

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064310.D
 Acq On : 26 Oct 2020 18:17
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:21:20 PM

Quant Time: Oct 27 02:43:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47088	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	263776	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236856	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131806	31.11	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.70%
60) 4-Bromofluorobenzene	12.37	95	131821	31.11	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.70%
63) Toluene-d8	10.06	98	332923	31.52	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	74170	19.259 ug/l	91
3) Chloromethane	2.04	50	70905	19.704 ug/l	98
4) Vinyl Chloride	2.16	62	65405	18.643 ug/l	92
5) Bromomethane	2.53	94	44463	20.532 ug/l	90
6) Chloroethane	2.67	64	36923	18.841 ug/l	97
7) Trichlorofluoromethane	2.98	101	105503	19.519 ug/l	93
8) Diethyl Ether	3.38	74	33614	19.414 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52049	18.905 ug/l	88
10) 1,1-Dichloroethene	3.70	96	50857	19.222 ug/l	91
11) Methyl Iodide	3.91	142	64571	17.044 ug/l	95
12) Methyl Acetate	4.28	43	61378	19.374 ug/l	93
13) Acrolein	3.57	56	18549	88.648 ug/l	94
14) Acrylonitrile	4.93	53	127068	92.210 ug/l #	62
15) Acetone	3.77	58	33104	87.332 ug/l	86
16) Carbon Disulfide	4.01	76	145758	18.559 ug/l	98
17) Allyl chloride	4.28	41	88026	17.523 ug/l	97
18) Methylene Chloride	4.50	84	54843	18.203 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	54438	18.957 ug/l	91
20) Diisopropyl ether	5.90	45	192297	18.912 ug/l	96
21) 1,1-Dichloroethane	5.80	63	109631	19.248 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	63193	19.071 ug/l #	85
23) tert-Butyl Alcohol	4.73	59	62020	98.888 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	190330	19.044 ug/l	97
25) Chloroform	7.33	83	112254	19.104 ug/l	98
26) Cyclohexane	7.61	56	87047	18.656 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	83907	18.477 ug/l	95
30) 2-Butanone	6.78	43	198736	92.880 ug/l #	98
31) 2,2-Dichloropropane	6.77	77	101565	18.619 ug/l #	65
32) 1,1,1-Trichloroethane	7.53	97	107558	18.922 ug/l	98
33) Carbon Tetrachloride	7.73	117	95187	18.301 ug/l	97
34) Benzene	8.00	78	226784	18.609 ug/l	96
35) Methacrylonitrile	7.14	41	40026m	17.913 ug/l	
36) 1,2-Dichloroethane	8.08	62	100805	18.622 ug/l #	90
37) Trichloroethene	8.80	130	62293	18.740 ug/l	99
38) Methylcyclohexane	9.05	83	80705	18.392 ug/l	98
39) 1,2-Dichloropropane	9.08	63	61106	18.573 ug/l	98
40) Dibromomethane	9.17	93	44453	19.466 ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	90119	18.272	ug/l	96
42) Vinyl Acetate	5.84	43	832483	91.048	ug/l	99
43) Ethyl Acetate	6.88	43	81992	18.799	ug/l #	81
44) Isopropyl Acetate	8.13	43	145330m	18.135	ug/l	
45) 1,4-Dioxane	9.16	88	21921	354.681	ug/l	89
46) Methyl methacrylate	9.17	41	75055	19.193	ug/l	98
47) n-amyl Acetate	12.05	43	119184	17.665	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	101147	18.182	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	101659	17.931	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	55686	18.163	ug/l	95
51) Ethyl methacrylate	10.40	69	85494	17.859	ug/l	99
52) 1,3-Dichloropropane	10.68	76	99975	18.570	ug/l	96
53) Dibromochloromethane	10.87	129	67812	18.110	ug/l	98
54) 1,2-Dibromoethane	10.98	107	60524	18.480	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	226106	94.894	ug/l	98
56) Bromoform	12.10	173	46834	17.446	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	420106	95.870	ug/l	100
59) 2-Hexanone	10.72	43	305516	93.309	ug/l	99
61) Tetrachloroethene	10.60	164	59355	18.791	ug/l	96
62) Toluene	10.13	91	244120	18.711	ug/l	99
64) Chlorobenzene	11.41	112	155544	19.124	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	61785	19.229	ug/l	97
66) Ethyl Benzene	11.48	91	281127	18.854	ug/l	98
67) m/p-Xylenes	11.60	106	203740	37.206	ug/l	94
68) o-Xylene	11.92	106	99073	18.397	ug/l	99
69) Styrene	11.94	104	163479	18.214	ug/l	99
70) Isopropylbenzene	12.22	105	264892	18.551	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	77820	19.128	ug/l	99
72) 1,2,3-Trichloropropane	12.52	75	84822m	19.578	ug/l	
73) Bromobenzene	12.50	156	65893	18.824	ug/l	99
74) n-propylbenzene	12.57	91	295251	18.142	ug/l	99
75) 2-Chlorotoluene	12.65	91	189061	18.785	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	225206	18.649	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29947	18.512	ug/l	96
78) 4-Chlorotoluene	12.75	91	194241	18.443	ug/l	100
79) tert-butylbenzene	12.97	119	182894	18.378	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	223531	18.351	ug/l	100
81) sec-Butylbenzene	13.14	105	230440	17.841	ug/l	99
82) p-Isopropyltoluene	13.26	119	213719	18.064	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	110978	18.252	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	110224	18.052	ug/l	98
85) n-Butylbenzene	13.59	91	185022	17.934	ug/l	96
86) Hexachloroethane	13.85	117	41189	18.668	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	109436	18.278	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20627	20.058	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	59492	17.537	ug/l	99
90) Hexachlorobutadiene	14.98	225	33265	18.219	ug/l	98
91) Naphthalene	15.10	128	187834	18.342	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	61509	18.770	ug/l	93

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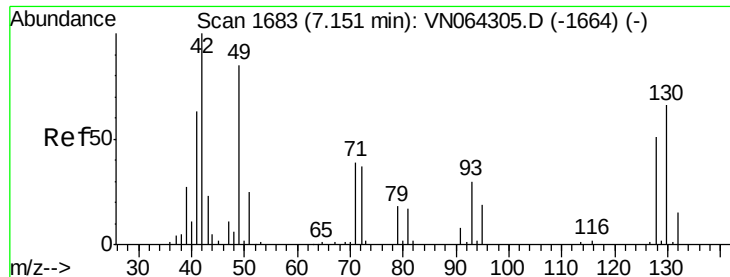
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion:128 Resp: 47088

Ion Ratio Lower Upper

128 100

49 177.8 0.0 439.5

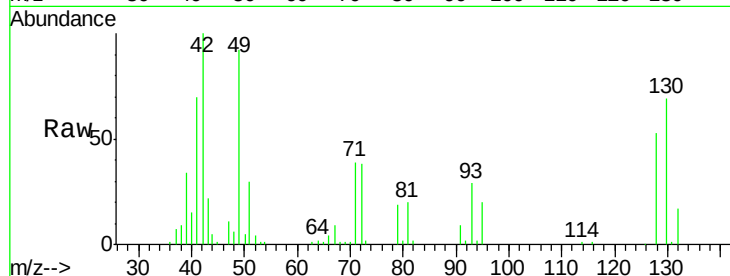
130 129.2 0.0 323.8

Manual Integrations

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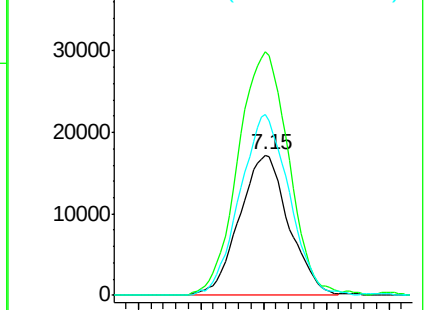
10/27/2020 2:21:20 PM



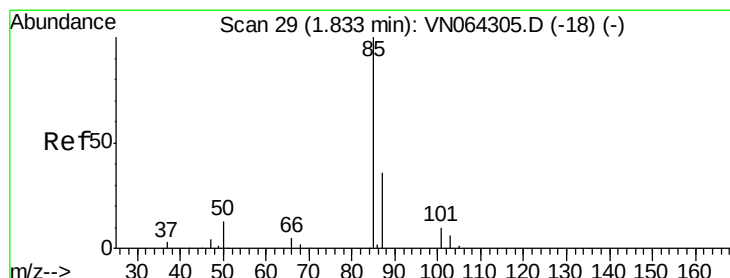
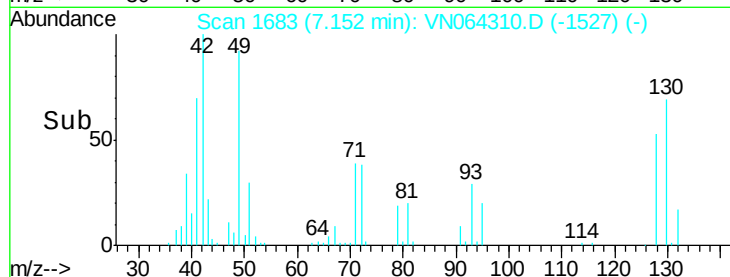
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 19.259 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064310.D

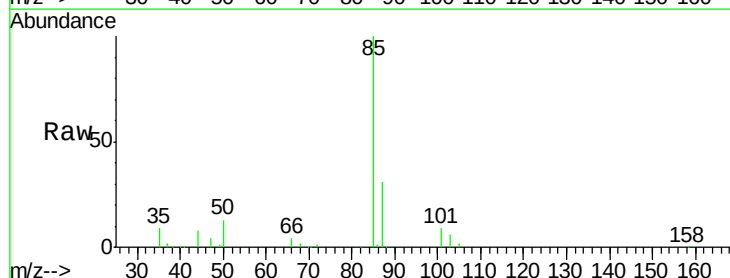
Acq: 26 Oct 2020 18:17

Tgt Ion: 85 Resp: 74170

Ion Ratio Lower Upper

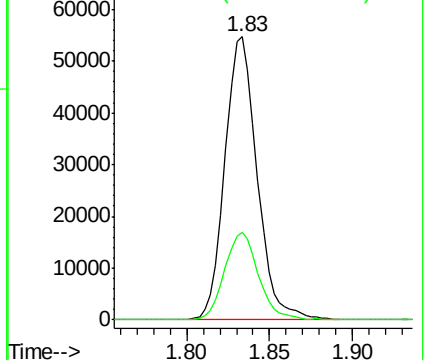
85 100

87 31.0 18.1 54.4

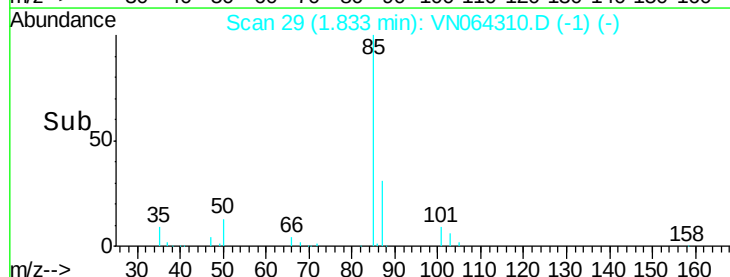


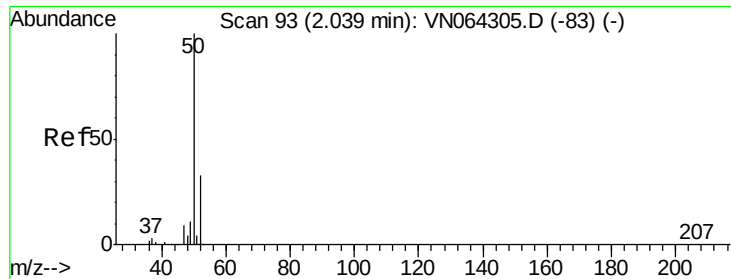
Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->





#3

Chloromethane

Concen: 19.704 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 50 Resp: 70905

Ion Ratio Lower Upper

50 100

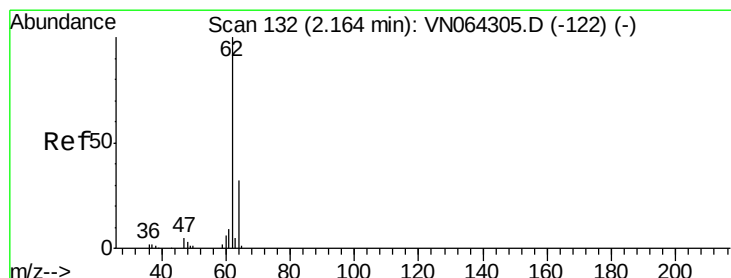
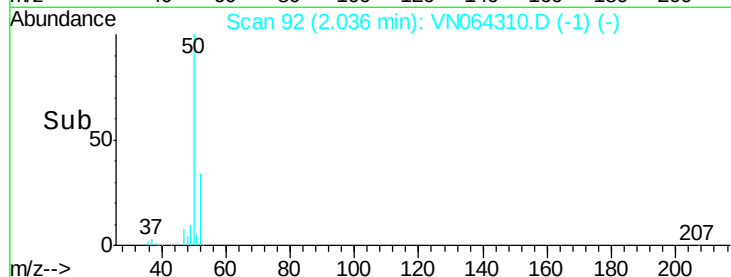
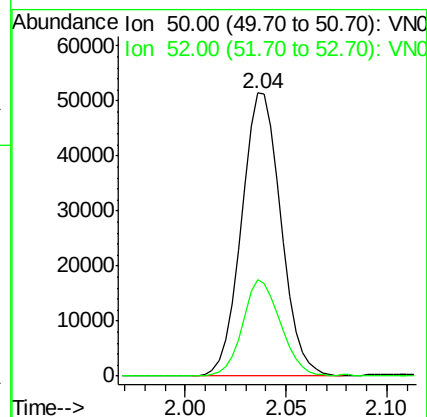
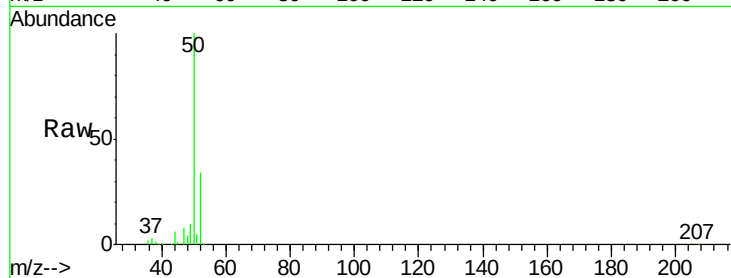
52 34.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.643 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064310.D

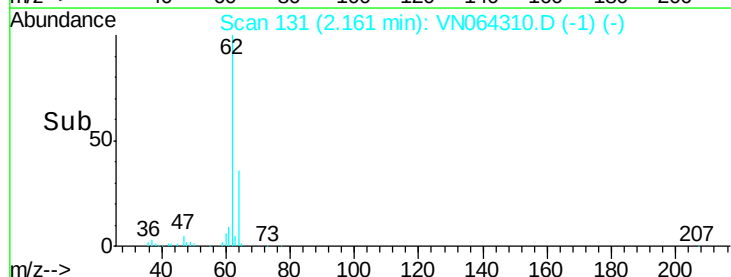
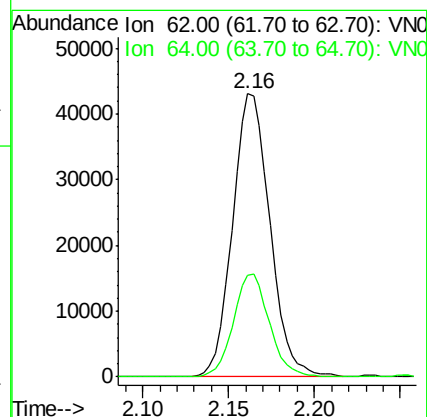
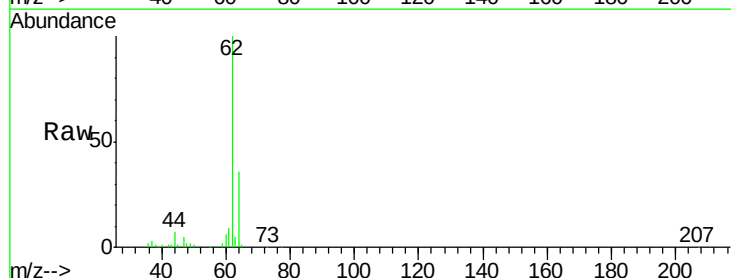
Acq: 26 Oct 2020 18:17

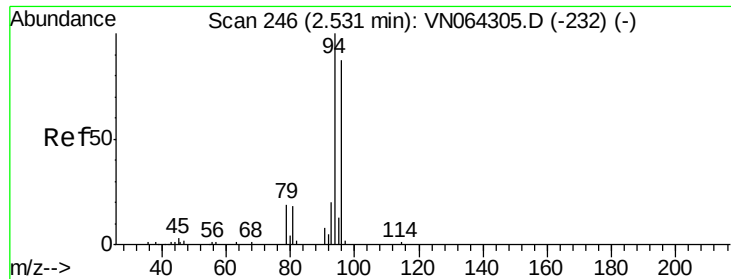
Tgt Ion: 62 Resp: 65405

Ion Ratio Lower Upper

62 100

64 36.1 25.5 38.3





#5

Bromomethane

Concen: 20.532 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 94 Resp: 44463

Ion Ratio Lower Upper

94 100

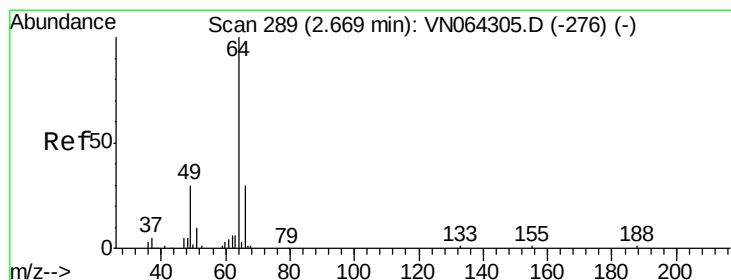
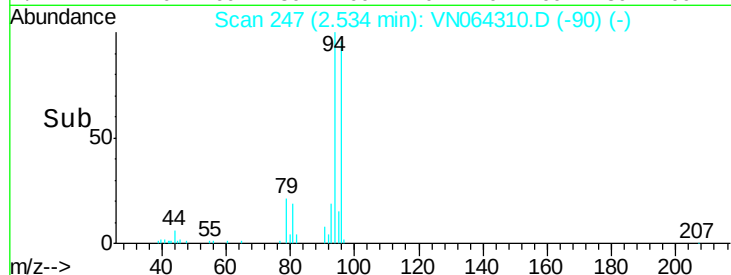
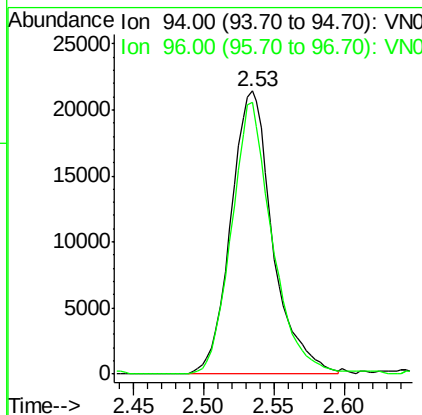
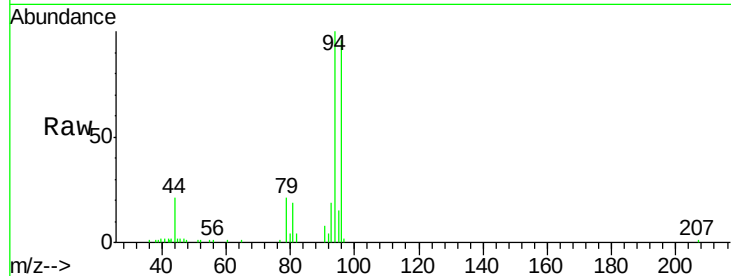
96 96.1 69.4 104.0

Manual Integrations

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#6

Chloroethane

Concen: 18.841 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064310.D

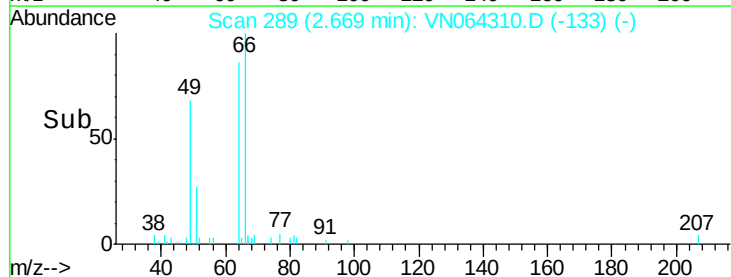
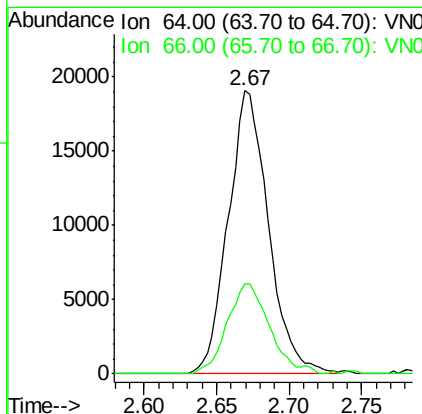
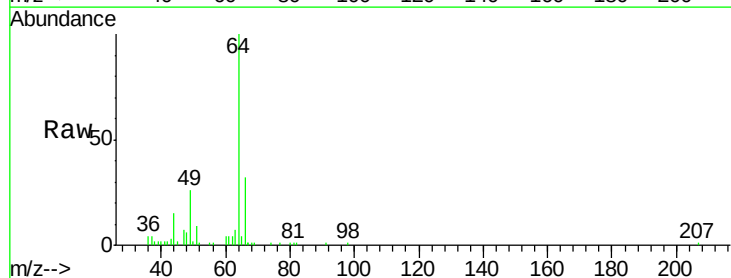
Acq: 26 Oct 2020 18:17

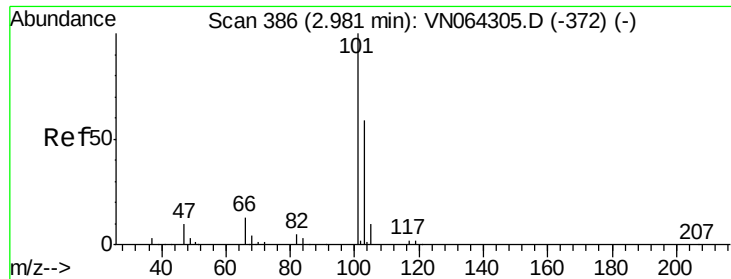
Tgt Ion: 64 Resp: 36923

Ion Ratio Lower Upper

64 100

66 31.9 24.1 36.1





#7

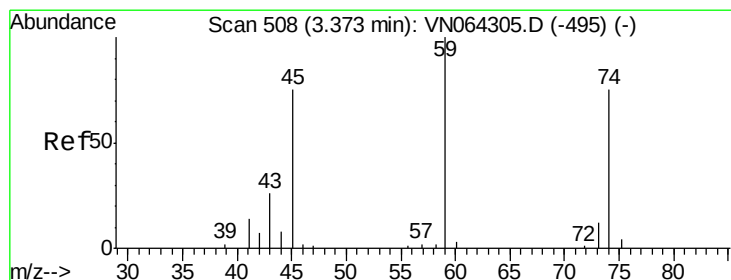
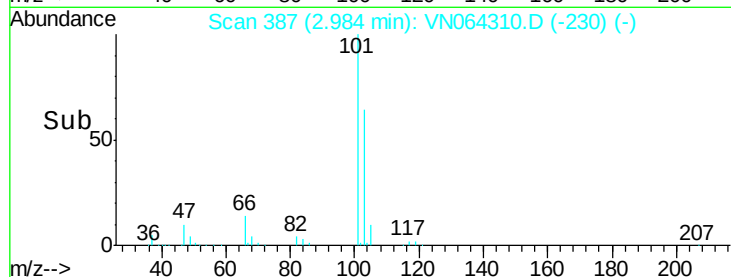
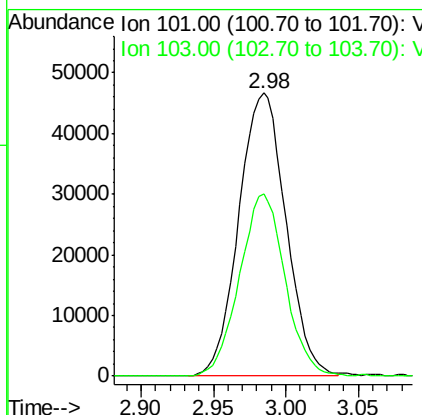
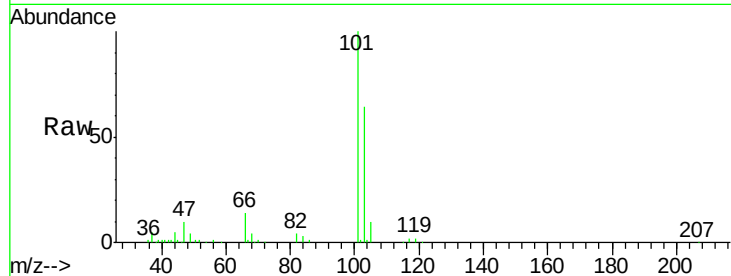
Trichlorofluoromethane
Concen: 19.519 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
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ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	47.1	70.7

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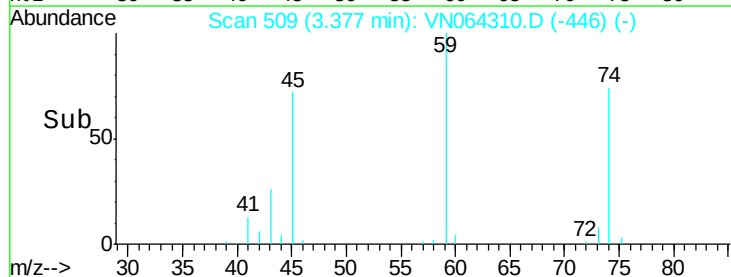
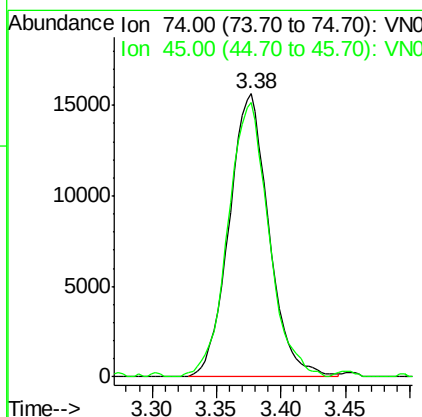
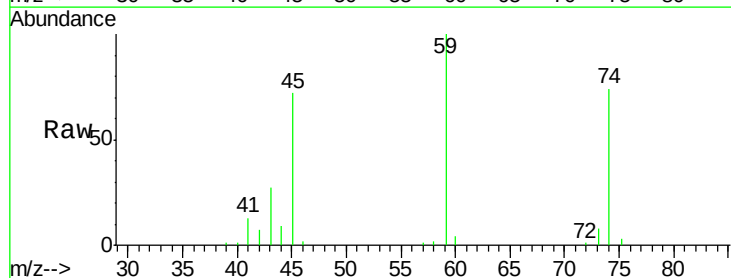
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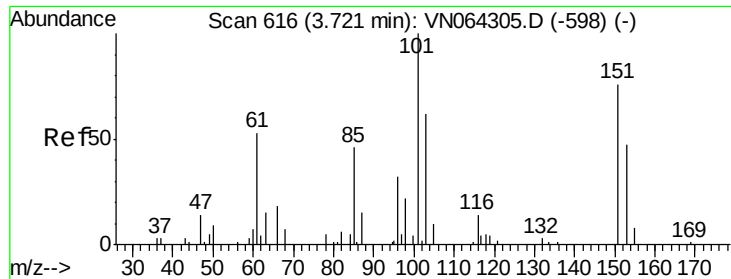


#8

Diethyl Ether
Concen: 19.414 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	20.4	183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.905 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

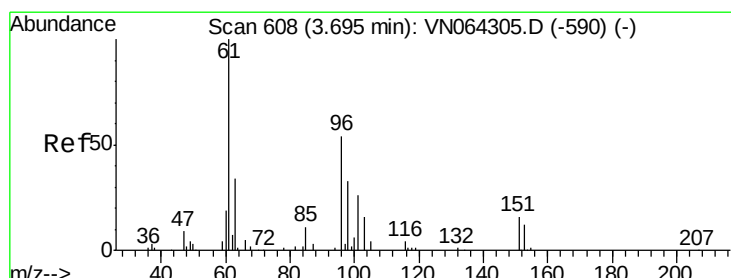
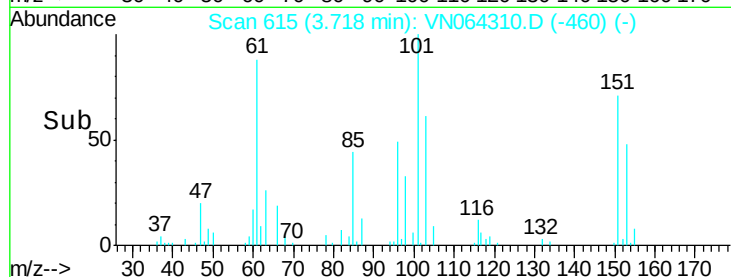
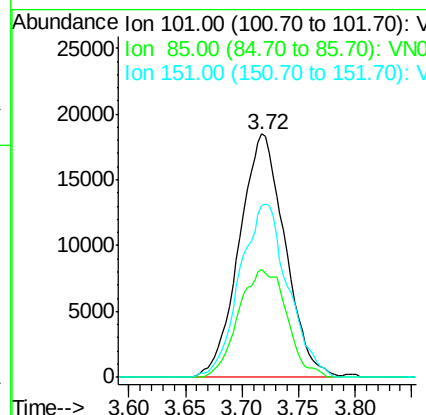
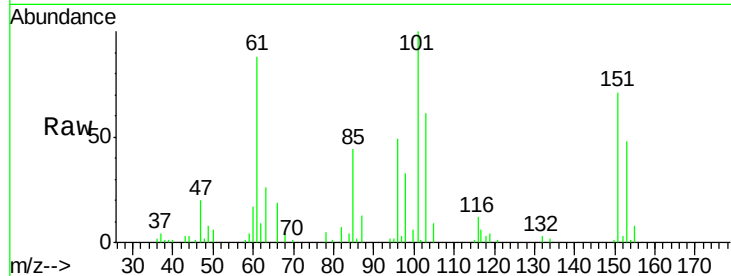
ClientSampleId :

ICVVN102620

Tot Ion:	101	Resp:	52049
Ion Ratio	Lower	Upper	
101	100		
85	29.8	0.0	96.2
151	74.7	0.0	154.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.222 ug/l

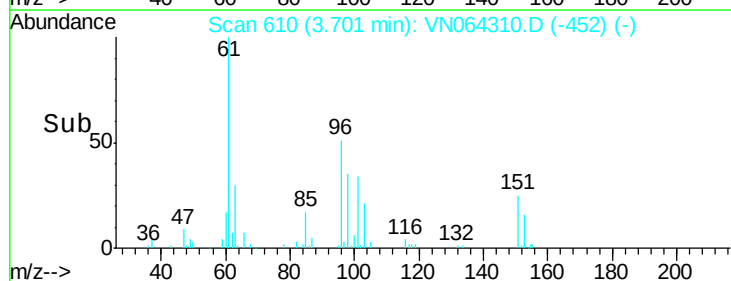
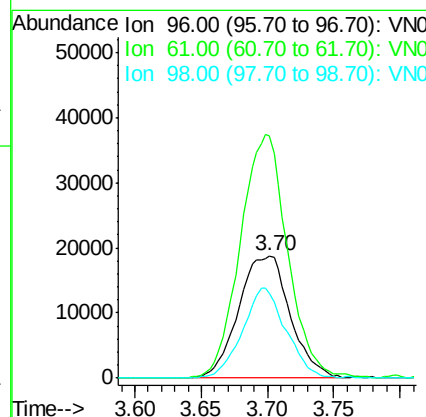
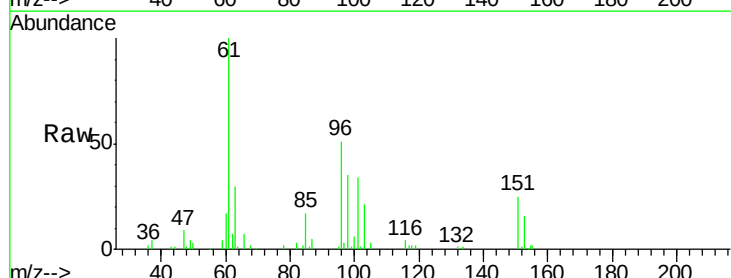
RT: 3.70 min Scan# 610

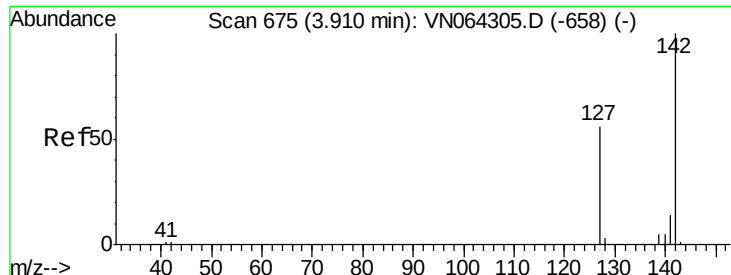
Delta R.T. 0.01 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	96	Resp:	50857
Ion Ratio	Lower	Upper	
96	100		
61	197.0	147.4	221.2
98	69.3	48.8	73.2





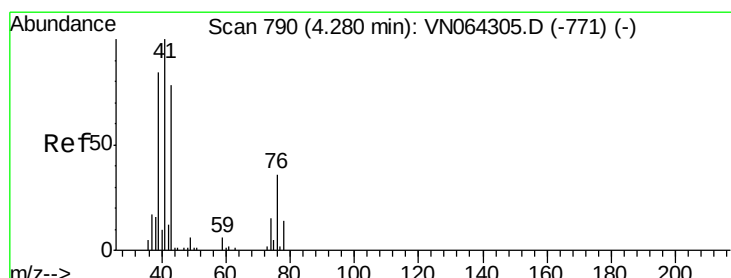
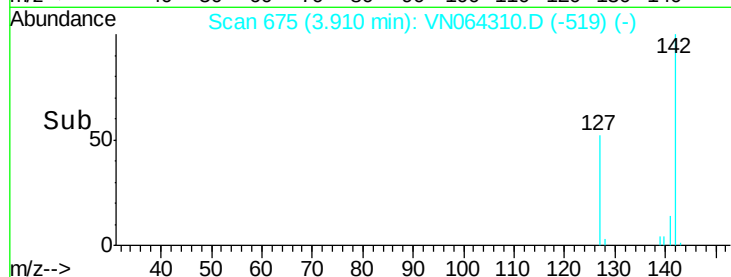
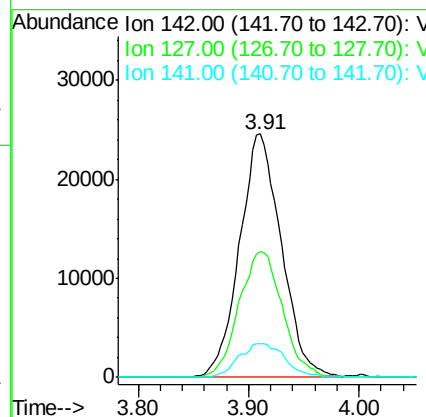
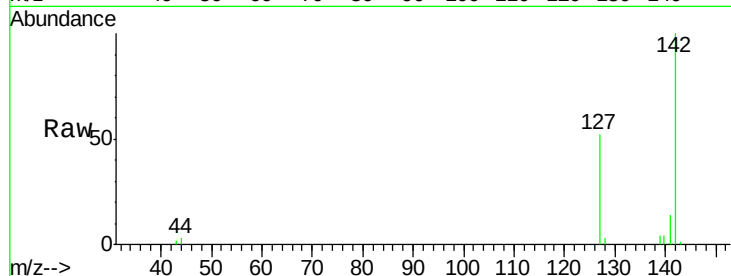
#11
Methvl Iodide
Concen: 17.044 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.7	27.9	83.7
141	13.6	7.1	21.3

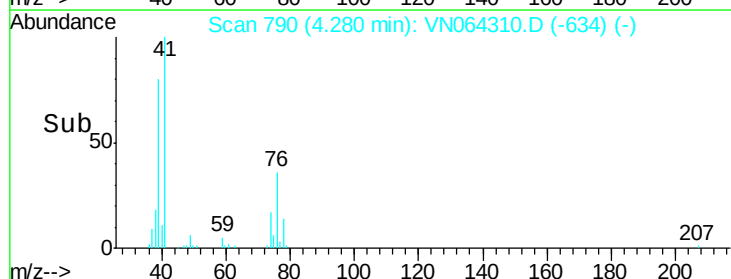
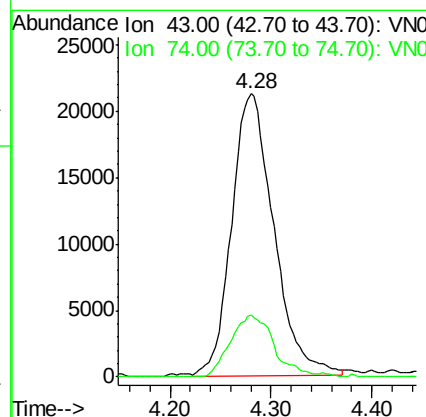
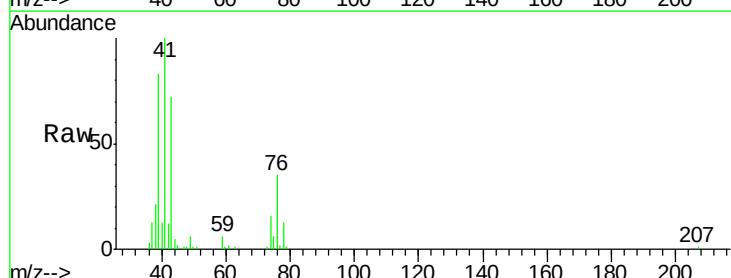
Manual Integrations
APPROVED

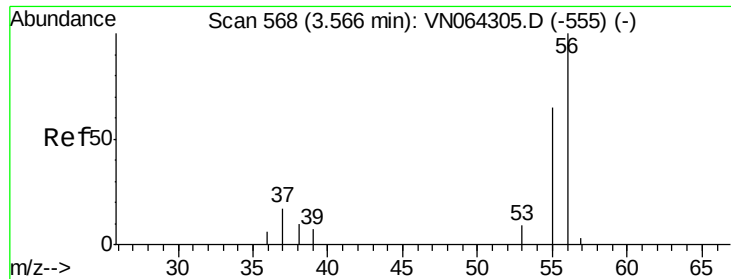
MMDadoda
10/27/2020 2:21:20 PM



#12
Methyl Acetate
Concen: 19.374 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	15.4	23.0





#13

Acrolein

Concen: 88.648 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 56 Resp: 18549

Ion Ratio Lower Upper

56 100

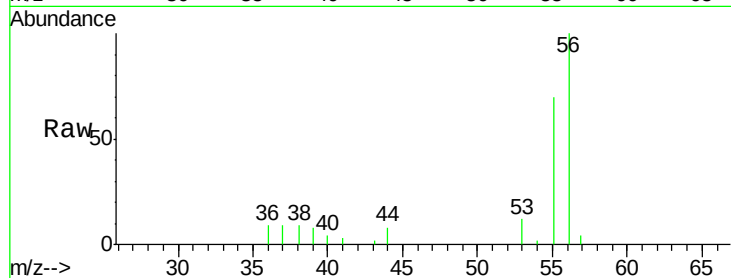
55 74.4 55.5 83.3

Manual Integrations

APPROVED

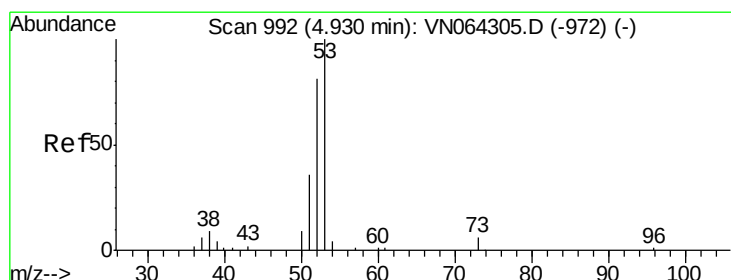
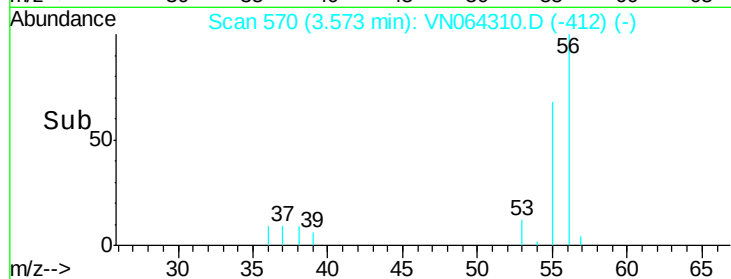
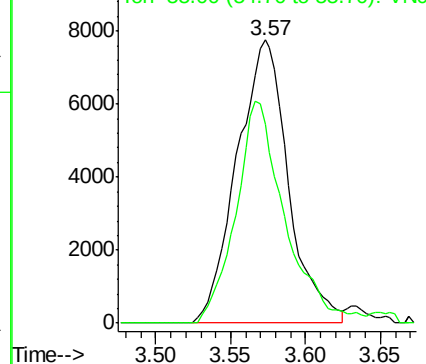
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.210 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

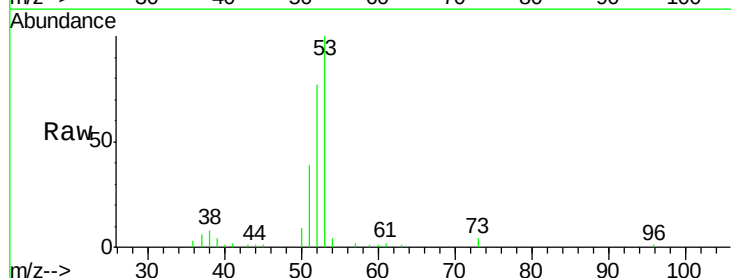
Tgt Ion: 53 Resp: 127068

Ion Ratio Lower Upper

53 100

52 32.9 41.7 125.1#

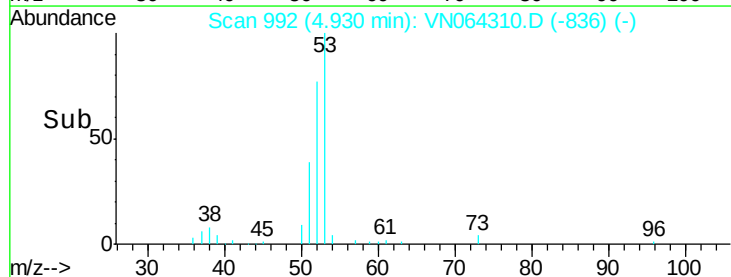
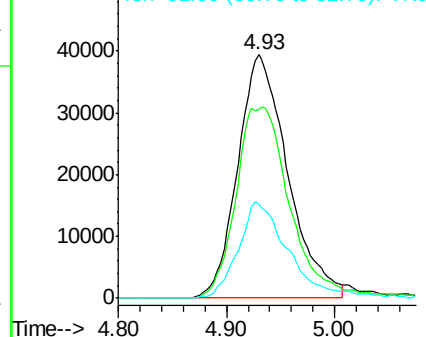
51 38.4 19.4 58.2

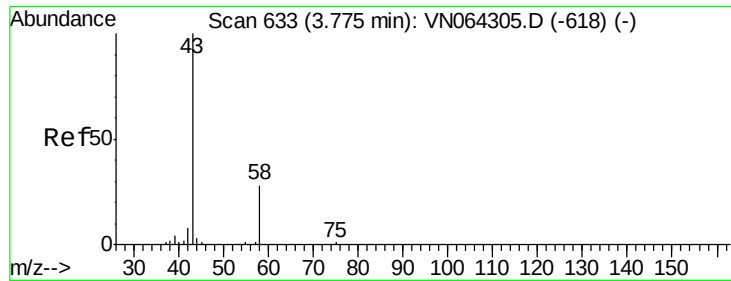


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.332 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 58 Resp: 33104

Ion Ratio Lower Upper

58 100

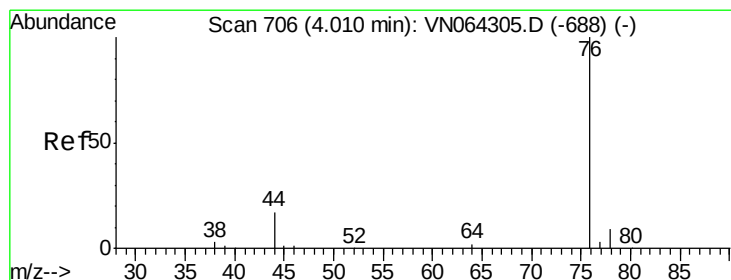
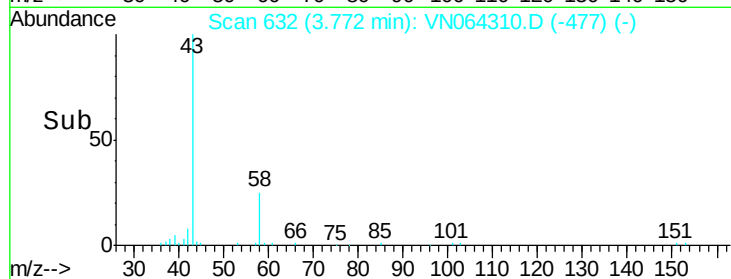
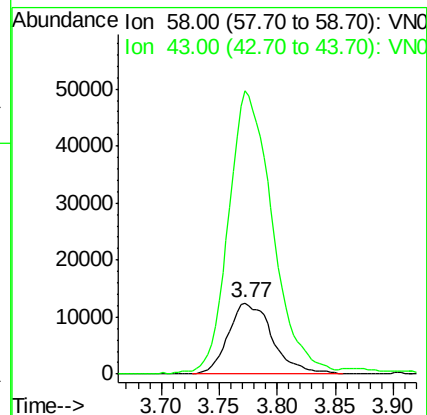
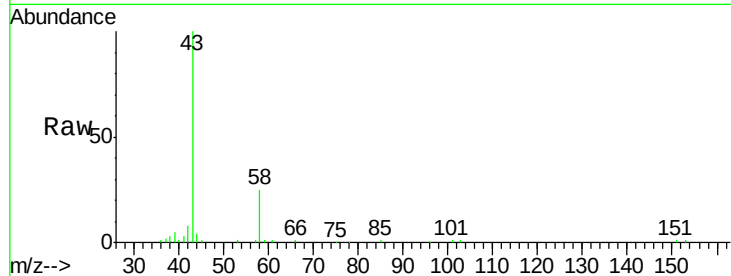
43 393.9 289.9 434.9

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.559 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064310.D

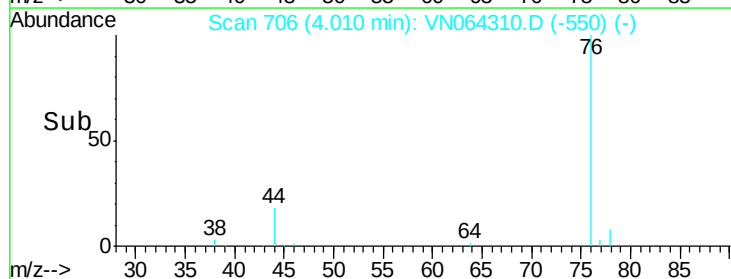
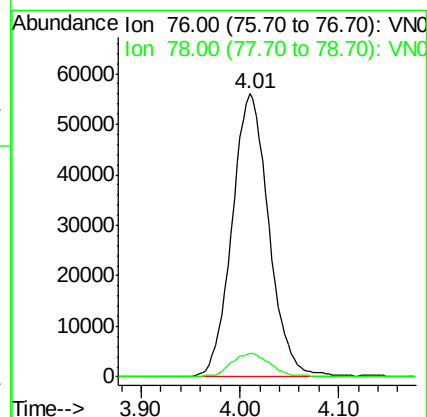
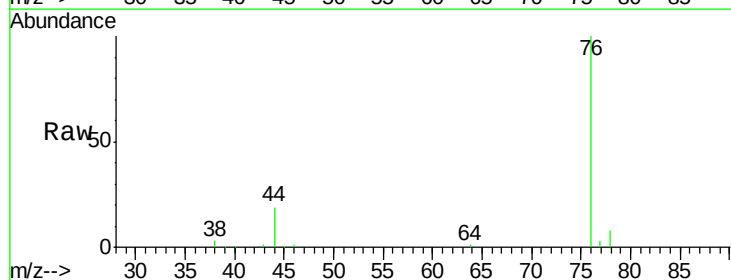
Acq: 26 Oct 2020 18:17

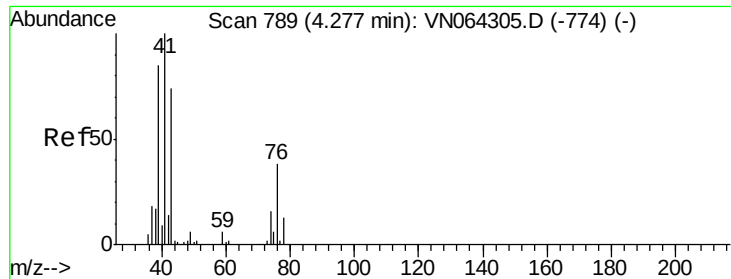
Tgt Ion: 76 Resp: 145758

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.4





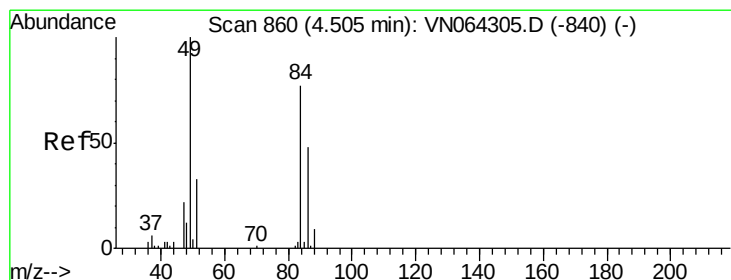
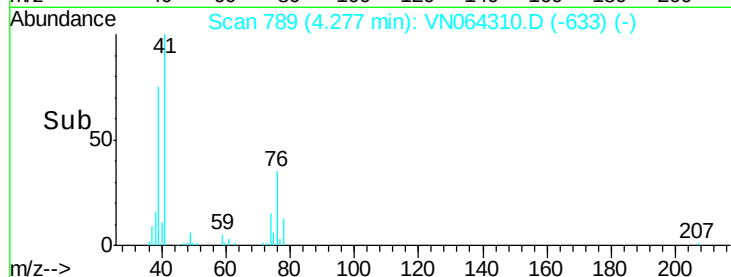
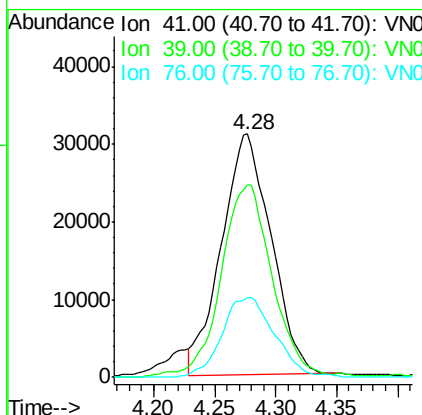
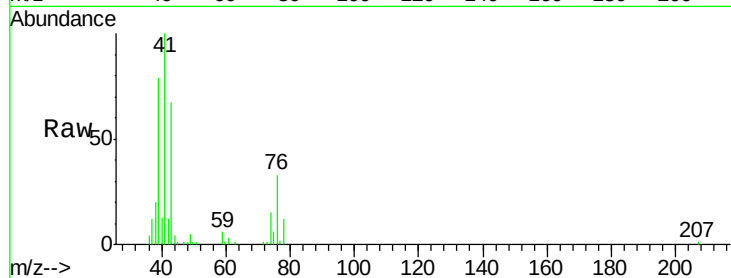
#17
Allvl chloride
Concen: 17.523 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.8	40.3	120.9
76	32.8	17.6	52.9

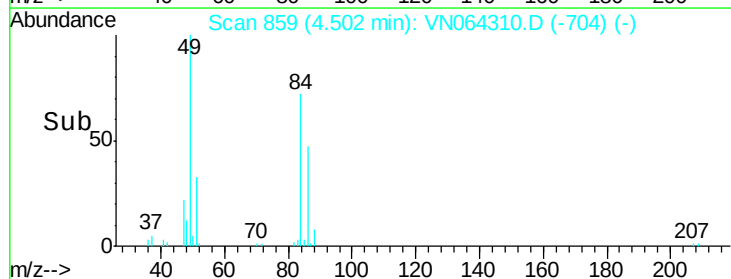
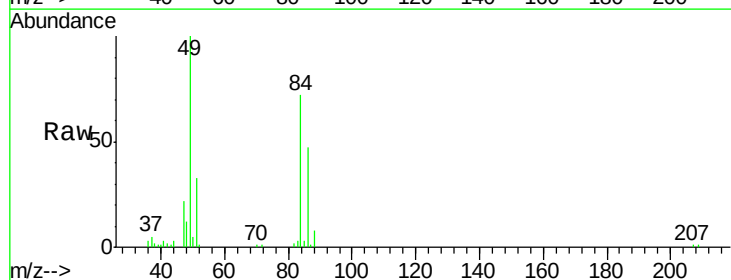
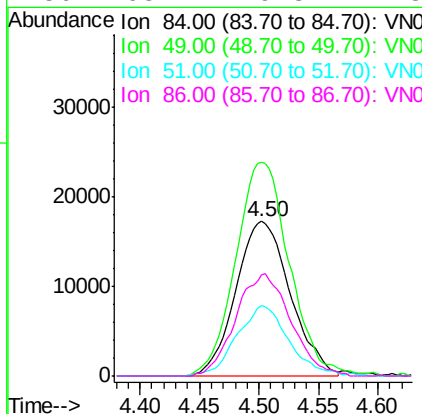
Manual Integrations
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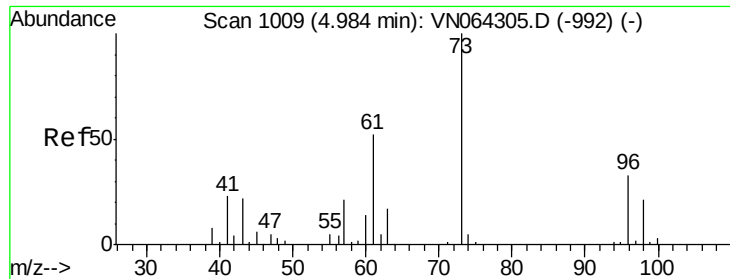
MMDadoda
10/27/2020 2:21:20 PM



#18
Methylene Chloride
Concen: 18.203 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.5	103.1	154.7
51	44.8	33.8	50.8
86	65.7	49.8	74.8





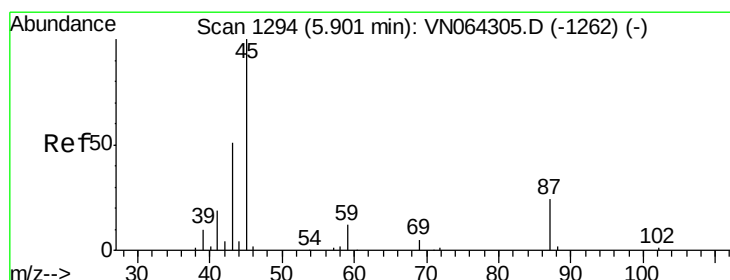
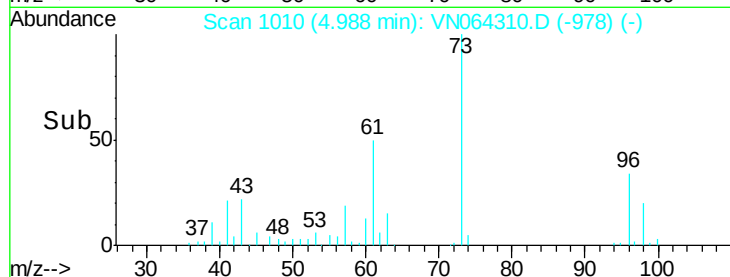
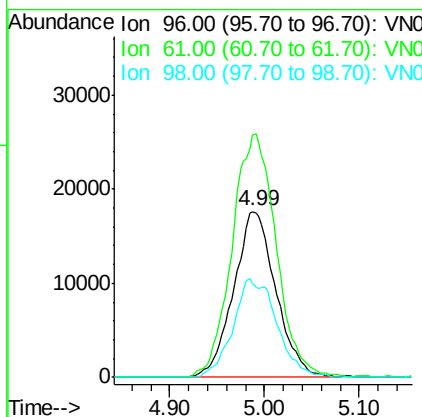
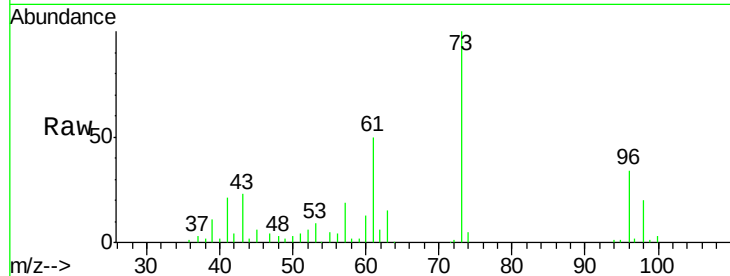
#19
trans-1,2-Dichloroethene
Concen: 18.957 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	145.5	126.9	190.3	
98	56.9	50.6	76.0	

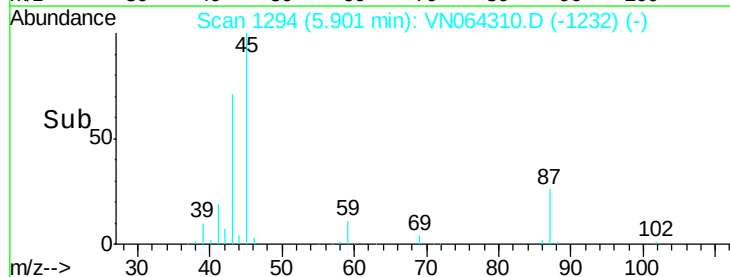
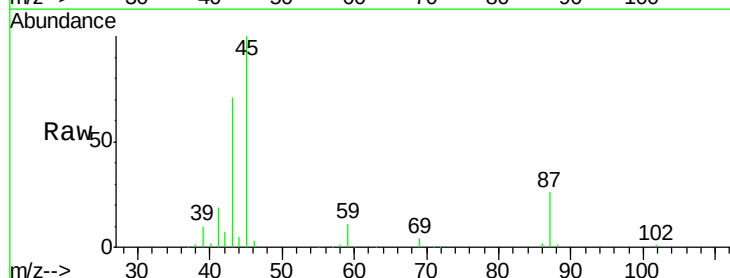
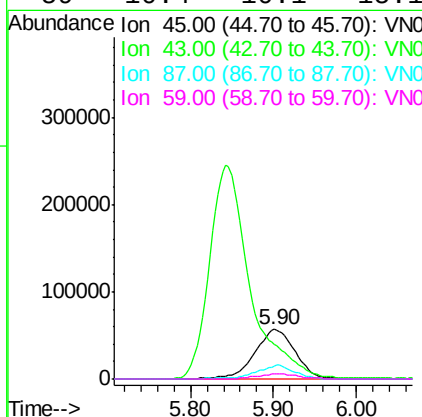
Manual Integrations
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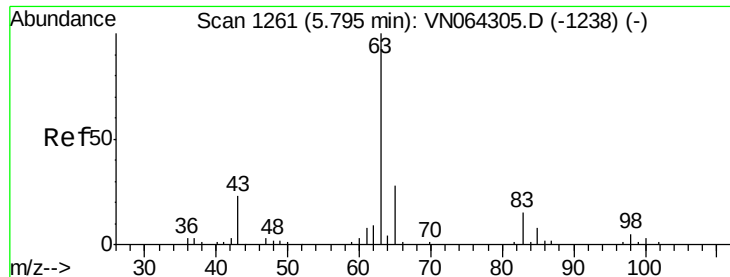
MMDadoda
10/27/2020 2:21:20 PM



#20
Diisopropyl ether
Concen: 18.912 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	67.5	56.6	85.0	
87	26.1	20.3	30.5	
59	10.4	10.1	15.1	





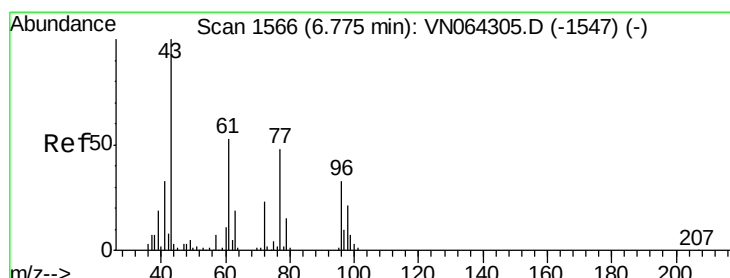
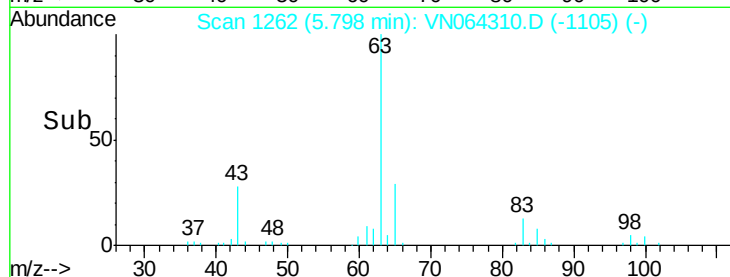
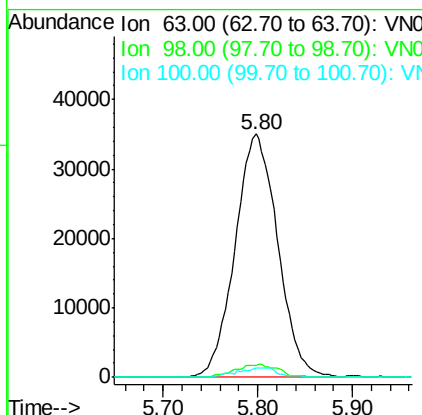
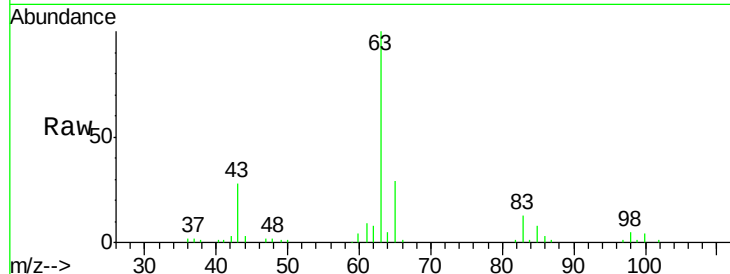
#21
 1,1-Dichloroethane
 Concen: 19.248 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.0	2.6	8.0
100	3.7	1.6	4.8

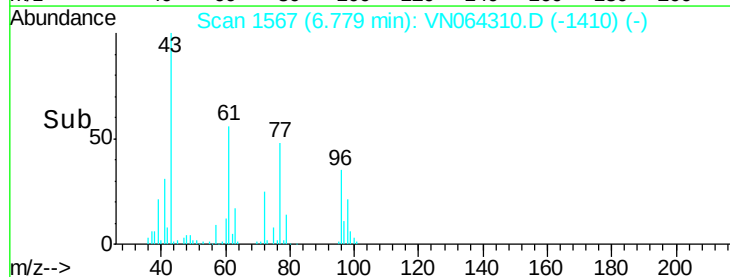
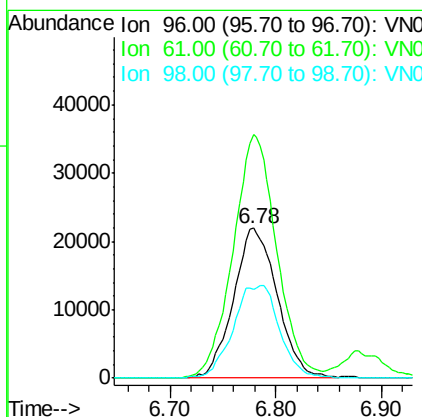
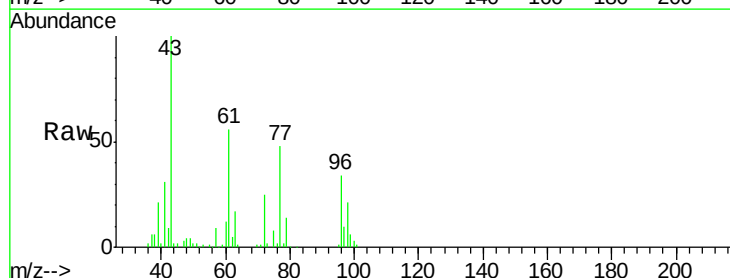
Manual Integrations
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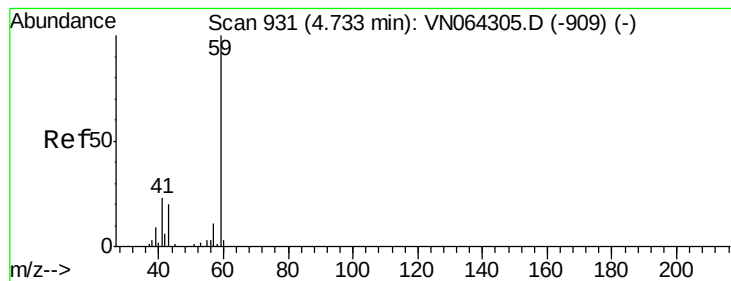
MMDadoda
 10/27/2020 2:21:20 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.071 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	162.0	133.0	199.6
98	29.7	51.6	77.4#





#23

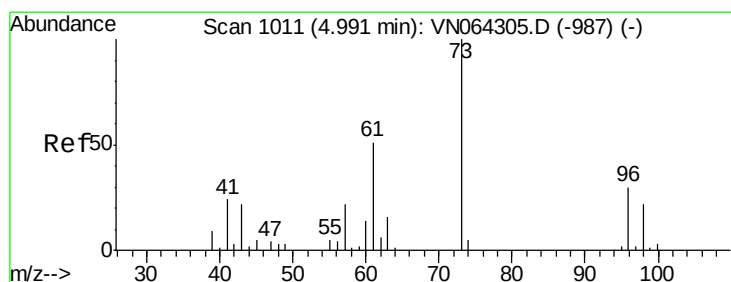
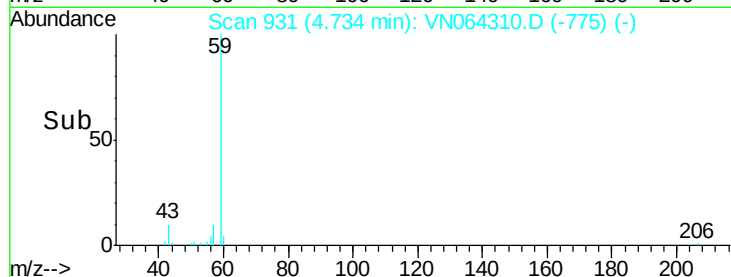
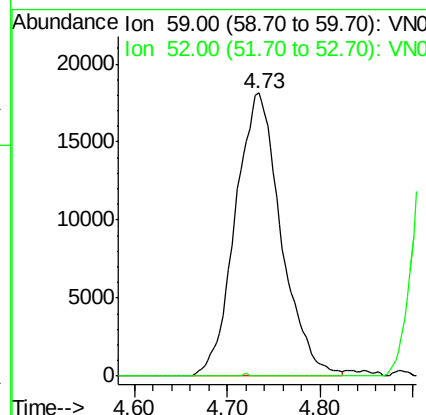
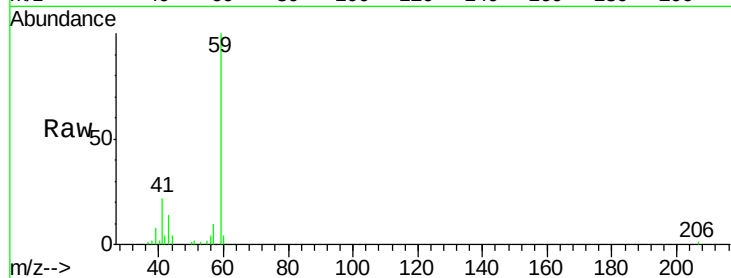
tert-Butyl Alcohol
Concen: 98.888 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion: 59 Resp: 62020
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

Manual Integrations
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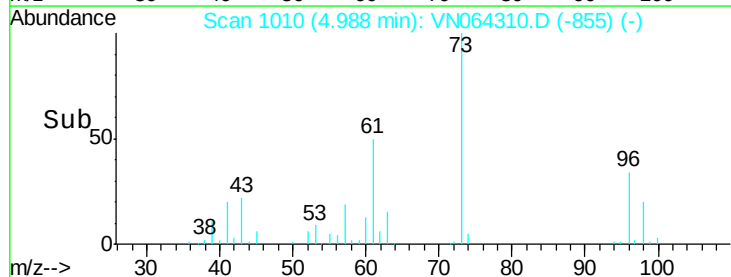
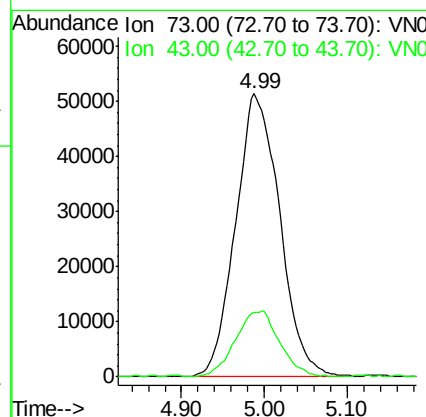
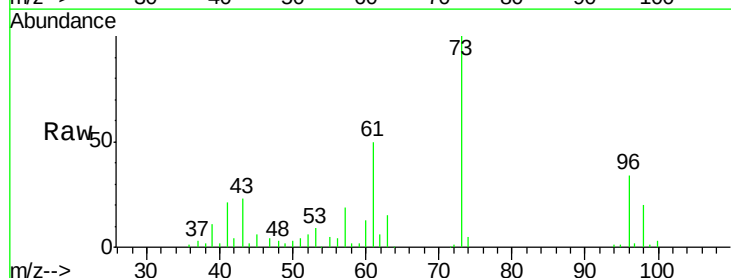
MMDadoda
10/27/2020 2:21:20 PM

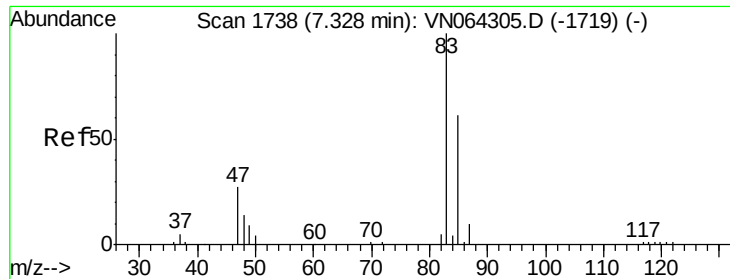


#24

Methyl tert-Butyl Ether
Concen: 19.044 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion: 73 Resp: 190330
Ion Ratio Lower Upper
73 100
43 22.7 19.4 29.2





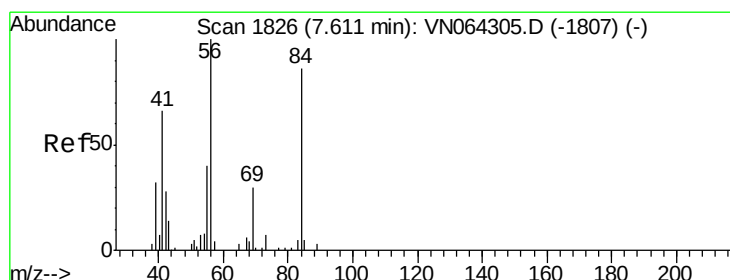
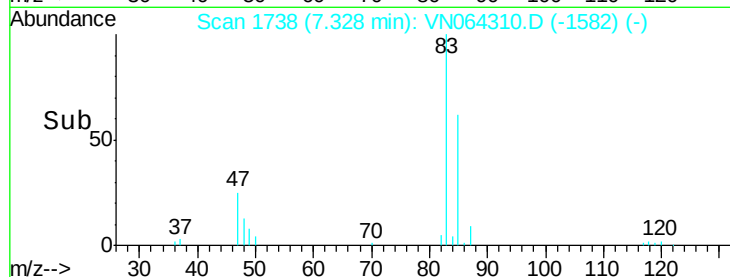
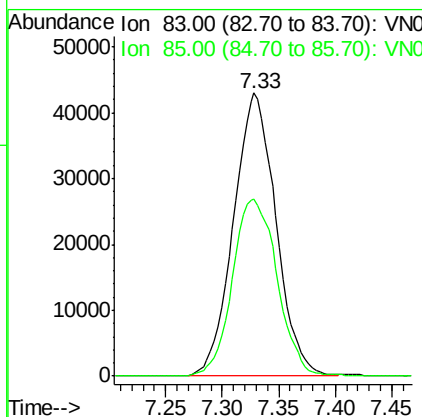
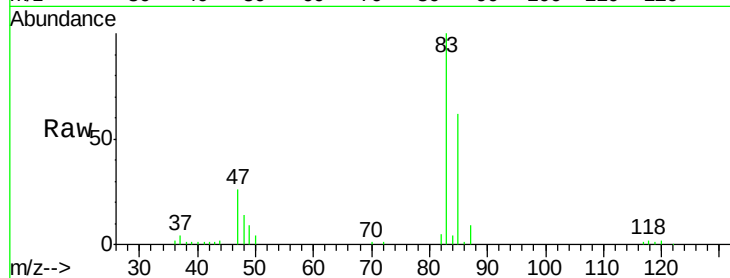
#25
Chloroform
Concen: 19.104 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	83	Resp	112254
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	48.6	73.0

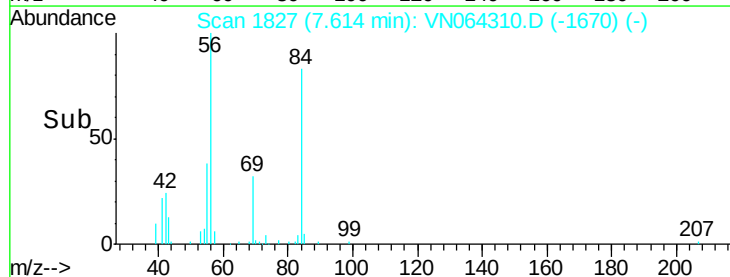
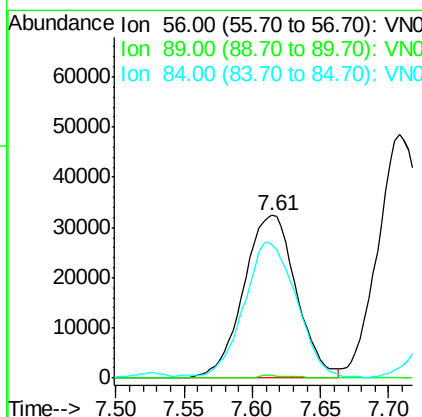
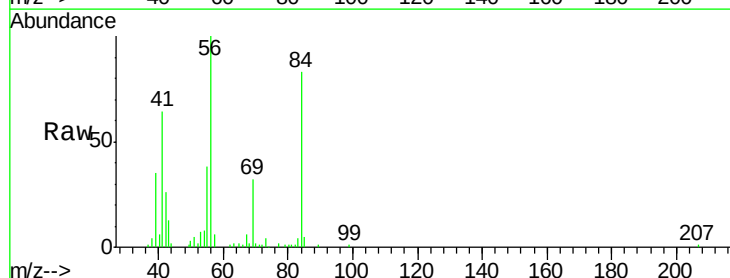
Manual Integrations
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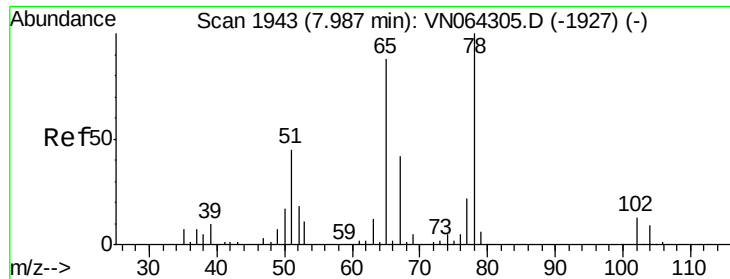
MMDadoda
10/27/2020 2:21:20 PM



#26
Cyclohexane
Concen: 18.656 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	56	Resp	87047
Ion Ratio	100	Lower	Upper
56	100		
89	0.7	1.0	1.6#
84	83.5	67.5	101.3





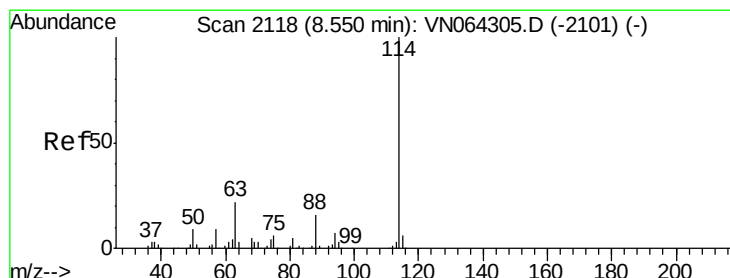
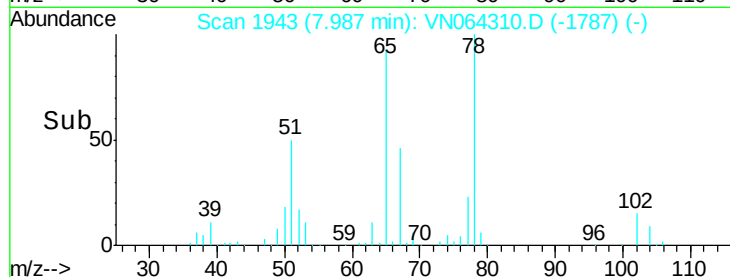
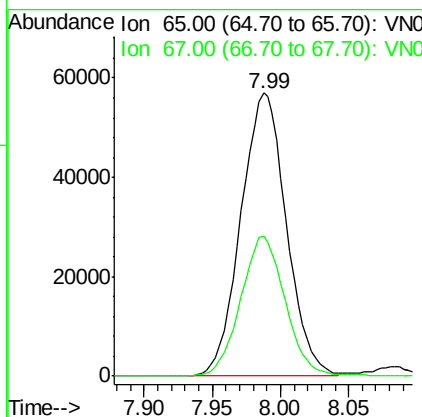
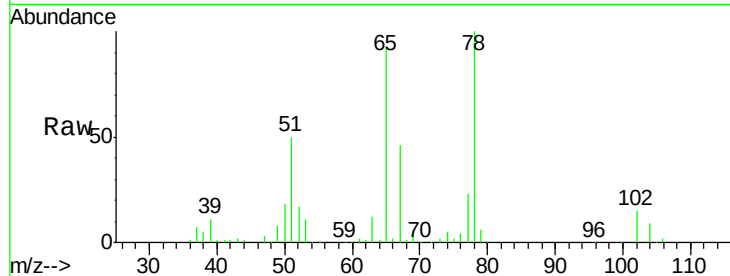
#27
 1,2-Dichloroethane-d4
 Concen: 31.113 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.2	38.5	57.7

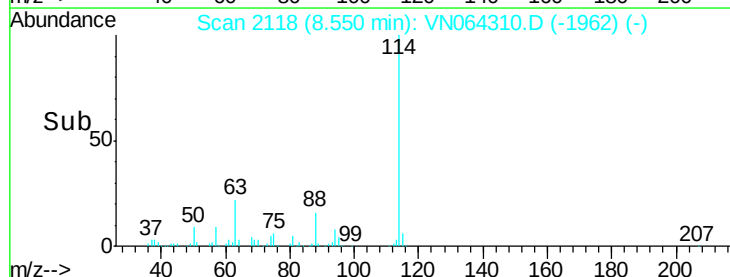
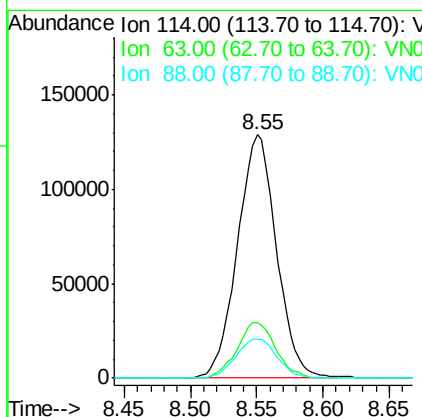
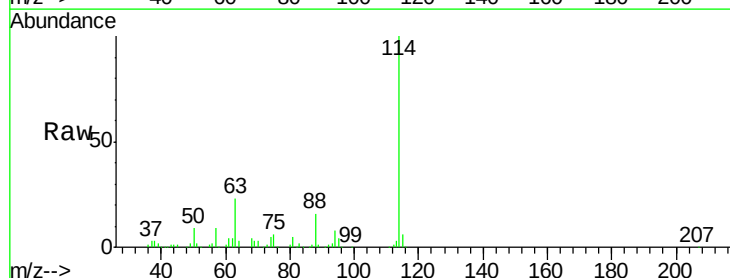
Manual Integrations
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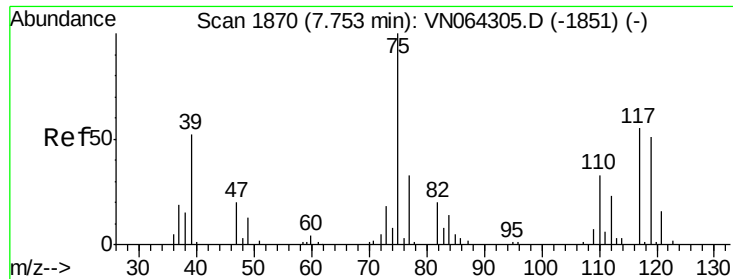
MMDadoda
 10/27/2020 2:21:20 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.3	27.5
88	16.9	13.2	19.8





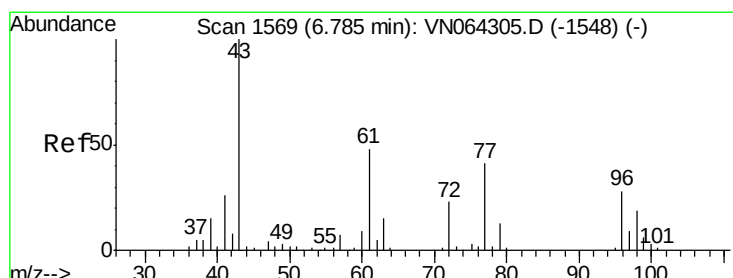
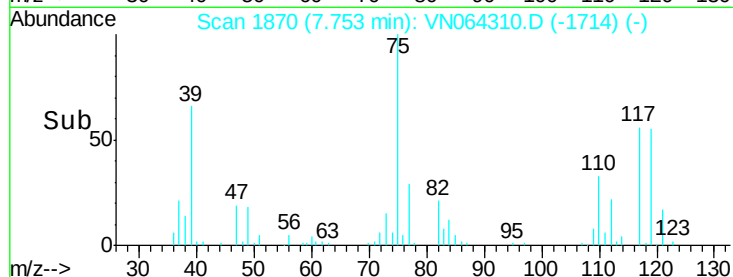
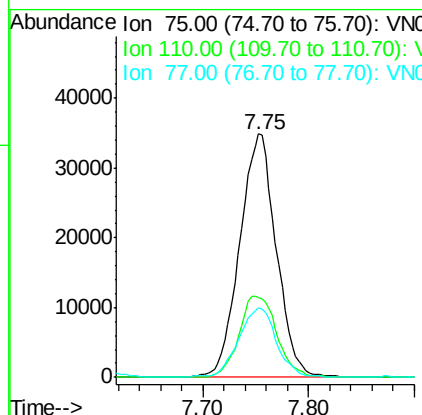
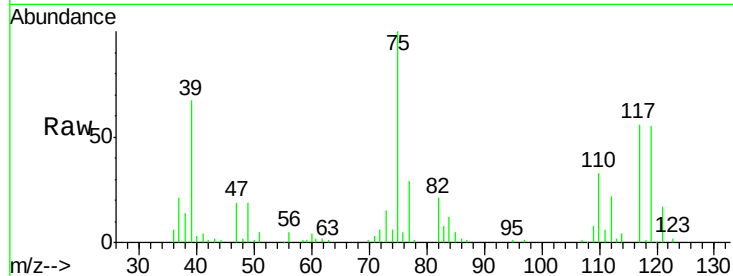
#29
 1,1-Dichloropropene
 Concen: 18.477 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	0.0	64.4	
77	28.2	0.0	63.6	

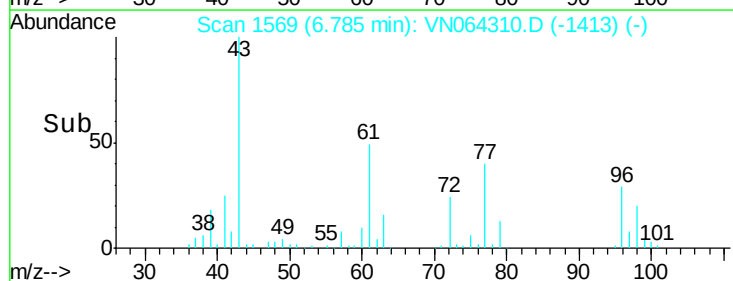
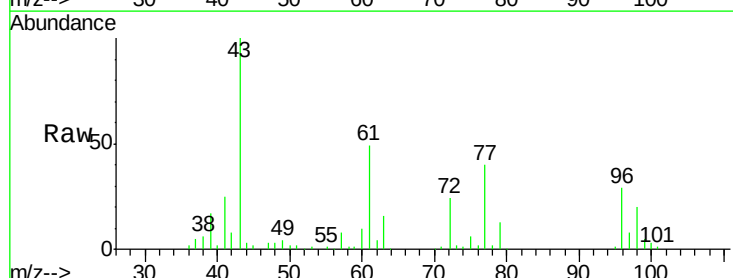
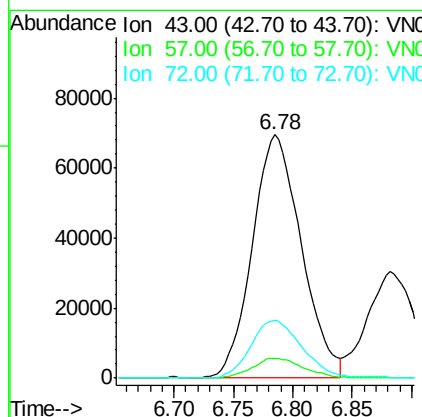
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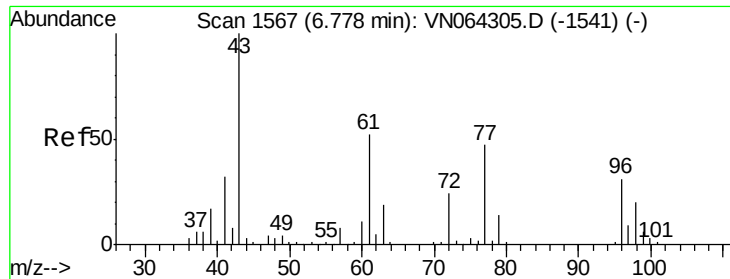
MMDadoda
 10/27/2020 2:21:20 PM



#30
 2-Butanone
 Concen: 92.880 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	4.0	4.1	6.1	
72	24.7	19.0	28.6	





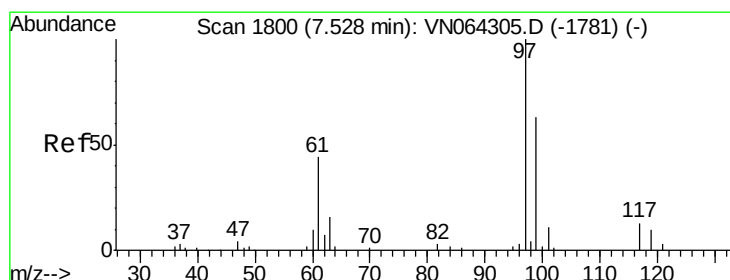
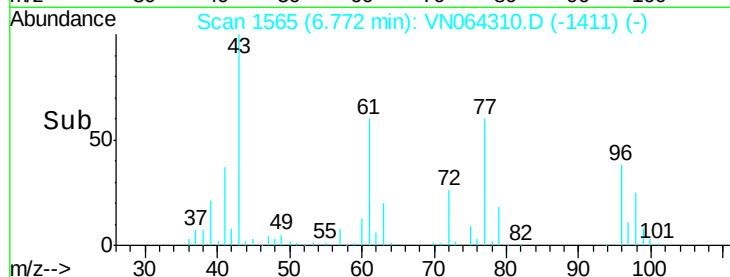
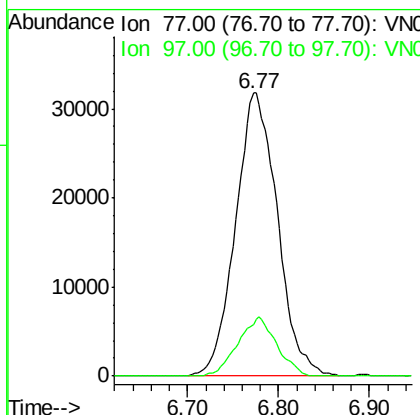
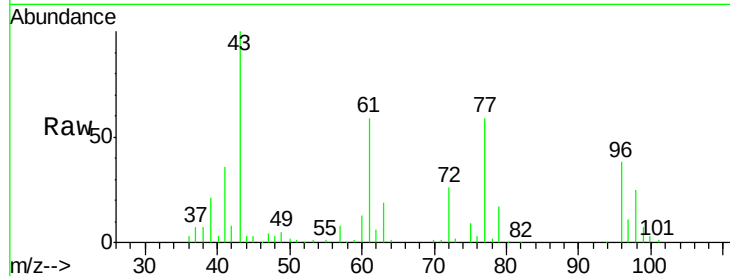
#31
 2,2-Dichloropropane
 Concen: 18.619 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion: 77 Resp: 101565
 Ion Ratio Lower Upper
 77 100
 97 19.3 5.8 8.8#

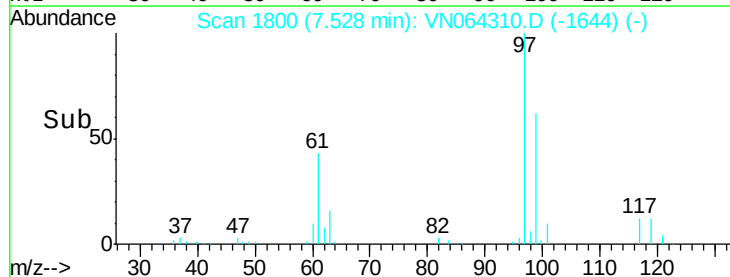
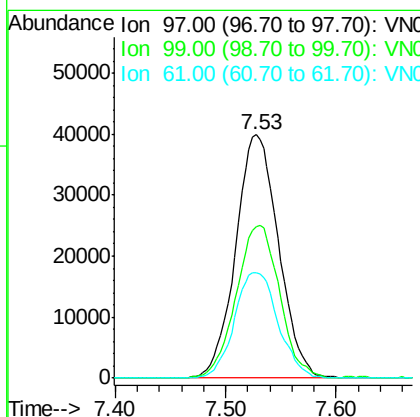
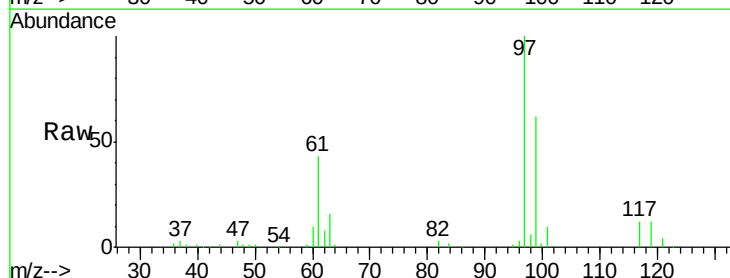
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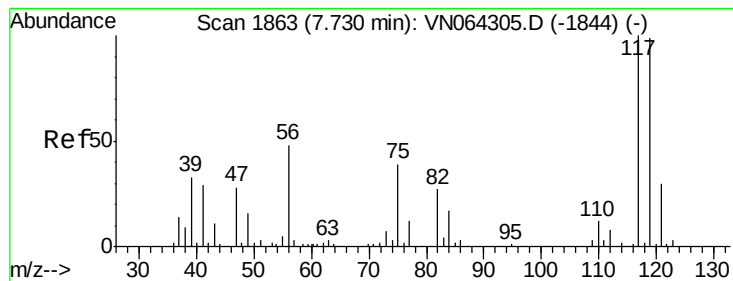
MMDadoda
 10/27/2020 2:21:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.922 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion: 97 Resp: 107558
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 44.1 36.4 54.6





#33

Carbon Tetrachloride

Concen: 18.301 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

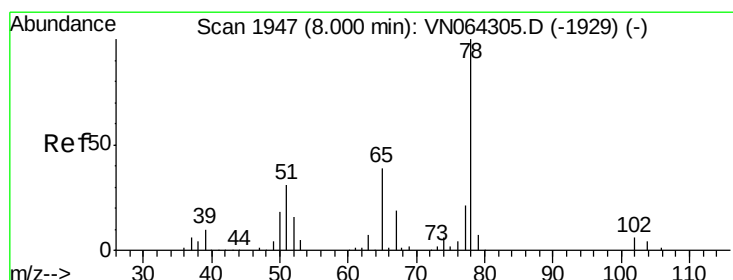
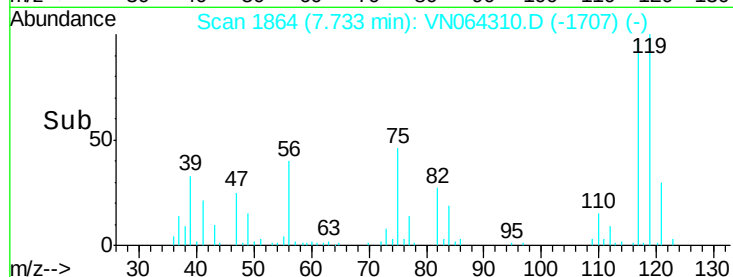
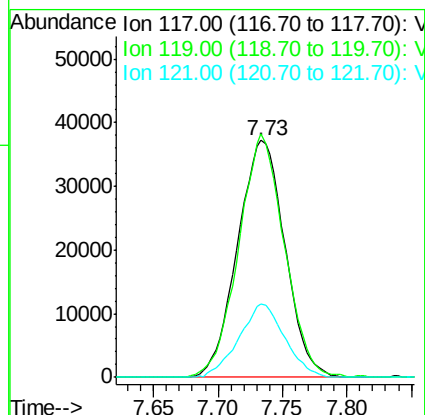
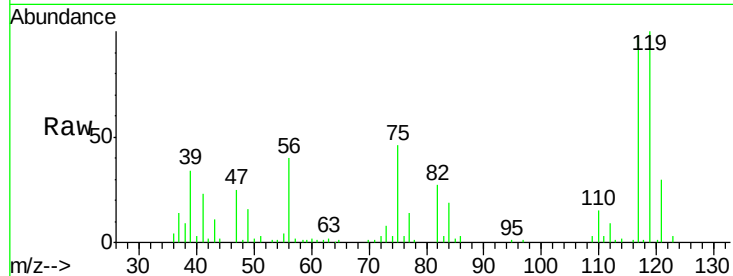
ClientSampleId :

ICVFN102620

Tot Ion:	117	Resp:	95187
Ion Ratio	Lower	Upper	
117	100		
119	102.2	79.3	118.9
121	31.2	24.6	37.0

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#34

Benzene

Concen: 18.609 ug/l

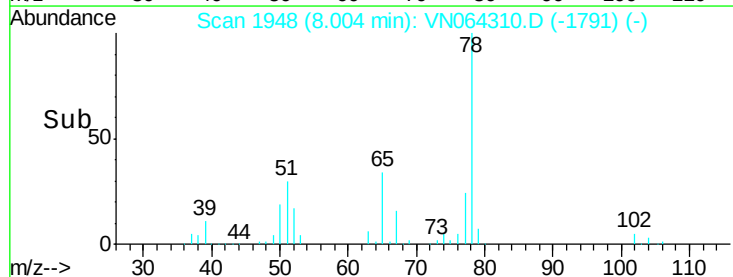
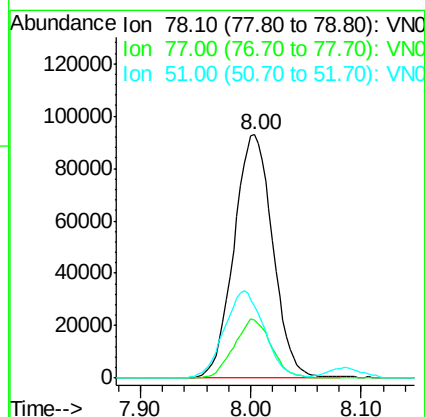
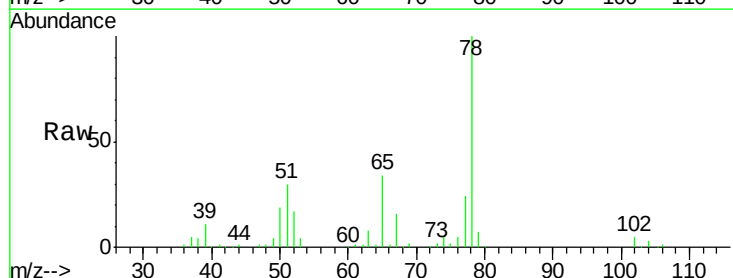
RT: 8.00 min Scan# 1948

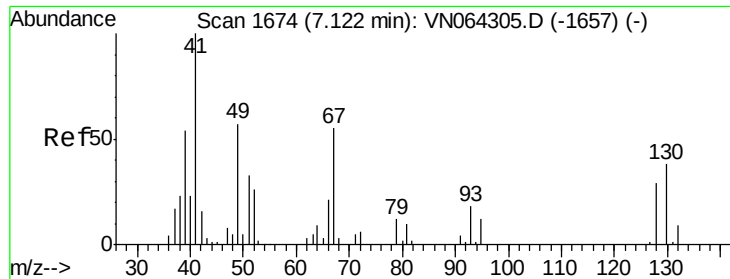
Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	78	Resp:	226784
Ion Ratio	Lower	Upper	
78	100		
77	23.7	16.5	24.7
51	29.1	24.5	36.7





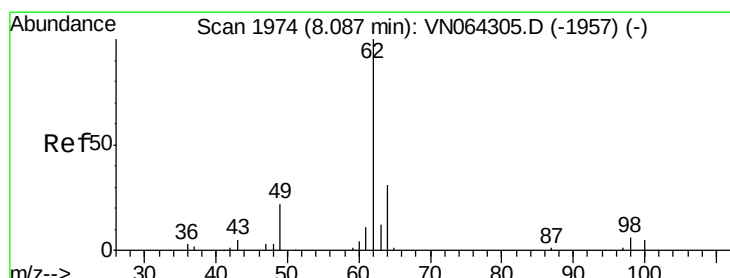
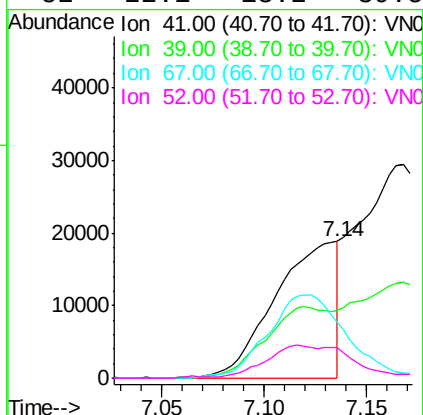
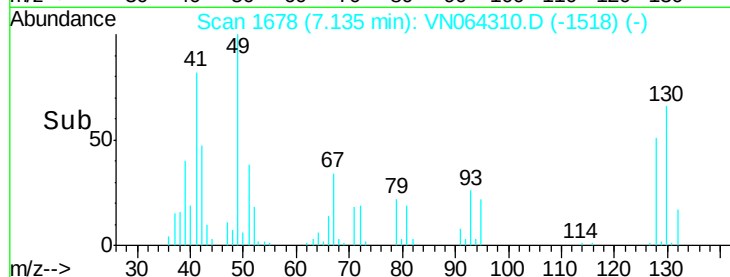
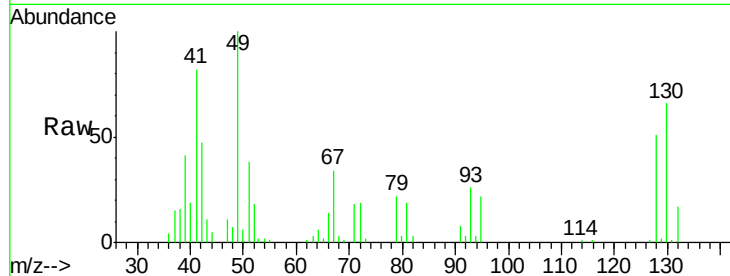
#35
Methacrylonitrile
Concen: 17.913 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.4	27.1	81.2	
67	41.0	27.7	83.1	
52	22.1	13.2	39.5	

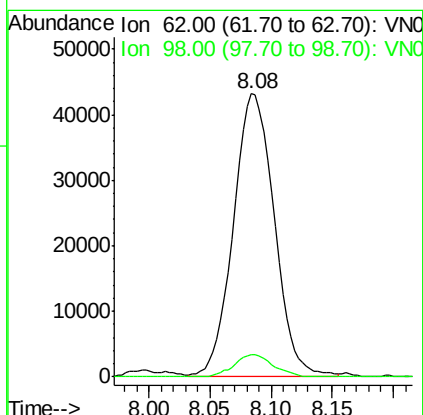
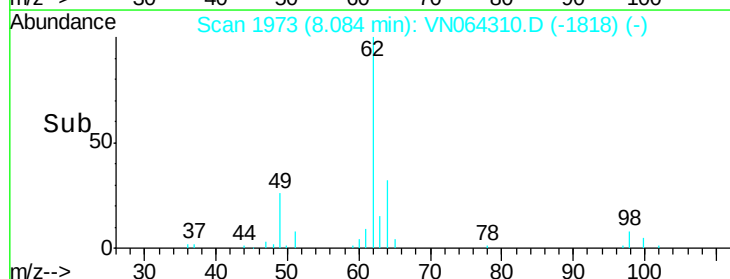
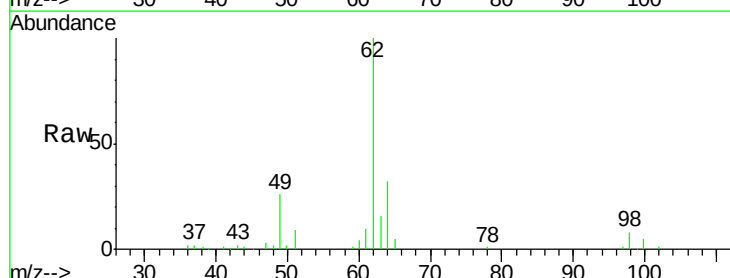
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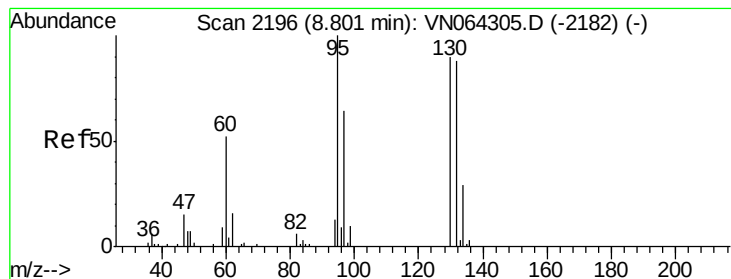
MMDadoda
10/27/2020 2:21:20 PM



#36
1,2-Dichloroethane
Concen: 18.622 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	3.4	5.0#	





#37

Trichloroethene

Concen: 18.740 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102620

Tot Ion:130 Resp: 62293

Ion Ratio Lower Upper

130 100

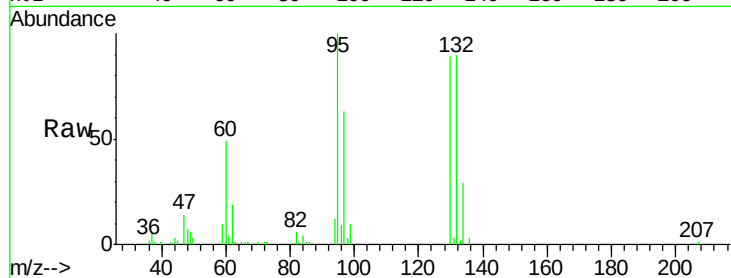
95 112.4 88.8 133.2

Manual Integrations

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10/27/2020 2:21:20 PM



Abundance Ion 129.90 (129.60 to 130.60): VN064310.D (-2040) (-)

Ion 94.90 (94.60 to 95.60): VN064310.D (-2040) (-)

30000

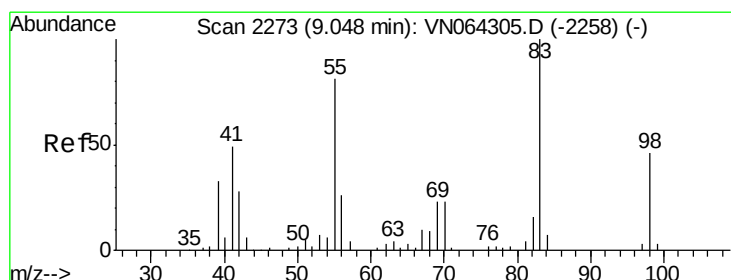
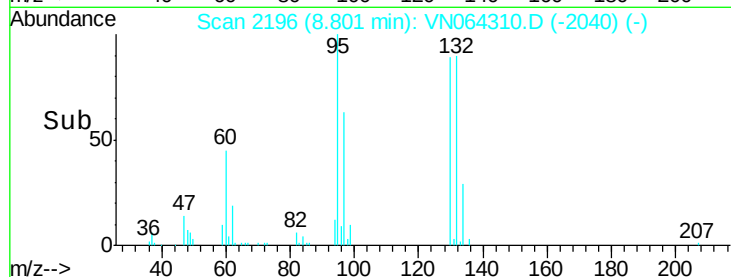
20000

10000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 18.392 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

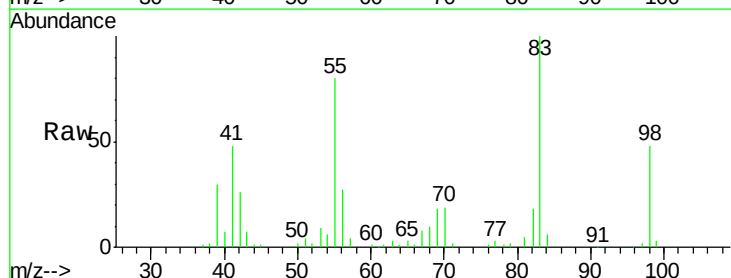
Tgt Ion: 83 Resp: 80705

Ion Ratio Lower Upper

83 100

55 79.4 40.3 120.8

98 47.3 22.8 68.3



Abundance Ion 83.00 (82.70 to 83.70): VN064310.D (-2117) (-)

Ion 55.00 (54.70 to 55.70): VN064310.D (-2117) (-)

Ion 98.00 (97.70 to 98.70): VN064310.D (-2117) (-)

50000

40000

30000

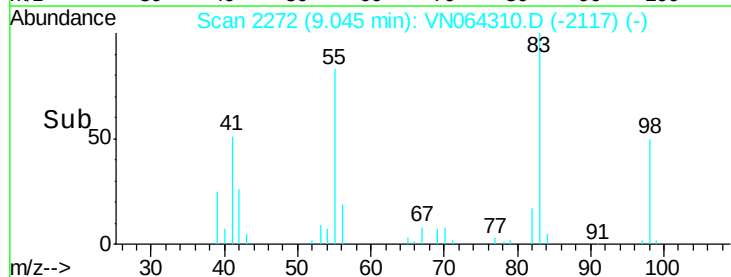
20000

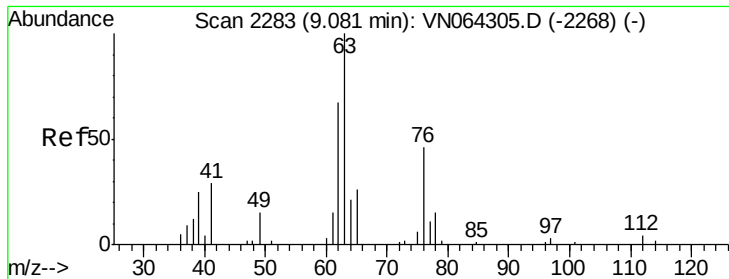
10000

0

9.00 9.05 9.10

Time-->





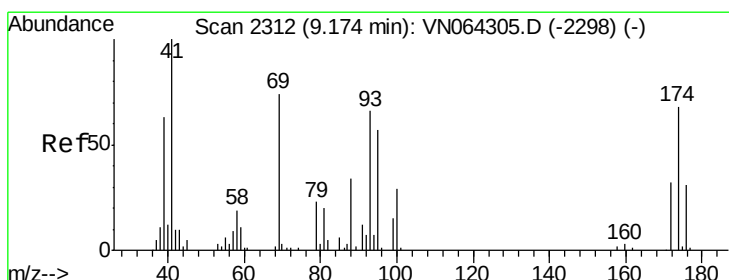
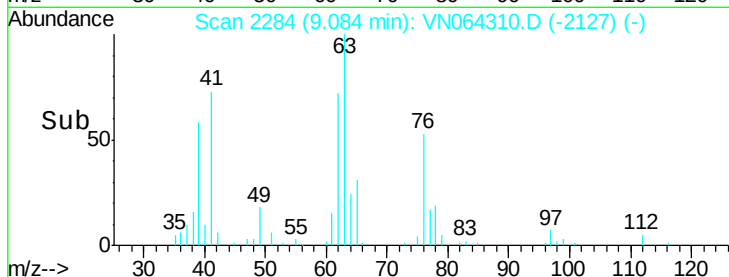
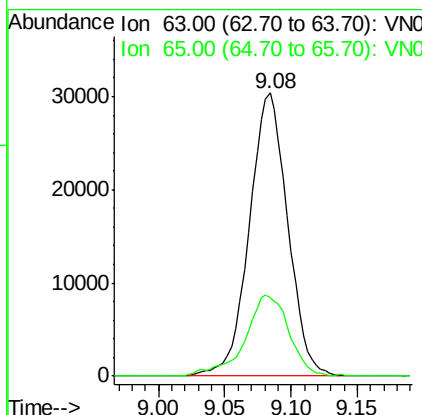
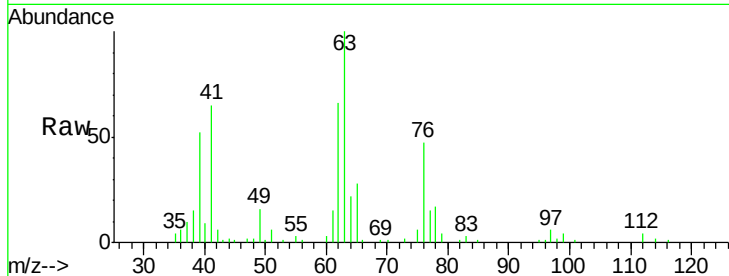
#39
 1,2-Dichloropropane
 Concen: 18.573 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion: 63 Resp: 61106
 Ion Ratio Lower Upper
 63 100
 65 27.1 22.6 33.8

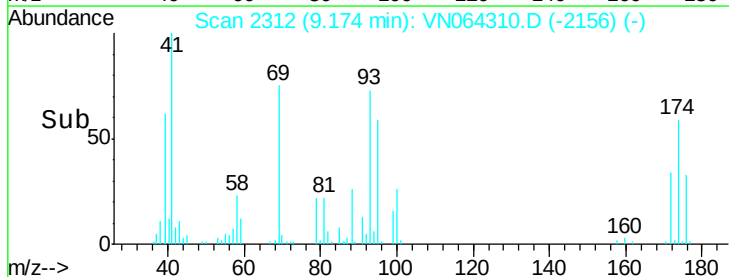
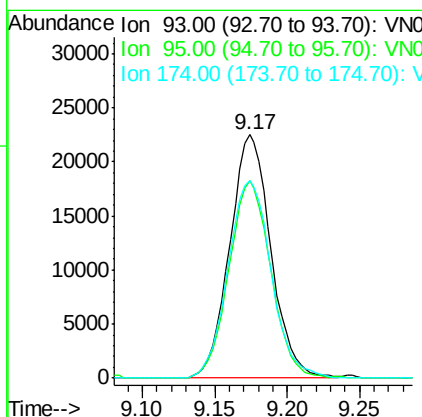
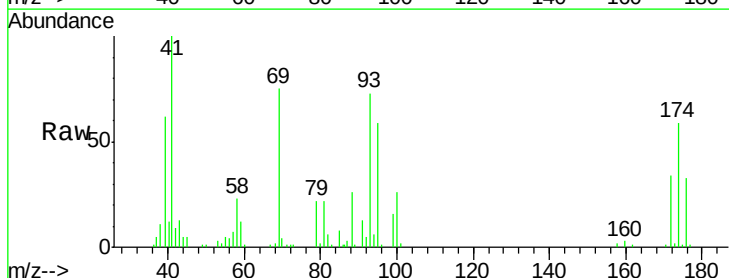
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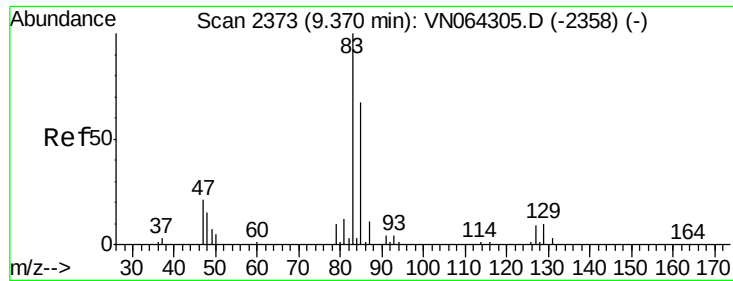
MMDadoda
 10/27/2020 2:21:20 PM



#40
 Dibromomethane
 Concen: 19.466 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion: 93 Resp: 44453
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 174.4
 174 85.4 0.0 188.0





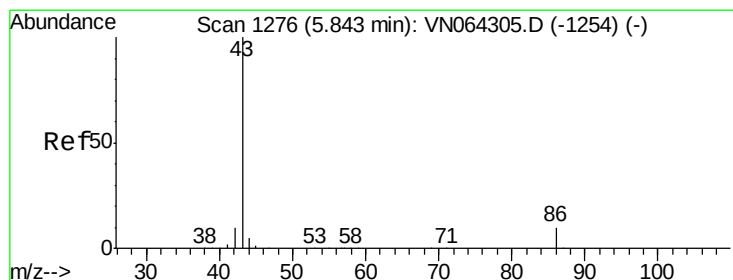
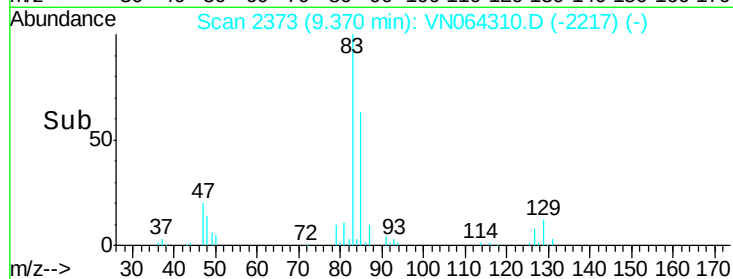
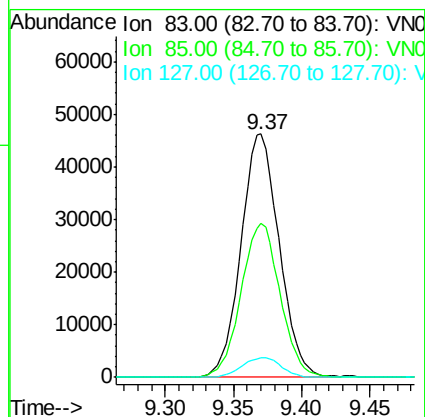
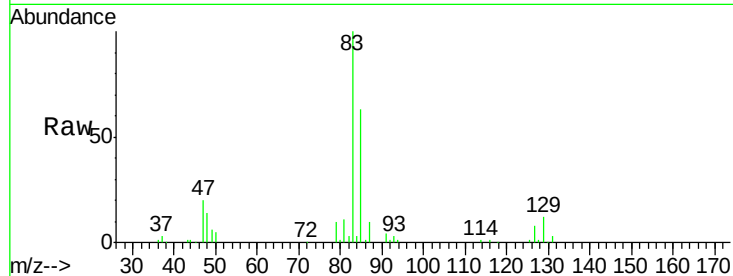
#41
Bromodichloromethane
Concen: 18.272 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	83	Resp	90119
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	53.4	80.0
127	9.3	7.0	10.4

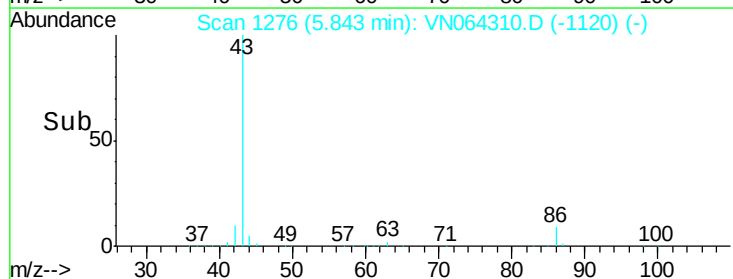
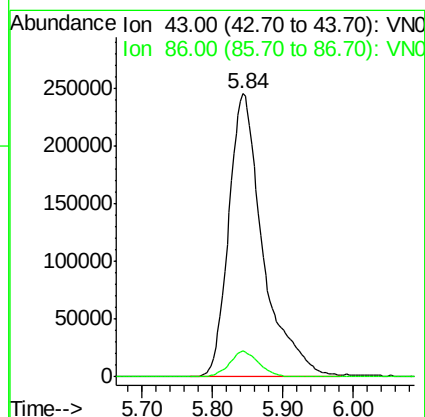
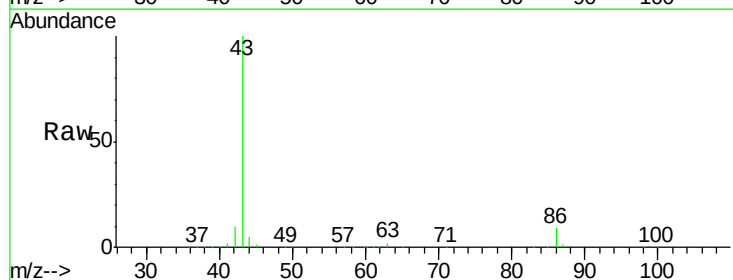
Manual Integrations
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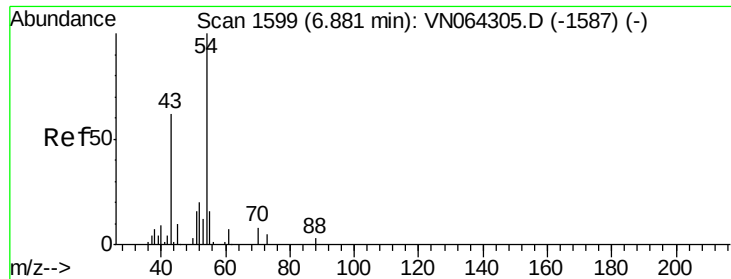
MMDadoda
10/27/2020 2:21:20 PM



#42
Vinyl Acetate
Concen: 91.048 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	43	Resp	832483
Ion Ratio	100	Lower	Upper
43	100		
86	7.8	6.6	9.8





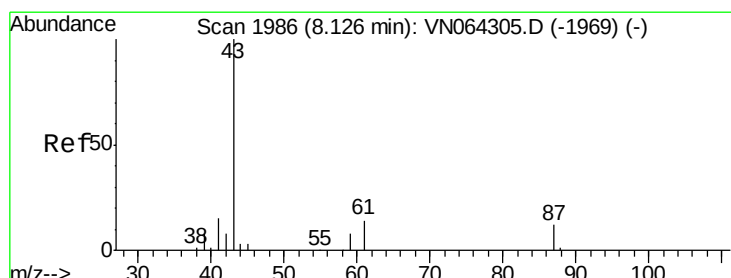
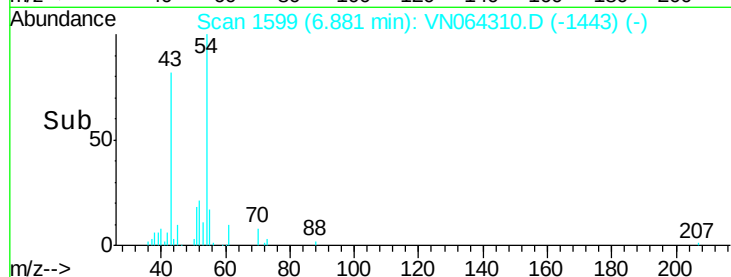
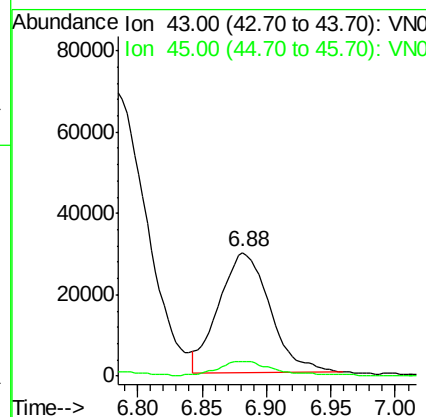
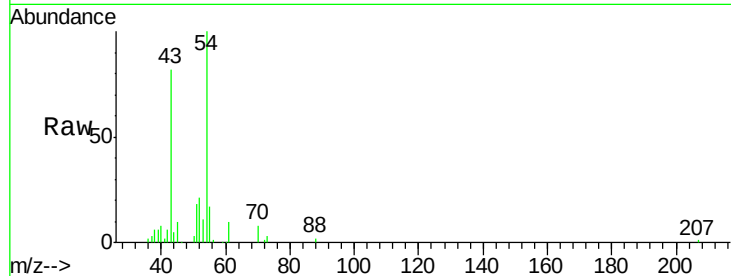
#43
Ethyl Acetate
Concen: 18.799 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion: 43 Resp: 81992
Ion Ratio Lower Upper
43 100
45 11.2 4.0 6.0#

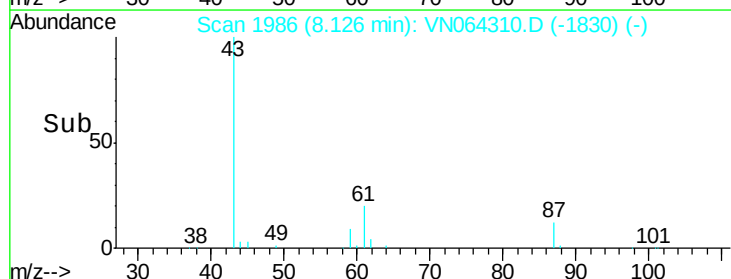
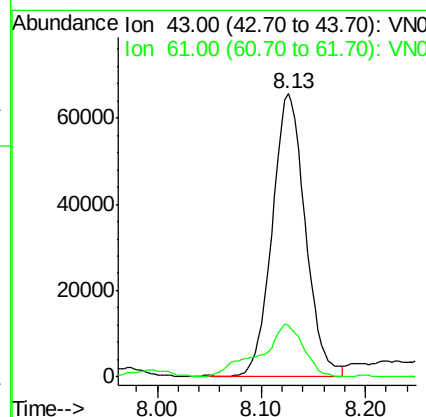
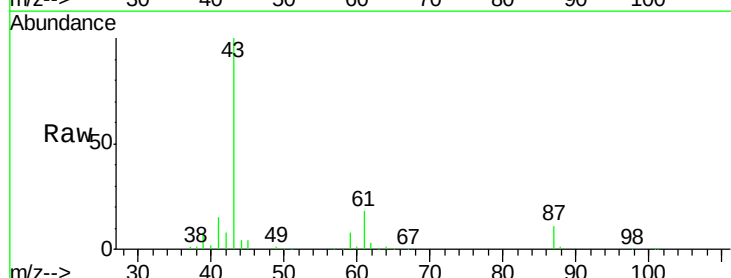
Manual Integrations
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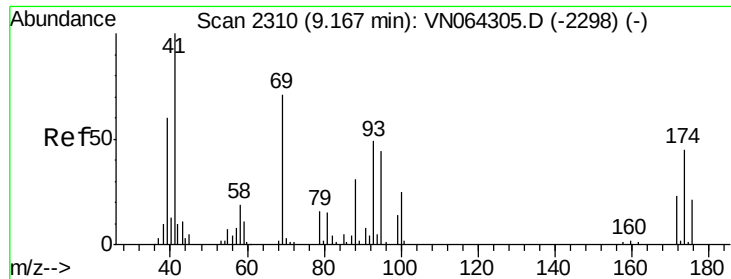
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.135 ug/l m
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion: 43 Resp: 145330
Ion Ratio Lower Upper
43 100
61 0.7 14.3 21.5#





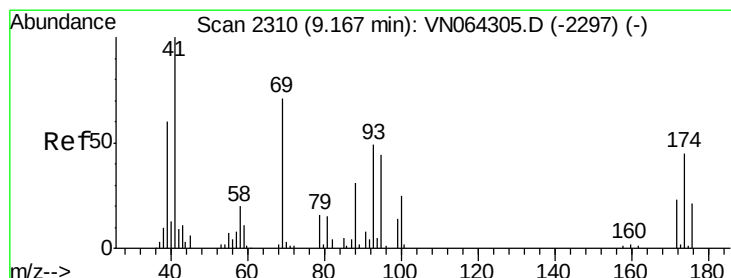
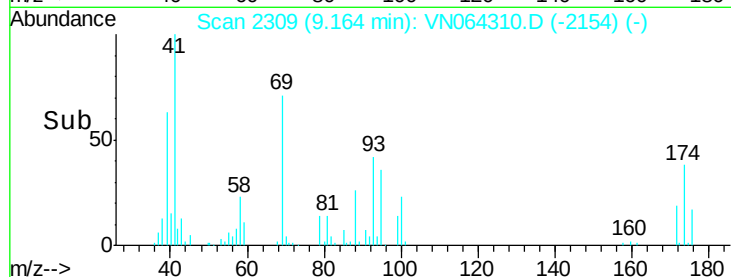
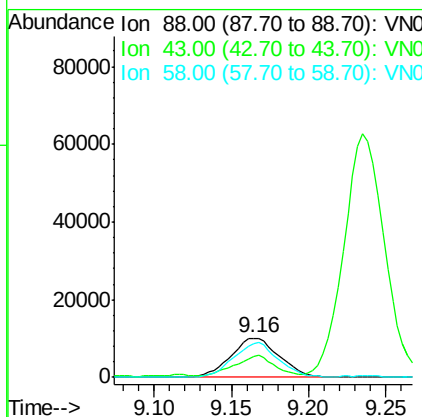
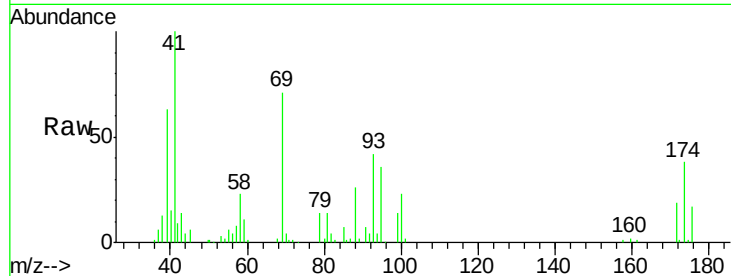
#45
 1,4-Dioxane
 Concen: 354.681 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.1	31.2	46.8
58	81.6	55.4	83.2

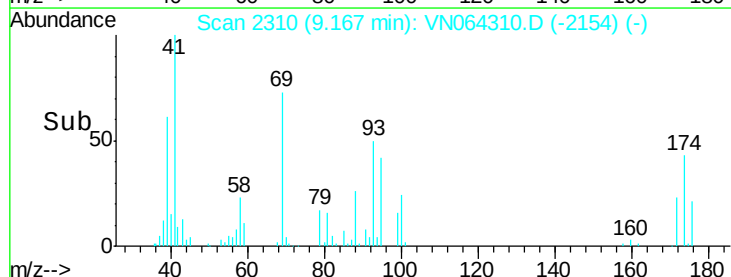
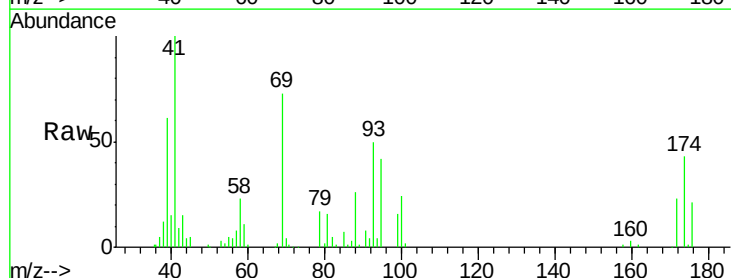
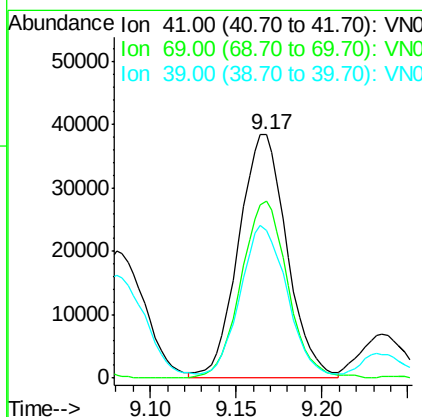
Manual Integrations
 APPROVED

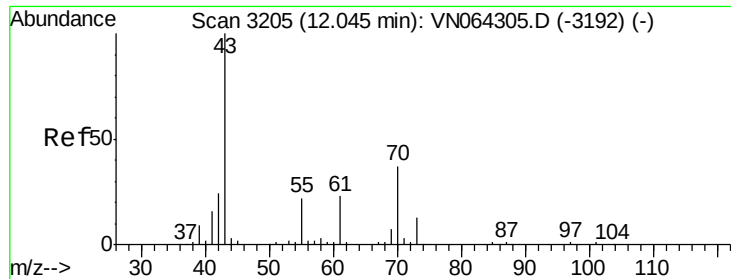
MMDadoda
 10/27/2020 2:21:20 PM



#46
 Methyl methacrylate
 Concen: 19.193 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.4	35.3	105.9
39	60.4	30.2	90.6





#47

n-amvl Acetate

Concen: 17.665 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 43 Resp: 119184

Ion Ratio Lower Upper

43 100

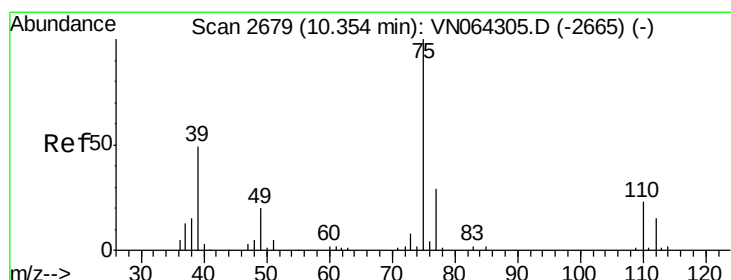
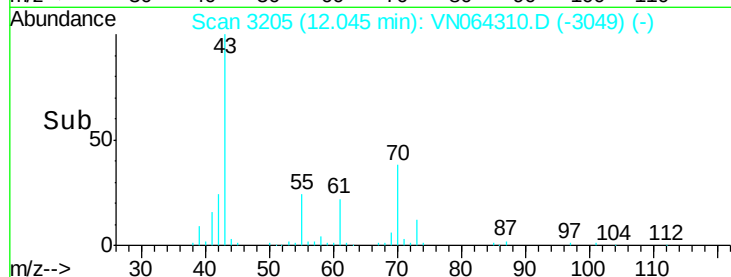
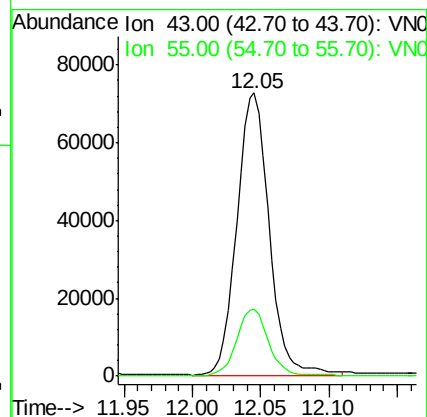
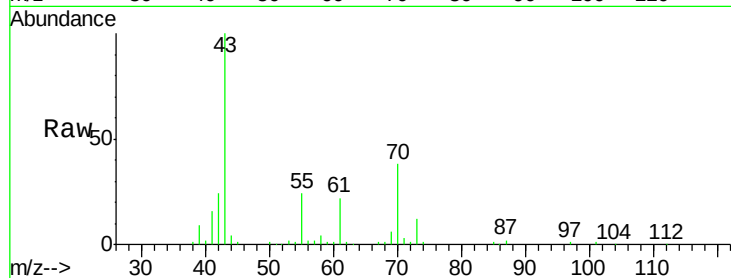
55 23.5 17.3 25.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.182 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064310.D

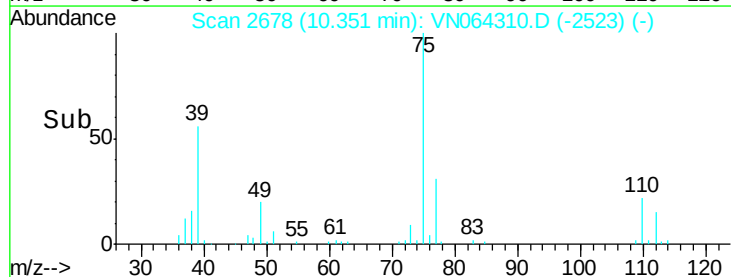
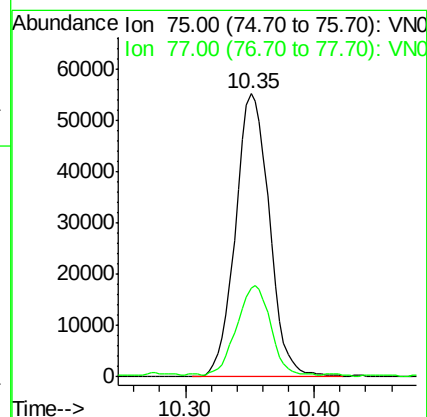
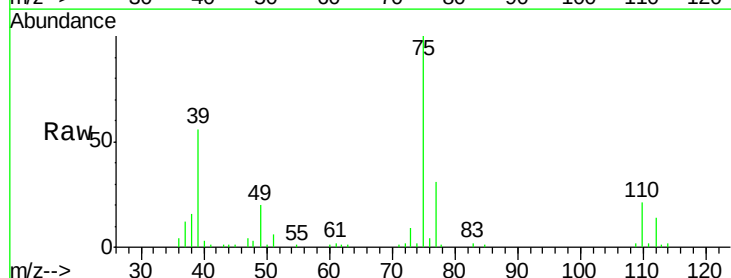
Acq: 26 Oct 2020 18:17

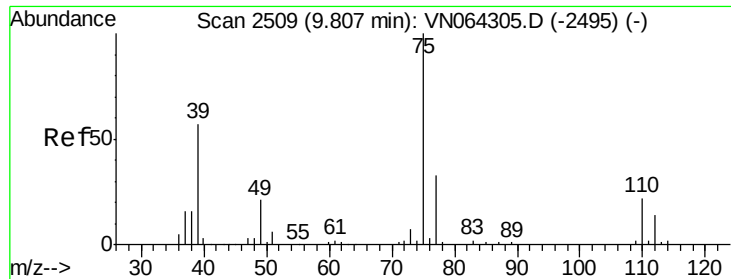
Tgt Ion: 75 Resp: 101147

Ion Ratio Lower Upper

75 100

77 30.7 23.7 35.5





#49

cis-1,3-Dichloropropene

Concen: 17.931 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

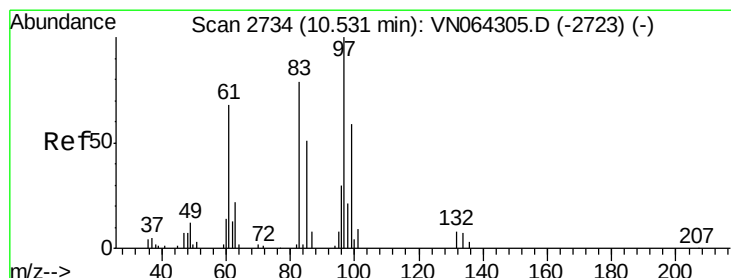
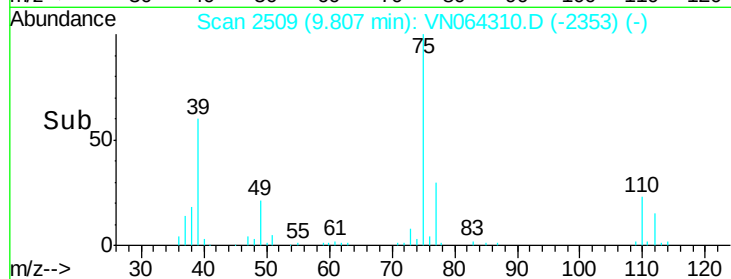
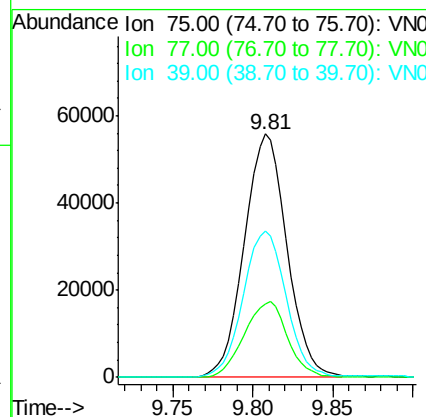
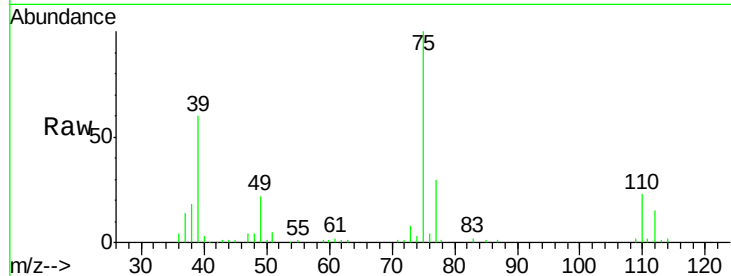
ClientSampleId :

ICVVN102620

Tot Ion:	75	Resp:	101659
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.7	40.1
39	59.7	45.9	68.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 18.163 ug/l

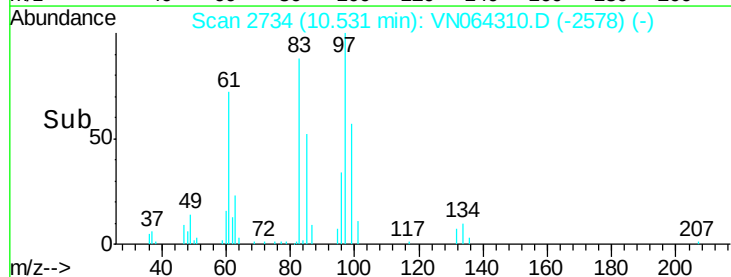
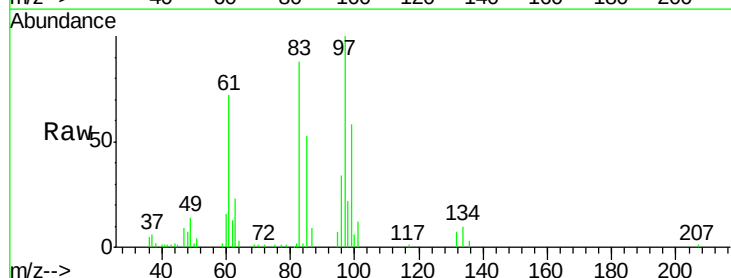
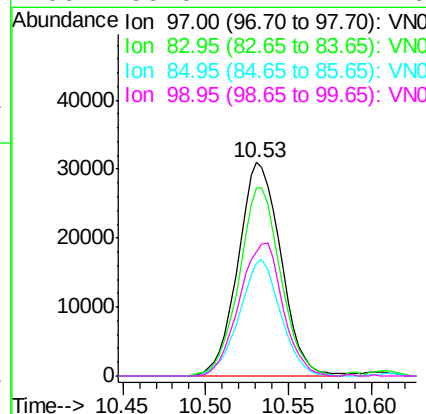
RT: 10.53 min Scan# 2734

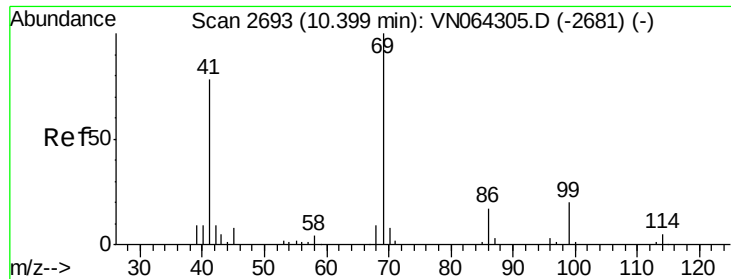
Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	97	Resp:	55686
Ion	Ratio	Lower	Upper
97	100		
83	87.9	63.2	94.8
85	53.0	41.0	61.6
99	58.3	47.4	71.0





#51

Ethyl methacrylate

Concen: 17.859 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

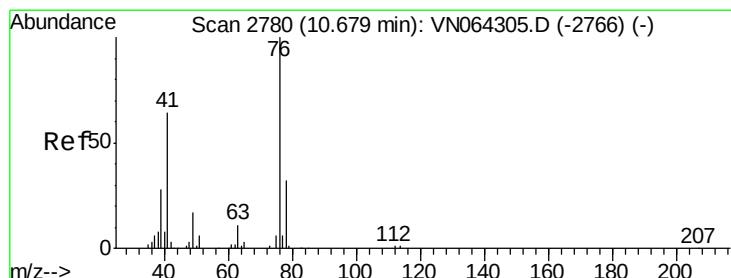
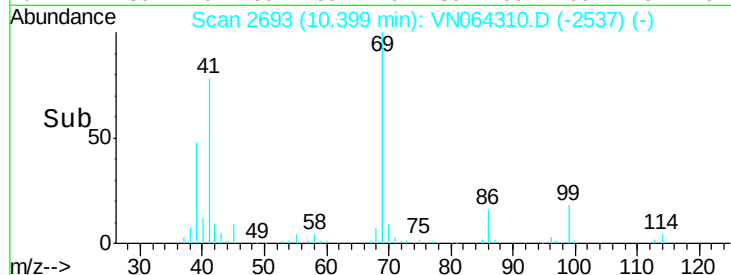
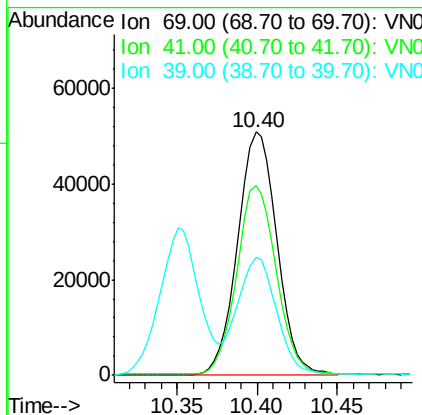
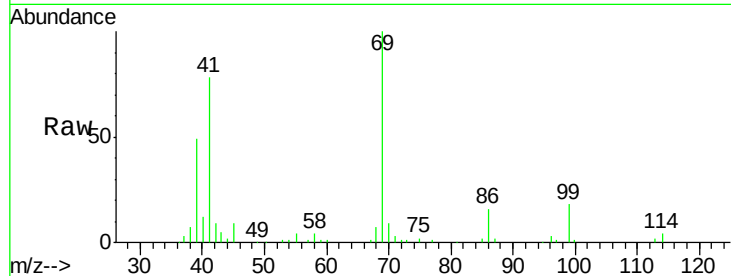
ClientSampleId :

ICVVN102620

Tot Ion:	69	Resp:	85494
Ion	Ratio	Lower	Upper
69	100		
41	77.7	38.8	116.4
39	47.7	24.6	74.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.570 ug/l

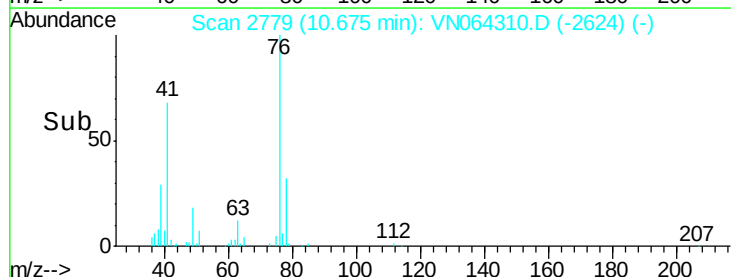
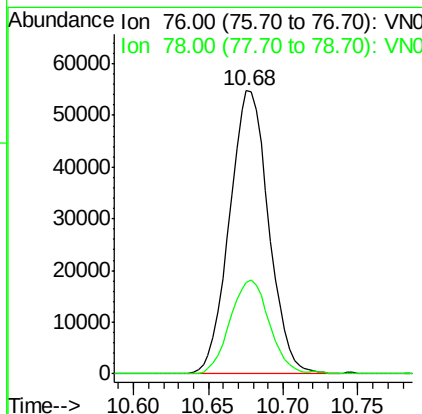
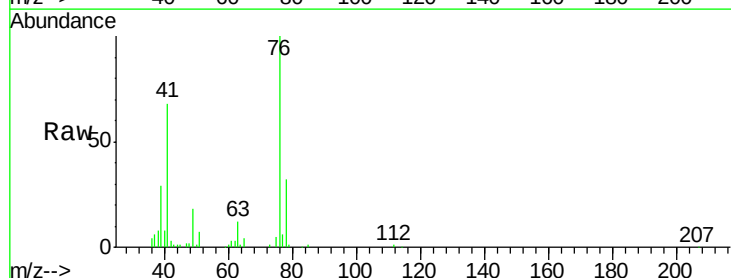
RT: 10.68 min Scan# 2779

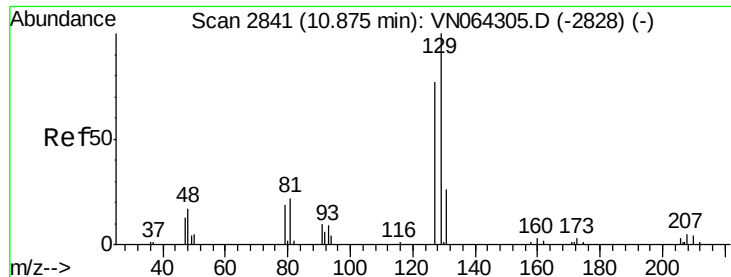
Delta R.T. -0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	76	Resp:	99975
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	61.6





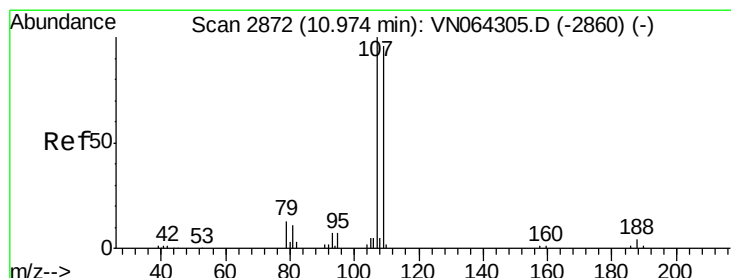
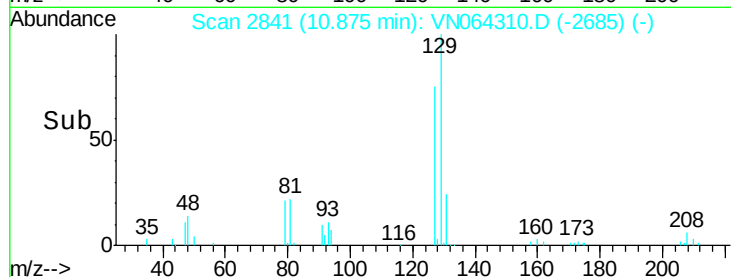
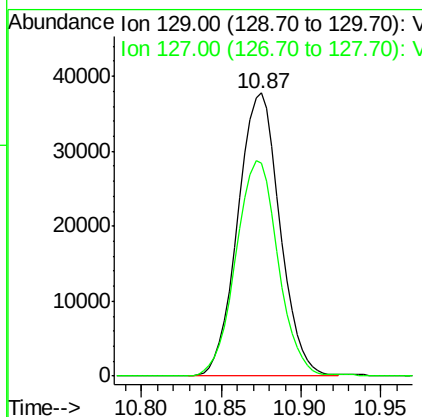
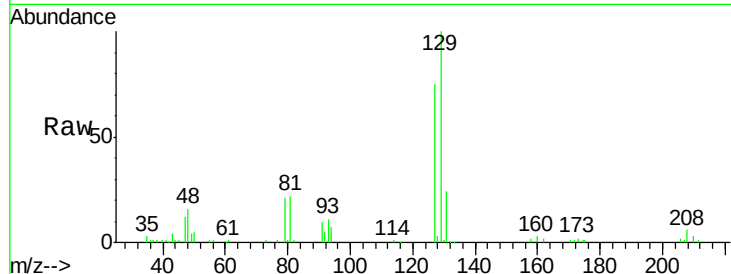
#53
 Dibromochloromethane
 Concen: 18.110 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion:129 Resp: 67812
 Ion Ratio Lower Upper
 129 100
 127 76.4 38.9 116.7

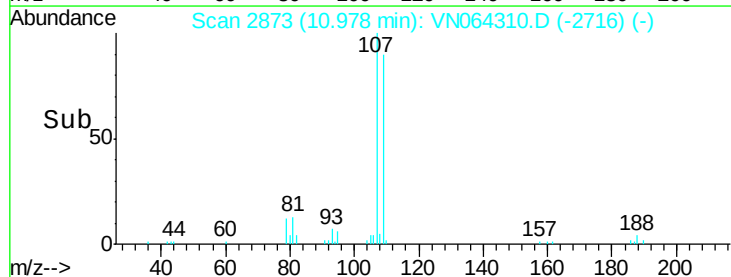
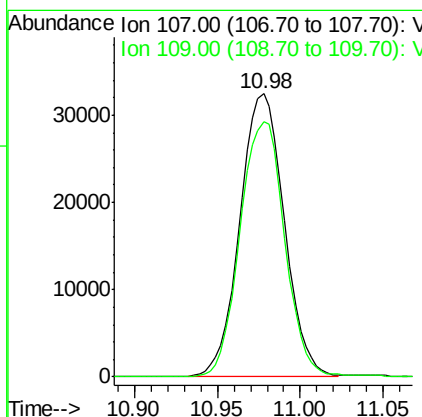
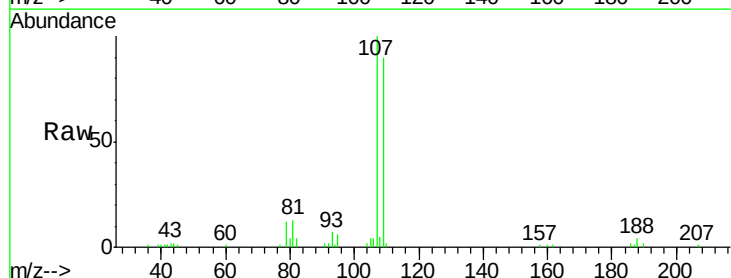
Manual Integrations
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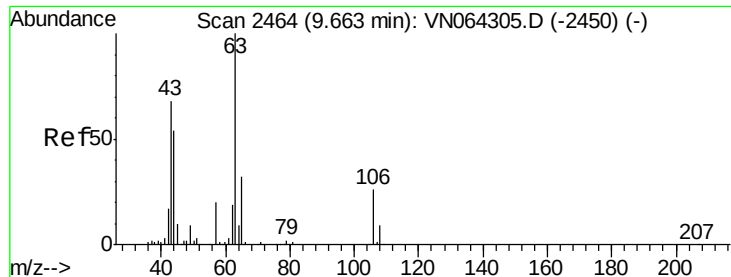
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 18.480 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion:107 Resp: 60524
 Ion Ratio Lower Upper
 107 100
 109 90.5 74.8 112.2





#55

2-Chloroethyl vinyl ether

Concen: 94.894 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

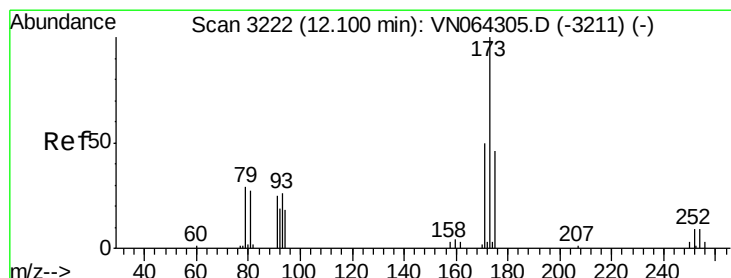
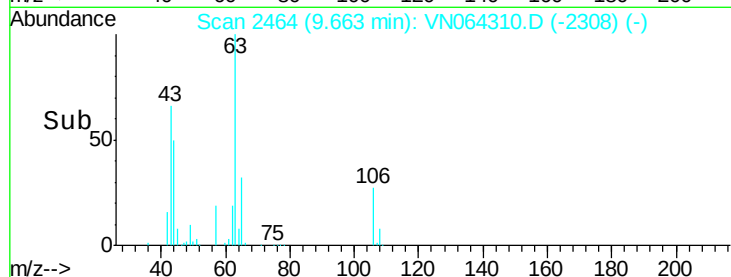
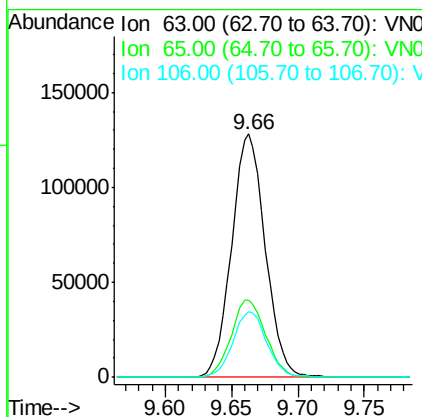
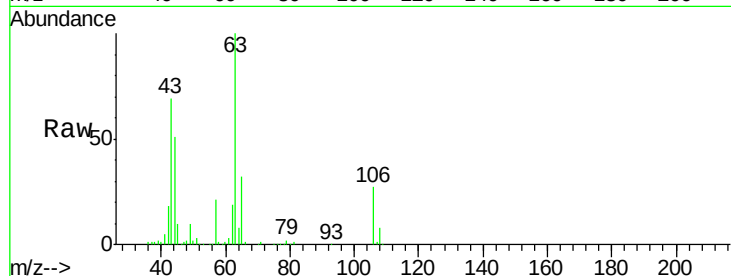
ClientSampleId :

ICVVN102620

Tot Ion:	63	Resp:	226106
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.6	38.4
106	27.1	20.7	31.1

Manual Integrations
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#56

Bromoform

Concen: 17.446 ug/l

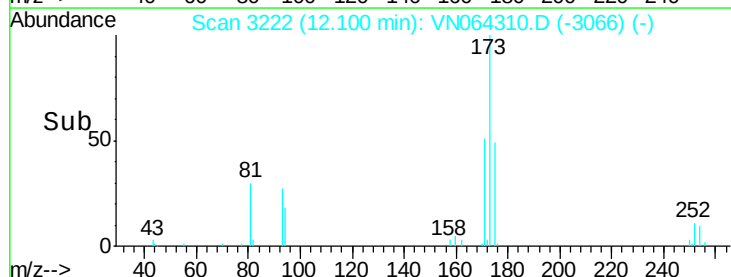
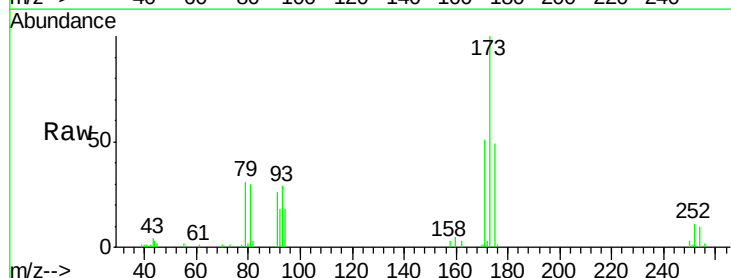
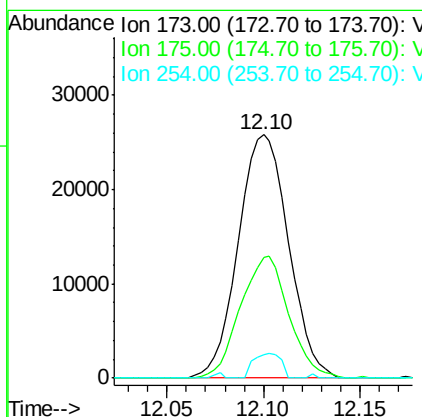
RT: 12.10 min Scan# 3222

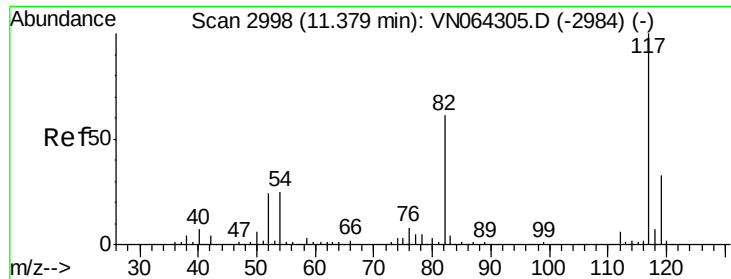
Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	173	Resp:	46834
Ion	Ratio	Lower	Upper
173	100		
175	48.0	37.3	55.9
254	5.6	4.8	7.2





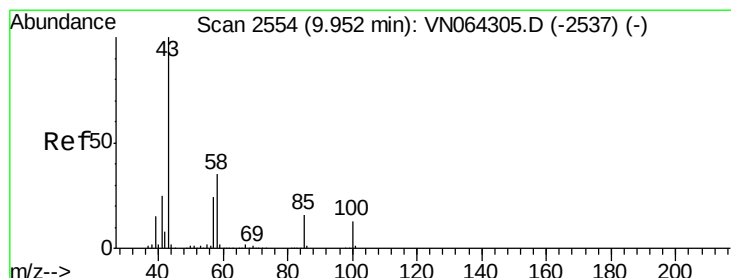
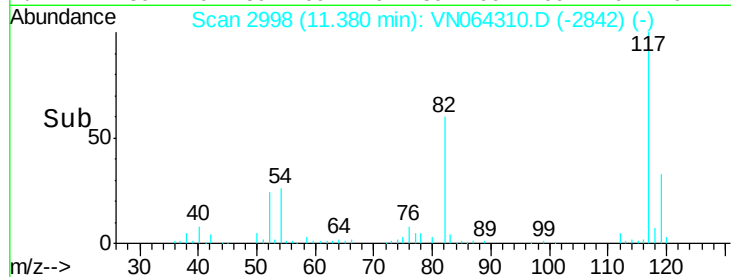
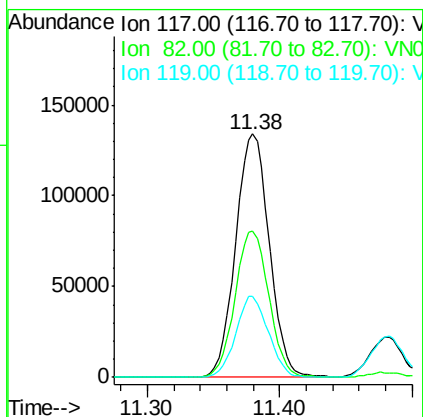
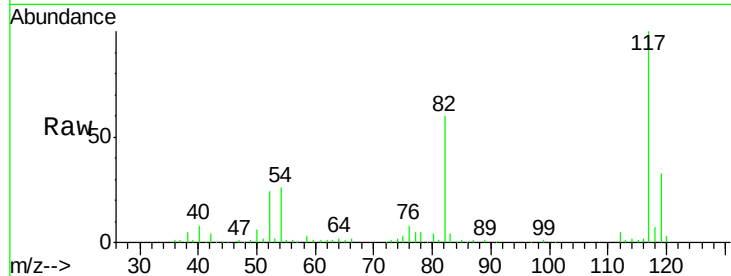
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.7	73.1
119	32.3	25.1	37.7

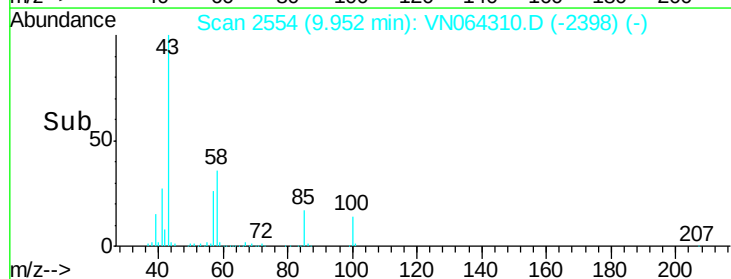
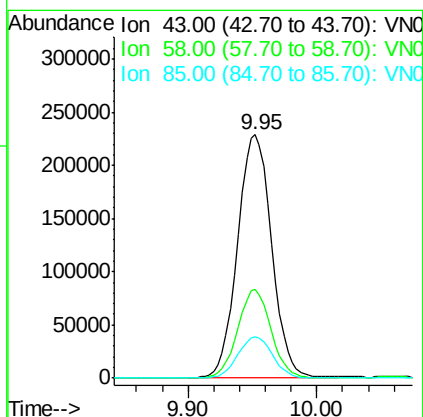
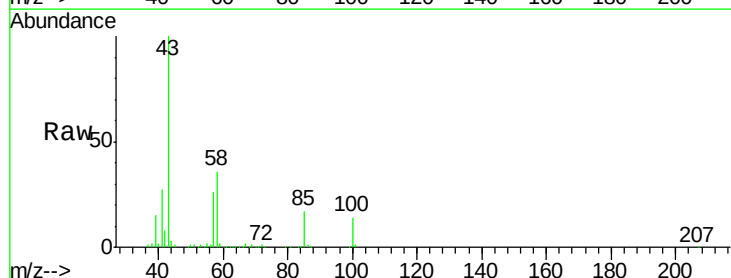
Manual Integrations
APPROVED

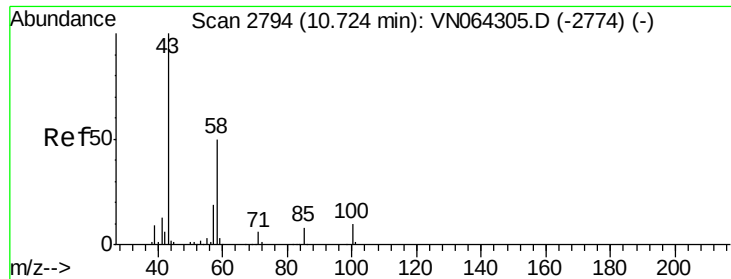
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#58
4-Methyl-2-Pentanone
Concen: 95.870 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.7	43.1
85	17.3	13.4	20.2





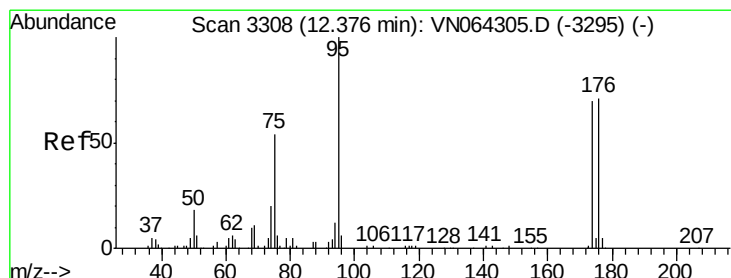
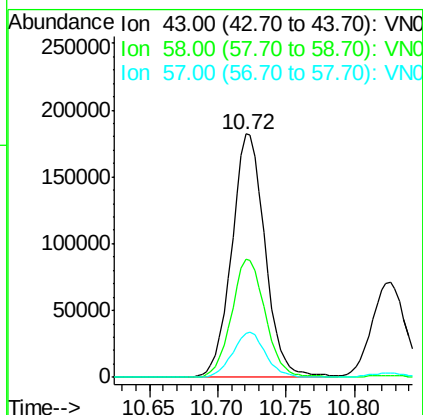
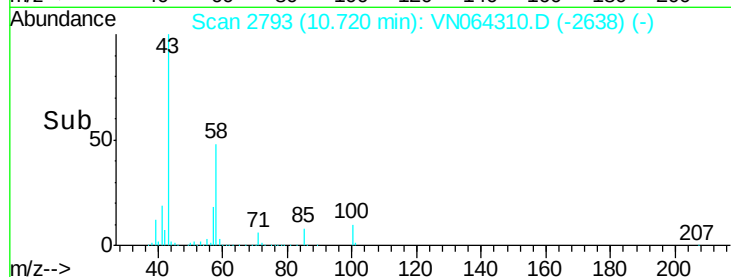
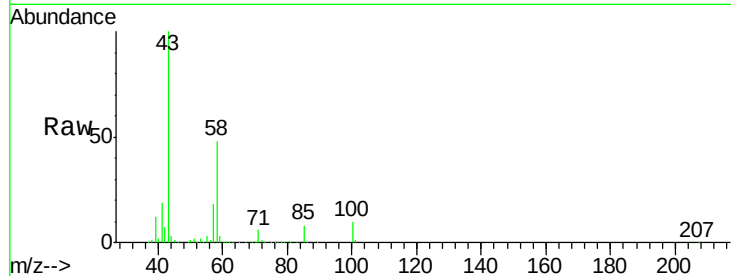
#59
2-Hexanone
Concen: 93.309 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.4	59.2
57	18.6	14.8	22.2

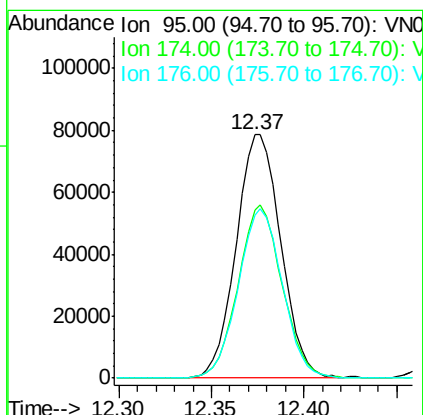
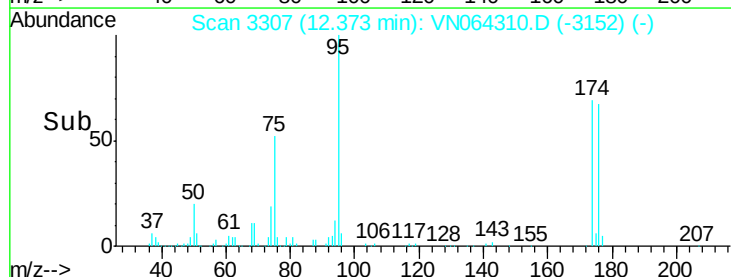
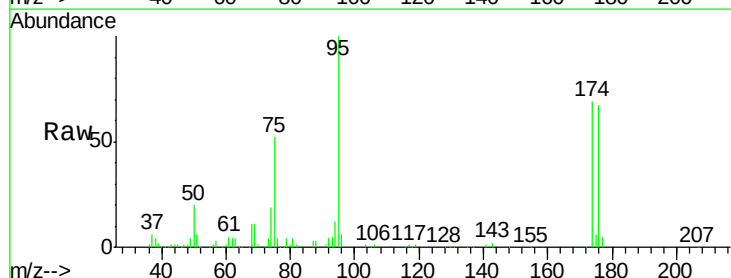
Manual Integrations
APPROVED

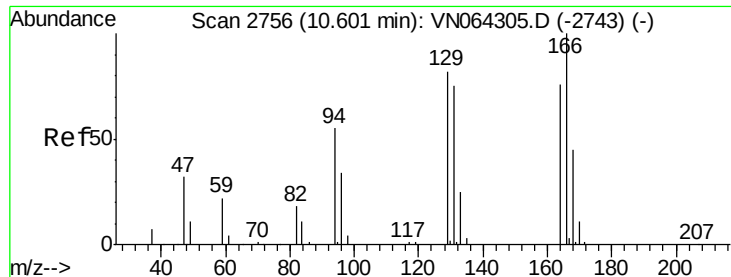
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10/27/2020 2:21:20 PM



#60
4-Bromofluorobenzene
Concen: 31.110 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	57.6	86.4
176	68.7	55.5	83.3





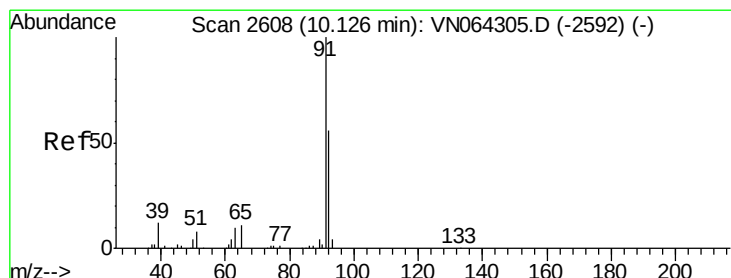
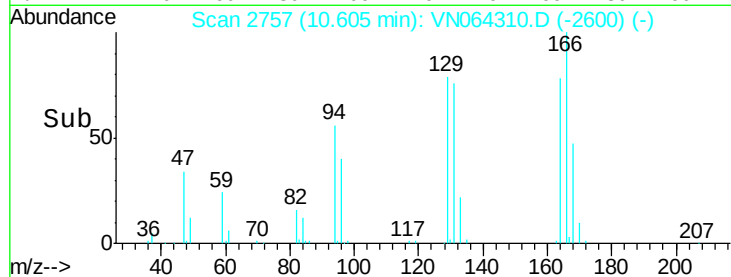
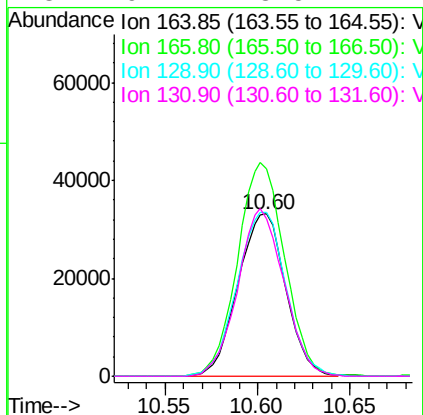
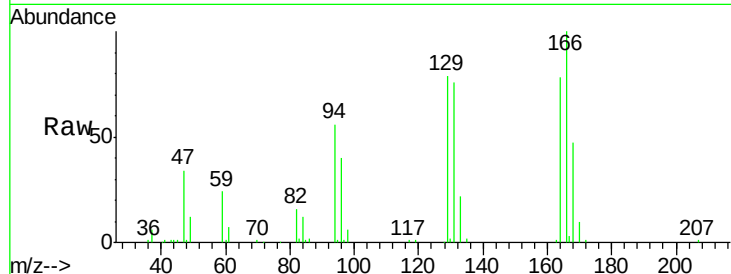
#61
Tetrachloroethene
Concen: 18.791 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.8	105.4	158.0
129	100.5	86.4	129.6
131	97.2	78.5	117.7

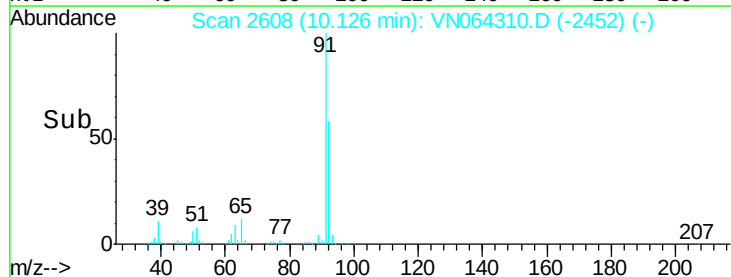
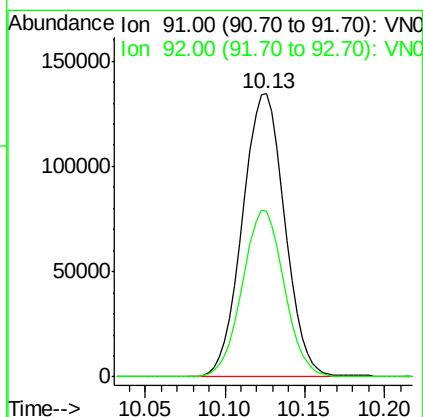
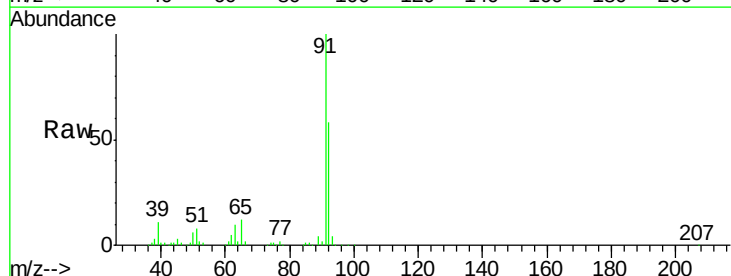
Manual Integrations
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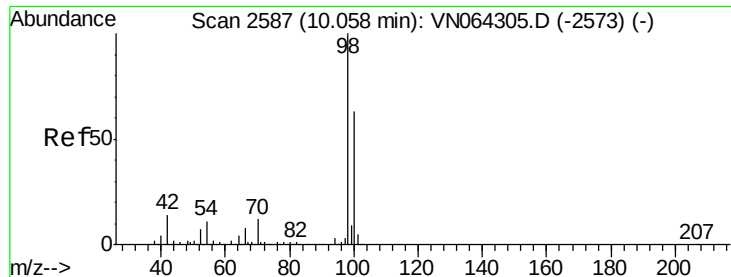
MMDadoda
10/27/2020 2:21:20 PM



#62
Toluene
Concen: 18.711 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	45.8	68.6





#63

Toluene-d8

Concen: 31.519 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 98 Resp: 332923

Ion Ratio Lower Upper

98 100

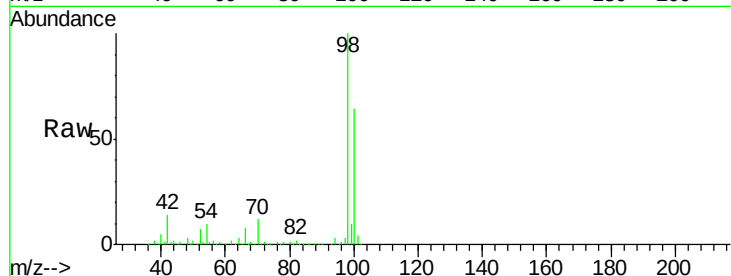
100 63.3 50.6 75.8

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN064310.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN064310.D (-2573) (-)

10.06

200000

150000

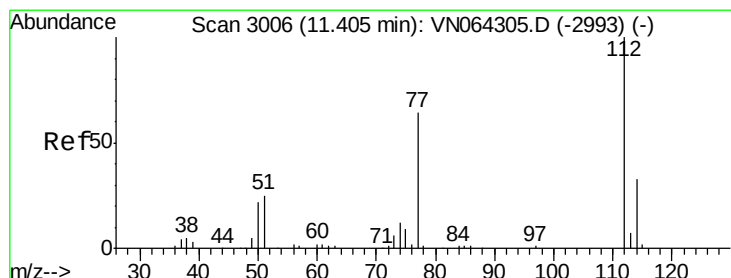
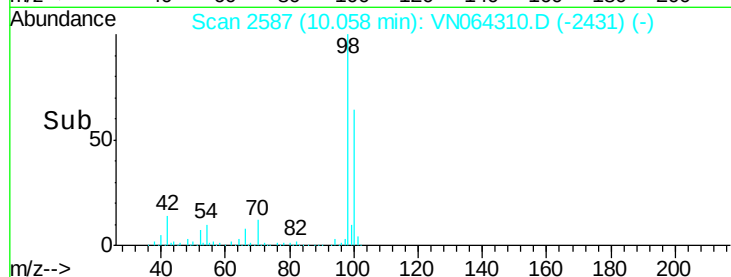
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 19.124 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064310.D

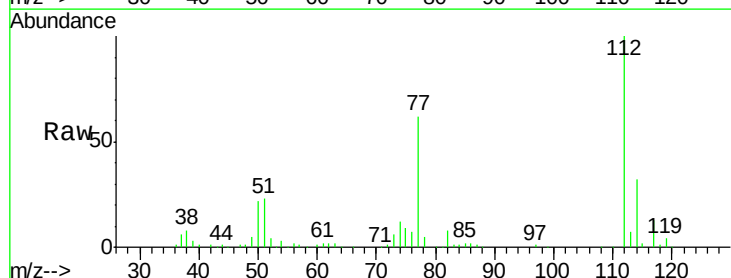
Acq: 26 Oct 2020 18:17

Tgt Ion: 112 Resp: 155544

Ion Ratio Lower Upper

112 100

114 32.3 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): VN064310.D (-2850) (-)

Ion 114.00 (113.70 to 114.70): VN064310.D (-2850) (-)

11.41

100000

80000

60000

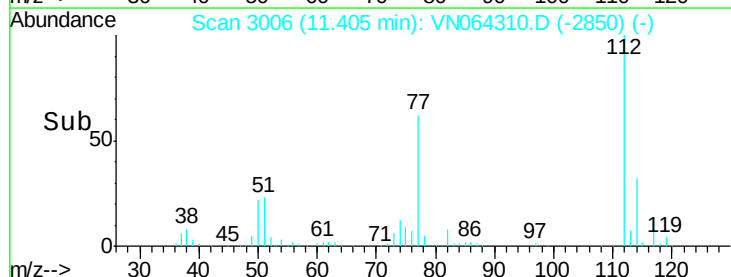
40000

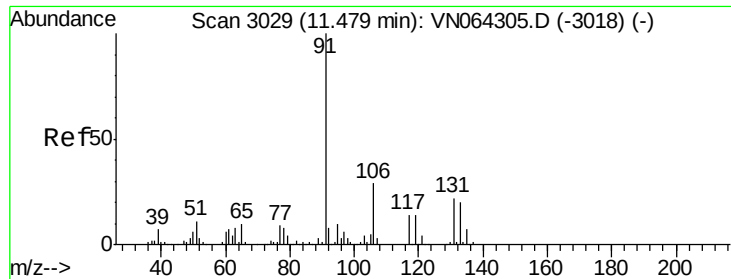
20000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.229 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

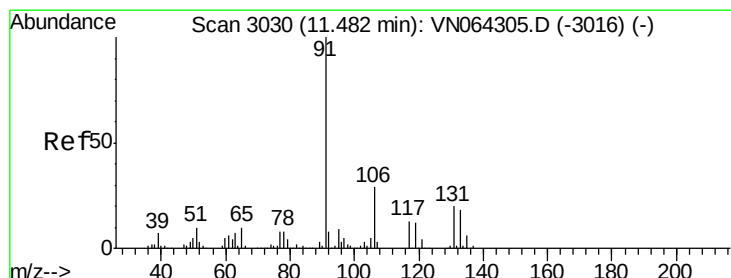
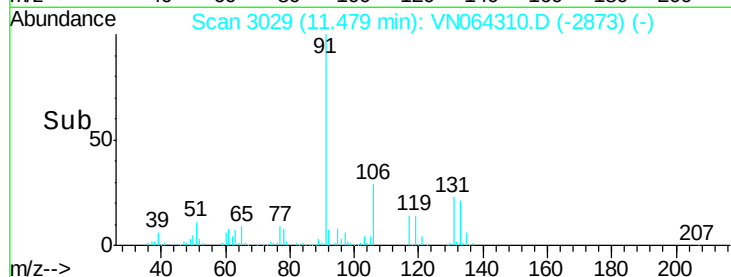
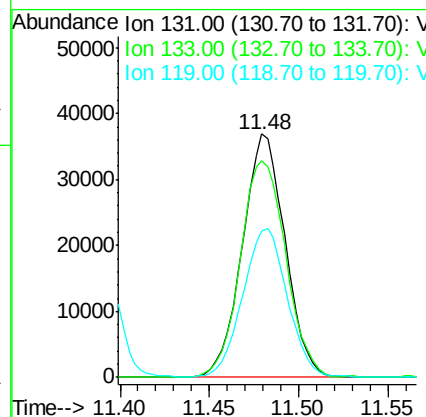
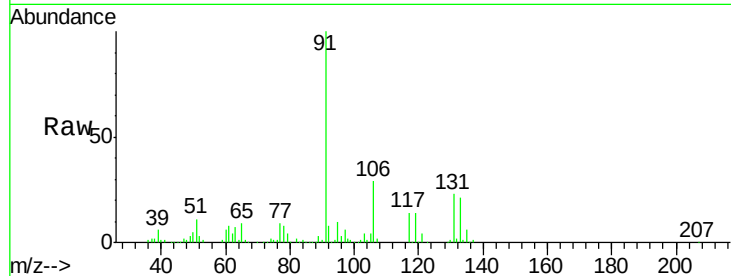
ClientSampleId :

ICVVN102620

Tot Ion:	131	Resp:	61785
Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	183.0
119	63.5	0.0	121.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.854 ug/l

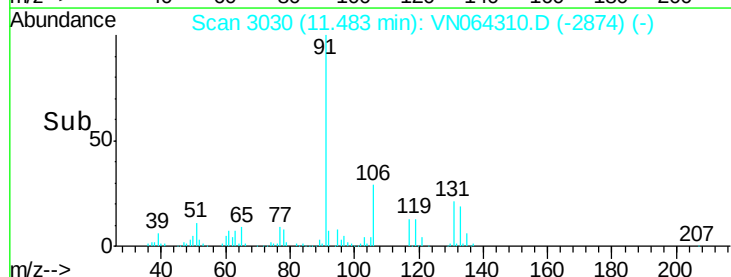
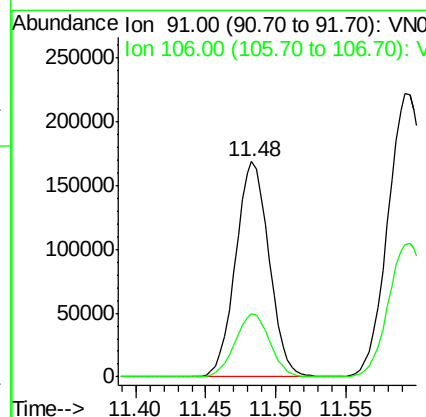
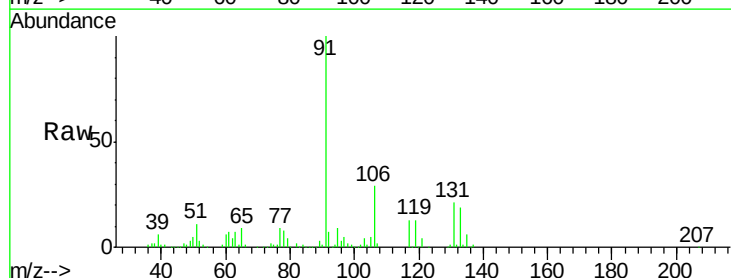
RT: 11.48 min Scan# 3030

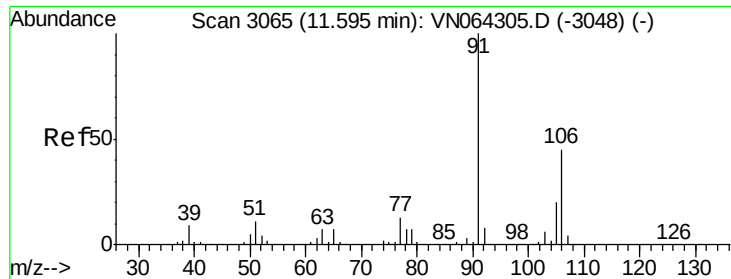
Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	91	Resp:	281127
Ion	Ratio	Lower	Upper
91	100		
106	29.5	22.8	34.2





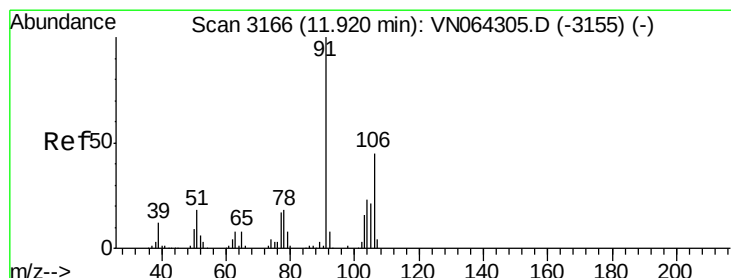
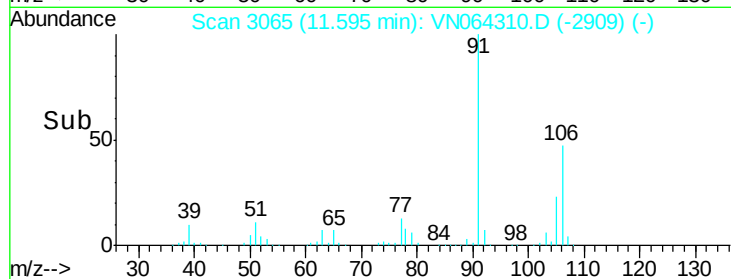
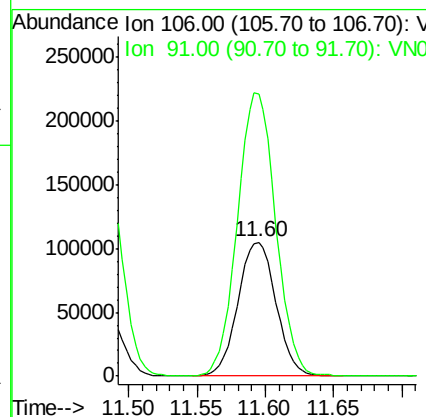
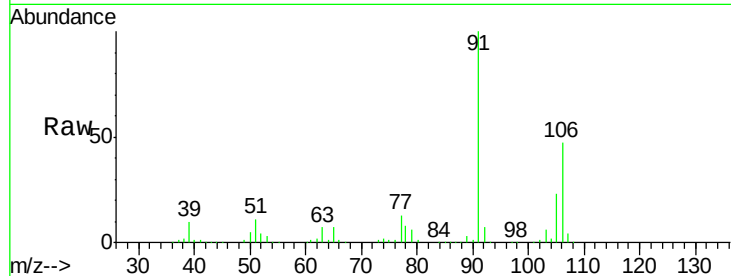
#67
m/p-Xylenes
Concen: 37.206 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion:106 Resp: 203740
Ion Ratio Lower Upper
106 100
91 211.2 176.2 264.2

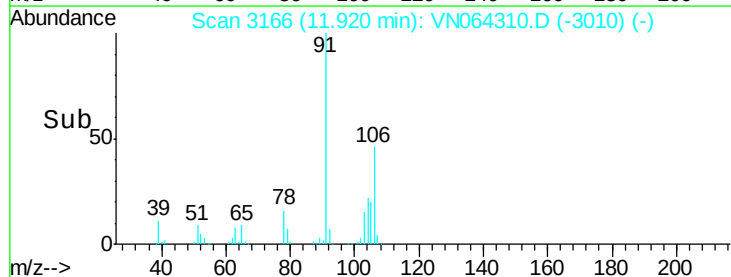
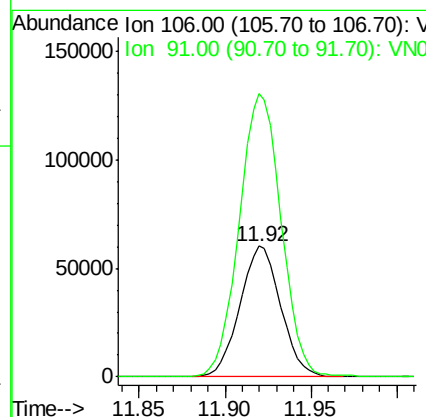
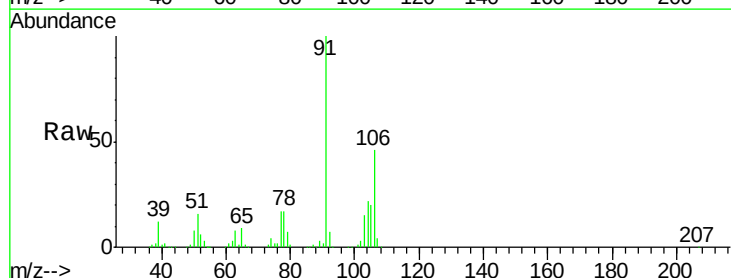
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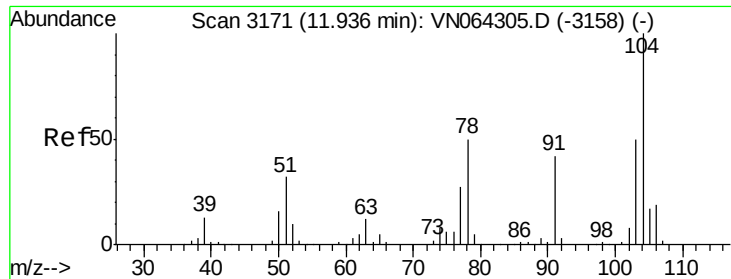
MMDadoda
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#68
o-Xylene
Concen: 18.397 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion:106 Resp: 99073
Ion Ratio Lower Upper
106 100
91 223.9 112.9 338.6





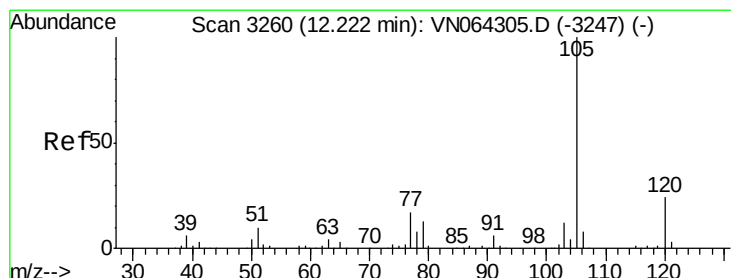
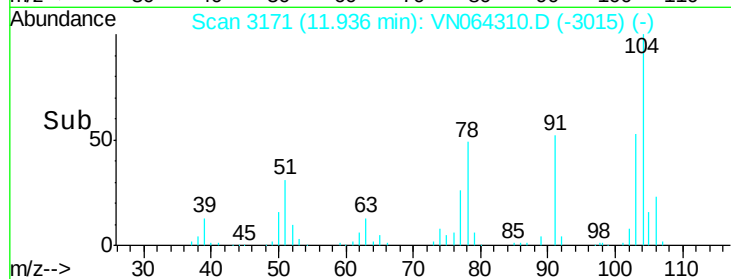
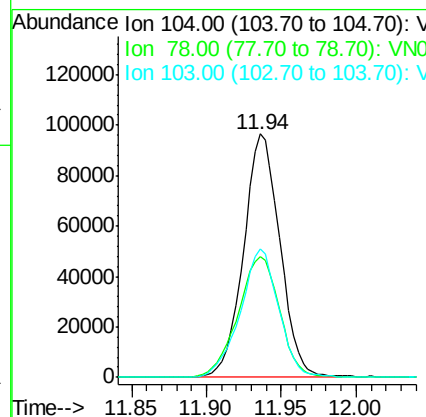
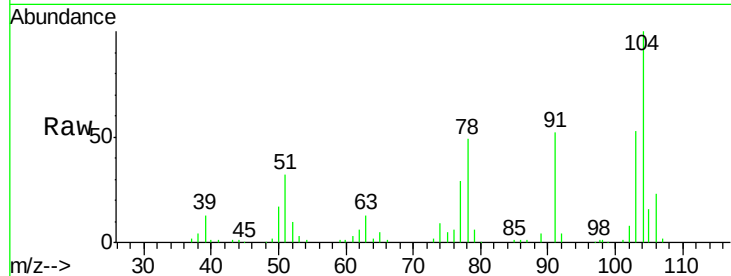
#69
Stvrene
Concen: 18.214 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	46.3	69.5
103	55.8	44.2	66.2

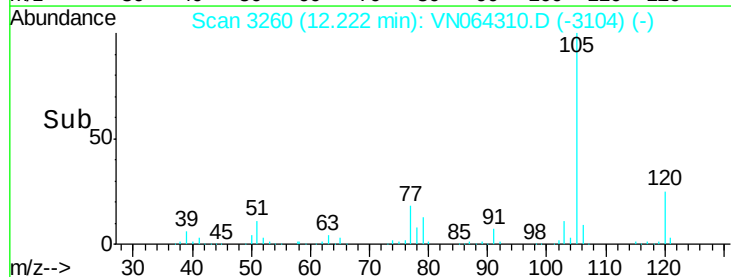
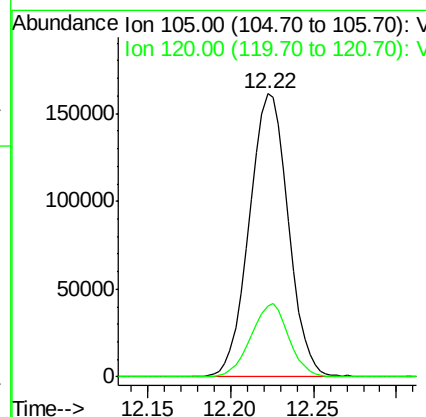
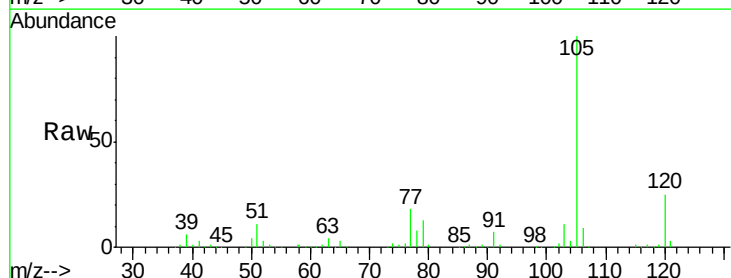
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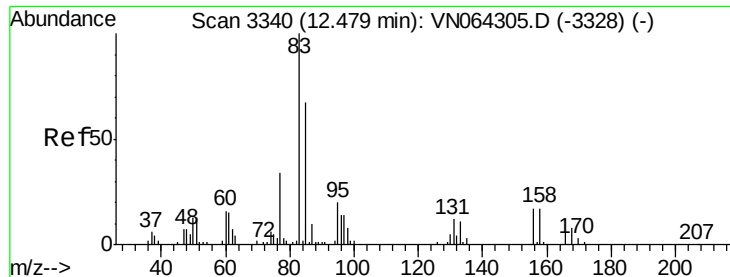
MMDadoda
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#70
Isopropylbenzene
Concen: 18.551 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	17.4	32.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.128 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102620

Tot Ion: 83 Resp: 77820

Ion Ratio Lower Upper

83 100

131 10.1 6.0 18.0

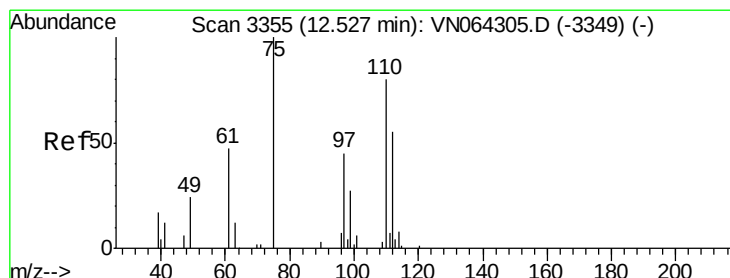
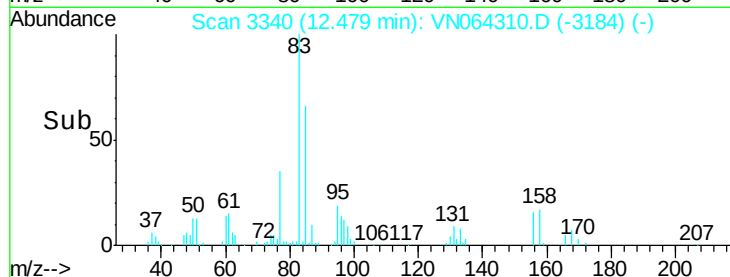
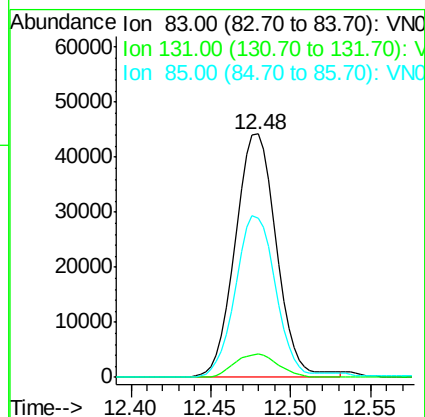
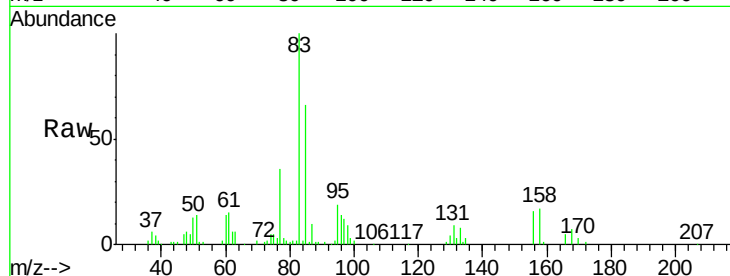
85 64.6 32.0 96.0

Manual Integrations

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#72

1,2,3-Trichloropropane

Concen: 19.578 ug/l m

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064310.D

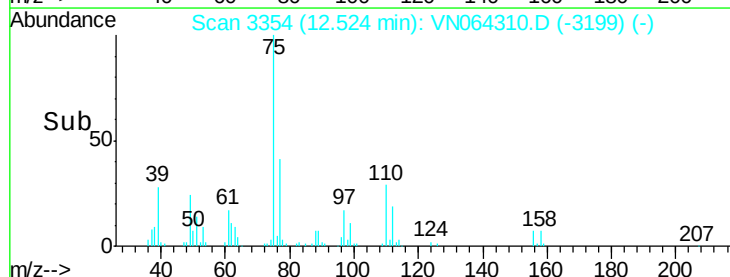
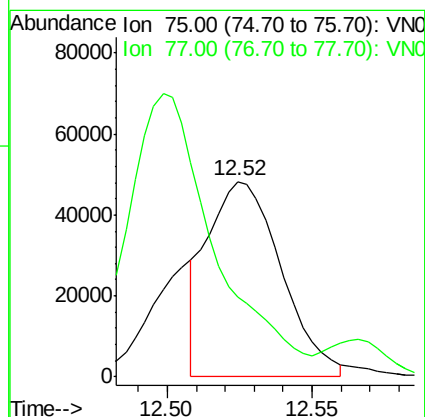
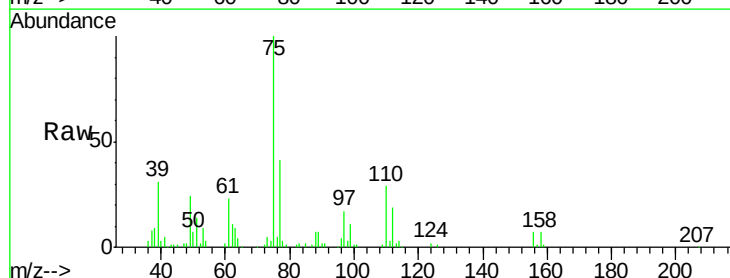
Acq: 26 Oct 2020 18:17

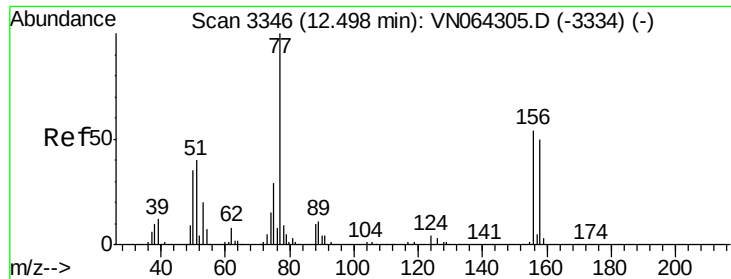
Tgt Ion: 75 Resp: 84822

Ion Ratio Lower Upper

75 100

77 172.9 0.0 340.8





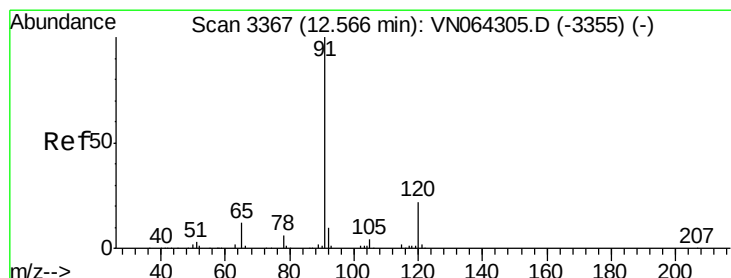
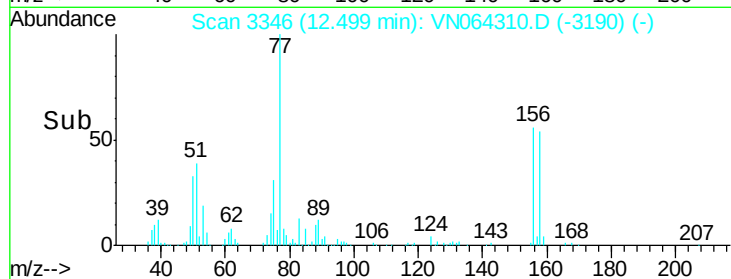
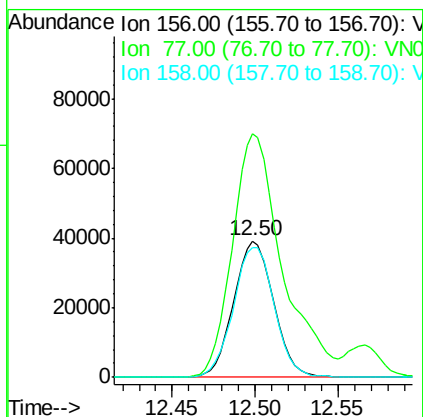
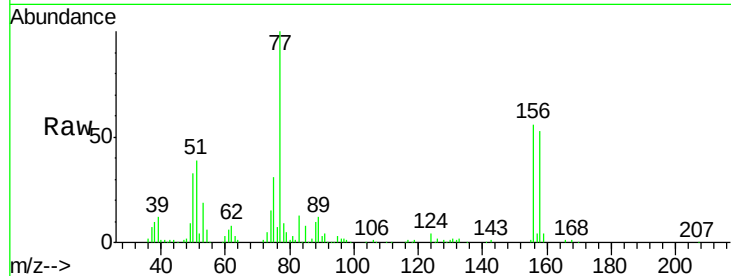
#73
Bromobenzene
Concen: 18.824 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.6	0.0	449.2
158	97.3	0.0	191.0

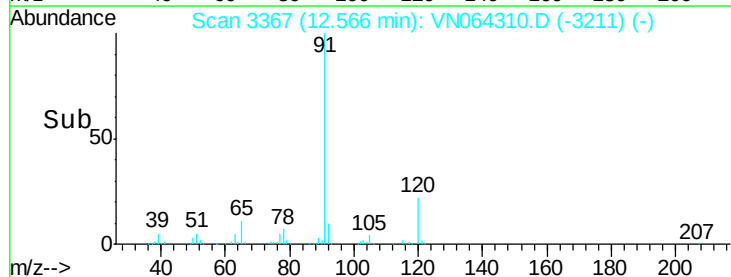
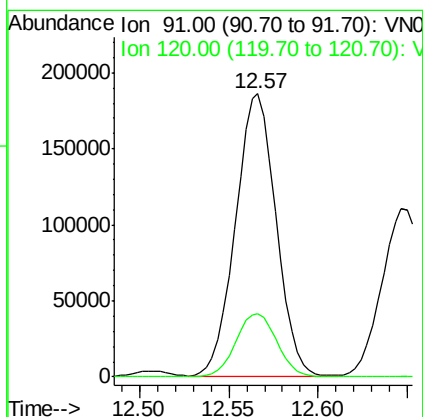
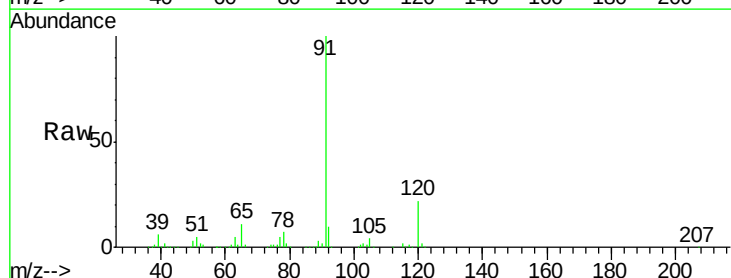
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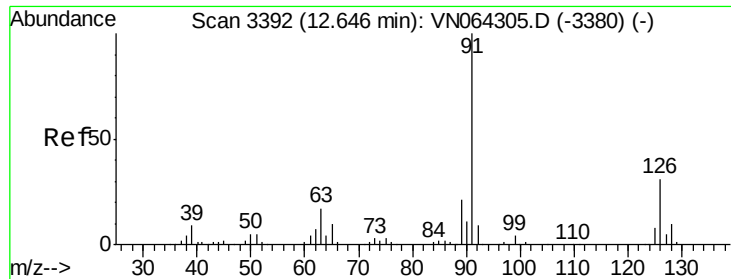
MMDadoda
10/27/2020 2:21:20 PM



#74
n-propylbenzene
Concen: 18.142 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	44.2





#75

2-Chlorotoluene

Concen: 18.785 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102620

Tot Ion: 91 Resp: 189061

Ion Ratio Lower Upper

91 100

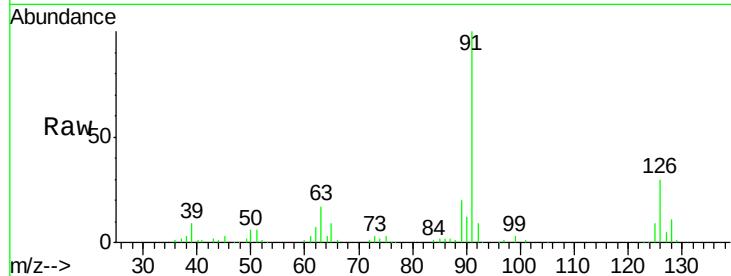
126 31.8 0.0 62.0

Manual Integrations

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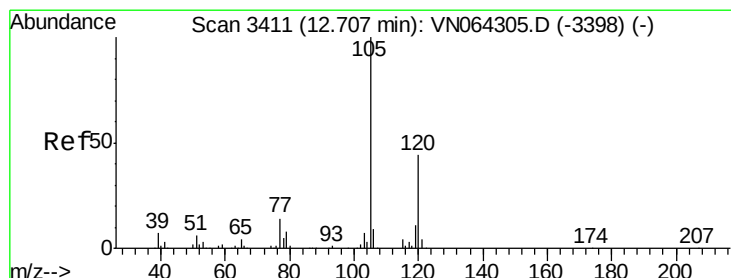
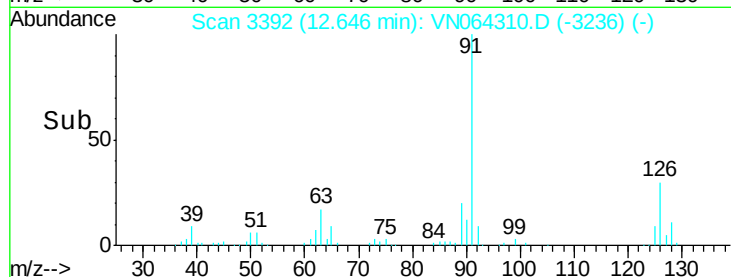
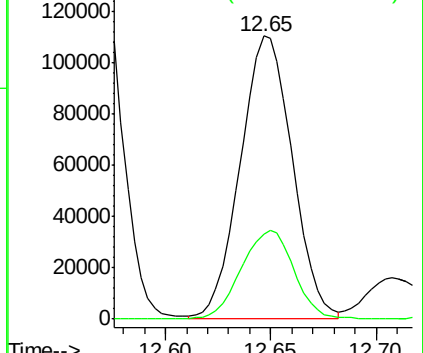
MMDadoda

10/27/2020 2:21:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.649 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064310.D

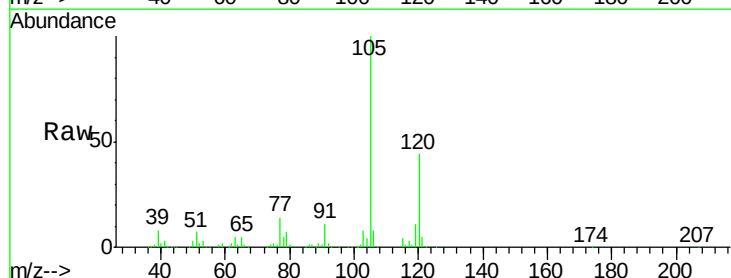
Acq: 26 Oct 2020 18:17

Tgt Ion:105 Resp: 225206

Ion Ratio Lower Upper

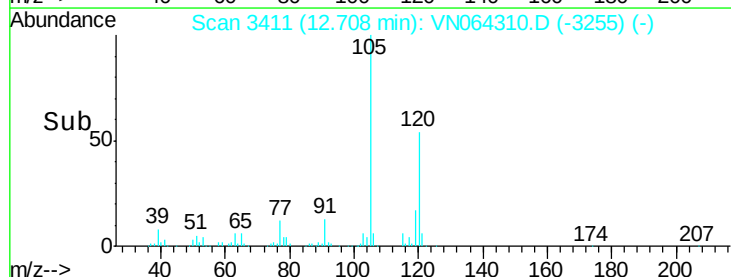
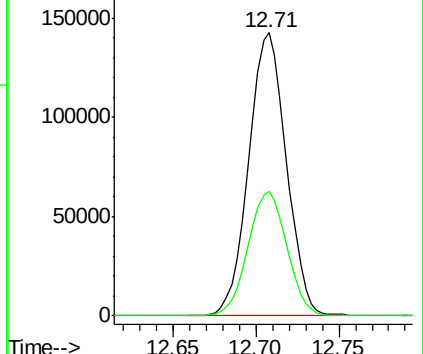
105 100

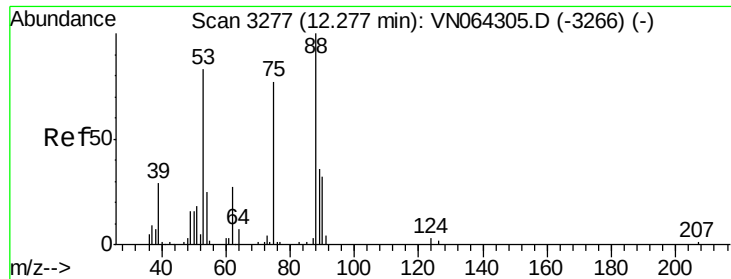
120 45.3 0.0 89.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





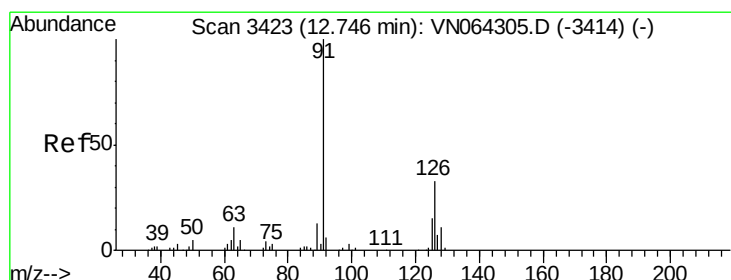
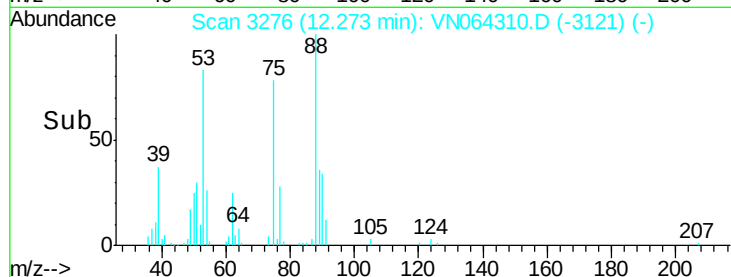
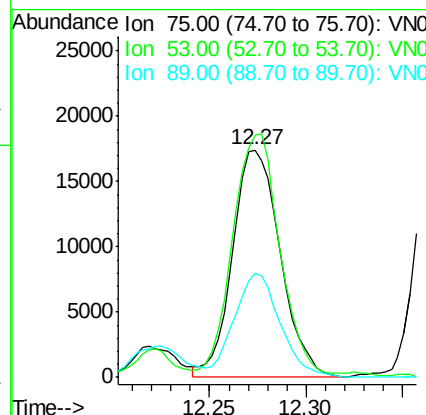
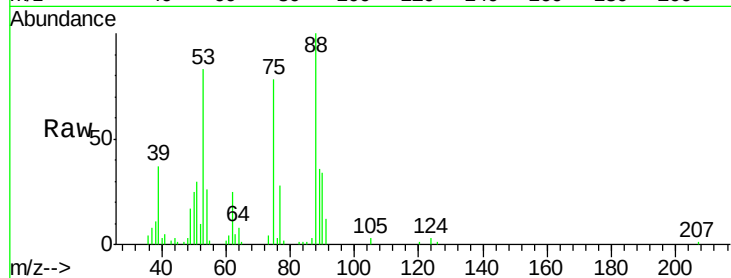
#77
t-1,4-Dichloro-2-butene
Concen: 18.512 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	51.0	153.0
89	45.8	24.8	74.3

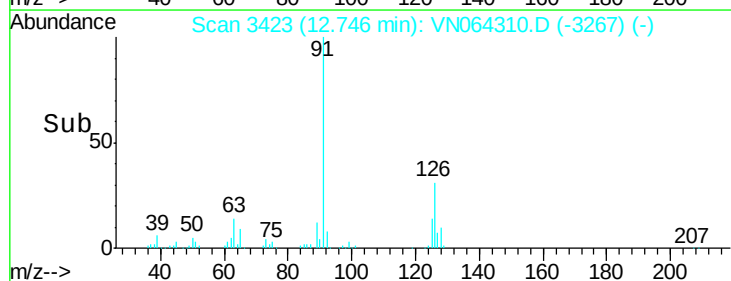
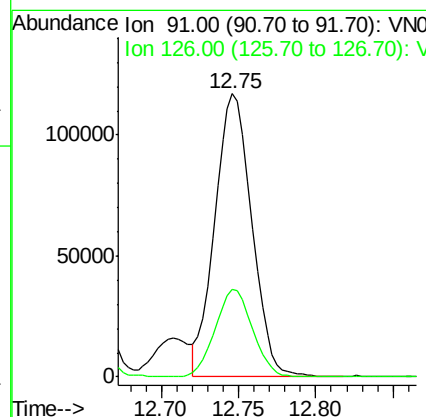
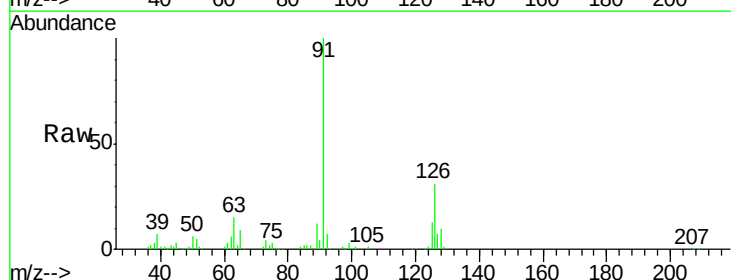
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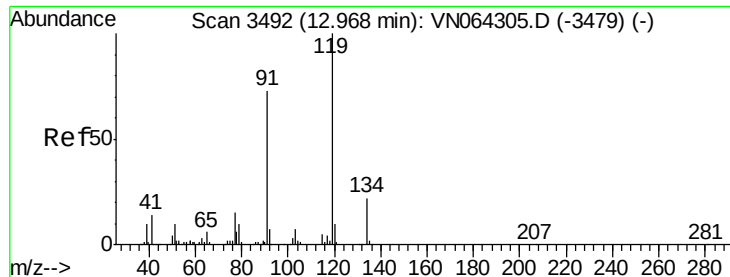
MMDadoda
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#78
4-Chlorotoluene
Concen: 18.443 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	62.4





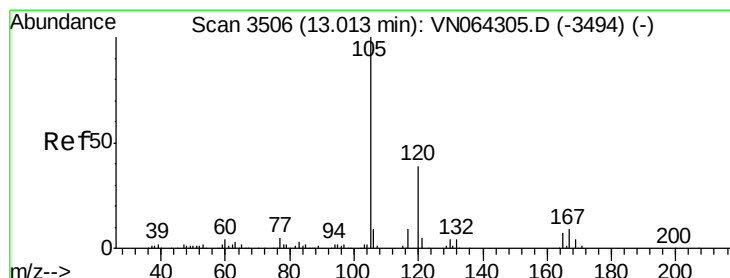
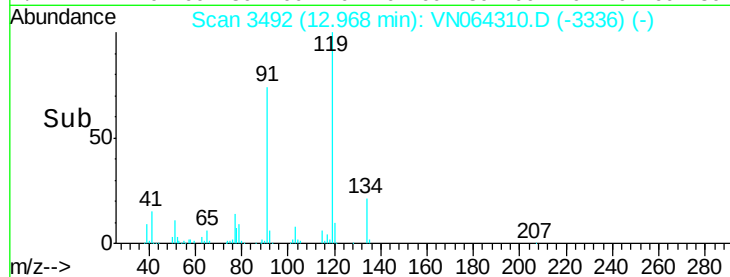
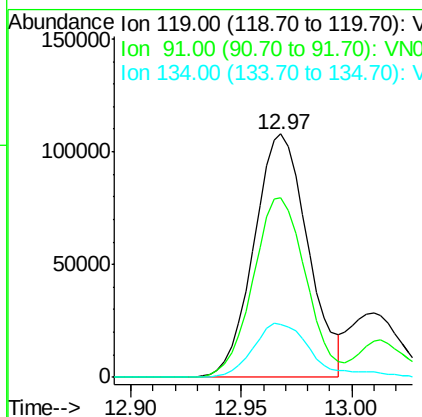
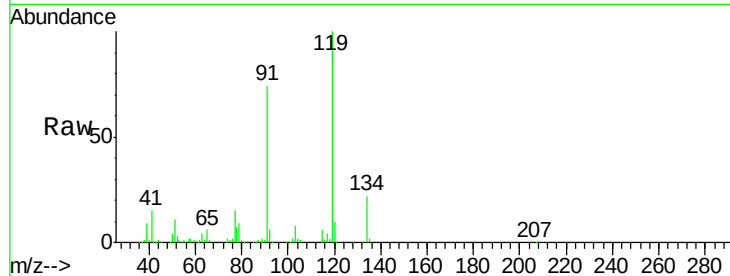
#79
 tert-butylbenzene
 Concen: 18.378 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182894		
91	72.7	0.0	146.8	
134	23.0	0.0	48.6	

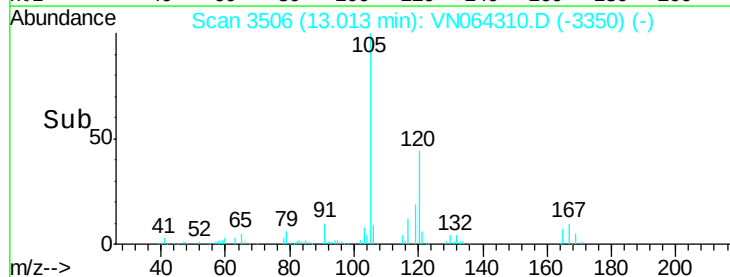
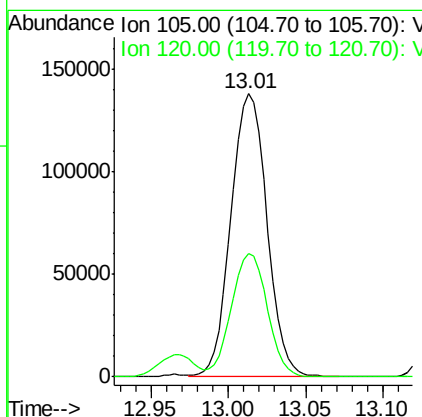
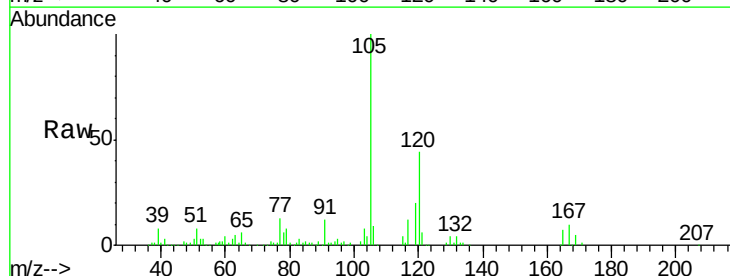
Manual Integrations
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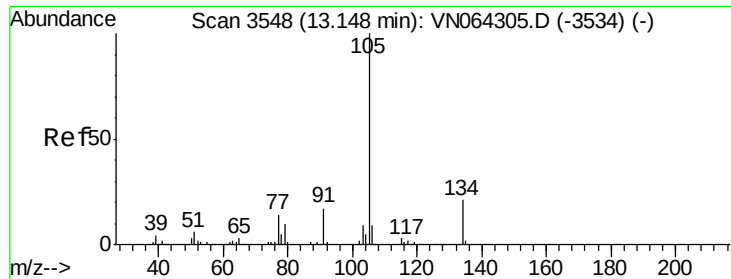
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#80
 1,2,4-Trimethylbenzene
 Concen: 18.351 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223531		
120	43.7	0.0	87.0	





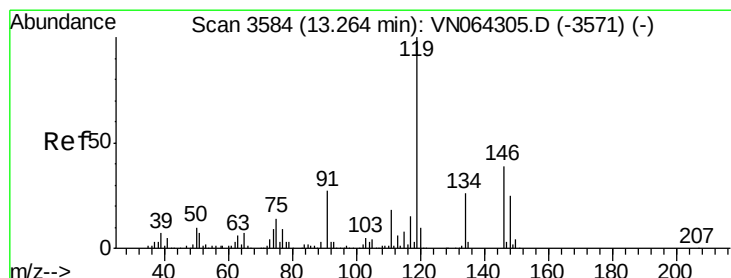
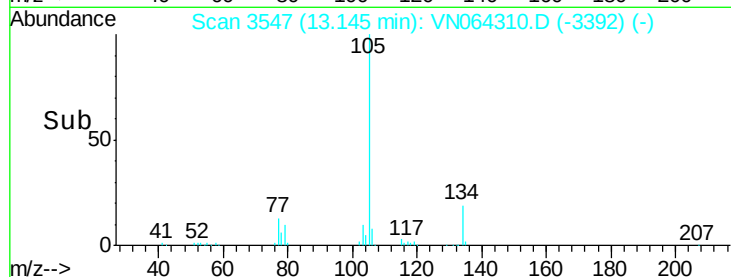
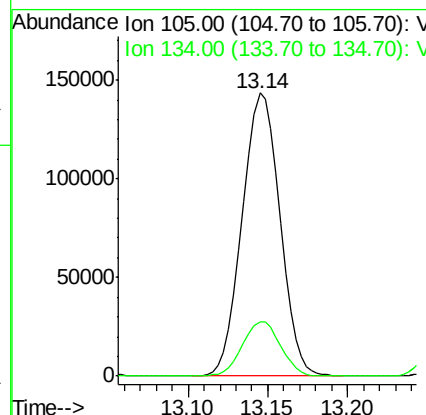
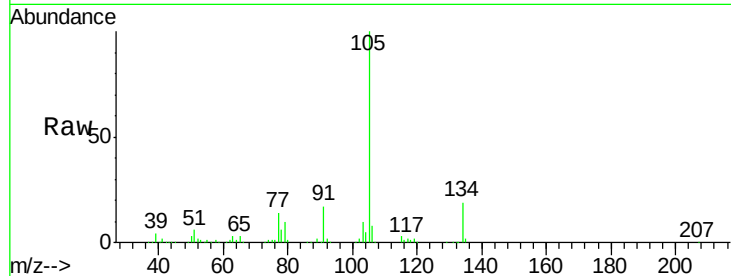
#81
 sec-Butylbenzene
 Concen: 17.841 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Resp	Lower	Upper
105	100	230440		
134	19.6	0.0	38.4	

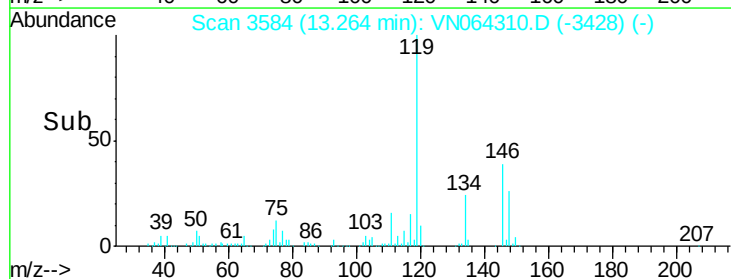
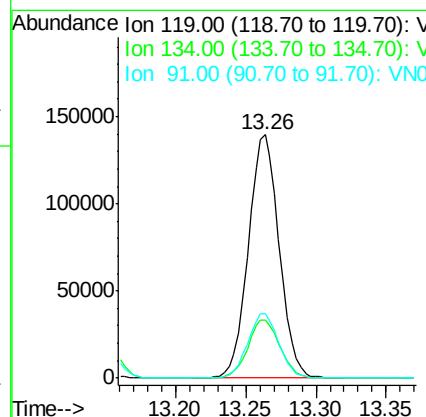
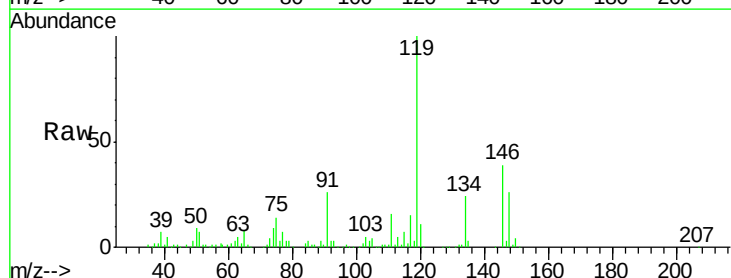
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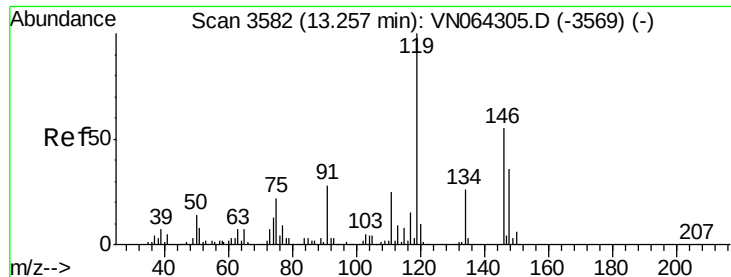
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#82
 p-Isopropyltoluene
 Concen: 18.064 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	213719		
134	24.8	0.0	52.2	
91	26.6	0.0	56.0	





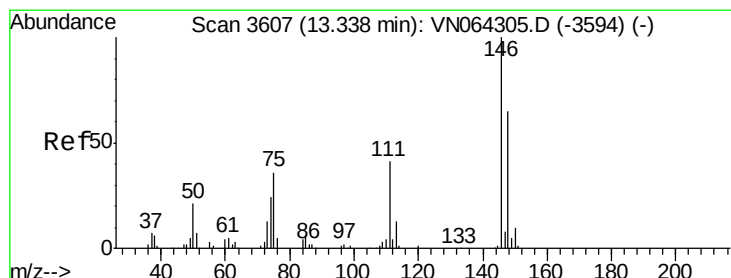
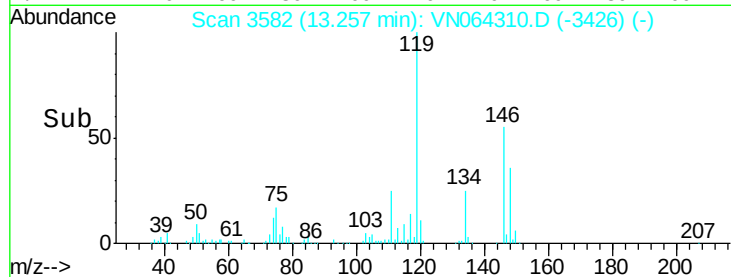
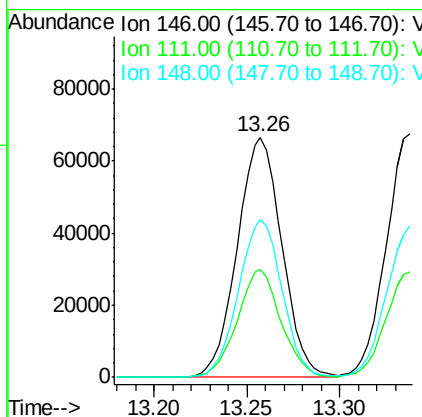
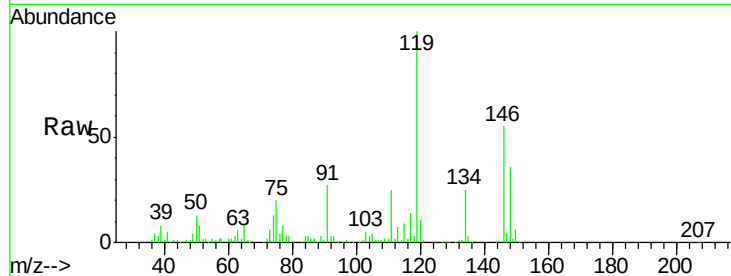
#83
 1,3-Dichlorobenzene
 Concen: 18.252 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.5	67.5
148	64.1	32.5	97.5

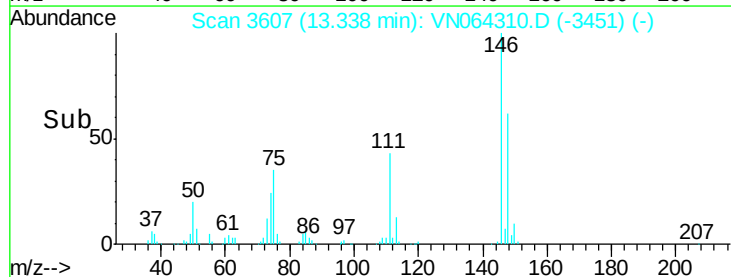
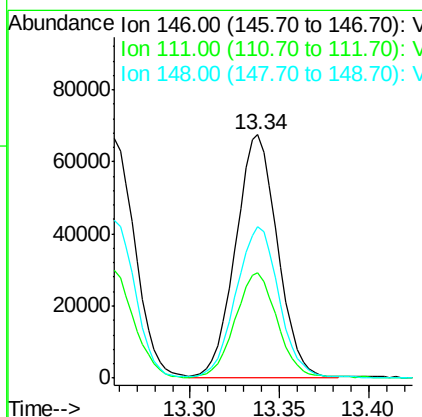
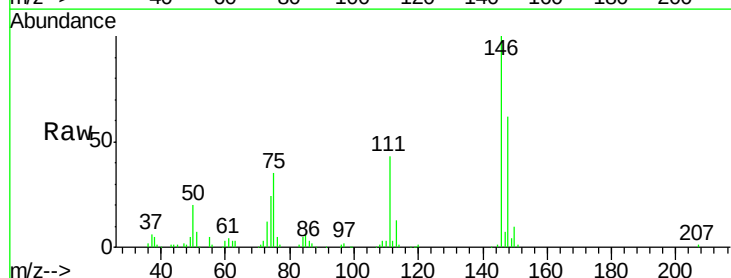
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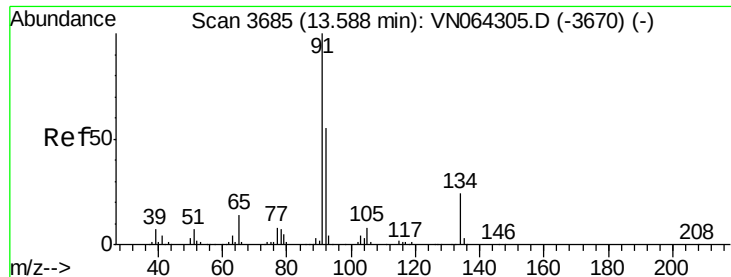
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#84
 1,4-Dichlorobenzene
 Concen: 18.052 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	63.3	32.4	97.0





#85

n-Butylbenzene

Concen: 17.934 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Instrument :

MSVOA_N

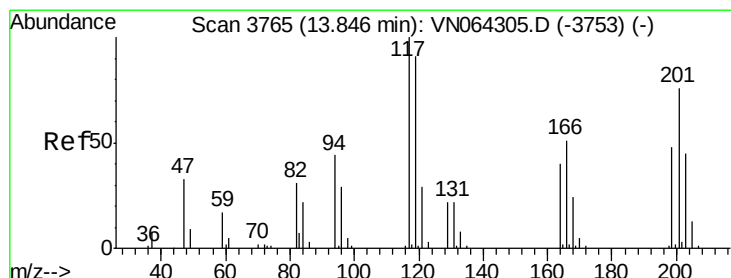
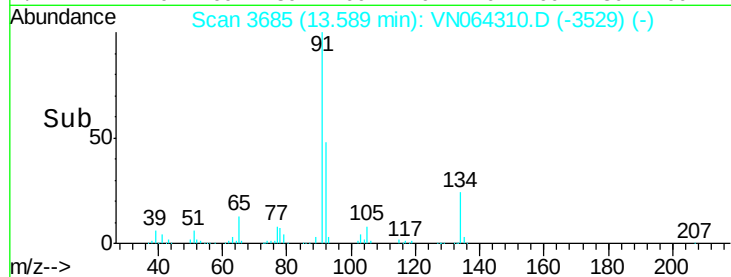
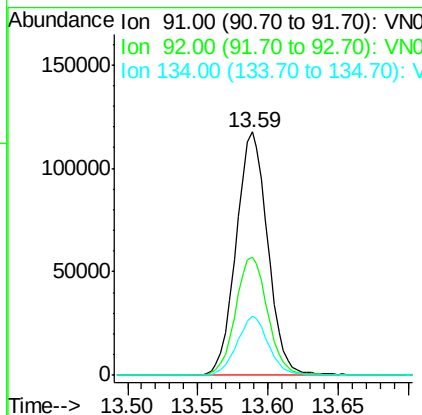
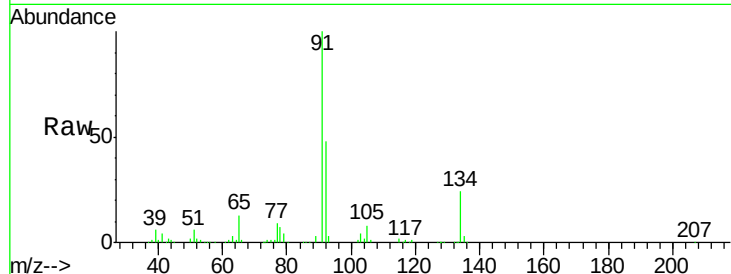
ClientSampleId :

ICVVN102620

Tot Ion:	91	Resp:	185022
Ion Ratio	Lower	Upper	
91	100		
92	49.2	0.0	106.0
134	24.1	0.0	46.4

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#86

Hexachloroethane

Concen: 18.668 ug/l

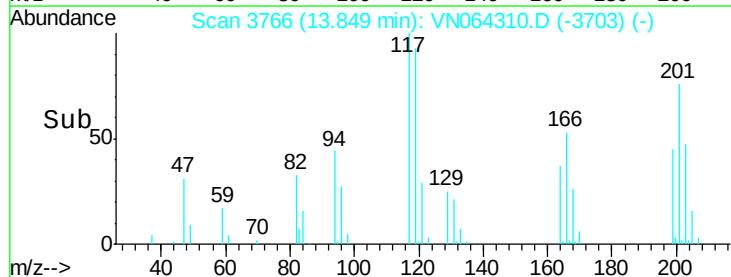
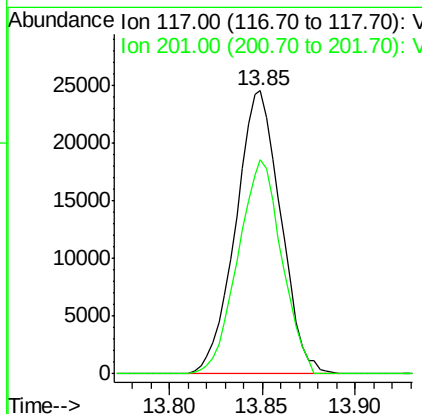
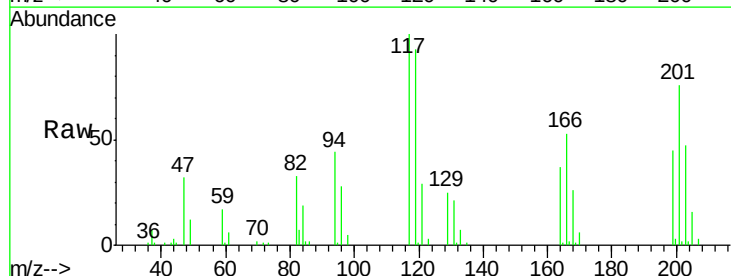
RT: 13.85 min Scan# 3766

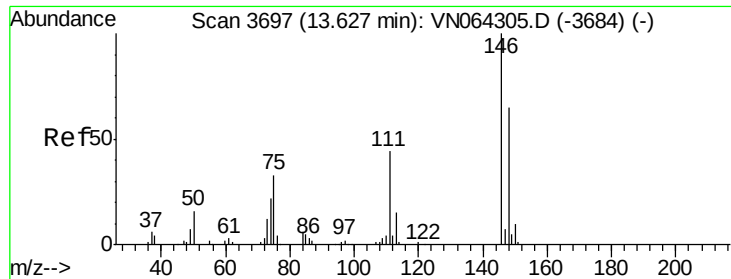
Delta R.T. 0.00 min

Lab File: VN064310.D

Acq: 26 Oct 2020 18:17

Tgt Ion:	117	Resp:	41189
Ion Ratio	Lower	Upper	
117	100		
201	73.5	39.6	118.7





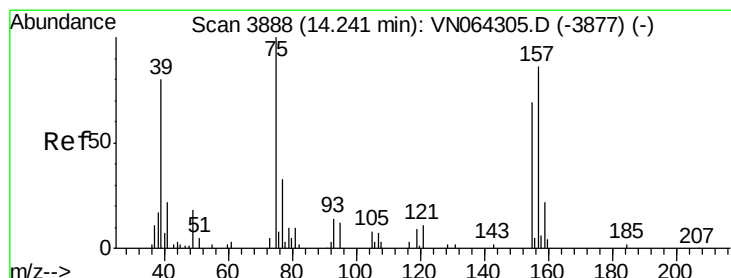
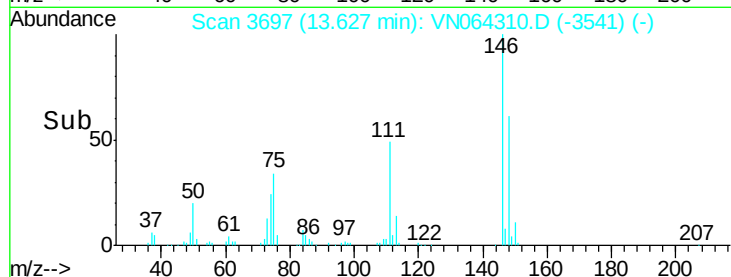
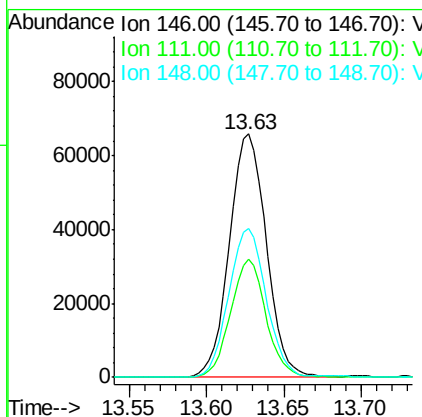
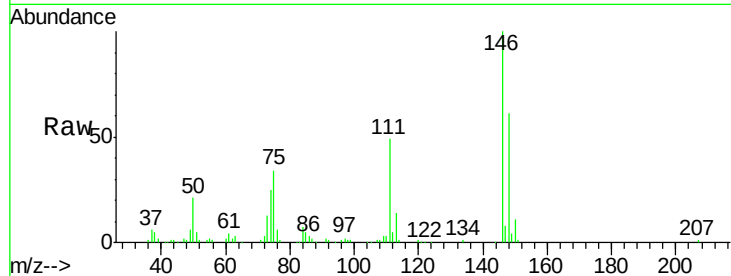
#87
 1,2-Dichlorobenzene
 Concen: 18.278 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.3	66.8
148	61.7	31.6	95.0

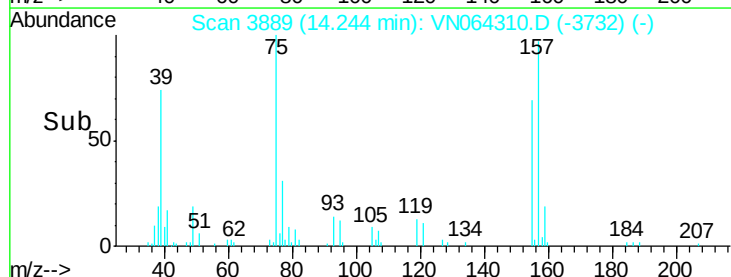
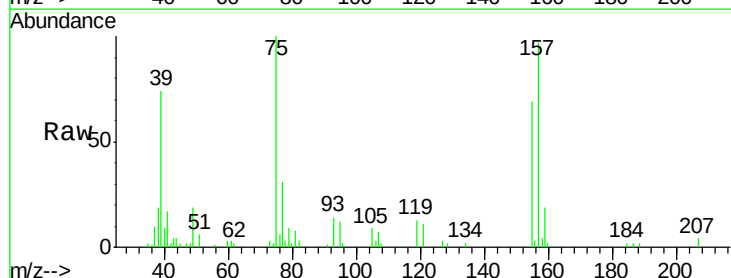
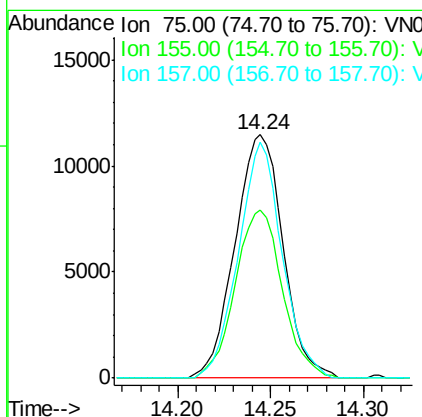
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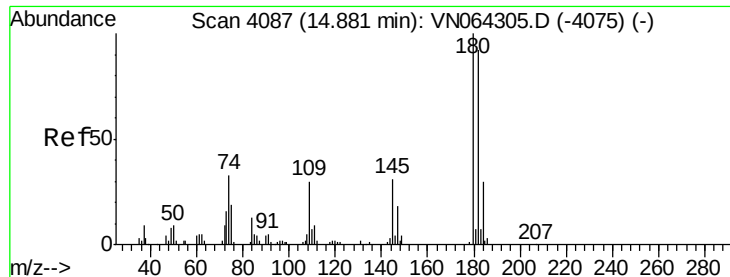
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.058 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	55.8	83.8
157	88.4	72.1	108.1





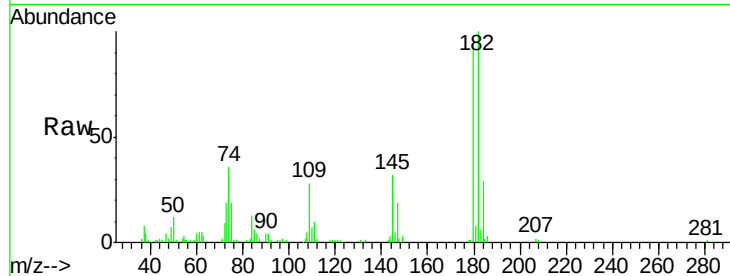
#89
 1,2,4-Trichlorobenzene
 Concen: 17.537 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102620

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59492		
182	95.8	76.6	114.8	
145	32.9	25.4	38.0	

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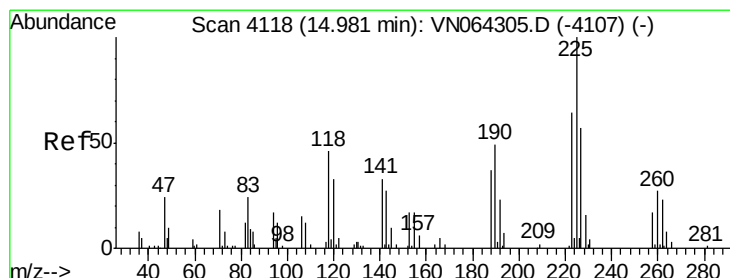
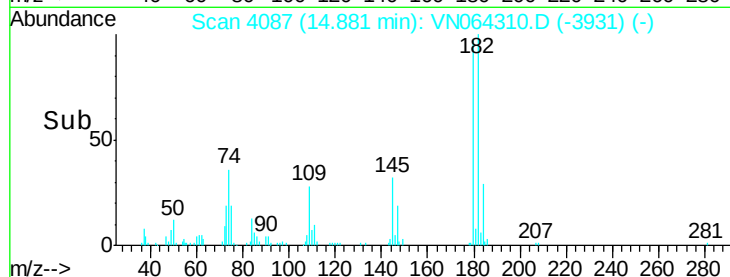
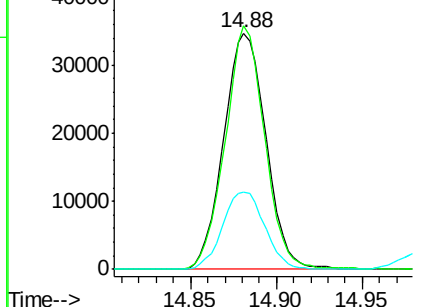


Abundance

Ion 180.00 (179.70 to 180.70): V

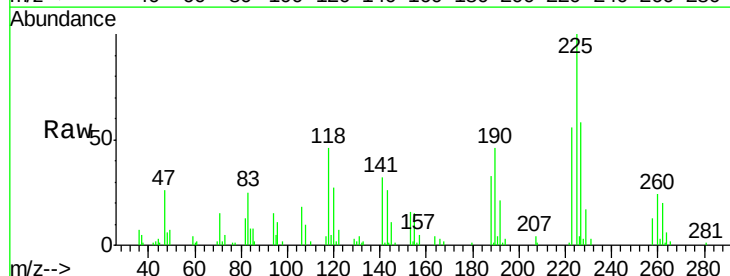
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.219 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064310.D
 Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33265		
223	61.6	0.0	122.0	
227	61.3	0.0	118.0	

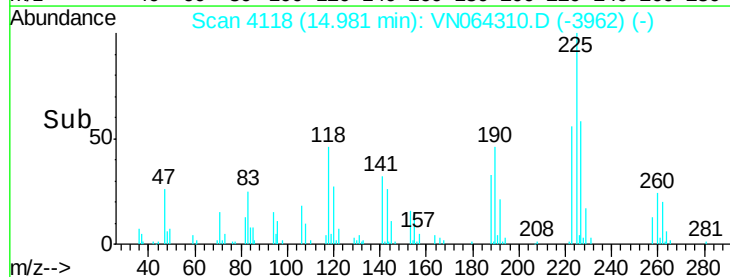
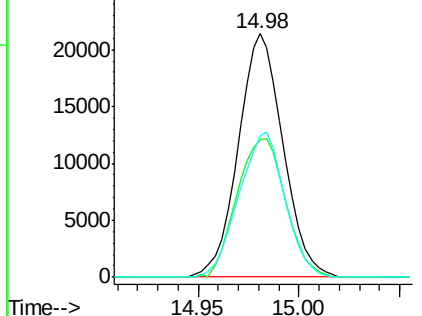


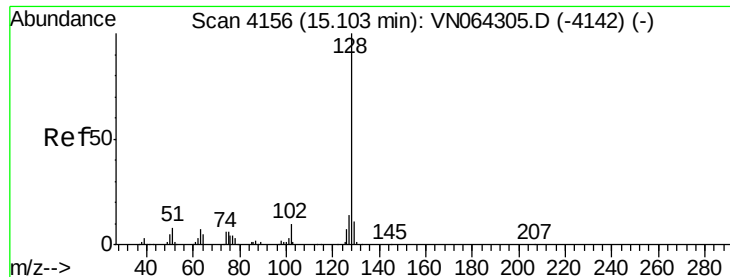
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





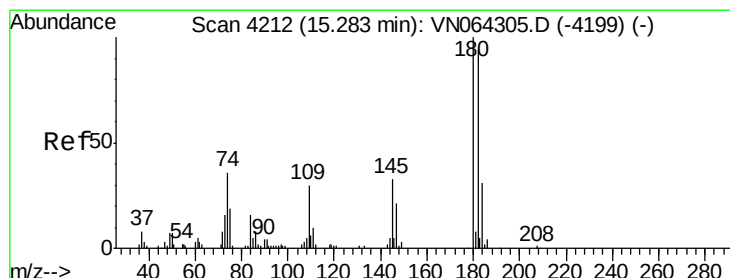
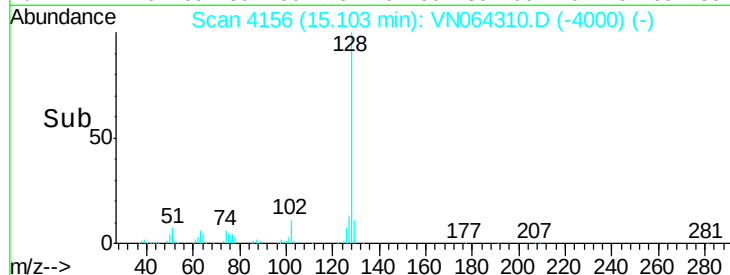
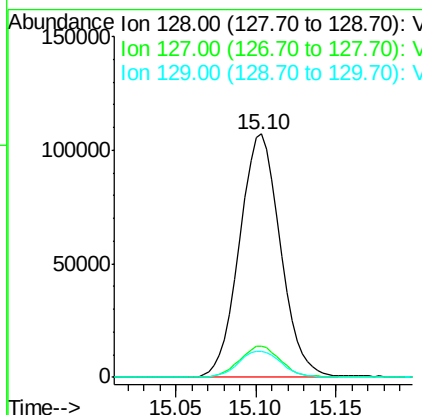
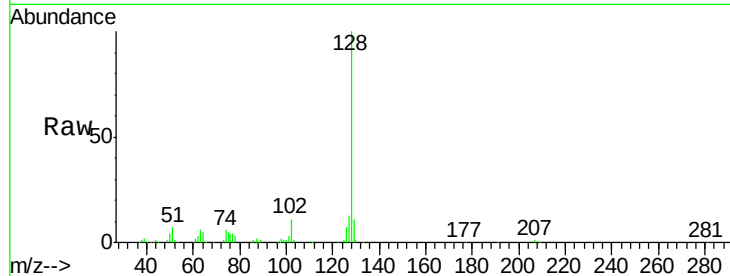
#91
Naphthalene
Concen: 18.342 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102620

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187834		
127	12.9		10.8	16.2
129	11.4		8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 18.770 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064310.D
Acq: 26 Oct 2020 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61509		
182	86.5		0.0	190.0
145	33.6		0.0	67.8

