

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063034.D
 Acq On : 20 Aug 2020 13:52
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN082020

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:21:50 AM

Quant Time: Aug 21 05:53:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29064	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	154053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	145641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	63105	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.37	95	68895	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.06	98	201982	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	49639	23.888 ug/l	97
3) Chloromethane	2.03	50	52065	22.643 ug/l	99
4) Vinyl Chloride	2.16	62	52674	22.755 ug/l	100
5) Bromomethane	2.53	94	32096	22.494 ug/l	99
6) Chloroethane	2.67	64	30543	22.325 ug/l	98
7) Trichlorofluoromethane	2.98	101	62345	22.334 ug/l	100
8) Diethyl Ether	3.37	74	19669	21.186 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32471	21.513 ug/l	99
10) 1,1-Dichloroethene	3.70	96	29148	21.491 ug/l	97
11) Methyl Iodide	3.91	142	37918	20.377 ug/l	97
12) Methyl Acetate	4.28	43	37043	20.490 ug/l	99
13) Acrolein	3.56	56	15016	81.043 ug/l	97
14) Acrylonitrile	4.93	53	80993	102.316 ug/l	97
15) Acetone	3.78	58	25576	111.635 ug/l	94
16) Carbon Disulfide	4.01	76	79994	21.970 ug/l	98
17) Allyl chloride	4.27	41	52932	21.269 ug/l	93
18) Methylene Chloride	4.50	84	39600	20.868 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	31829	21.342 ug/l	94
20) Diisopropyl ether	5.90	45	128871	22.109 ug/l	97
21) 1,1-Dichloroethane	5.79	63	68167	21.309 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	38814	21.001 ug/l	98
23) tert-Butyl Alcohol	4.73	59	26584	102.507 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	105170	21.137 ug/l	99
25) Chloroform	7.33	83	69206	21.723 ug/l	100
26) Cyclohexane	7.61	56	59172	21.487 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	47316	21.150 ug/l	98
30) 2-Butanone	6.78	43	106104	101.754 ug/l	100
31) 2,2-Dichloropropane	6.77	77	57250	21.053 ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	56583	20.999 ug/l	99
33) Carbon Tetrachloride	7.73	117	47249	20.592 ug/l	96
34) Benzene	8.00	78	149971	20.918 ug/l	98
35) Methacrylonitrile	7.13	41	20377	20.561 ug/l	96
36) 1,2-Dichloroethane	8.08	62	50417	20.613 ug/l	99
37) Trichloroethene	8.80	130	36808	20.964 ug/l	100
38) Methylcyclohexane	9.05	83	58069	20.694 ug/l	99
39) 1,2-Dichloropropane	9.08	63	42717	20.472 ug/l	98
40) Dibromomethane	9.17	93	25580	21.115 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	55719	20.755	ug/l	96
42) Vinyl Acetate	5.84	43	384576	97.356	ug/l	100
43) Ethyl Acetate	6.88	43	38694	19.441	ug/l	99
44) Isopropyl Acetate	8.12	43	66885	20.018	ug/l	98
45) 1,4-Dioxane	9.17	88	12821	409.704	ug/l	97
46) Methyl methacrylate	9.17	41	32059	19.488	ug/l	93
47) n-amyl Acetate	12.05	43	55612	18.753	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	56481	19.920	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	63748	20.656	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	37730	20.199	ug/l	96
51) Ethyl methacrylate	10.40	69	48725	19.173	ug/l	98
52) 1,3-Dichloropropane	10.68	76	62953	20.399	ug/l	100
53) Dibromochloromethane	10.87	129	42103	20.540	ug/l	98
54) 1,2-Dibromoethane	10.98	107	37272	20.800	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	49874	95.542	ug/l	99
56) Bromoform	12.10	173	29573	19.702	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	211607	101.000	ug/l	100
59) 2-Hexanone	10.72	43	149248	99.861	ug/l	99
61) Tetrachloroethene	10.60	164	32762	20.520	ug/l	96
62) Toluene	10.12	91	161451	20.917	ug/l	100
64) Chlorobenzene	11.40	112	100205	20.980	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	38831	20.513	ug/l	99
66) Ethyl Benzene	11.48	91	171579	20.392	ug/l	98
67) m/p-Xylenes	11.60	106	132727	42.108	ug/l	99
68) o-Xylene	11.92	106	61308	20.248	ug/l	99
69) Styrene	11.94	104	108016	20.422	ug/l	100
70) Isopropylbenzene	12.22	105	174144	21.142	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	54043	20.460	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	43517m	18.567	ug/l	
73) Bromobenzene	12.50	156	45057	20.285	ug/l	99
74) n-propylbenzene	12.56	91	205517	20.800	ug/l	99
75) 2-Chlorotoluene	12.65	91	121668	20.661	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	145327	20.675	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	16092	19.426	ug/l	95
78) 4-Chlorotoluene	12.75	91	123508	20.343	ug/l	99
79) tert-butylbenzene	12.97	119	119433	20.193	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	142023	20.756	ug/l	99
81) sec-Butylbenzene	13.15	105	167132	20.514	ug/l	100
82) p-Isopropyltoluene	13.26	119	145082	20.087	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	78641	20.277	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	74567	19.672	ug/l	99
85) n-Butylbenzene	13.59	91	114449	19.067	ug/l	100
86) Hexachloroethane	13.85	117	28798	20.244	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	75032	20.201	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7847	18.729	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	33373	18.206	ug/l	97
90) Hexachlorobutadiene	14.98	225	28154	20.751	ug/l	99
91) Naphthalene	15.10	128	65721	16.226	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	33196	18.140	ug/l	98

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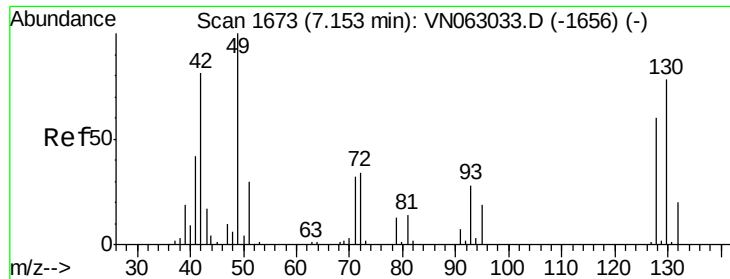
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



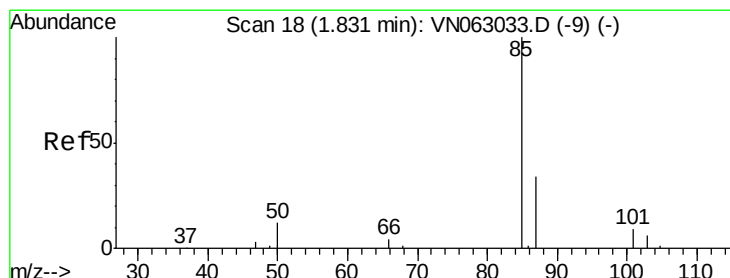
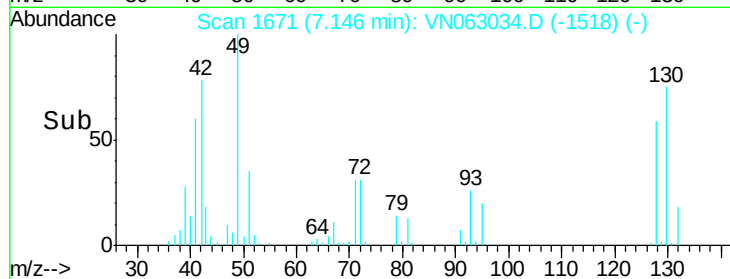
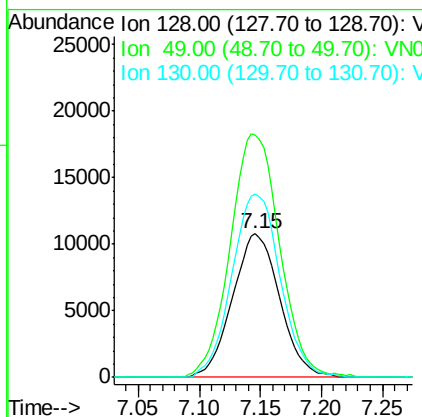
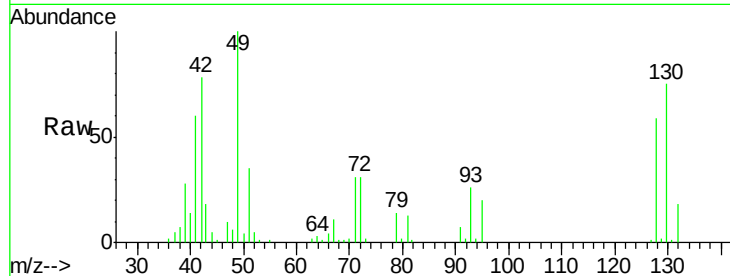
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.1	0.0	437.5
130	130.5	0.0	327.3

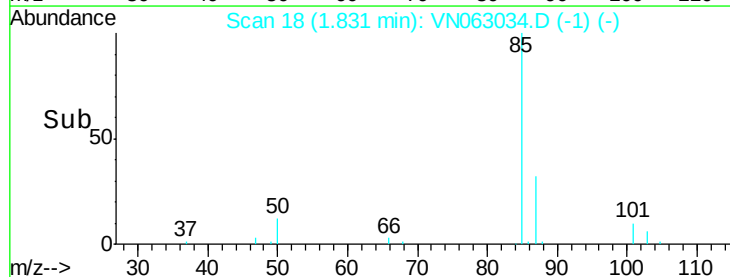
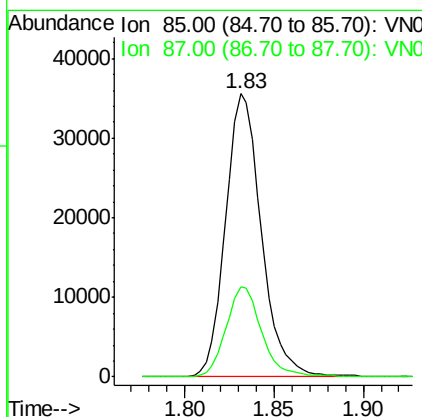
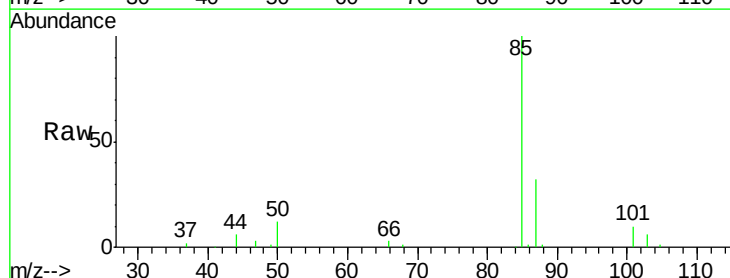
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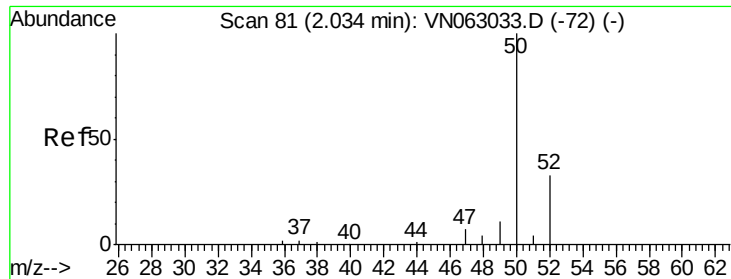
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#2
Dichlorodifluoromethane
Concen: 23.888 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.9	50.6





#3

Chloromethane

Concen: 22.643 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 50 Resp: 52065

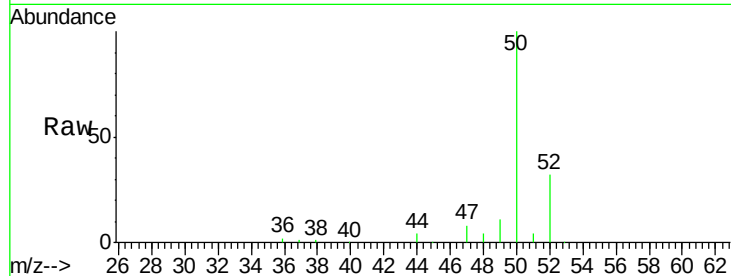
Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0

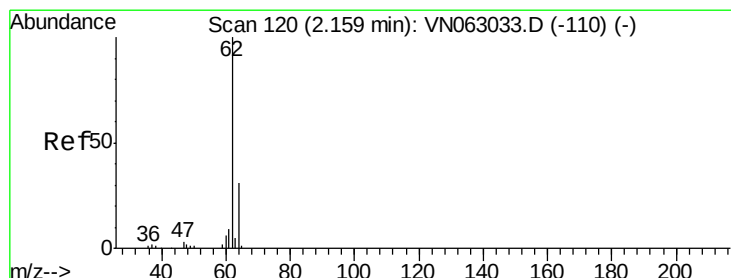
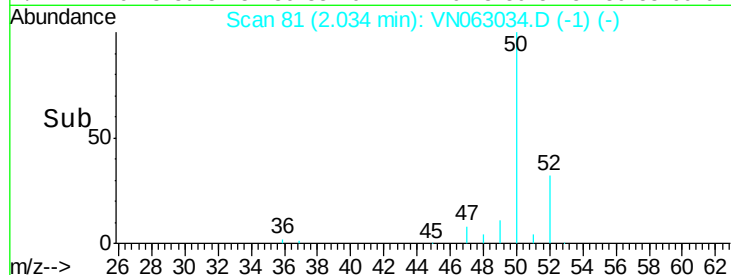
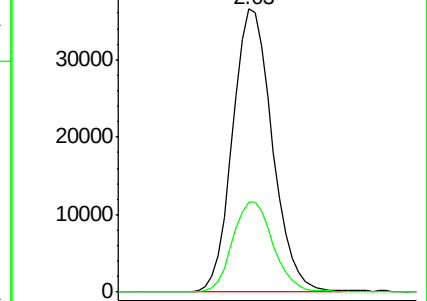
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Abundance Ion 50.00 (49.70 to 50.70): VN063033.D (-72) (-)

Ion 52.00 (51.70 to 52.70): VN063033.D (-72) (-)



#4

Vinyl Chloride

Concen: 22.755 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063034.D

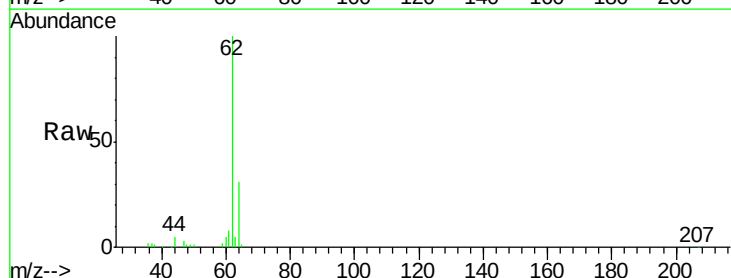
Acq: 20 Aug 2020 13:52

Tgt Ion: 62 Resp: 52674

Ion Ratio Lower Upper

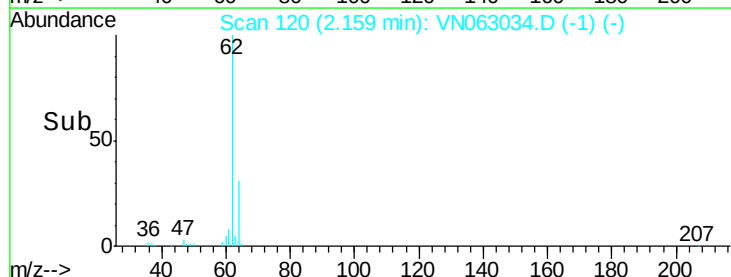
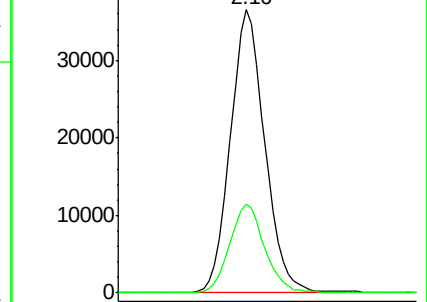
62 100

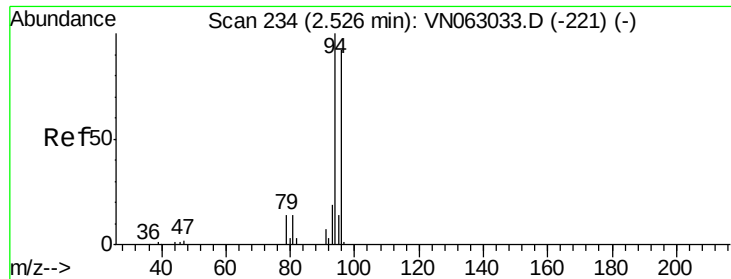
64 31.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN063033.D (-110) (-)

Ion 64.00 (63.70 to 64.70): VN063033.D (-110) (-)





#5

Bromomethane

Concen: 22.494 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 94 Resp: 32096

Ion Ratio Lower Upper

94 100

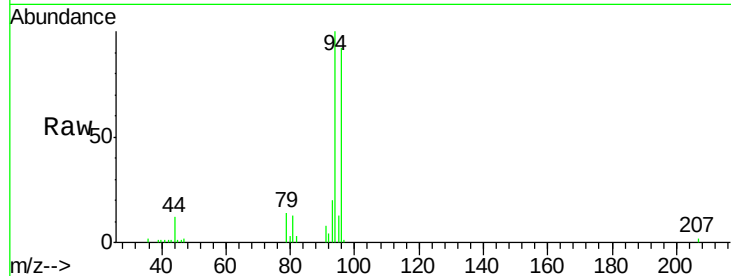
96 91.1 74.0 111.0

Manual Integrations

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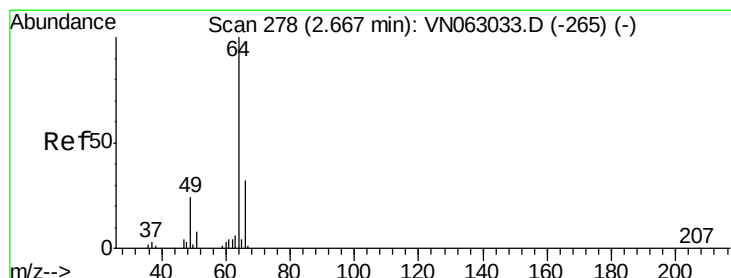
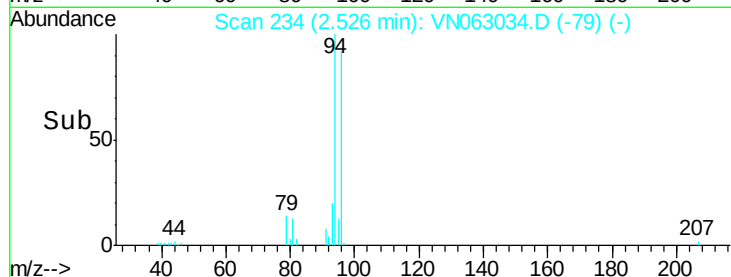
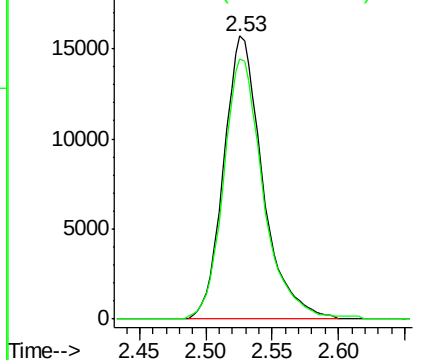
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.325 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN063034.D

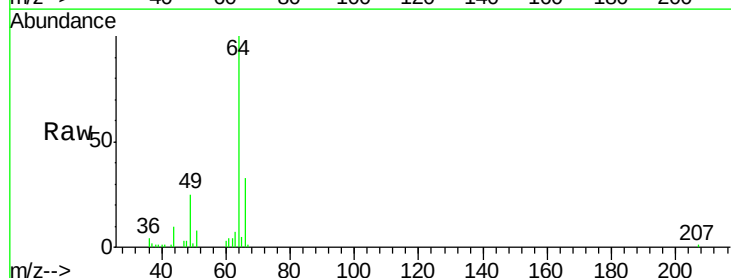
Acq: 20 Aug 2020 13:52

Tgt Ion: 64 Resp: 30543

Ion Ratio Lower Upper

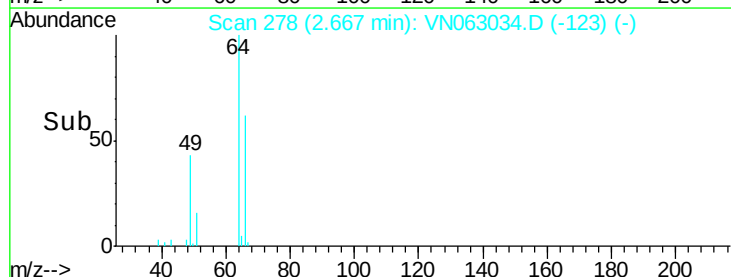
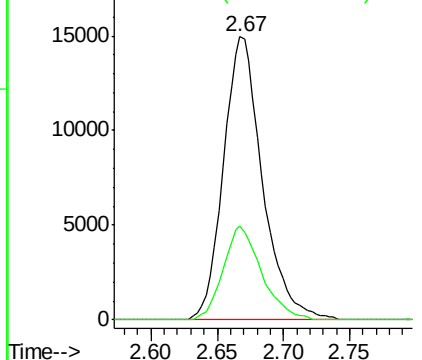
64 100

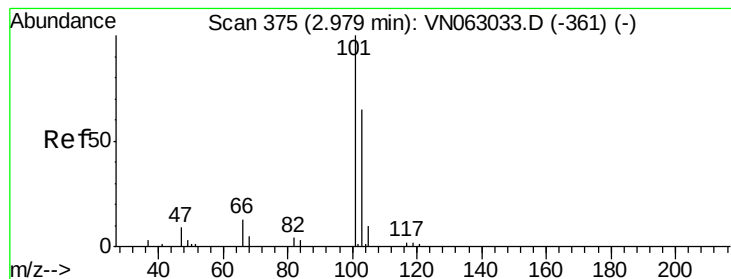
66 33.2 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

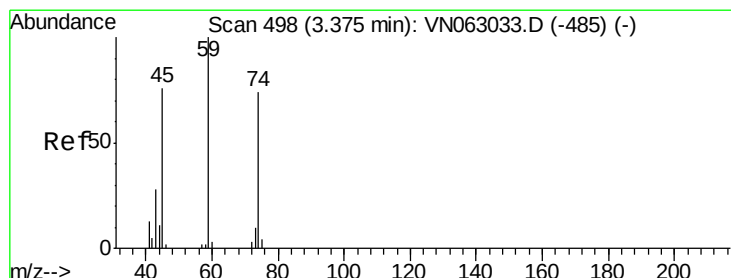
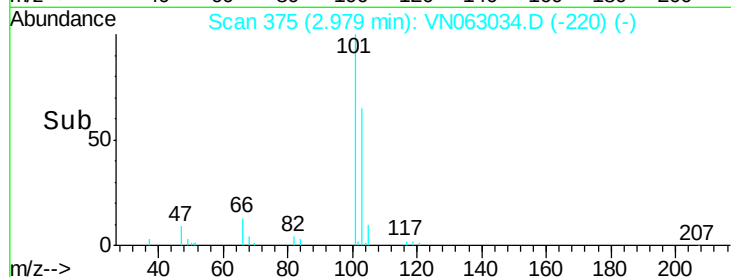
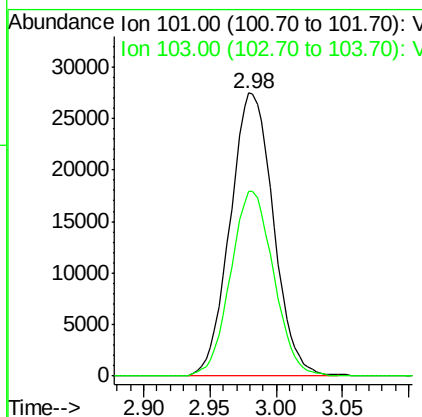
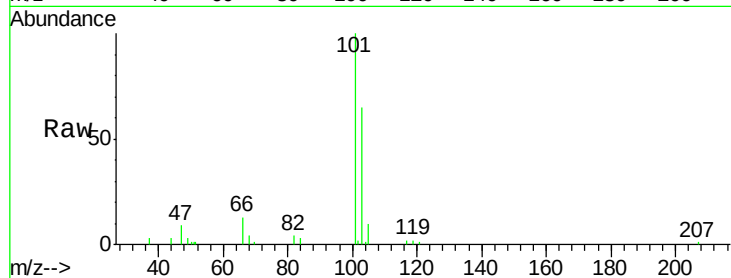
Trichlorofluoromethane
 Concen: 22.334 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.9	77.9

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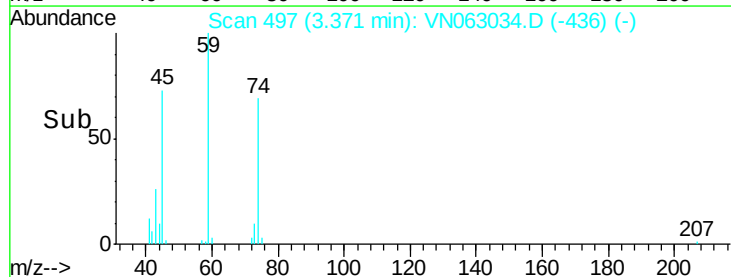
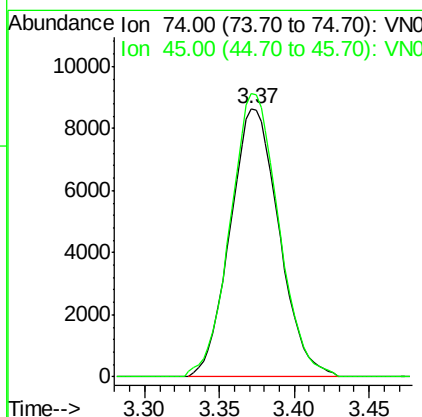
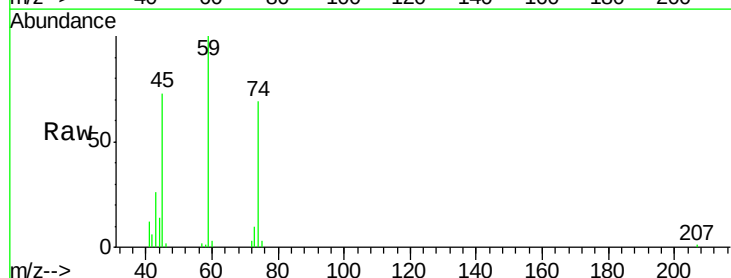
MMDadoda
 8/21/2020 9:21:50 AM

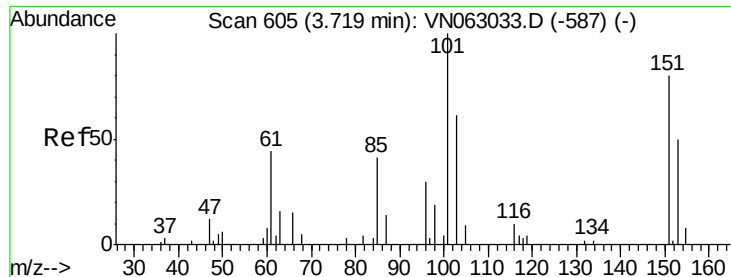


#8

Diethyl Ether
 Concen: 21.186 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.513 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

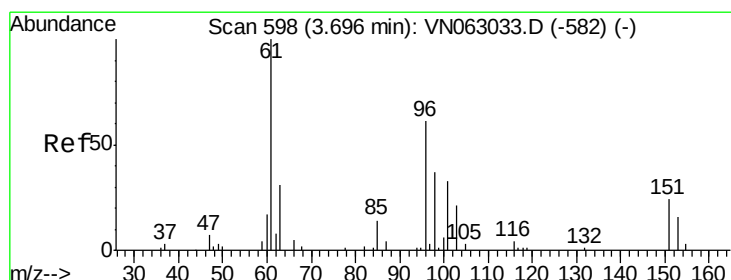
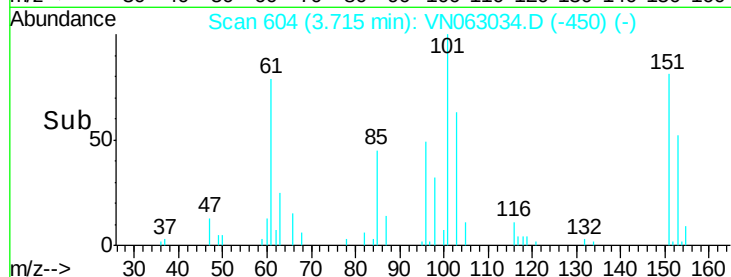
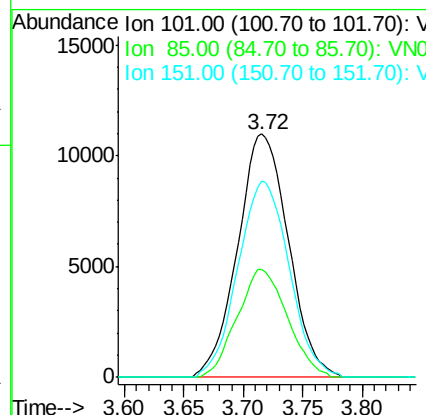
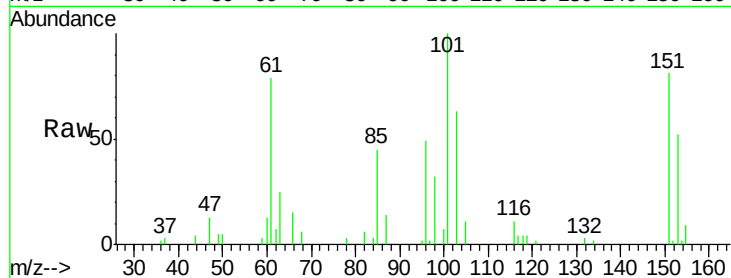
ClientSampled :

ICVVN082020

Tot Ion:	101	Resp:	32471
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	85.0
151	81.2	0.0	161.6

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#10

1,1-Dichloroethene

Concen: 21.491 ug/l

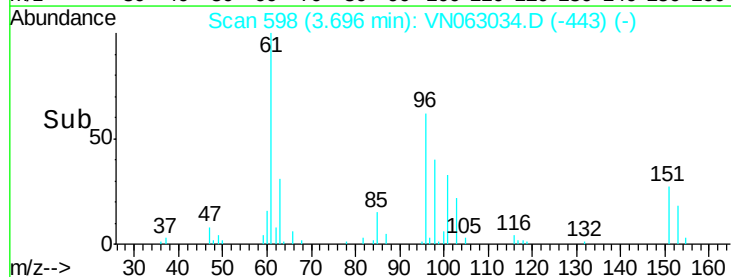
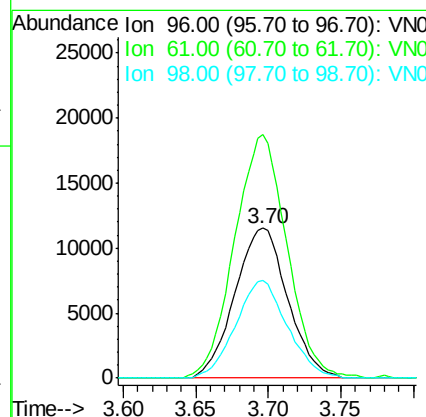
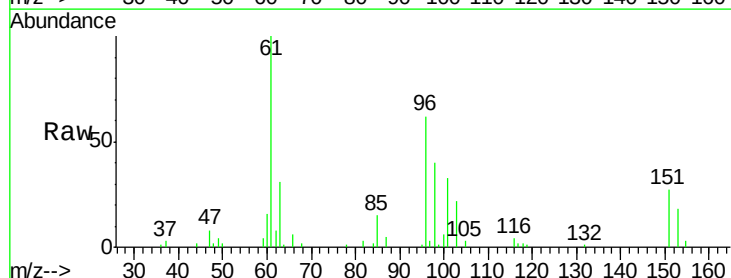
RT: 3.70 min Scan# 598

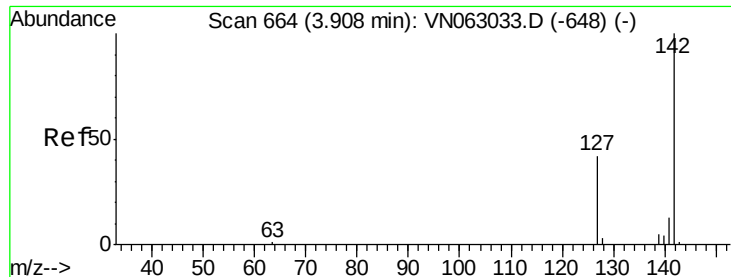
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	96	Resp:	29148
Ion Ratio	Lower	Upper	
96	100		
61	159.7	130.8	196.2
98	65.0	49.0	73.4





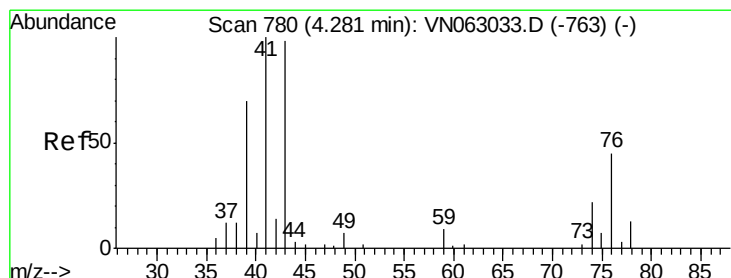
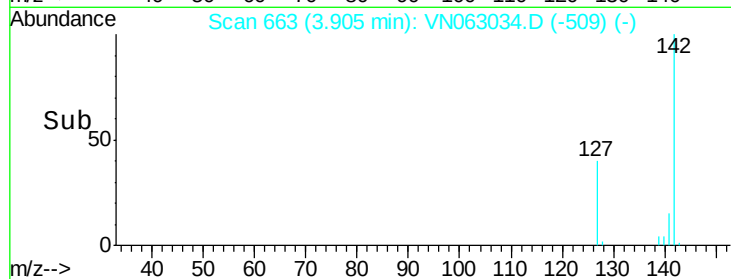
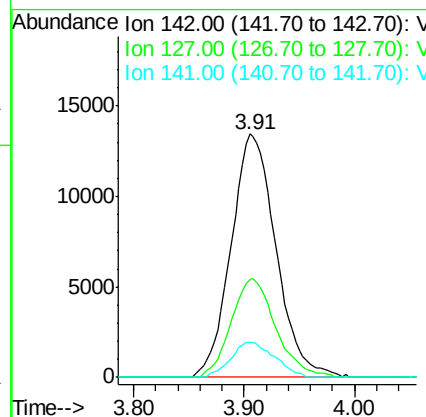
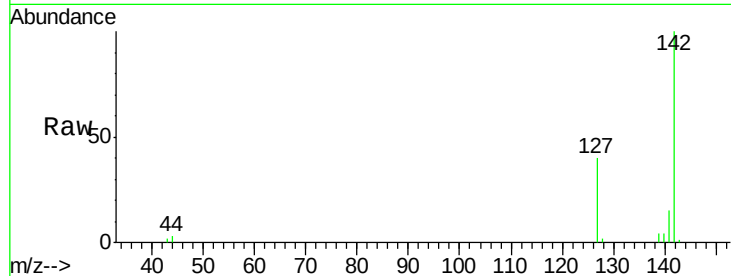
#11
Methvl Iodide
Concen: 20.377 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.3	20.9	62.8
141	14.6	6.7	20.1

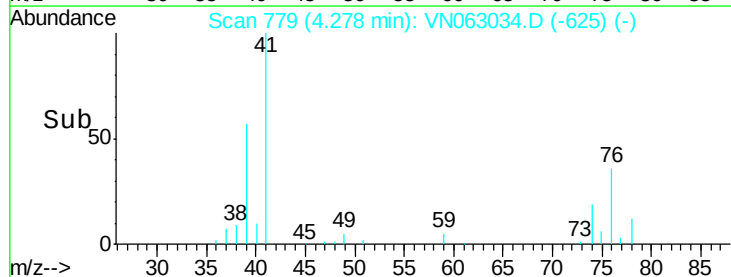
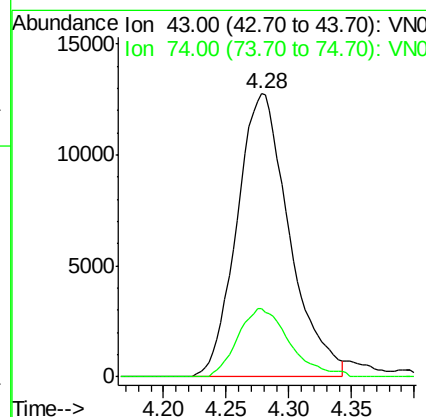
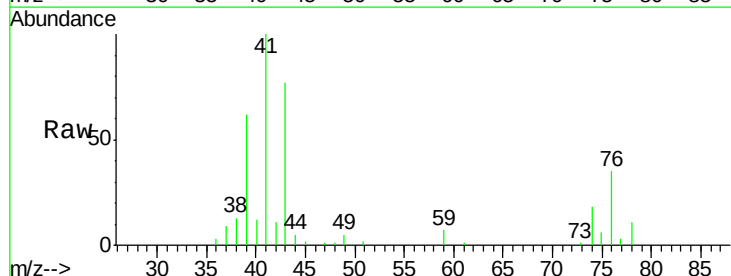
Manual Integrations
APPROVED

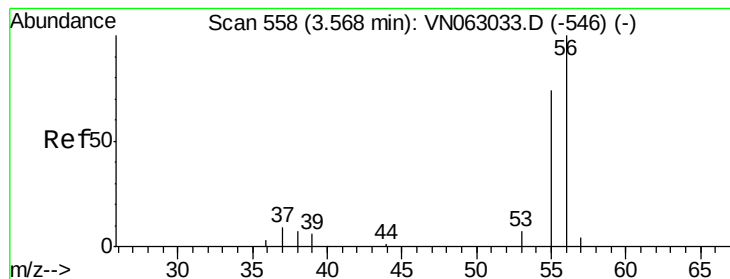
MMDadoda
8/21/2020 9:21:50 AM



#12
Methyl Acetate
Concen: 20.490 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.6	27.8





#13

Acrolein

Concen: 81.043 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 56 Resp: 15016

Ion Ratio Lower Upper

56 100

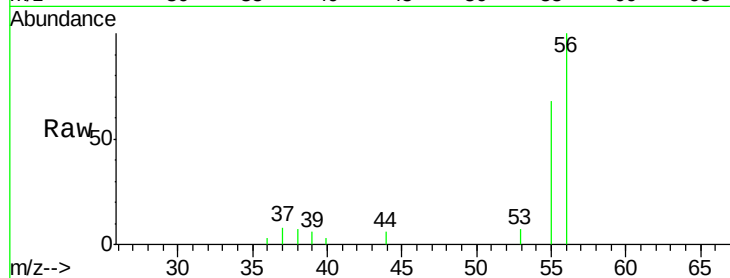
55 75.8 58.7 88.1

Manual Integrations

APPROVED

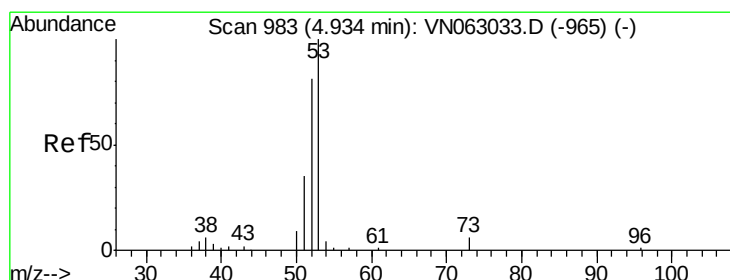
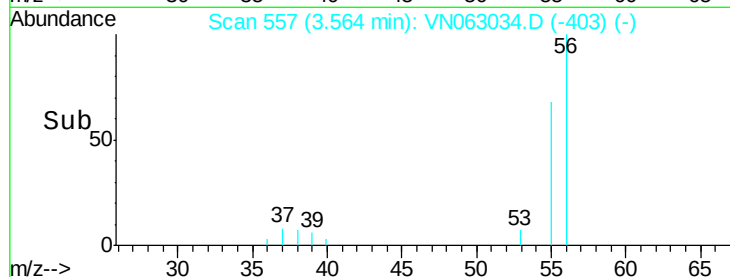
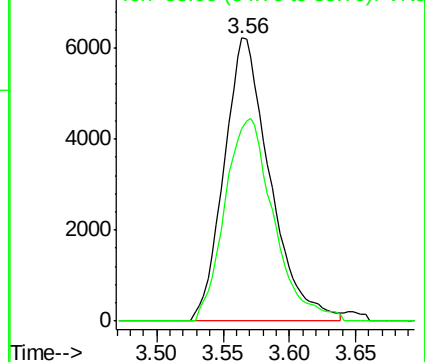
MMDadoda

8/21/2020 9:21:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.316 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

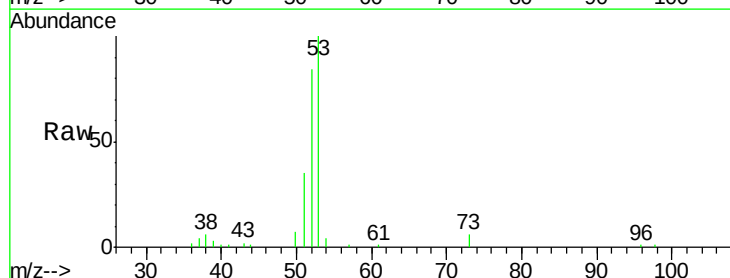
Tgt Ion: 53 Resp: 80993

Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

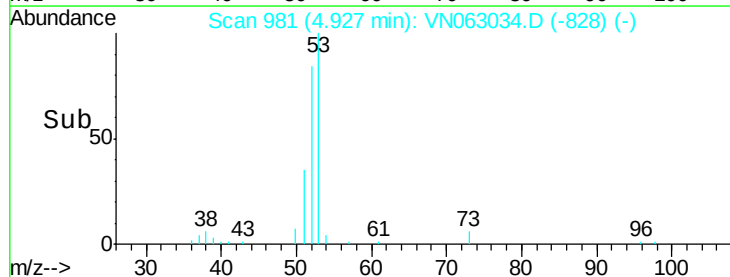
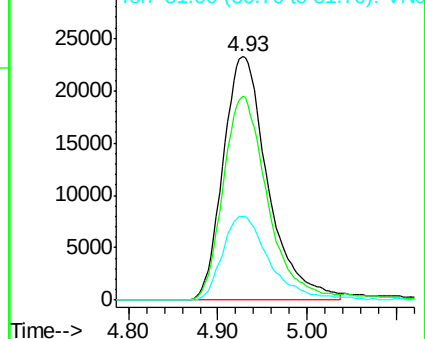
51 35.3 17.0 51.0

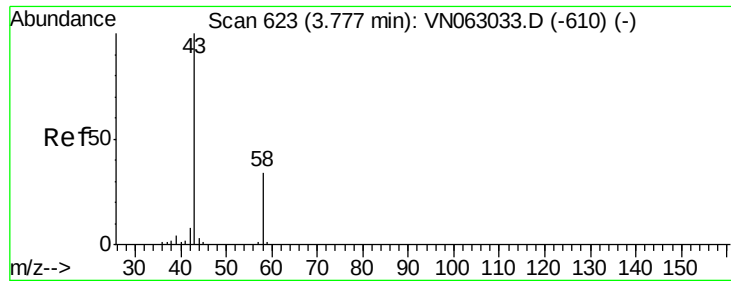


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 111.635 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 58 Resp: 25576

Ion Ratio Lower Upper

58 100

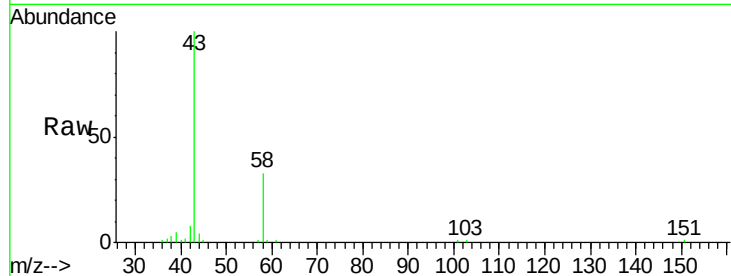
43 302.8 233.2 349.8

Manual Integrations

APPROVED

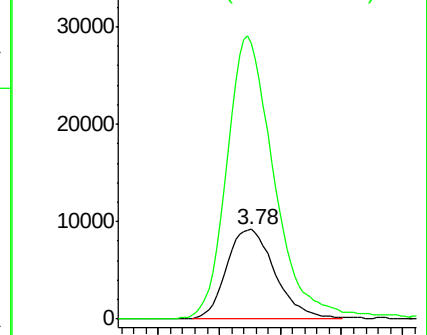
MMDadoda

8/21/2020 9:21:50 AM

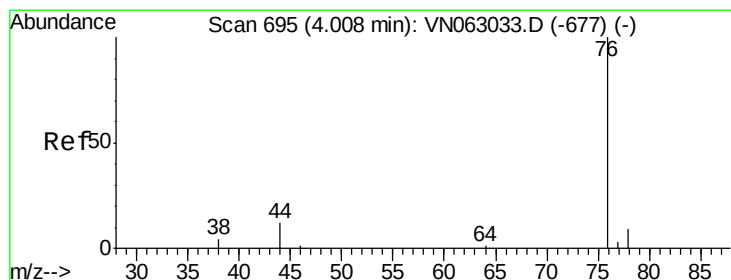
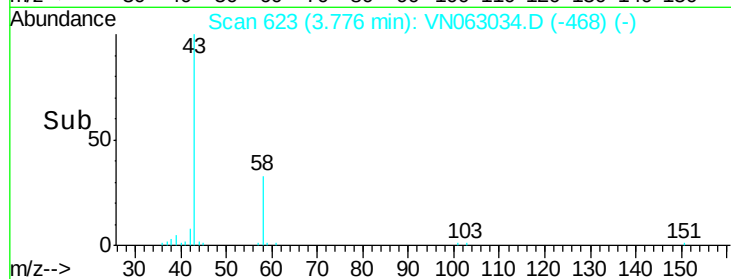


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 21.970 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063034.D

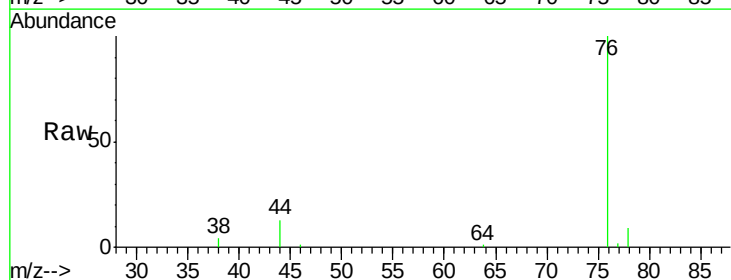
Acq: 20 Aug 2020 13:52

Tgt Ion: 76 Resp: 79994

Ion Ratio Lower Upper

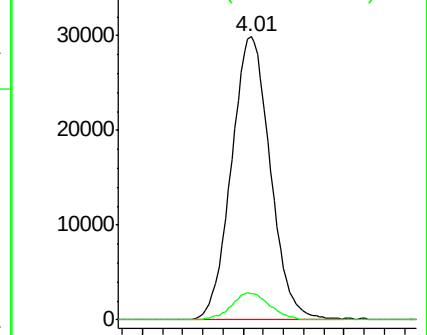
76 100

78 9.4 7.0 10.4

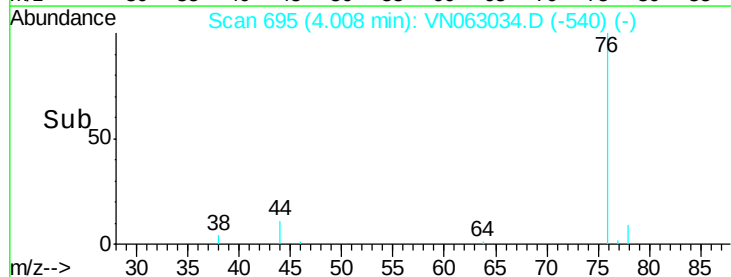


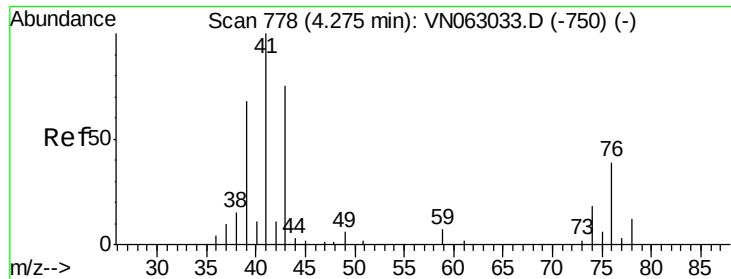
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





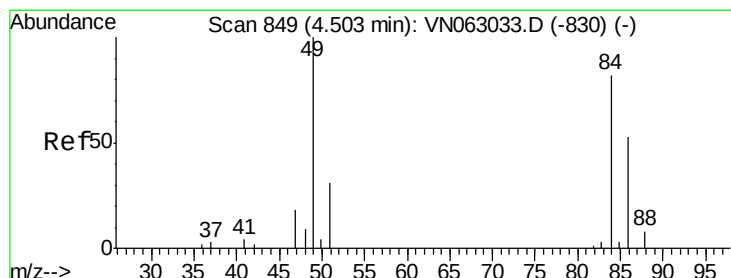
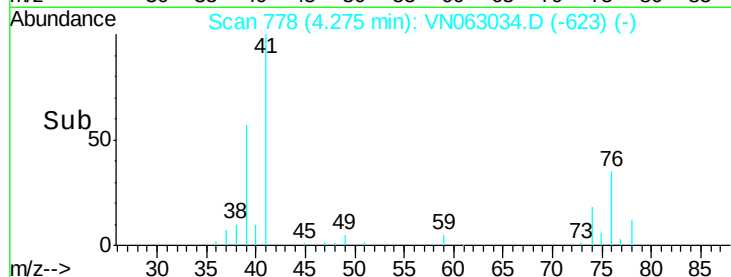
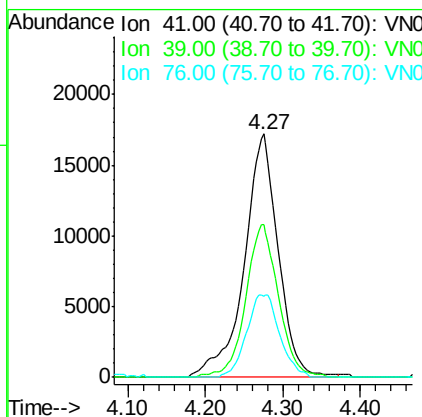
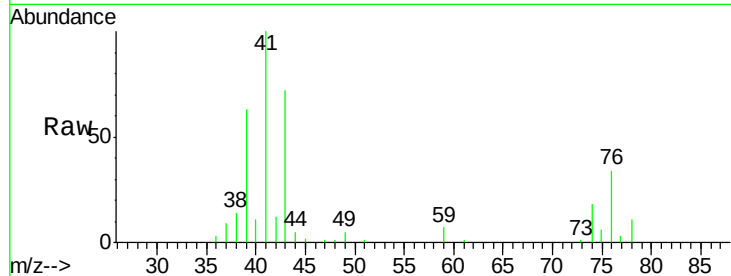
#17
Allvl chloride
Concen: 21.269 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion:	41	Resp:	52932
Ion	Ratio	Lower	Upper
41	100		
39	62.6	33.8	101.4
76	33.5	19.4	58.4

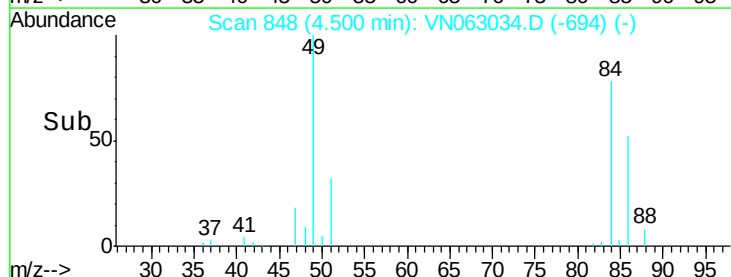
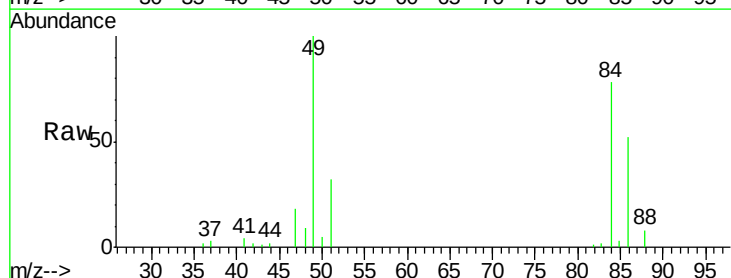
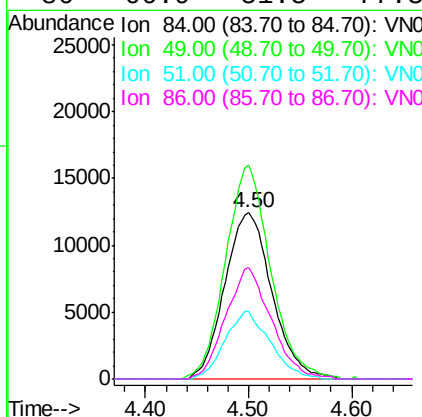
Manual Integrations
APPROVED

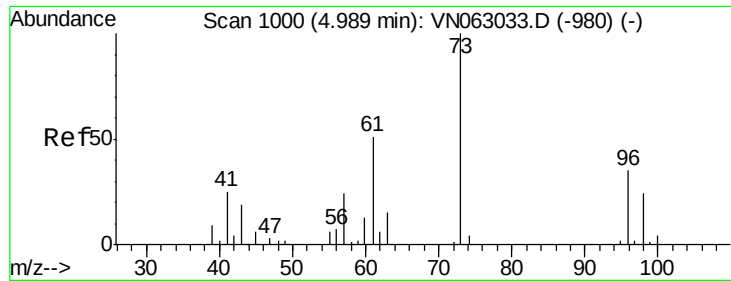
MMDadoda
8/21/2020 9:21:50 AM



#18
Methylene Chloride
Concen: 20.868 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion:	84	Resp:	39600
Ion	Ratio	Lower	Upper
84	100		
49	127.1	97.8	146.8
51	40.8	30.7	46.1
86	66.9	51.5	77.3





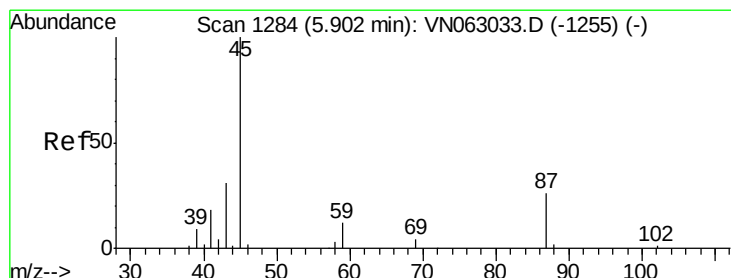
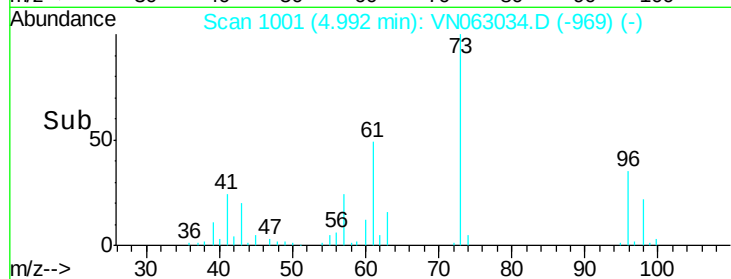
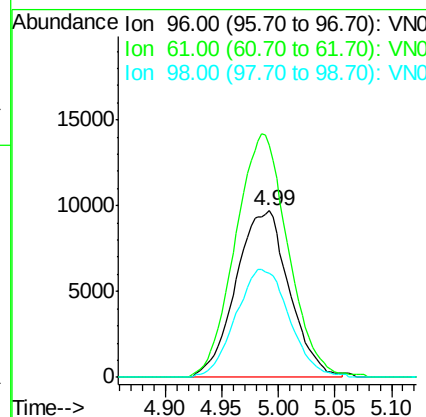
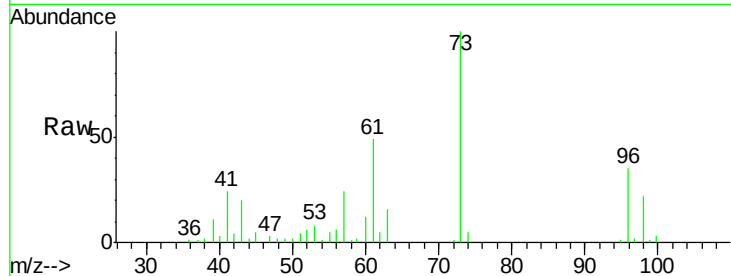
#19
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	115.9	173.9
98	62.7	53.3	79.9

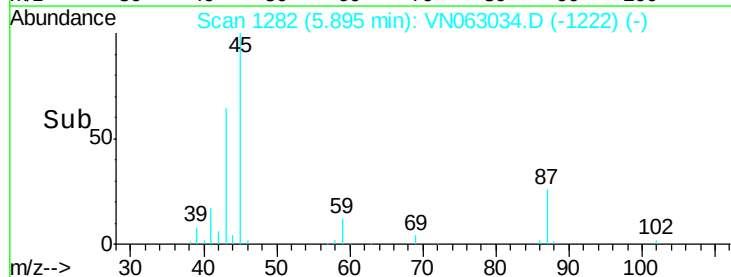
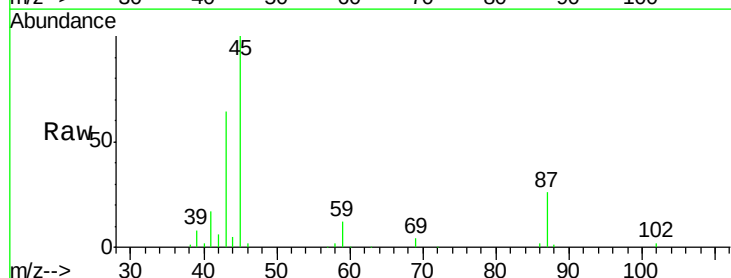
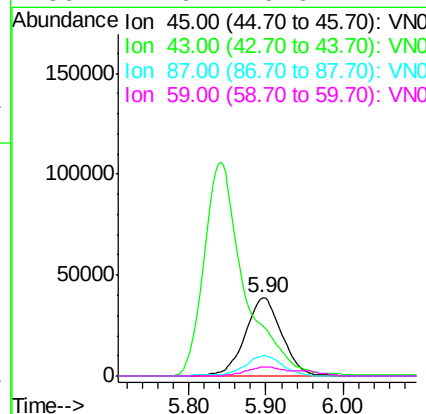
Manual Integrations
APPROVED

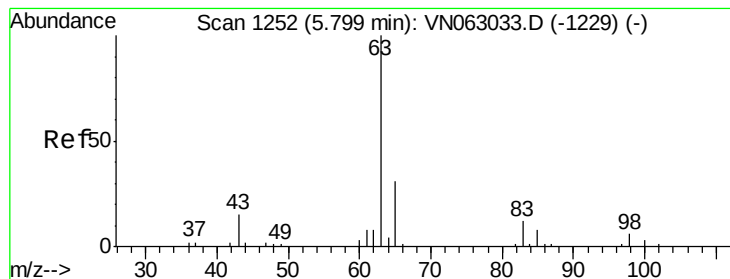
MMDadoda
8/21/2020 9:21:50 AM



#20
Diisopropyl ether
Concen: 22.109 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	51.8	77.6
87	26.3	21.8	32.6
59	11.9	9.6	14.4





#21

1,1-Dichloroethane

Concen: 21.309 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

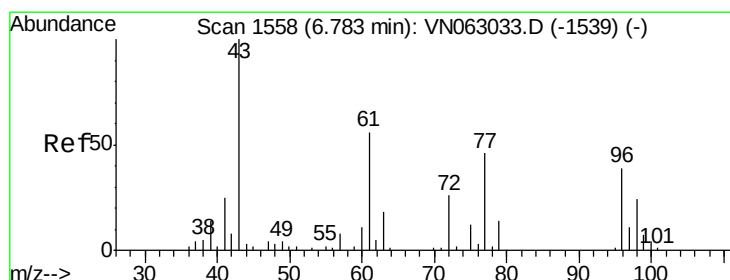
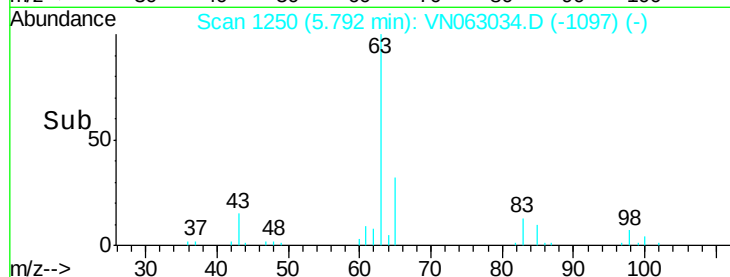
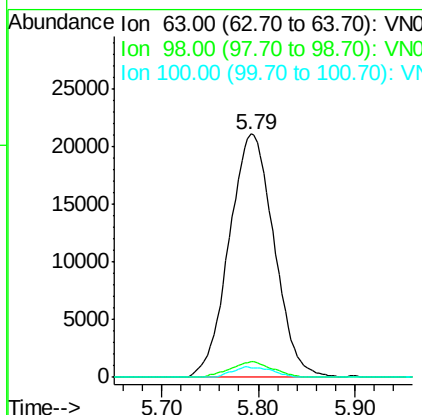
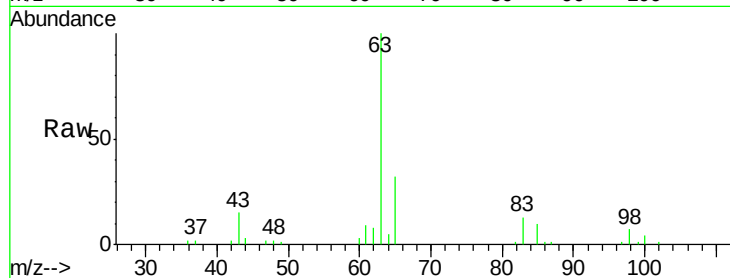
ClientSampleId :

ICVVN082020

Tot Ion:	63	Resp:	68167
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.1	9.3
100	4.0	1.8	5.3

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:21:50 AM



#22

cis-1,2-Dichloroethene

Concen: 21.001 ug/l

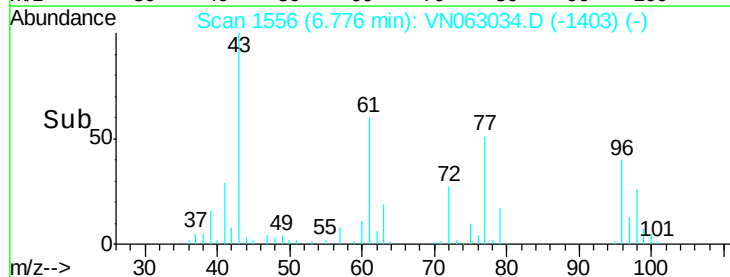
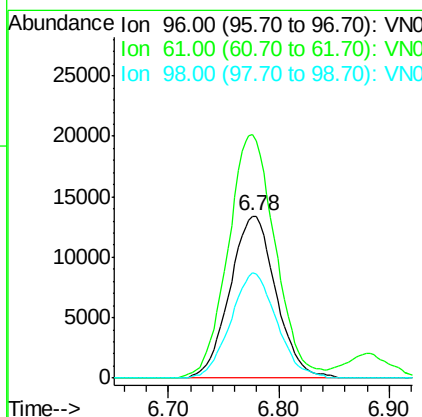
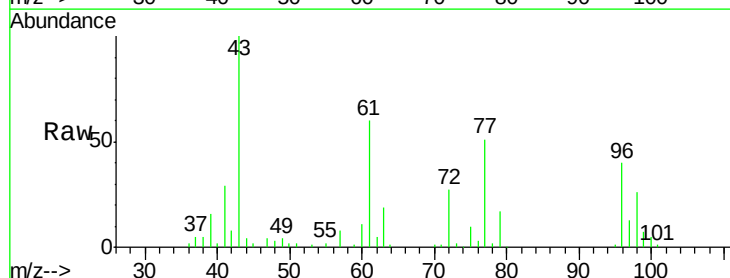
RT: 6.78 min Scan# 1556

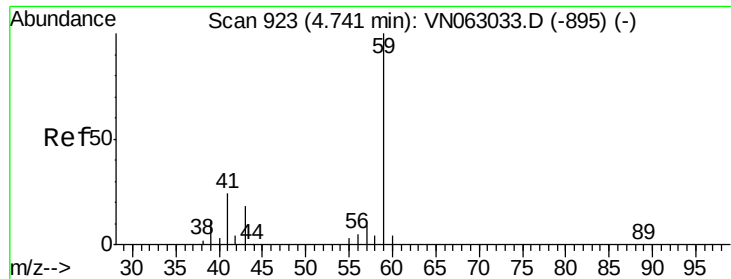
Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	96	Resp:	38814
Ion	Ratio	Lower	Upper
96	100		
61	154.2	120.9	181.3
98	64.8	50.3	75.5





#23

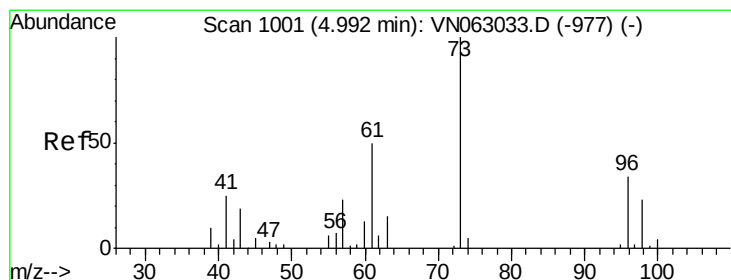
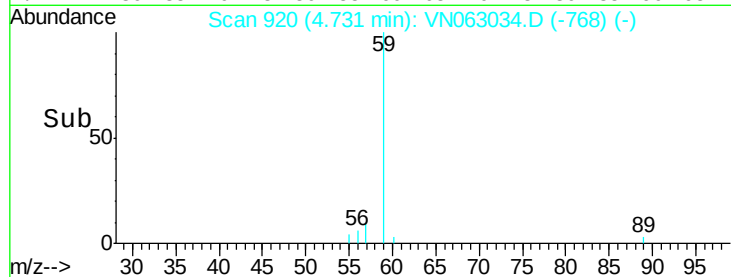
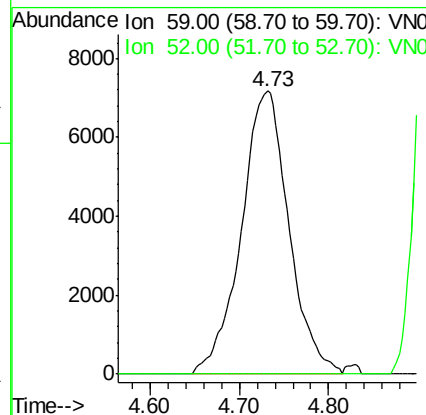
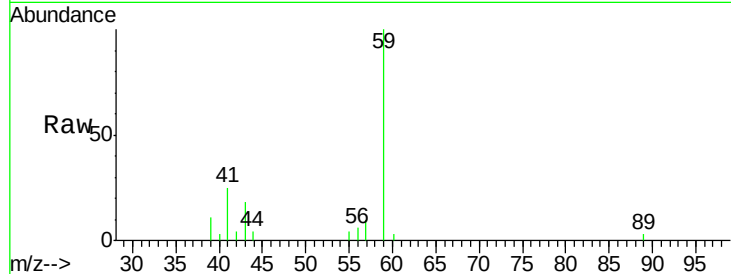
tert-Butyl Alcohol
 Concen: 102.507 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

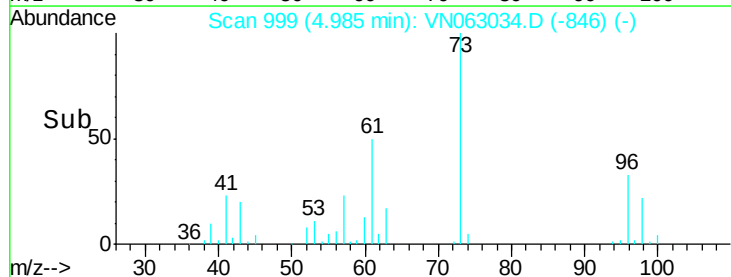
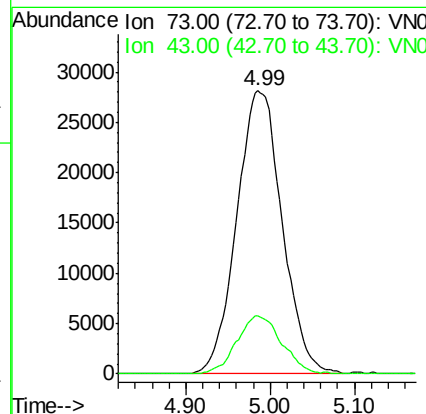
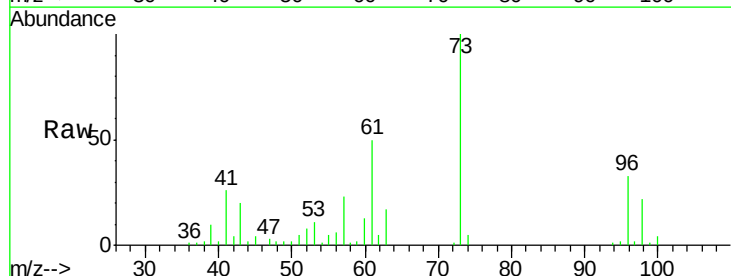
MMDadoda
 8/21/2020 9:21:50 AM

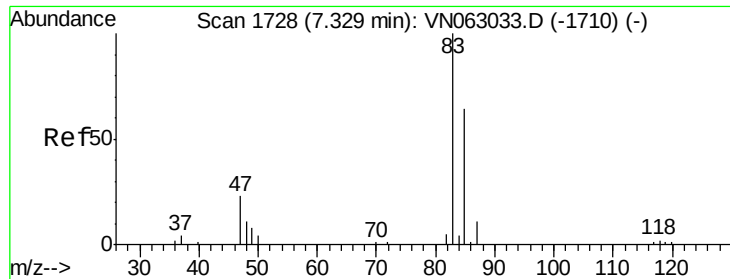


#24

Methyl tert-Butyl Ether
 Concen: 21.137 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	15.8	23.6





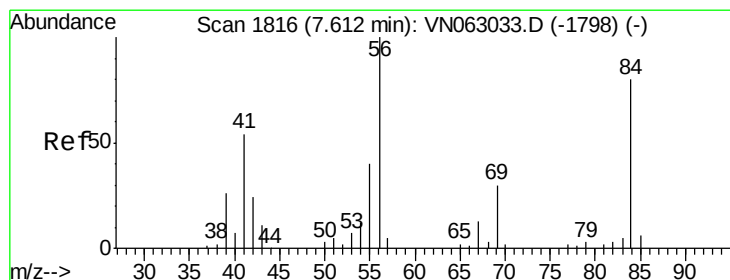
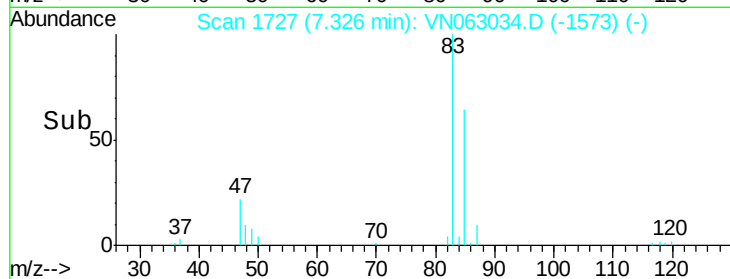
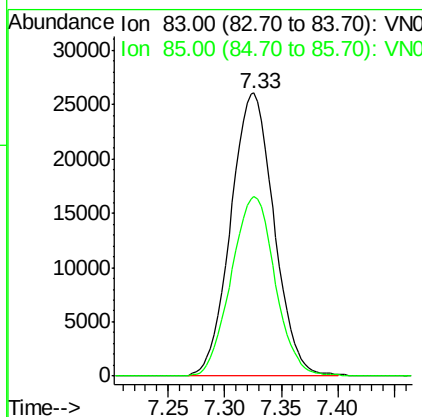
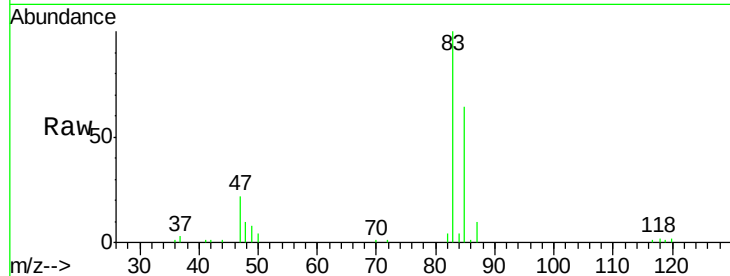
#25
Chloroform
Concen: 21.723 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	83	Resp	69206
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4

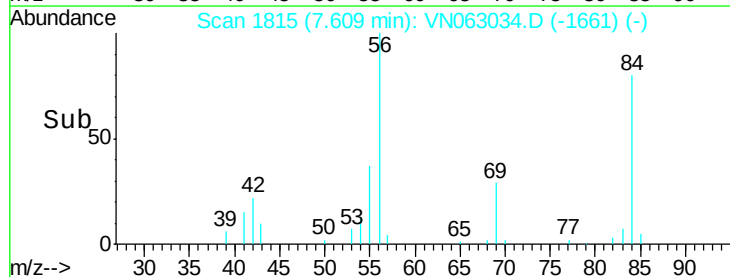
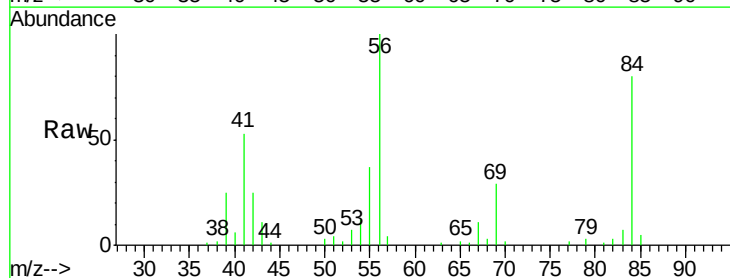
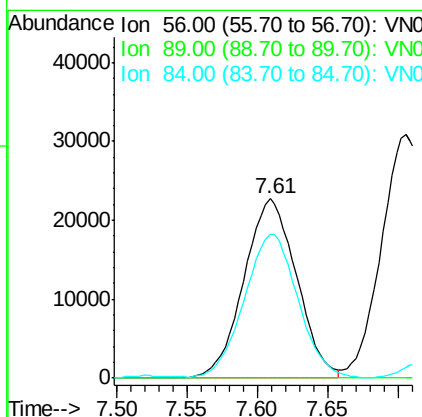
Manual Integrations
APPROVED

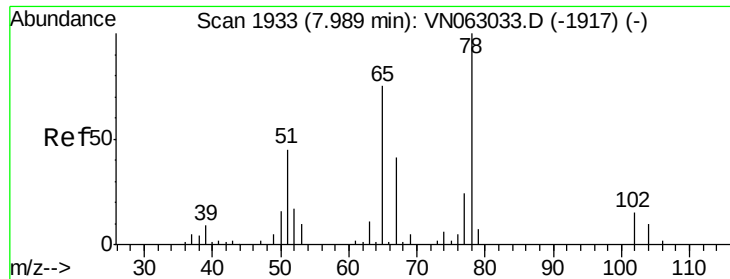
MMDadoda
8/21/2020 9:21:50 AM



#26
Cyclohexane
Concen: 21.487 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	56	Resp	59172
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	82.2	65.0	97.4





#27

1,2-Dichloroethane-d4

Concen: 30.644 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 65 Resp: 63105

Ion Ratio Lower Upper

65 100

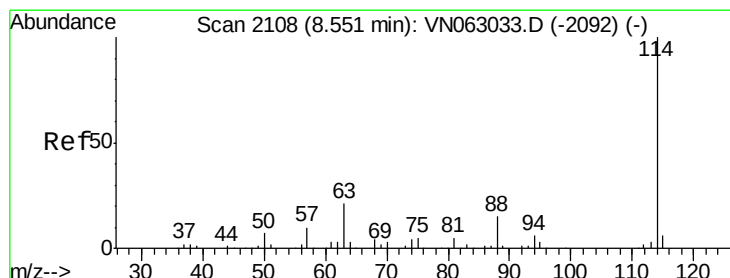
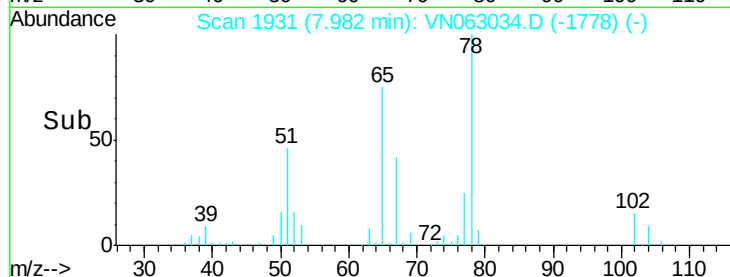
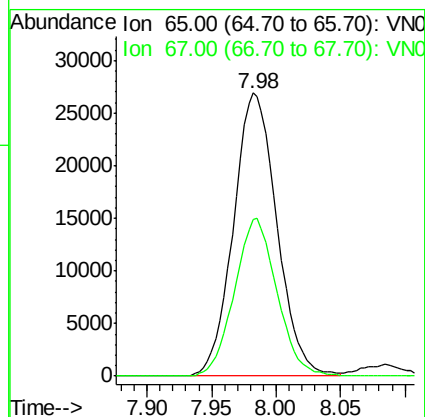
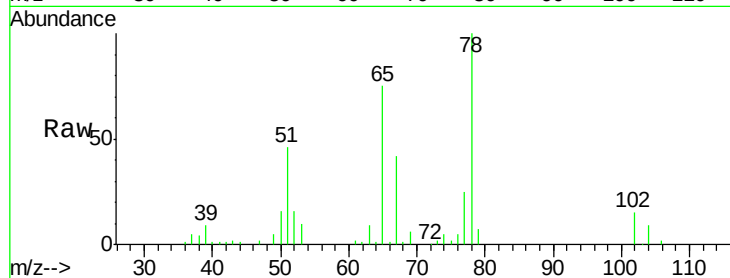
67 54.3 43.8 65.6

Manual Integrations

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MMDadoda

8/21/2020 9:21:50 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

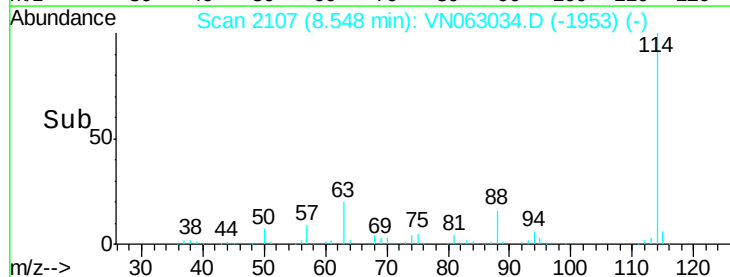
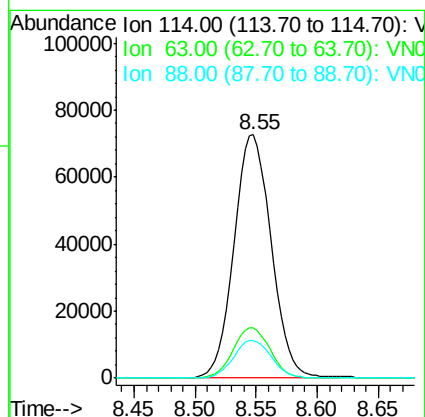
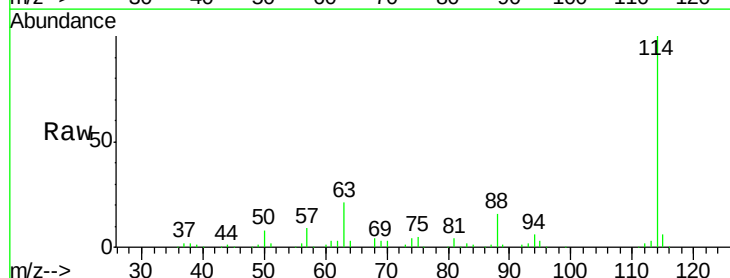
Tgt Ion: 114 Resp: 154053

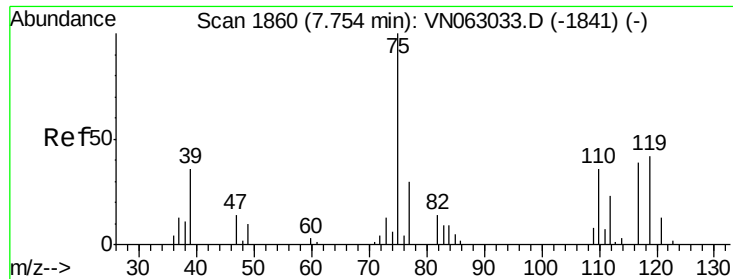
Ion Ratio Lower Upper

114 100

63 20.7 17.0 25.6

88 15.7 12.6 18.8





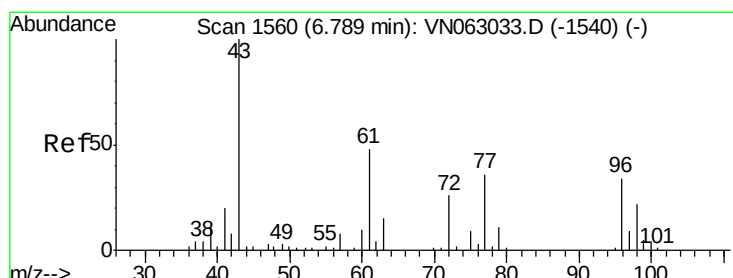
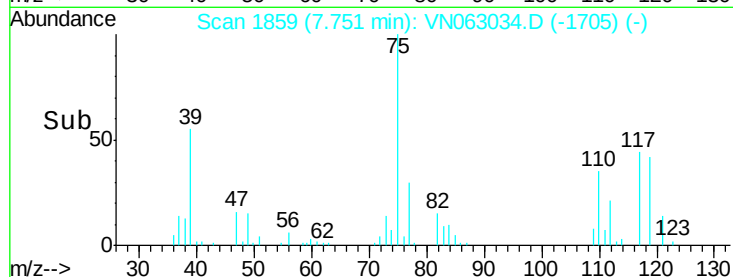
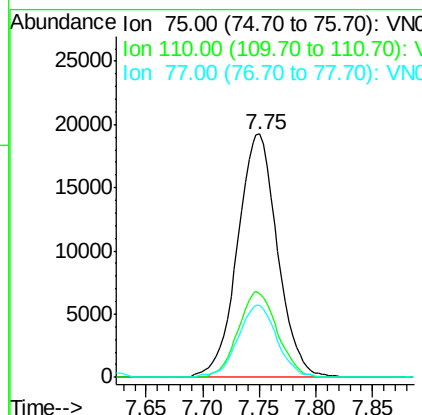
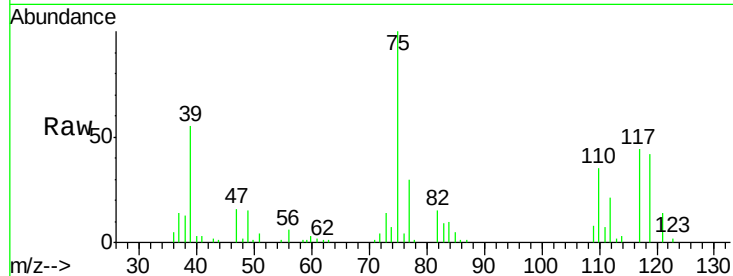
#29
 1,1-Dichloropropene
 Concen: 21.150 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.3	0.0	70.6
77	29.1	0.0	60.2

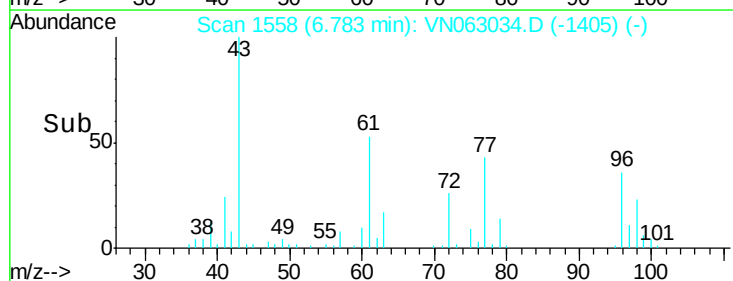
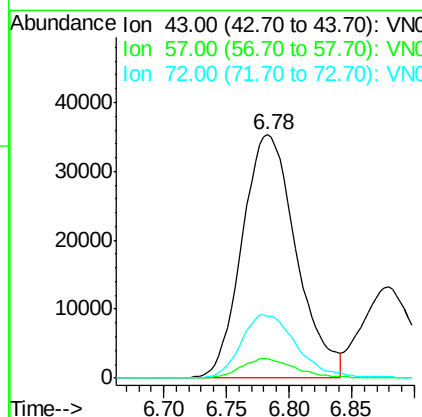
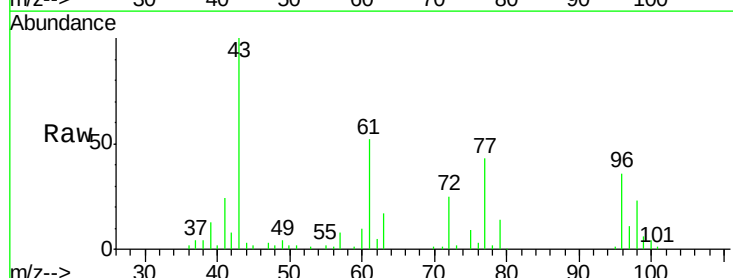
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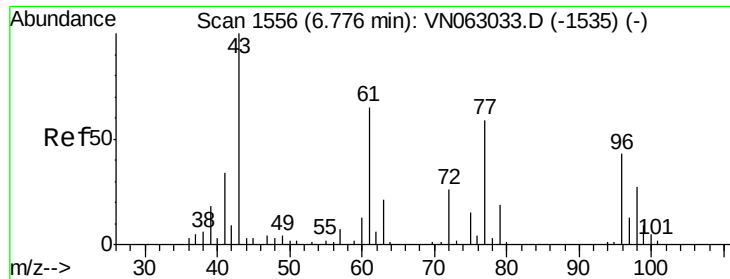
MMDadoda
 8/21/2020 9:21:50 AM



#30
 2-Butanone
 Concen: 101.754 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.6	9.8
72	26.7	21.3	31.9





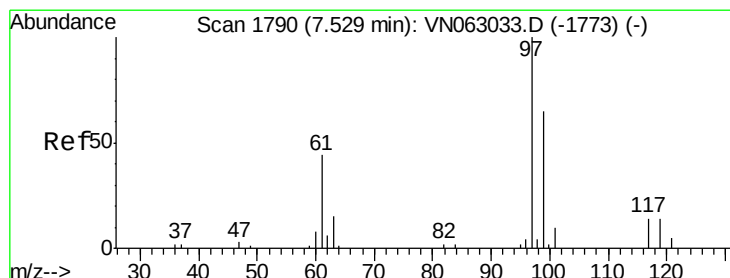
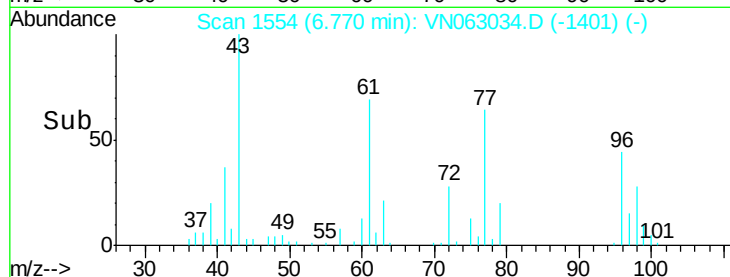
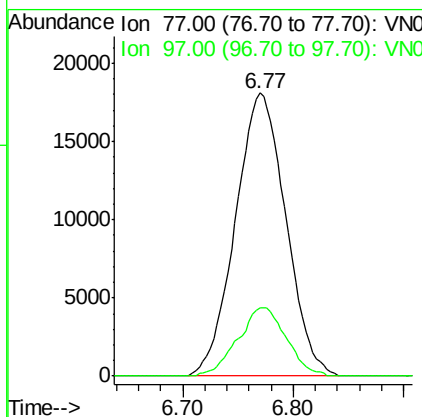
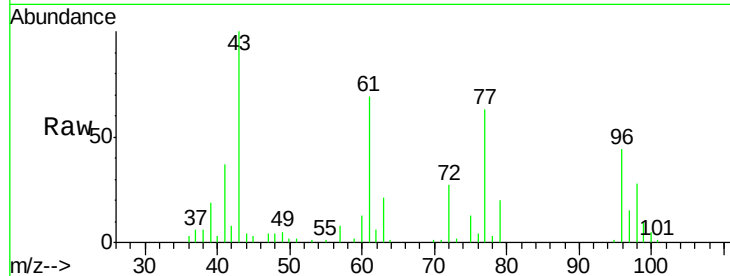
#31
 2,2-Dichloropropane
 Concen: 21.053 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082020

Tot Ion: 77 Resp: 57250
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.2 27.4

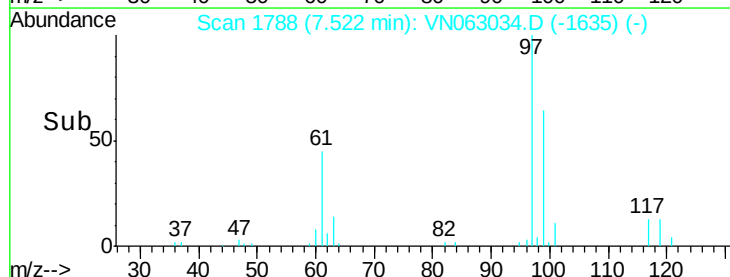
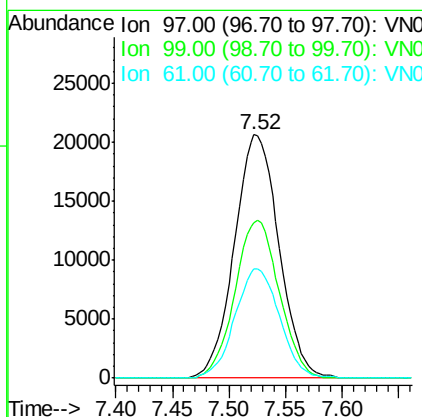
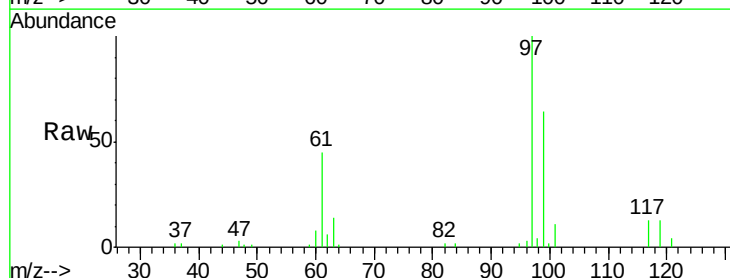
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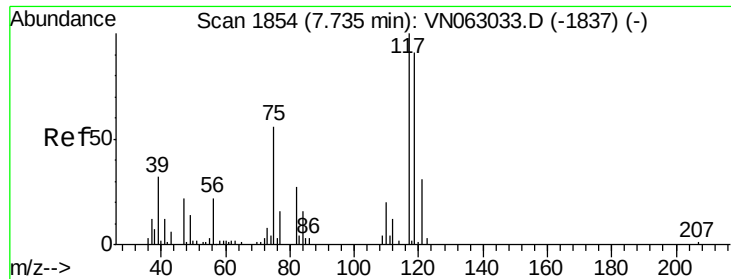
MMDadoda
 8/21/2020 9:21:50 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.999 ug/l
 RT: 7.52 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 97 Resp: 56583
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 44.8 35.3 52.9





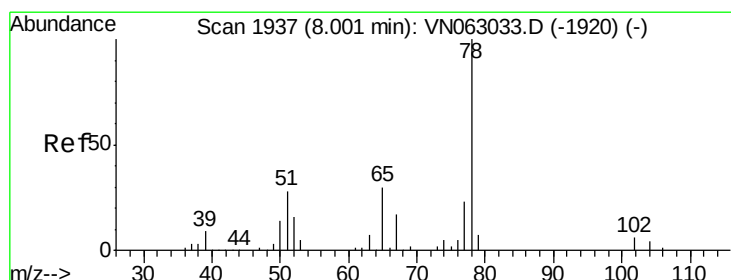
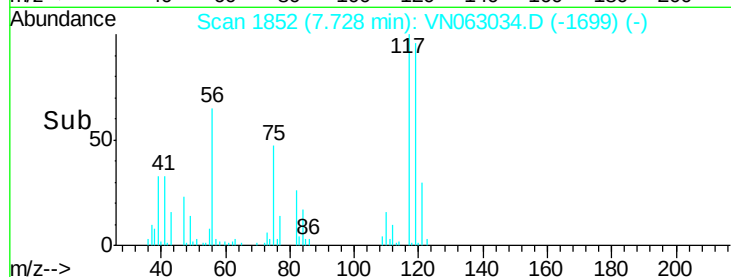
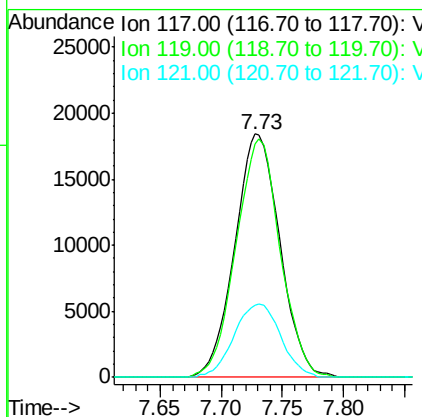
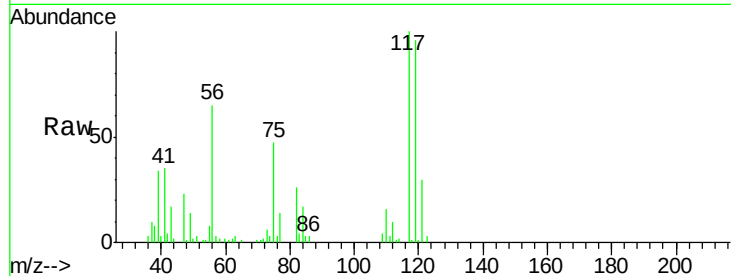
#33
Carbon Tetrachloride
Concen: 20.592 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVFN082020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		47249		
119	95.8	73.0	109.4		
121	29.5	24.9	37.3		

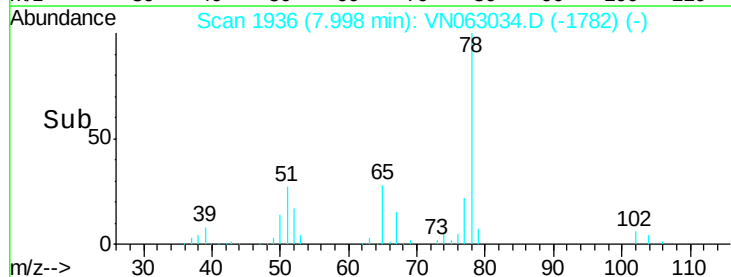
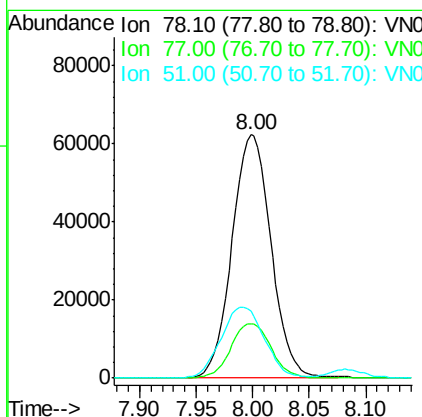
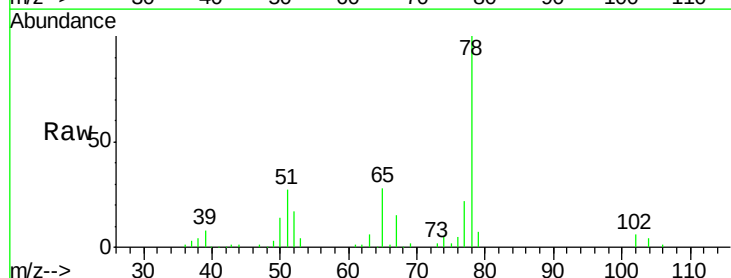
Manual Integrations
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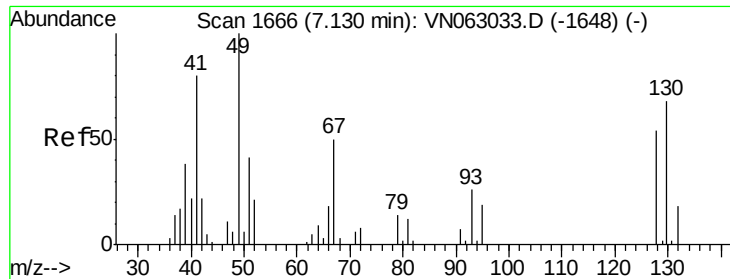
MMDadoda
8/21/2020 9:21:50 AM



#34
Benzene
Concen: 20.918 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		149971		
77	22.4	18.6	27.8		
51	27.0	22.2	33.2		





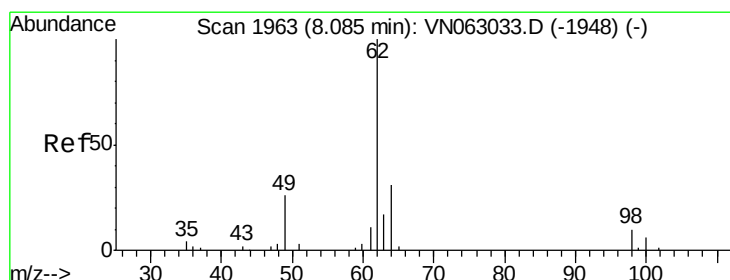
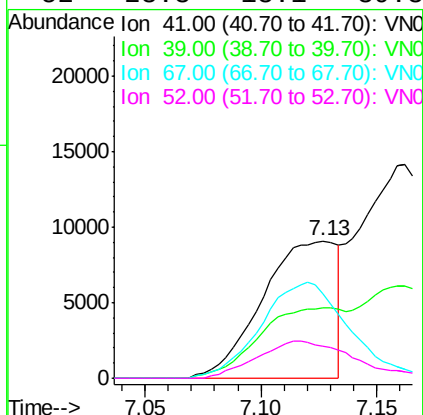
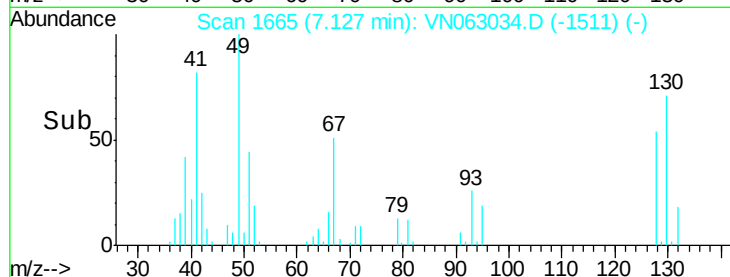
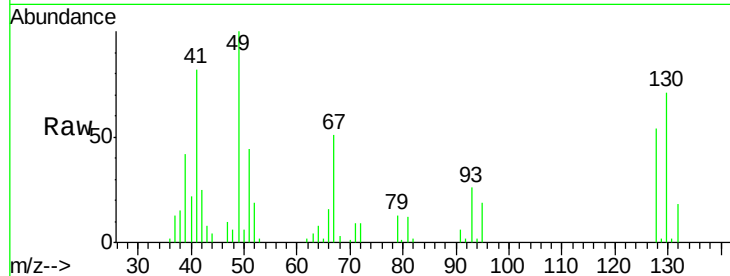
#35
Methacrylonitrile
Concen: 20.561 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	41	Resp	20377
Ion	Ratio	Lower	Upper
41	100		
39	50.9	23.7	71.1
67	61.7	31.6	94.7
52	23.3	13.1	39.3

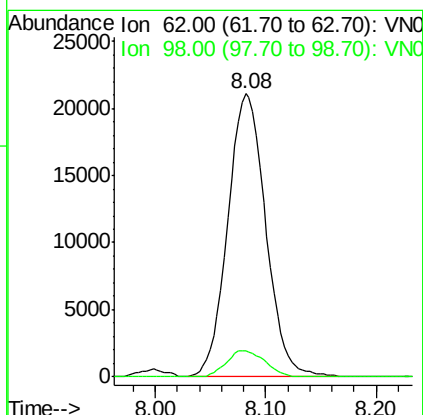
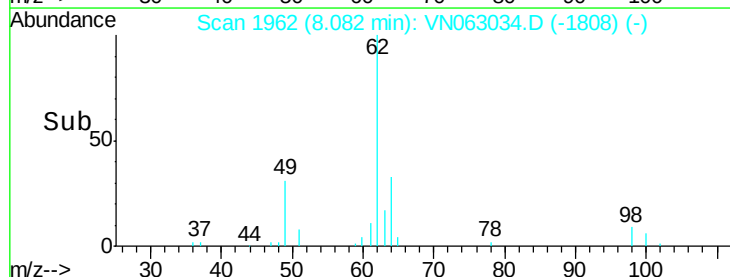
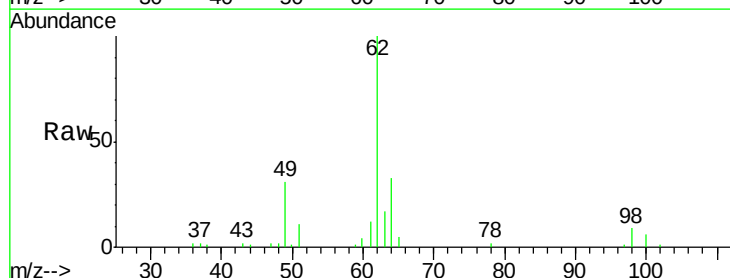
Manual Integrations
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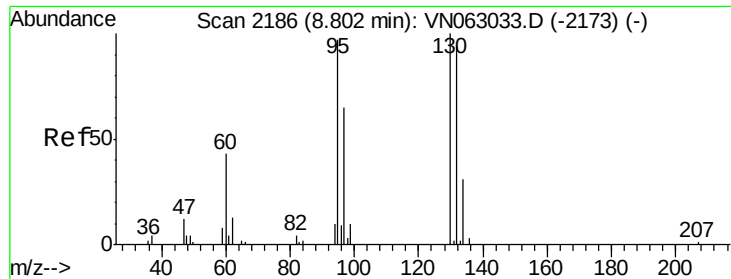
MMDadoda
8/21/2020 9:21:50 AM



#36
1,2-Dichloroethane
Concen: 20.613 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	62	Resp	50417
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.6	11.4





#37

Trichloroethene

Concen: 20.964 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion:130 Resp: 36808

Ion Ratio Lower Upper

130 100

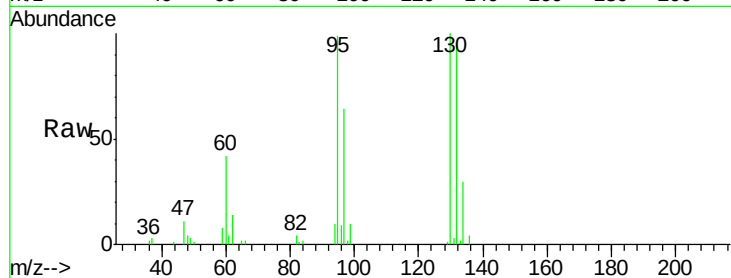
95 98.7 78.9 118.3

Manual Integrations

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MMDadoda

8/21/2020 9:21:50 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

8.80

20000

15000

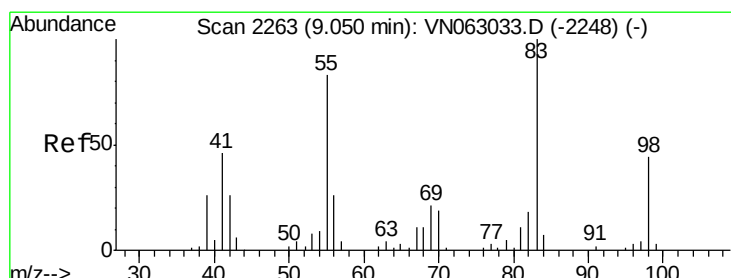
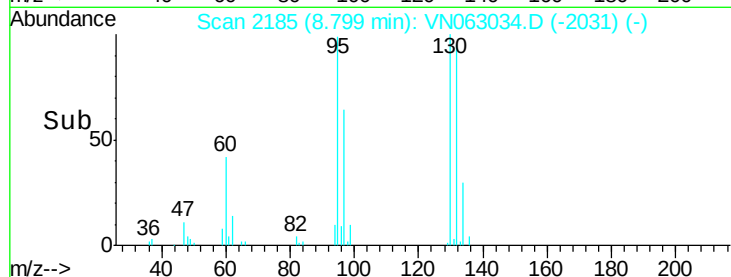
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 20.694 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

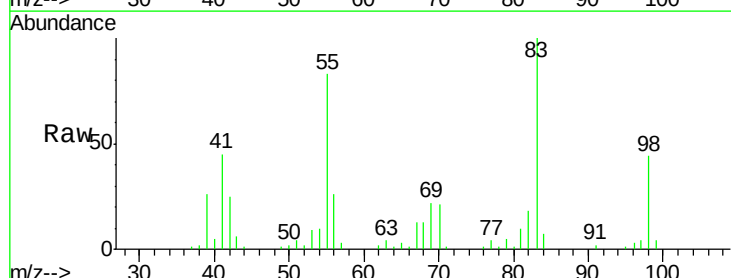
Tgt Ion: 83 Resp: 58069

Ion Ratio Lower Upper

83 100

55 82.1 41.9 125.7

98 44.1 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.05

30000

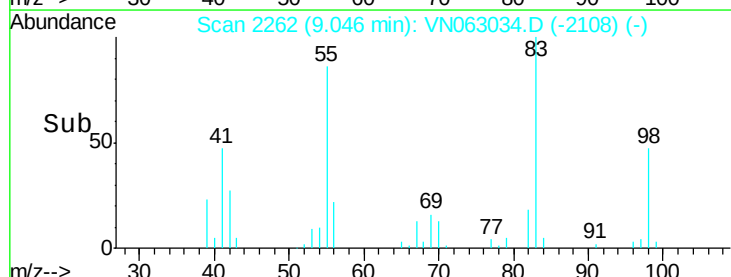
20000

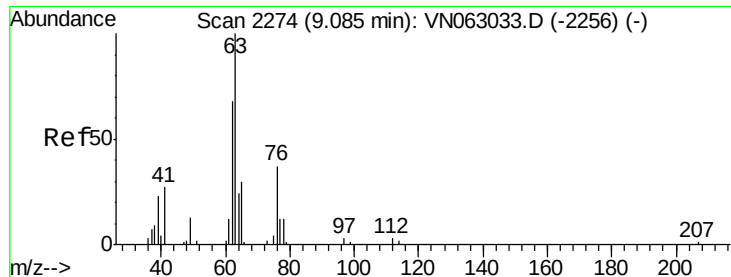
10000

0

8.95 9.00 9.05 9.10

Time-->





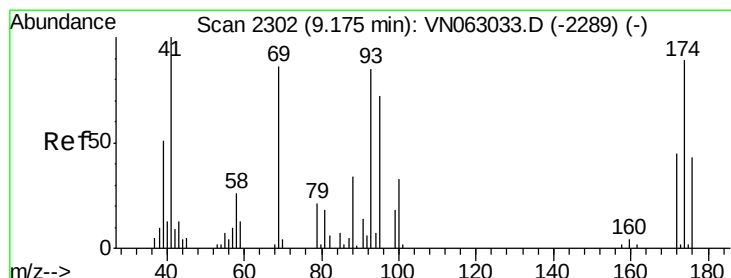
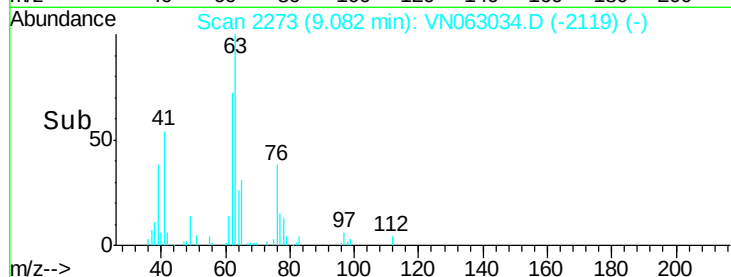
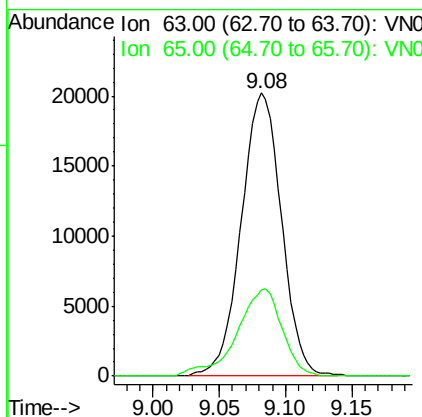
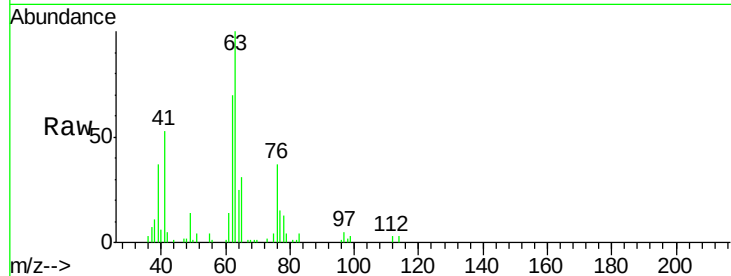
#39
 1,2-Dichloropropane
 Concen: 20.472 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion: 63 Resp: 42717
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.1 37.7

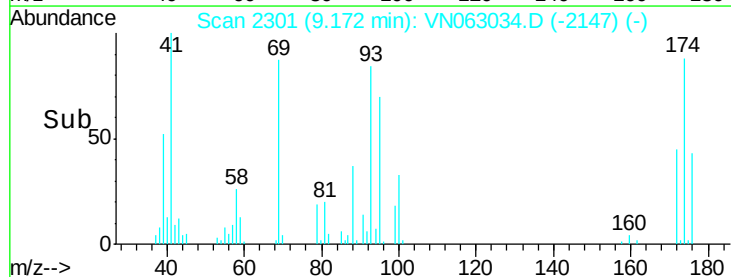
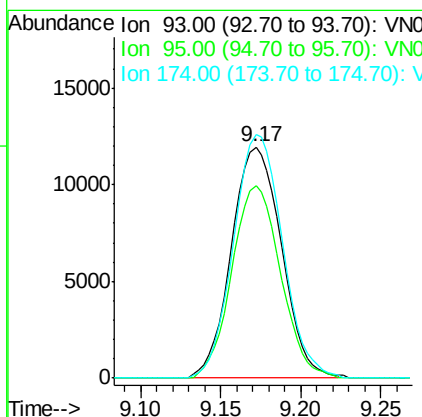
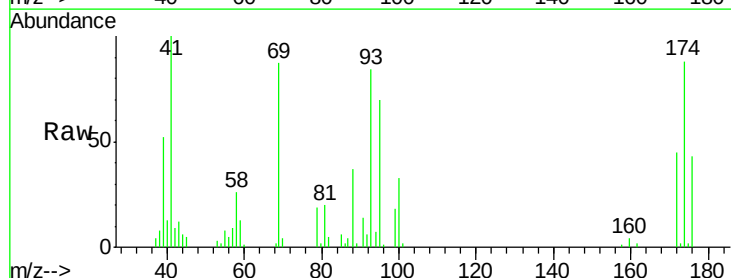
Manual Integrations
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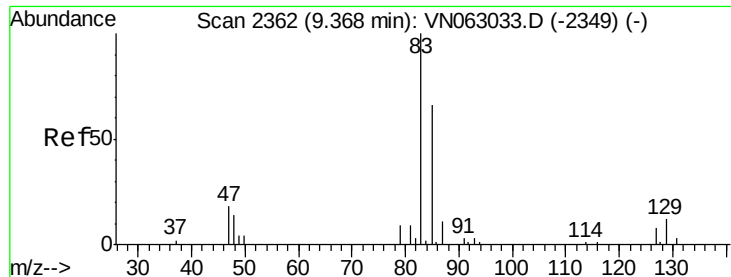
MMDadoda
 8/21/2020 9:21:50 AM



#40
 Dibromomethane
 Concen: 21.115 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 93 Resp: 25580
 Ion Ratio Lower Upper
 93 100
 95 80.7 0.0 168.2
 174 103.4 0.0 208.4





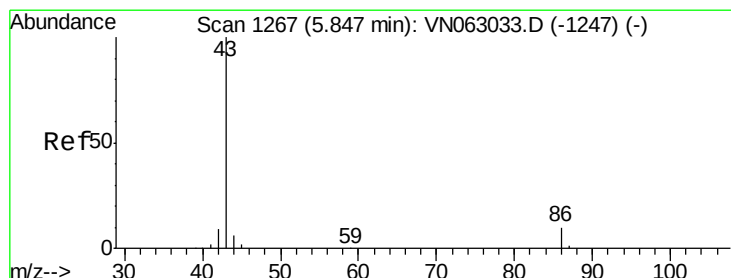
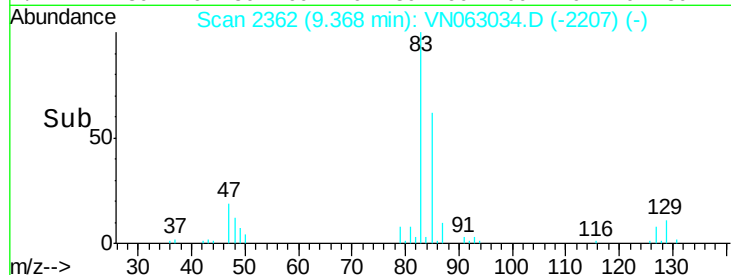
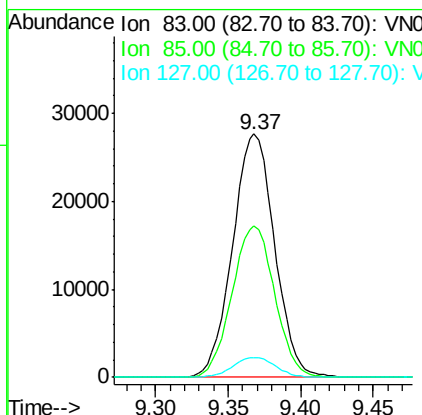
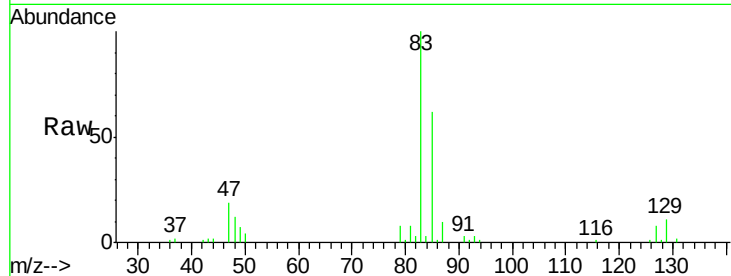
#41
Bromodichloromethane
Concen: 20.755 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	83	Resp	55719
Ion Ratio	100	Lower	Upper
83	100		
85	62.2	52.6	79.0
127	8.0	7.4	11.0

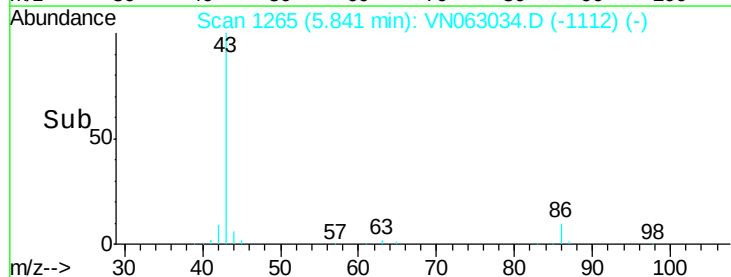
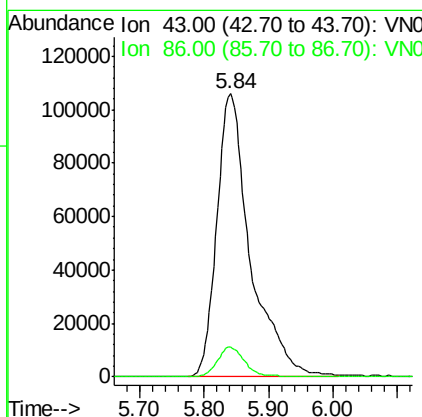
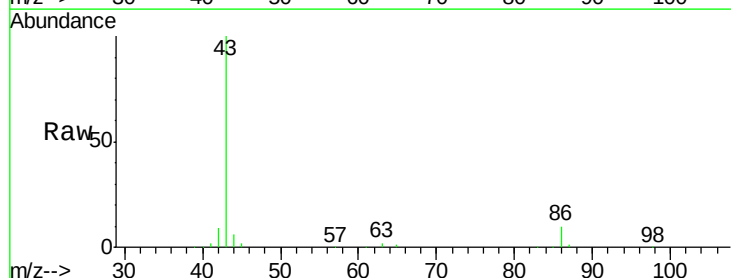
Manual Integrations
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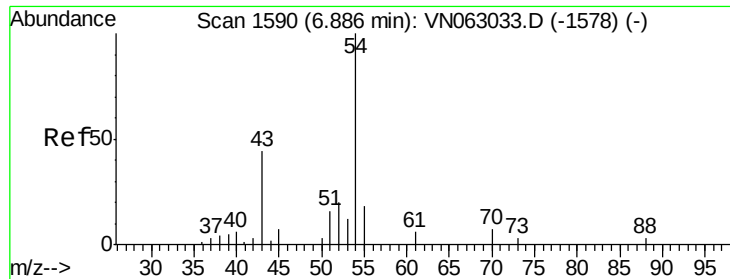
MMDadoda
8/21/2020 9:21:50 AM



#42
Vinyl Acetate
Concen: 97.356 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	43	Resp	384576
Ion Ratio	100	Lower	Upper
43	100		
86	8.4	6.7	10.1





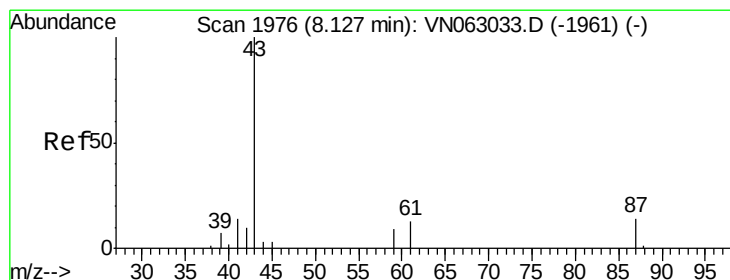
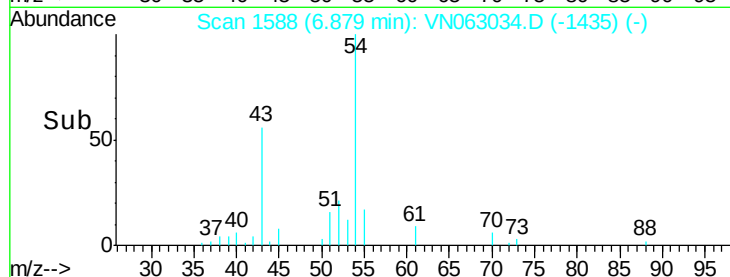
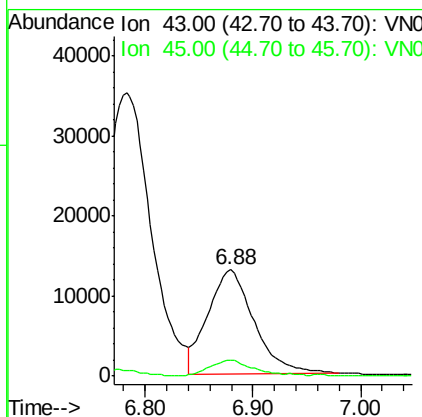
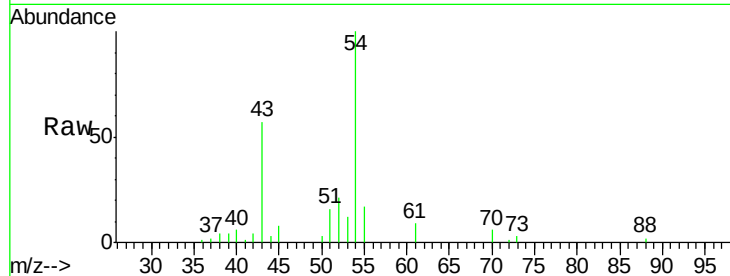
#43
Ethyl Acetate
Concen: 19.441 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion	43	45	Ratio	Lower	Upper
38694	100	14.3		11.3	16.9

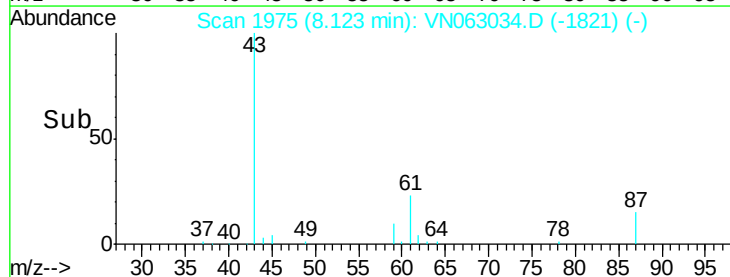
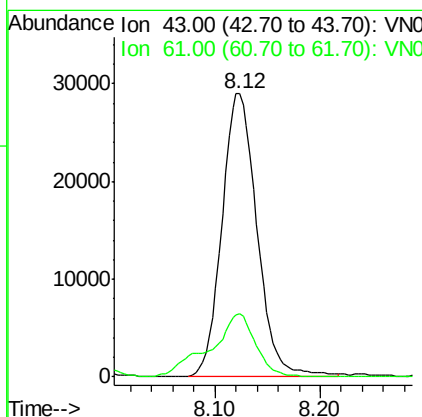
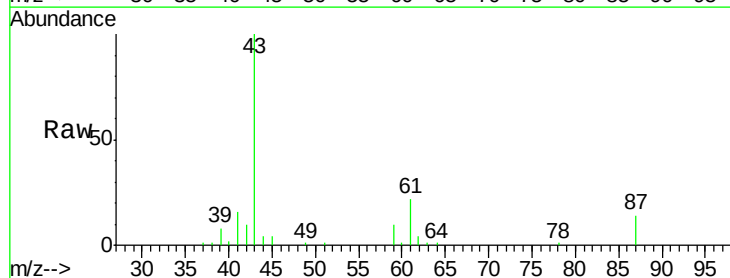
Manual Integrations
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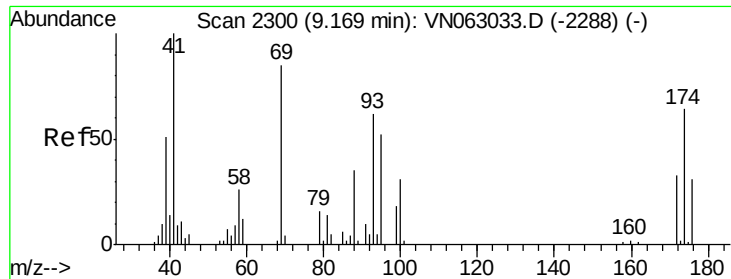
MMDadoda
8/21/2020 9:21:50 AM



#44
Isopropyl Acetate
Concen: 20.018 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	43	61	Ratio	Lower	Upper
66885	100	20.8		17.5	26.3





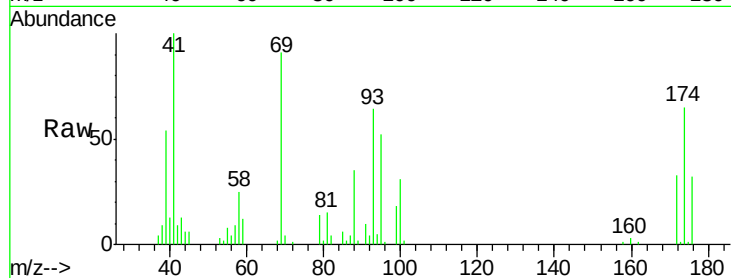
#45
1,4-Dioxane
Concen: 409.704 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

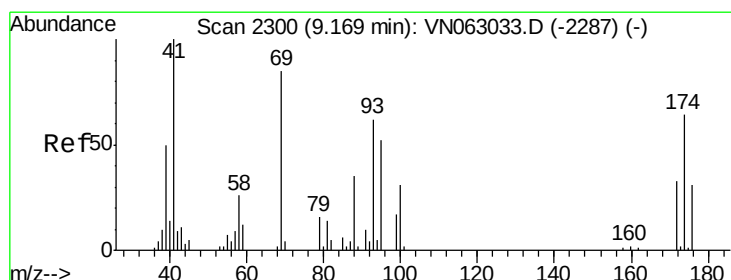
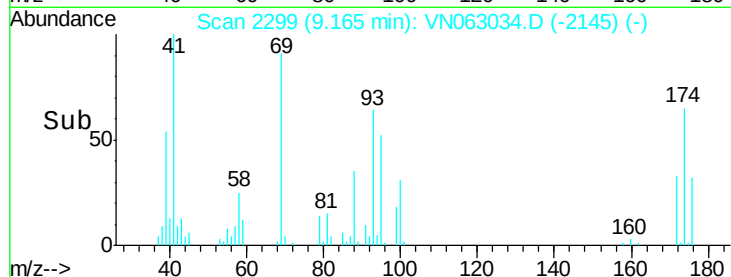
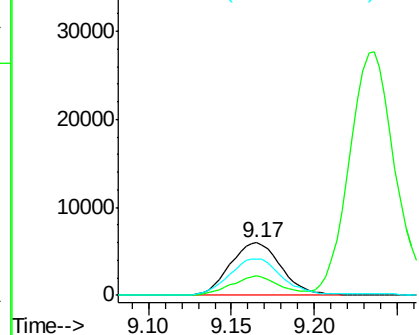
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	28.5	42.7
58	72.0	59.6	89.4

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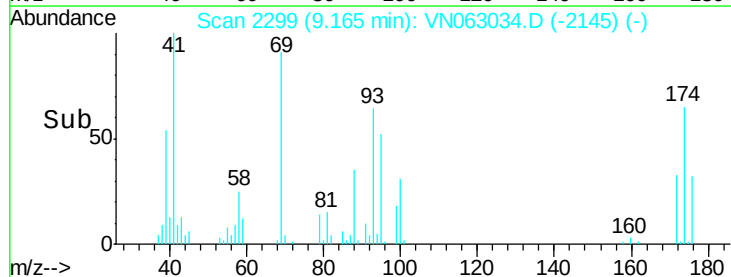
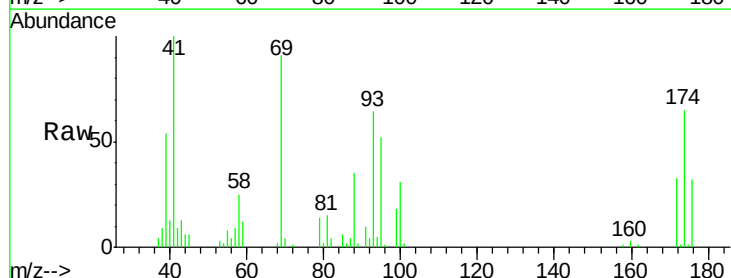
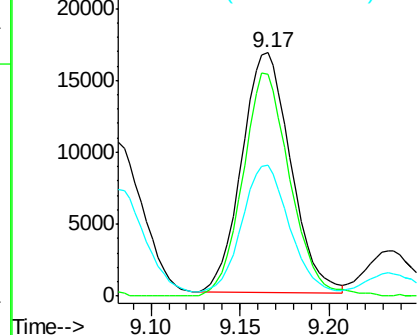
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

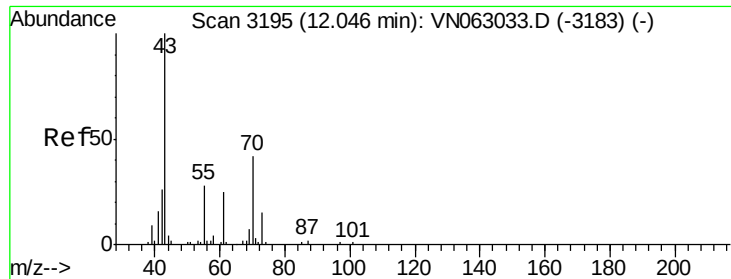


#46
Methyl methacrylate
Concen: 19.488 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.0	42.6	128.0
39	52.8	25.1	75.4

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





#47

n-amyl Acetate

Concen: 18.753 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 43 Resp: 55612

Ion Ratio Lower Upper

43 100

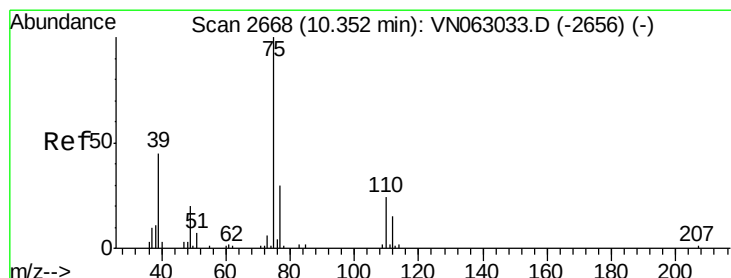
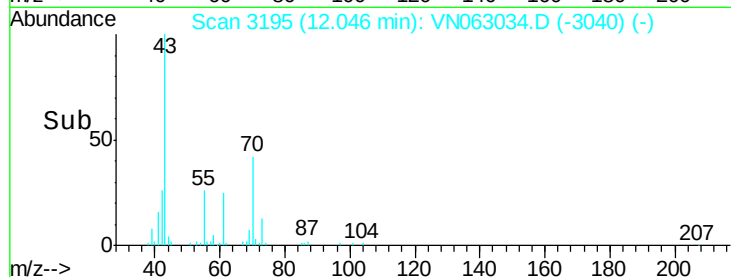
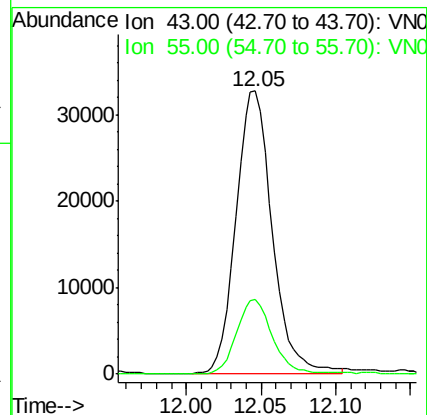
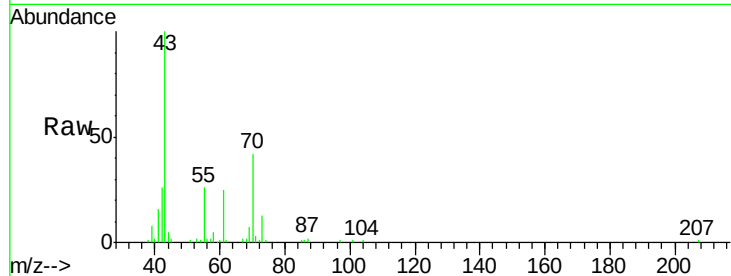
55 25.9 21.2 31.8

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.920 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063034.D

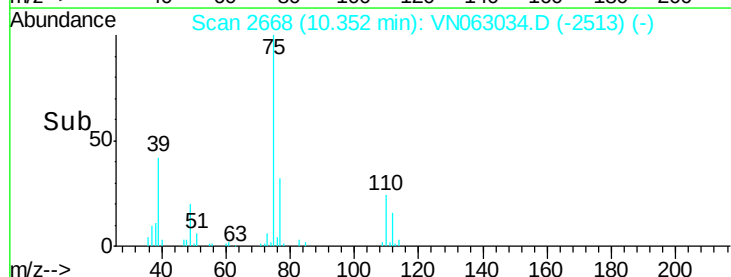
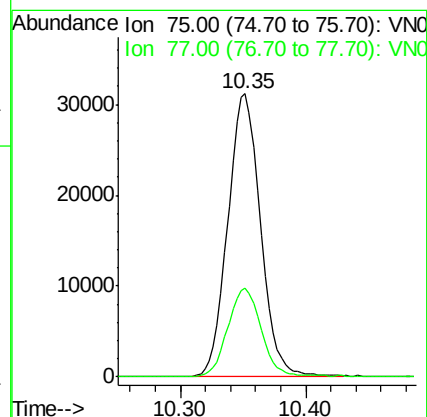
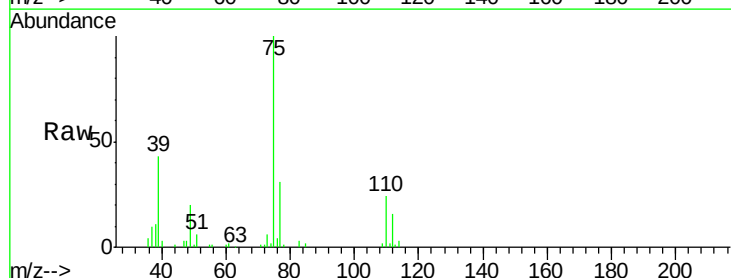
Acq: 20 Aug 2020 13:52

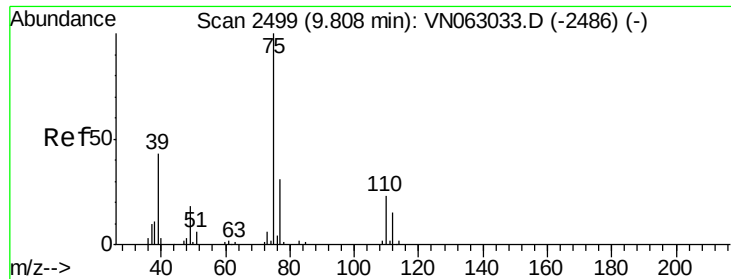
Tgt Ion: 75 Resp: 56481

Ion Ratio Lower Upper

75 100

77 31.3 23.8 35.8





#49

cis-1,3-Dichloropropene

Concen: 20.656 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

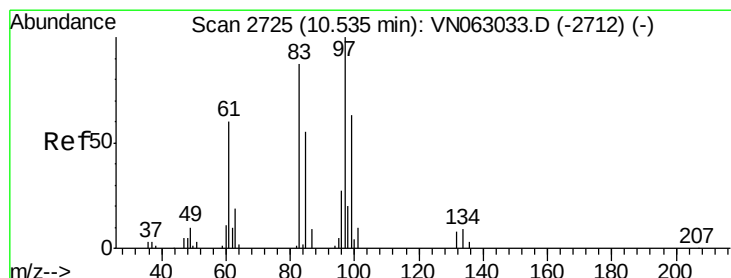
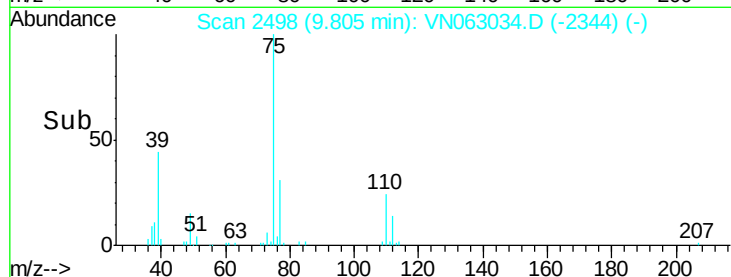
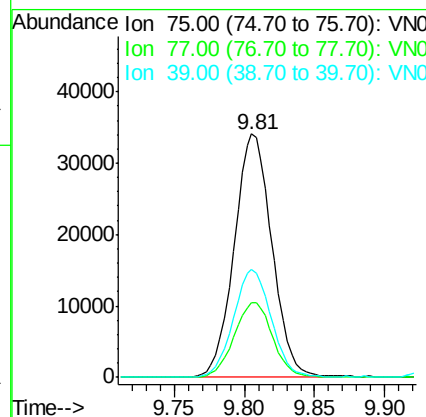
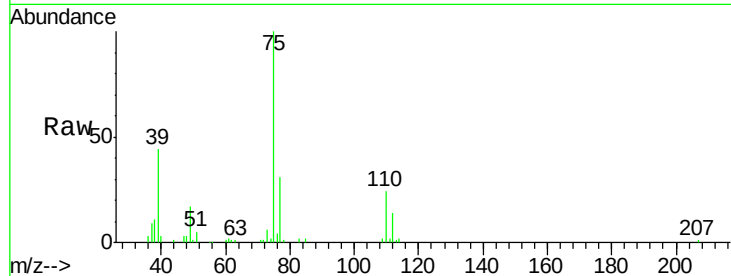
ClientSampleId :

ICVVN082020

Tot Ion:	75	Resp:	63748
Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
39	44.1	34.5	51.7

Manual Integrations
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8/21/2020 9:21:50 AM



#50

1,1,2-Trichloroethane

Concen: 20.199 ug/l

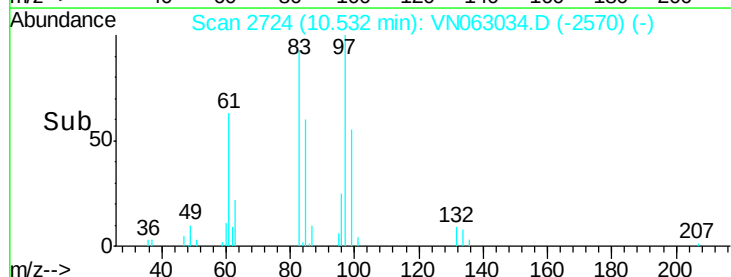
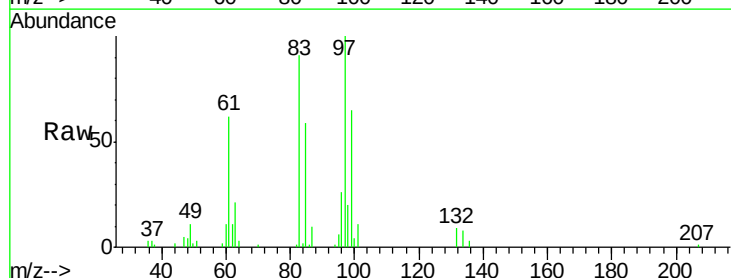
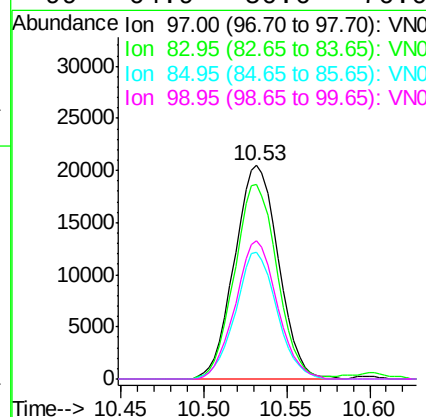
RT: 10.53 min Scan# 2724

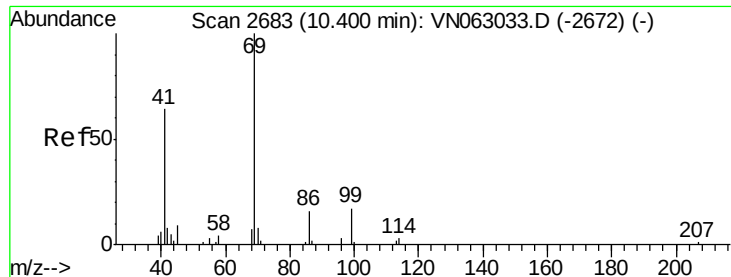
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	97	Resp:	37730
Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.9	104.9
85	59.4	44.0	66.0
99	64.9	50.6	76.0





#51

Ethyl methacrylate

Concen: 19.173 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

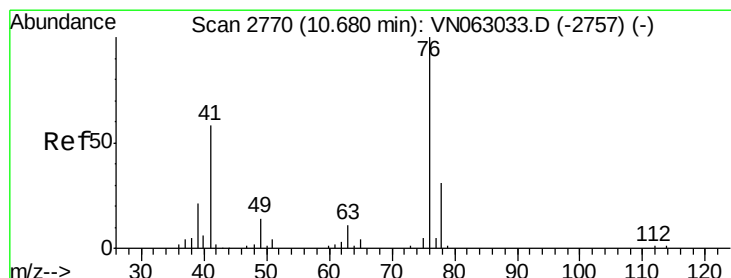
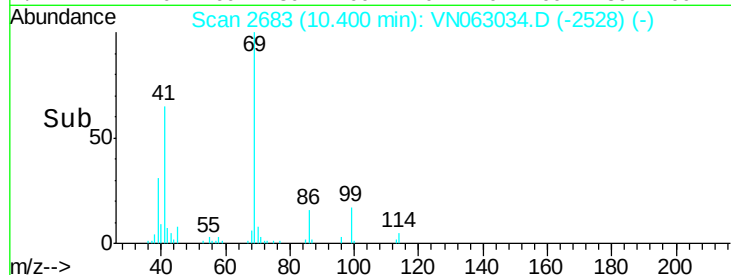
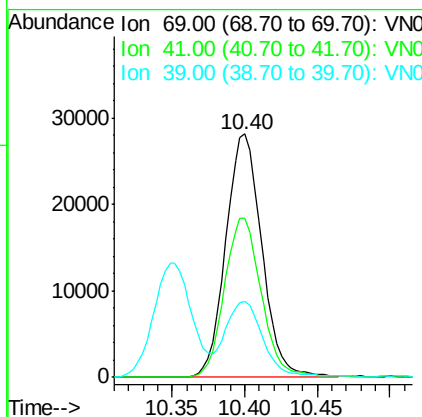
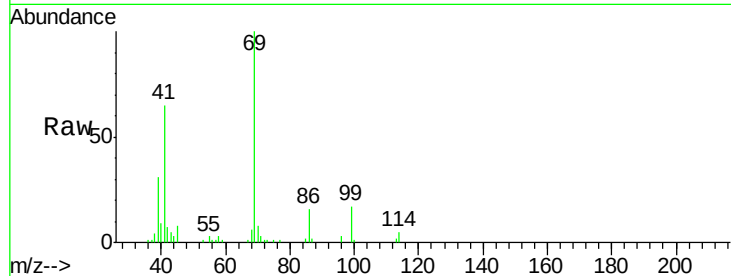
ClientSampleId :

ICVVN082020

Tot Ion:	69	Resp:	48725
Ion	Ratio	Lower	Upper
69	100		
41	65.1	32.1	96.5
39	30.2	16.1	48.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.399 ug/l

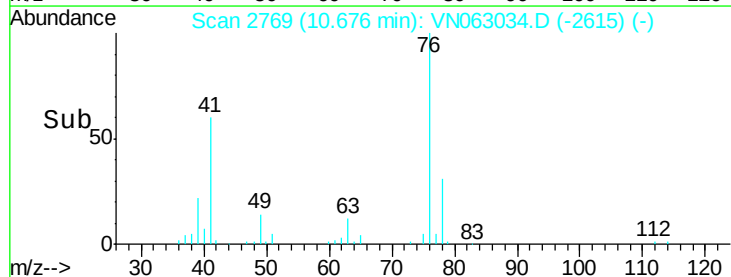
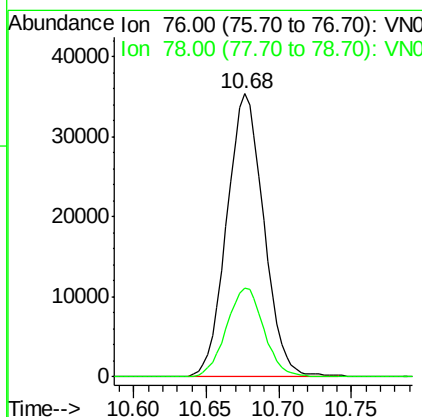
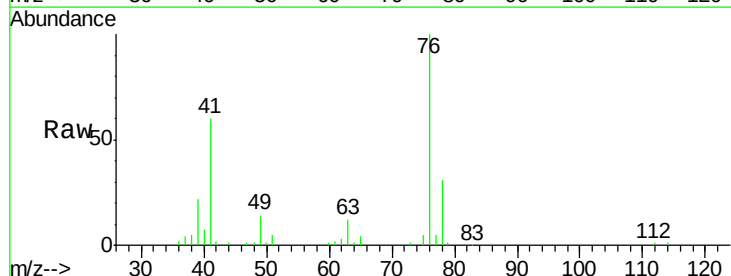
RT: 10.68 min Scan# 2769

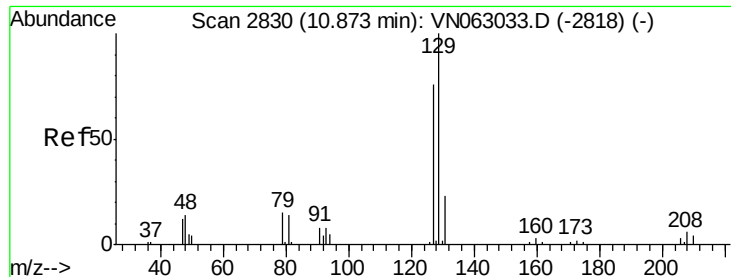
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	76	Resp:	62953
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.2





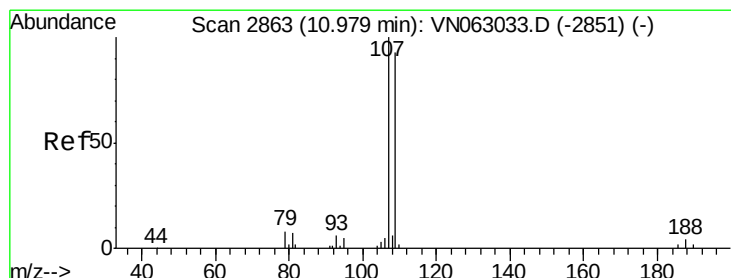
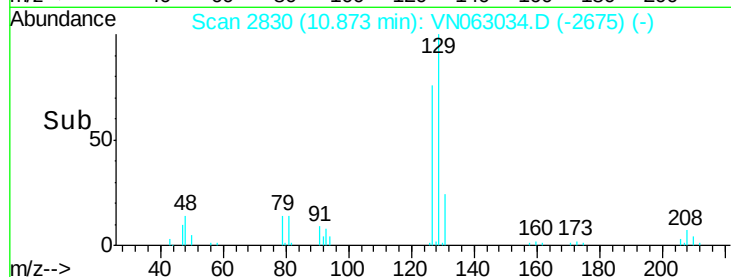
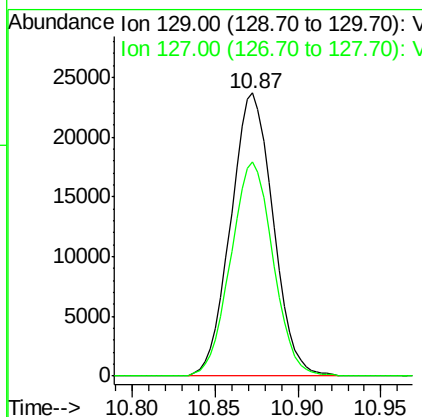
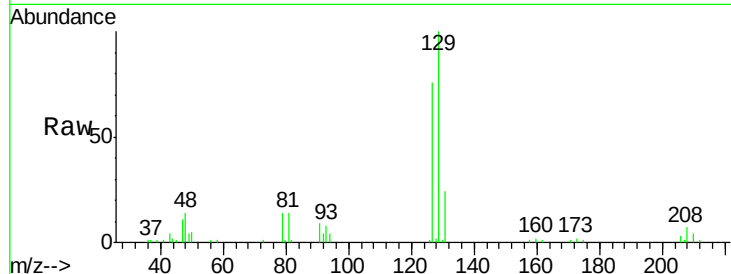
#53
Dibromochloromethane
Concen: 20.540 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVFN082020

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.7	116.1

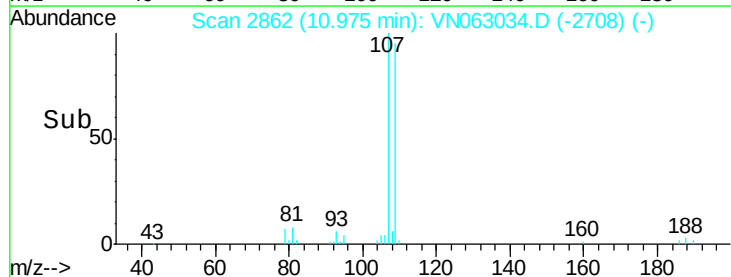
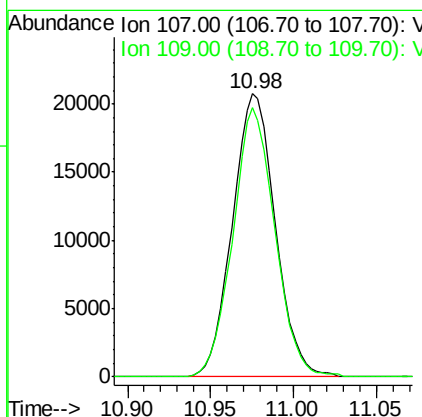
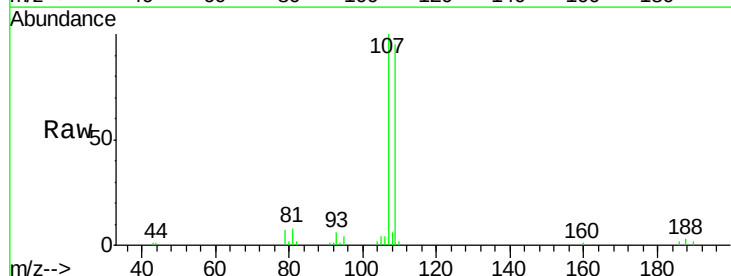
Manual Integrations
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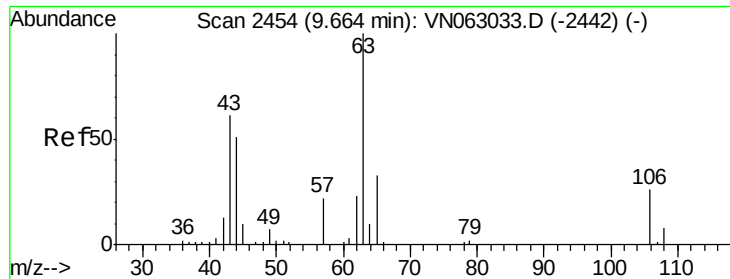
MMDadoda
8/21/2020 9:21:50 AM



#54
1,2-Dibromoethane
Concen: 20.800 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.3	114.5





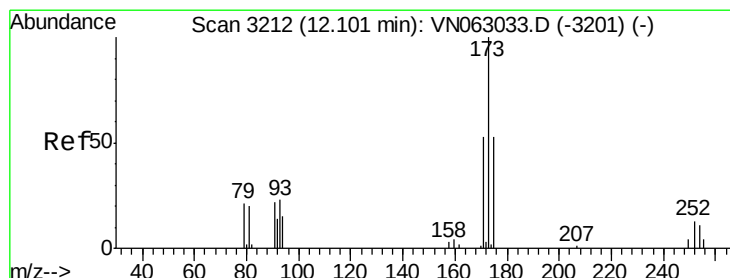
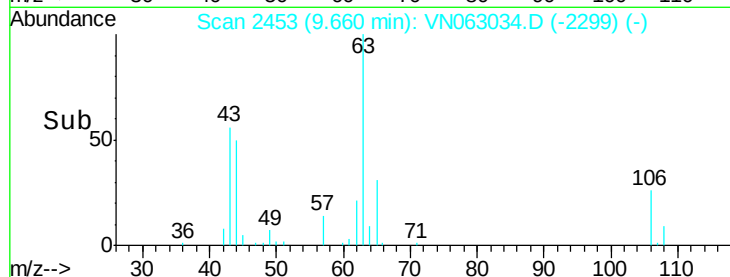
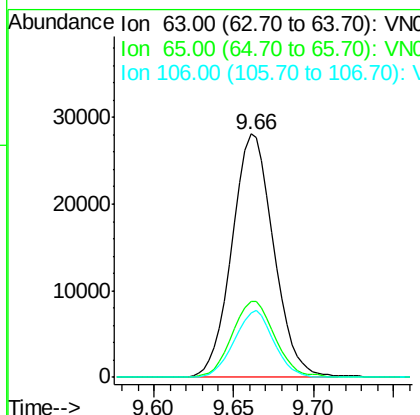
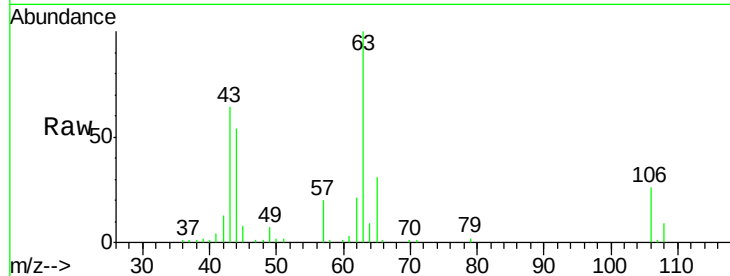
#55
2-Chloroethyl vinyl ether
Concen: 95.542 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion:	63	Resp:	49874
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9
106	25.8	19.9	29.9

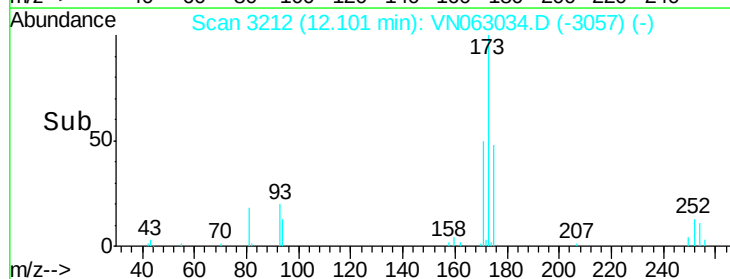
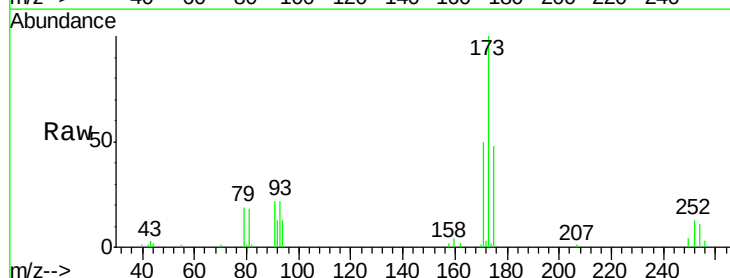
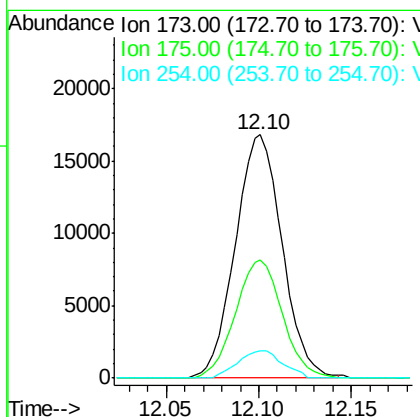
Manual Integrations
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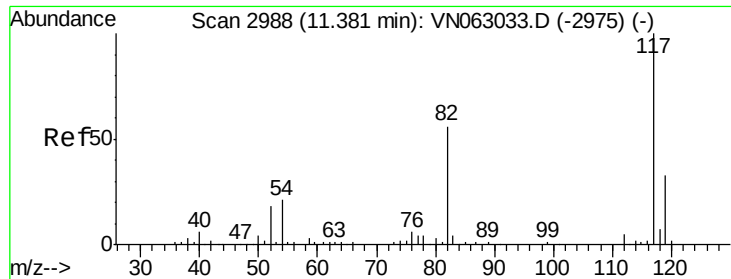
MMDadoda
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#56
Bromoform
Concen: 19.702 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion:	173	Resp:	29573
Ion	Ratio	Lower	Upper
173	100		
175	48.7	41.2	61.8
254	10.7	9.0	13.4





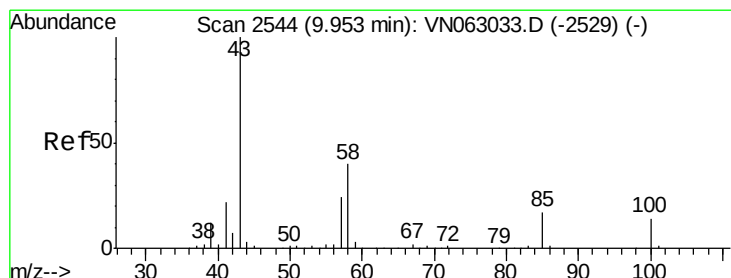
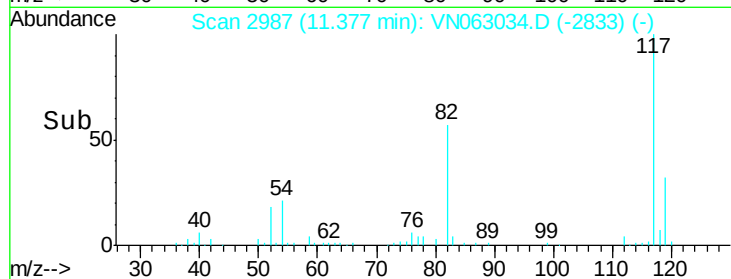
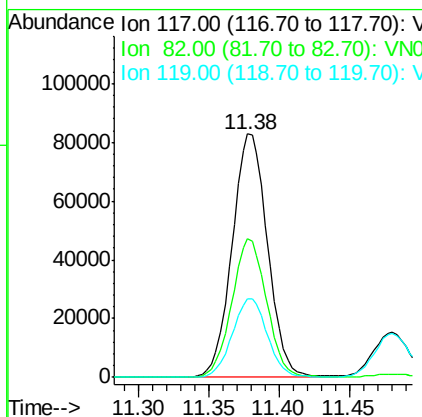
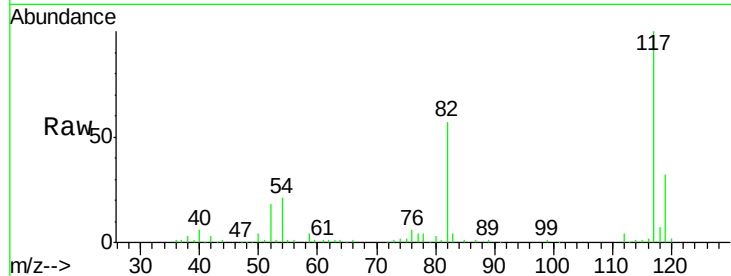
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.9	67.3
119	32.0	26.0	39.0

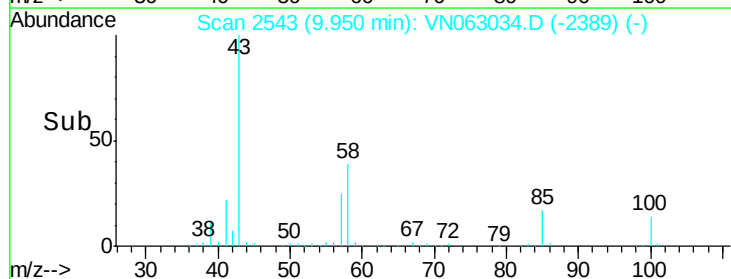
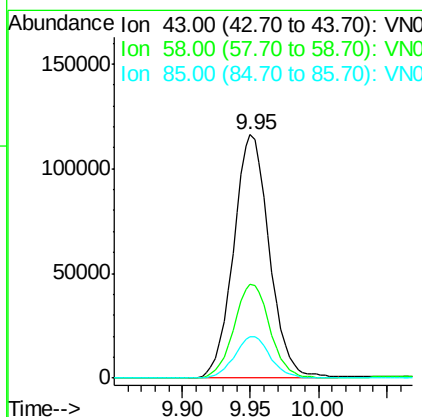
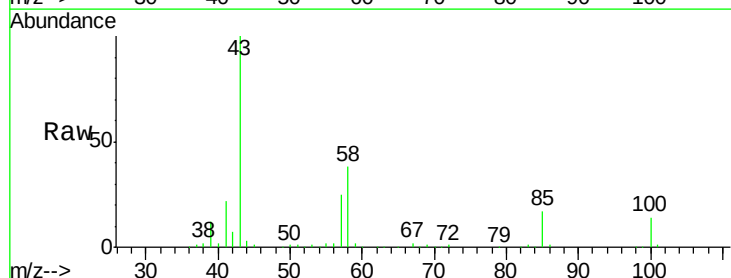
Manual Integrations
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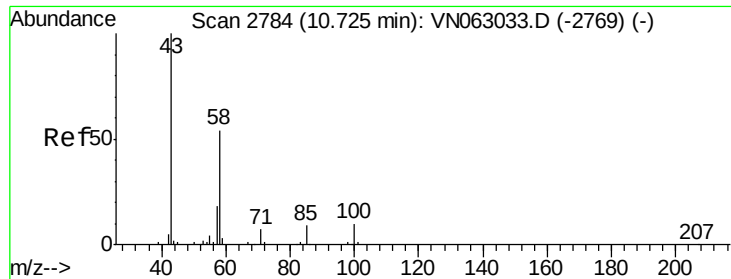
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 101.000 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.4	47.0
85	16.9	13.4	20.2





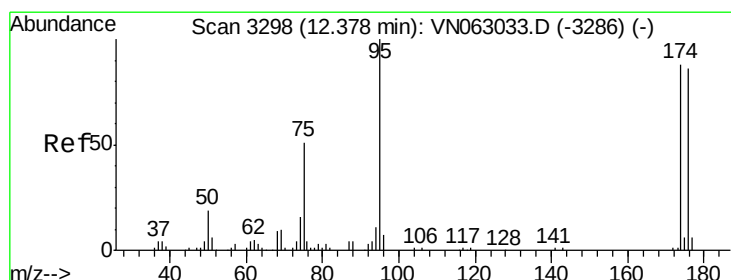
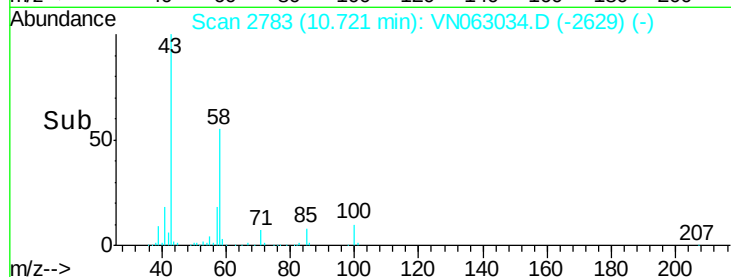
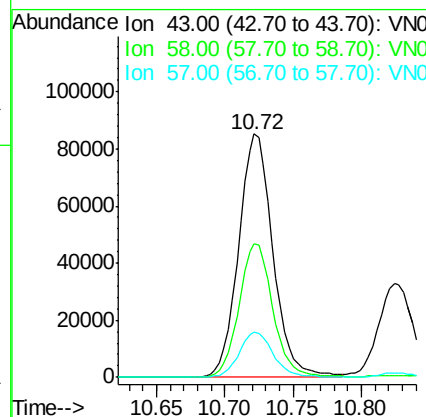
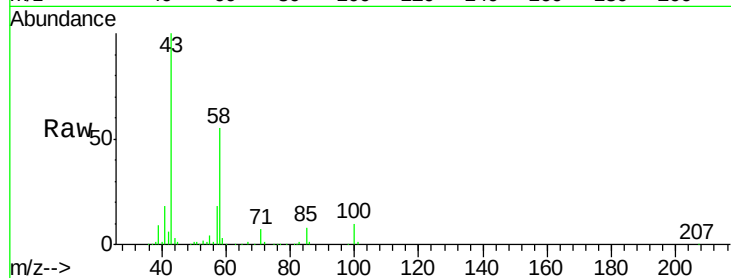
#59
2-Hexanone
Concen: 99.861 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	42.6	64.0
57	18.6	14.6	21.8

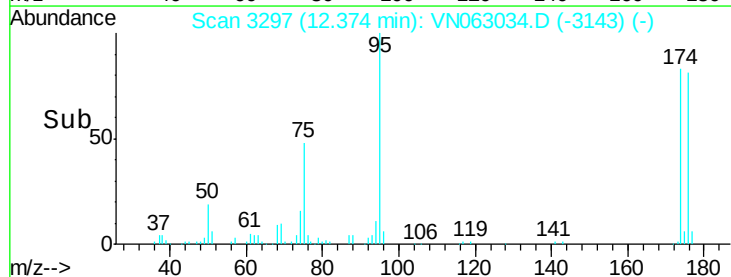
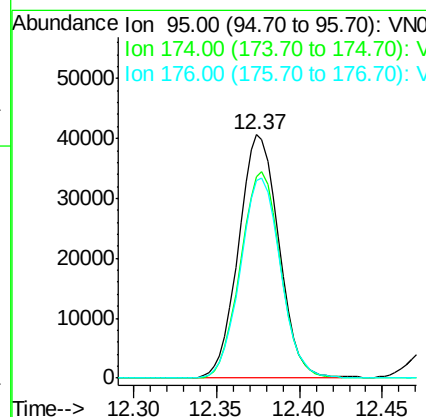
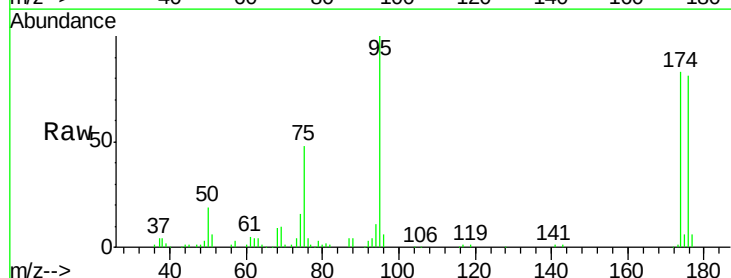
Manual Integrations
APPROVED

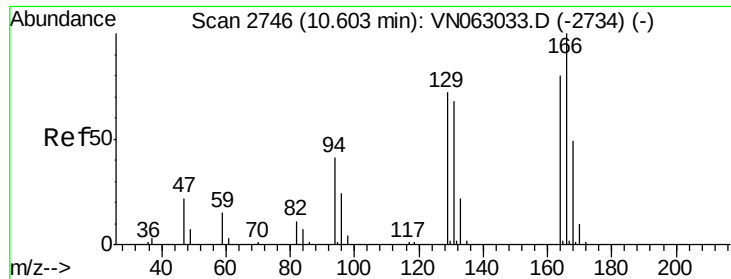
MMDadoda
8/21/2020 9:21:50 AM



#60
4-Bromofluorobenzene
Concen: 29.936 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	70.1	105.1
176	82.0	66.8	100.2





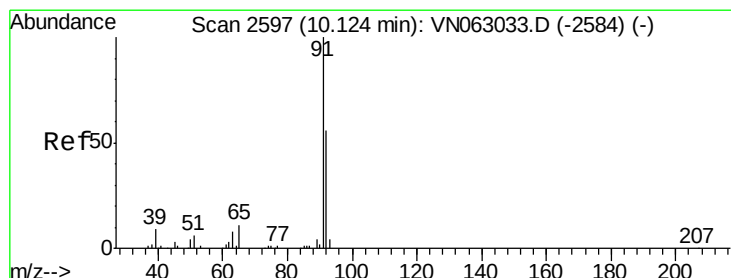
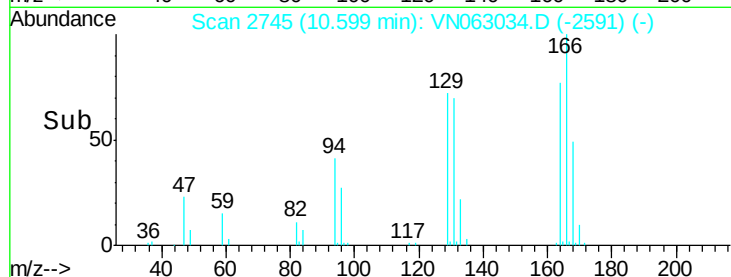
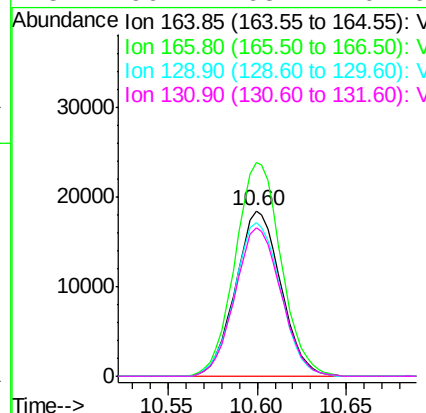
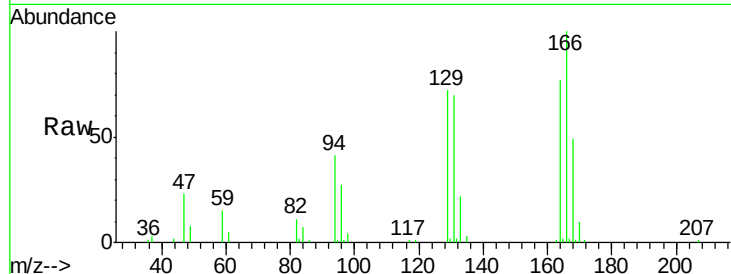
#61
Tetrachloroethene
Concen: 20.520 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.1	150.1
129	92.8	72.5	108.7
131	90.2	68.4	102.6

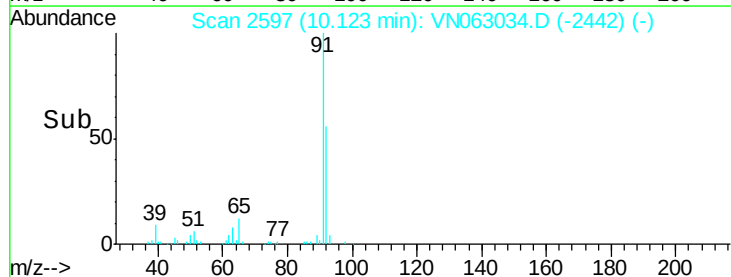
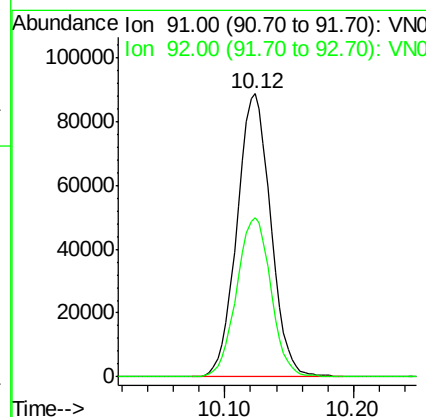
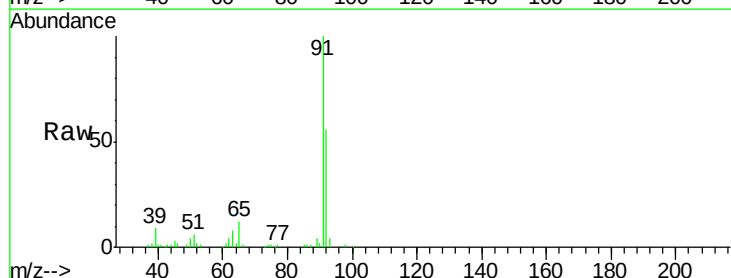
Manual Integrations
APPROVED

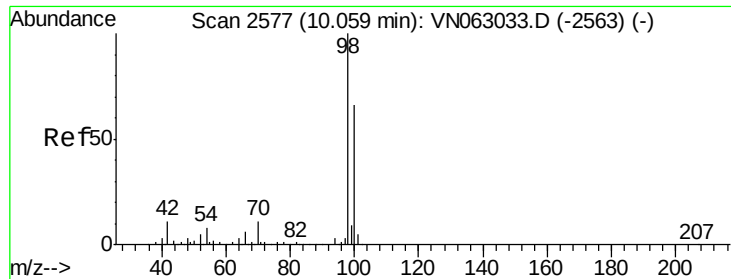
MMDadoda
8/21/2020 9:21:50 AM



#62
Toluene
Concen: 20.917 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.5	68.3





#63

Toluene-d8

Concen: 30.219 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 98 Resp: 201982

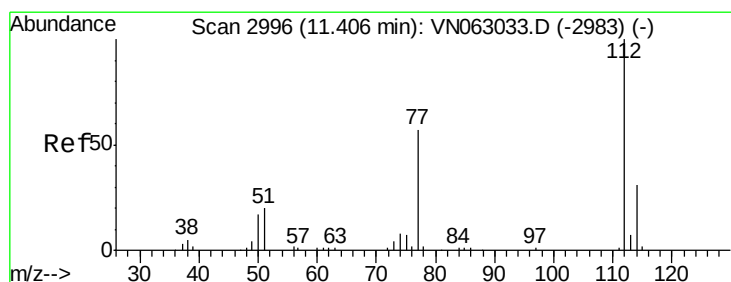
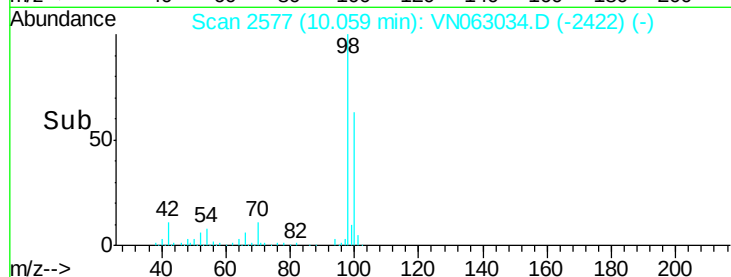
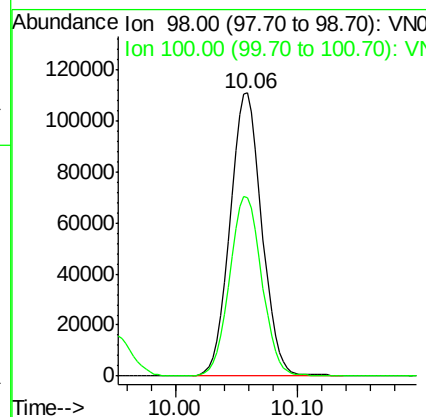
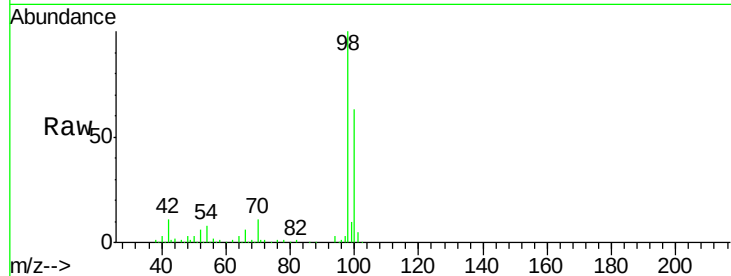
Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2

Manual Integrations
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#64

Chlorobenzene

Concen: 20.980 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN063034.D

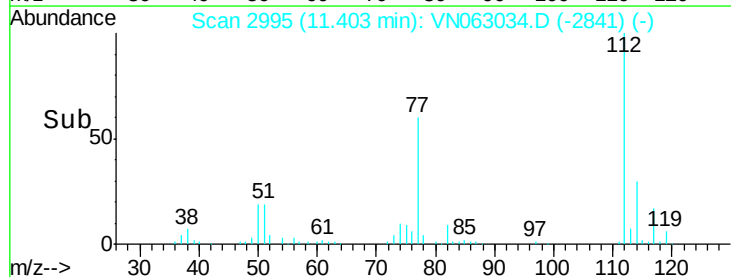
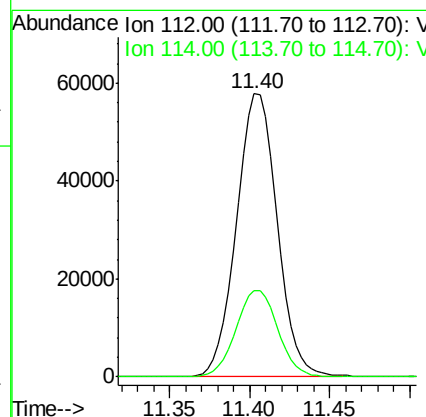
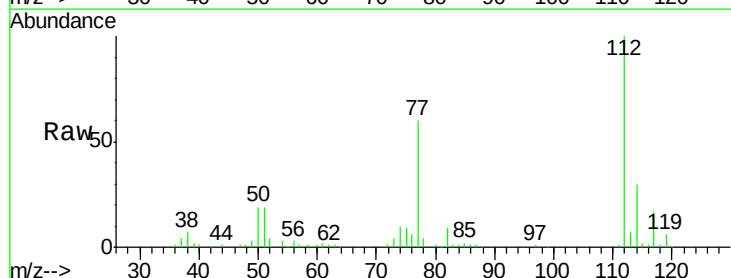
Acq: 20 Aug 2020 13:52

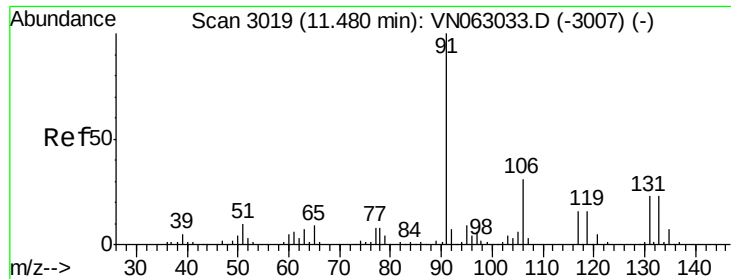
Tgt Ion: 112 Resp: 100205

Ion Ratio Lower Upper

112 100

114 30.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.513 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

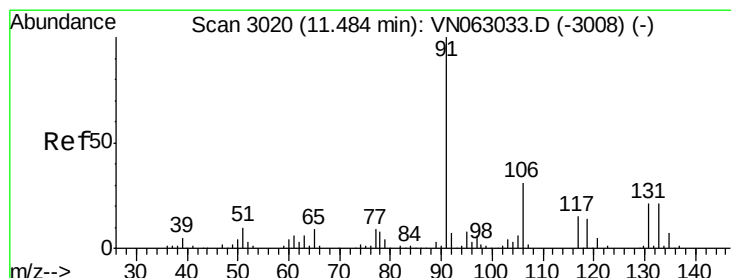
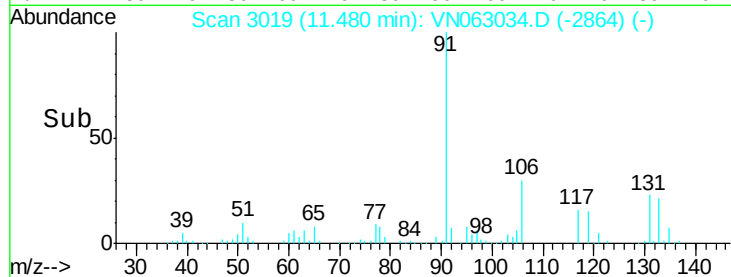
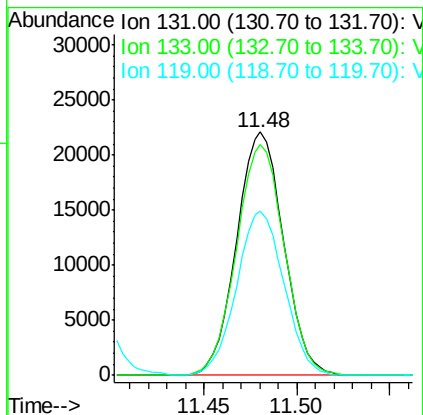
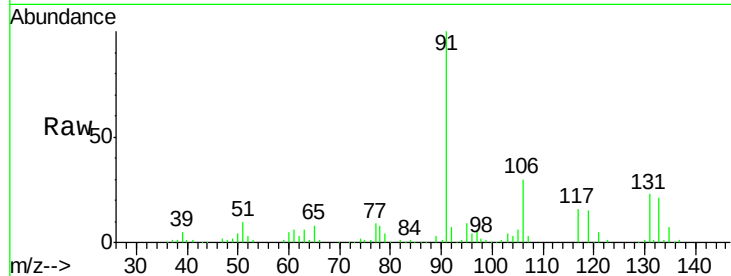
ClientSampled :

ICV082020

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	0.0	191.2
119	67.9	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.392 ug/l

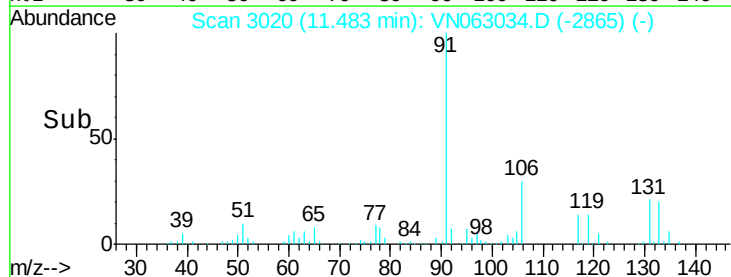
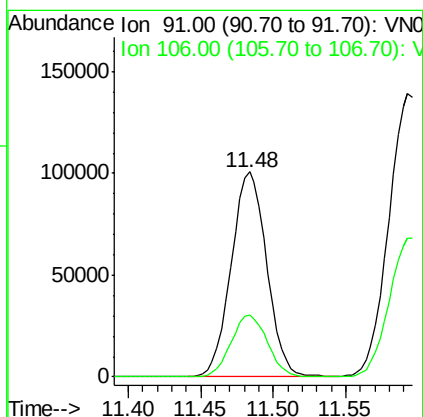
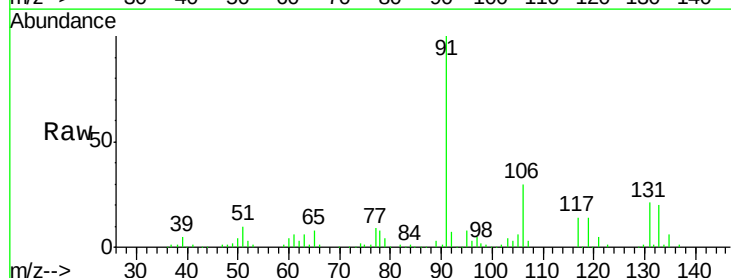
RT: 11.48 min Scan# 3020

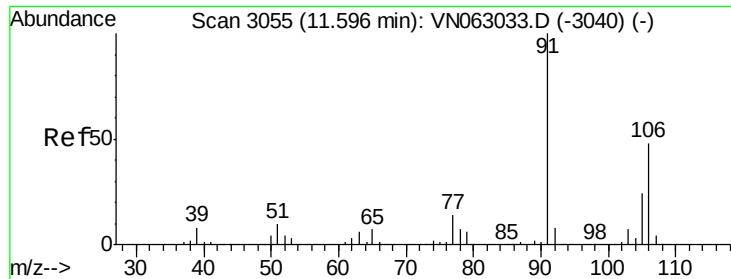
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.0	37.4





#67

m/p-Xylenes

Concen: 42.108 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion:106 Resp: 132727

Ion Ratio Lower Upper

106 100

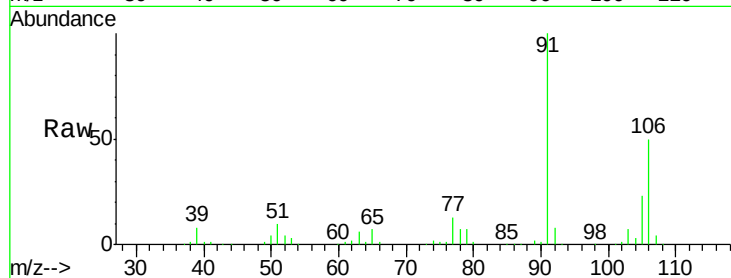
91 203.9 164.9 247.3

Manual Integrations

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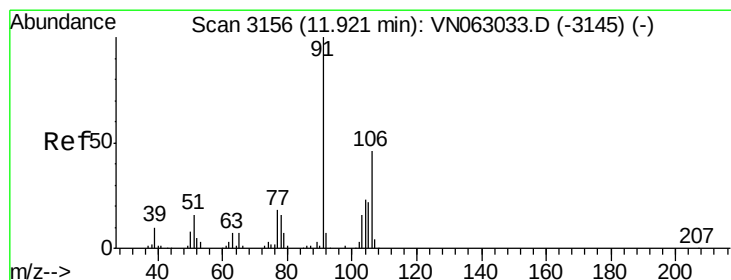
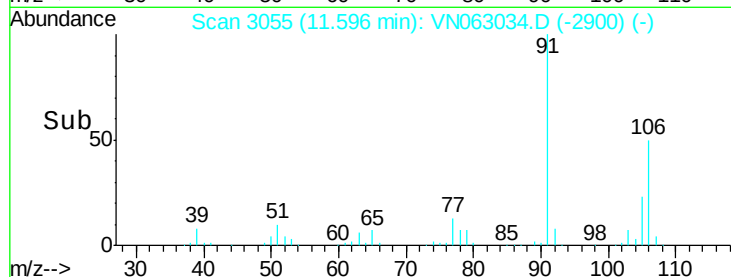
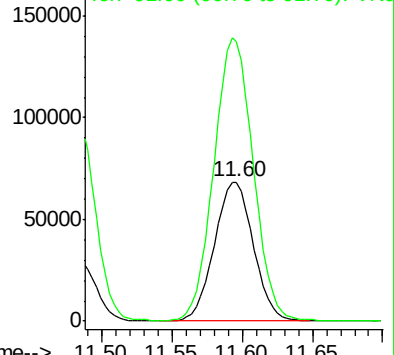
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.248 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN063034.D

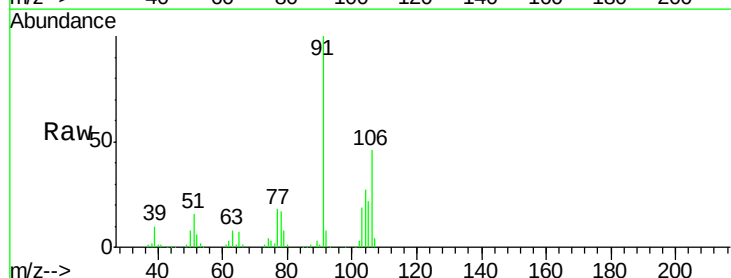
Acq: 20 Aug 2020 13:52

Tgt Ion:106 Resp: 61308

Ion Ratio Lower Upper

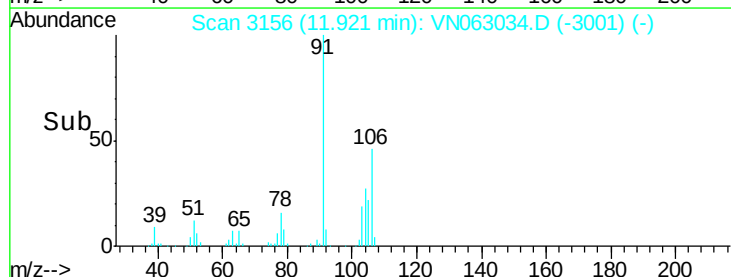
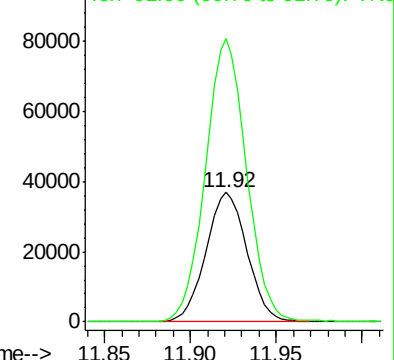
106 100

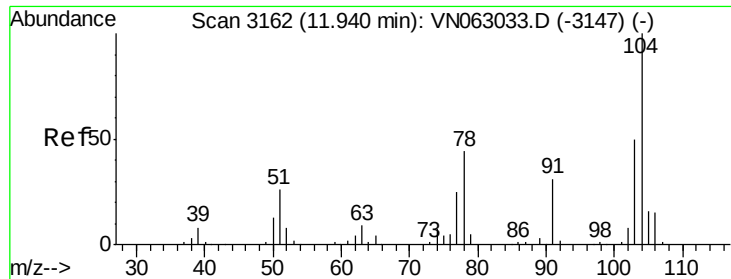
91 218.1 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





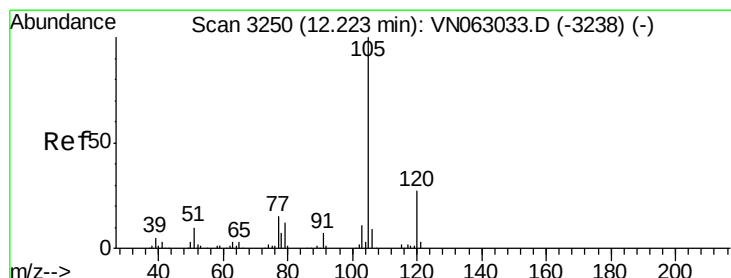
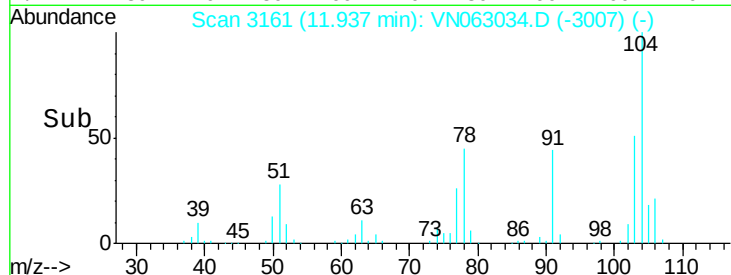
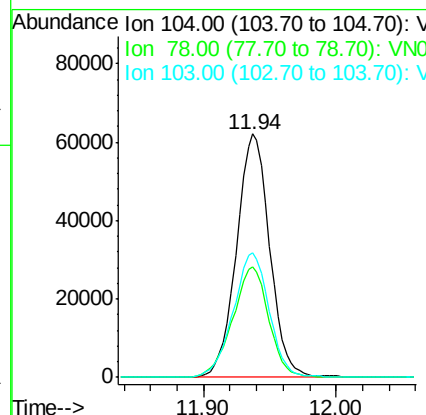
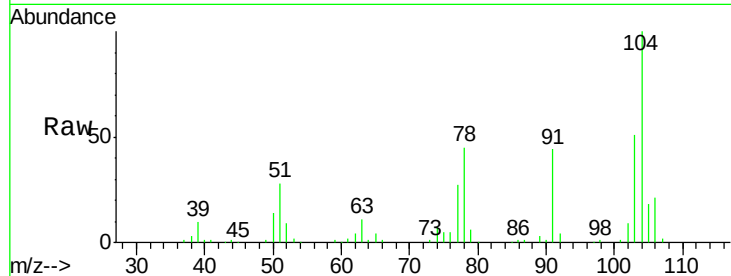
#69
Stvrene
Concen: 20.422 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.6	59.4
103	55.4	44.4	66.6

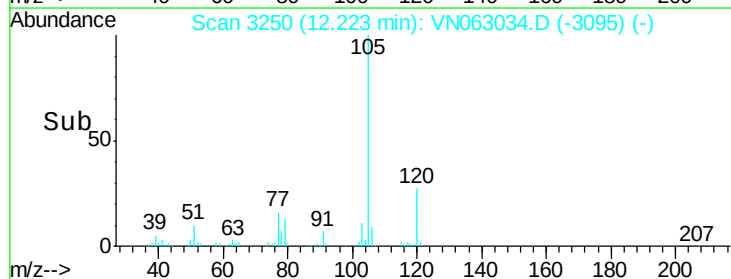
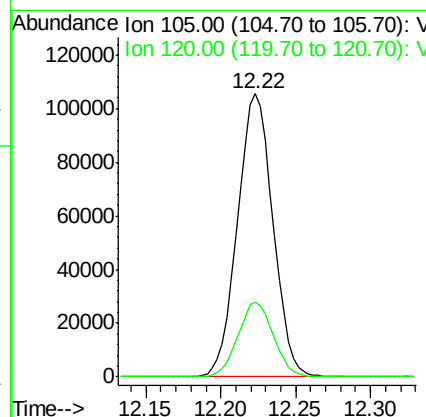
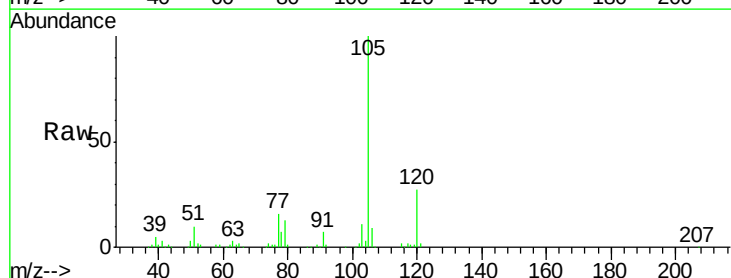
Manual Integrations
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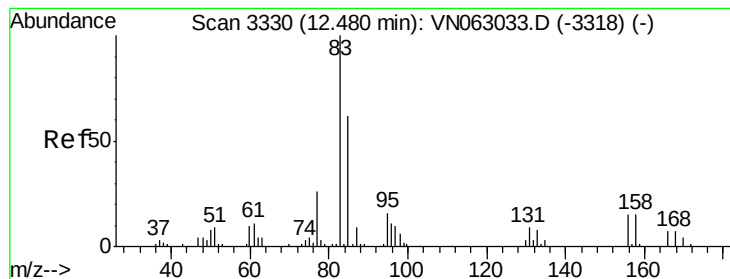
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#70
Isopropylbenzene
Concen: 21.142 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.5	34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 20.460 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

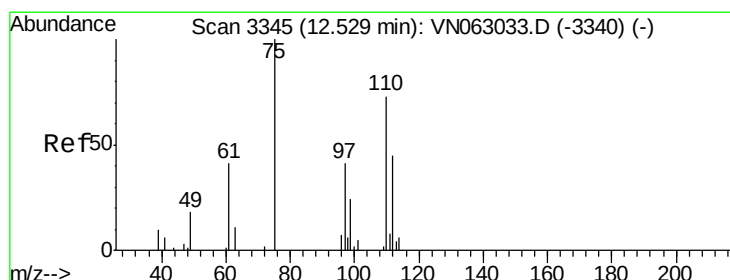
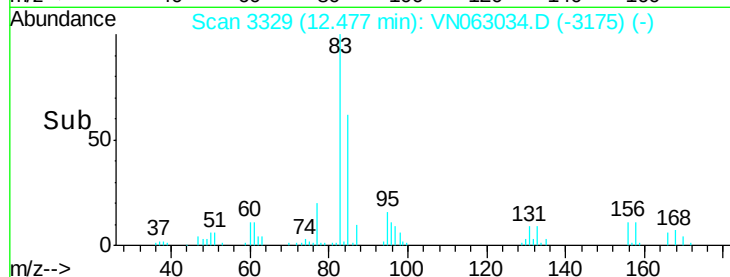
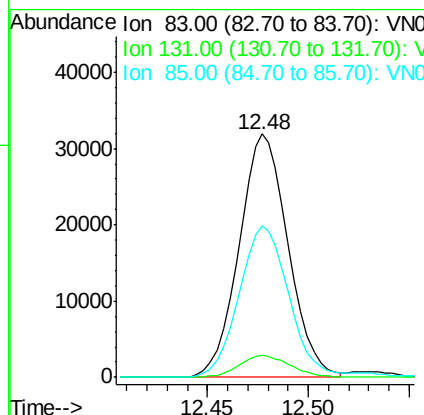
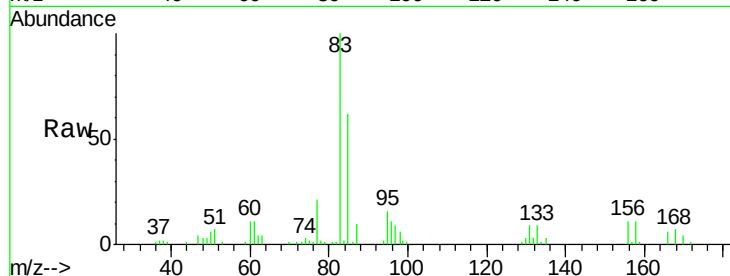
ClientSampleId :

ICVVN082020

Tot Ion:	83	Resp:	54043
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	63.5	31.8	95.3

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#72

1,2,3-Trichloropropane

Concen: 18.567 ug/l m

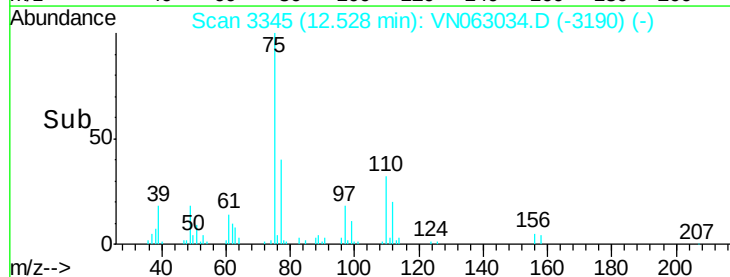
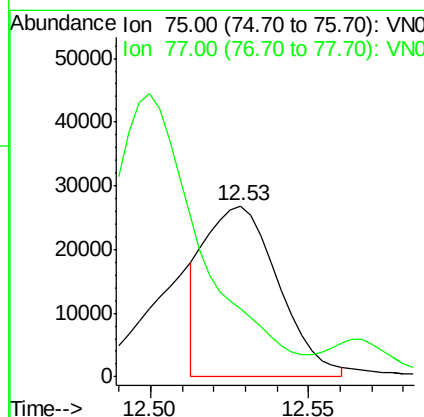
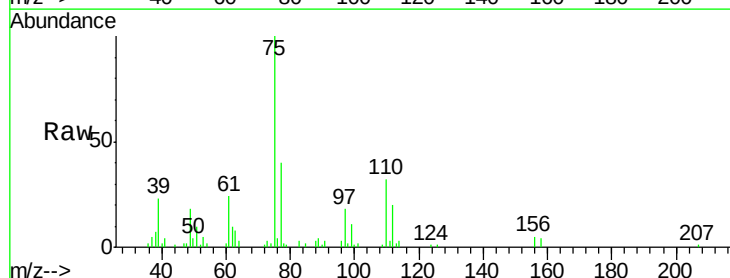
RT: 12.53 min Scan# 3345

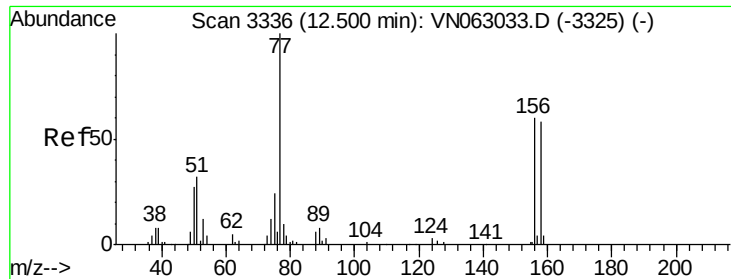
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	75	Resp:	43517
Ion	Ratio	Lower	Upper
75	100		
77	206.6	0.0	387.8





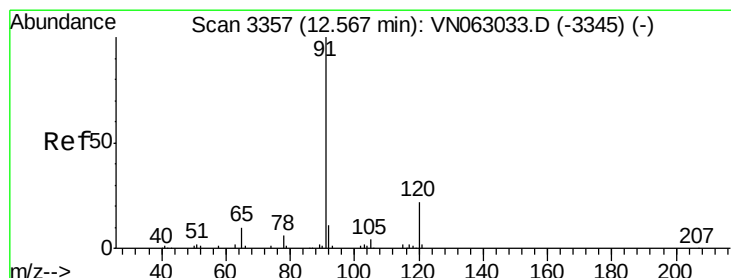
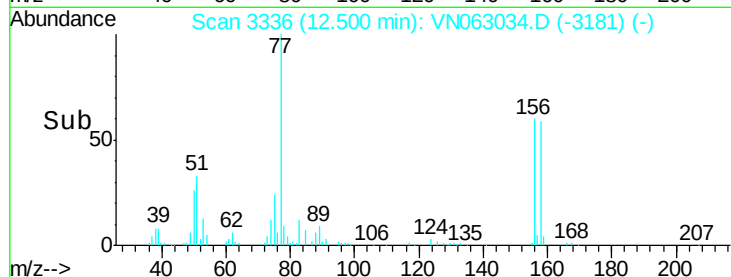
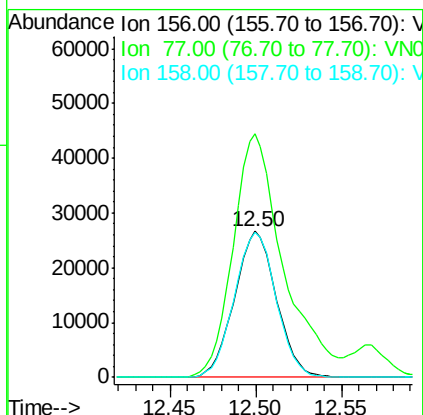
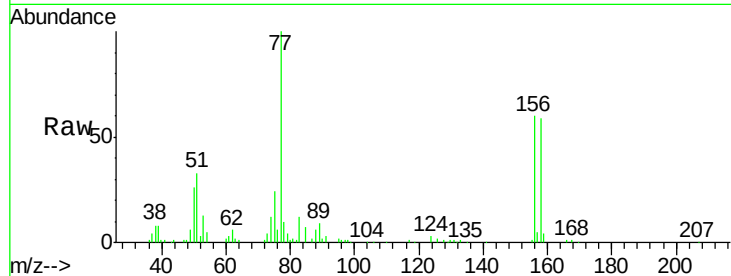
#73
Bromobenzene
Concen: 20.285 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	0.0	398.6
158	99.3	0.0	195.4

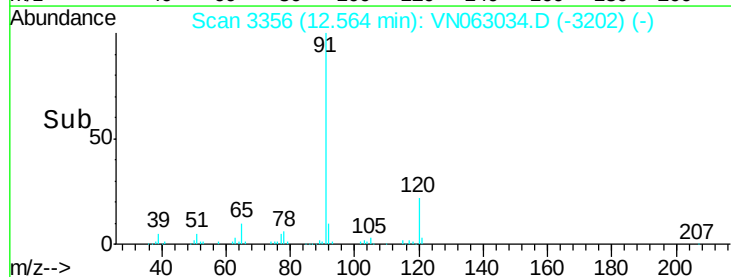
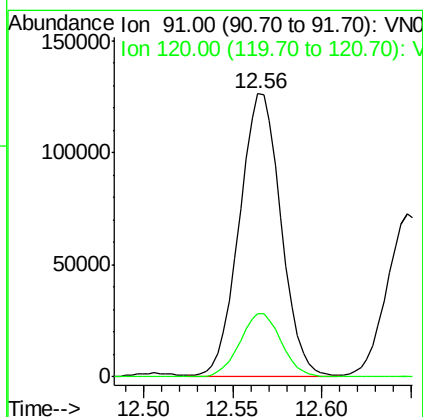
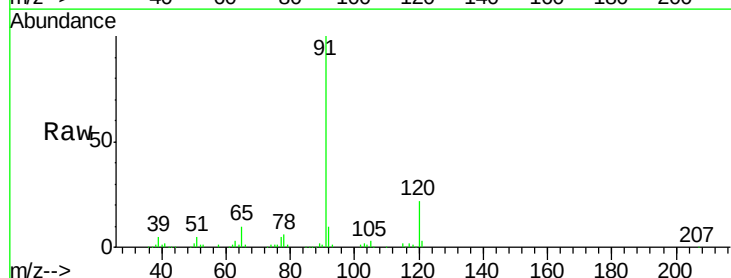
Manual Integrations
APPROVED

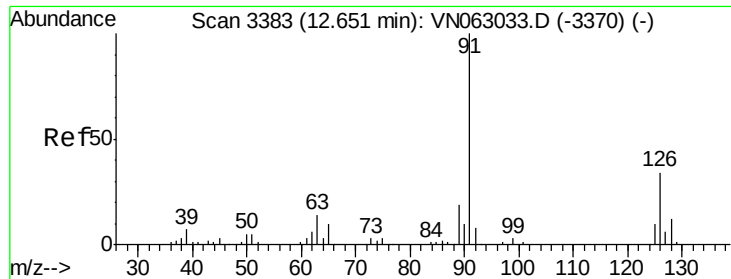
MMDadoda
8/21/2020 9:21:50 AM



#74
n-propylbenzene
Concen: 20.800 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.661 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion: 91 Resp: 121668

Ion Ratio Lower Upper

91 100

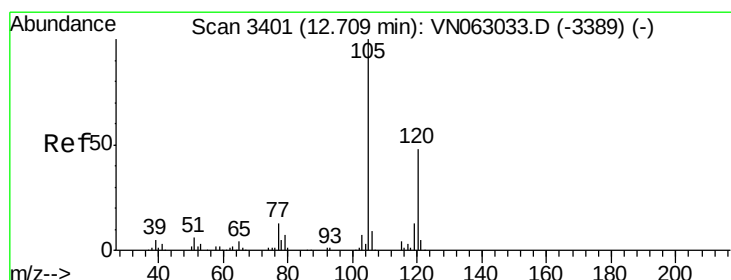
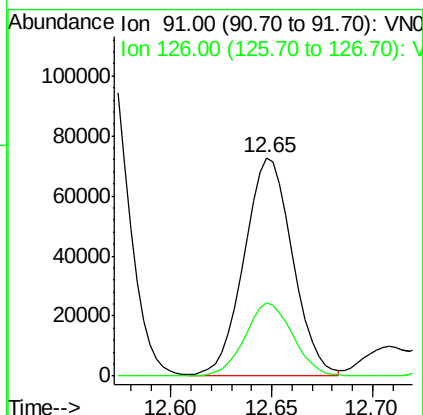
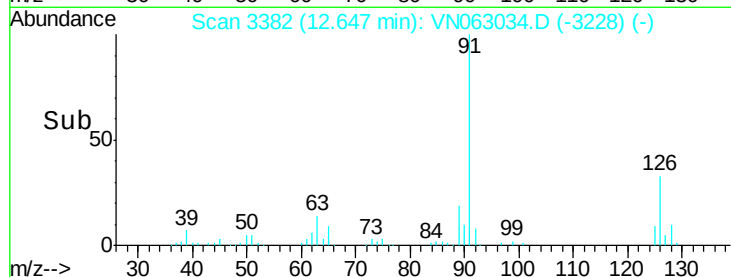
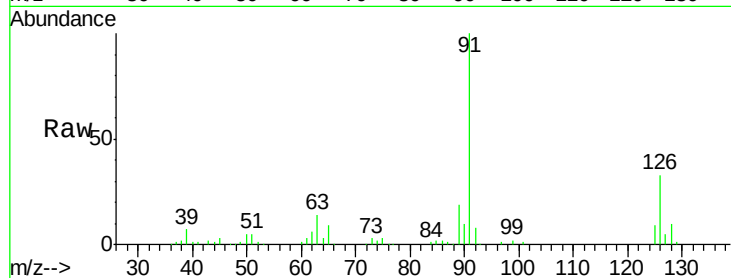
126 33.4 0.0 68.0

Manual Integrations

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8/21/2020 9:21:50 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.675 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063034.D

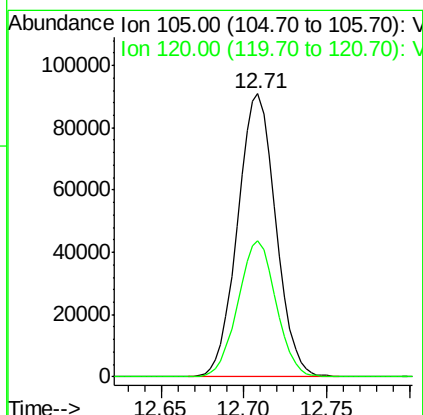
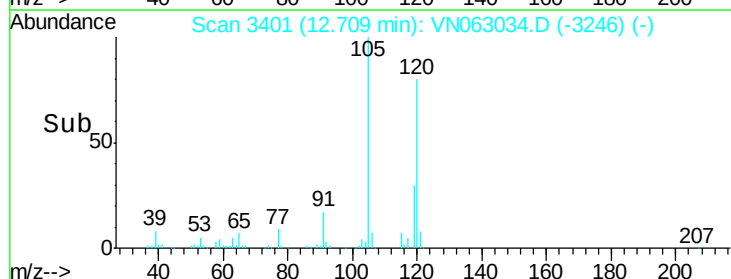
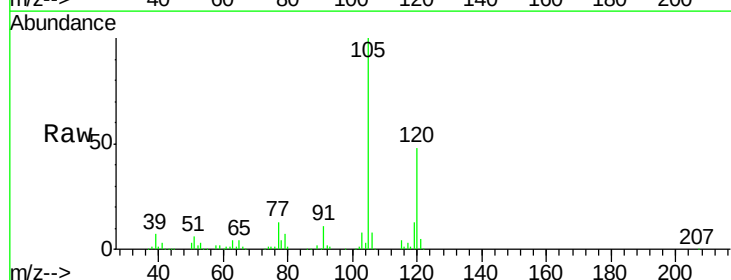
Acq: 20 Aug 2020 13:52

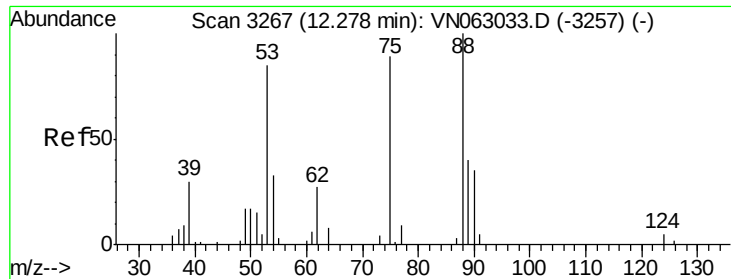
Tgt Ion: 105 Resp: 145327

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.426 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

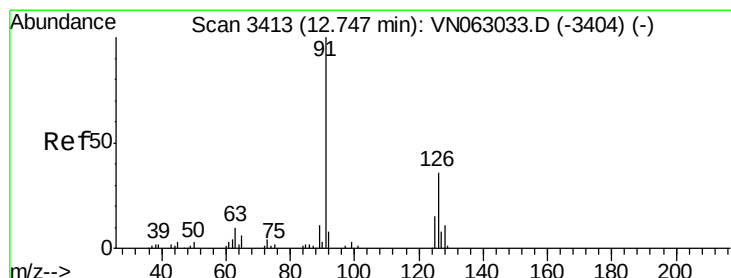
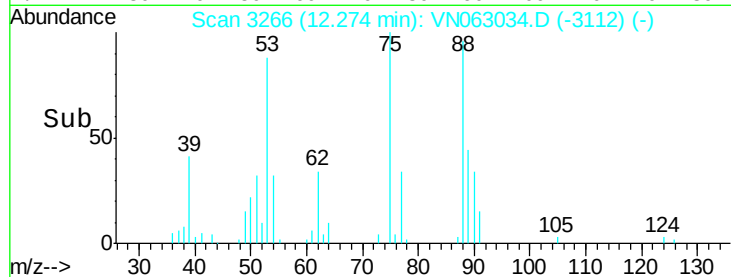
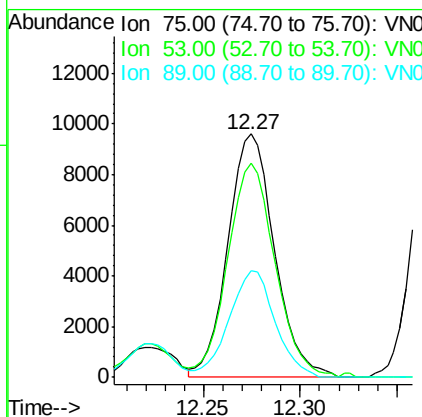
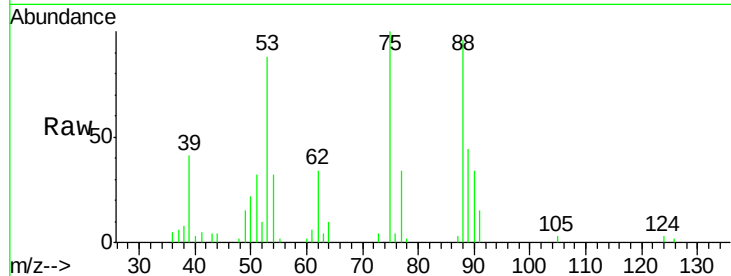
ClientSampleId :

ICVVN082020

Tot Ion:	75	Resp:	16092
Ion	Ratio	Lower	Upper
75	100		
53	88.1	47.0	141.0
89	43.6	22.9	68.7

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#78

4-Chlorotoluene

Concen: 20.343 ug/l

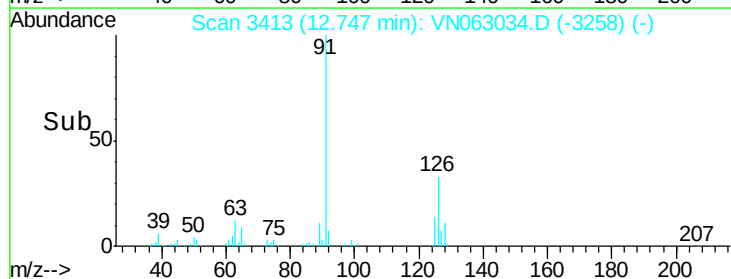
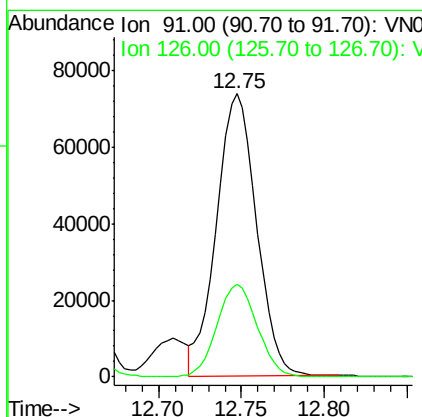
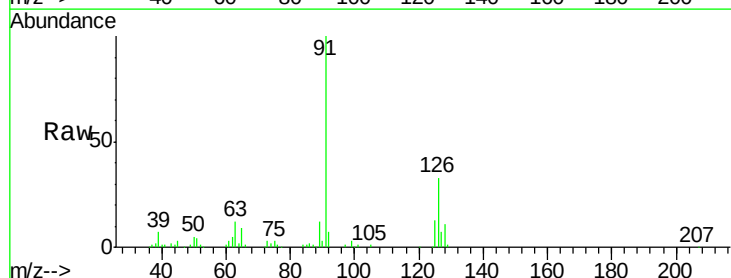
RT: 12.75 min Scan# 3413

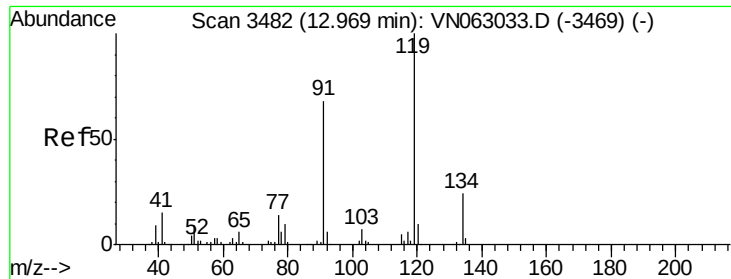
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	91	Resp:	123508
Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	65.0





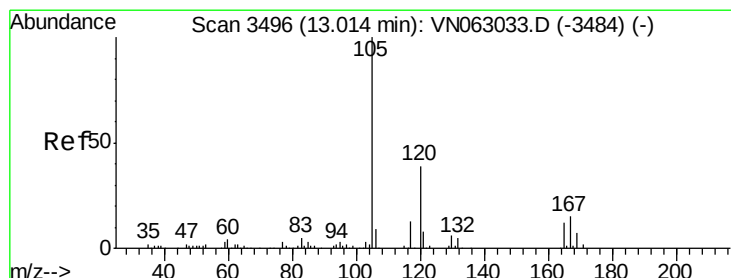
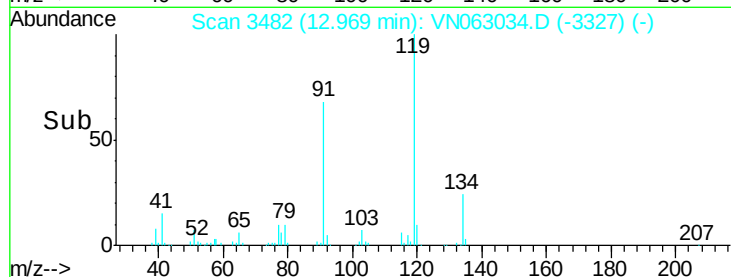
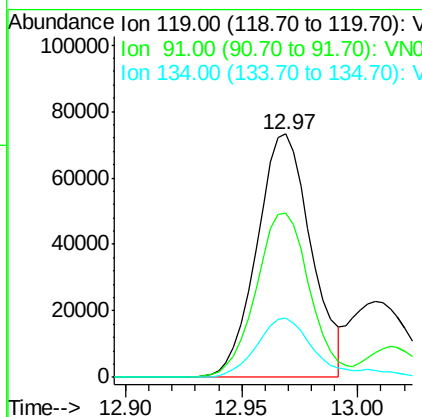
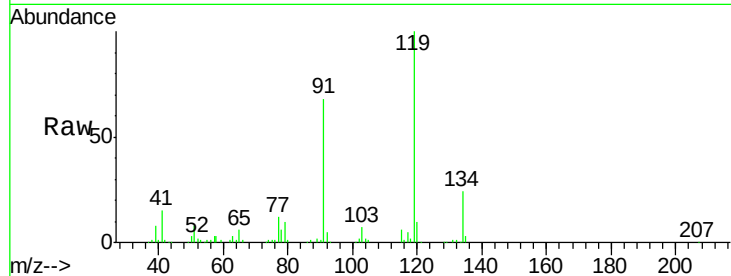
#79
tert-butylbenzene
Concen: 20.193 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119433		
91	67.0	0.0	136.8	
134	24.7	0.0	48.8	

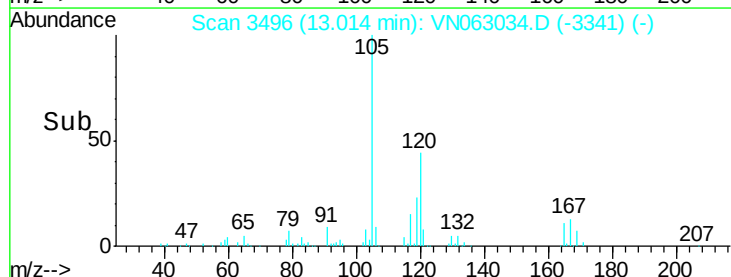
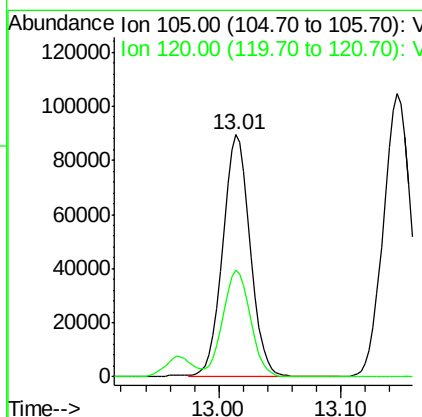
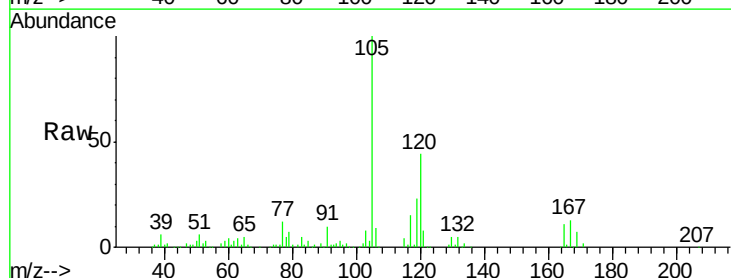
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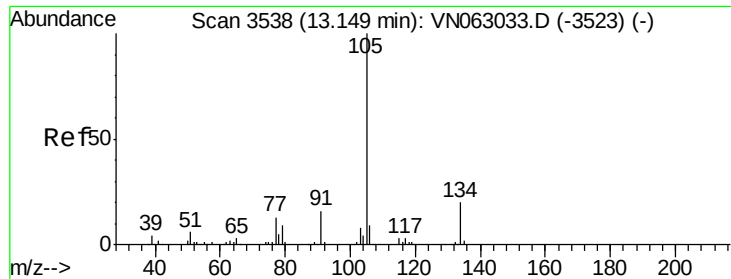
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#80
1,2,4-Trimethylbenzene
Concen: 20.756 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142023		
120	44.5	0.0	90.4	





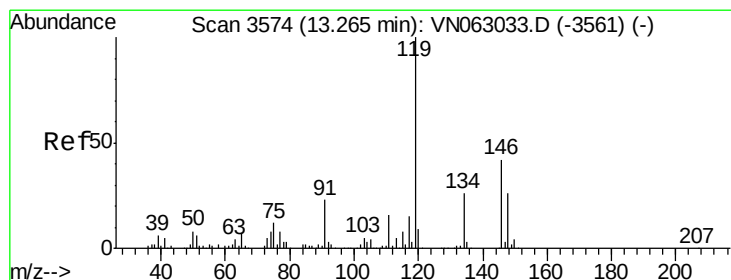
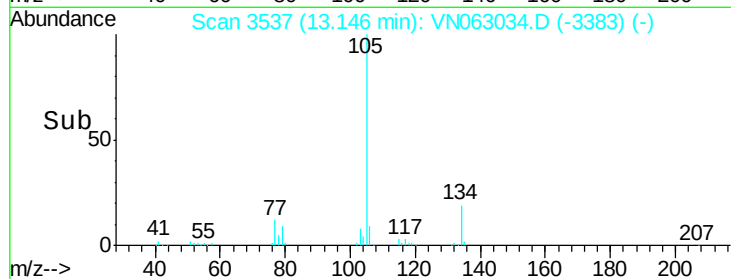
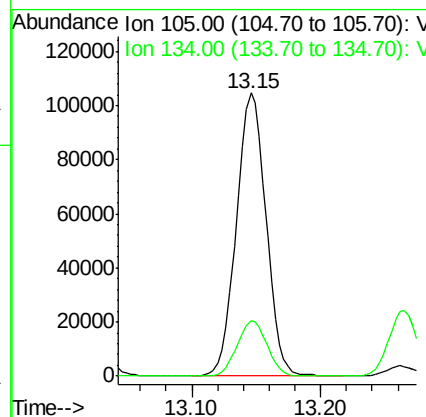
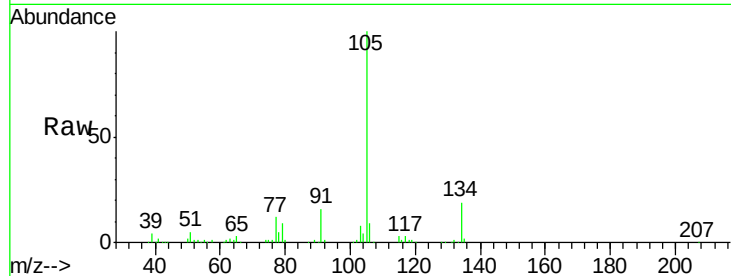
#81
 sec-Butylbenzene
 Concen: 20.514 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	167132		
134	19.6	0.0	39.4	

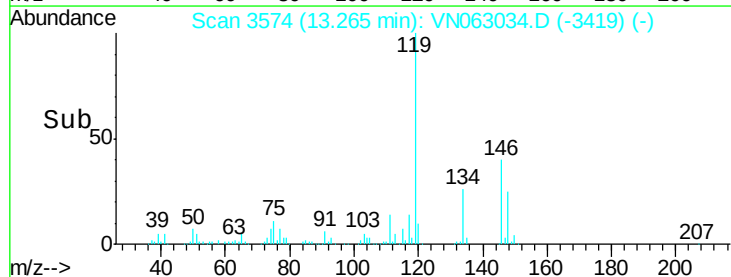
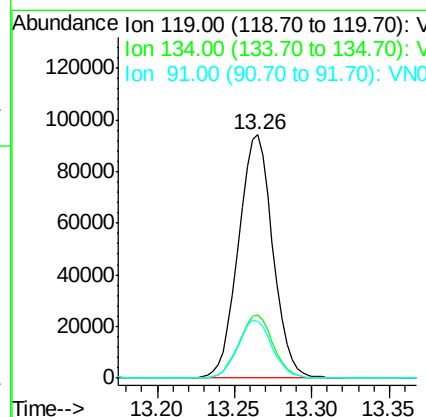
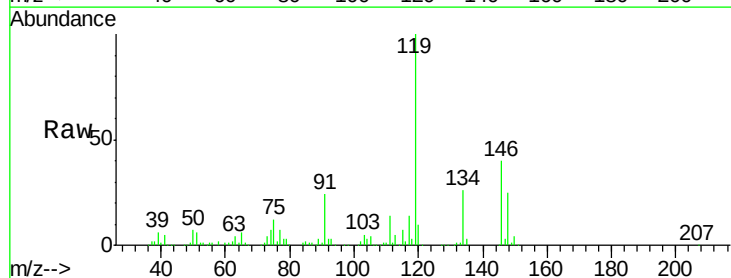
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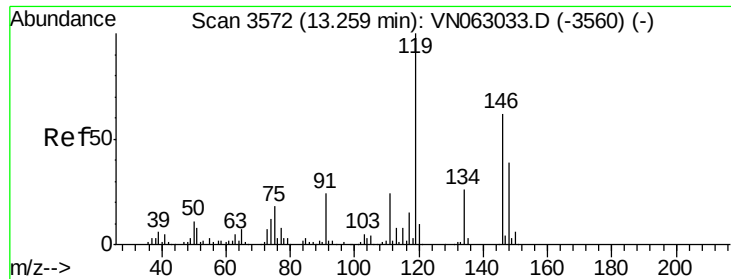
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#82
 p-Isopropyltoluene
 Concen: 20.087 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	145082		
134	25.9	0.0	52.2	
91	23.7	0.0	46.2	





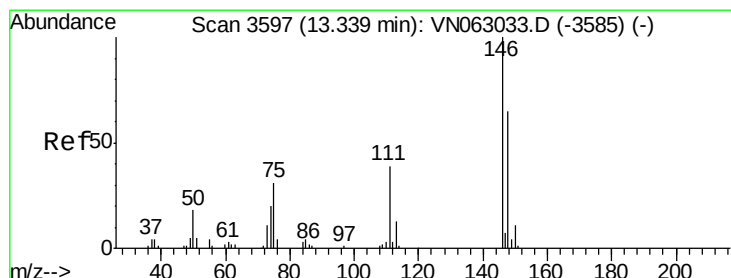
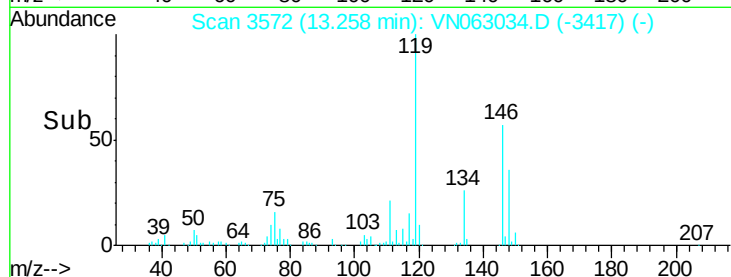
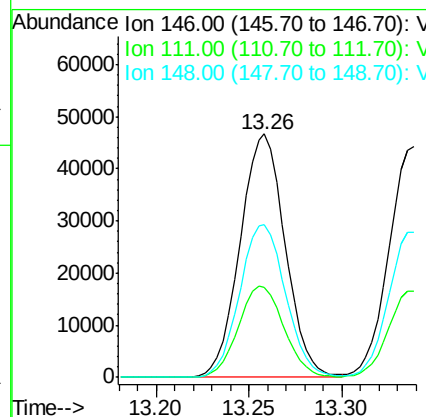
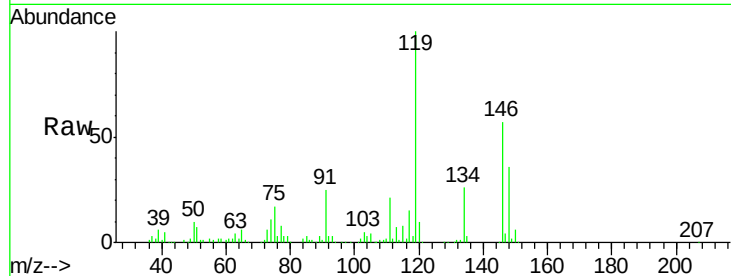
#83
 1,3-Dichlorobenzene
 Concen: 20.277 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.1	31.5	94.5

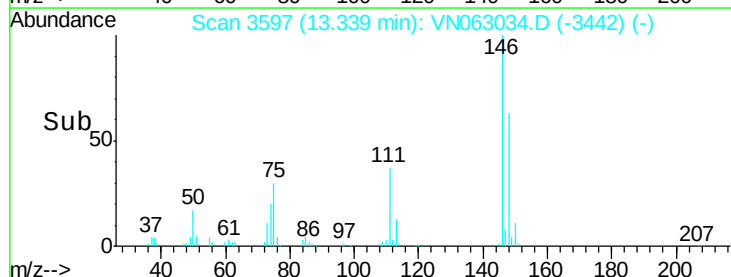
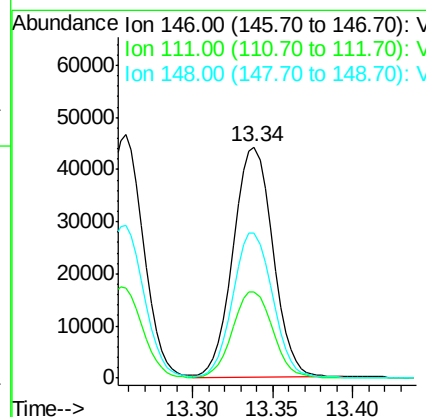
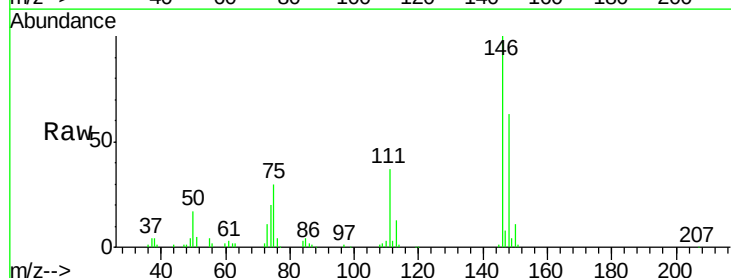
Manual Integrations
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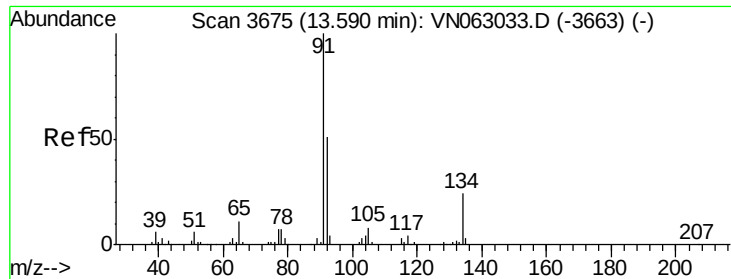
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#84
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	63.2	31.6	94.8





#85

n-Butylbenzene

Concen: 19.067 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

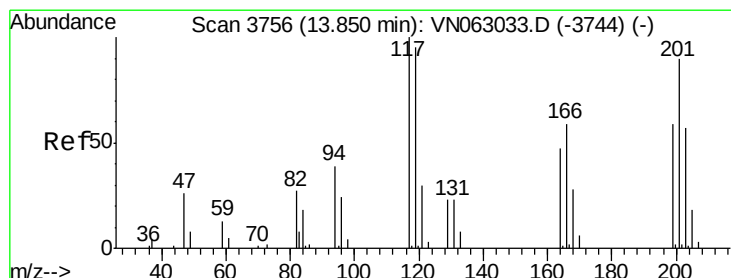
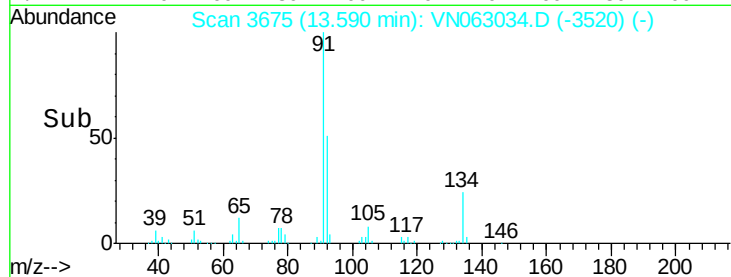
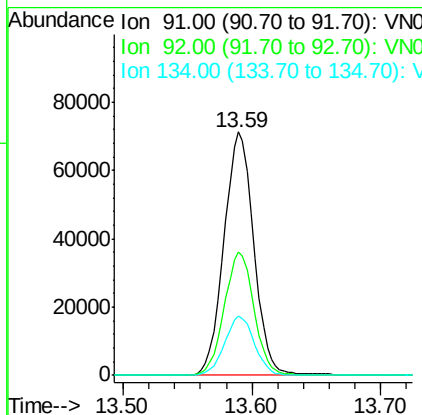
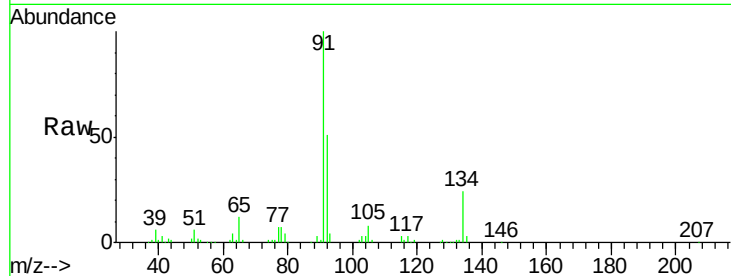
ClientSampleId :

ICVVN082020

Tot Ion:	91	Resp:	114449
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	100.6
134	24.2	0.0	47.4

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#86

Hexachloroethane

Concen: 20.244 ug/l

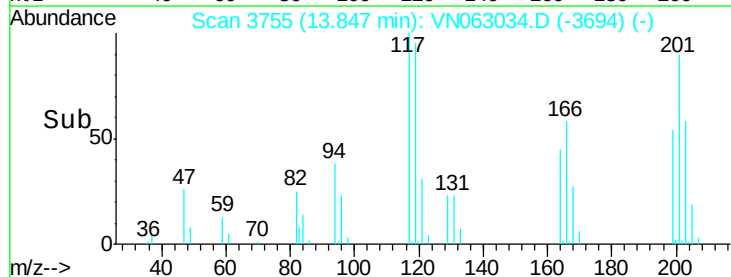
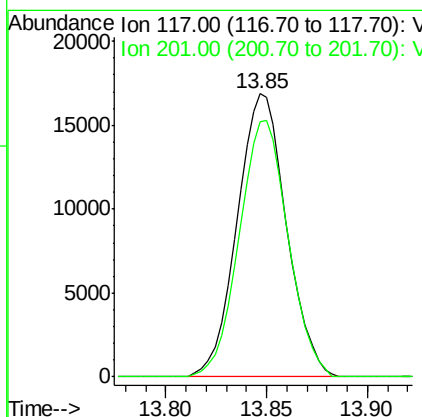
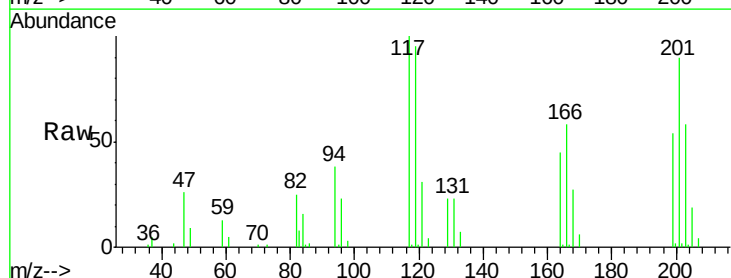
RT: 13.85 min Scan# 3755

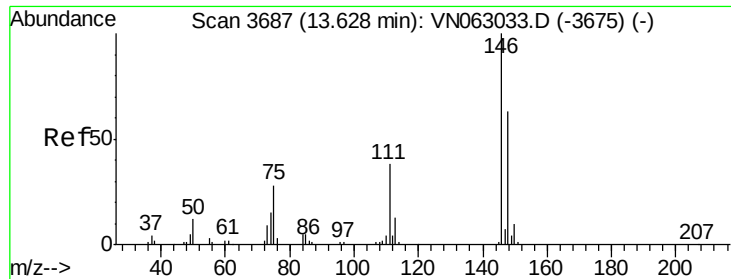
Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Tgt Ion:	117	Resp:	28798
Ion	Ratio	Lower	Upper
117	100		
201	90.0	46.1	138.3





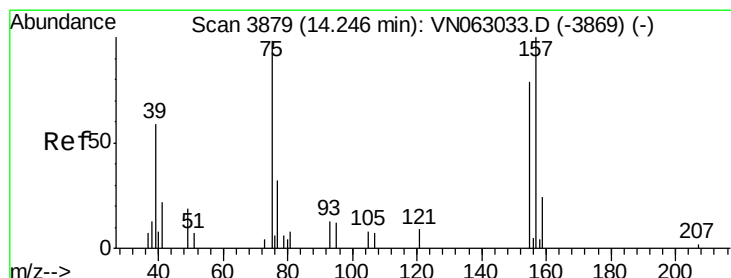
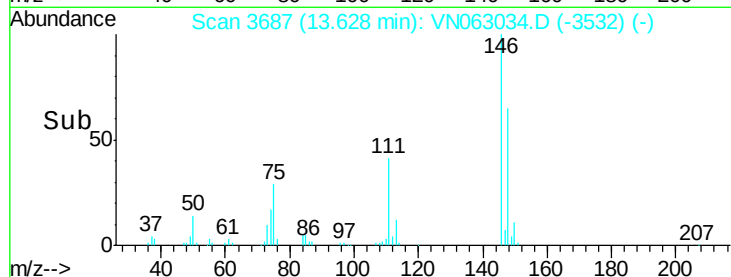
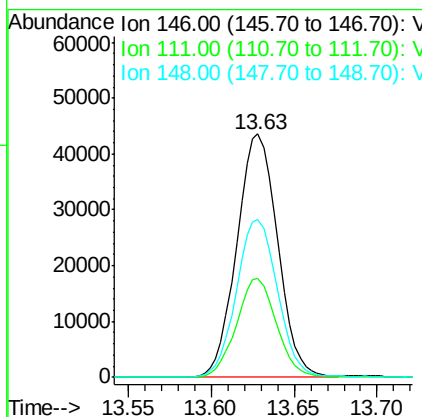
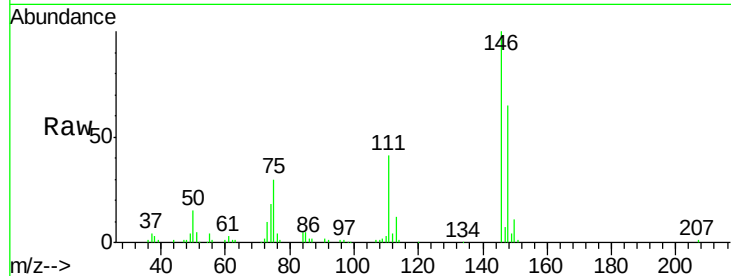
#87
 1,2-Dichlorobenzene
 Concen: 20.201 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	65.3	31.8	95.4

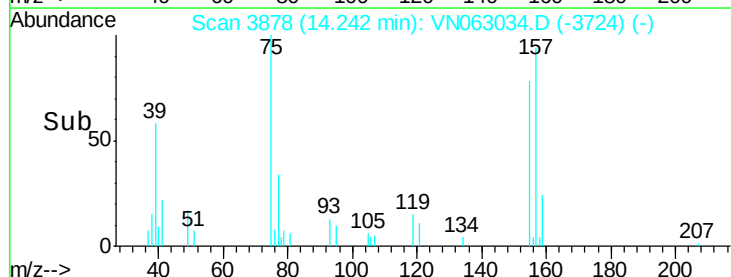
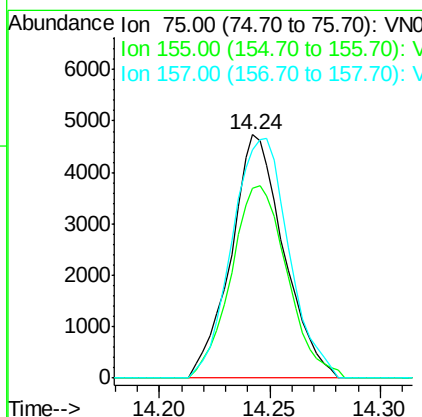
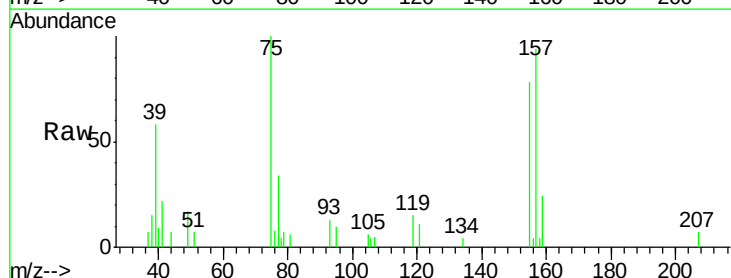
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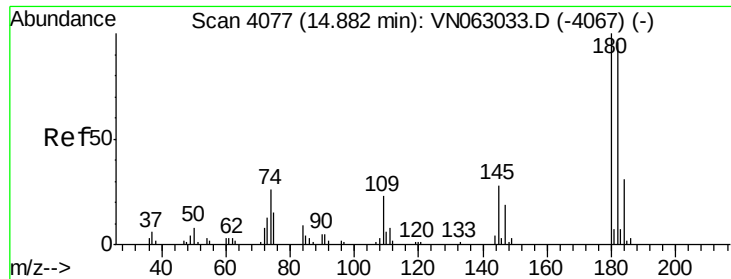
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.729 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	64.8	97.2
157	106.2	81.2	121.8





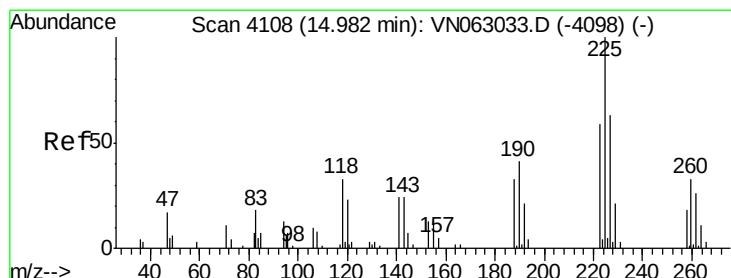
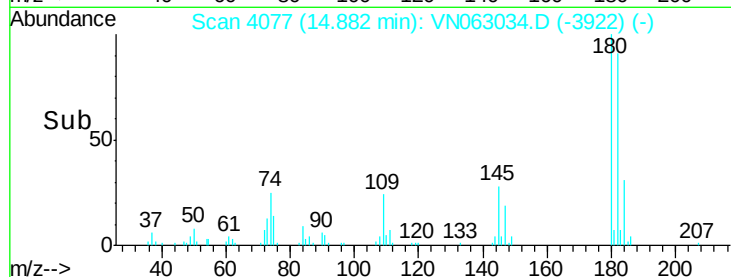
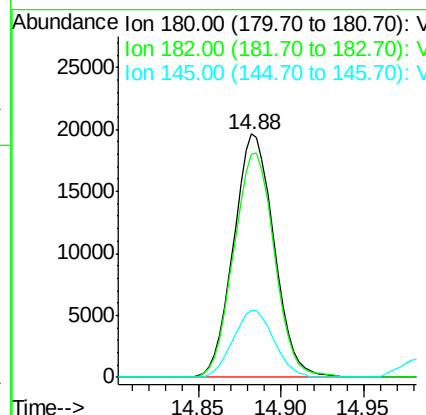
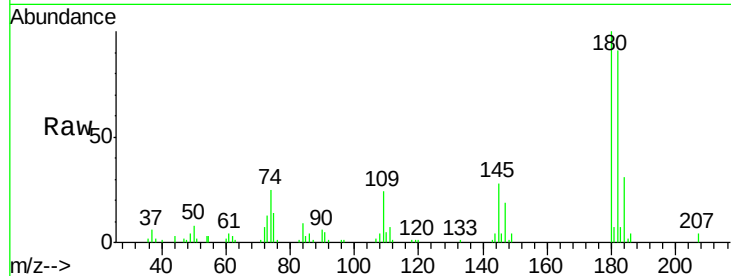
#89
 1,2,4-Trichlorobenzene
 Concen: 18.206 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	27.8	21.9	32.9

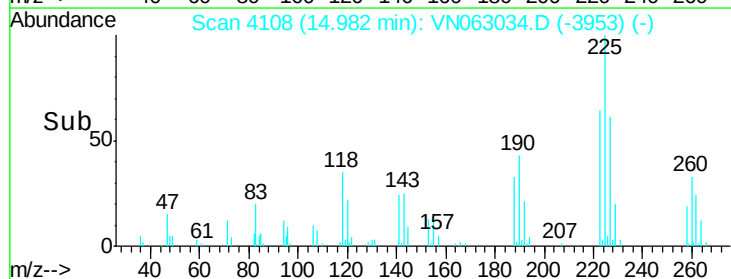
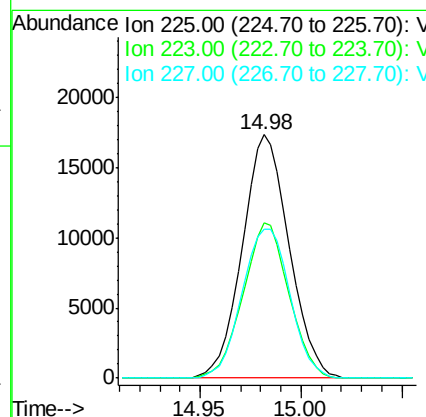
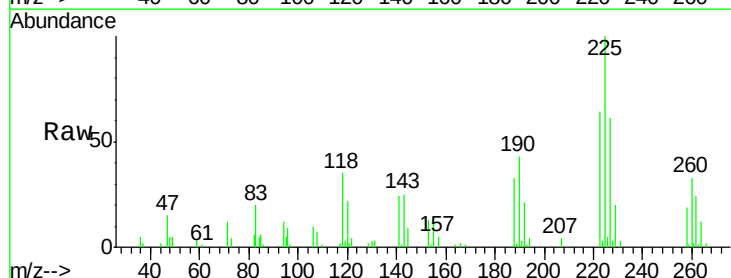
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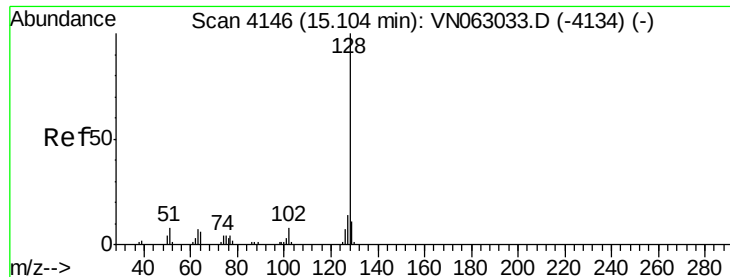
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#90
 Hexachlorobutadiene
 Concen: 20.751 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	122.8
227	62.9	0.0	125.6





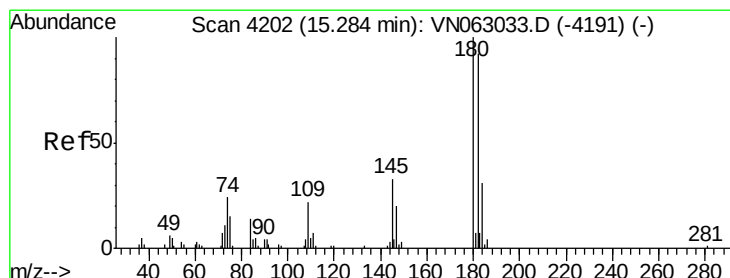
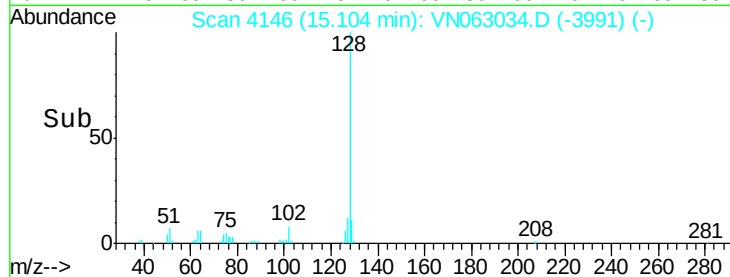
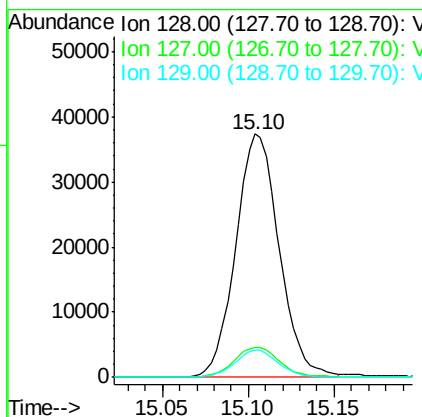
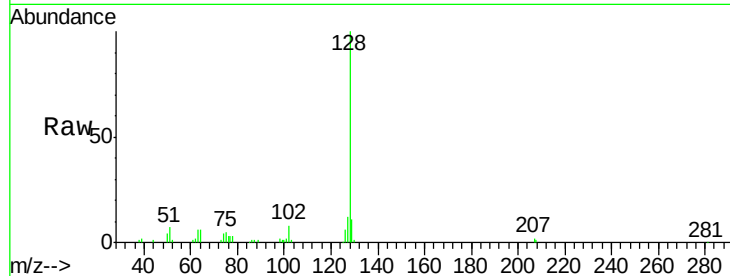
#91
Naphthalene
Concen: 16.226 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.1	16.7
129	11.0	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 18.140 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	188.0
145	31.9	0.0	62.0

