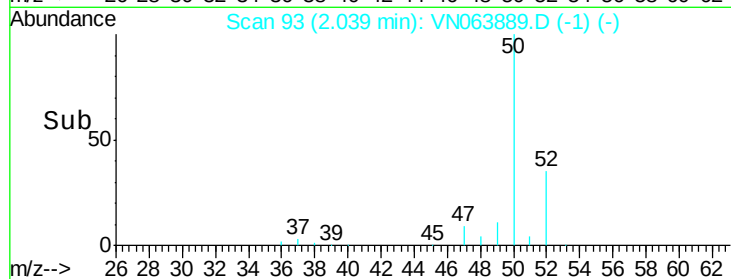
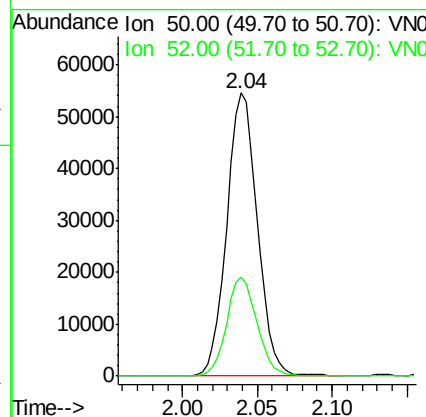
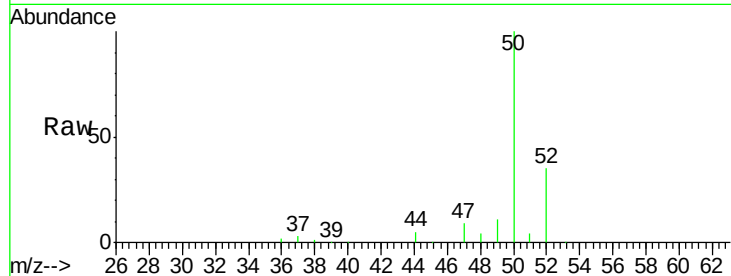
52 34.9 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.257 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063889.D

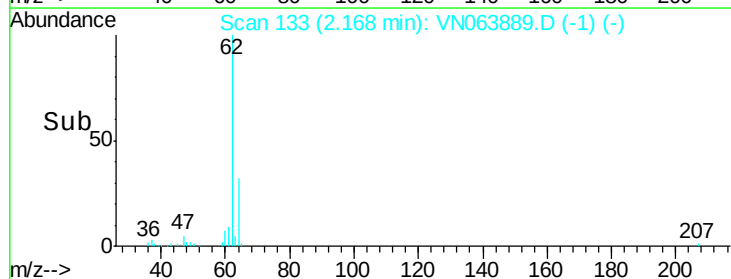
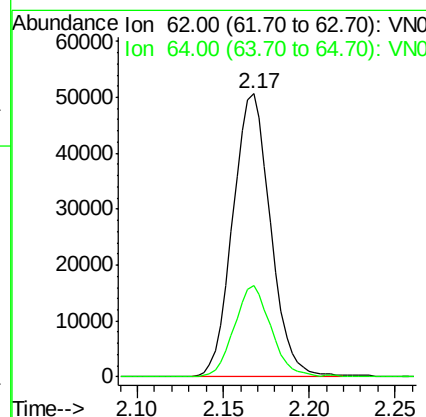
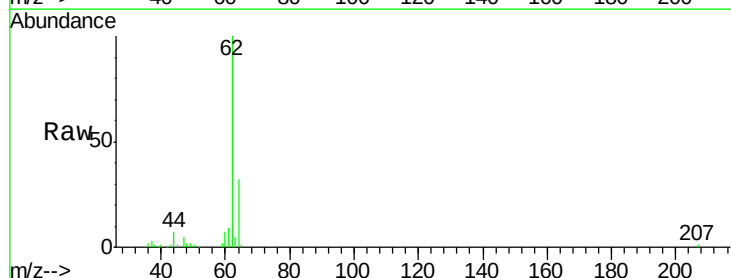
Acq: 6 Oct 2020 10:51

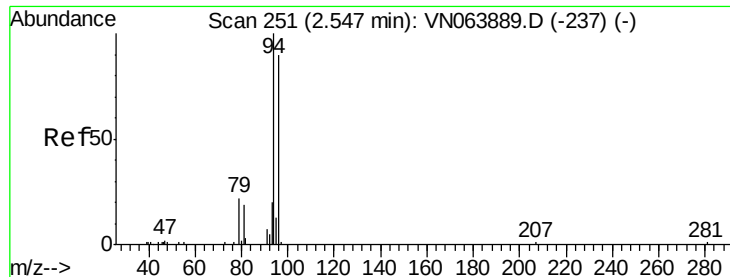
Tgt Ion: 62 Resp: 77321

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 19.605 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 48799

Ion Ratio Lower Upper

94 100

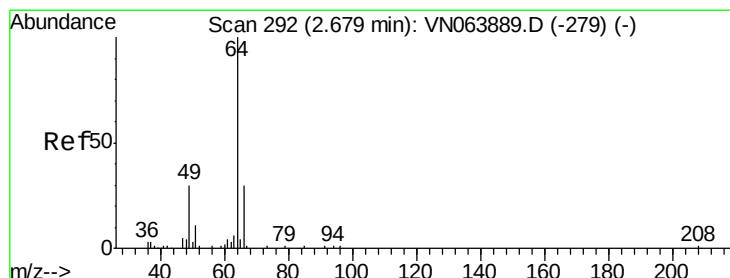
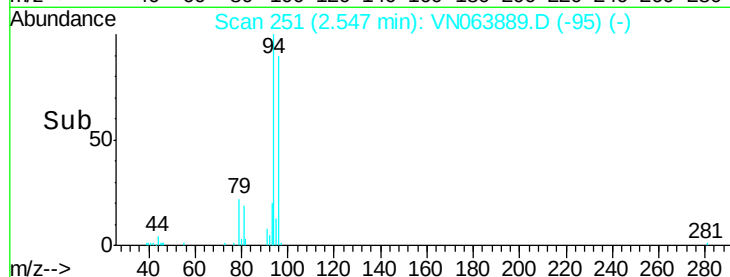
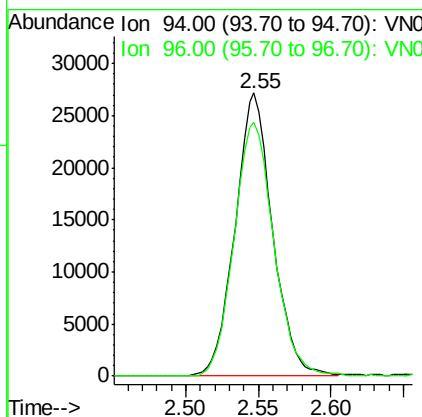
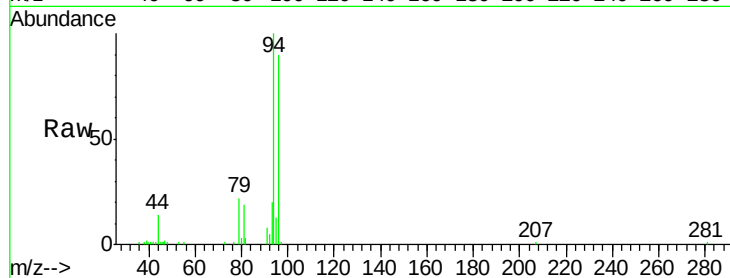
96 89.9 71.9 107.9

Manual Integrations

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#6

Chloroethane

Concen: 19.985 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN063889.D

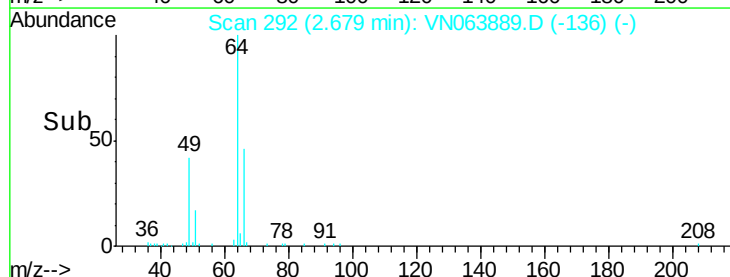
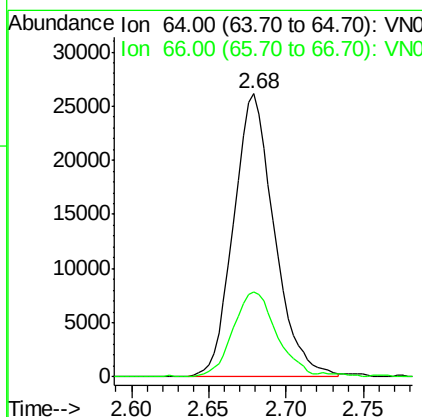
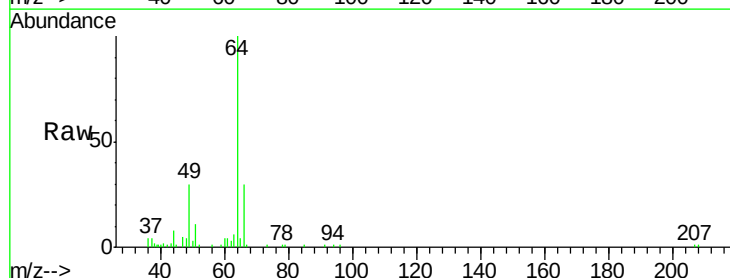
Acq: 6 Oct 2020 10:51

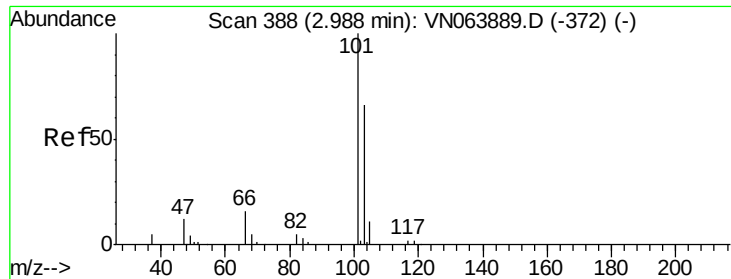
Tgt Ion: 64 Resp: 47908

Ion Ratio Lower Upper

64 100

66 30.2 24.2 36.2





#7

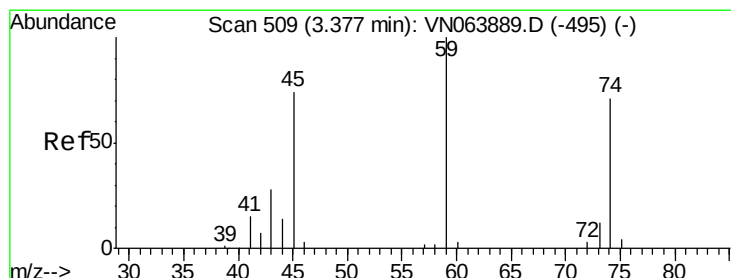
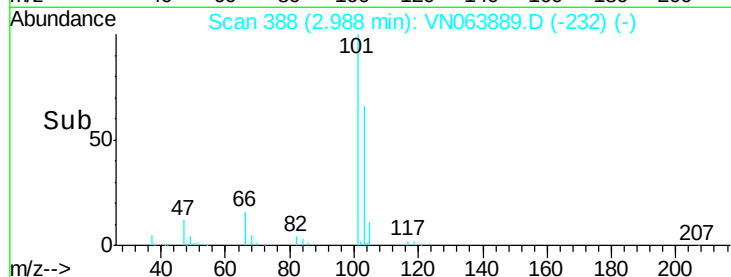
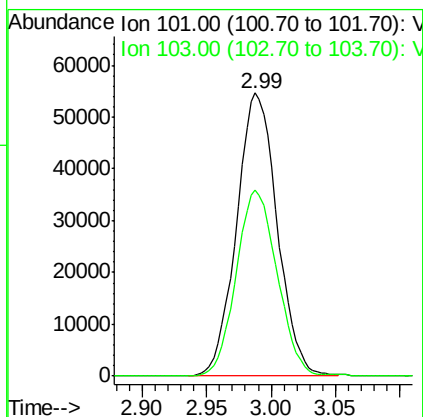
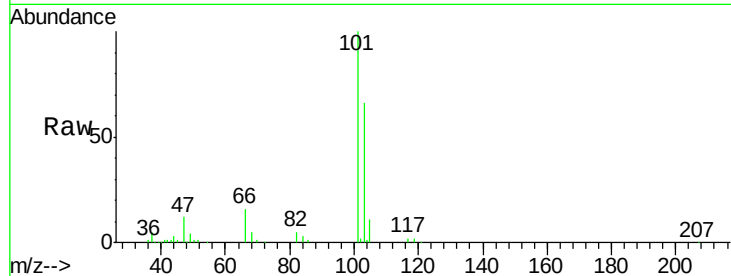
Trichlorofluoromethane
Concen: 23.433 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
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ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

Manual Integrations
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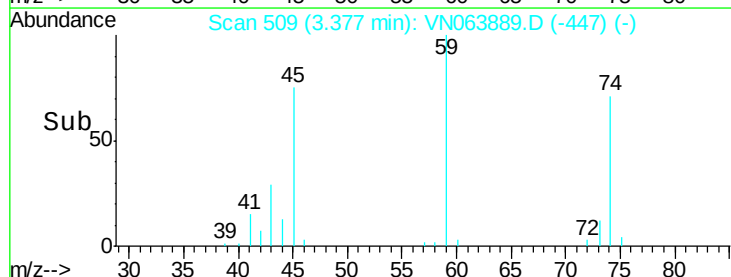
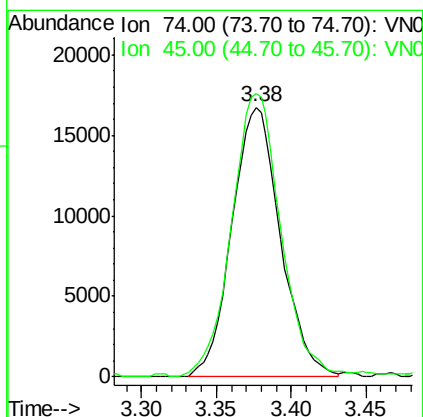
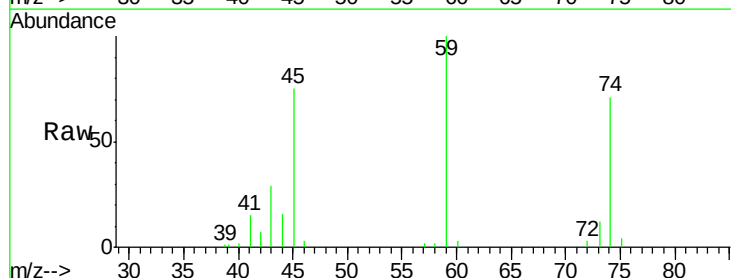
MMDadoda
10/7/2020 12:11:29 PM

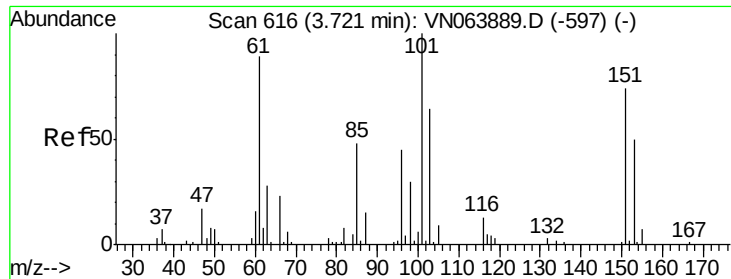


#8

Diethyl Ether
Concen: 22.274 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	21.4	192.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.743 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

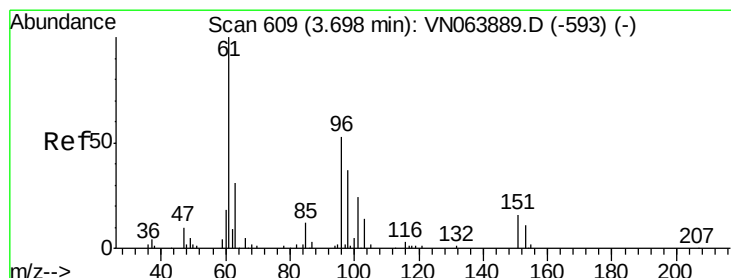
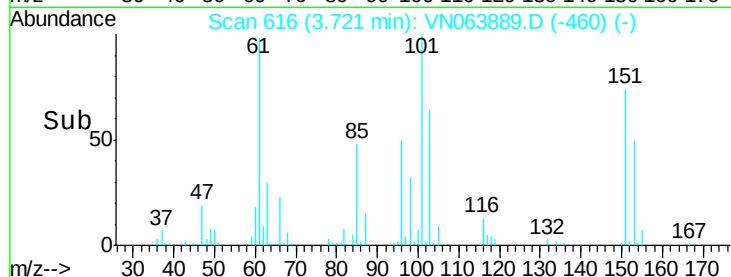
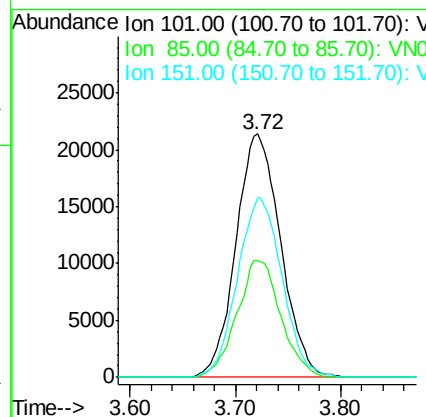
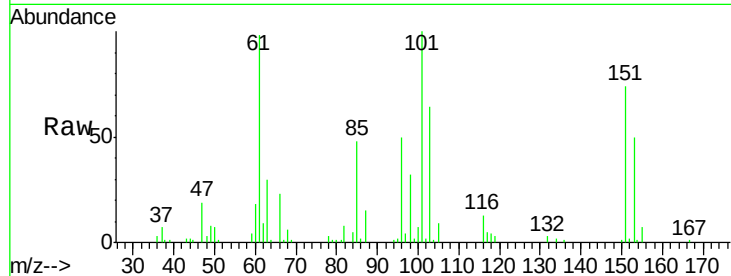
ClientSampled :

VSTDICCC020

Tot Ion:	101	Resp:	63085
Ion Ratio	Lower	Upper	
101	100		
85	47.3	0.0	94.6
151	73.5	0.0	147.0

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:29 PM



#10

1,1-Dichloroethene

Concen: 23.074 ug/l

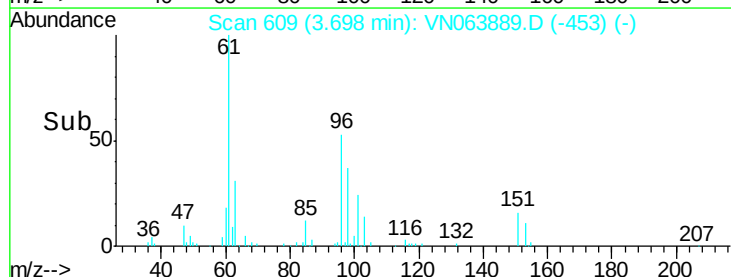
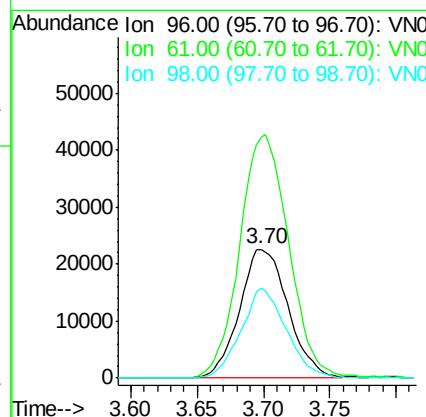
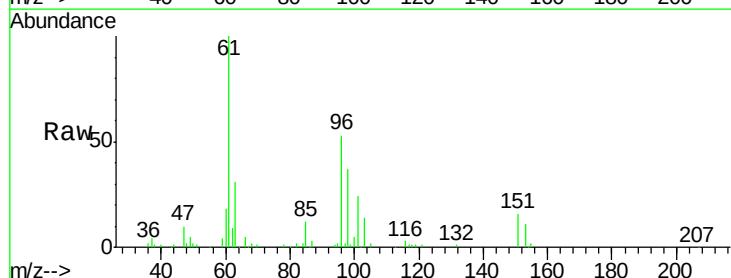
RT: 3.70 min Scan# 609

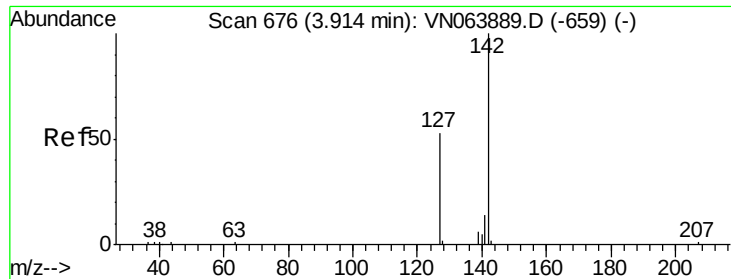
Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion:	96	Resp:	57743
Ion Ratio	Lower	Upper	
96	100		
61	188.0	150.4	225.6
98	69.8	55.8	83.8





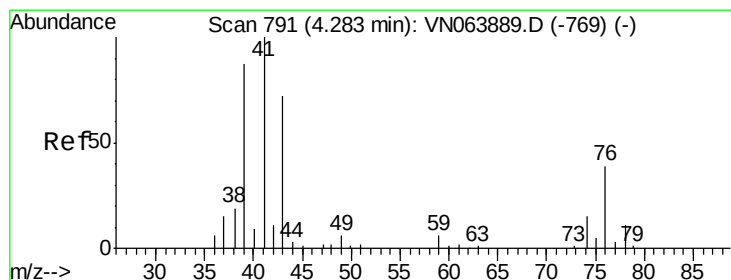
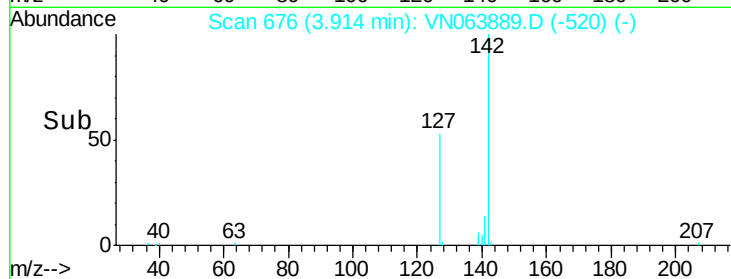
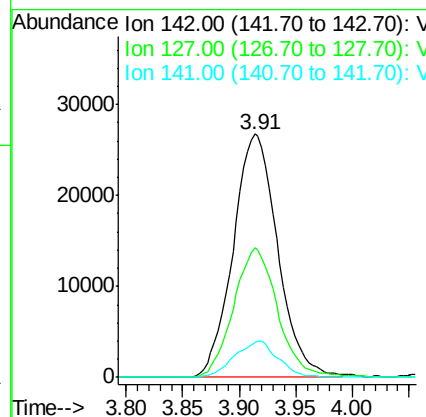
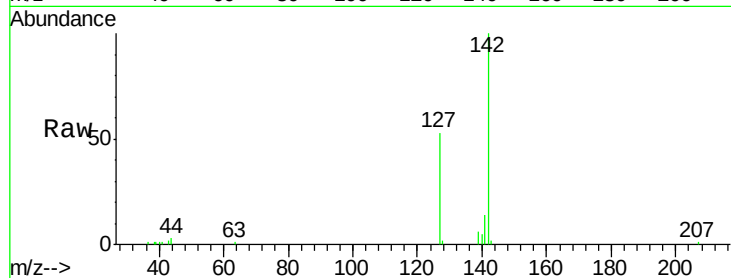
#11
Methyl Iodide
Concen: 21.572 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.9	26.5	79.4
141	14.3	7.1	21.4

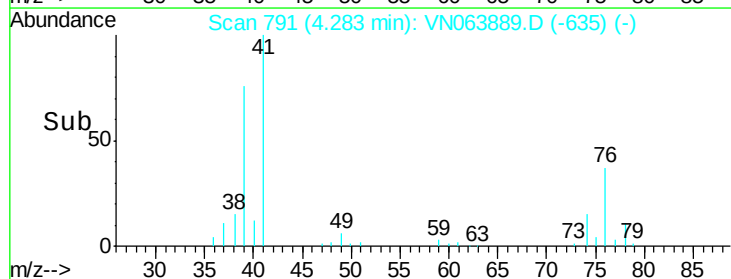
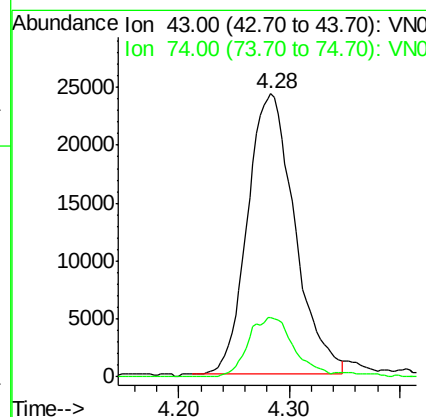
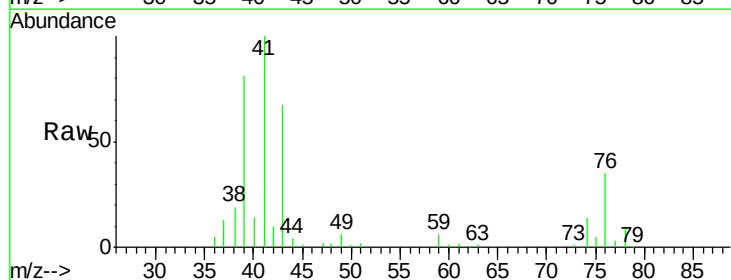
Manual Integrations
APPROVED

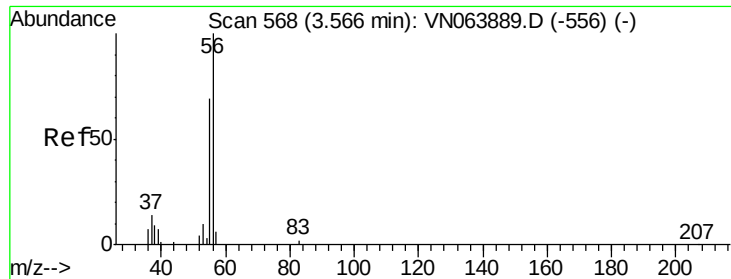
MMDadoda
10/7/2020 12:11:29 PM



#12
Methyl Acetate
Concen: 21.984 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





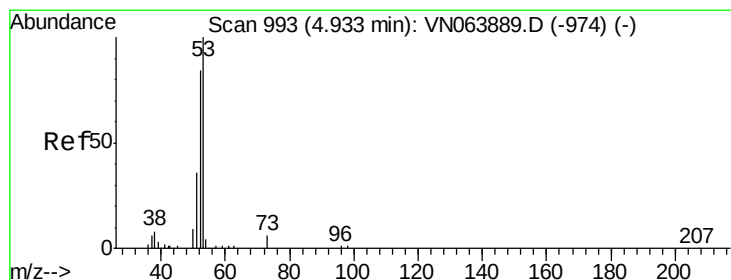
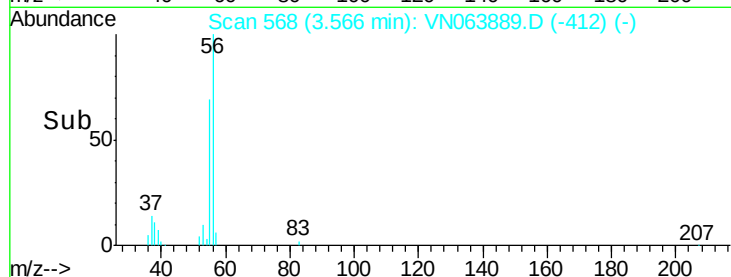
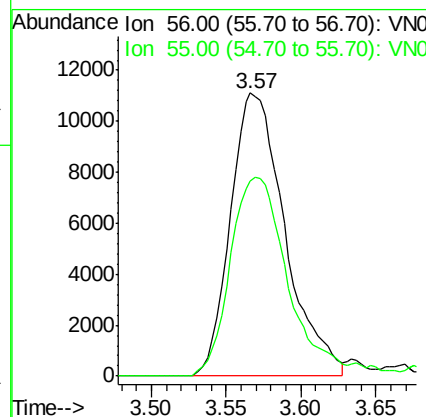
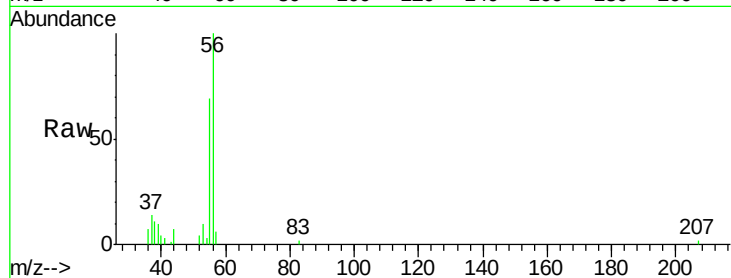
#13
Acrolein
Concen: 86.935 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.2	58.6	87.8

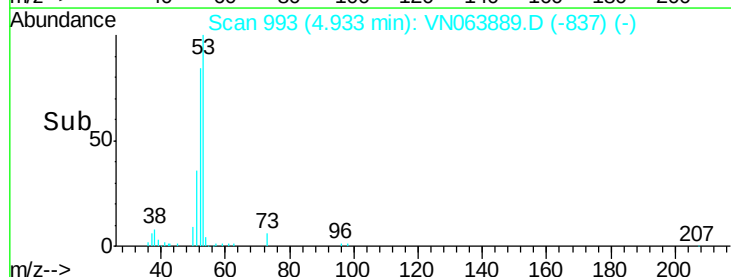
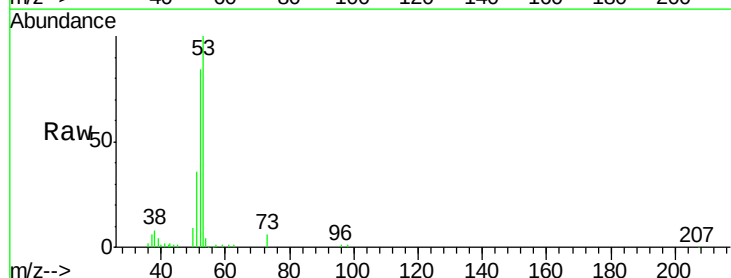
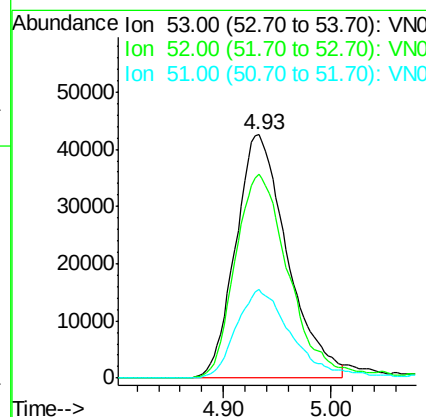
Manual Integrations
APPROVED

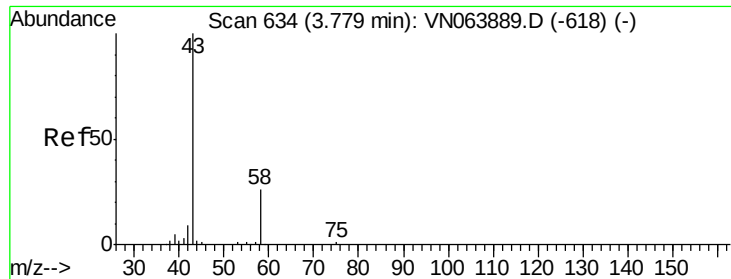
MMDadoda
10/7/2020 12:11:29 PM



#14
Acrylonitrile
Concen: 101.166 ug/l
RT: 4.93 min Scan# 993
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	86.4	43.2	129.6
51	51	38.9	19.4	58.4





#15

Acetone

Concen: 103.890 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 42485

Ion Ratio Lower Upper

58 100

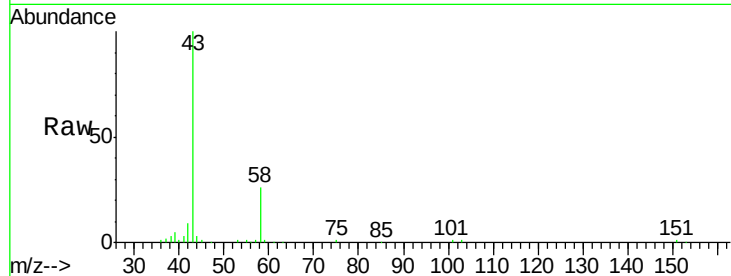
43 378.0 302.4 453.6

Manual Integrations

APPROVED

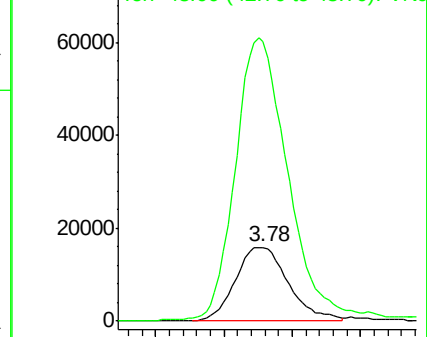
MMDadoda

10/7/2020 12:11:29 PM

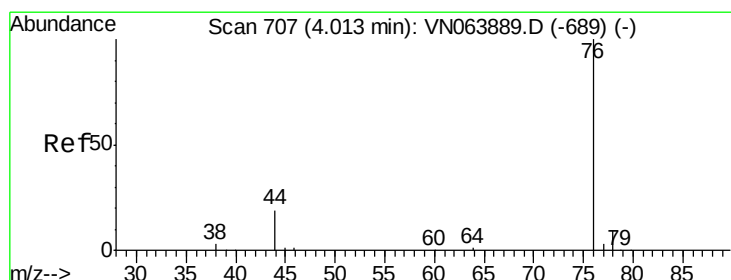
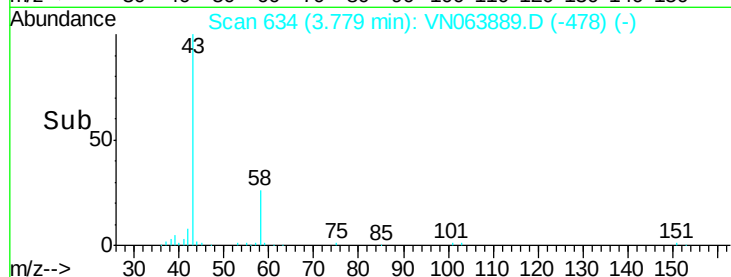


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 24.832 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063889.D

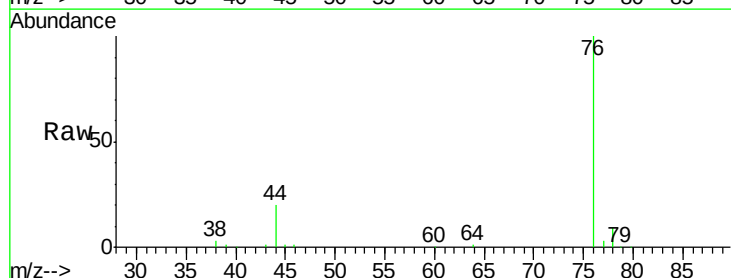
Acq: 6 Oct 2020 10:51

Tgt Ion: 76 Resp: 170489

Ion Ratio Lower Upper

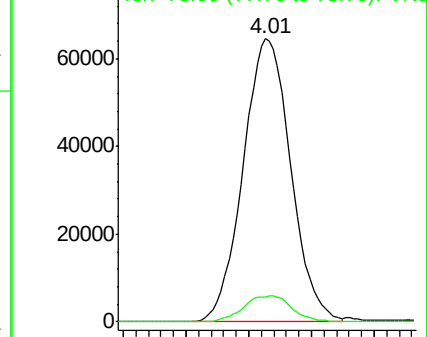
76 100

78 9.2 7.4 11.0

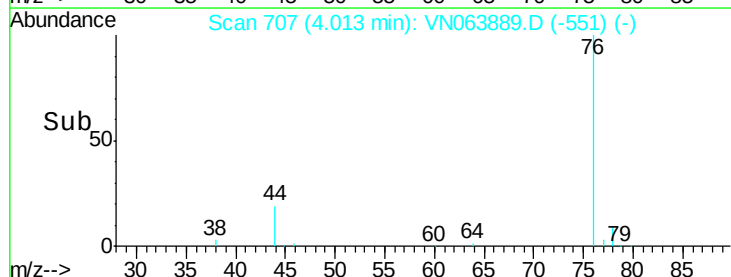


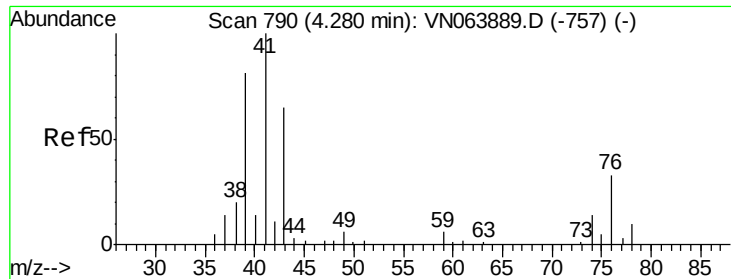
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





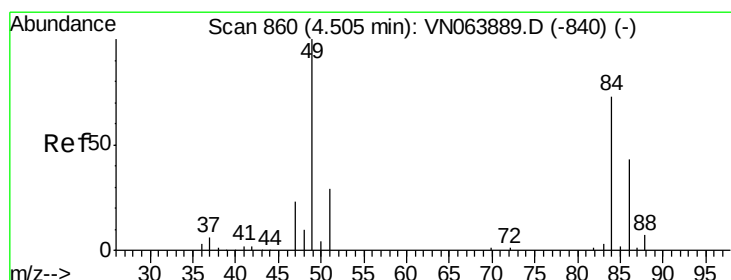
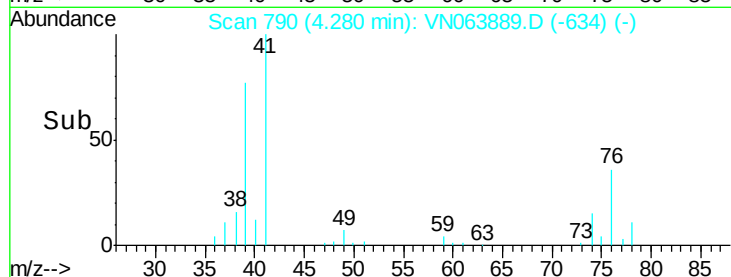
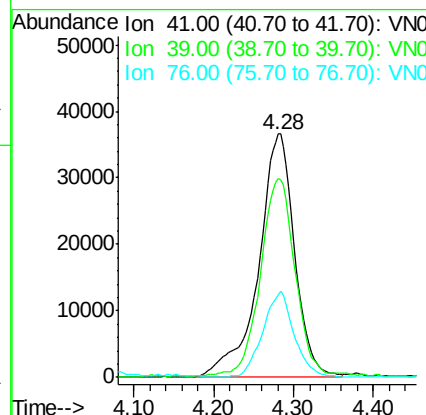
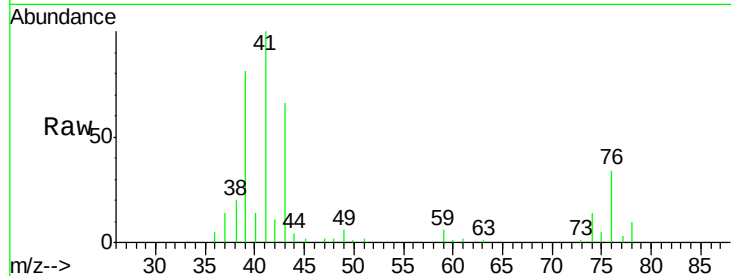
#17
Allvl chloride
Concen: 24.232 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.4	40.7	122.1
76	33.9	17.0	50.9

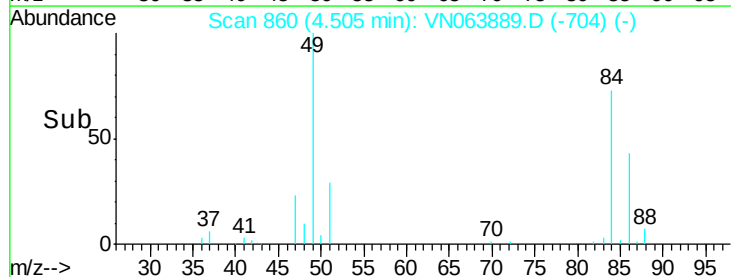
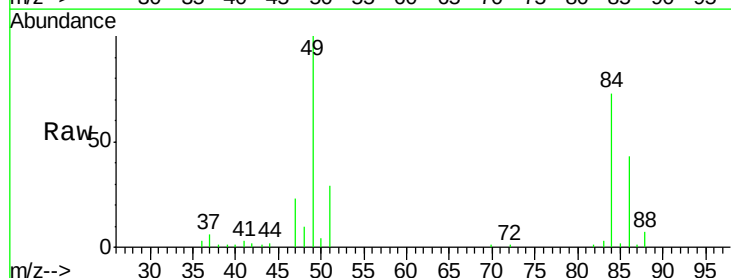
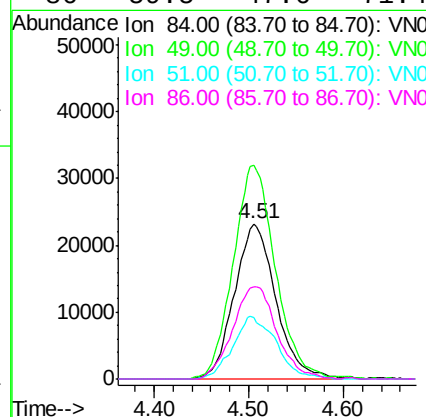
Manual Integrations
APPROVED

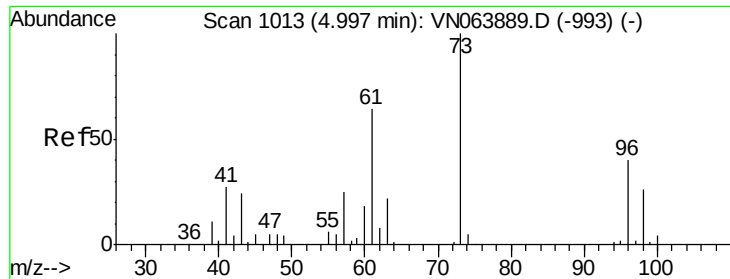
MMDadoda
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#18
Methylene Chloride
Concen: 20.844 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.1	109.7	164.5
51	39.3	31.4	47.2
86	59.5	47.6	71.4





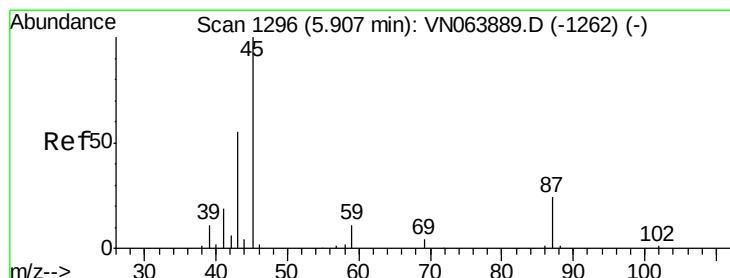
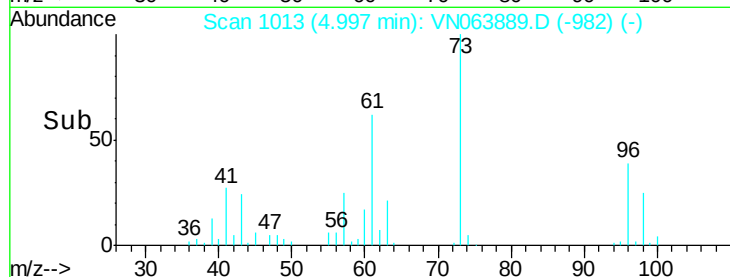
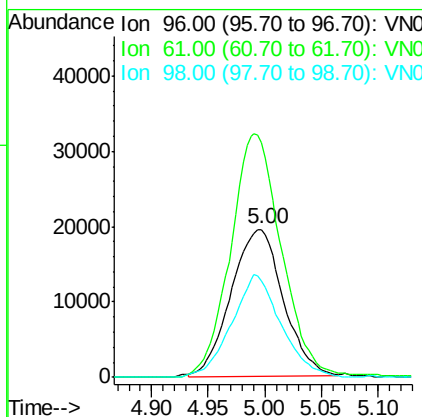
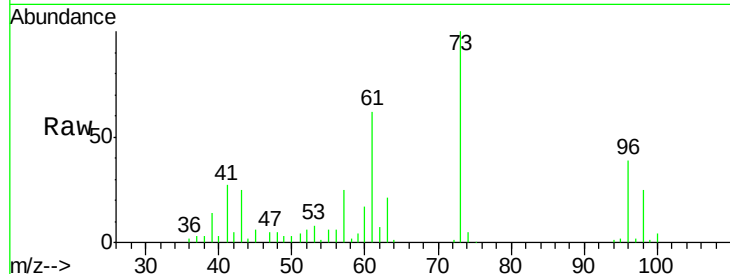
#19
trans-1,2-Dichloroethene
Concen: 22.797 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	127.9	191.9
98	65.6	52.5	78.7

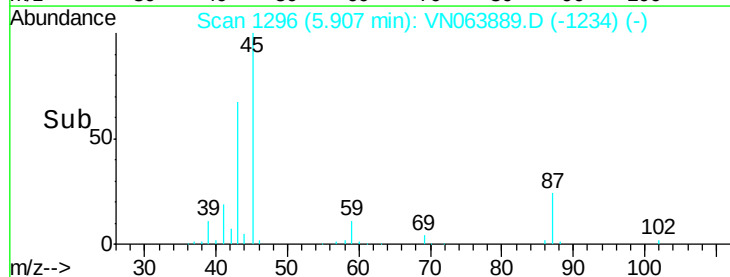
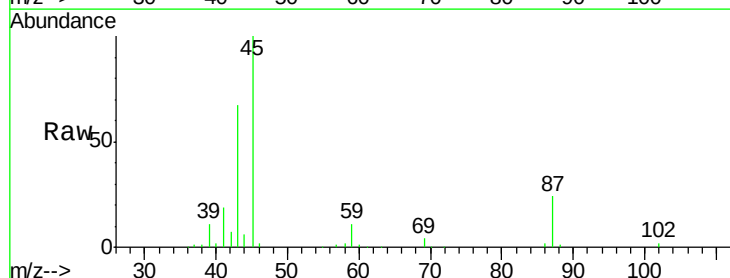
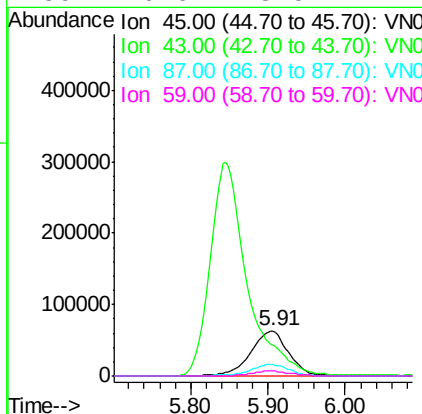
Manual Integrations
APPROVED

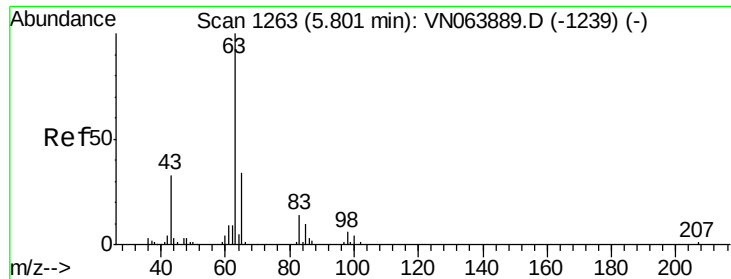
MMDadoda
10/7/2020 12:11:29 PM



#20
Diisopropyl ether
Concen: 20.620 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	51.3	76.9
87	24.4	19.5	29.3
59	10.6	8.5	12.7





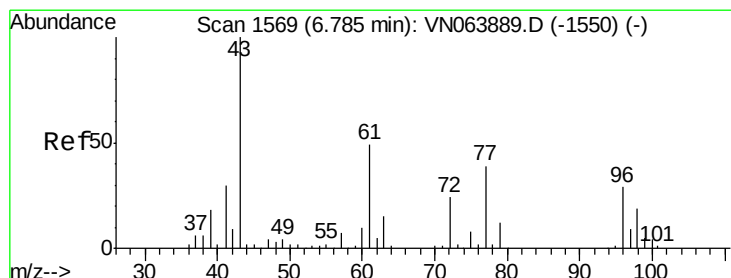
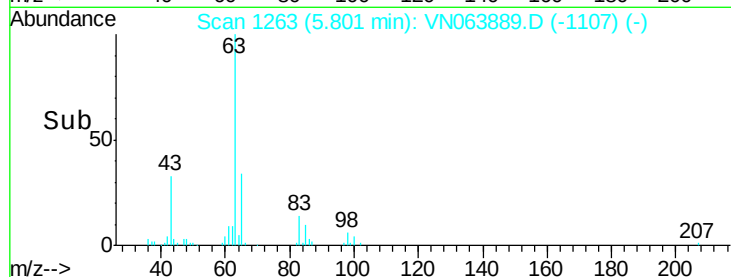
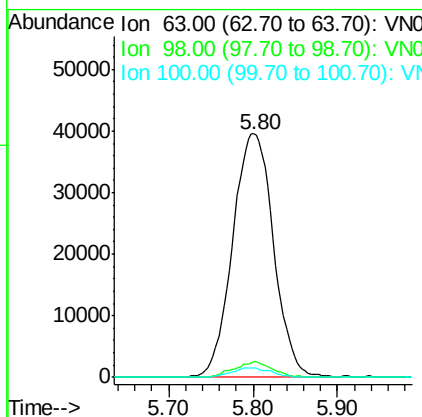
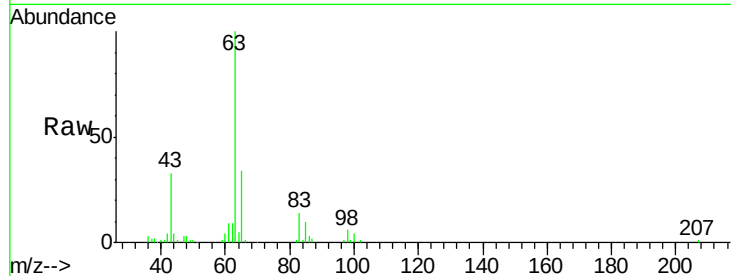
#21
 1,1-Dichloroethane
 Concen: 22.701 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	133116		
98	6.5	3.3	9.8	
100	3.9	2.0	5.8	

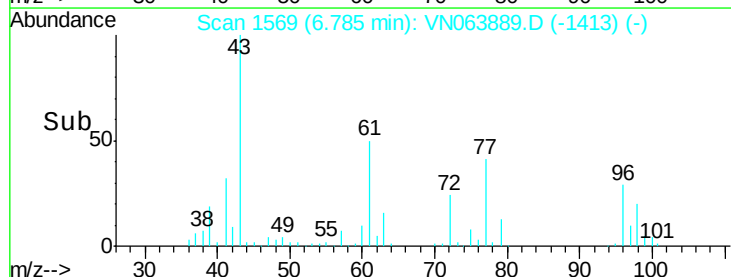
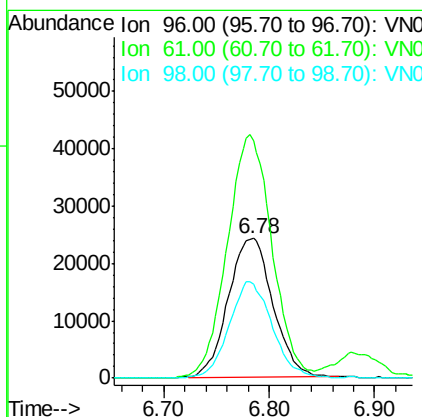
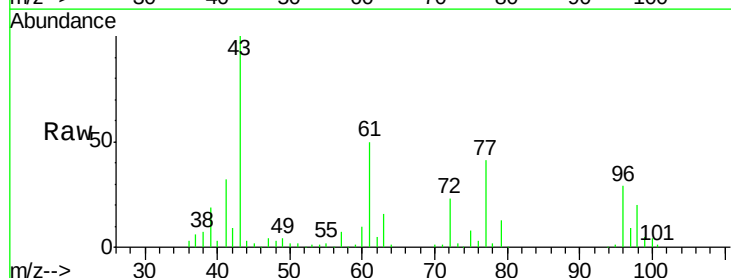
Manual Integrations
 APPROVED

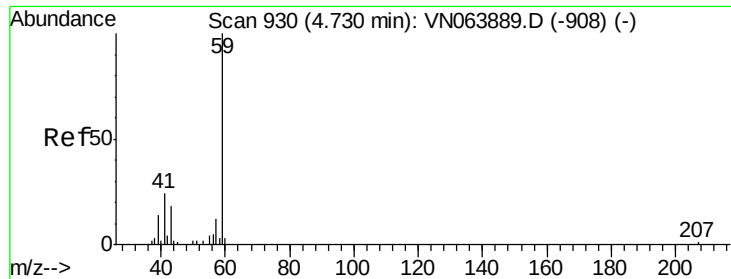
MMDadoda
 10/7/2020 12:11:29 PM



#22
 cis-1,2-Dichloroethene
 Concen: 21.360 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	71592		
61	174.5	139.6	209.4	
98	66.7	53.4	80.0	





#23

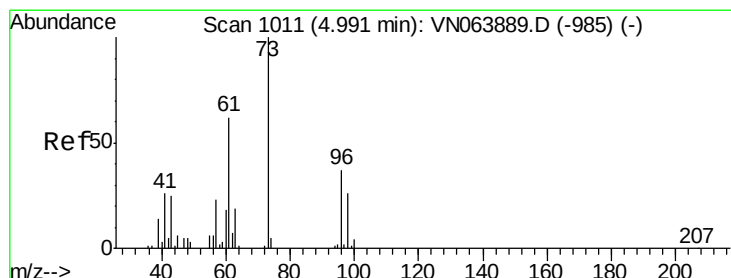
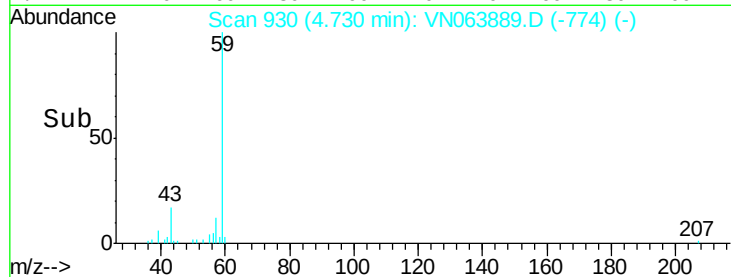
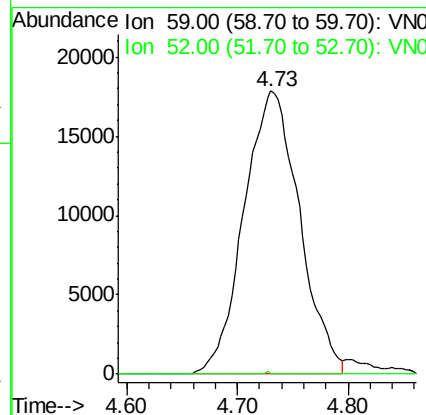
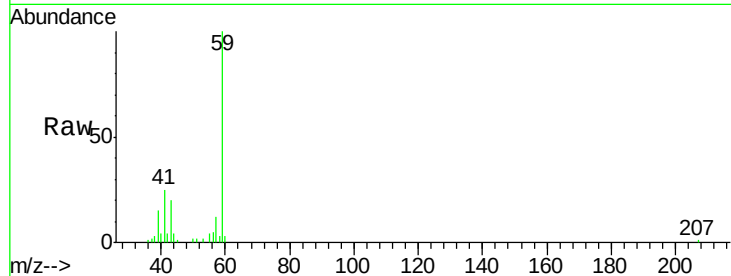
tert-Butyl Alcohol
Concen: 127.238 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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

Manual Integrations
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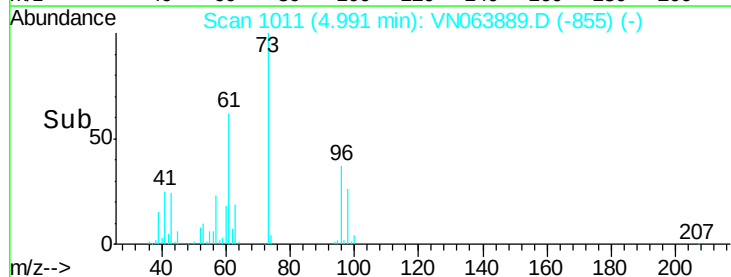
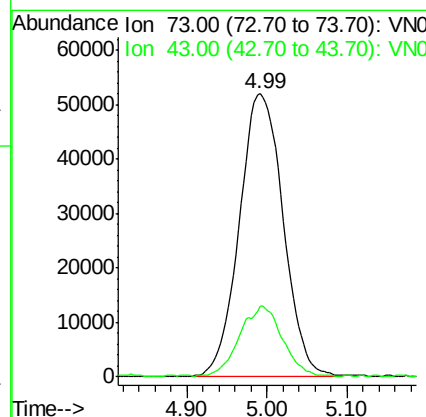
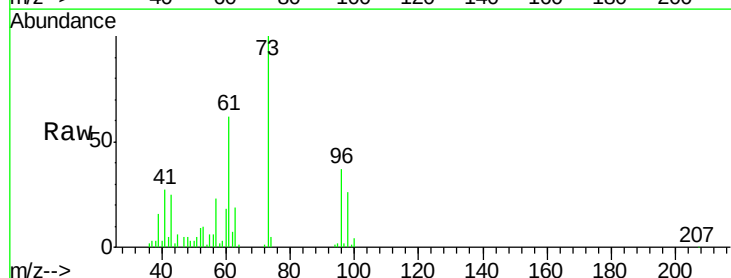
MMDadoda
10/7/2020 12:11:29 PM

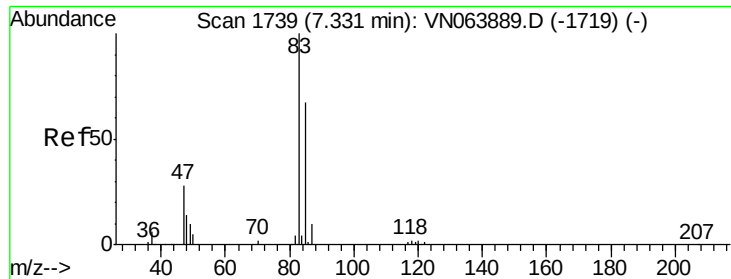


#24

Methyl tert-Butyl Ether
Concen: 21.533 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	8.0	6.4	9.6	





#25

Chloroform

Concen: 23.409 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 83 Resp: 138408

Ion Ratio Lower Upper

83 100

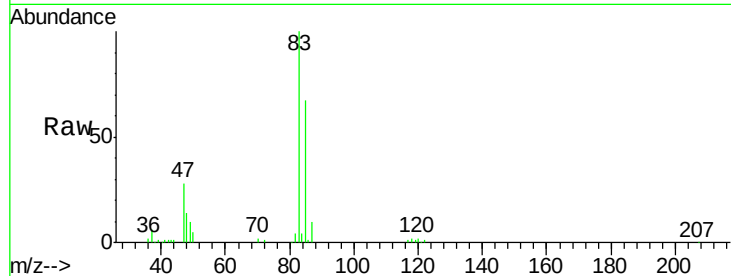
85 66.5 53.2 79.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:29 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

60000

50000

40000

30000

20000

10000

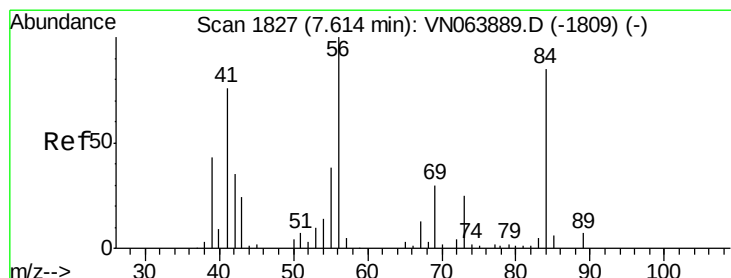
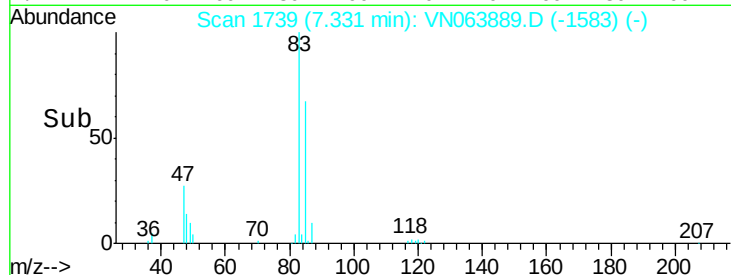
0

7.20

7.30

7.40

Time-->



#26

Cyclohexane

Concen: 18.896 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

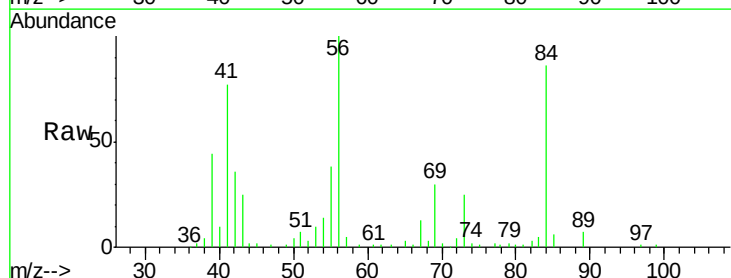
Tgt Ion: 56 Resp: 91142

Ion Ratio Lower Upper

56 100

89 6.8 5.4 8.2

84 85.2 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

60000

40000

20000

0

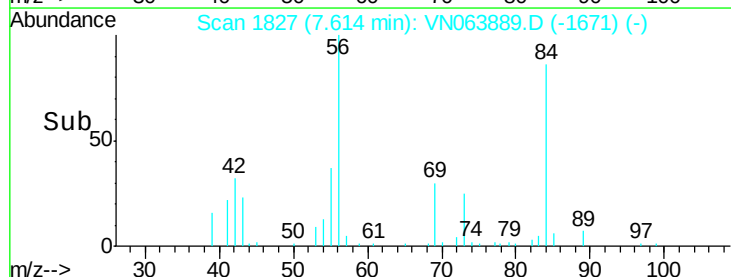
7.55

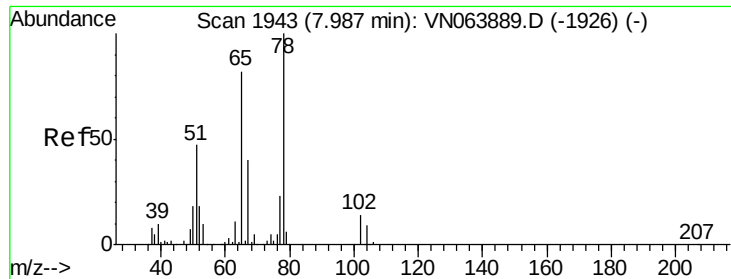
7.60

7.65

7.70

Time-->





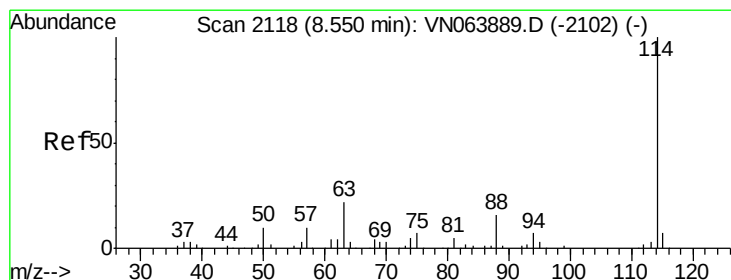
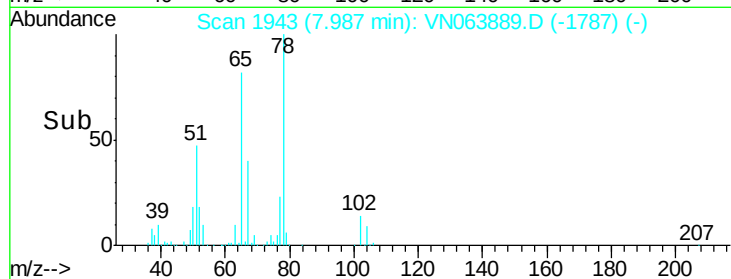
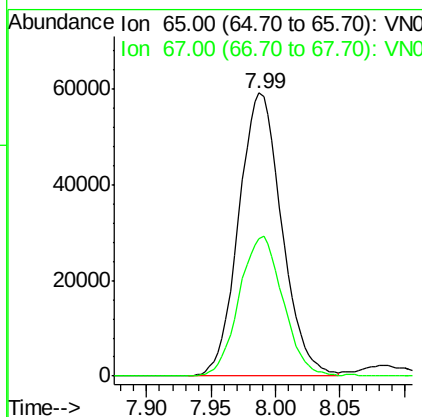
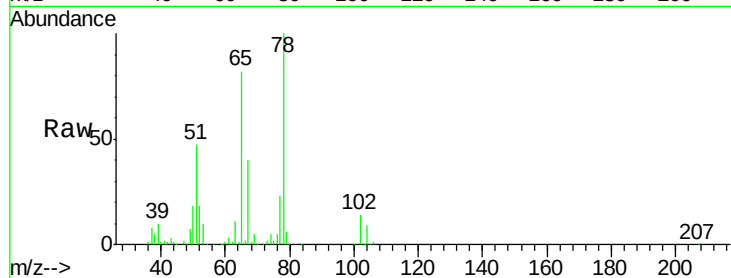
#27
 1,2-Dichloroethane-d4
 Concen: 36.535 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	40.0	60.0

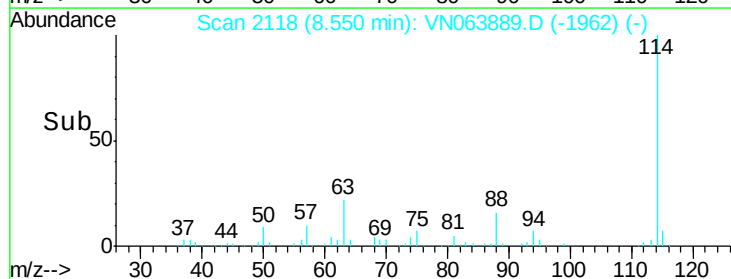
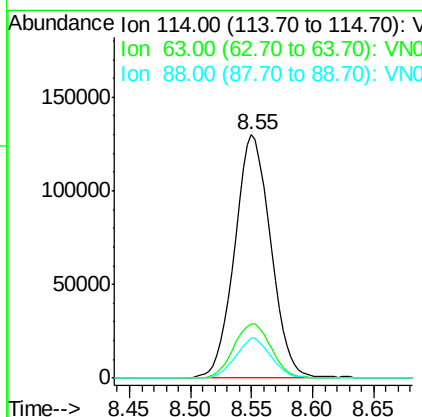
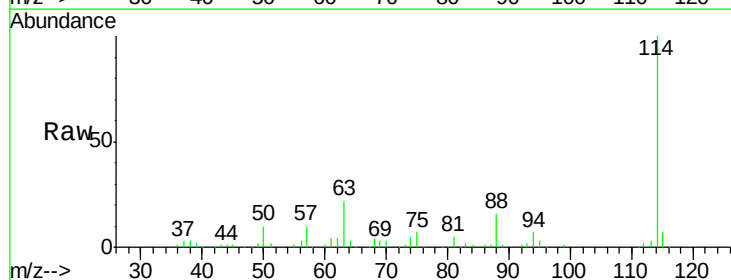
Manual Integrations
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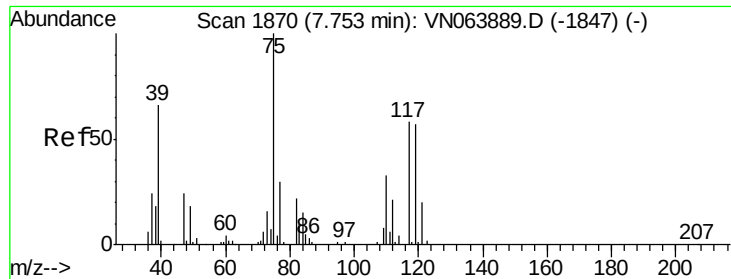
MMDadoda
 10/7/2020 12:11:29 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	18.6	28.0
88	16.1	12.9	19.3





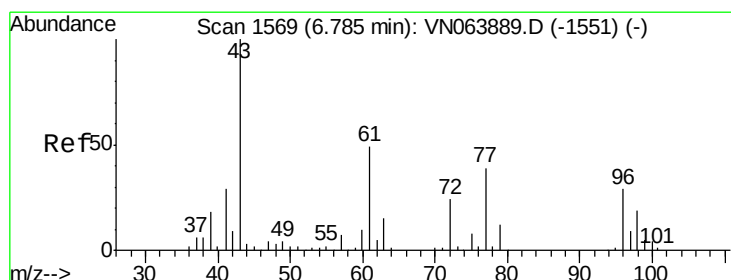
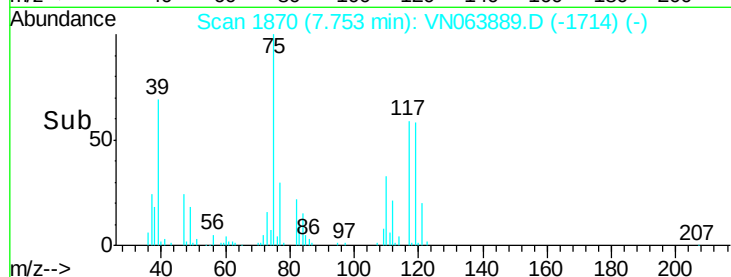
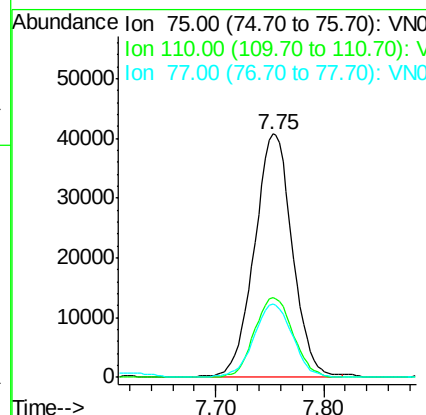
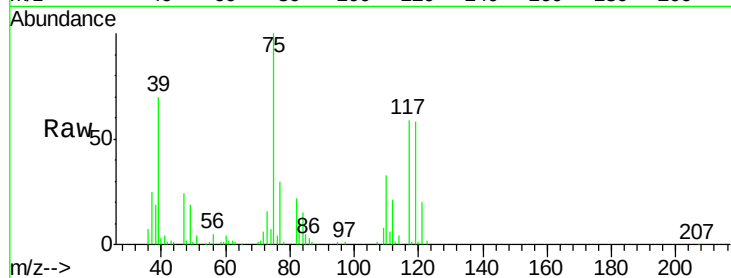
#29
 1,1-Dichloropropene
 Concen: 23.987 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.3	0.0	66.6
77	30.7	0.0	61.4

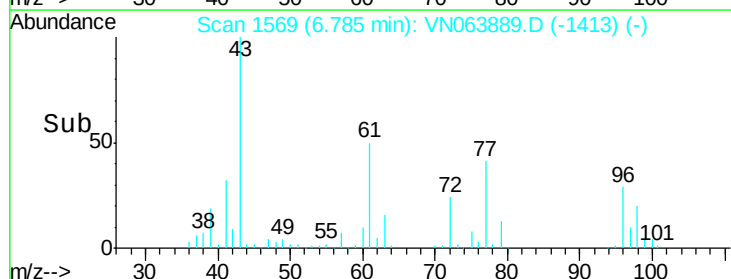
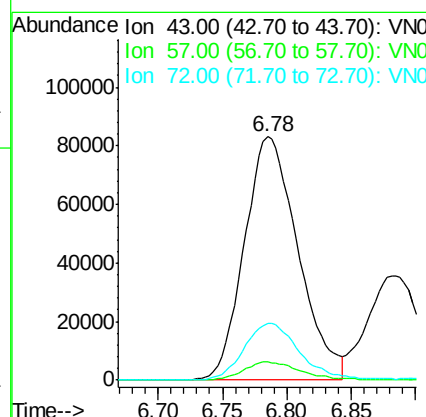
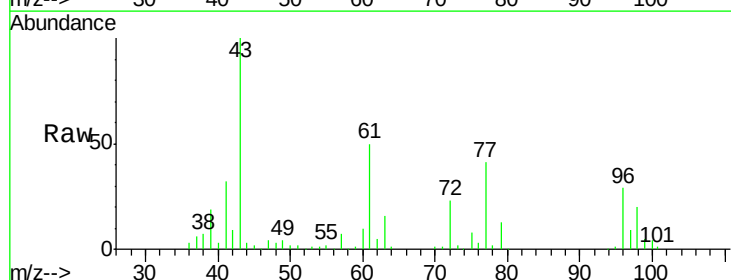
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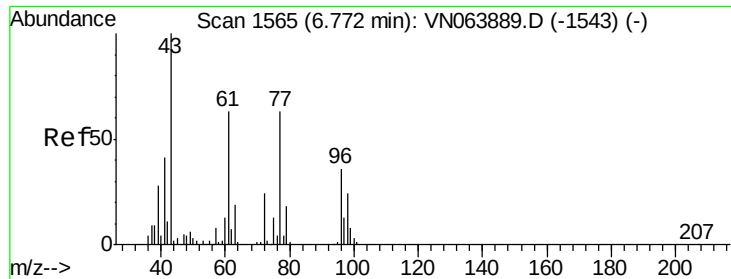
MMDadoda
 10/7/2020 12:11:29 PM



#30
 2-Butanone
 Concen: 122.849 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.2
72	24.3	19.4	29.2





#31

2,2-Dichloropropane

Concen: 23.853 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 120178

Ion Ratio Lower Upper

77 100

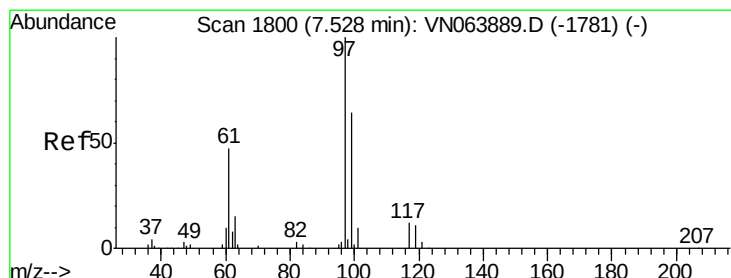
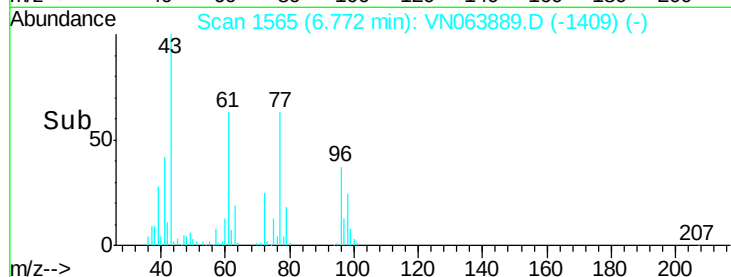
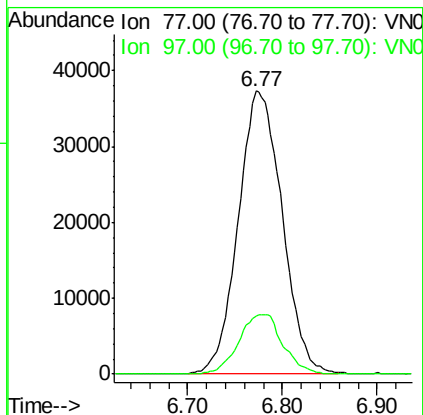
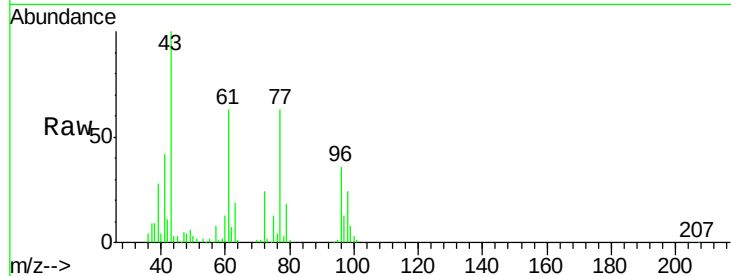
97 12.7 10.2 15.2

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 25.329 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

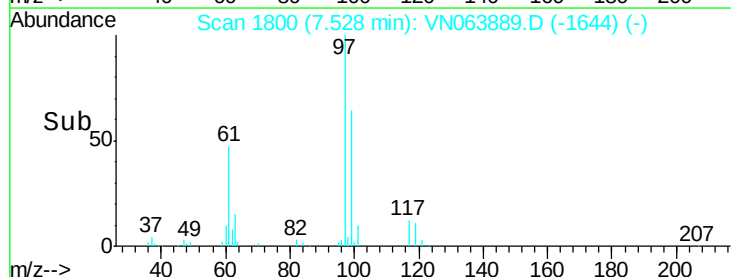
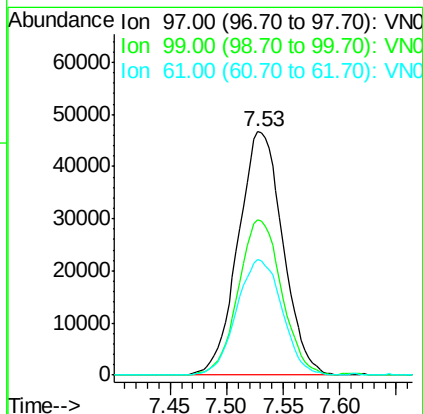
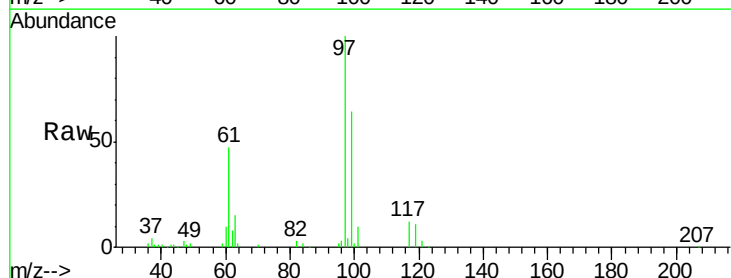
Tgt Ion: 97 Resp: 128331

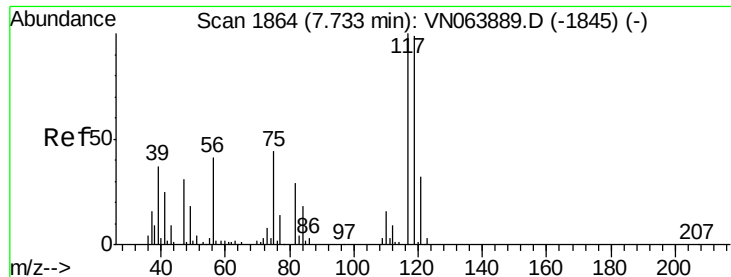
Ion Ratio Lower Upper

97 100

99 62.1 49.7 74.5

61 48.2 38.6 57.8





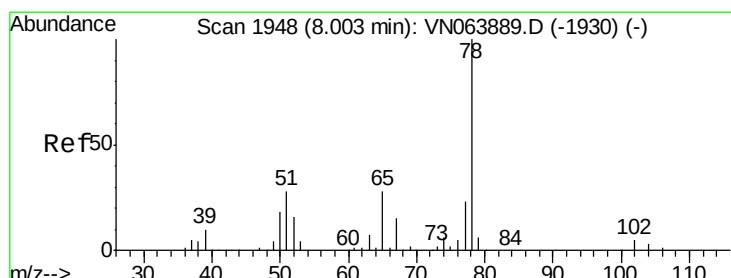
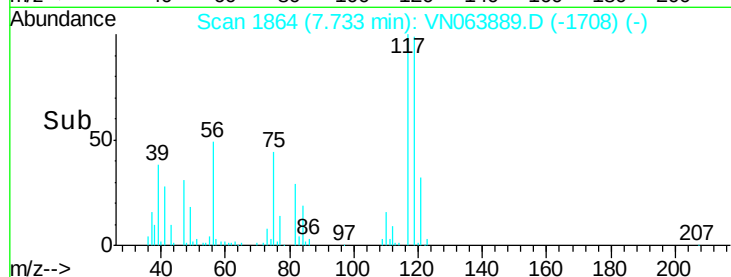
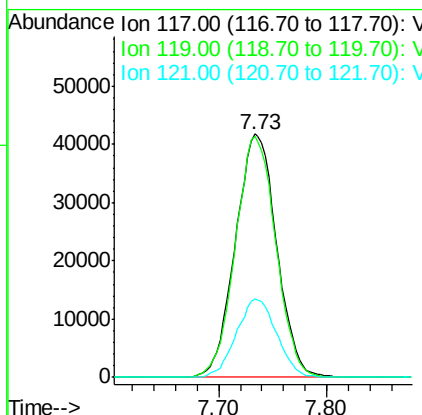
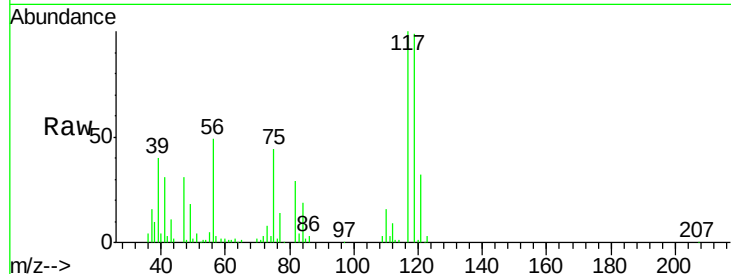
#33
Carbon Tetrachloride
Concen: 25.575 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.3	118.9
121	32.1	25.7	38.5

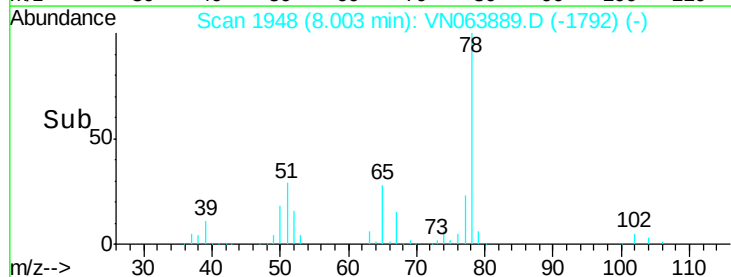
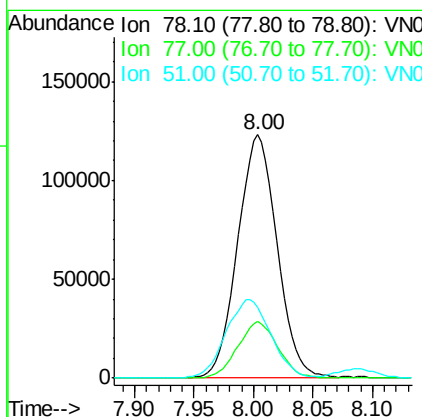
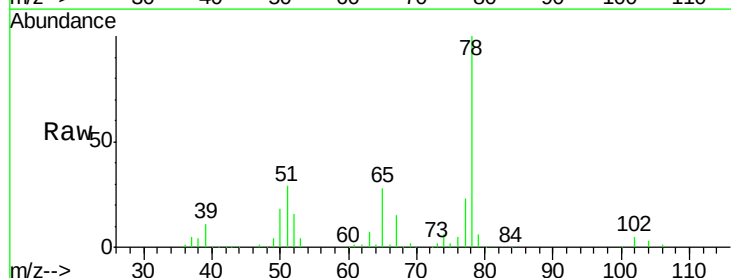
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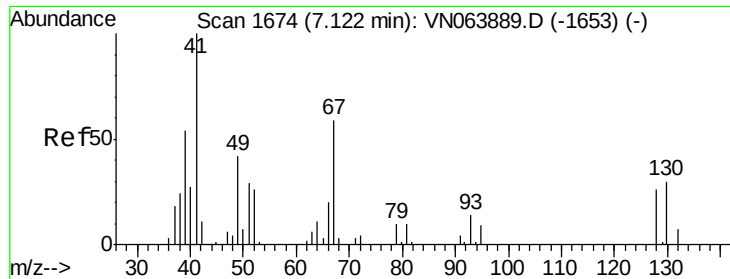
MMDadoda
10/7/2020 12:11:29 PM



#34
Benzene
Concen: 21.987 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
51	28.4	22.7	34.1





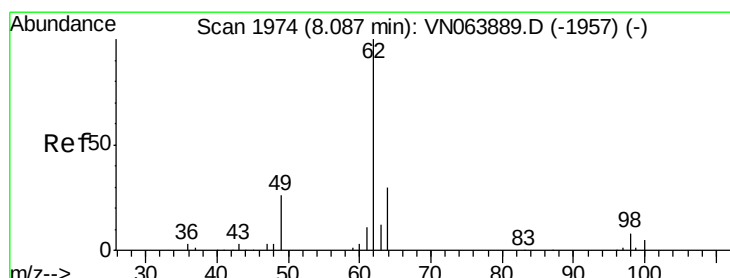
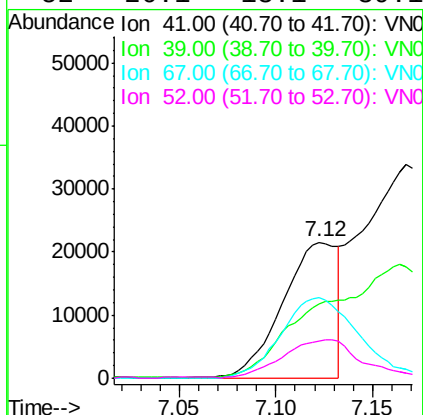
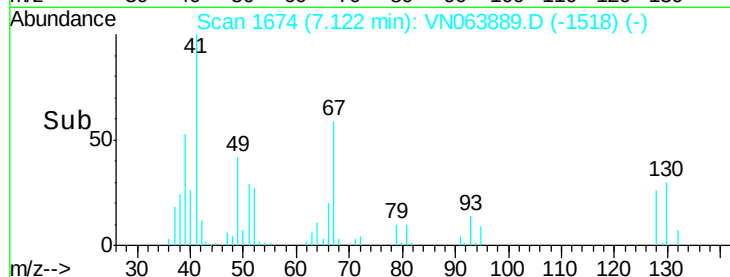
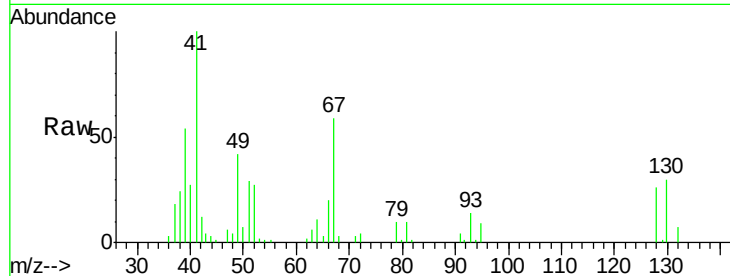
#35
Methacrylonitrile
Concen: 23.679 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	41	Resp	42626
Ion	Ratio	Lower	Upper
41	100		
39	53.5	26.8	80.3
67	59.5	29.8	89.3
52	26.1	13.1	39.1

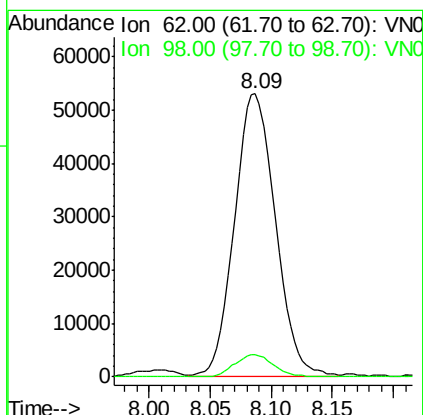
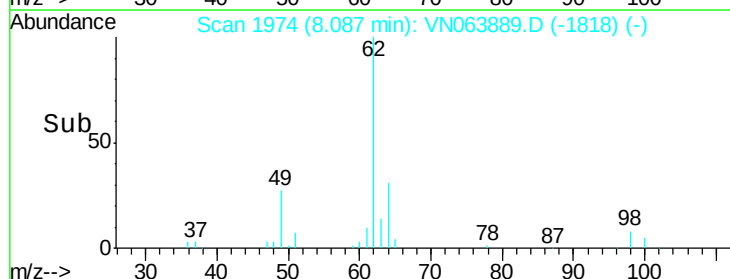
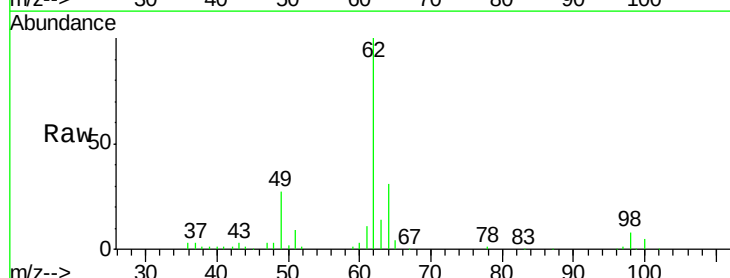
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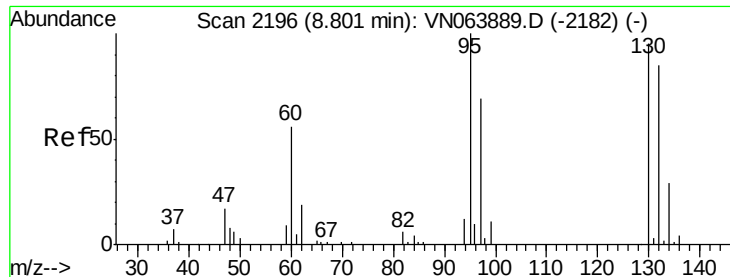
MMDadoda
10/7/2020 12:11:29 PM



#36
1,2-Dichloroethane
Concen: 26.568 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	62	Resp	123885
Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.9	8.9





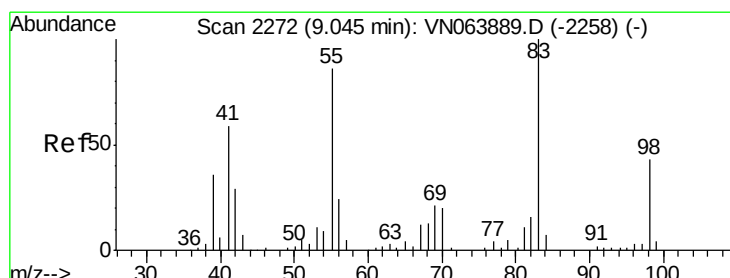
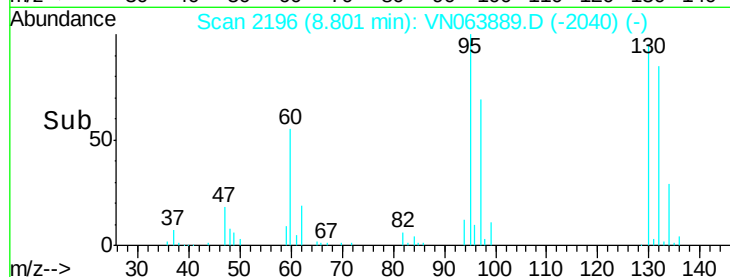
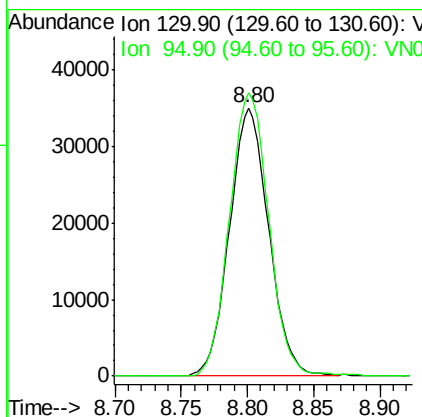
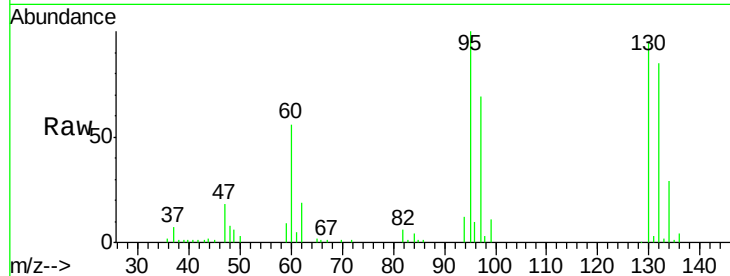
#37
 Trichloroethene
 Concen: 22.591 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 71955
 Ion Ratio Lower Upper
 130 100
 95 105.6 84.5 126.7

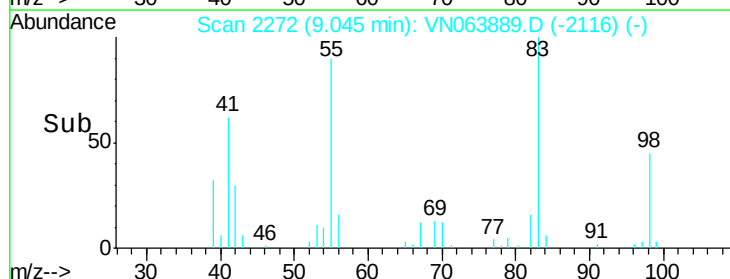
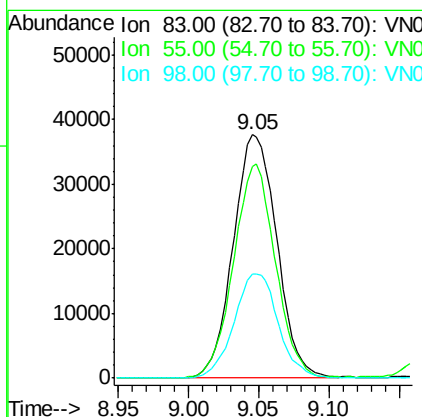
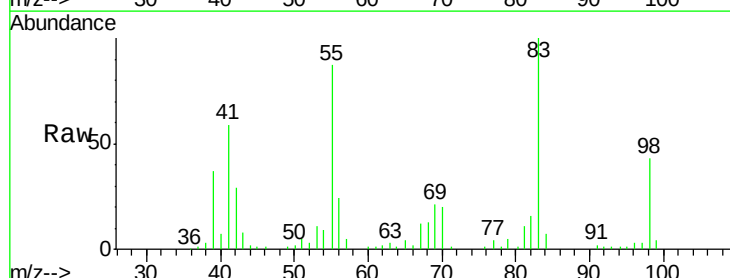
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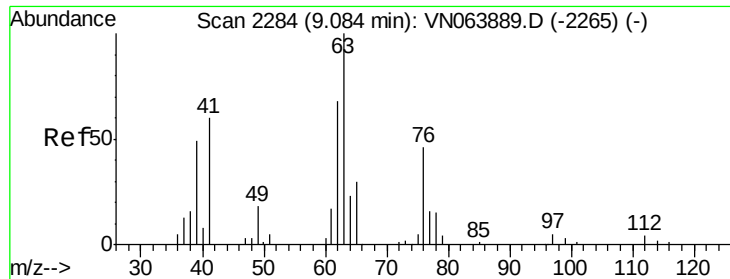
MMDadoda
 10/7/2020 12:11:29 PM



#38
 Methylcyclohexane
 Concen: 16.982 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 83 Resp: 81475
 Ion Ratio Lower Upper
 83 100
 55 84.7 42.4 127.1
 98 43.1 21.6 64.6





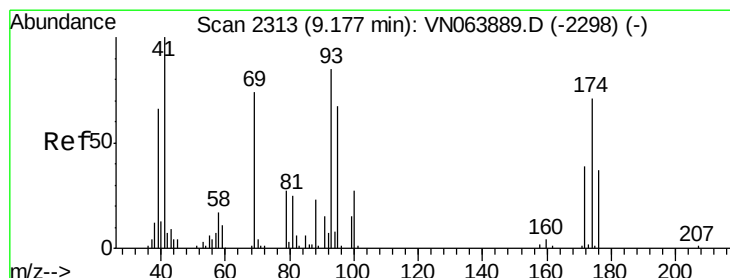
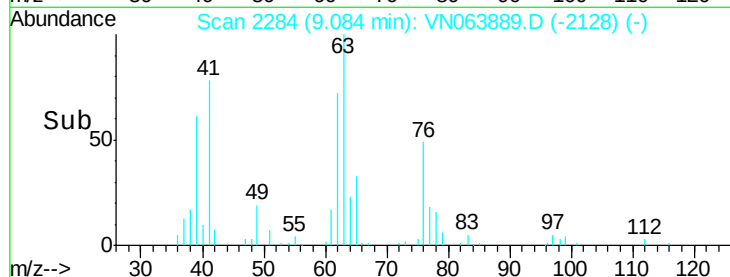
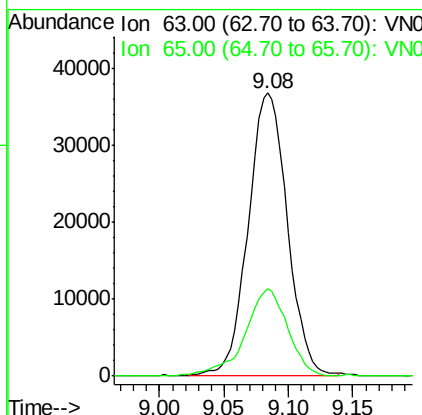
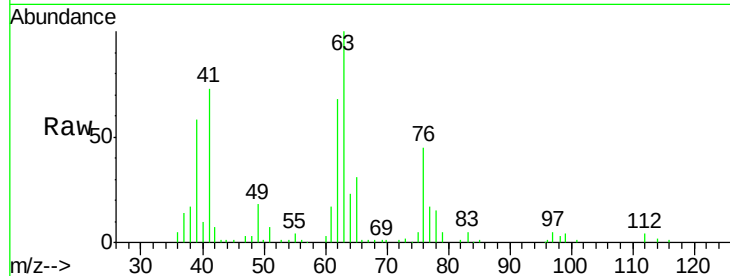
#39
 1,2-Dichloropropane
 Concen: 21.078 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 78109
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

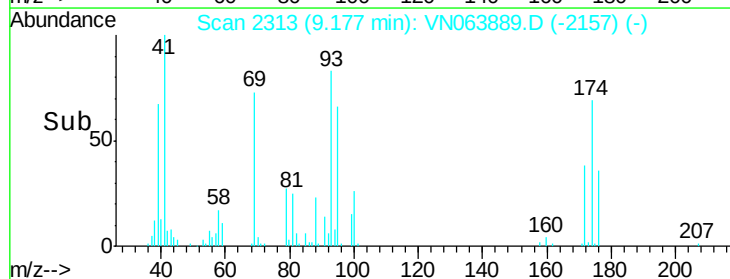
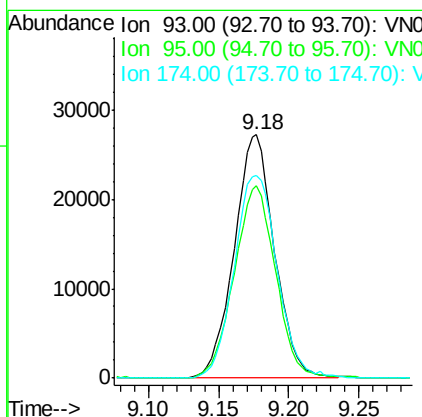
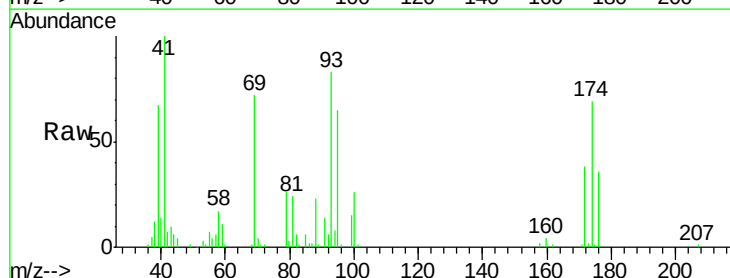
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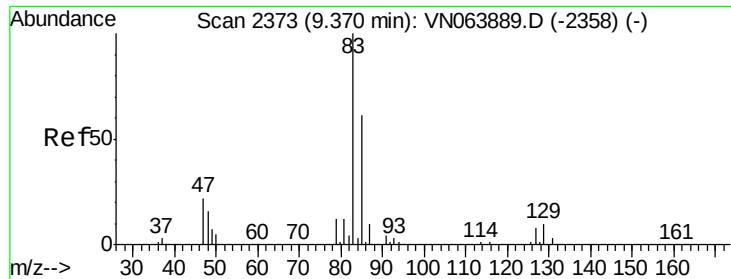
MMDadoda
 10/7/2020 12:11:29 PM



#40
 Dibromomethane
 Concen: 24.327 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion: 93 Resp: 54583
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 162.0
 174 88.3 0.0 176.6





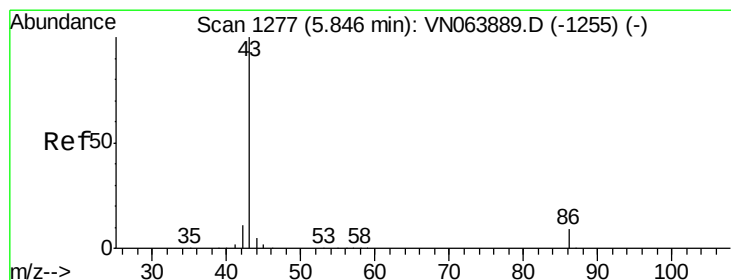
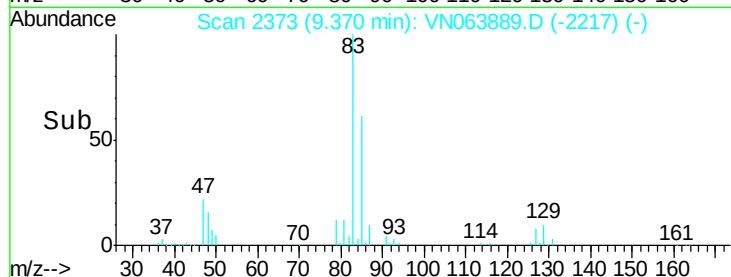
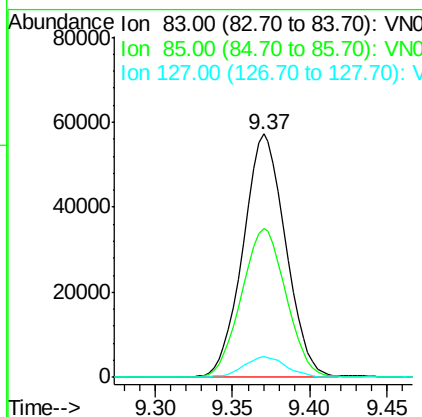
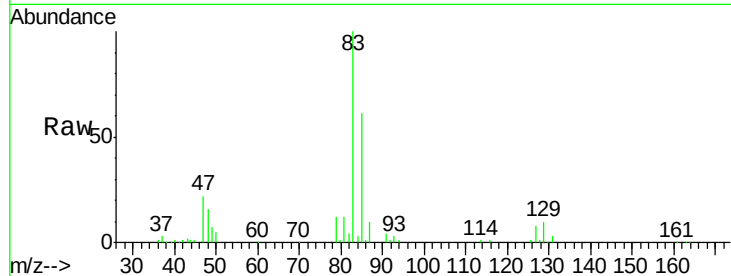
#41
Bromodichloromethane
Concen: 22.546 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	109985
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	49.0	73.6
127	8.4	6.7	10.1

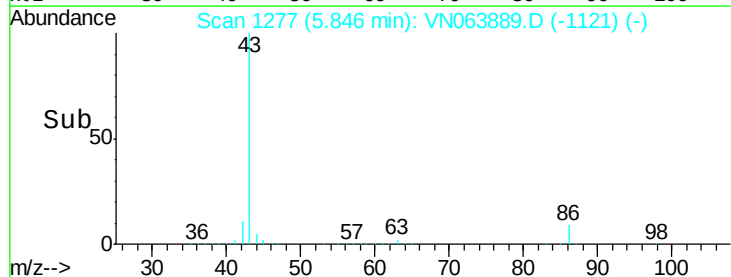
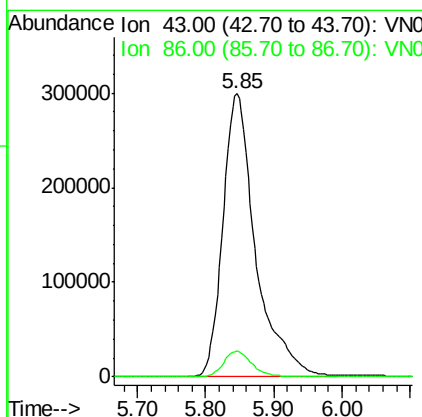
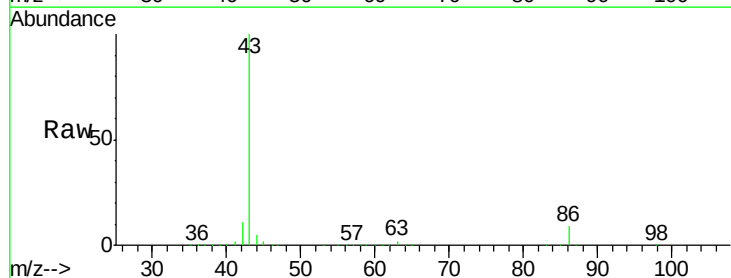
Manual Integrations
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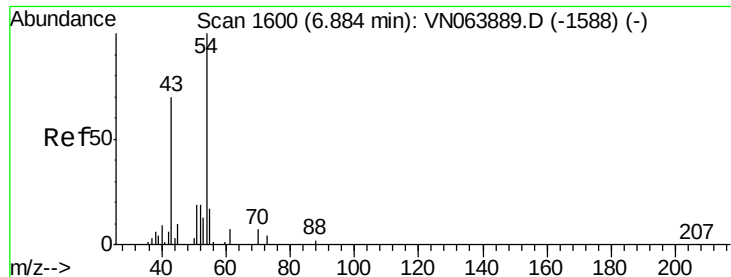
MMDadoda
10/7/2020 12:11:29 PM



#42
Vinyl Acetate
Concen: 131.304 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	43	Resp	999247
Ion Ratio	100	Lower	Upper
43	100		
86	8.0	6.4	9.6





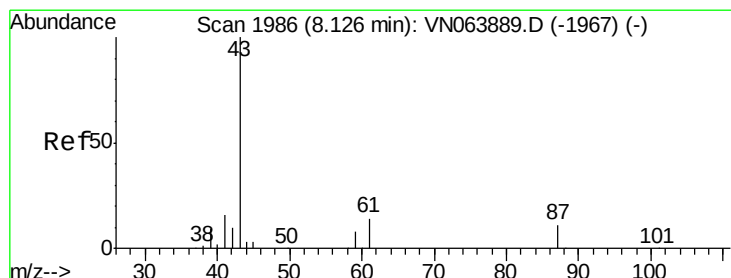
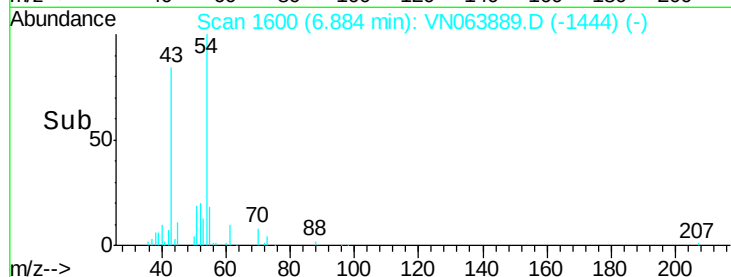
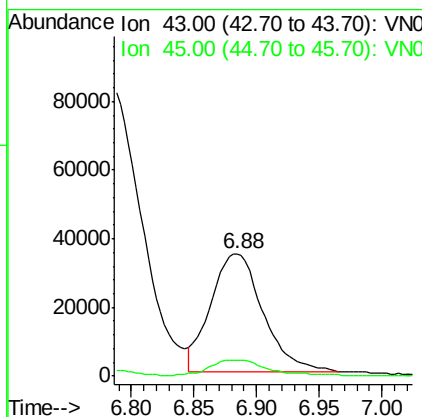
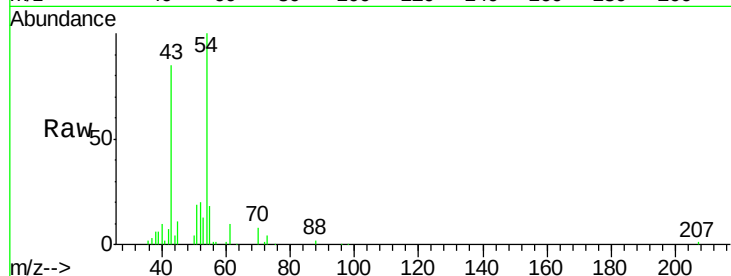
#43
Ethyl Acetate
Concen: 26.317 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
99533	100	12.8		10.2	15.4

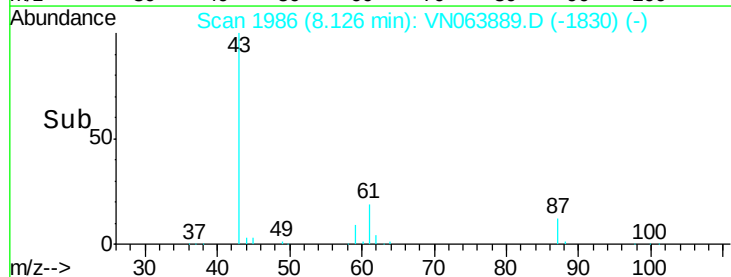
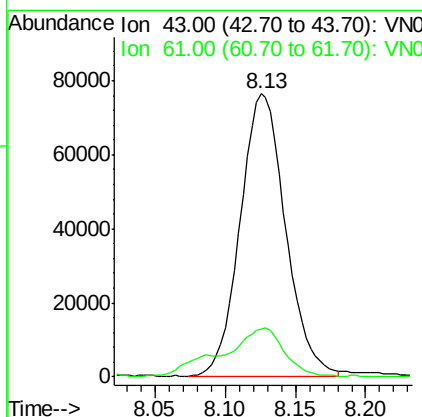
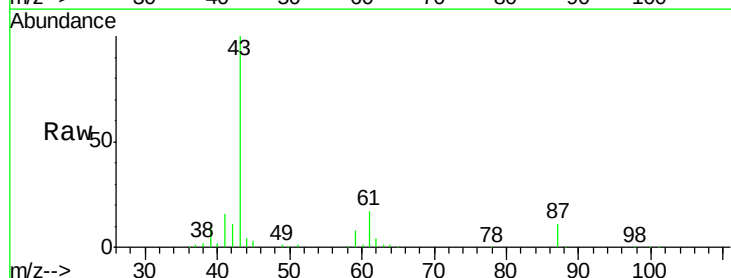
Manual Integrations
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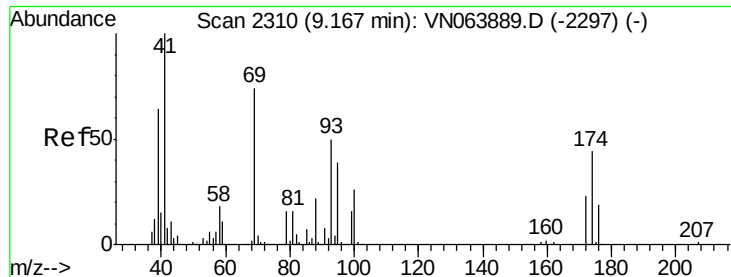
MMDadoda
10/7/2020 12:11:29 PM



#44
Isopropyl Acetate
Concen: 26.504 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	43	61	Ratio	Lower	Upper
171311	100	16.6		0.0	0.0#





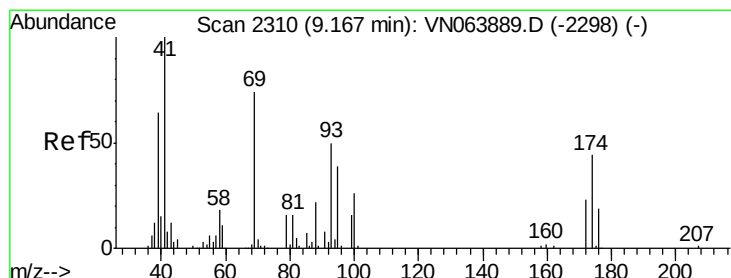
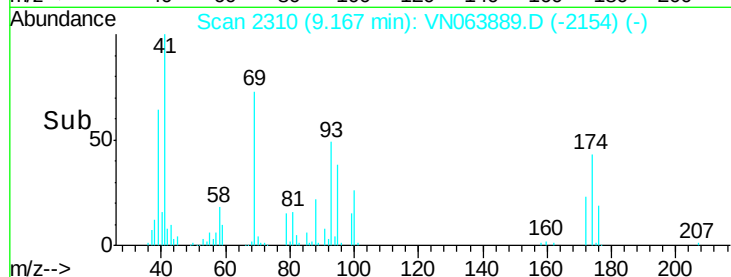
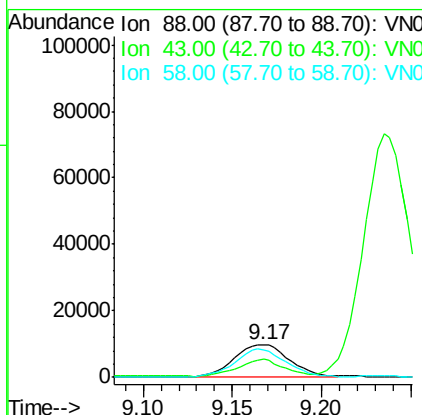
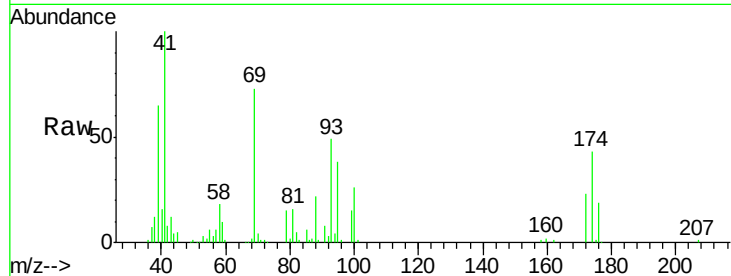
#45
1,4-Dioxane
Concen: 390.925 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	34.0	51.0
58	81.1	64.9	97.3

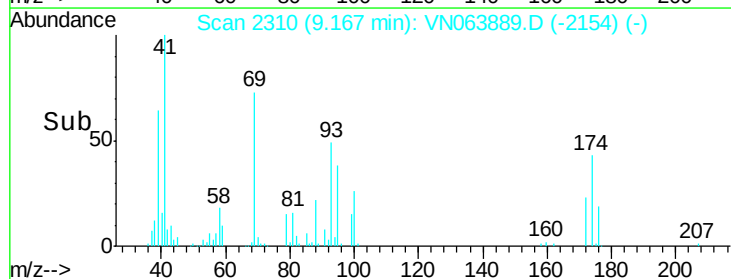
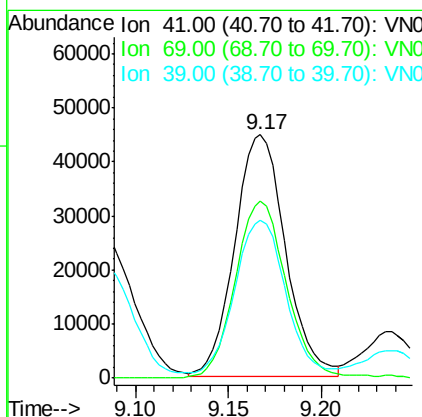
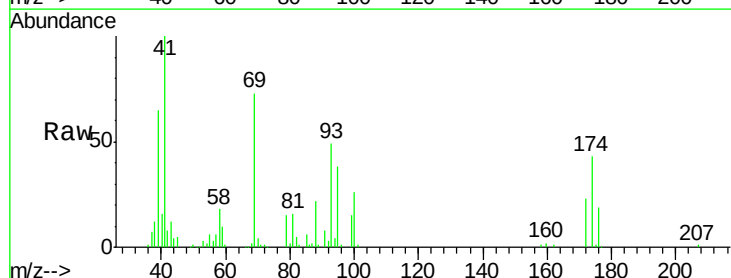
Manual Integrations
APPROVED

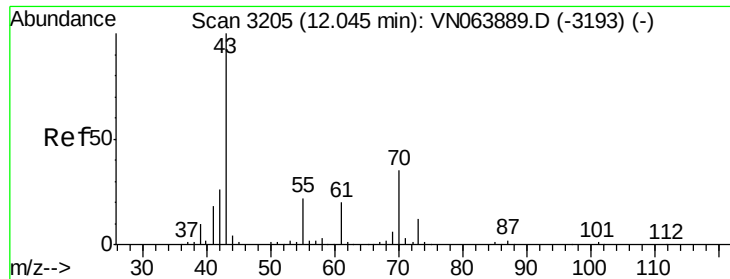
MMDadoda
10/7/2020 12:11:29 PM



#46
Methyl methacrylate
Concen: 26.926 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.8	36.9	110.7
39	63.7	31.9	95.5





#47

n-amvl Acetate

Concen: 25.306 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 143890

Ion Ratio Lower Upper

43 100

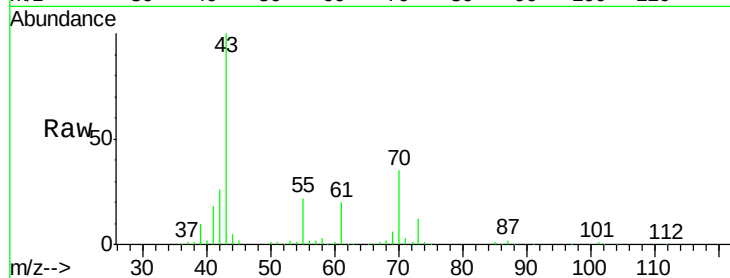
55 22.2 17.8 26.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.05

80000

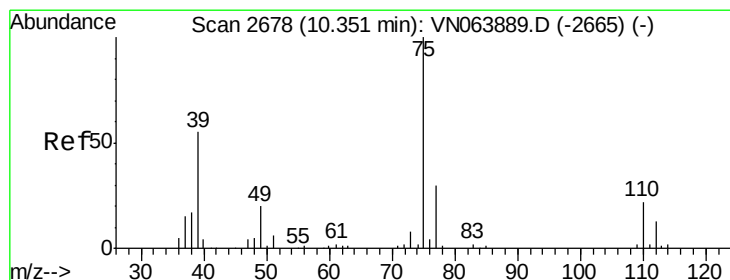
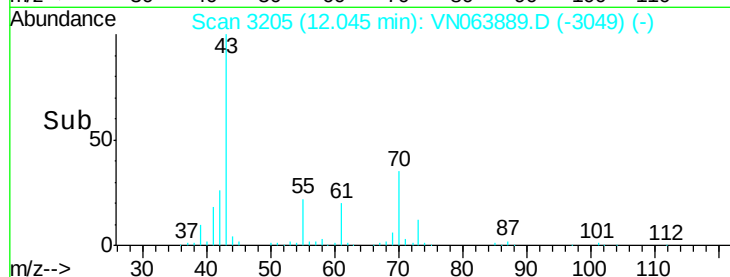
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 22.835 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN063889.D

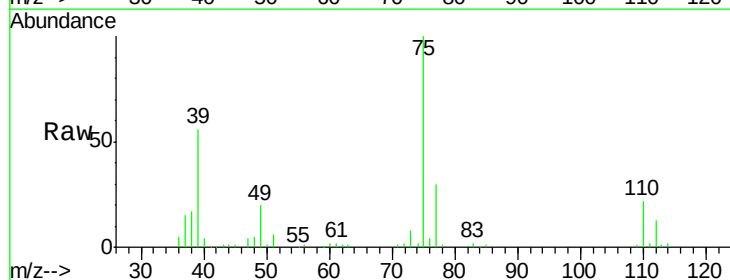
Acq: 6 Oct 2020 10:51

Tgt Ion: 75 Resp: 118619

Ion Ratio Lower Upper

75 100

77 30.3 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

80000

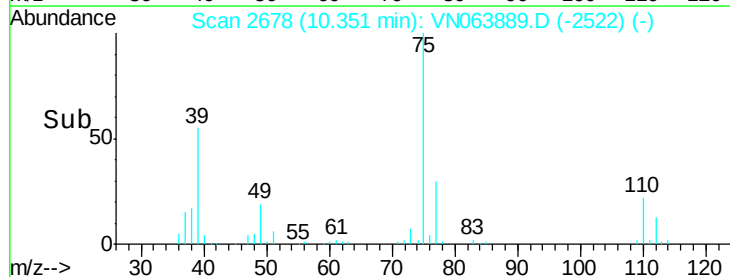
60000

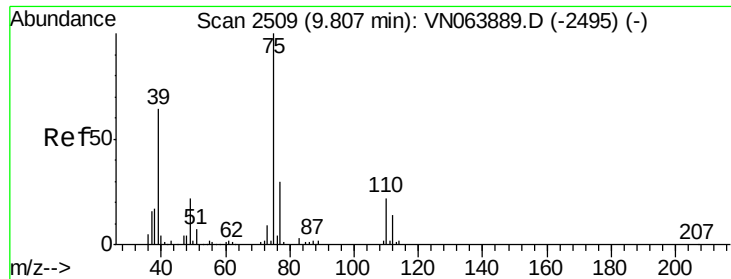
40000

20000

0

Time-->





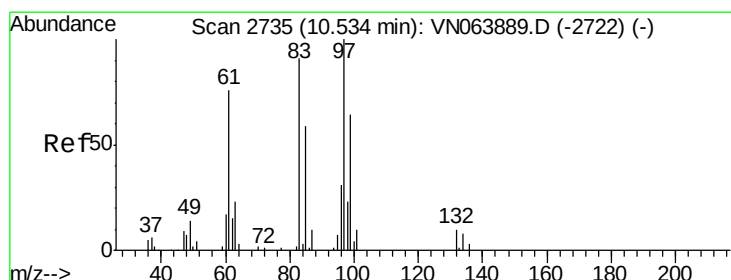
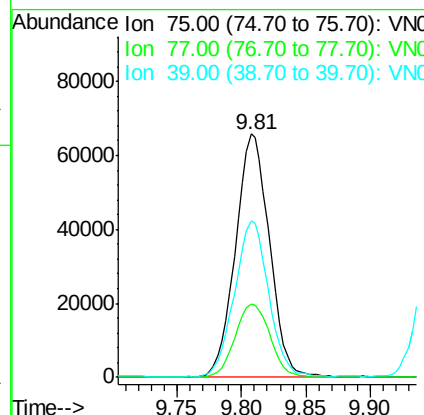
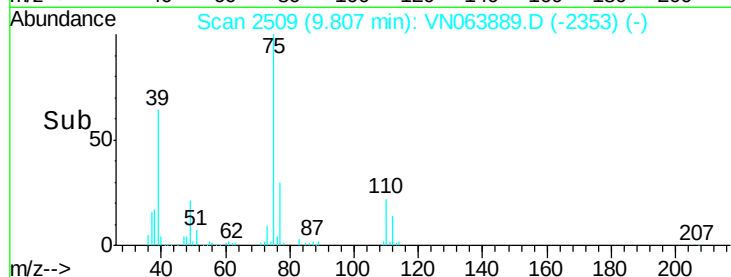
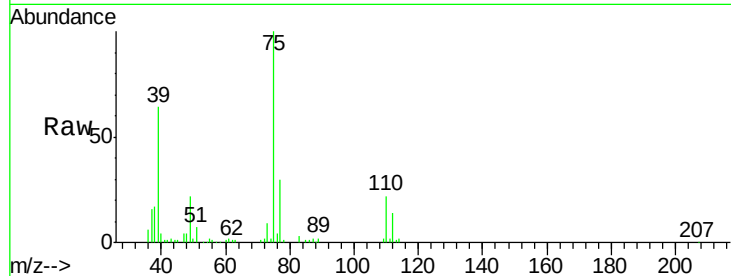
#49
 cis-1,3-Dichloropropene
 Concen: 21.752 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.1	36.1
39	63.7	51.0	76.4

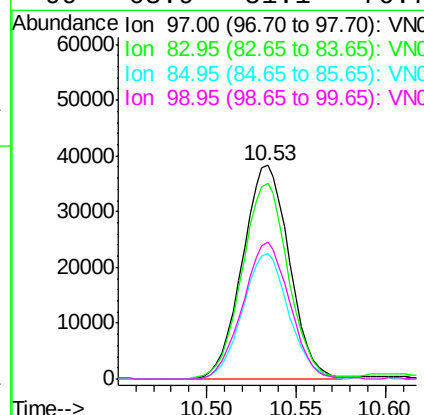
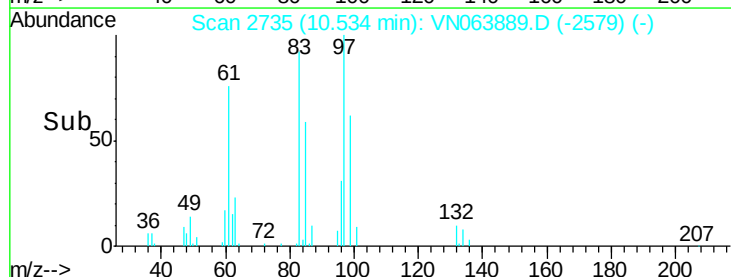
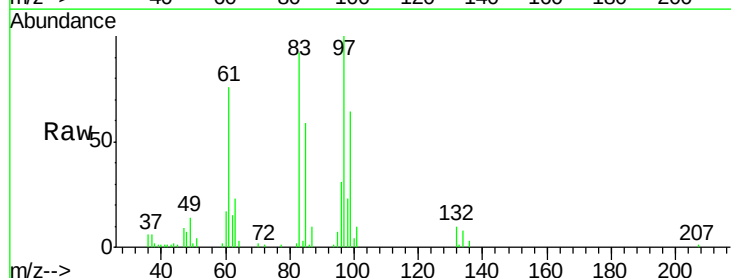
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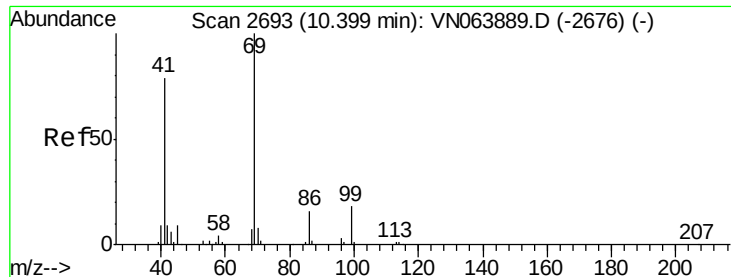
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 21.193 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	58.6	46.9	70.3
99	63.9	51.1	76.7





#51

Ethyl methacrylate

Concen: 21.682 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

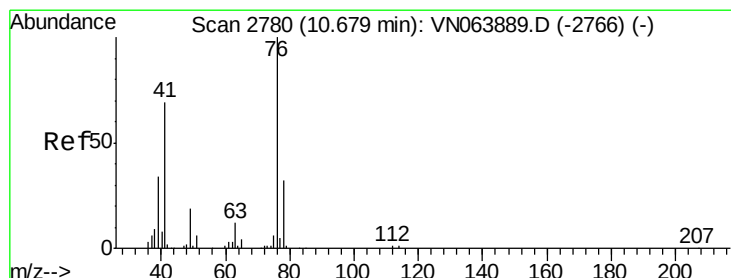
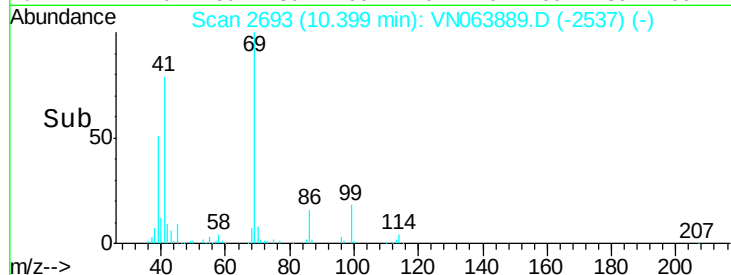
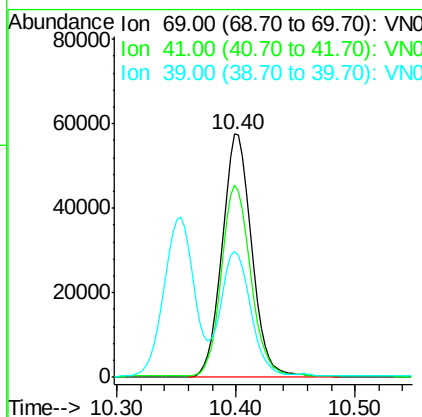
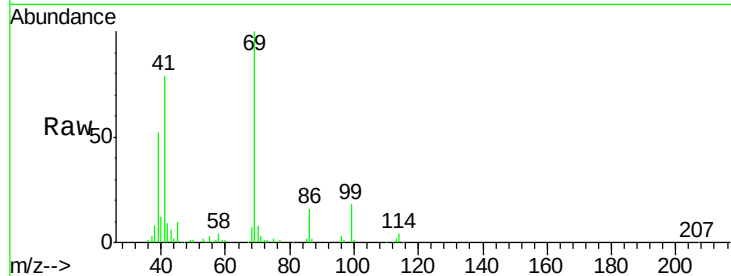
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	99851
Ion	Ratio	Lower	Upper
69	100		
41	78.5	39.6	118.7
39	51.1	25.9	77.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.672 ug/l

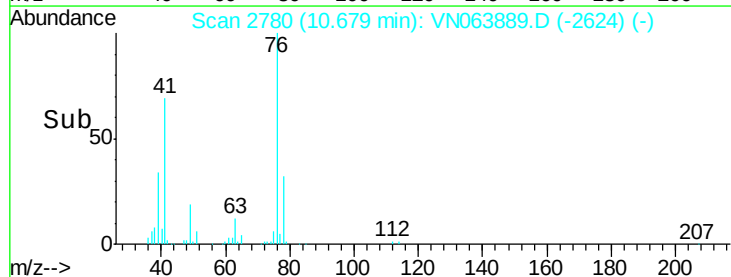
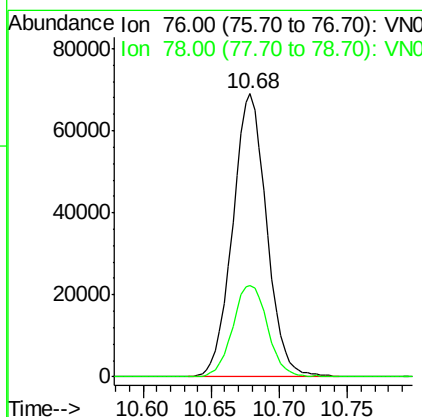
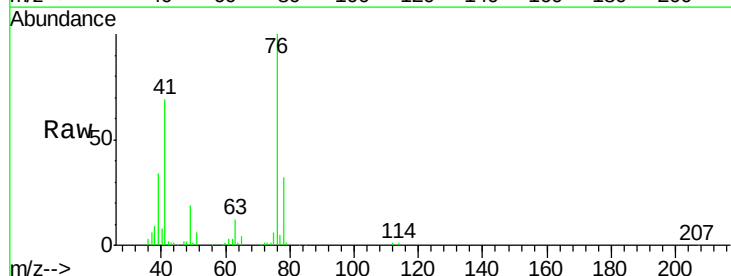
RT: 10.68 min Scan# 2780

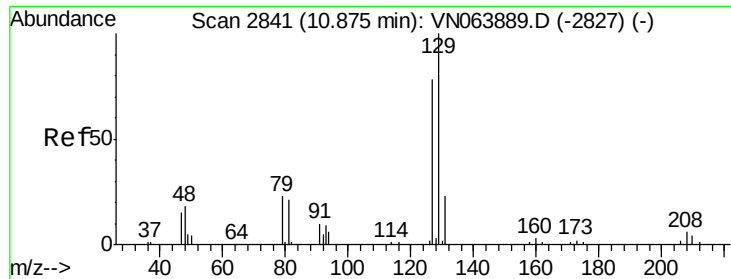
Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion:	76	Resp:	119691
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	66.0





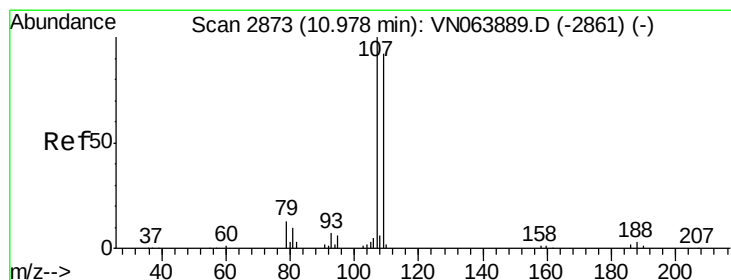
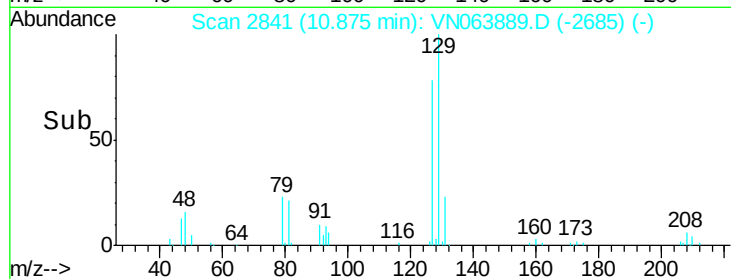
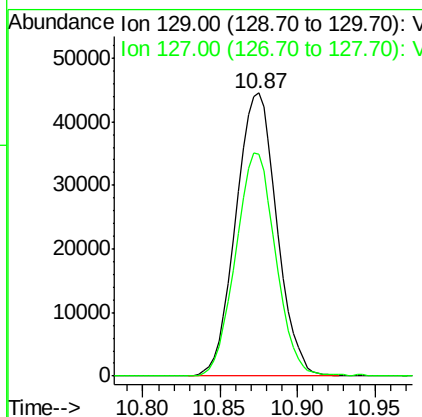
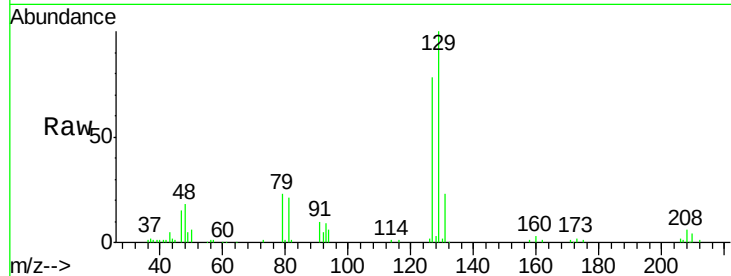
#53
 Dibromochloromethane
 Concen: 22.178 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 82101
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.4 115.1

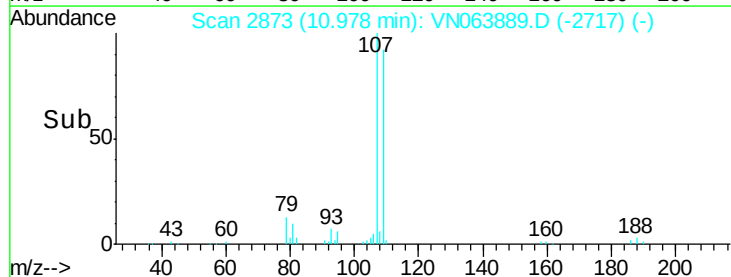
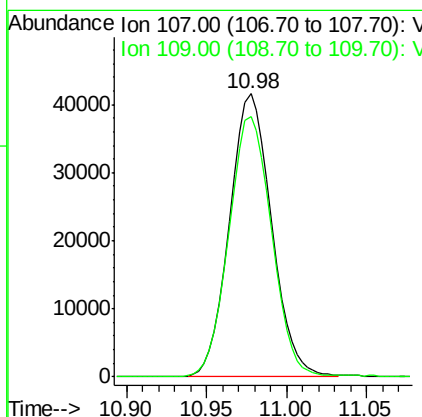
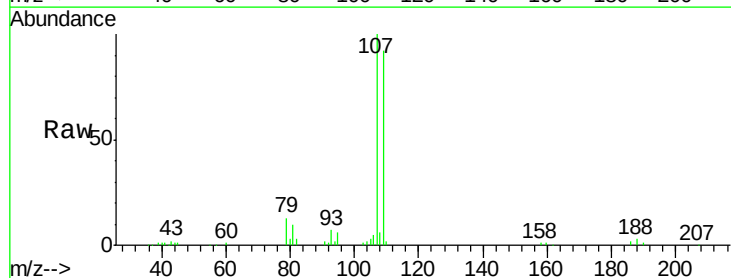
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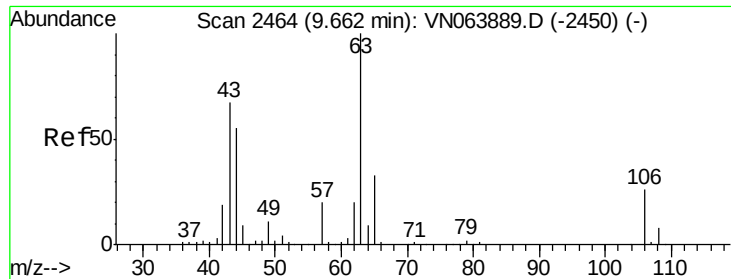
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 22.906 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion:107 Resp: 74685
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.7 112.1





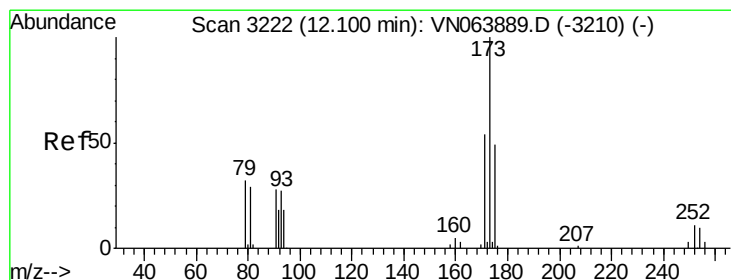
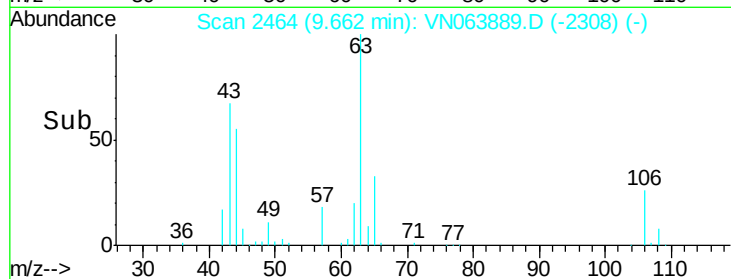
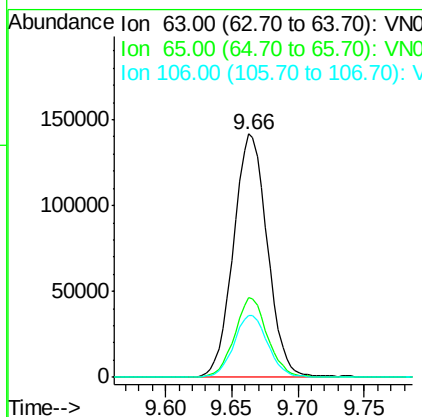
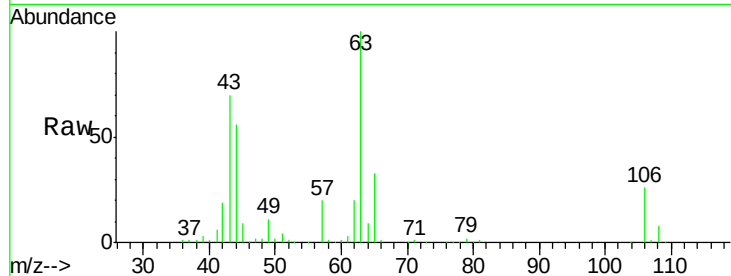
#55
2-Chloroethyl vinyl ether
Concen: 199.933 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	25.4	20.3	30.5

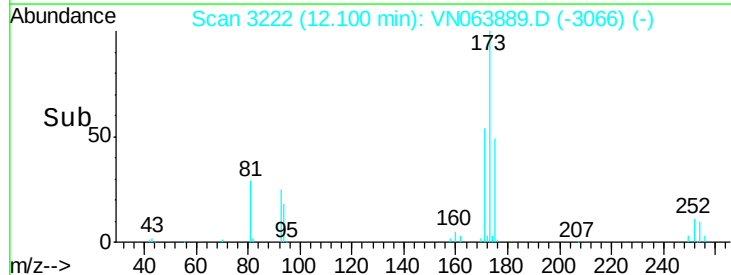
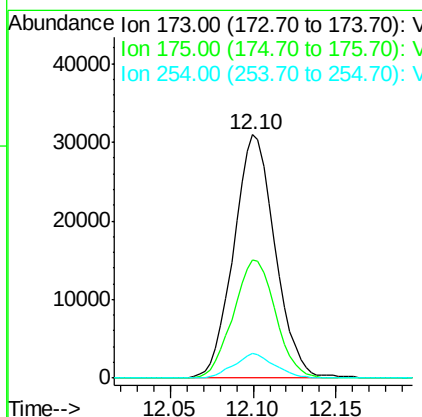
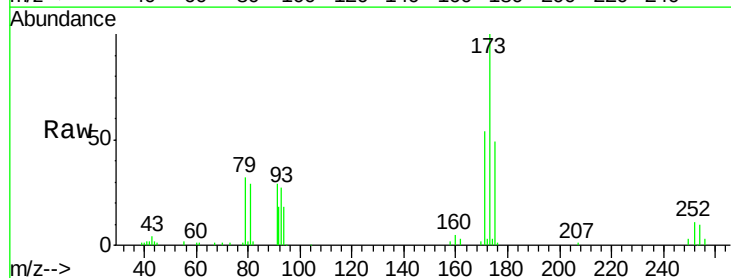
Manual Integrations
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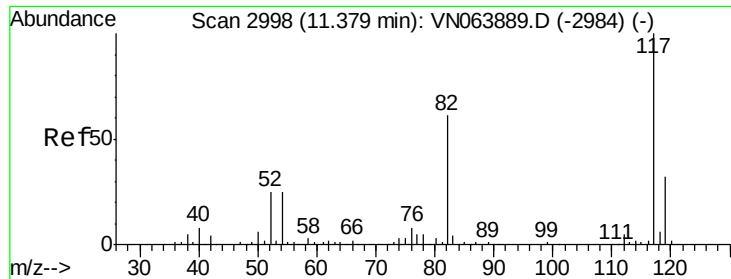
MMDadoda
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#56
Bromoform
Concen: 20.119 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.4	59.2
254	9.7	7.8	11.6





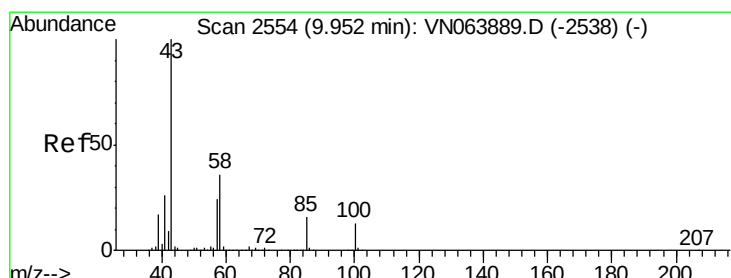
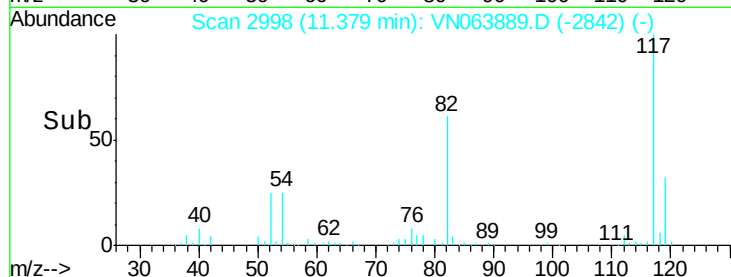
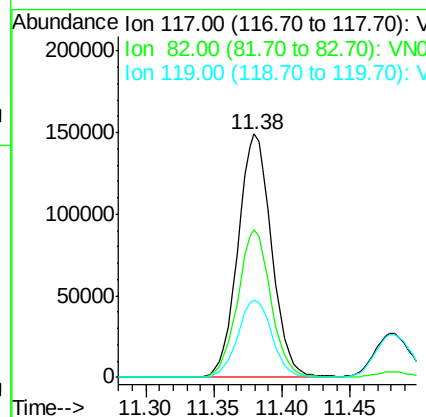
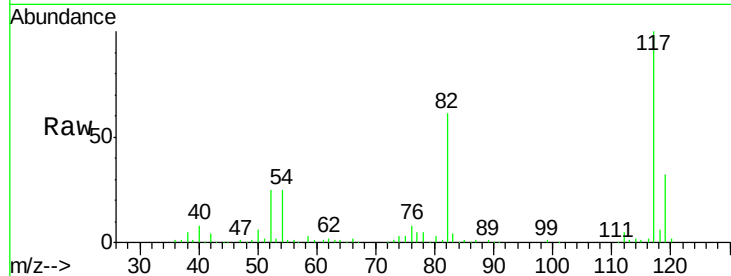
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.7	71.5
119	32.1	25.7	38.5

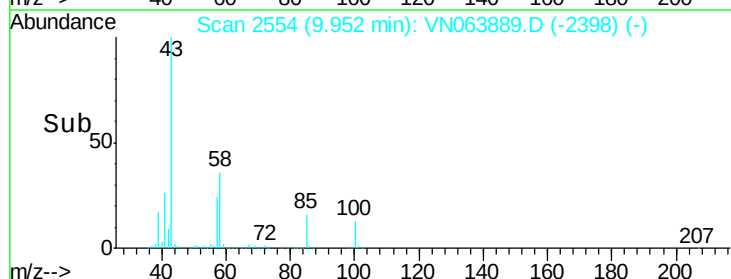
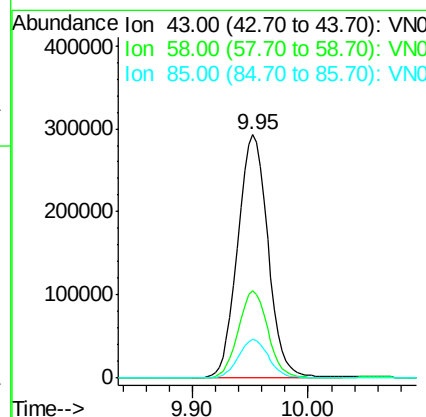
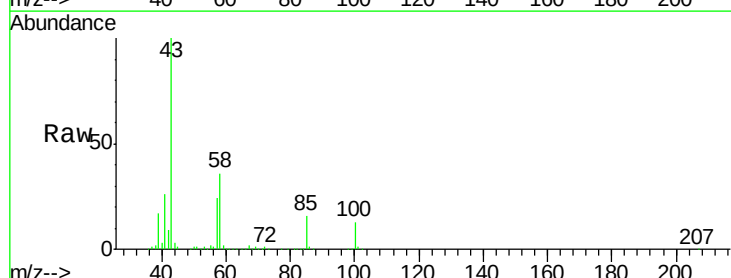
Manual Integrations
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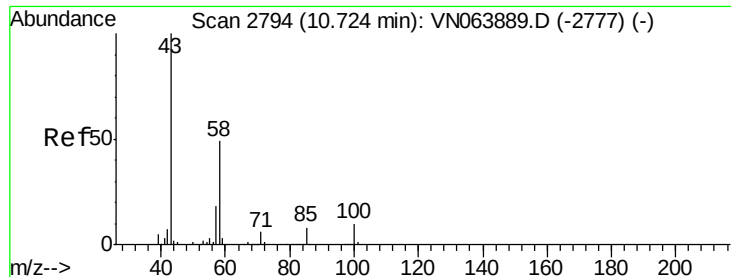
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 131.206 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.4
85	16.0	12.8	19.2





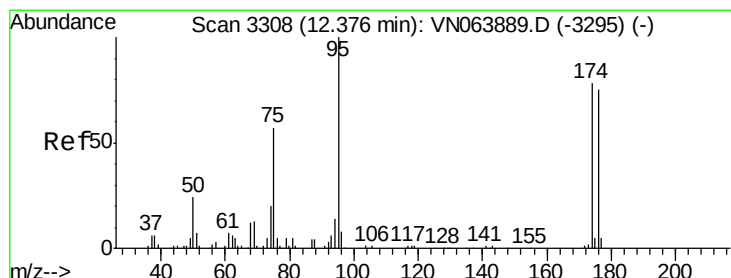
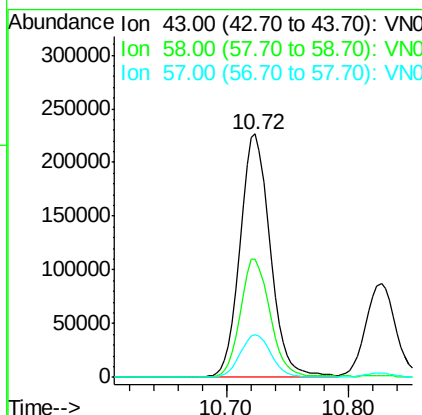
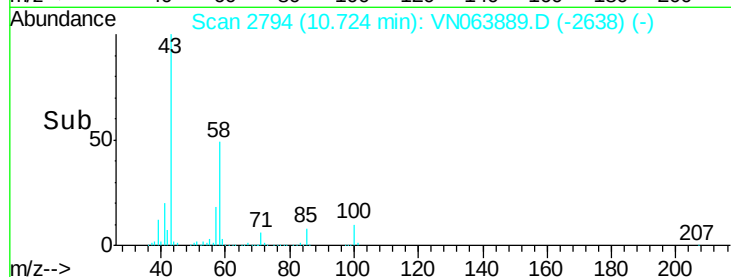
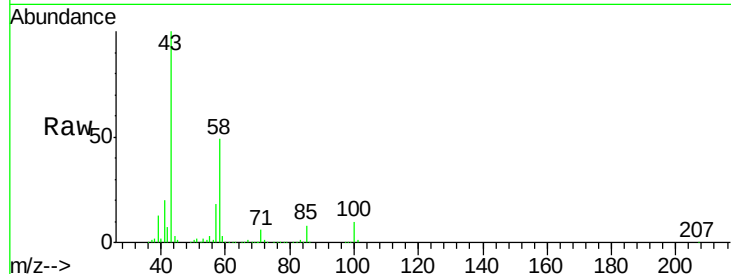
#59
2-Hexanone
Concen: 132.430 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
57	18.3	14.6	22.0

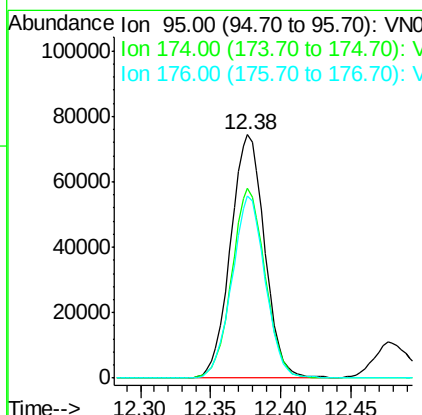
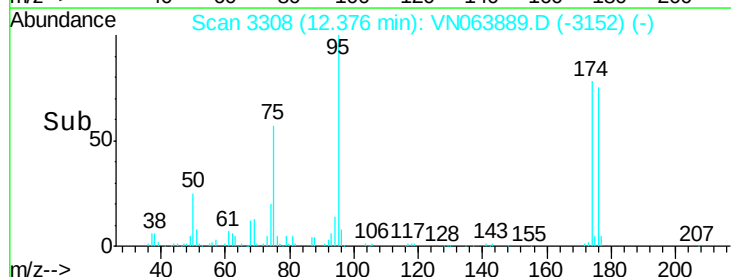
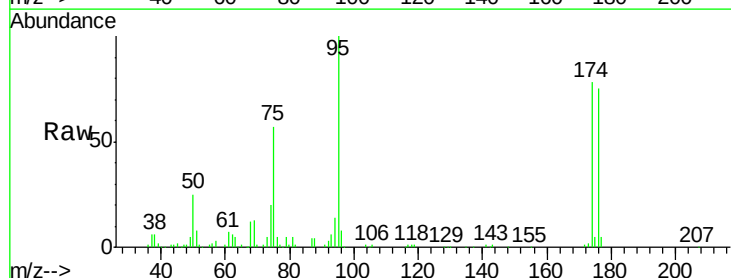
Manual Integrations
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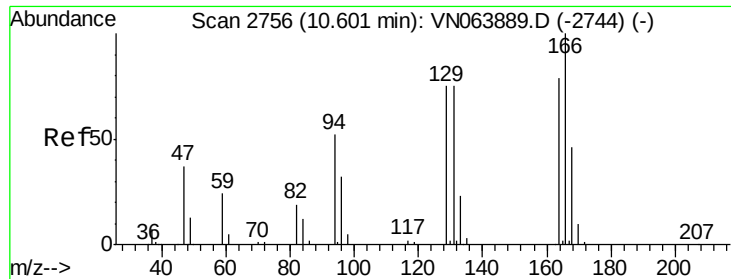
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.787 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	61.0	91.4
176	73.1	58.5	87.7





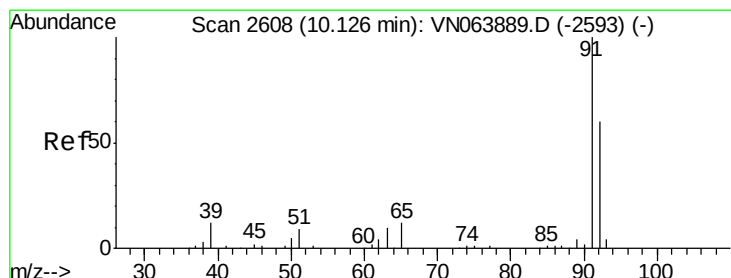
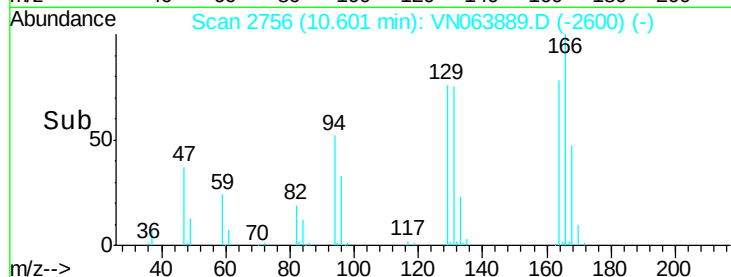
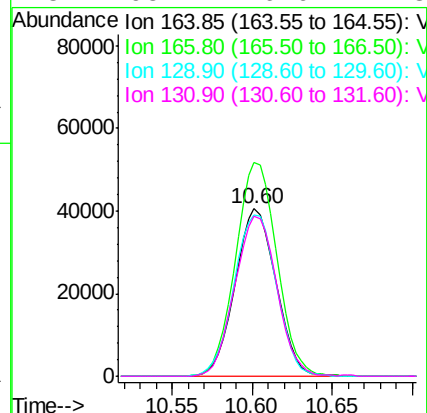
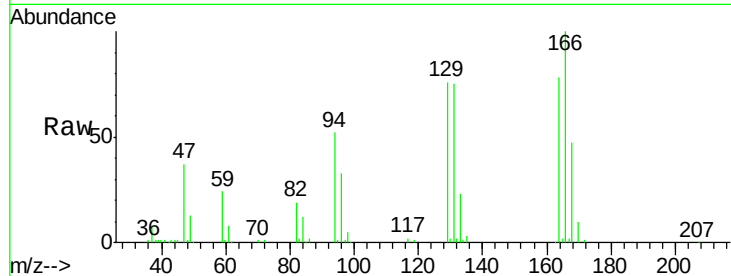
#61
Tetrachloroethene
Concen: 23.748 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	96.5	77.2	115.8
131	95.7	76.6	114.8

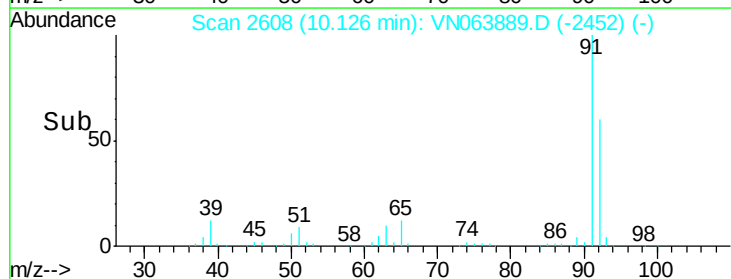
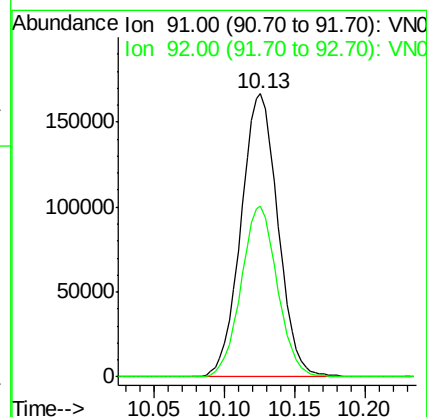
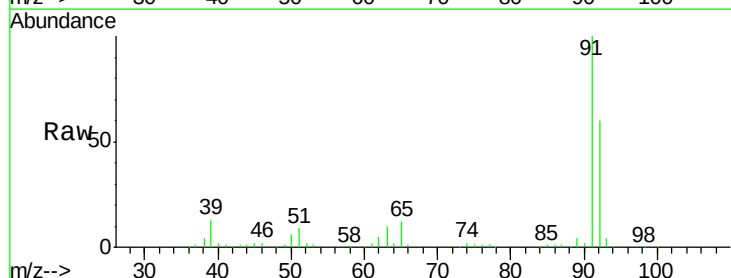
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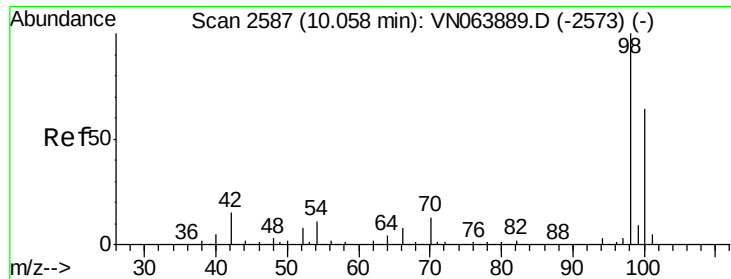
MMDadoda
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#62
Toluene
Concen: 21.789 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.2	70.8





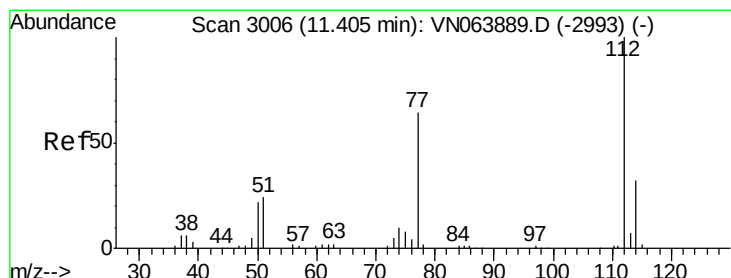
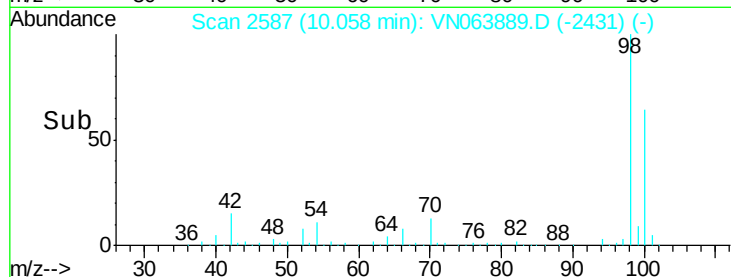
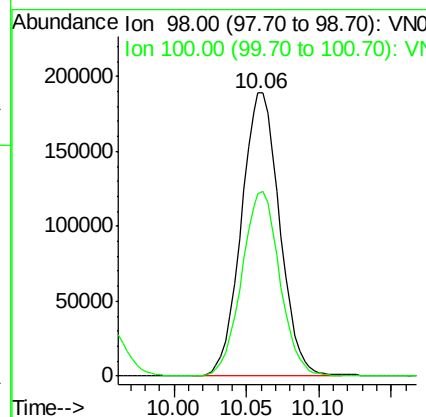
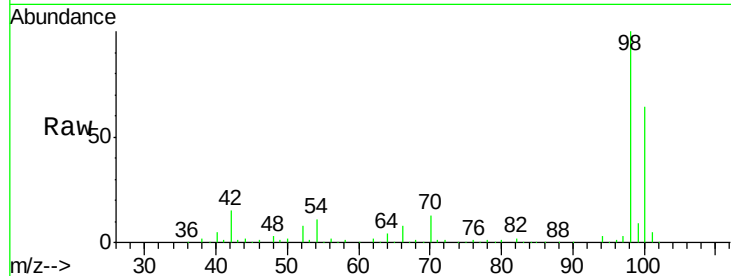
#63
Toluene-d8
Concen: 29.784 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 347277
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6

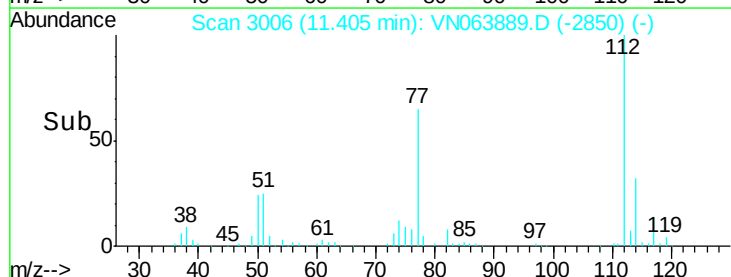
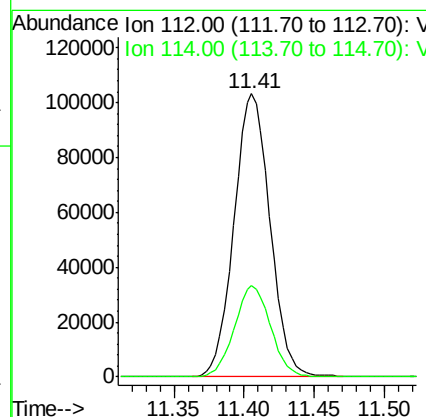
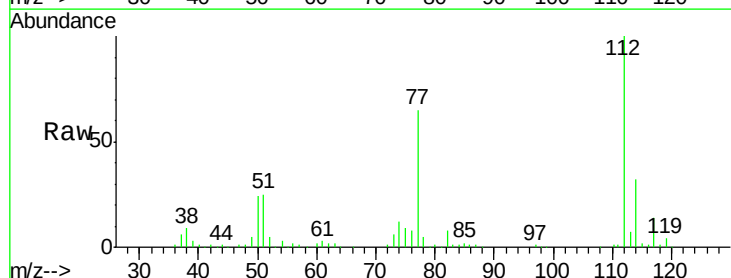
Manual Integrations
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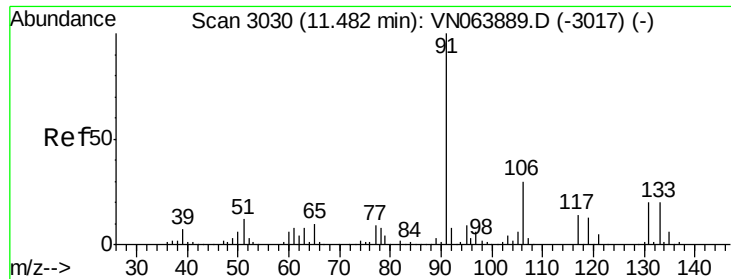
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#64
Chlorobenzene
Concen: 21.298 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 112 Resp: 184317
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6





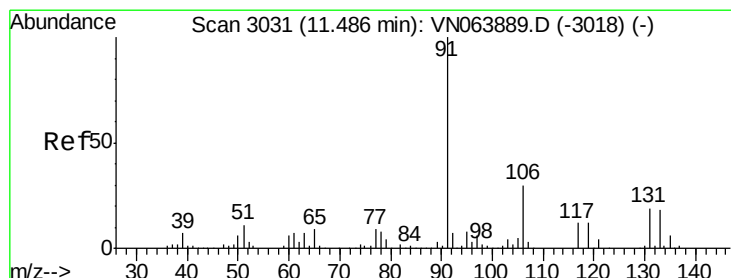
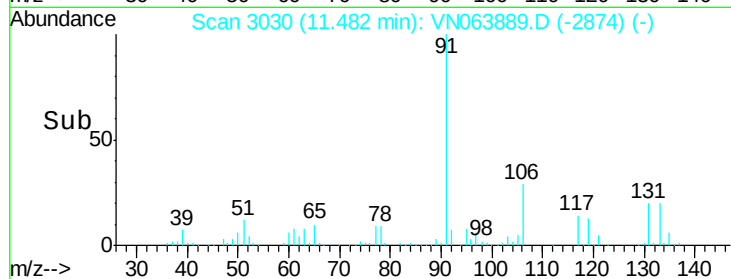
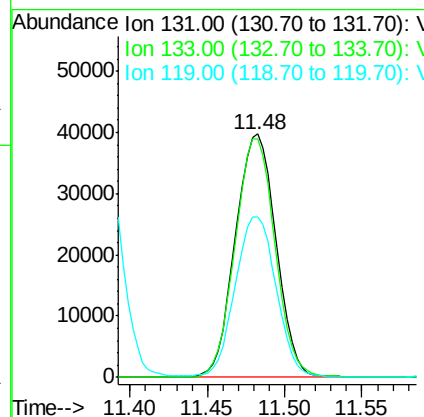
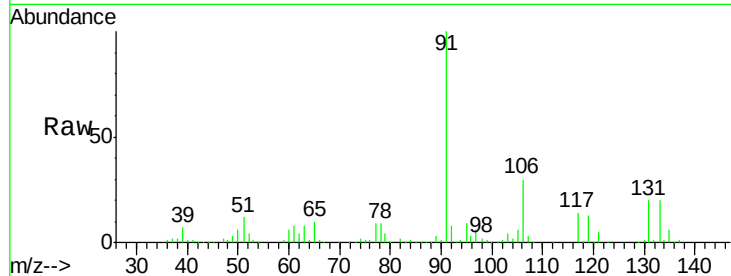
#65
1,1,1,2-Tetrachloroethane
Concen: 21.173 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:131 Resp: 72571
Ion Ratio Lower Upper
131 100
133 96.3 0.0 192.6
119 66.6 0.0 133.2

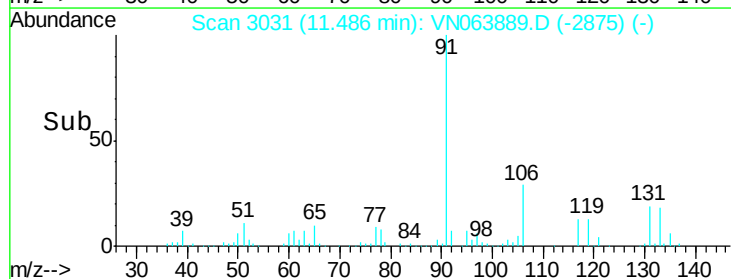
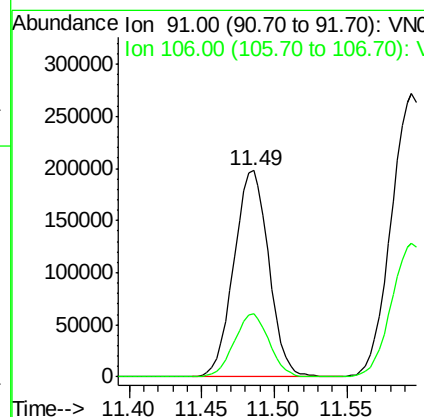
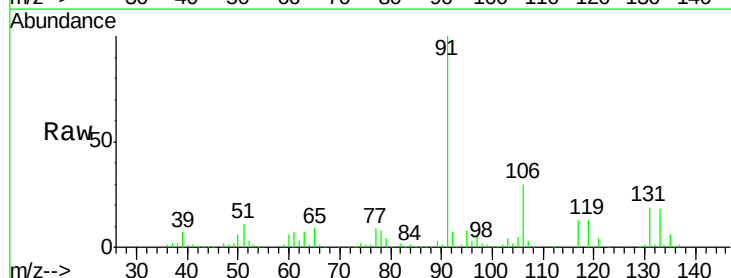
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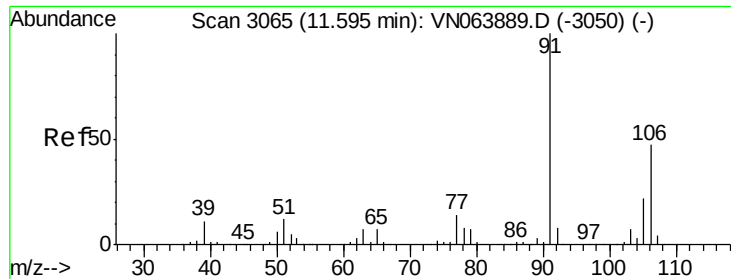
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#66
Ethyl Benzene
Concen: 21.513 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion: 91 Resp: 331868
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6





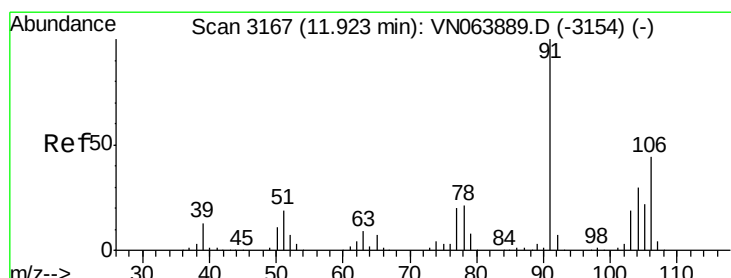
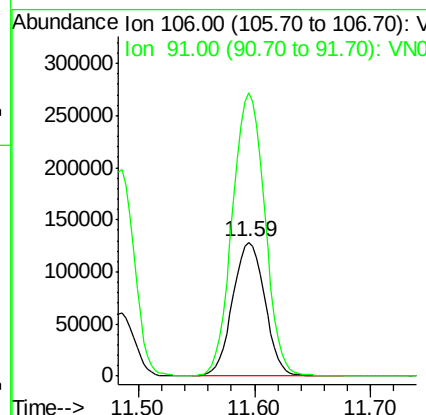
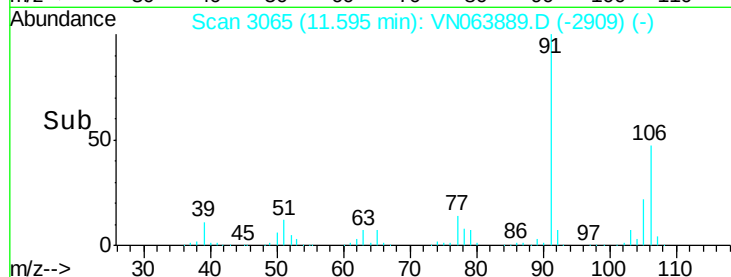
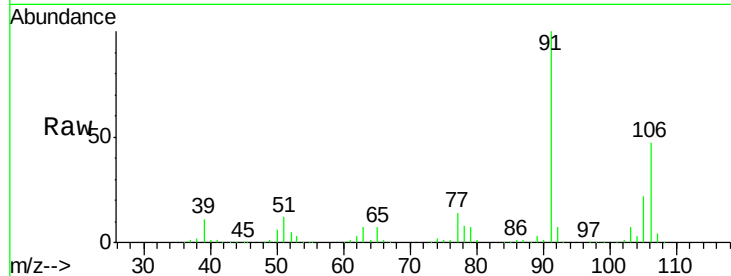
#67
m/p-Xylenes
Concen: 43.221 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 249386
Ion Ratio Lower Upper
106 100
91 211.5 169.2 253.8

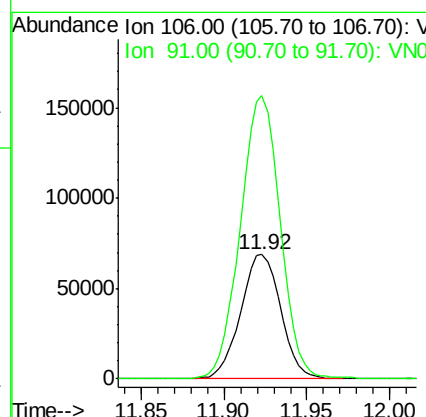
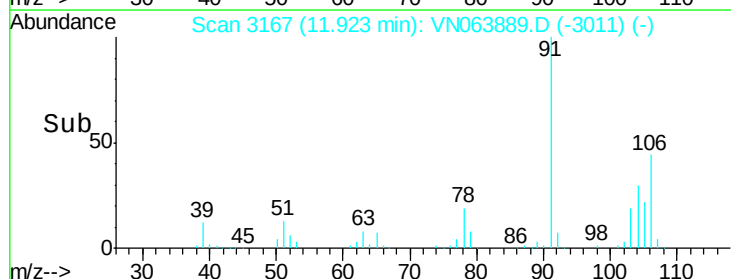
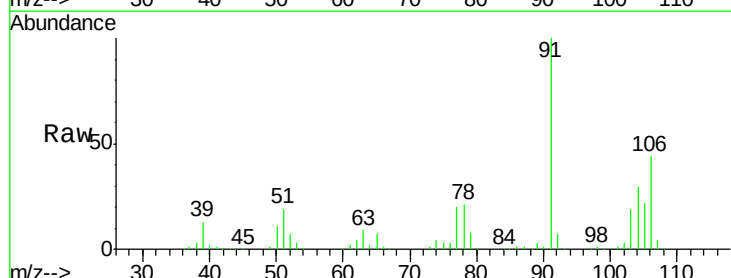
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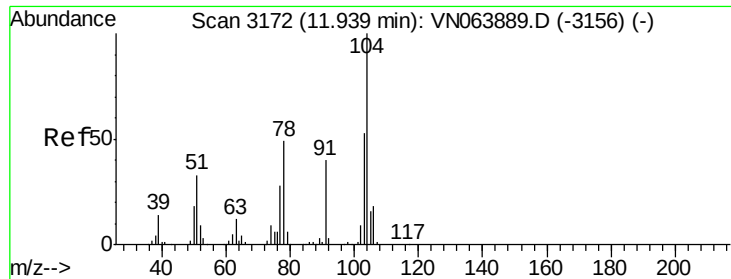
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#68
o-Xylene
Concen: 21.057 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion:106 Resp: 116169
Ion Ratio Lower Upper
106 100
91 226.3 113.1 339.4





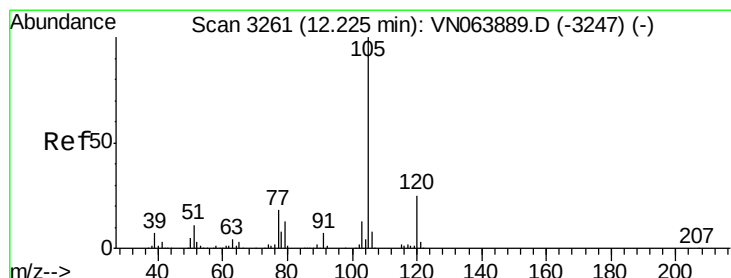
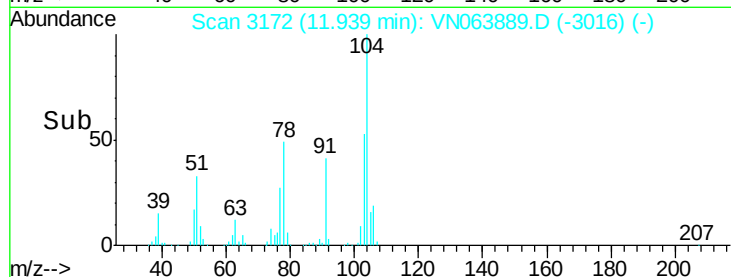
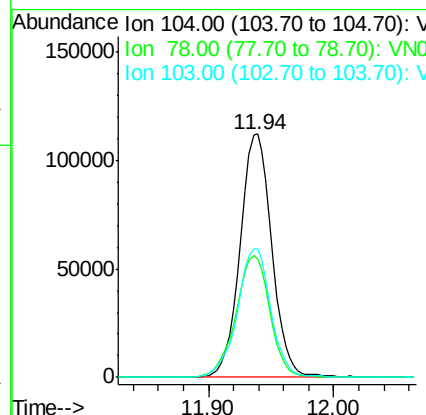
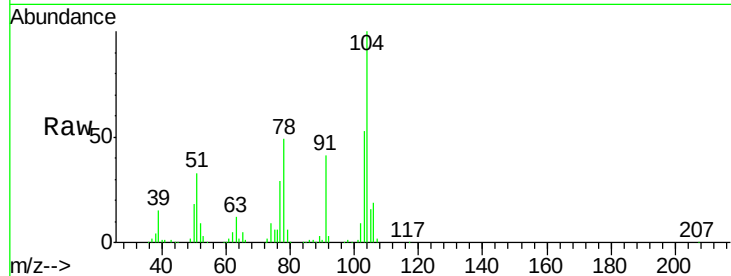
#69
Stvrene
Concen: 20.611 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.9	64.3
103	55.7	44.6	66.8

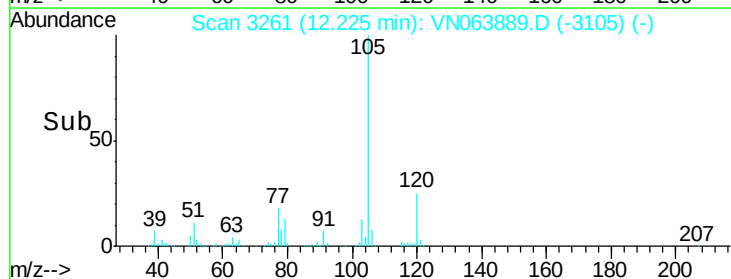
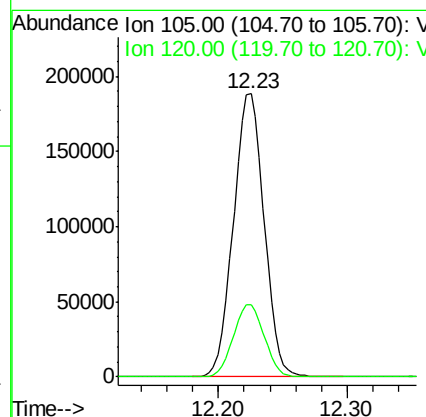
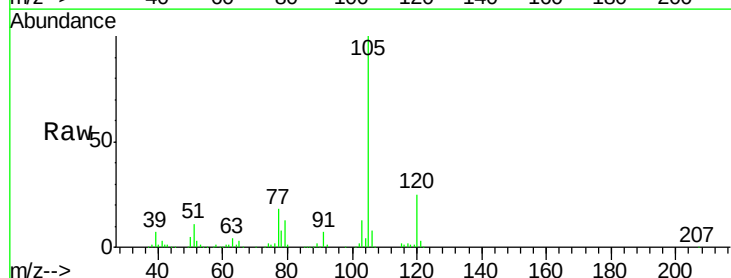
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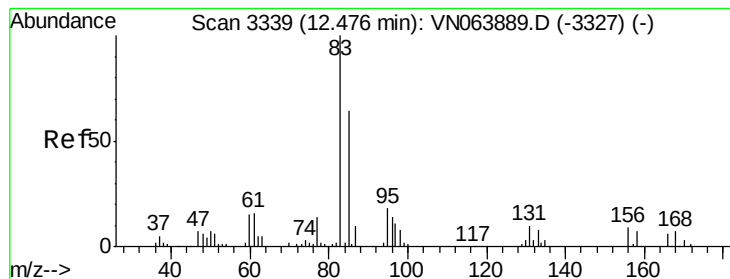
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#70
Isopropylbenzene
Concen: 20.808 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.864 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 83 Resp: 98907

Ion Ratio Lower Upper

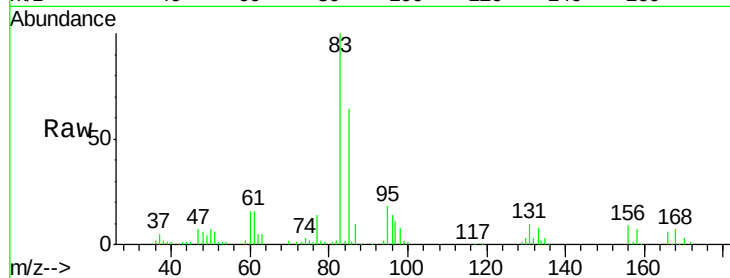
83 100

131 10.8 5.4 16.2

85 64.5 32.3 96.8

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Abundance Ion 83.00 (82.70 to 83.70): VN063889.D (-3327) (-)

Ion 131.00 (130.70 to 131.70): VN063889.D (-3327) (-)

Ion 85.00 (84.70 to 85.70): VN063889.D (-3327) (-)

Time-->

12.48

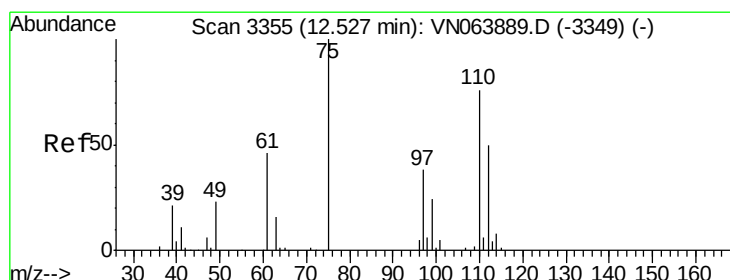
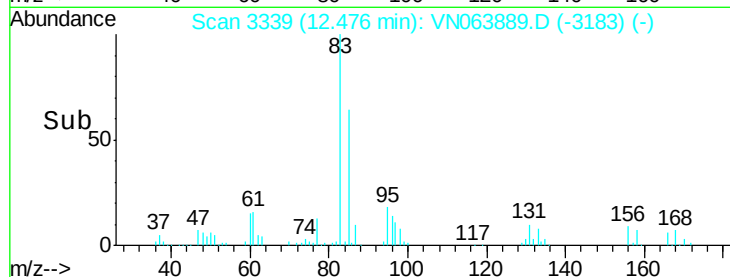
60000

40000

20000

0

12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 23.866 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063889.D

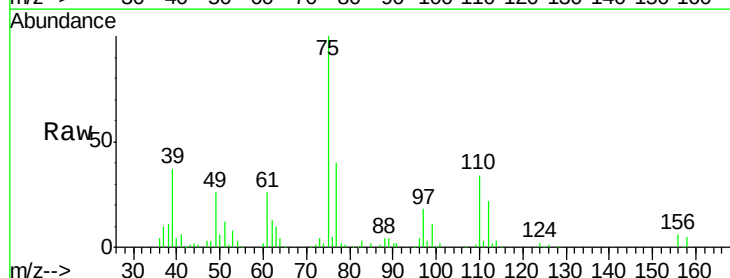
Acq: 6 Oct 2020 10:51

Tgt Ion: 75 Resp: 104348

Ion Ratio Lower Upper

75 100

77 168.3 0.0 336.6



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063889.D (-3349) (-)

Time-->

12.53

100000

80000

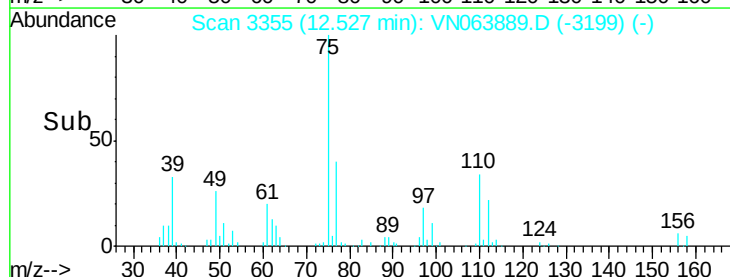
60000

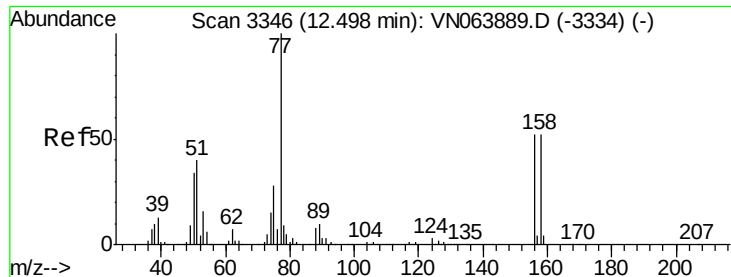
40000

20000

0

12.50 12.55





#73

Bromobenzene

Concen: 19.436 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

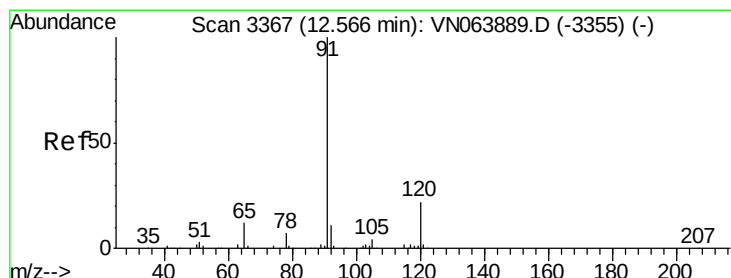
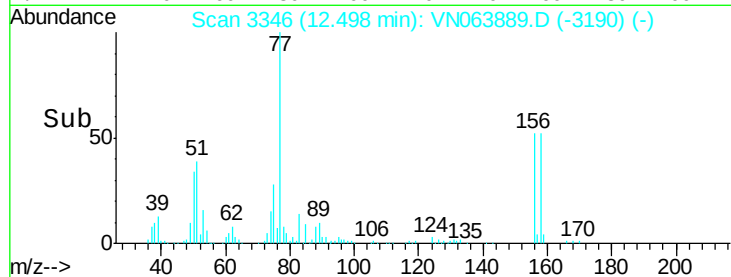
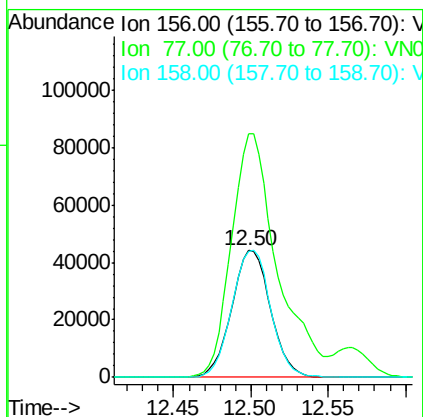
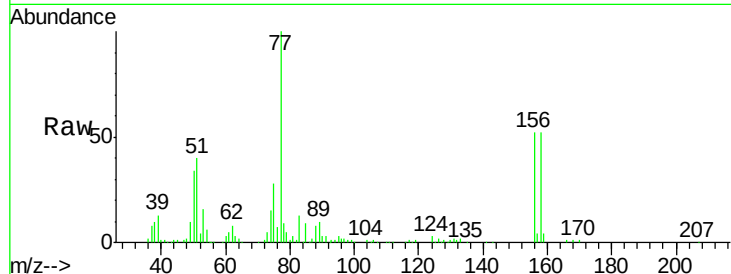
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	76965
Ion	Ratio	Lower	Upper
156	100		
77	228.2	0.0	456.4
158	100.2	0.0	200.4

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#74

n-propylbenzene

Concen: 20.296 ug/l

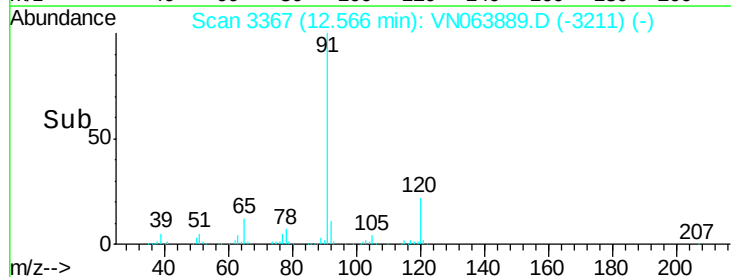
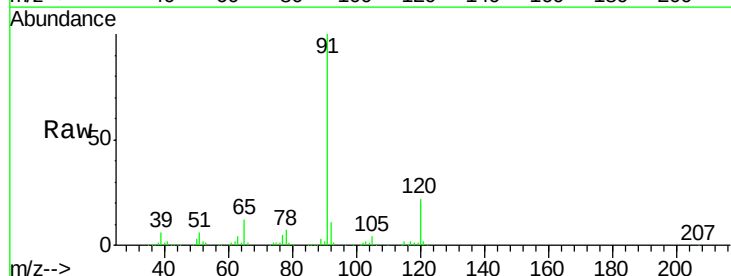
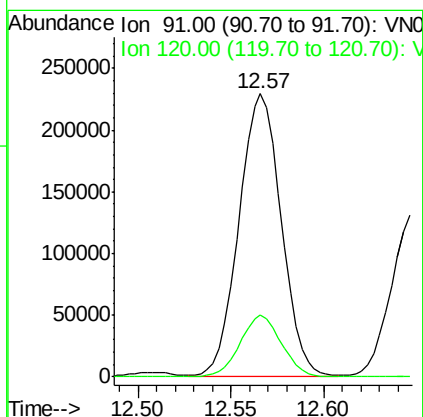
RT: 12.57 min Scan# 3367

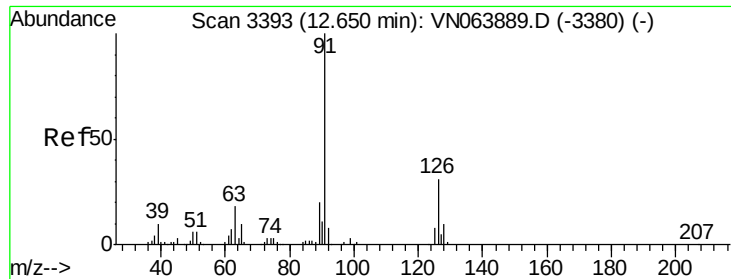
Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion:	91	Resp:	362208
Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	42.6





#75

2-Chlorotoluene

Concen: 20.775 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 221801

Ion Ratio Lower Upper

91 100

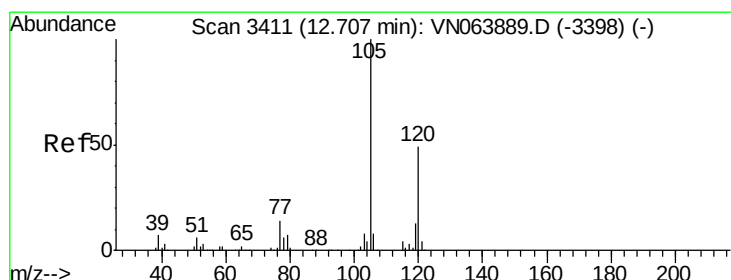
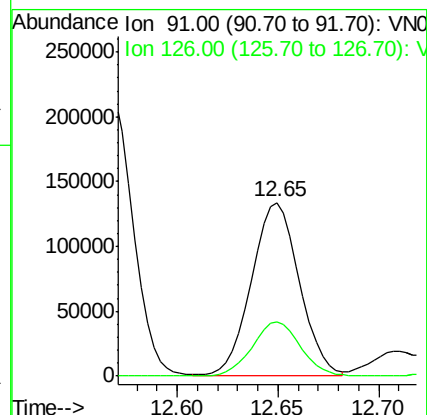
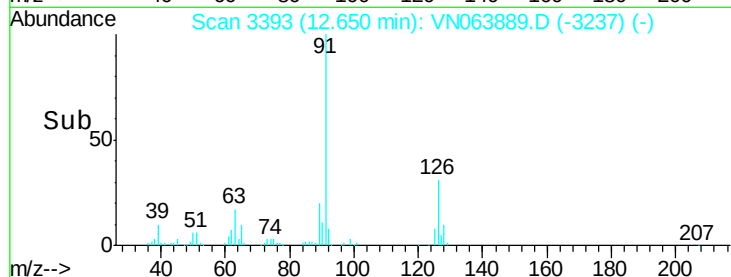
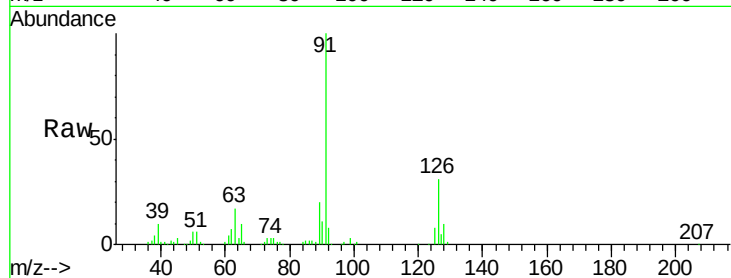
126 31.7 0.0 63.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.513 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063889.D

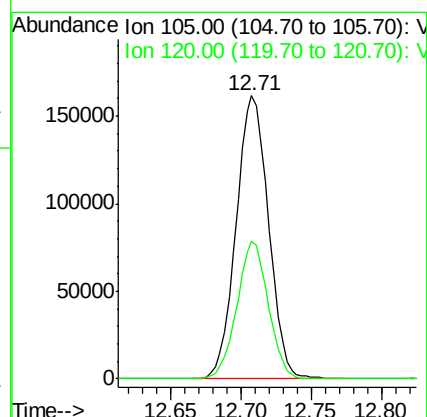
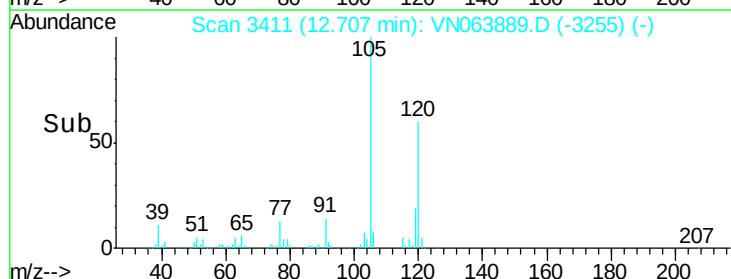
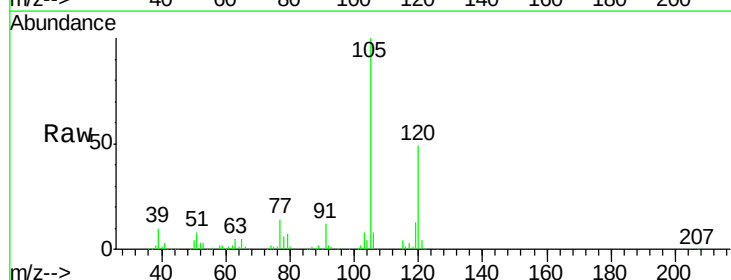
Acq: 6 Oct 2020 10:51

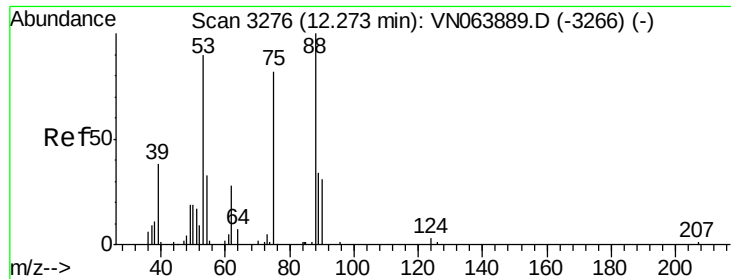
Tgt Ion: 105 Resp: 260560

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.2





#77

t-1,4-Dichloro-2-butene

Concen: 22.261 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

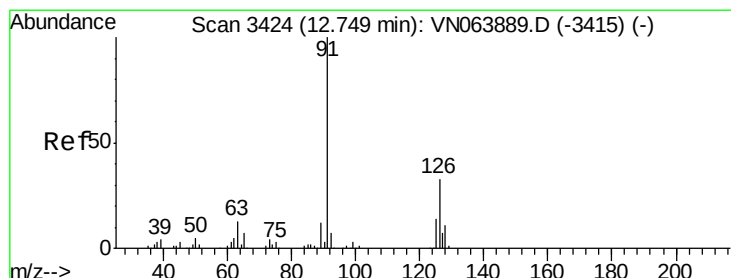
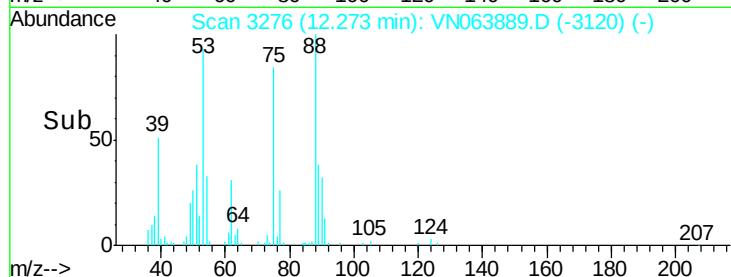
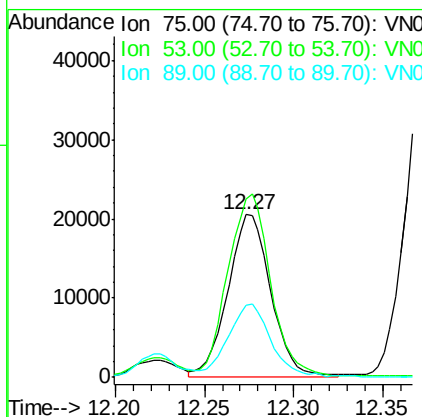
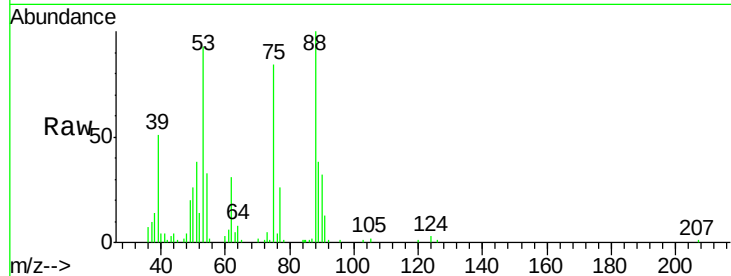
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	34358
Ion	Ratio	Lower	Upper
75	100		
53	110.6	55.3	165.9
89	43.9	21.9	65.8

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#78

4-Chlorotoluene

Concen: 21.185 ug/l

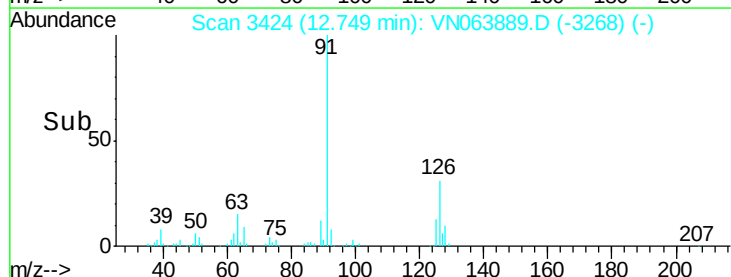
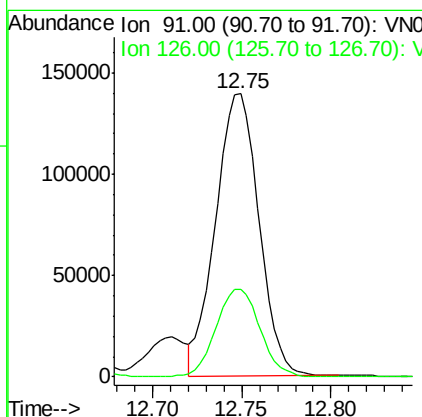
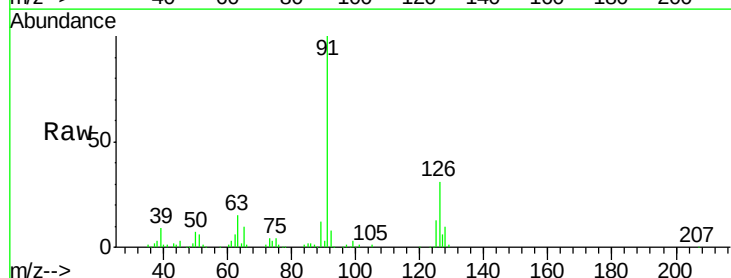
RT: 12.75 min Scan# 3424

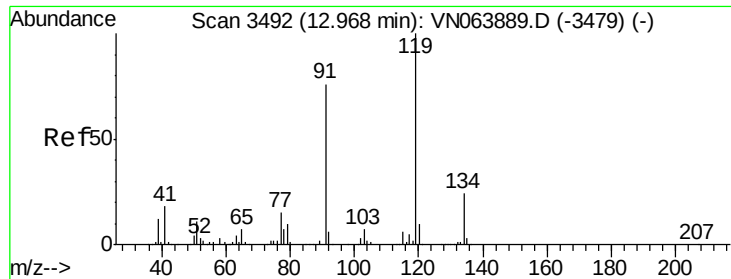
Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion:	91	Resp:	234709
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	62.6





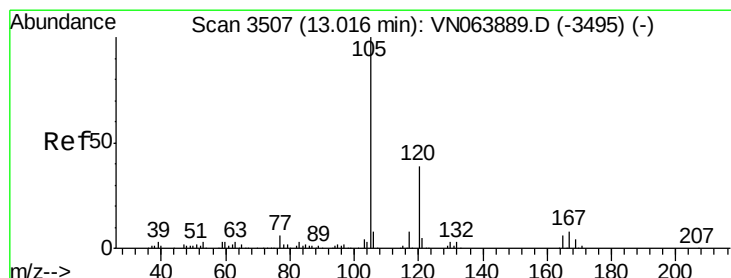
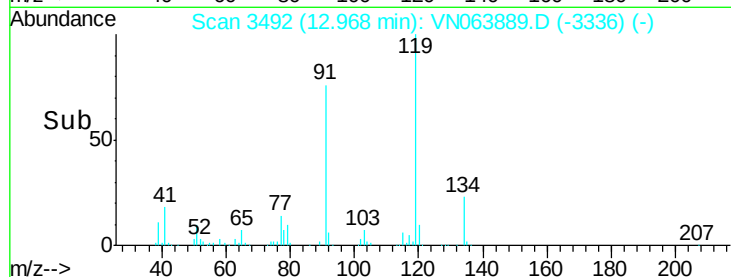
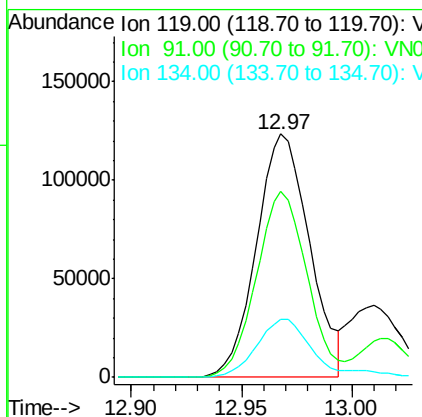
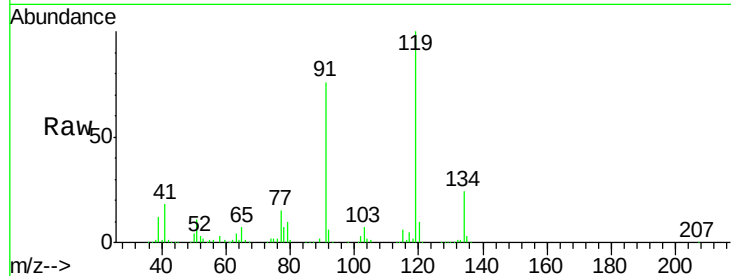
#79
 tert-butylbenzene
 Concen: 19.449 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206439		
91	72.8		0.0	145.6
134	23.9		0.0	47.8

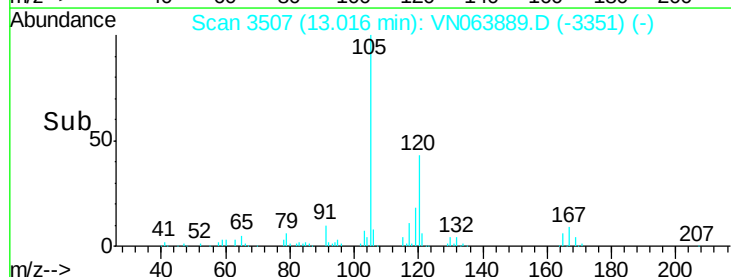
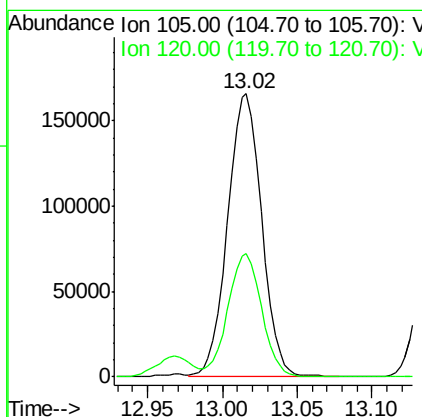
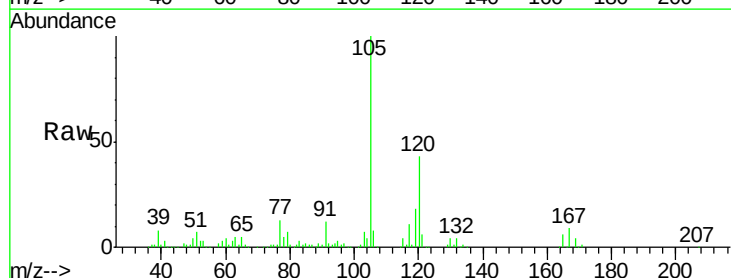
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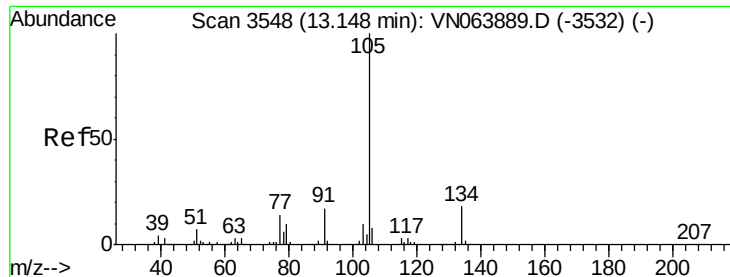
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#80
 1,2,4-Trimethylbenzene
 Concen: 21.105 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263529		
120	42.7		0.0	85.4





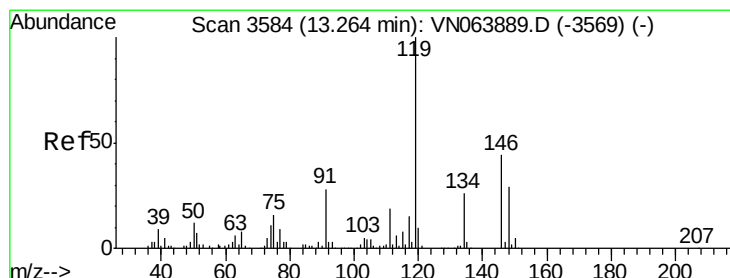
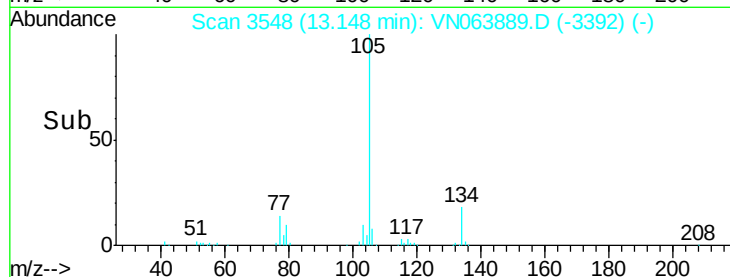
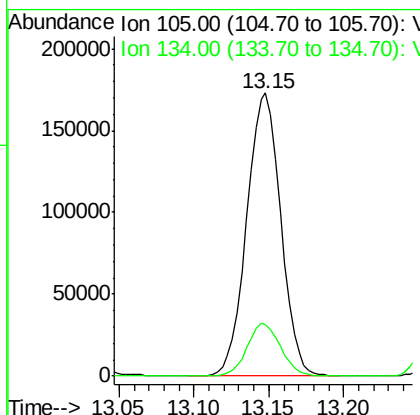
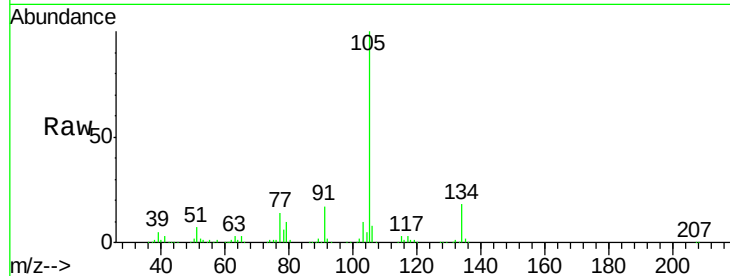
#81
 sec-Butylbenzene
 Concen: 18.896 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	274210		
134	18.4	0.0	36.8	

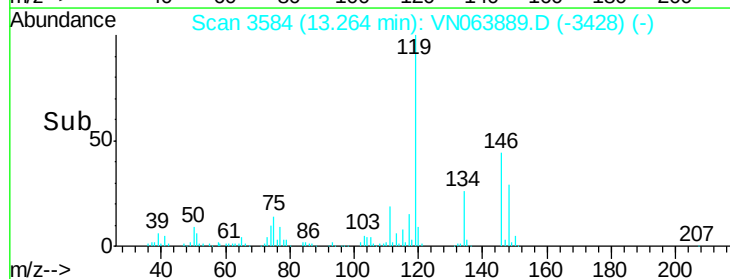
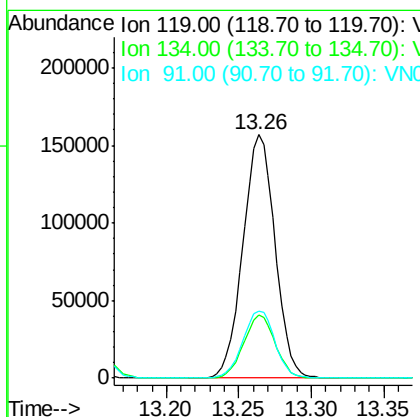
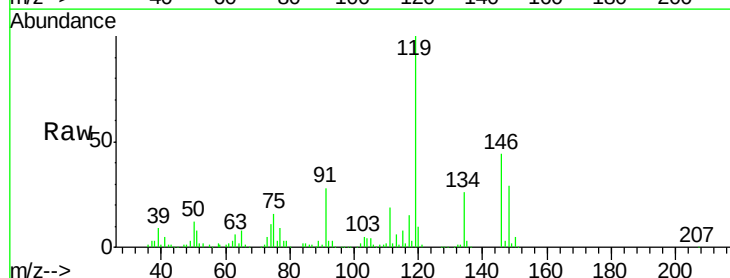
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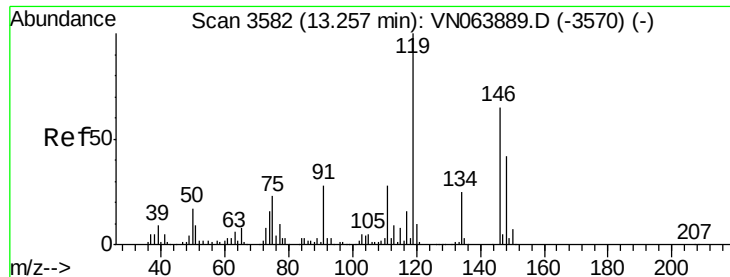
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#82
 p-Isopropyltoluene
 Concen: 18.757 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241717		
134	25.3	0.0	50.6	
91	27.6	0.0	55.2	





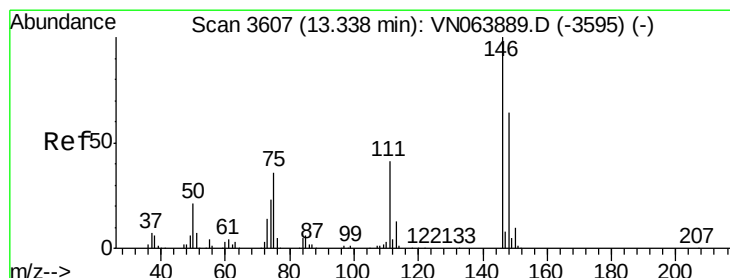
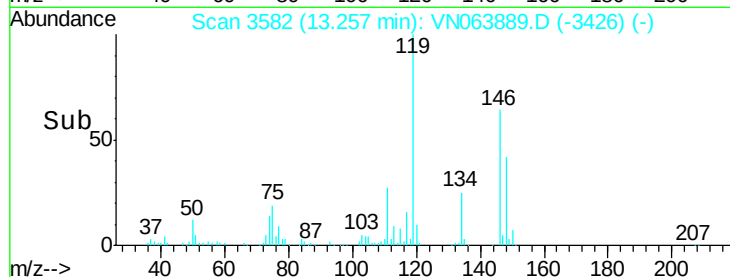
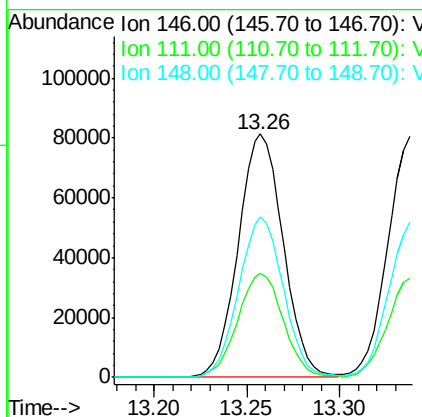
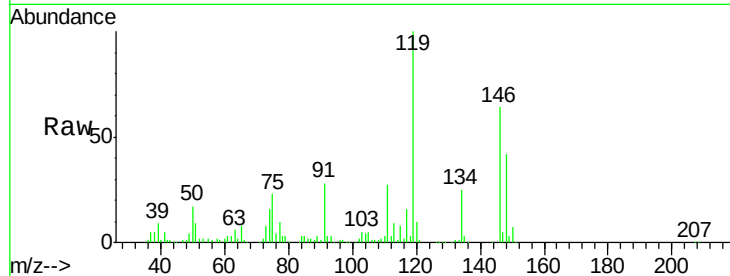
#83
 1,3-Dichlorobenzene
 Concen: 19.789 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	65.5	32.8	98.3

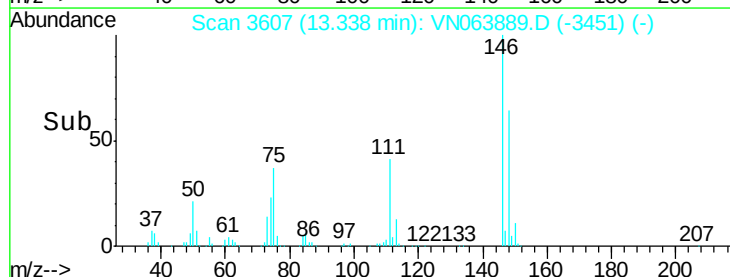
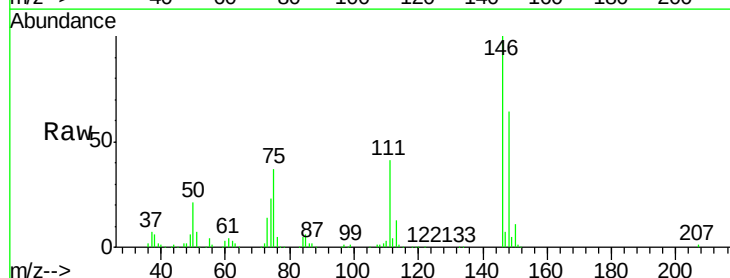
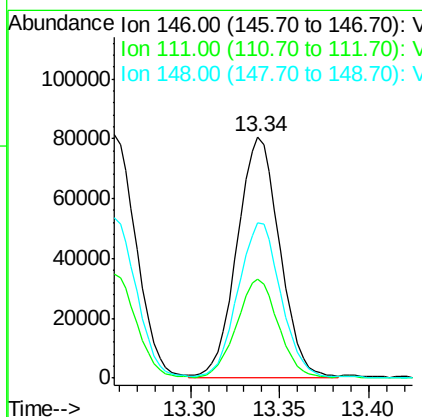
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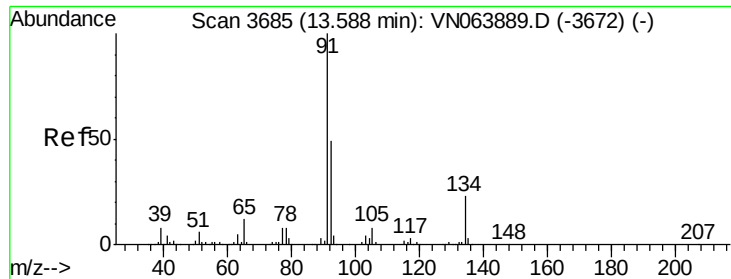
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#84
 1,4-Dichlorobenzene
 Concen: 19.856 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	65.3	32.6	98.0





#85

n-Butylbenzene

Concen: 19.311 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Instrument :

MSVOA_N

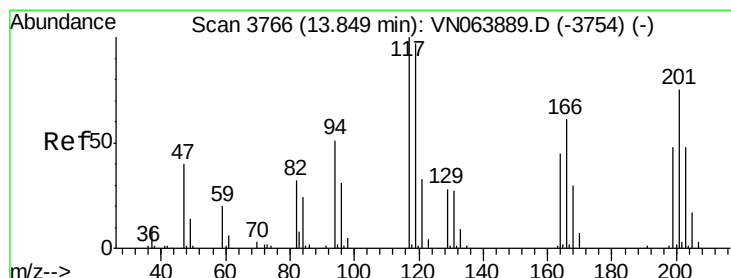
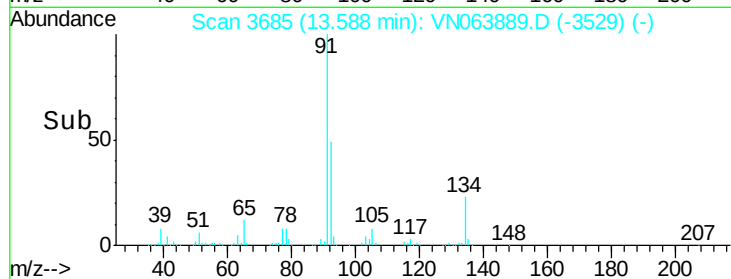
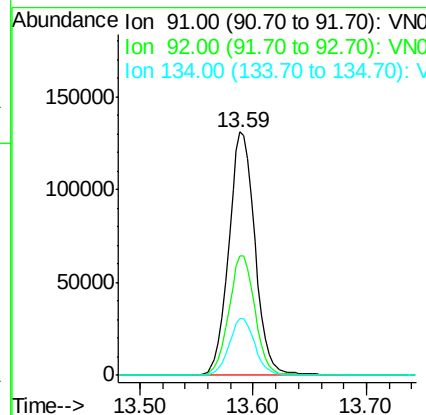
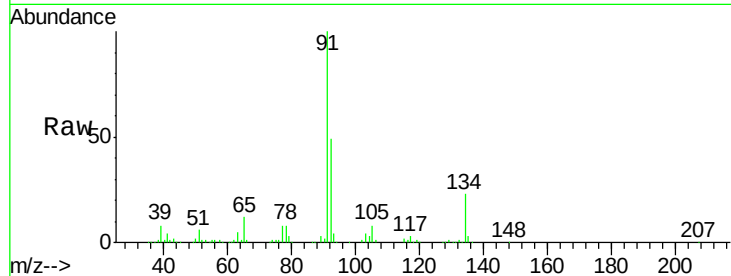
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	211068		
92	49.1	0.0	98.2	
134	22.9	0.0	45.8	

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#86

Hexachloroethane

Concen: 16.895 ug/l

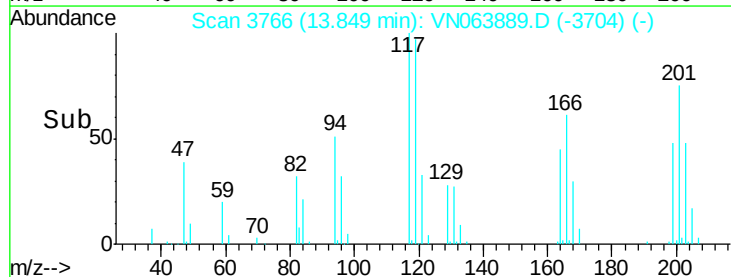
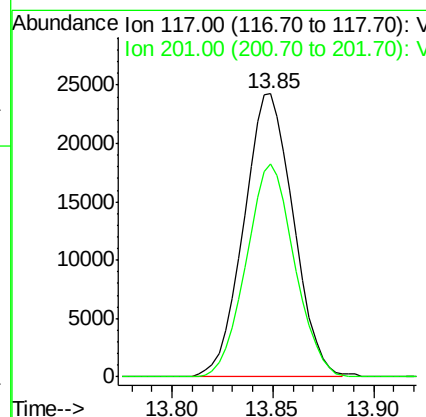
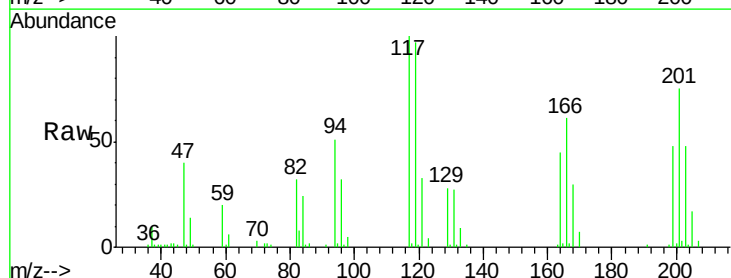
RT: 13.85 min Scan# 3766

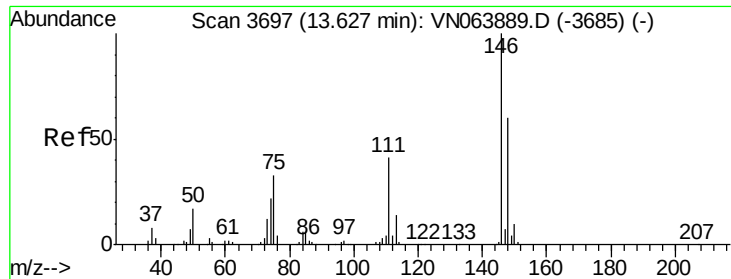
Delta R.T. 0.00 min

Lab File: VN063889.D

Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41663		
201	73.3	36.6	109.9	





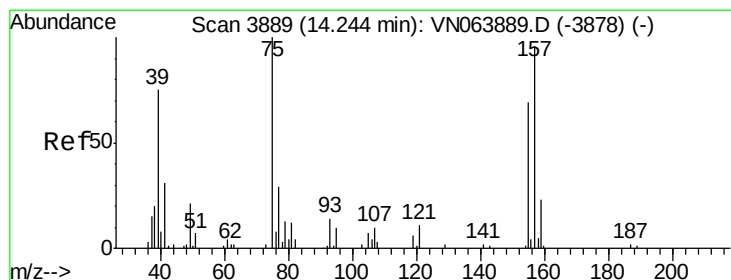
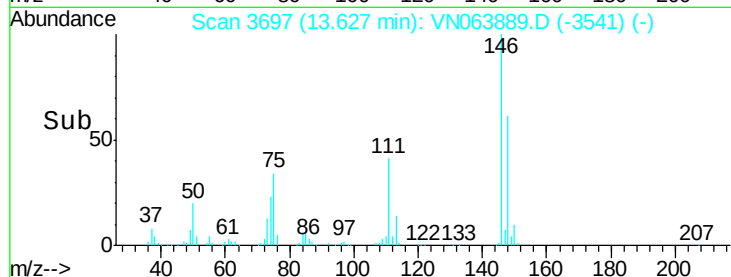
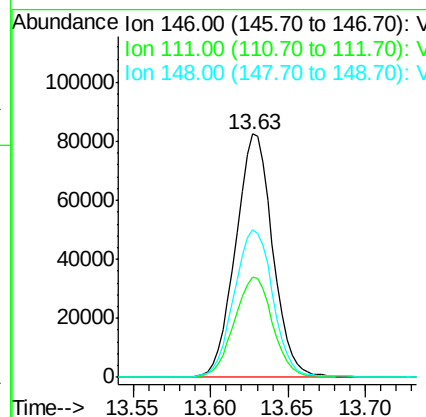
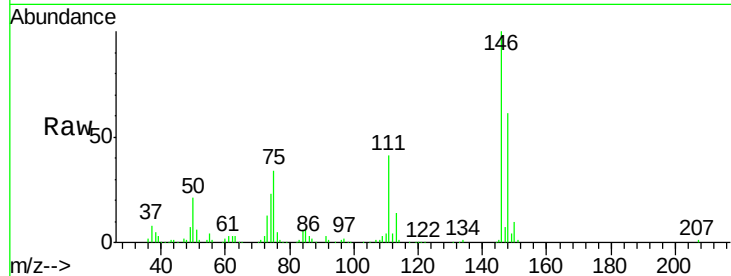
#87
 1,2-Dichlorobenzene
 Concen: 20.517 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.3	31.6	95.0

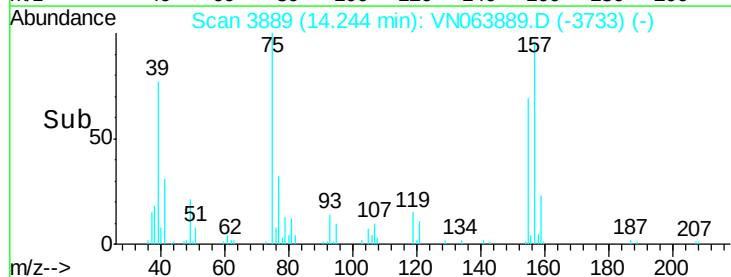
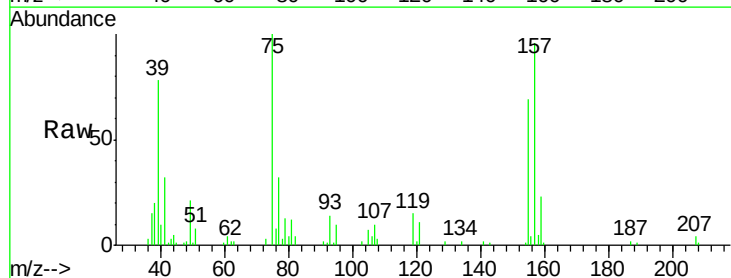
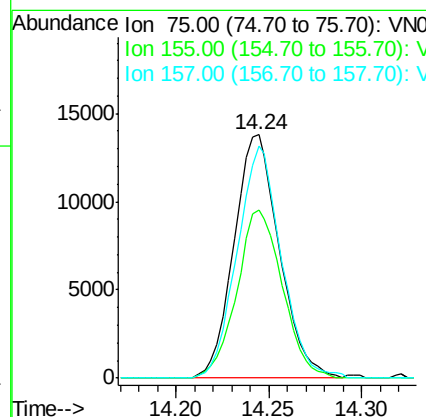
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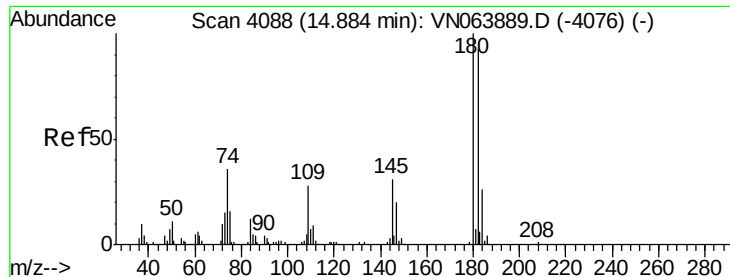
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 28.096 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	55.4	83.2
157	92.0	73.6	110.4





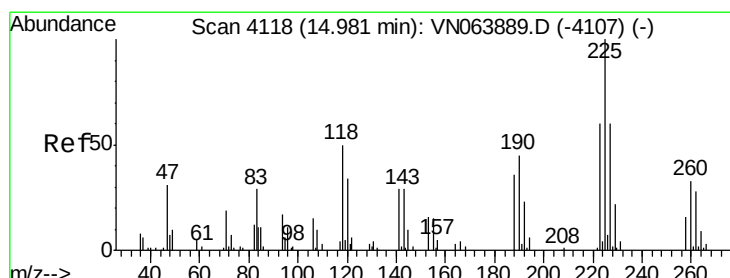
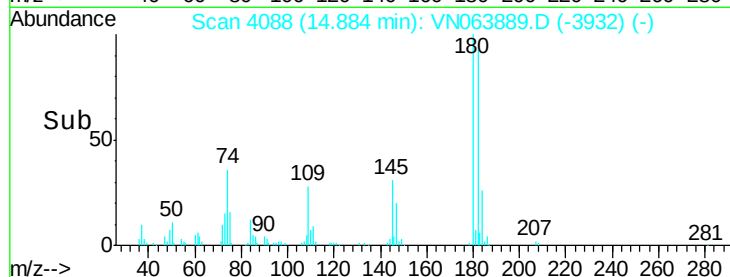
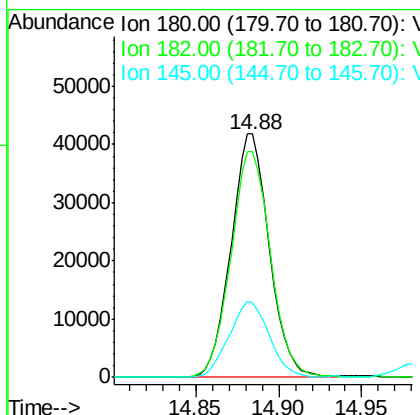
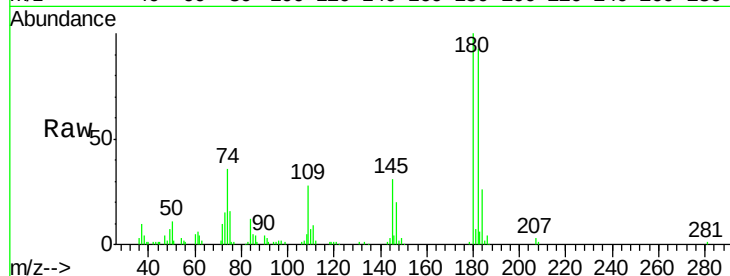
#89
 1,2,4-Trichlorobenzene
 Concen: 19.837 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	32.5	26.0	39.0

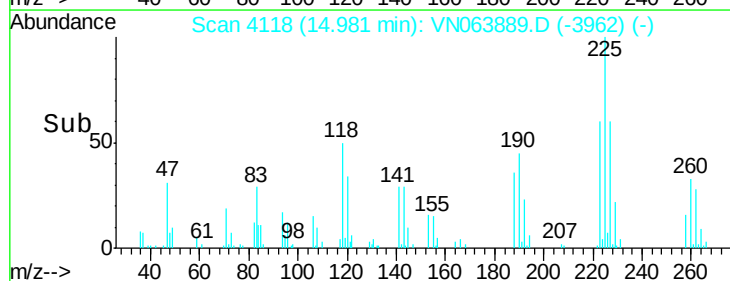
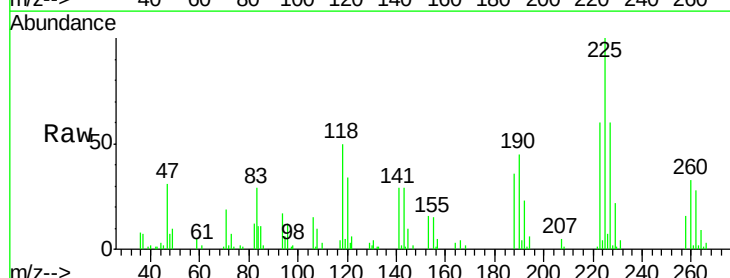
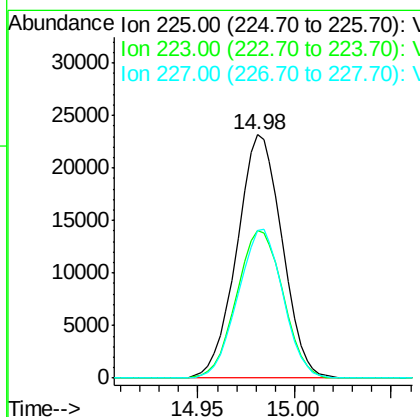
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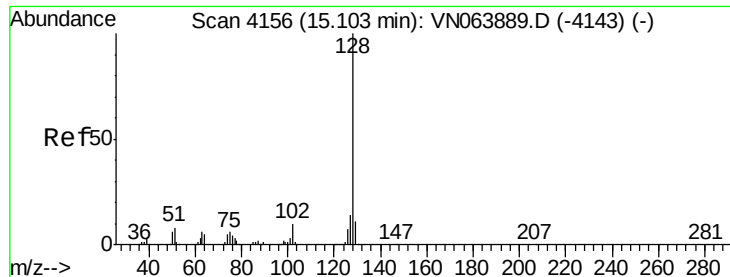
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#90
 Hexachlorobutadiene
 Concen: 16.110 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063889.D
 Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	124.8
227	60.7	0.0	121.4





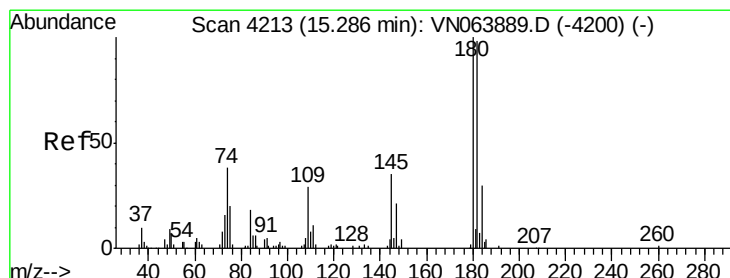
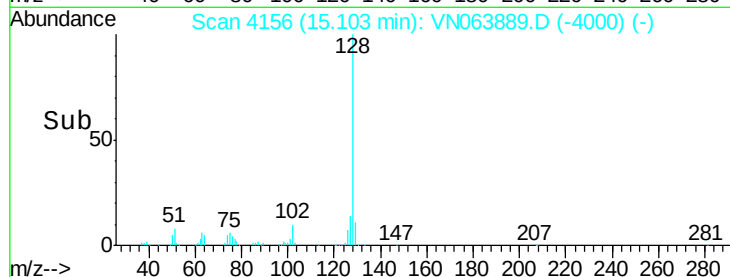
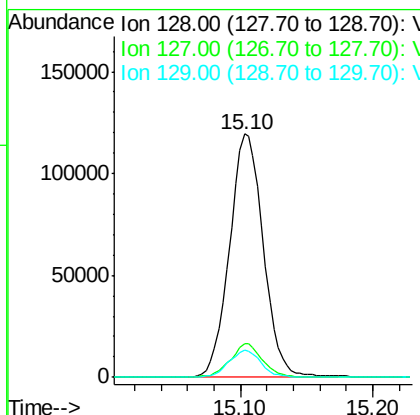
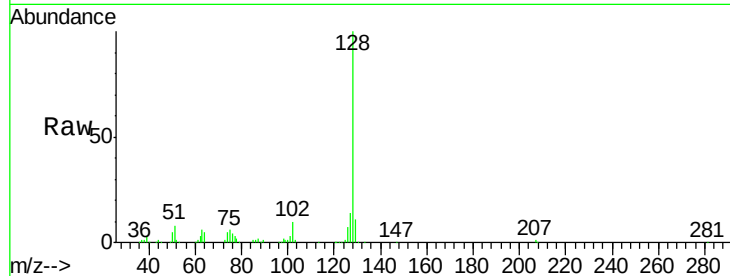
#91
Naphthalene
Concen: 25.905 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.6	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 19.936 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063889.D
Acq: 6 Oct 2020 10:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	0.0	196.0
145	35.5	0.0	71.0

