

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063701.D
 Acq On : 28 Sep 2020 13:28
 Operator : JC/MD
 Sample : VN0928WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:37:58 PM

Quant Time: Sep 29 03:53:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	372340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	209171	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.55	113	145575	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.06	98	525851	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.38	95	193937	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44341	16.710	ug/l	96
3) Chloromethane	2.04	50	56698	16.152	ug/l	98
4) Vinyl Chloride	2.16	62	55336	17.792	ug/l	98
5) Bromomethane	2.53	94	39012	21.126	ug/l	97
6) Chloroethane	2.67	64	36570	19.155	ug/l	92
7) Trichlorofluoromethane	2.99	101	93972	20.252	ug/l	98
8) Diethyl Ether	3.38	74	31390	17.353	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48581	18.616	ug/l	96
10) Methyl Iodide	3.91	142	58642	17.260	ug/l	98
11) Tert butyl alcohol	4.73	59	46363	83.937	ug/l	96
12) 1,1-Dichloroethene	3.70	96	44976	17.016	ug/l	96
13) Acrolein	3.57	56	13991	68.351	ug/l	95
14) Allyl chloride	4.27	41	88751	16.975	ug/l	93
15) Acrylonitrile	4.93	53	128421	91.403	ug/l	96
16) Acetone	3.78	43	121380	94.726	ug/l	100
17) Carbon Disulfide	4.01	76	118846	15.458	ug/l	97
18) Methyl Acetate	4.28	43	70317	21.616	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	176465	17.913	ug/l	99
20) Methylene Chloride	4.50	84	59069	18.194	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	51156	17.469	ug/l	91
22) Diisopropyl ether	5.90	45	187268	17.563	ug/l	96
23) Vinyl Acetate	5.85	43	771946	88.150	ug/l	99
24) 1,1-Dichloroethane	5.80	63	108205	18.587	ug/l	99
25) 2-Butanone	6.79	43	184418	93.578	ug/l	97
26) 2,2-Dichloropropane	6.78	77	95269	18.587	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	60081	18.126	ug/l	97
28) Bromochloromethane	7.15	49	58167	21.640	ug/l	98
29) Tetrahydrofuran	7.17	42	121220	90.061	ug/l	98
30) Chloroform	7.33	83	113353	19.408	ug/l	99
31) Cyclohexane	7.61	56	86247	15.662	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	102058	19.646	ug/l	99
36) 1,1-Dichloropropene	7.76	75	75418	17.540	ug/l	98
37) Ethyl Acetate	6.88	43	83063	19.683	ug/l	97
38) Carbon Tetrachloride	7.73	117	84486	19.249	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	71533	15.329	ug/l	97
40) Benzene	8.00	78	230257	18.759	ug/l	100
41) Methacrylonitrile	7.14	41	38577m	20.325	ug/l	
42) 1,2-Dichloroethane	8.09	62	98803	20.017	ug/l	99
43) Isopropyl Acetate	8.13	43	134278	17.795	ug/l	99
44) Trichloroethene	8.80	130	56724	19.054	ug/l	97
45) 1,2-Dichloropropane	9.09	63	64929	19.423	ug/l	93
46) Dibromomethane	9.18	93	43008	19.574	ug/l	99
47) Bromodichloromethane	9.37	83	87679	19.208	ug/l #	97
48) Methyl methacrylate	9.17	41	64873	17.499	ug/l	98
49) 1,4-Dioxane	9.16	88	19109	359.175	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	411198	97.338	ug/l	98
52) Toluene	10.13	92	140234	19.003	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	94899	18.623	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	99129	18.442	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	58472	19.948	ug/l	99
56) Ethyl methacrylate	10.40	69	79810	17.441	ug/l	97
57) 1,3-Dichloropropane	10.68	76	99784	18.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	201922	84.117	ug/l	97
59) 2-Hexanone	10.72	43	294562	96.247	ug/l	97
60) Dibromochloromethane	10.87	129	63234	19.095	ug/l	100
61) 1,2-Dibromoethane	10.97	107	59927	19.678	ug/l	98
64) Tetrachloroethene	10.60	164	53203	20.984	ug/l	96
65) Chlorobenzene	11.41	112	150618	19.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	59469	20.526	ug/l	96
67) Ethyl Benzene	11.49	91	270050	18.143	ug/l	99
68) m/p-Xylenes	11.60	106	200942	37.444	ug/l	97
69) o-Xylene	11.92	106	93702	18.329	ug/l	98
70) Styrene	11.94	104	161323	18.818	ug/l	99
71) Bromoform	12.10	173	43118	19.977	ug/l #	97
73) Isopropylbenzene	12.23	105	258476	18.337	ug/l	100
74) N-amyl acetate	12.05	43	112542	16.867	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	84809	19.432	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	78378m	18.002	ug/l	
77) Bromobenzene	12.50	156	64284	20.274	ug/l	93
78) n-propylbenzene	12.57	91	296437	18.056	ug/l	99
79) 2-Chlorotoluene	12.65	91	184143	18.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	219264	18.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	26217	16.509	ug/l	91
82) 4-Chlorotoluene	12.75	91	192671	18.529	ug/l	100
83) tert-Butylbenzene	12.97	119	175097	18.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	216645	18.248	ug/l	100
85) sec-Butylbenzene	13.14	105	233303	17.966	ug/l	99
86) p-Isopropyltoluene	13.26	119	208473	18.202	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	114713	19.519	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	113053	18.921	ug/l	98
89) n-Butylbenzene	13.59	91	174950	16.572	ug/l	98
90) Hexachloroethane	13.85	117	38021	17.434	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	111221	19.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18241	17.551	ug/l	99

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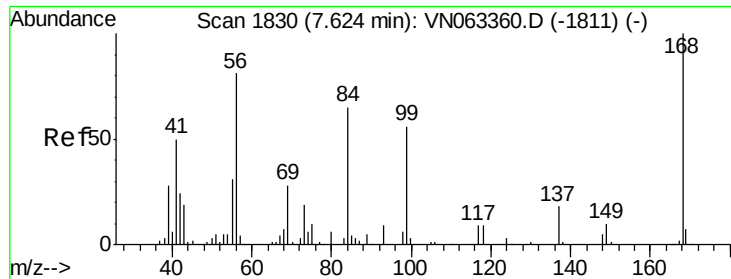
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	56728	16.677	ug/l	99
94) Hexachlorobutadiene	14.98	225	28457	20.208	ug/l	98
95) Naphthalene	15.10	128	172685	15.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	55382	16.851	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:168 Resp: 234223

Ion Ratio Lower Upper

168 100

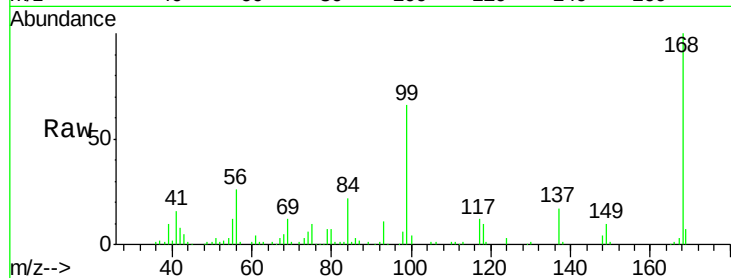
99 65.8 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

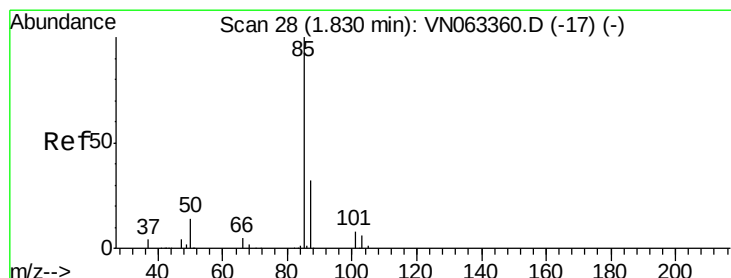
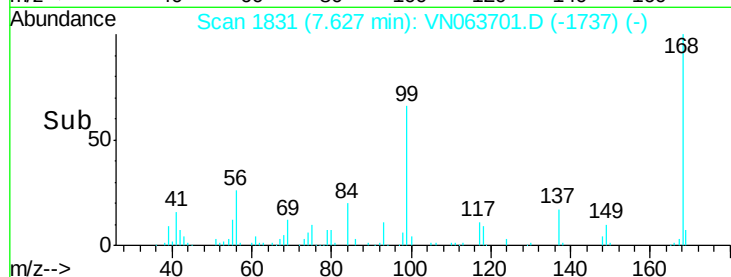
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.710 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063701.D

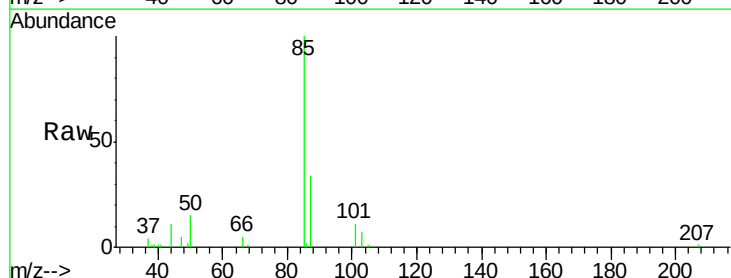
Acq: 28 Sep 2020 13:28

Tgt Ion: 85 Resp: 44341

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

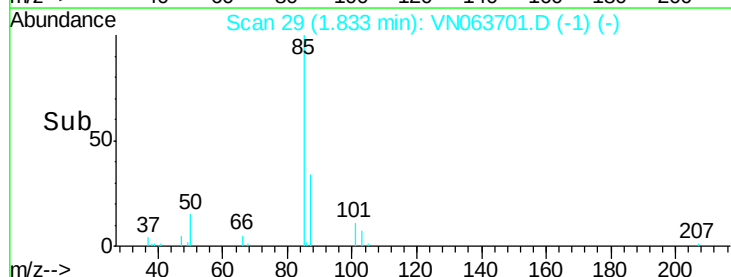
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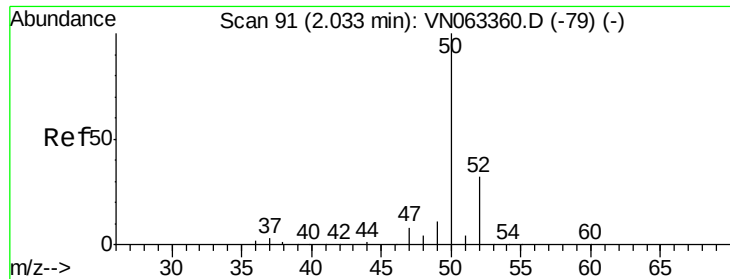
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.152 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 50 Resp: 56698

Ion Ratio Lower Upper

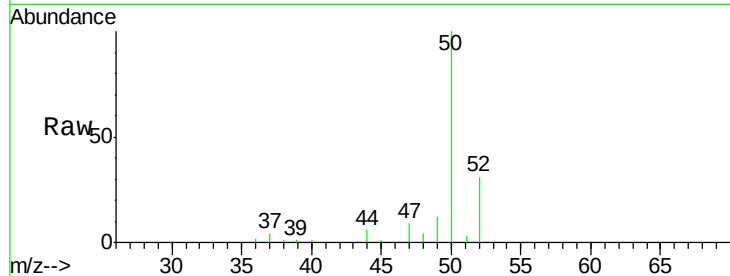
50 100

52 31.0 25.9 38.9

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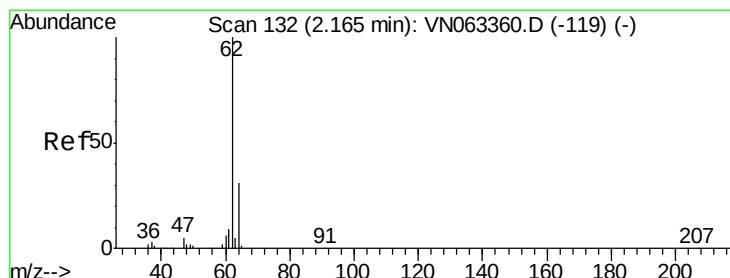
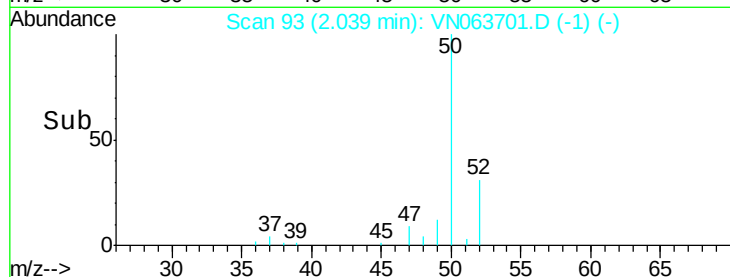
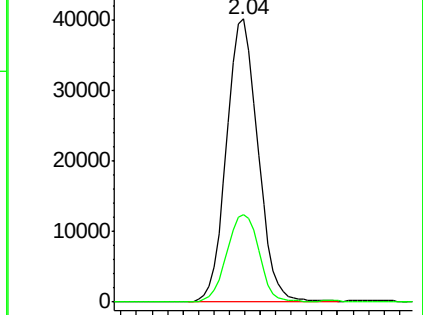
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.792 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063701.D

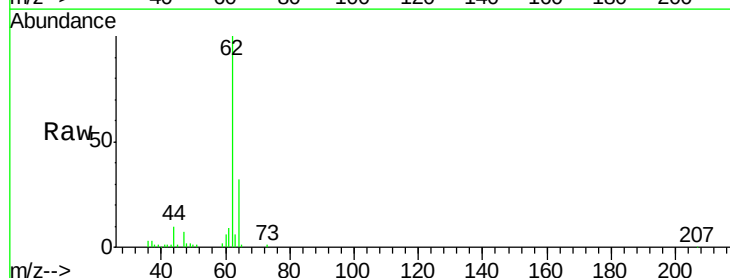
Acq: 28 Sep 2020 13:28

Tgt Ion: 62 Resp: 55336

Ion Ratio Lower Upper

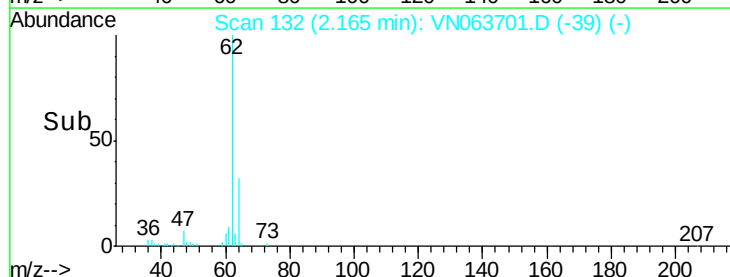
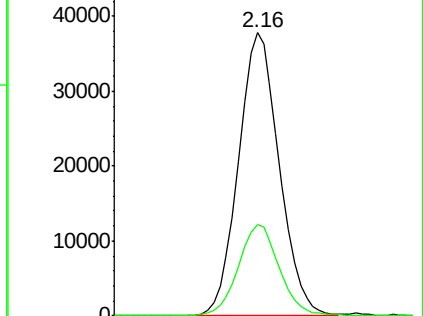
62 100

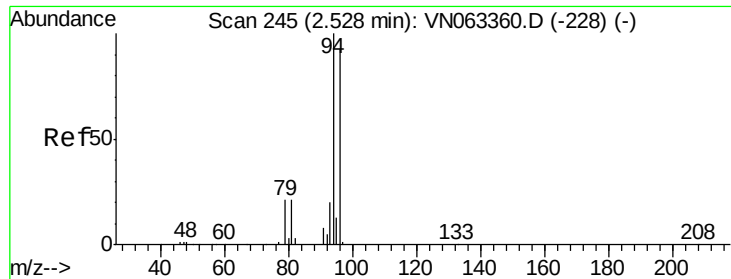
64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.126 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

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Tot Ion: 94 Resp: 39012

Ion Ratio Lower Upper

94 100

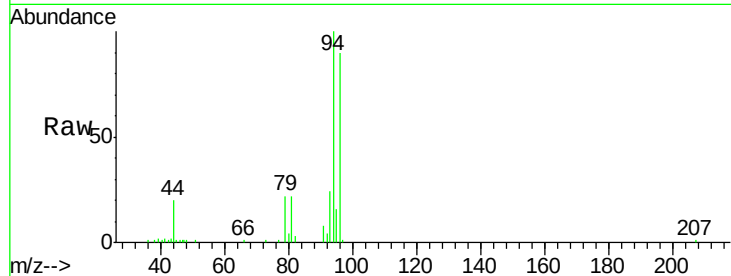
96 90.4 74.5 111.7

Manual Integrations

APPROVED

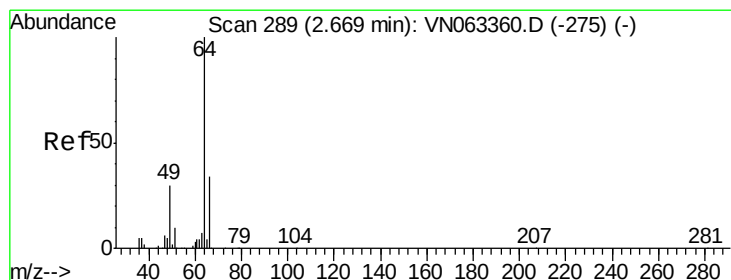
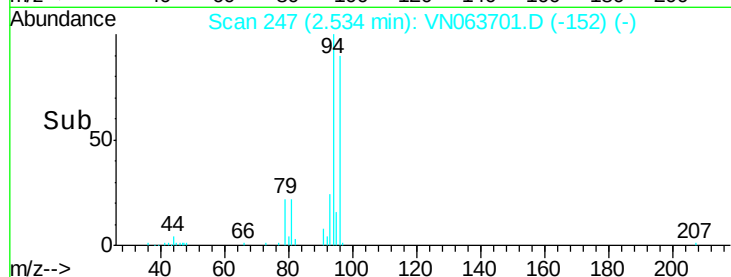
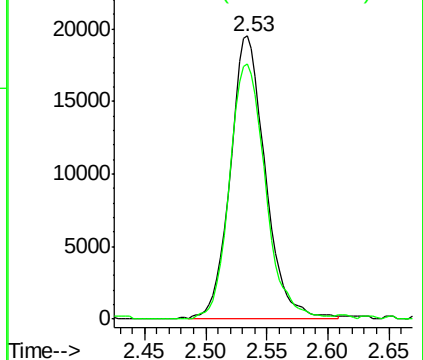
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.155 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063701.D

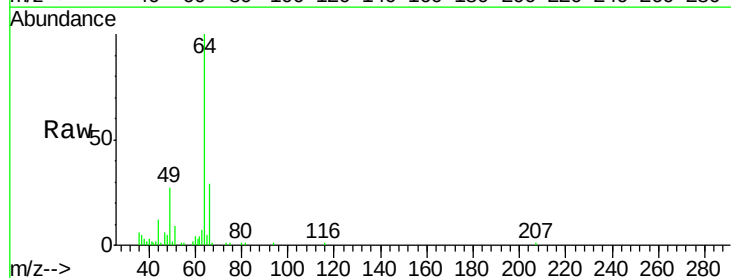
Acq: 28 Sep 2020 13:28

Tgt Ion: 64 Resp: 36570

Ion Ratio Lower Upper

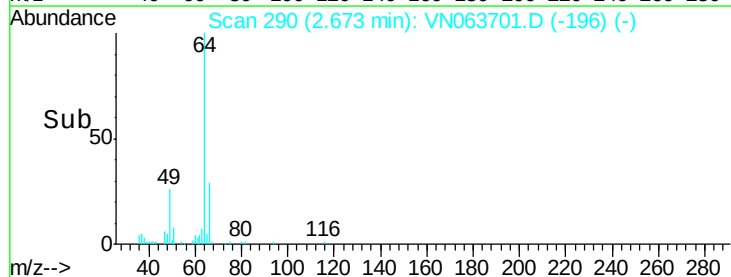
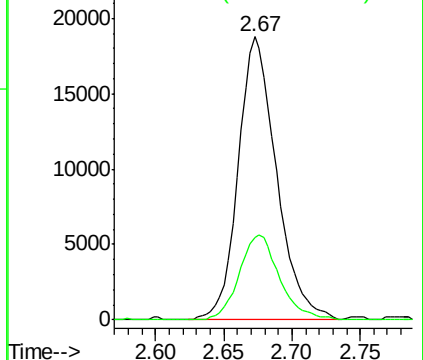
64 100

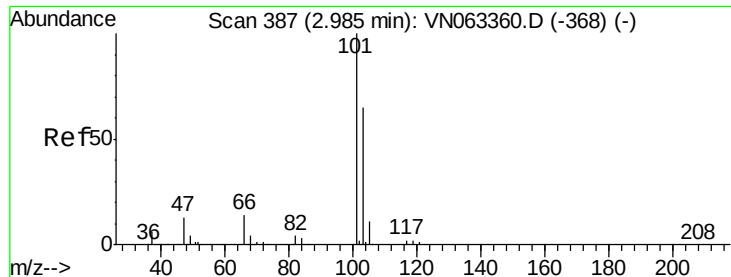
66 29.2 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

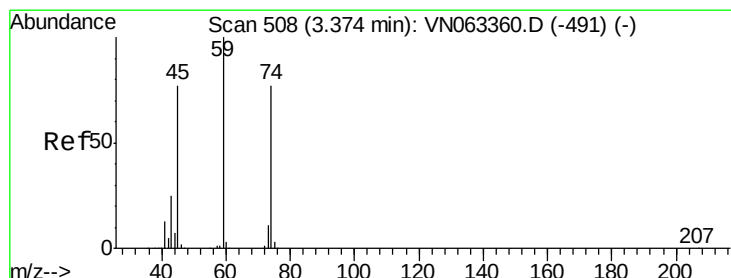
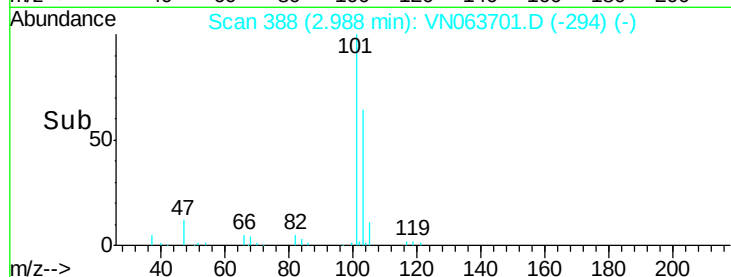
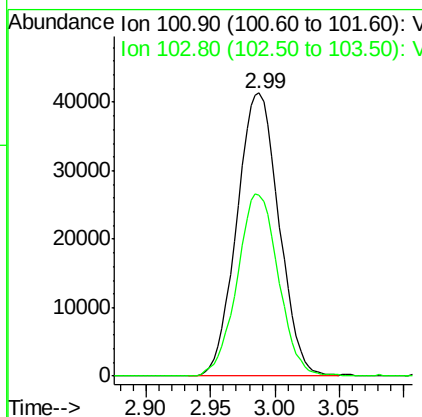
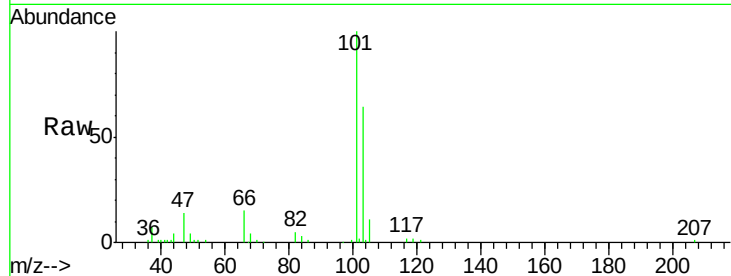
Trichlorofluoromethane
 Concen: 20.252 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93972		
103	64.0	52.3	78.5		

Manual Integrations
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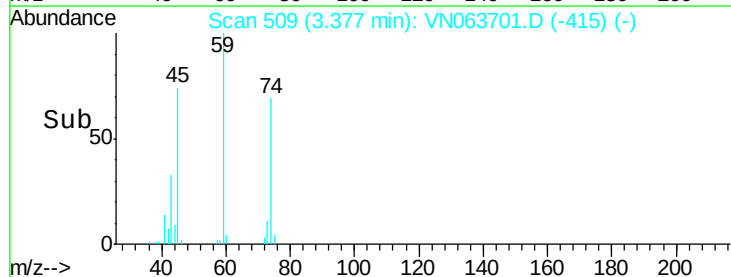
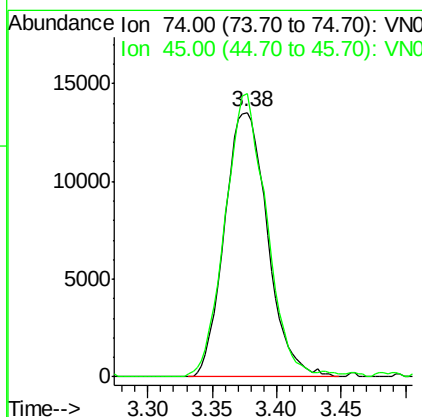
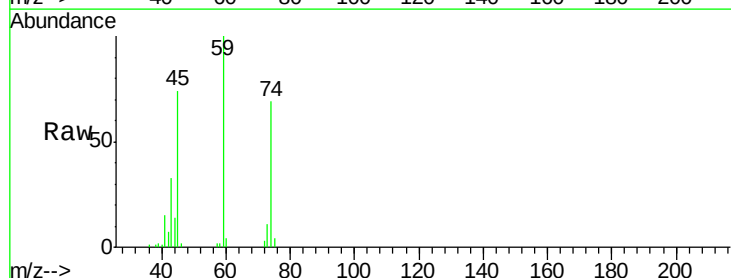
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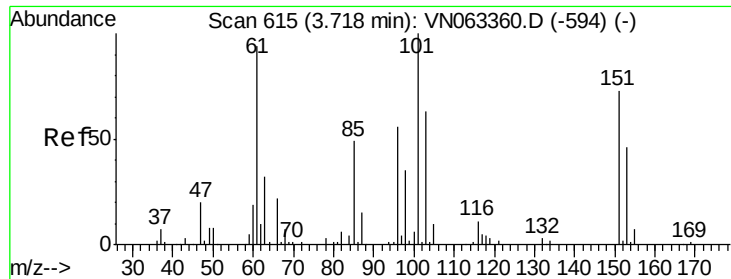


#8

Diethyl Ether
 Concen: 17.353 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		31390		
45	103.1	52.1	156.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.616 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

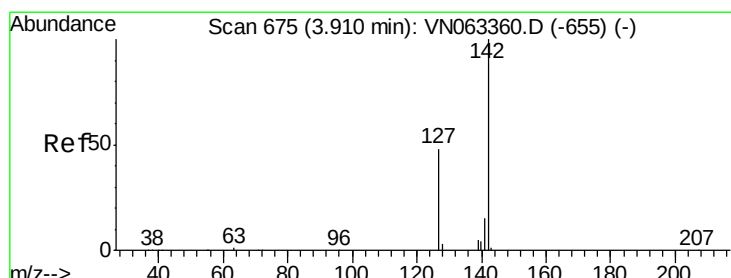
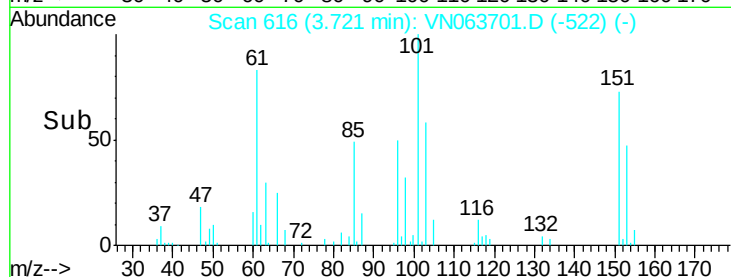
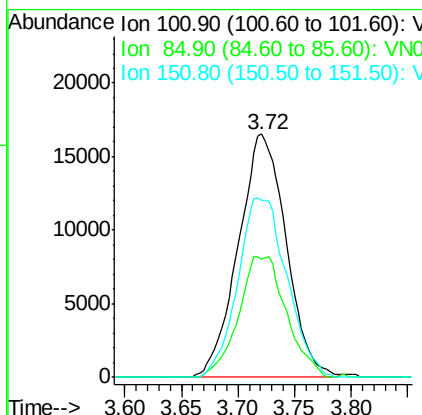
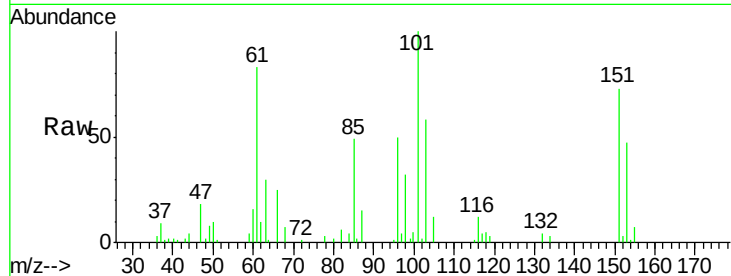
ClientSampleId :

VN0928WBS01

Tot Ion:	101	Resp:	48581
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.7	56.5
151	75.9	57.7	86.5

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#10

Methyl Iodide

Concen: 17.260 ug/l

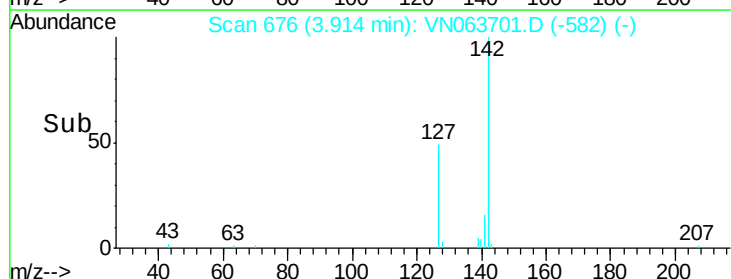
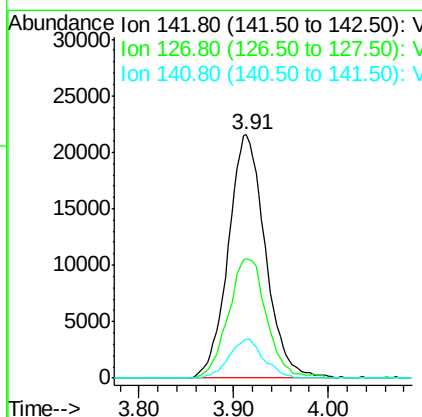
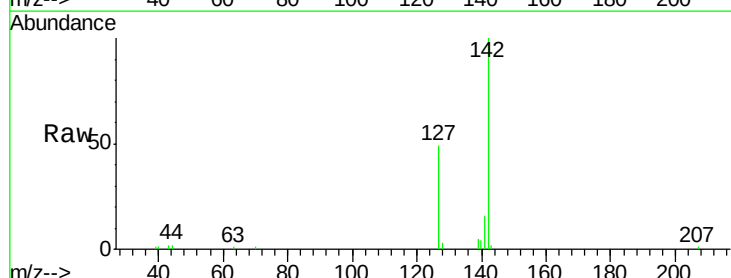
RT: 3.91 min Scan# 676

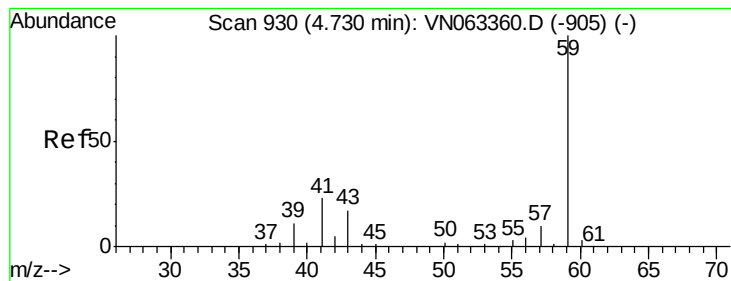
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	142	Resp:	58642
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.0	58.6
141	14.9	11.6	17.4





#11

Tert butyl alcohol

Concen: 83.937 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 59 Resp: 46363

Ion Ratio Lower Upper

59 100

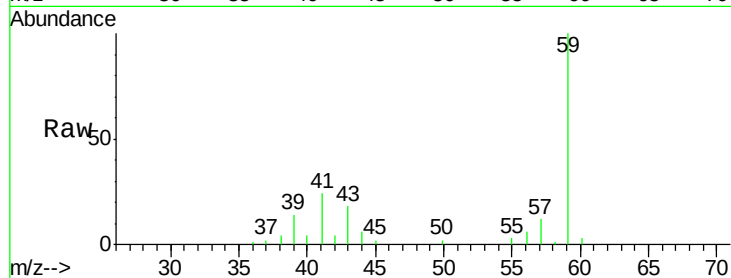
57 12.0 8.4 12.6

Manual Integrations

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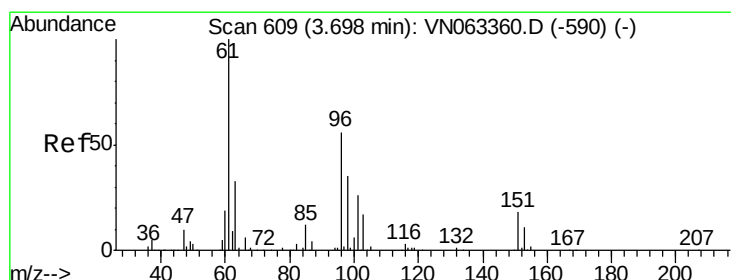
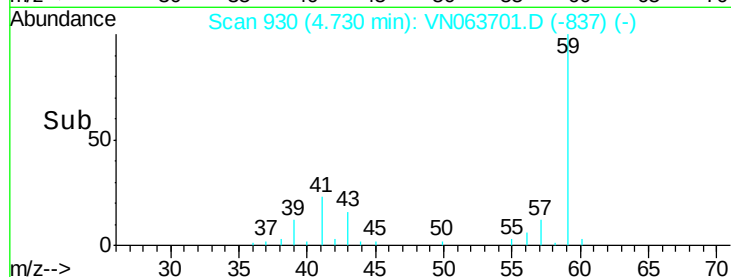
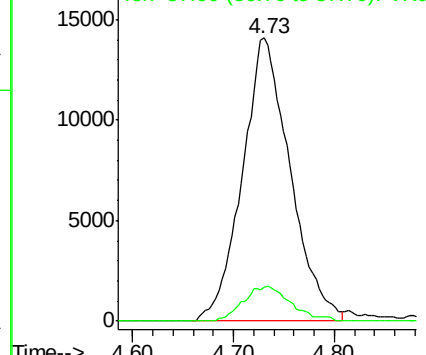
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.016 ug/l

RT: 3.70 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

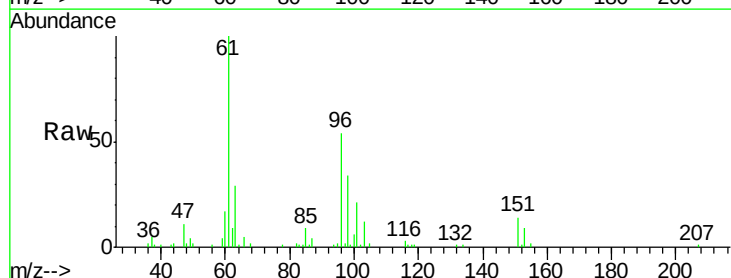
Tgt Ion: 96 Resp: 44976

Ion Ratio Lower Upper

96 100

61 186.7 143.4 215.2

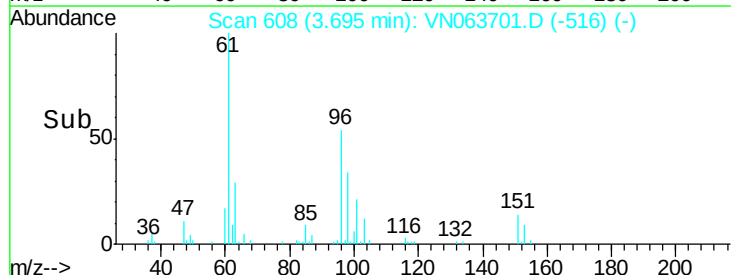
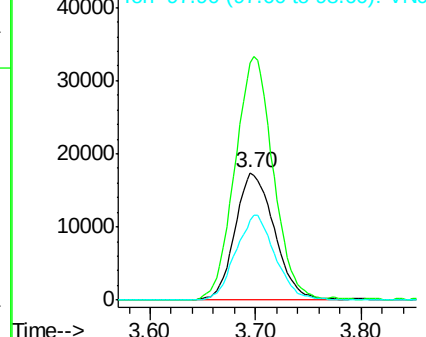
98 62.7 50.6 76.0

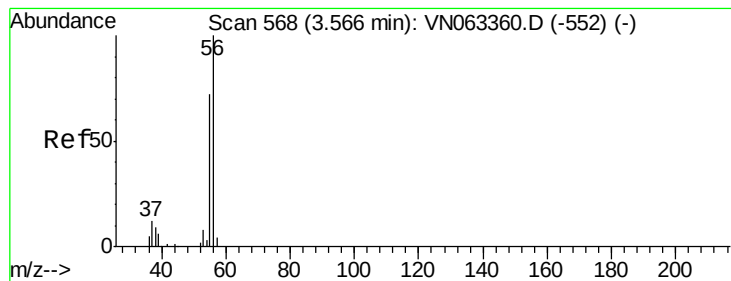


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 68.351 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 56 Resp: 13991

Ion Ratio Lower Upper

56 100

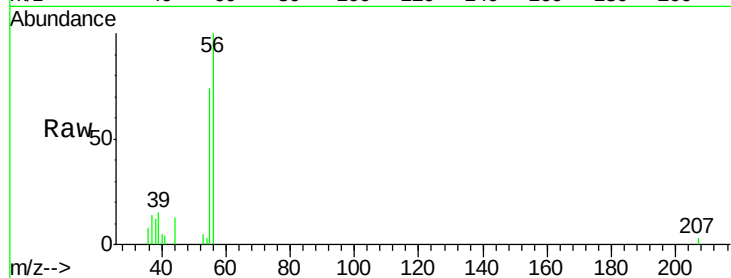
55 77.0 58.2 87.2

Manual Integrations

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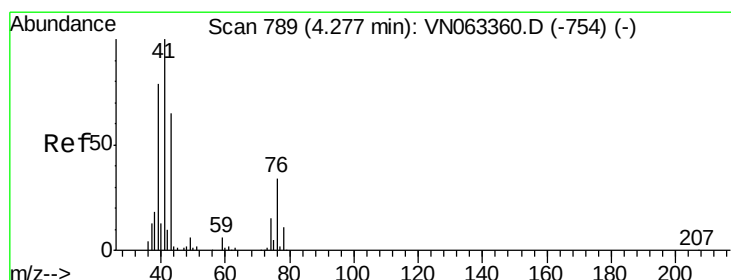
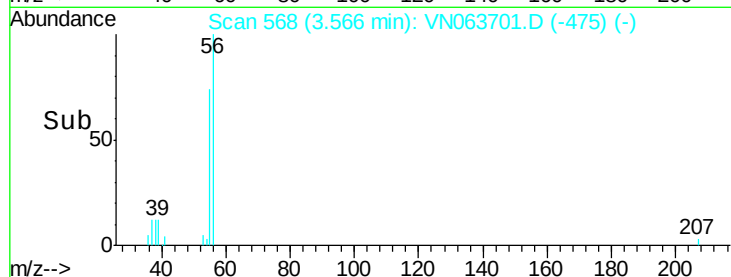
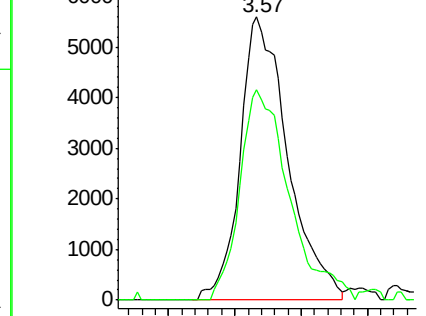
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.975 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

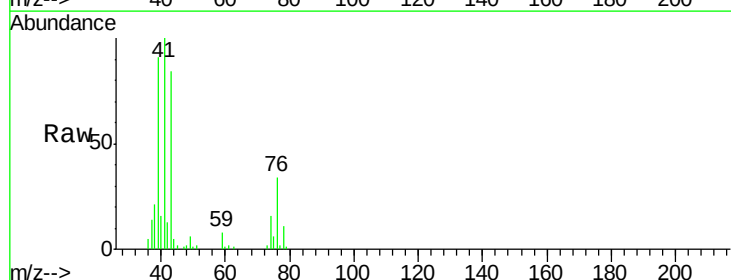
Tgt Ion: 41 Resp: 88751

Ion Ratio Lower Upper

41 100

39 82.5 59.3 88.9

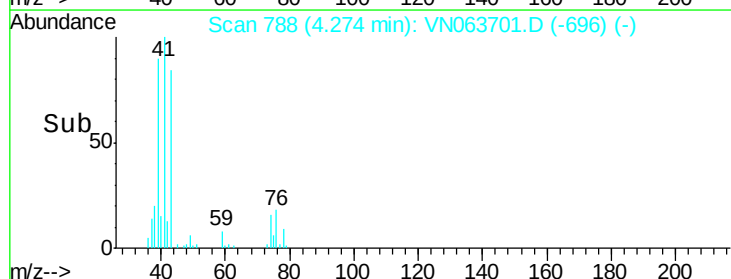
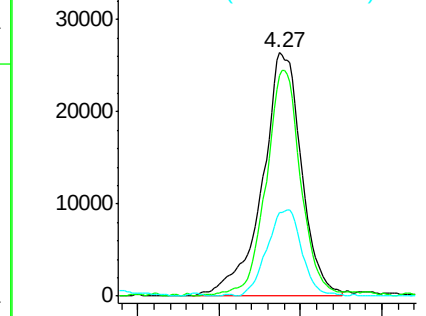
76 31.4 25.3 37.9

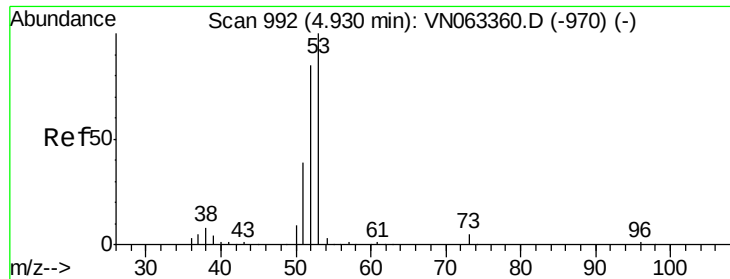


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





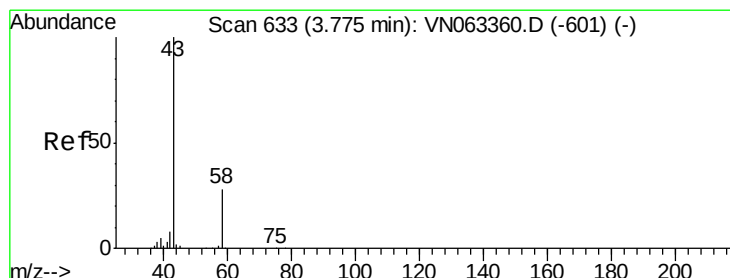
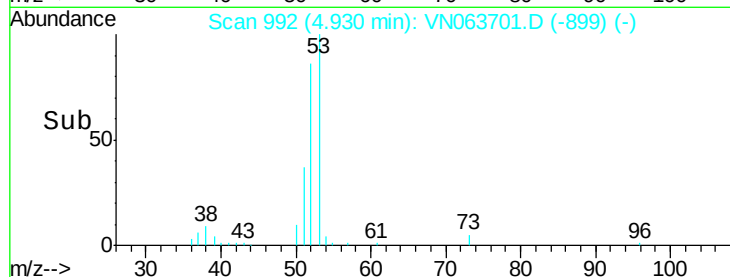
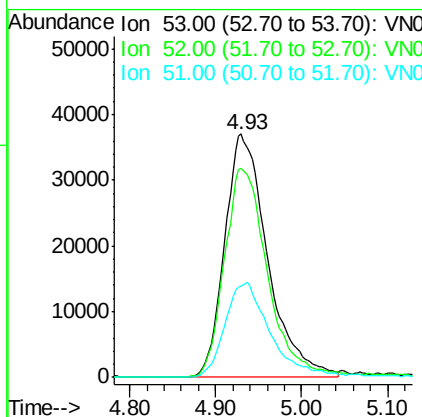
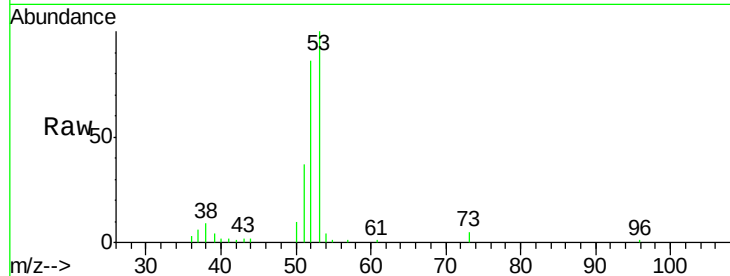
#15
 Acrylonitrile
 Concen: 91.403 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	86.7	66.4	99.6
51	40.7	30.2	45.4

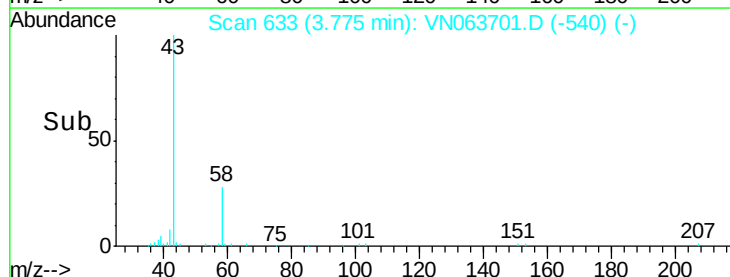
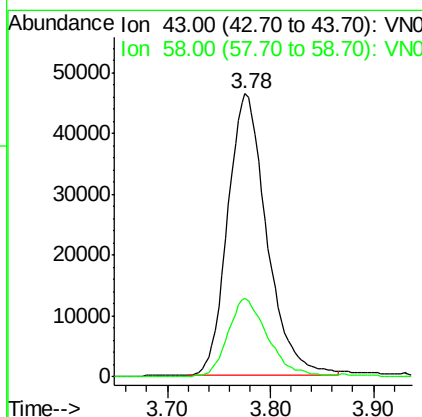
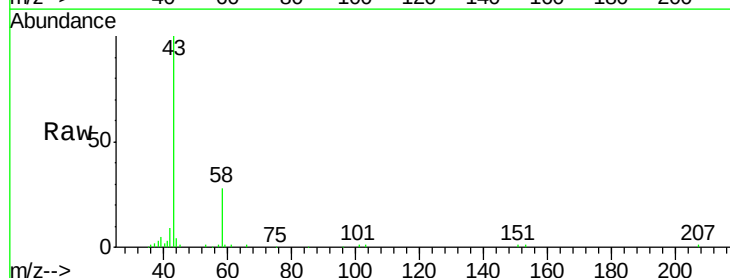
Manual Integrations
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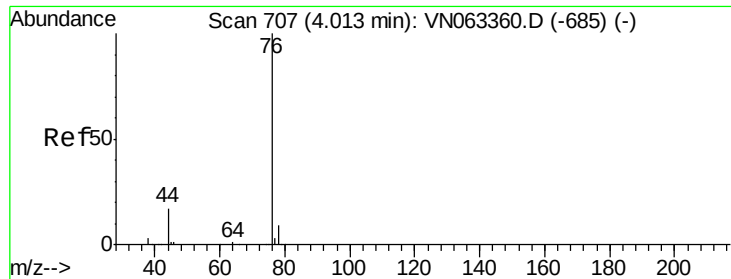
MMDadoda
 9/29/2020 4:37:58 PM



#16
 Acetone
 Concen: 94.726 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.3	33.5





#17

Carbon Disulfide

Concen: 15.458 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 76 Resp: 118846

Ion Ratio Lower Upper

76 100

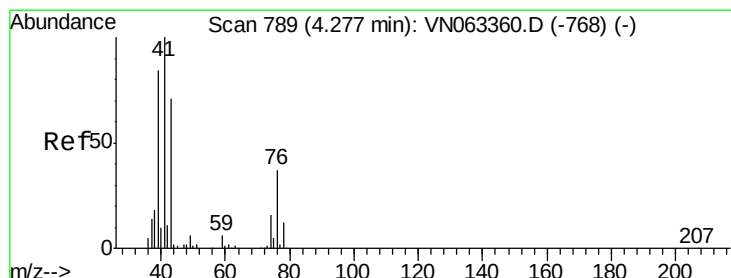
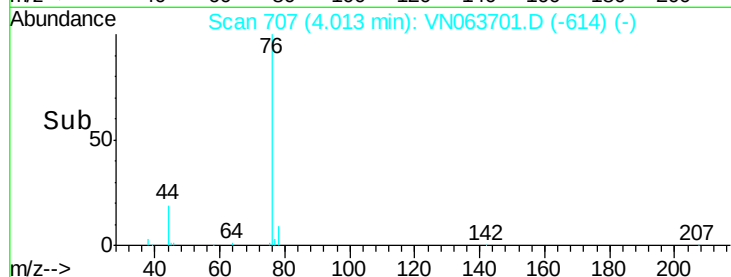
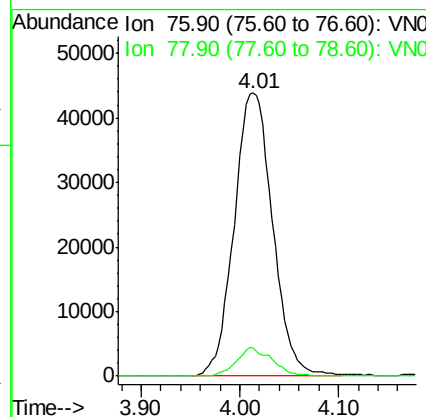
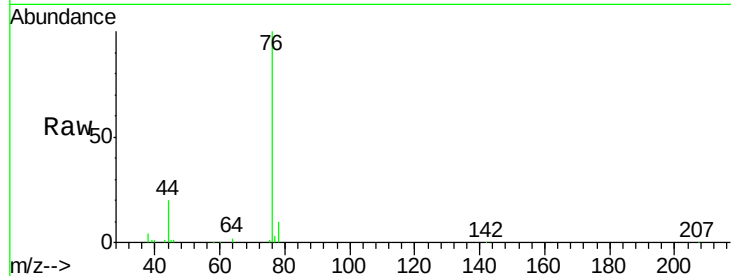
78 10.0 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.616 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063701.D

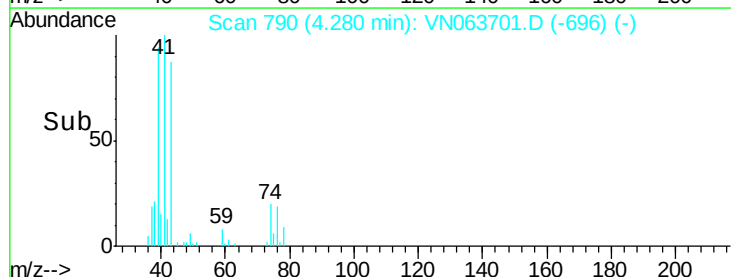
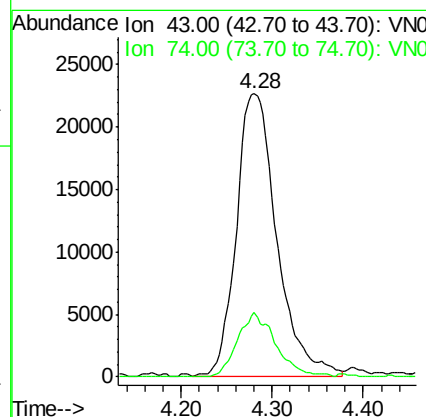
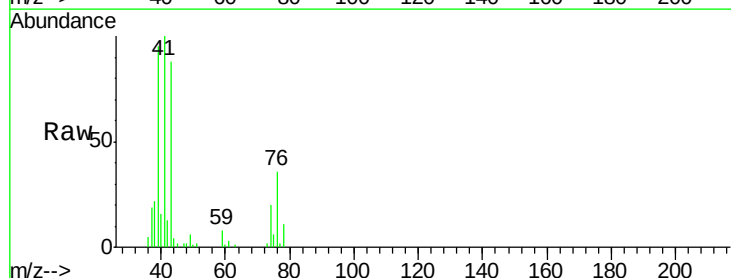
Acq: 28 Sep 2020 13:28

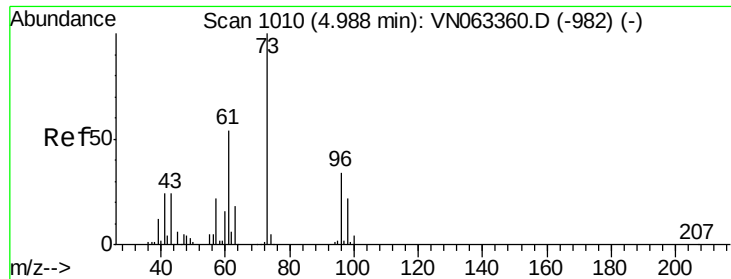
Tgt Ion: 43 Resp: 70317

Ion Ratio Lower Upper

43 100

74 21.2 17.4 26.2





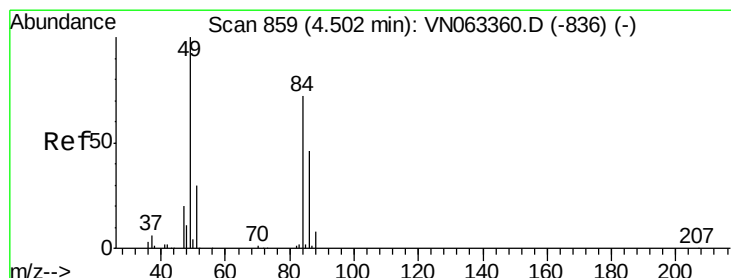
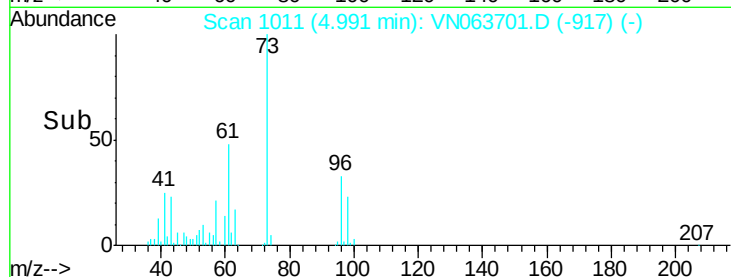
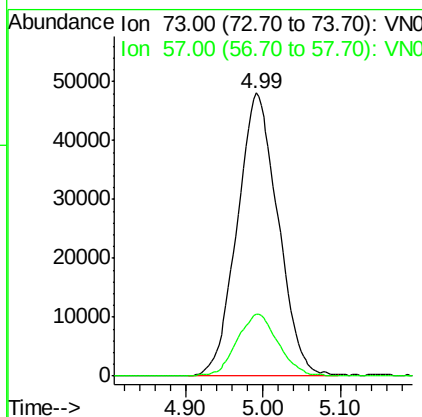
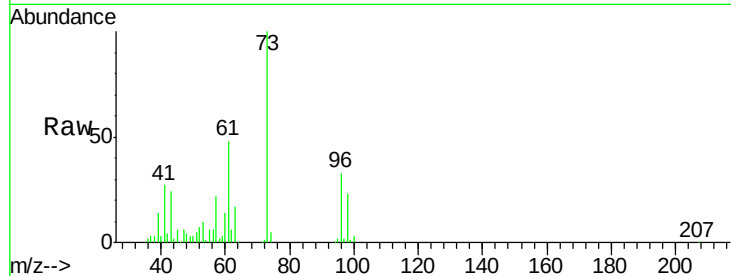
#19
Methvl tert-butvl Ether
Concen: 17.913 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion: 73 Resp: 176465
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9

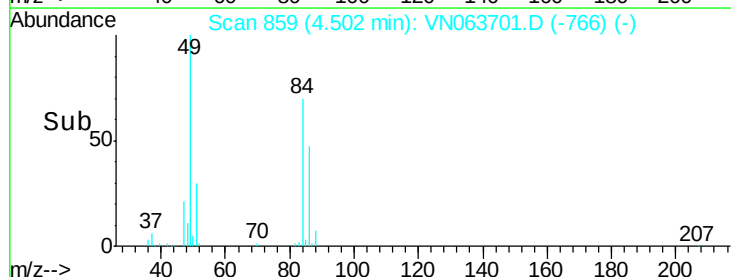
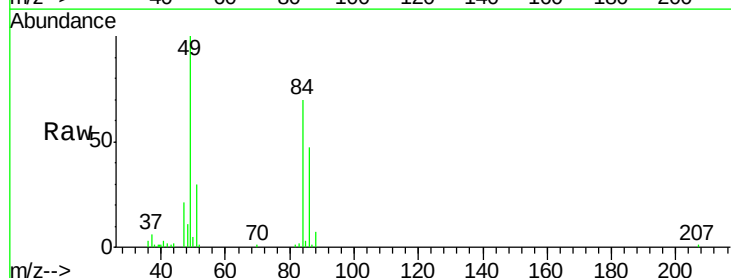
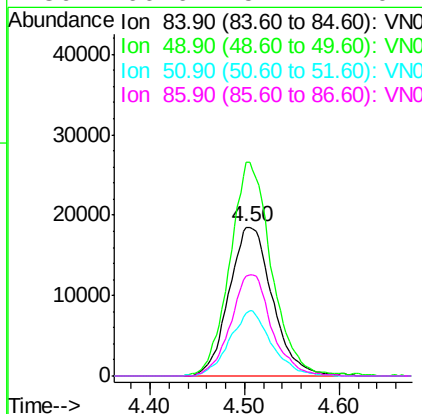
Manual Integrations
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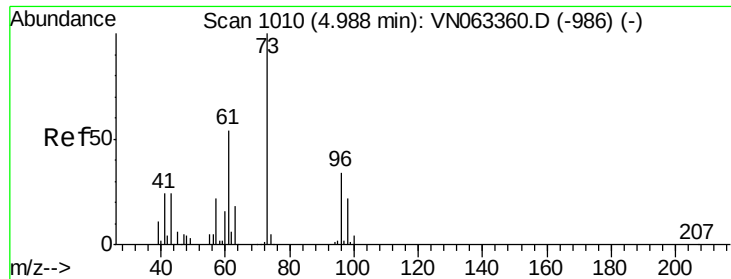
MMDadoda
9/29/2020 4:37:58 PM



#20
Methylene Chloride
Concen: 18.194 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion: 84 Resp: 59069
Ion Ratio Lower Upper
84 100
49 141.8 110.7 166.1
51 42.5 32.9 49.3
86 66.6 51.1 76.7





#21

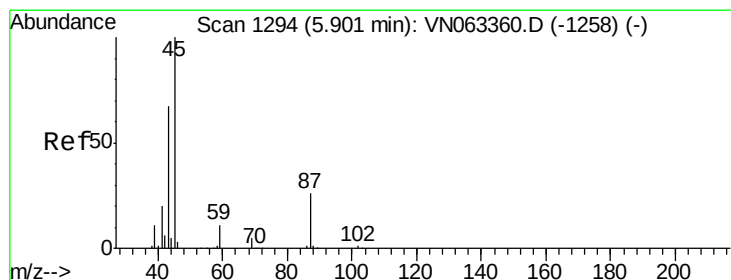
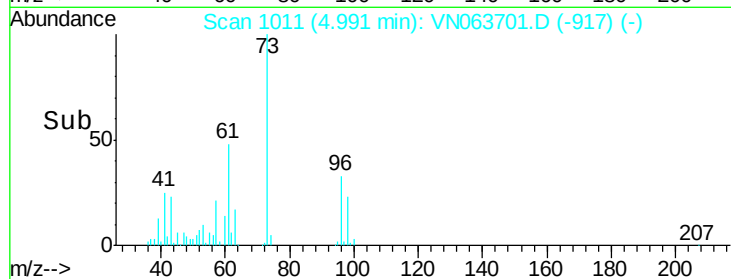
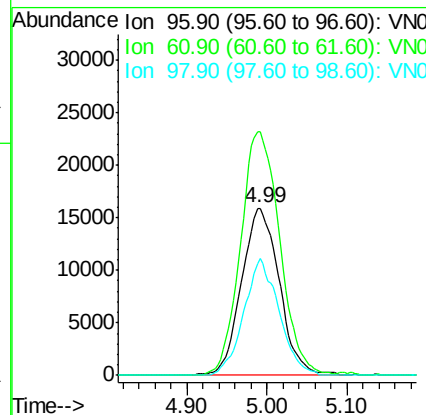
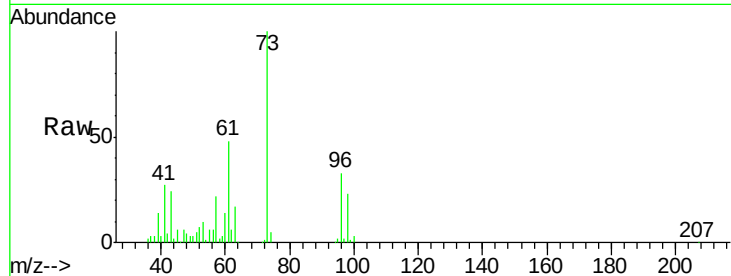
trans-1,2-Dichloroethene
Concen: 17.469 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	126.2	189.4
98	69.9	51.0	76.4

Manual Integrations
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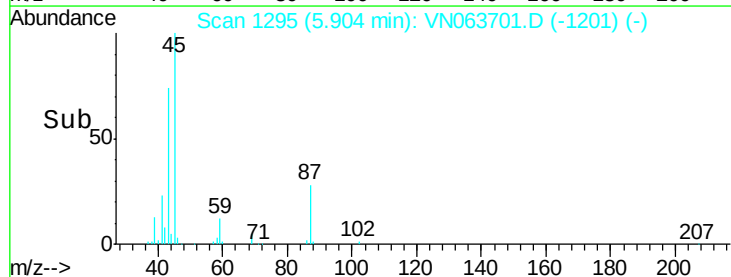
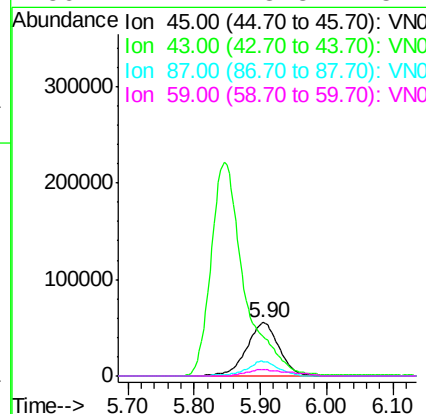
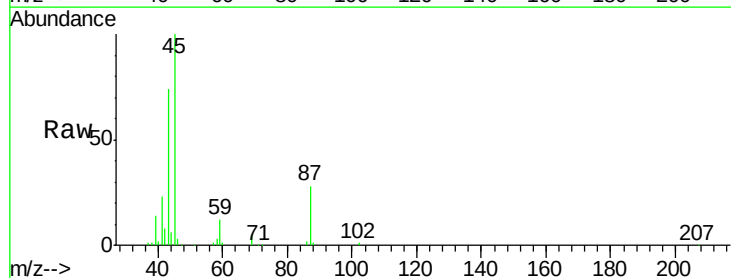
MMDadoda
9/29/2020 4:37:58 PM

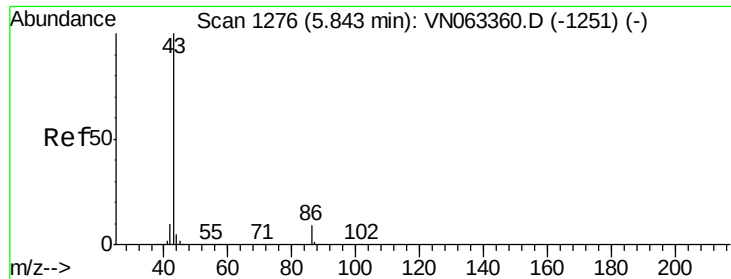


#22

Diisopropyl ether
Concen: 17.563 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.5	53.5	80.3
87	27.5	21.2	31.8
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 88.150 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 43 Resp: 771946

Ion Ratio Lower Upper

43 100

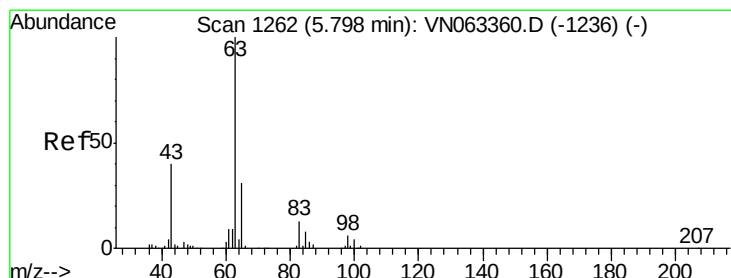
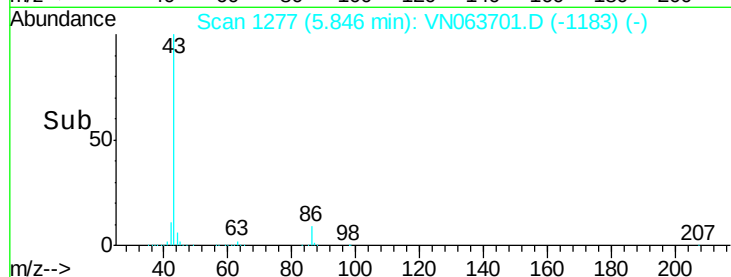
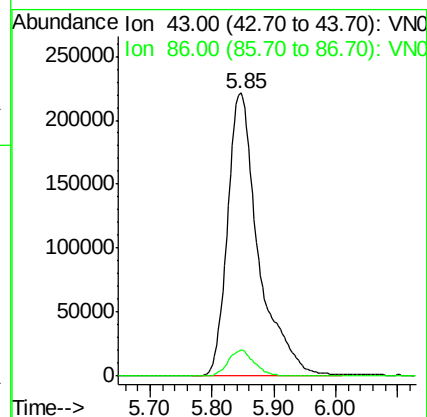
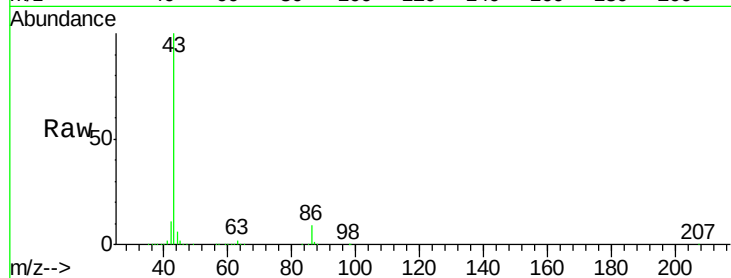
86 9.1 7.1 10.7

Manual Integrations

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MMDadoda

9/29/2020 4:37:58 PM



#24

1,1-Dichloroethane

Concen: 18.587 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

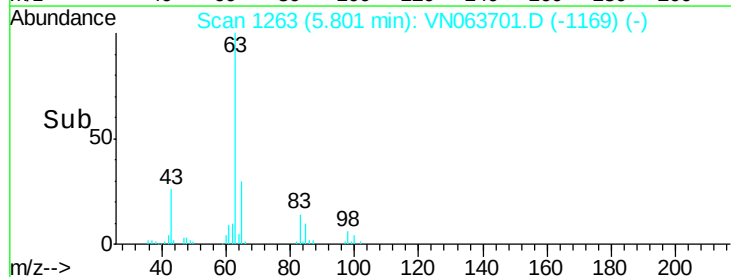
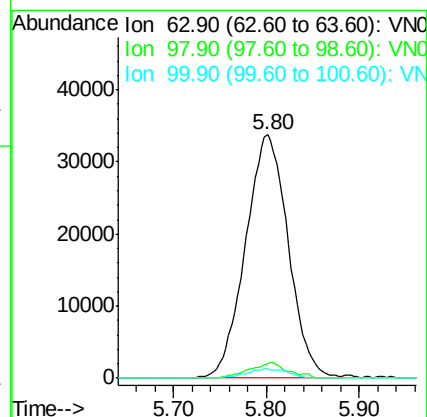
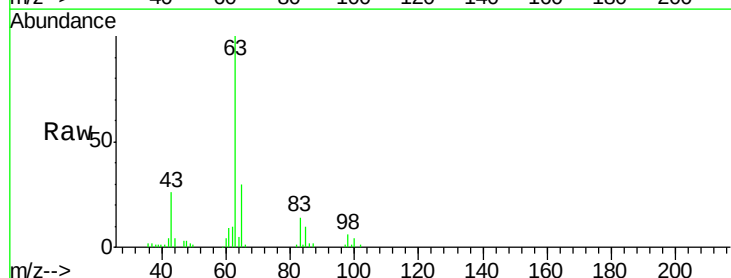
Tgt Ion: 63 Resp: 108205

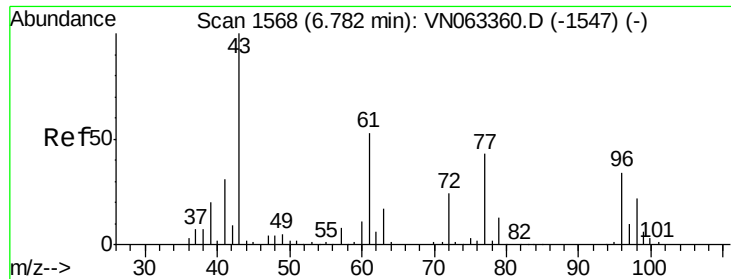
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 93.578 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 43 Resp: 184418

Ion Ratio Lower Upper

43 100

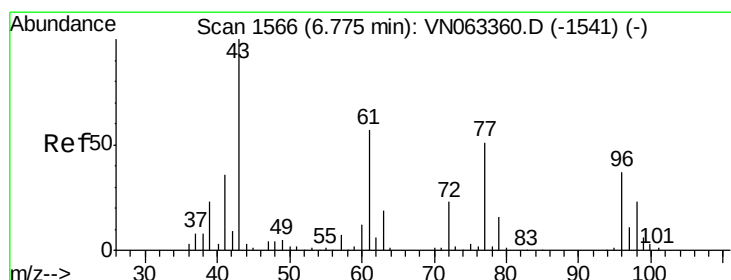
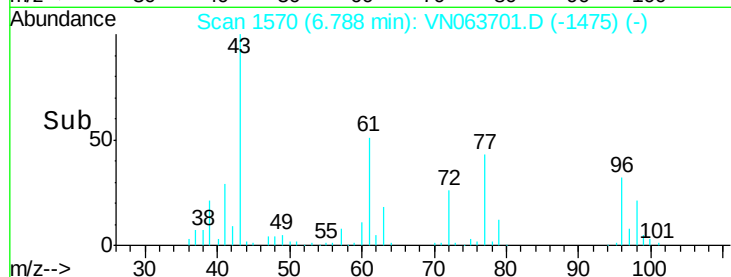
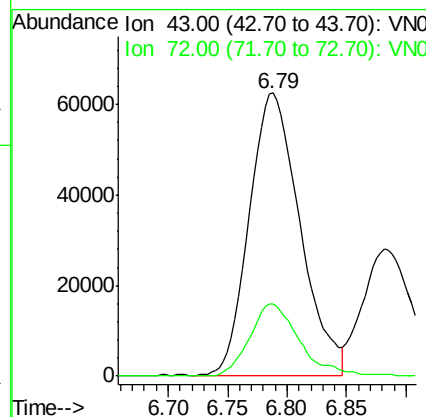
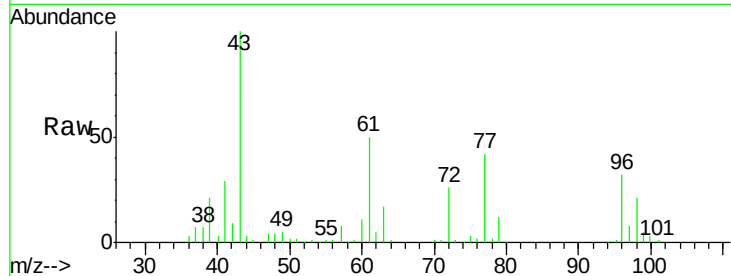
72 25.6 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/29/2020 4:37:58 PM



#26

2,2-Dichloropropane

Concen: 18.587 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN063701.D

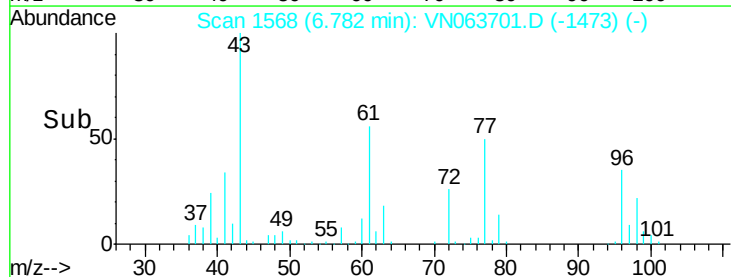
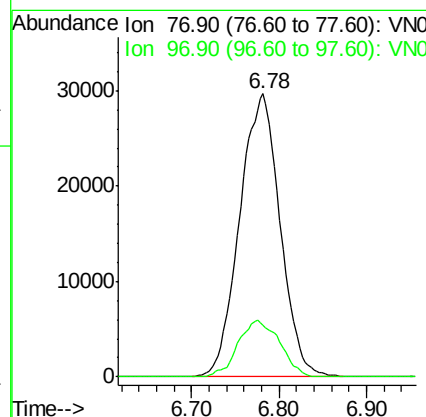
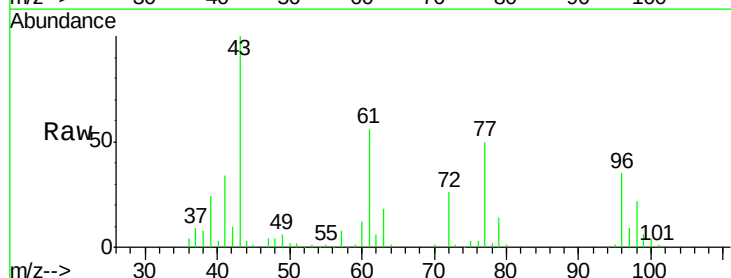
Acq: 28 Sep 2020 13:28

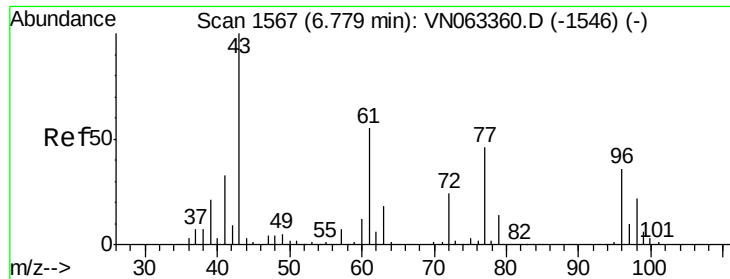
Tgt Ion: 77 Resp: 95269

Ion Ratio Lower Upper

77 100

97 20.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.126 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

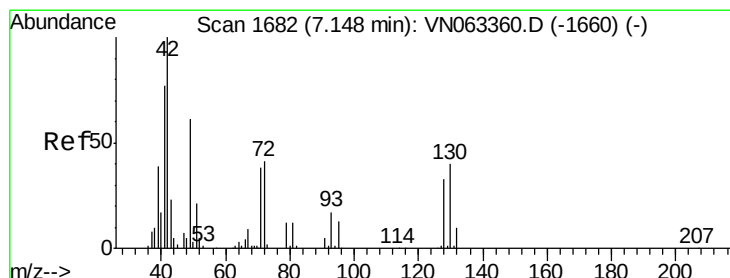
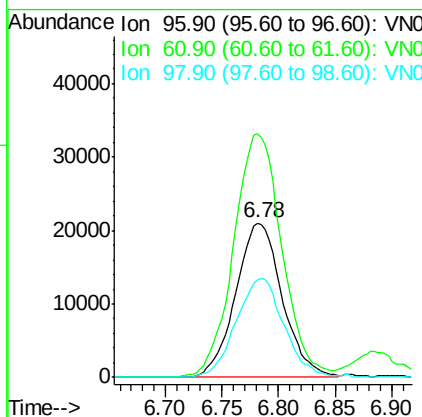
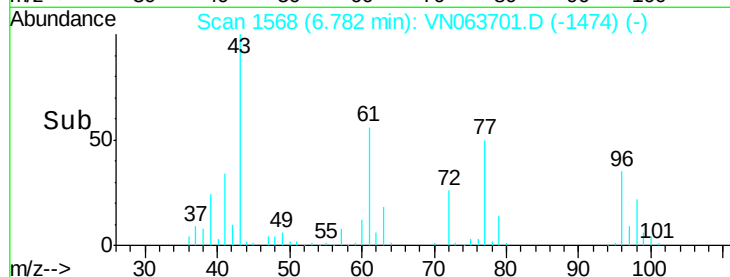
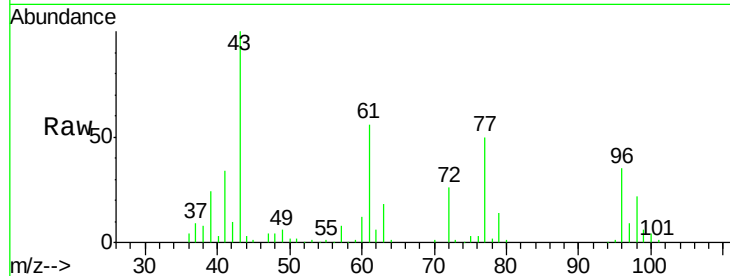
ClientSampleId :

VN0928WBS01

Tot Ion:	96	Resp:	60081
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	319.6
98	65.6	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 21.640 ug/l

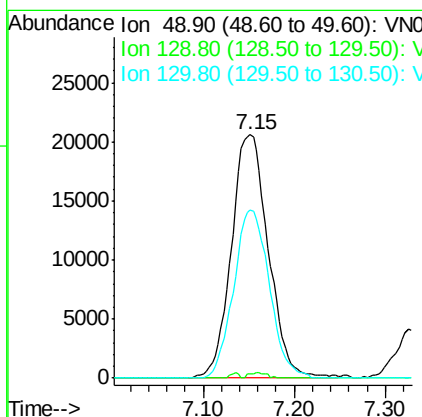
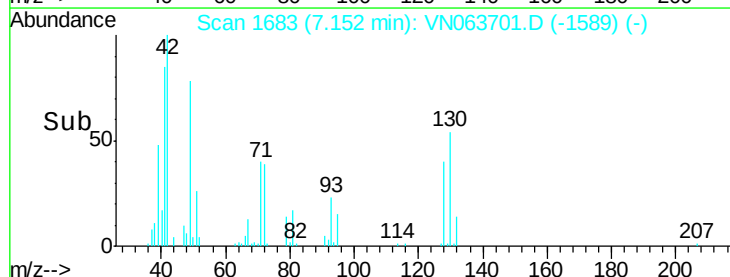
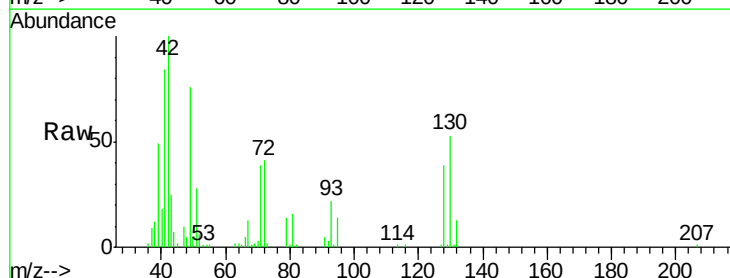
RT: 7.15 min Scan# 1683

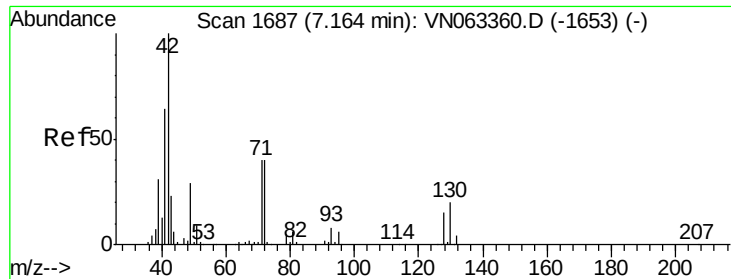
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	49	Resp:	58167
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	66.7	52.2	78.2





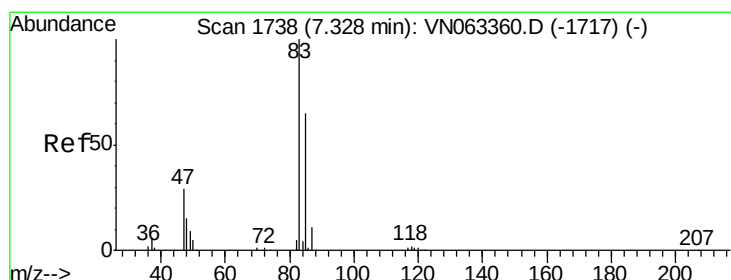
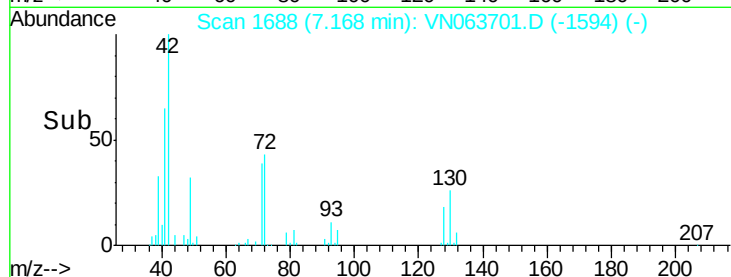
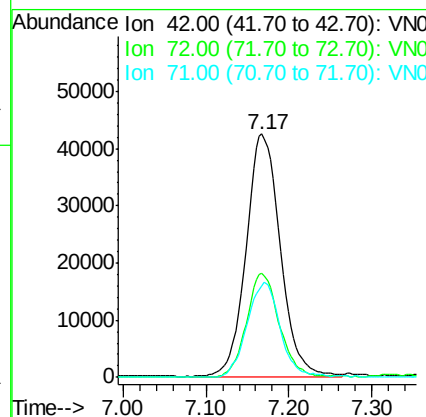
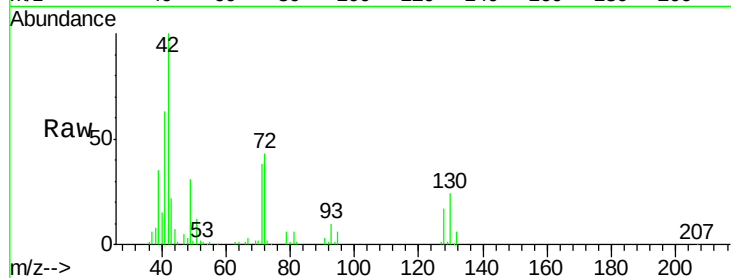
#29
Tetrahydrofuran
Concen: 90.061 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.1	48.1
71	38.0	31.2	46.8

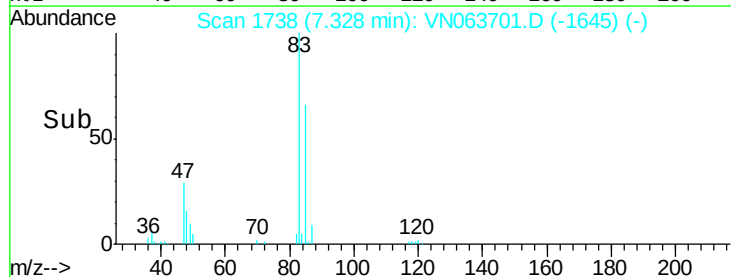
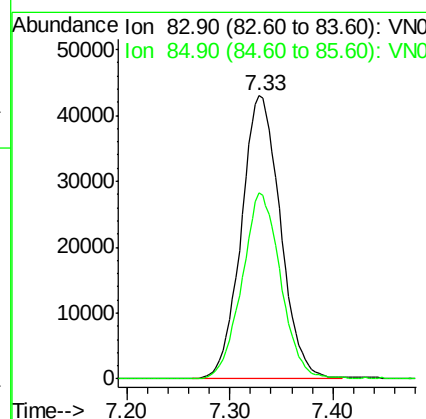
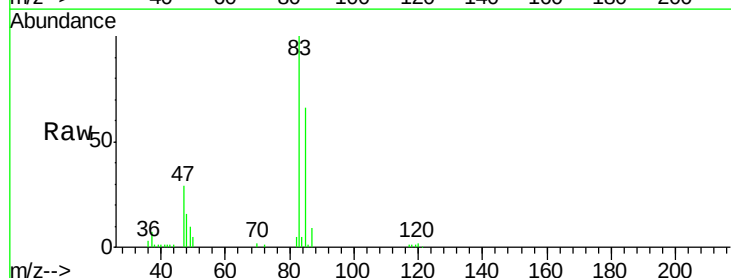
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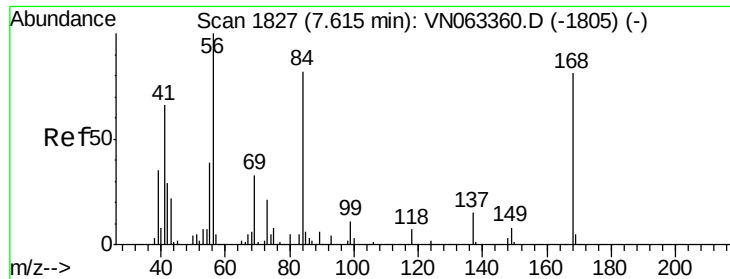
MMDadoda
9/29/2020 4:37:58 PM



#30
Chloroform
Concen: 19.408 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1





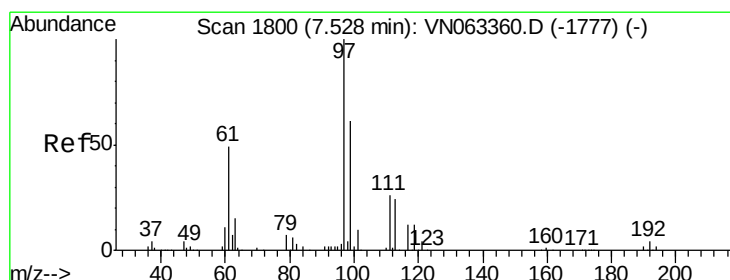
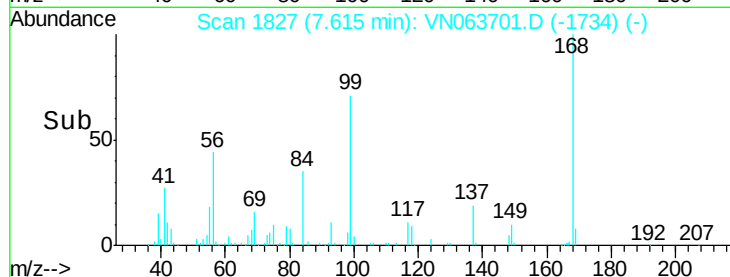
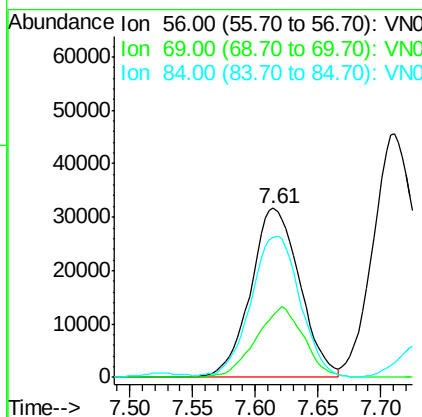
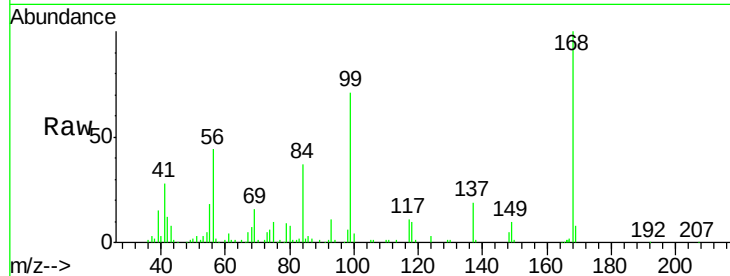
#31
Cyclohexane
Concen: 15.662 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		86247		
69	36.6	26.1	39.1		
84	81.6	65.4	98.2		

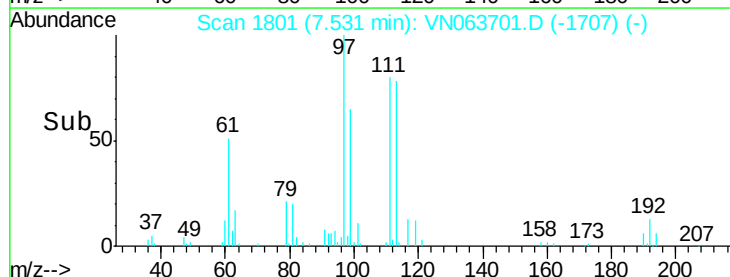
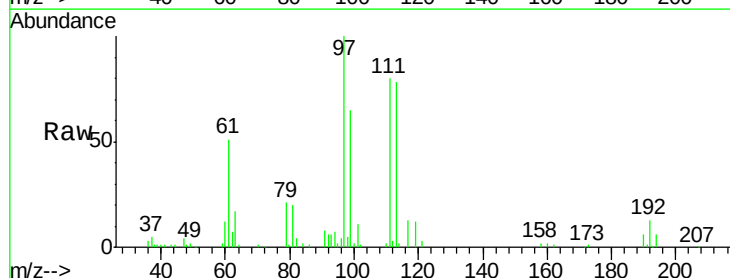
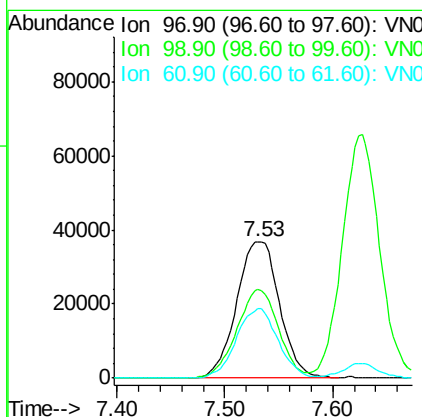
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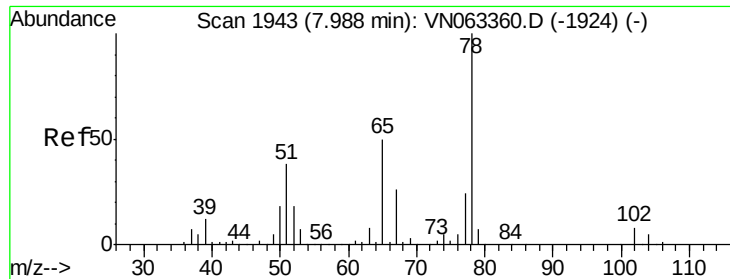
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.646 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		102058		
99	62.9	50.6	76.0		
61	49.4	39.2	58.8		





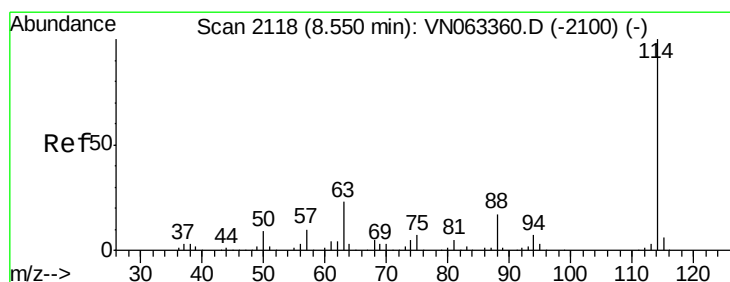
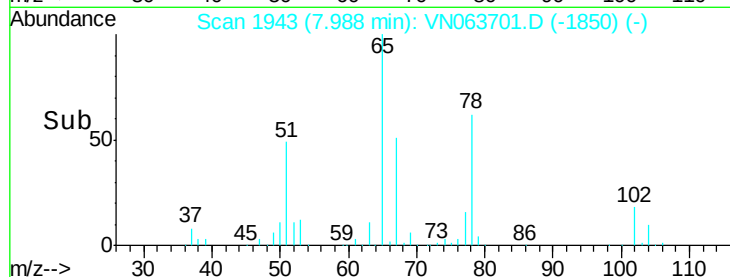
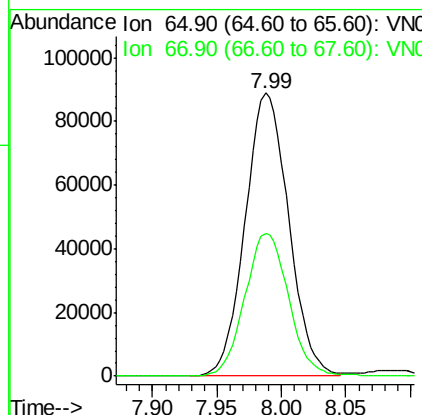
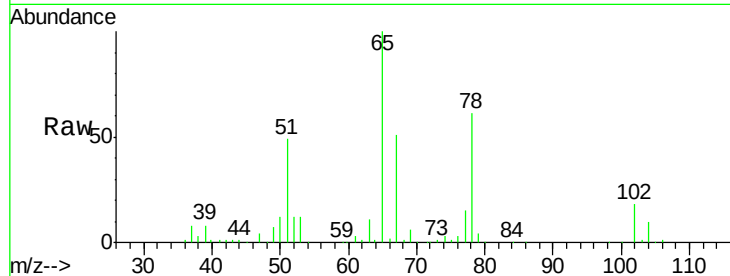
#33
 1,2-Dichloroethane-d4
 Concen: 52.462 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209171		
67	50.6	0.0	104.2	

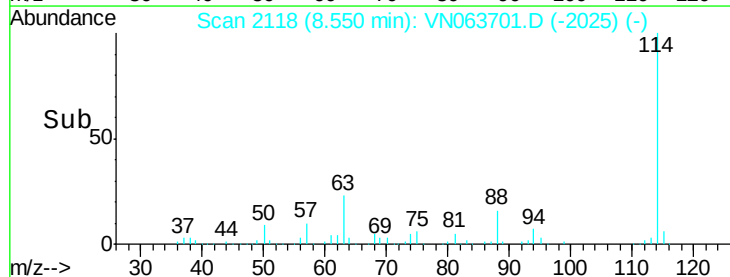
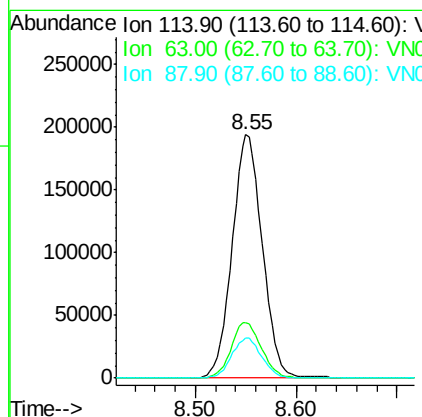
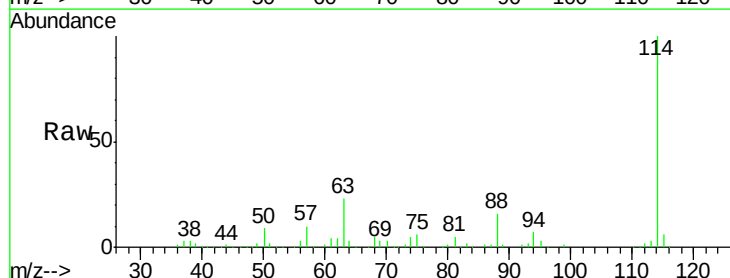
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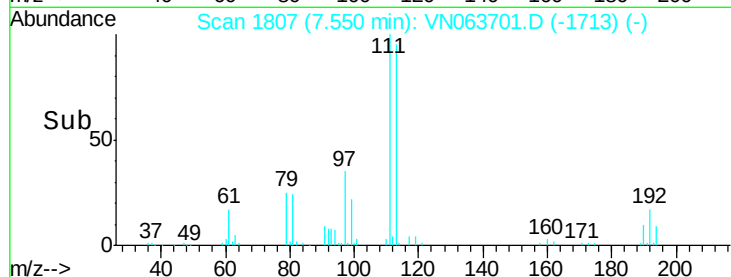
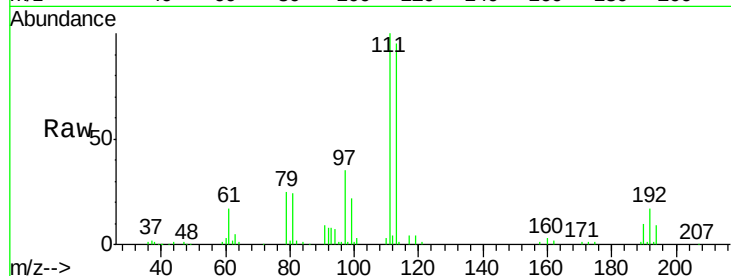
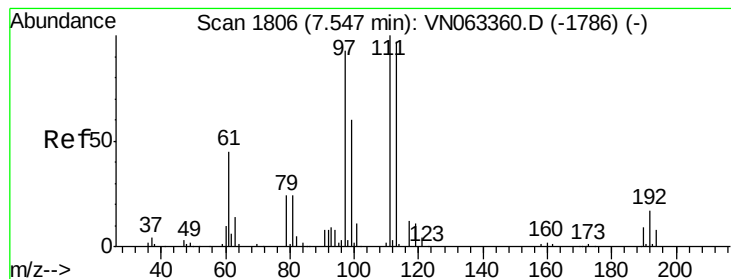
MMDadoda
 9/29/2020 4:37:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403598		
63	23.0	0.0	46.4	
88	16.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.102 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063701.D

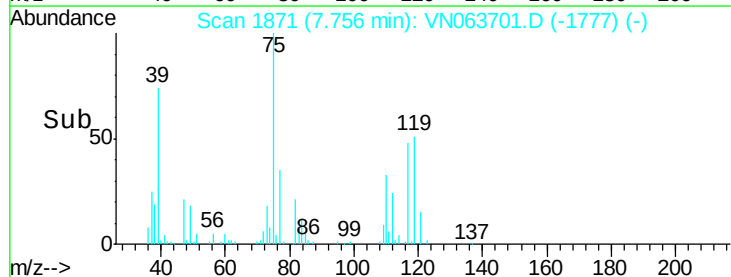
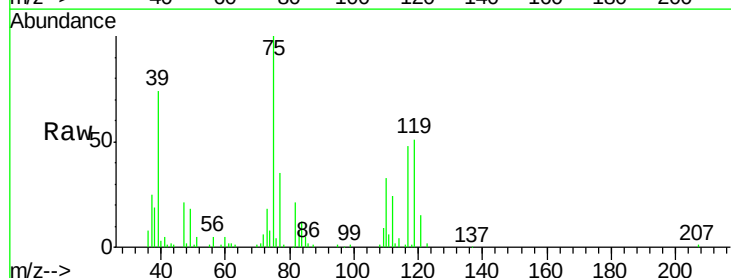
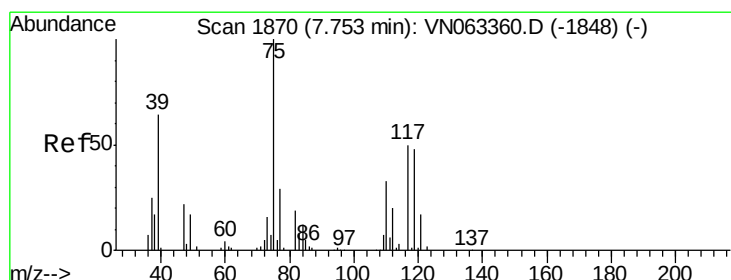
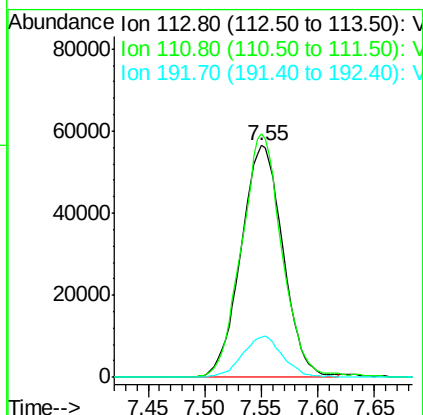
Acq: 28 Sep 2020 13:28

Tot Ion:	113	Resp:	145575
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.9	124.3
192	17.0	13.9	20.9

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

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#36

1,1-Dichloropropene

Concen: 17.540 ug/l

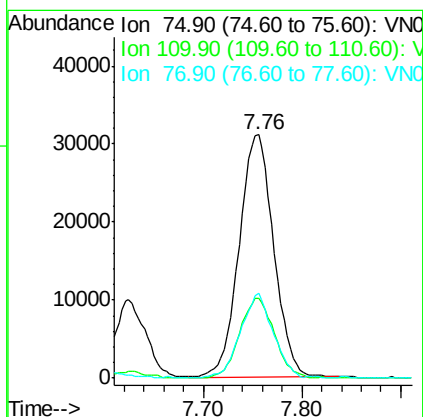
RT: 7.76 min Scan# 1871

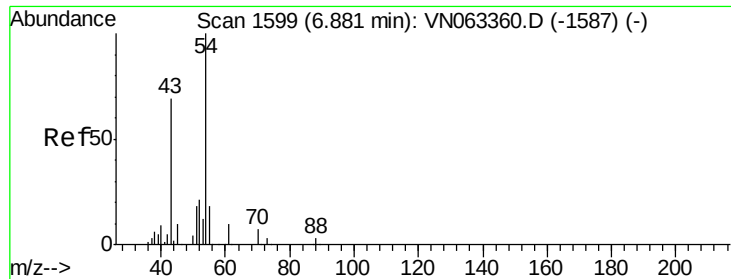
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	75	Resp:	75418
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.5	49.5
77	32.9	24.6	36.8





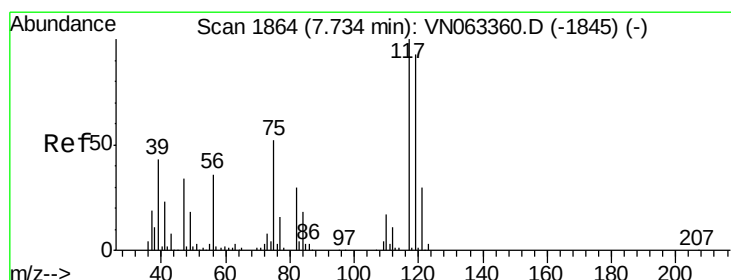
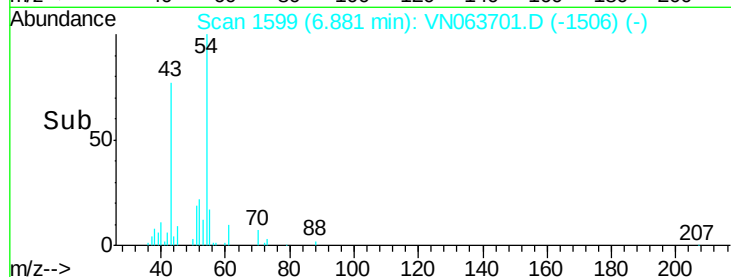
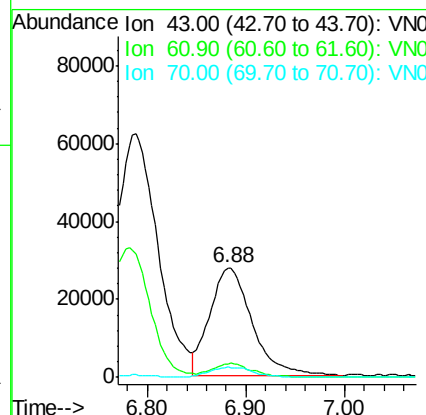
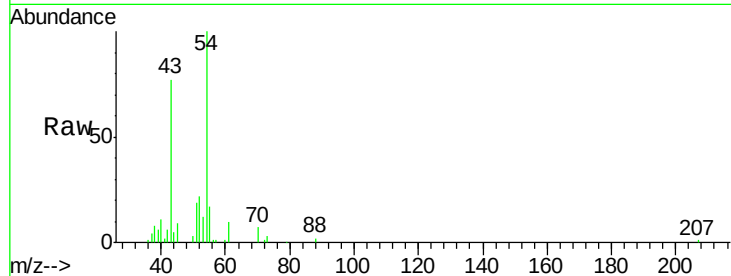
#37
Ethyl Acetate
Concen: 19.683 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
83063	100	11.4	9.5		10.6	15.8
					7.2	10.8

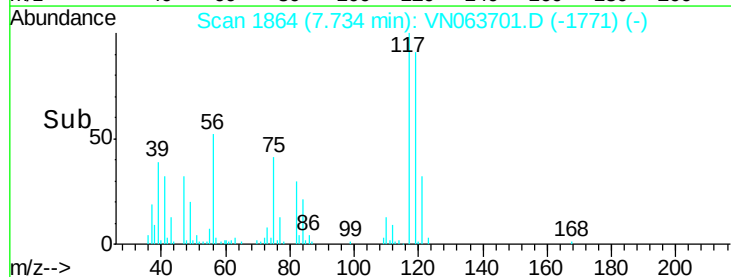
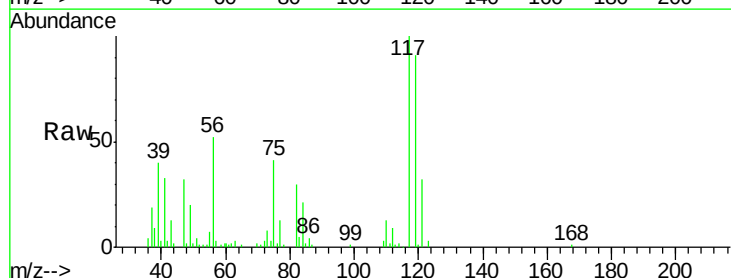
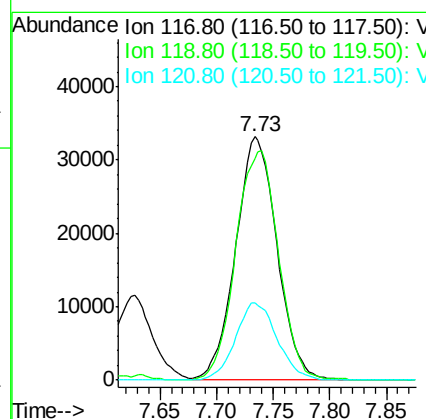
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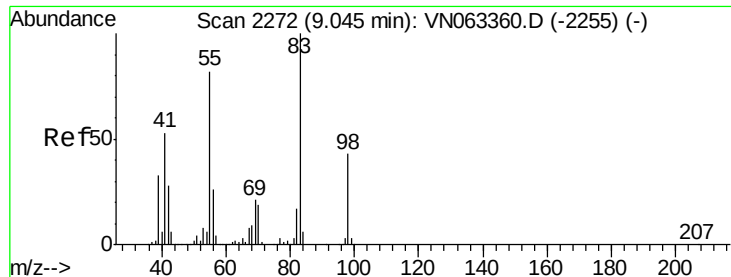
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#38
Carbon Tetrachloride
Concen: 19.249 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	117	119	121	Ratio	Lower	Upper
84486	100	90.9	31.9		74.5	111.7
					24.1	36.1





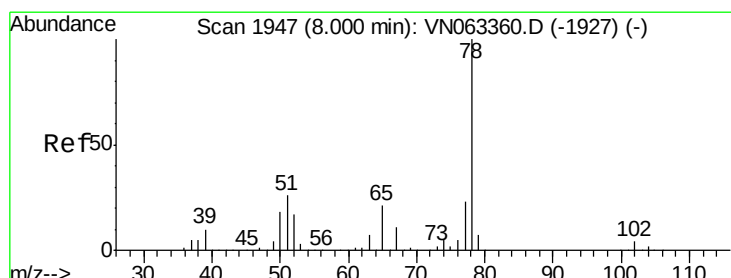
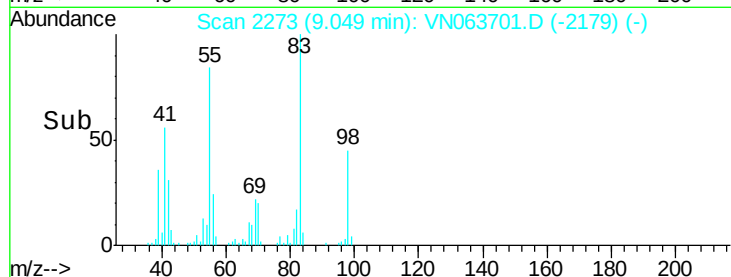
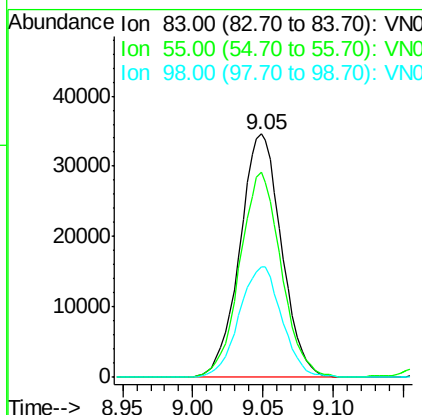
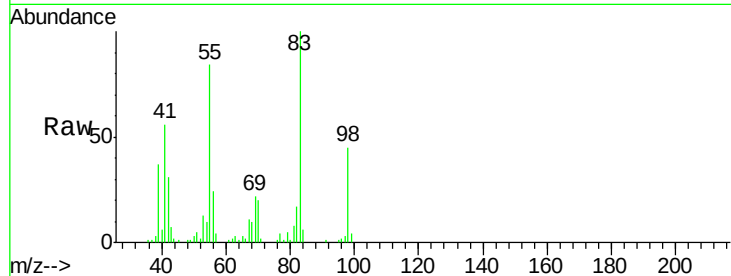
#39
Methylvlcyclohexane
Concen: 15.329 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	83	Resp	71533
Ion Ratio	100	Lower	Upper
83	100		
55	84.4	65.5	98.3
98	45.3	34.2	51.4

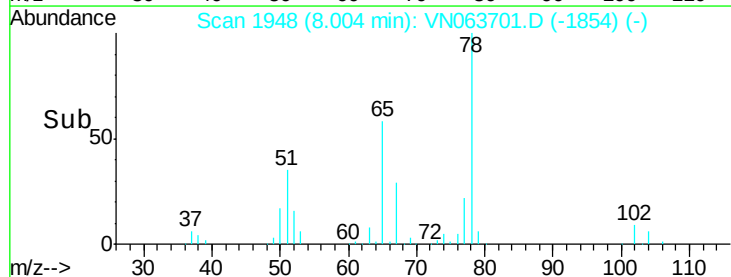
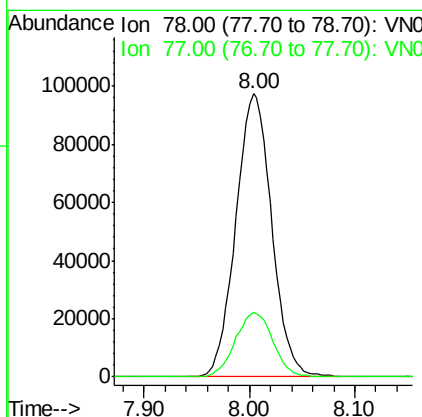
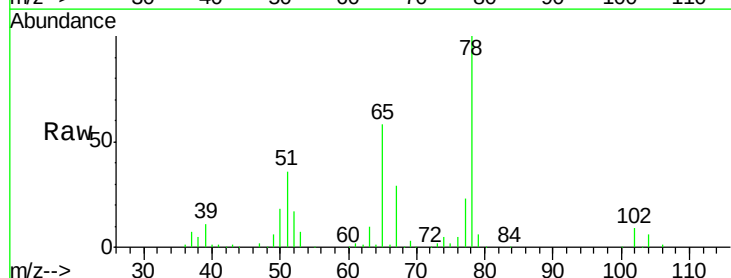
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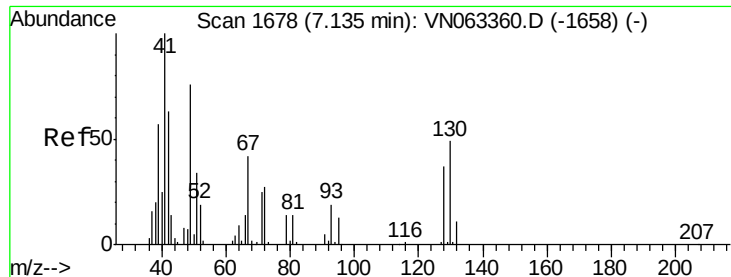
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#40
Benzene
Concen: 18.759 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	78	Resp	230257
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.3	27.5





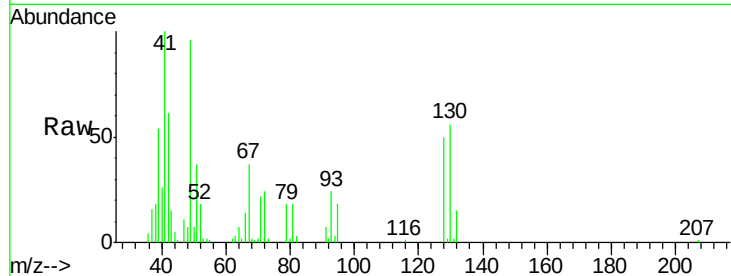
#41
Methacrylonitrile
Concen: 20.325 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

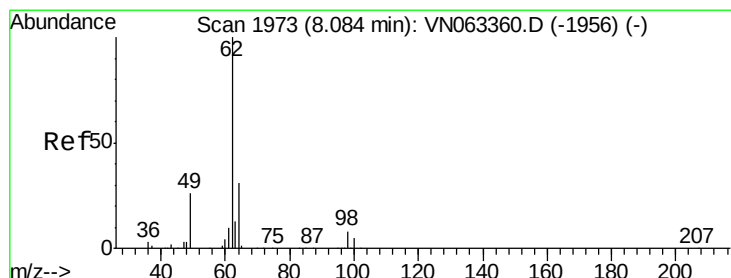
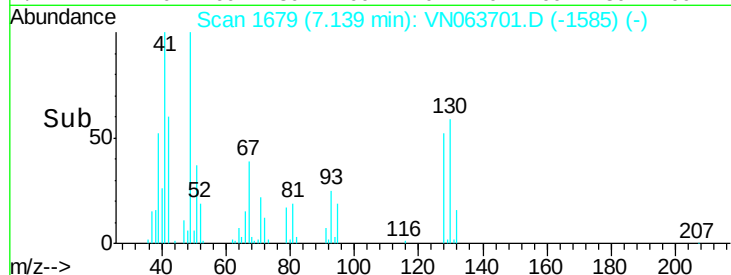
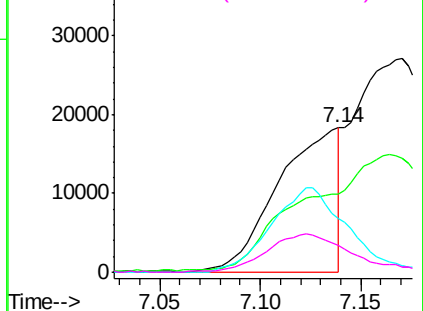
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	169.3	0.0	0.0#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
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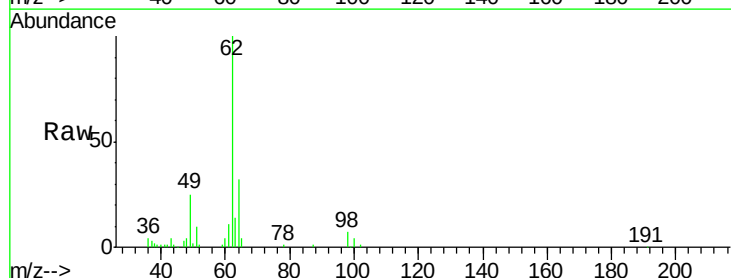


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

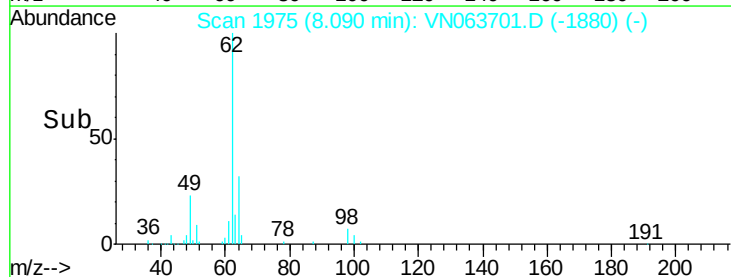
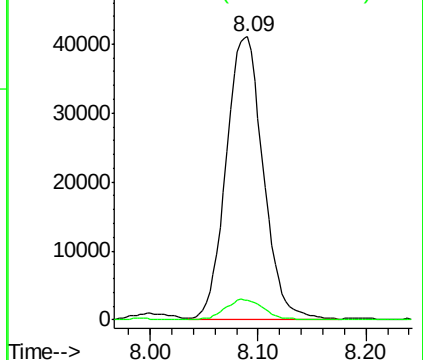


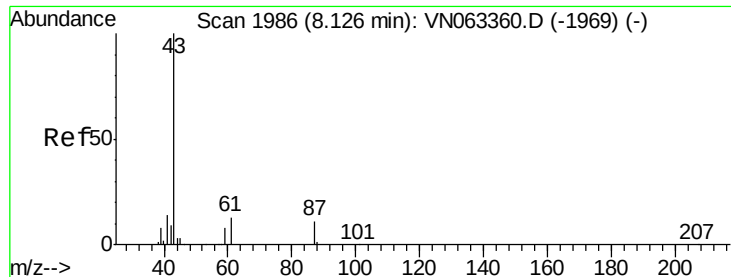
#42
1,2-Dichloroethane
Concen: 20.017 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.3	0.0	15.6		



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.795 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

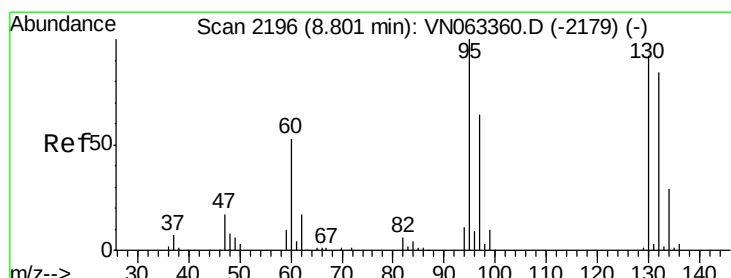
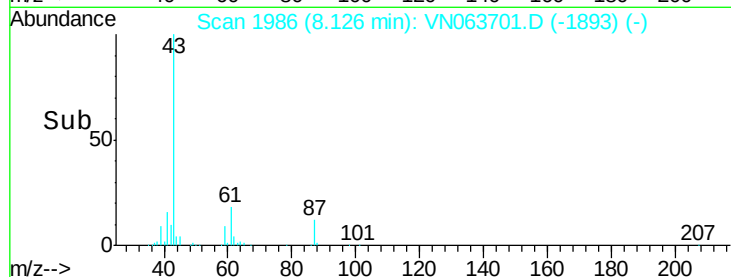
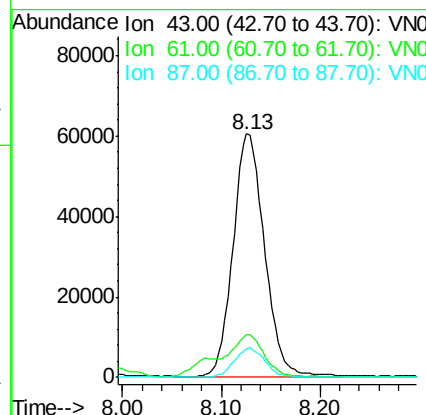
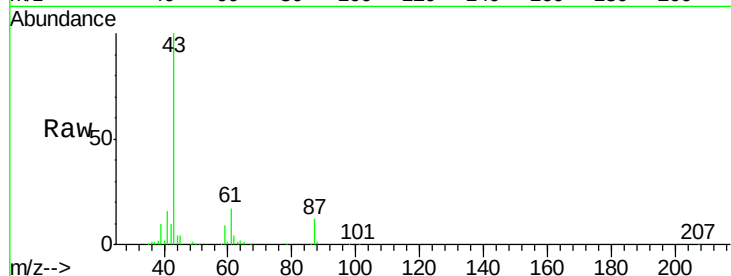
ClientSampleId :

VN0928WBS01

Tot Ion:	43	Resp:	134278
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.2	21.2
87	11.8	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.054 ug/l

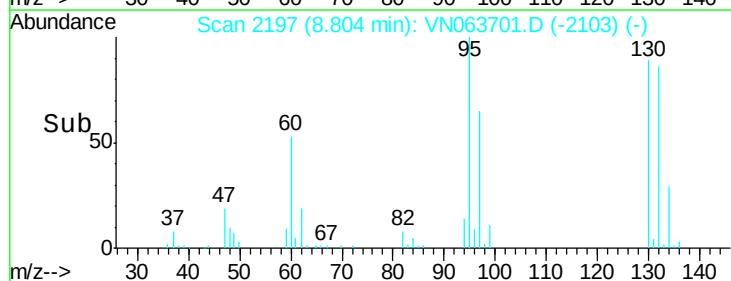
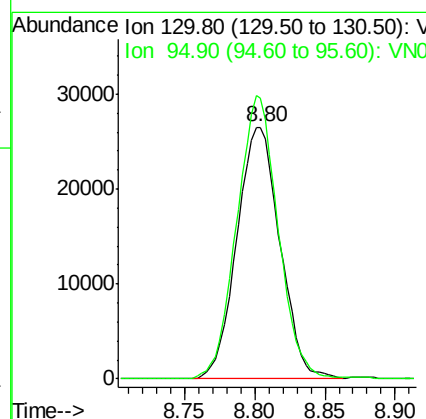
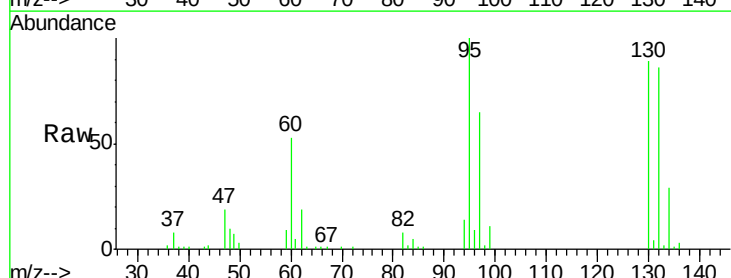
RT: 8.80 min Scan# 2197

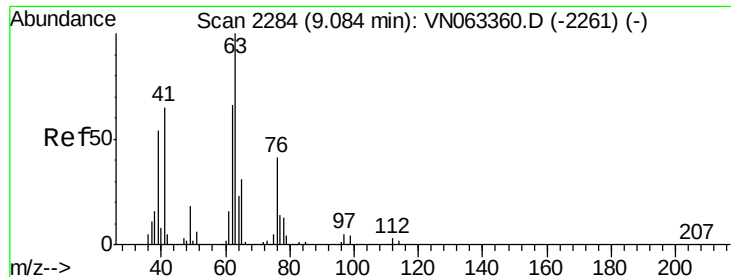
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	130	Resp:	56724
Ion	Ratio	Lower	Upper
130	100		
95	111.9	0.0	217.4





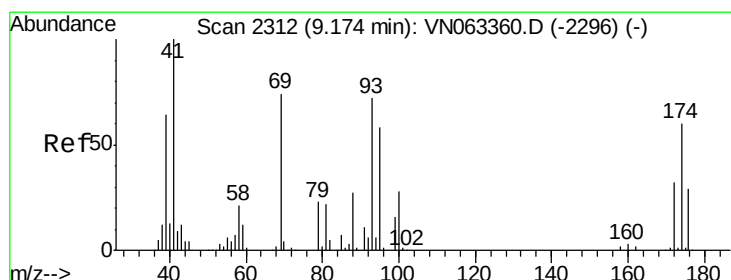
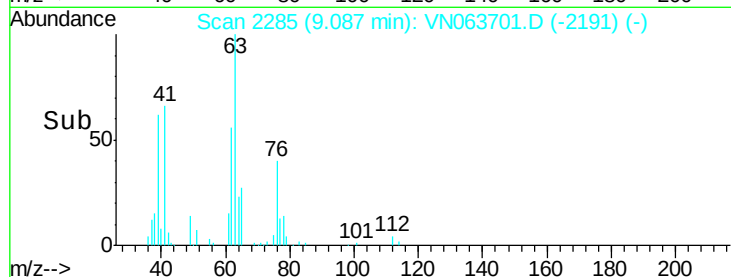
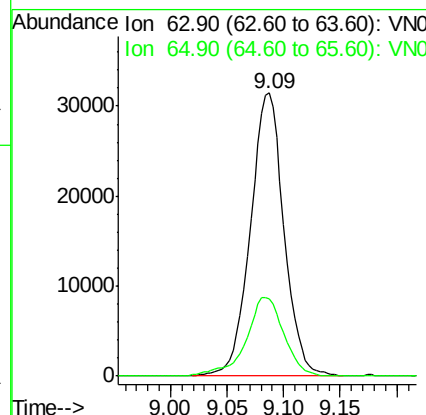
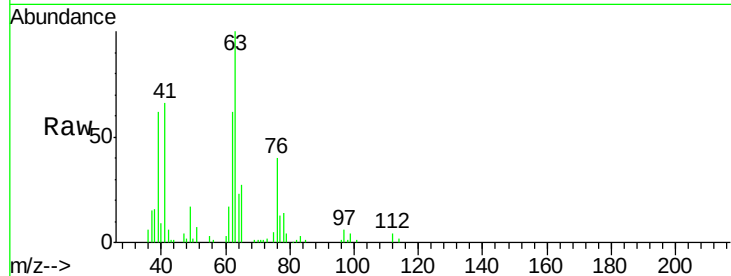
#45
 1,2-Dichloropropane
 Concen: 19.423 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion: 63 Resp: 64929
 Ion Ratio Lower Upper
 63 100
 65 27.2 25.0 37.6

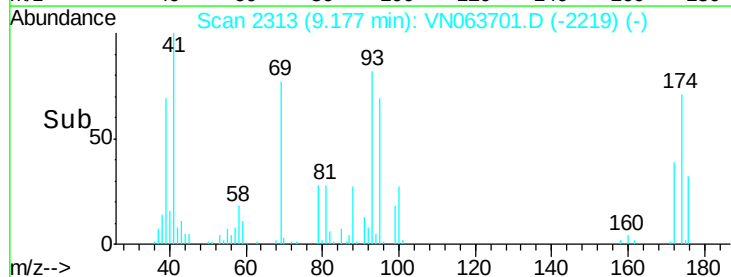
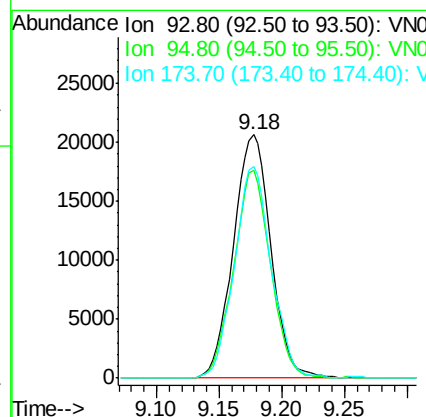
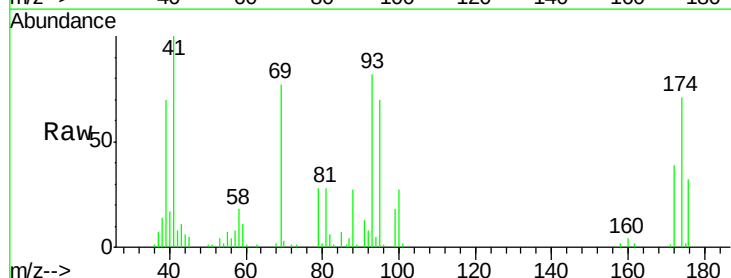
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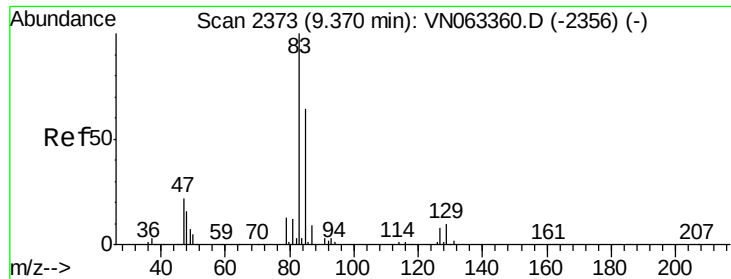
MMDadoda
 9/29/2020 4:37:58 PM



#46
 Dibromomethane
 Concen: 19.574 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion: 93 Resp: 43008
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.6 98.4
 174 85.2 68.1 102.1





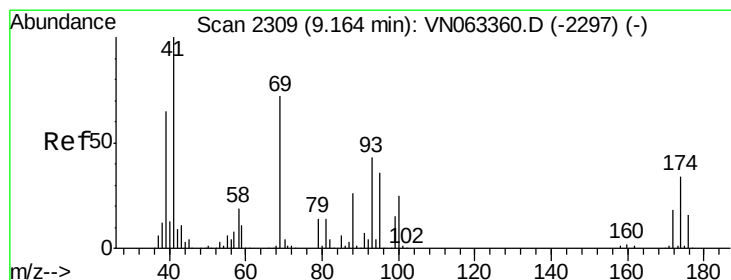
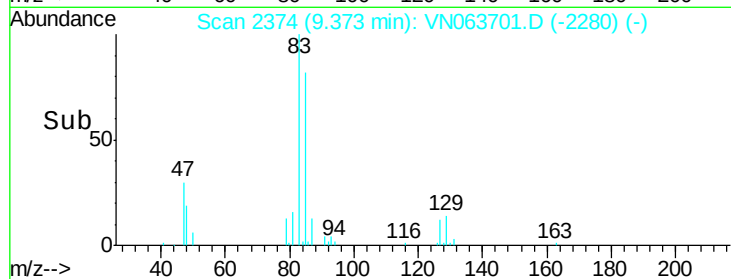
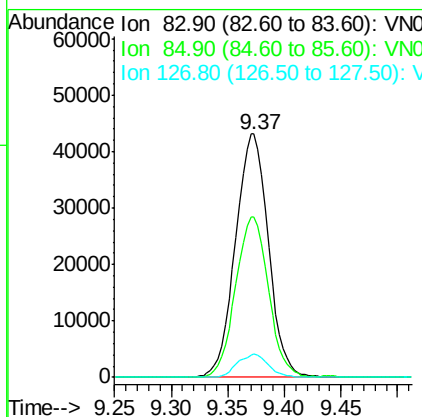
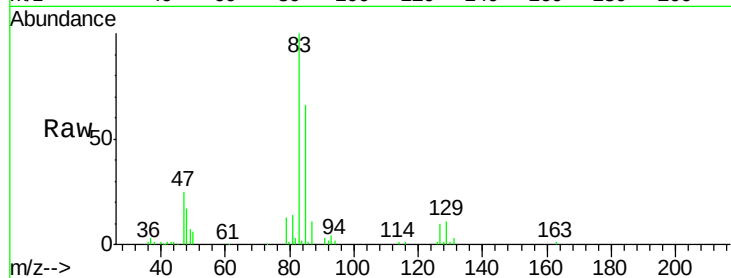
#47
Bromodichloromethane
Concen: 19.208 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.6
127	9.5	6.3	9.5#

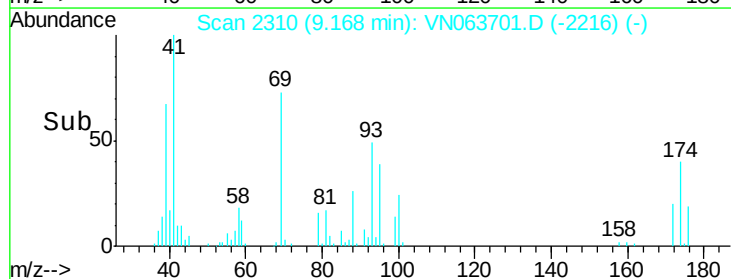
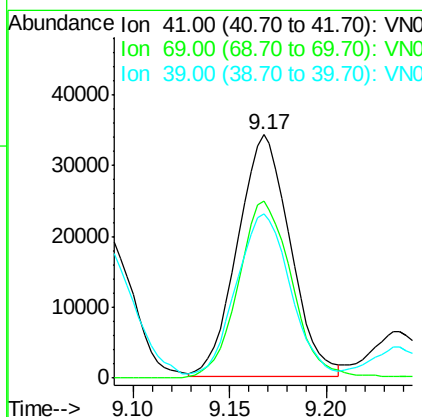
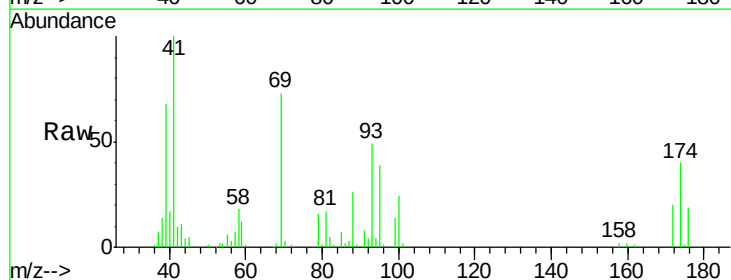
Manual Integrations
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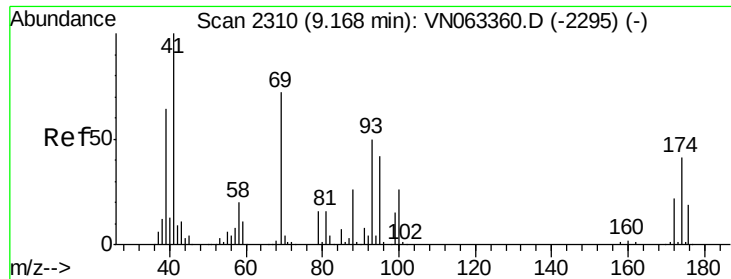
MMDadoda
9/29/2020 4:37:58 PM



#48
Methyl methacrylate
Concen: 17.499 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.4	59.3	88.9
39	69.3	52.9	79.3





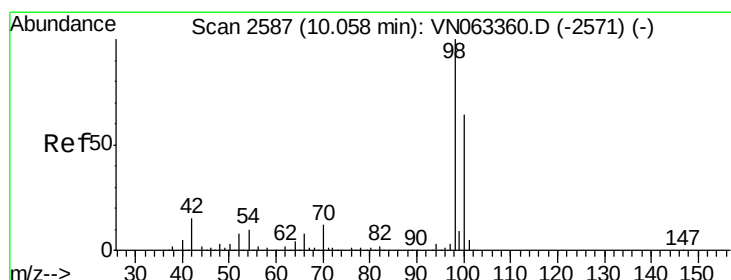
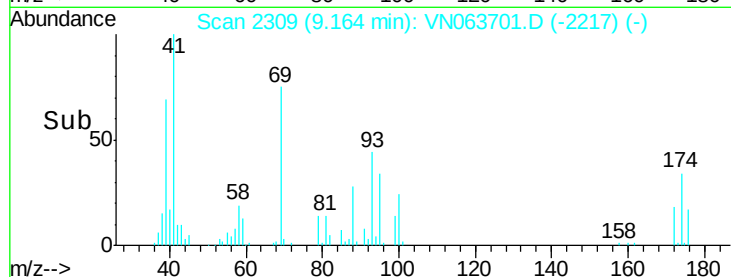
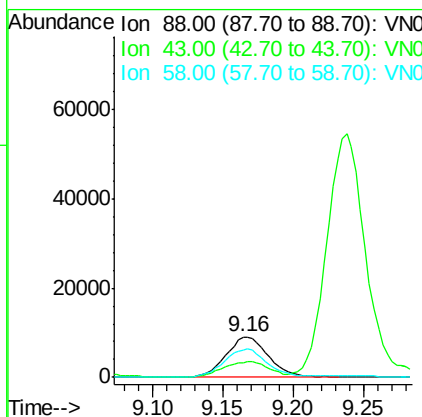
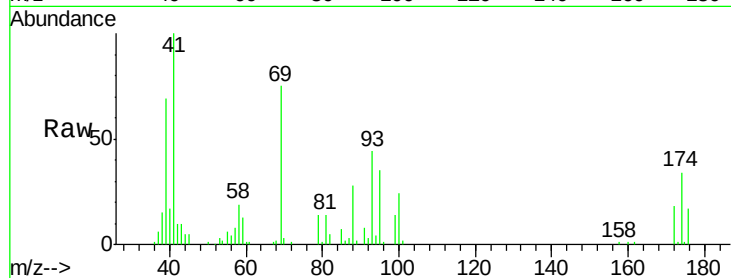
#49
1,4-Dioxane
Concen: 359.175 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	32.6	49.0
58	71.2	60.0	90.0

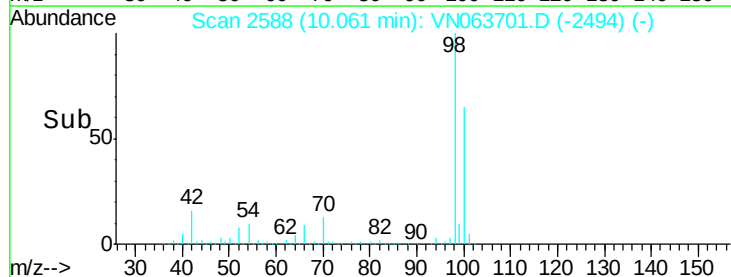
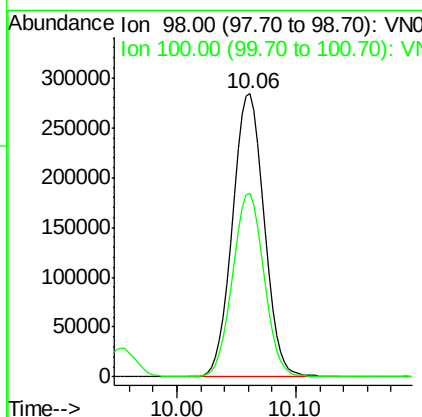
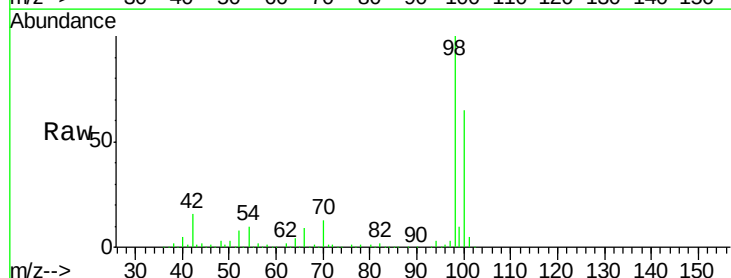
Manual Integrations
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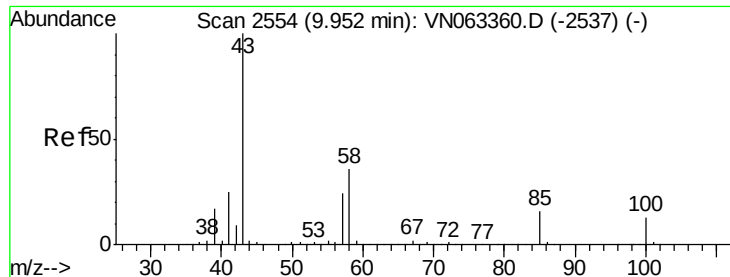
MMDadoda
9/29/2020 4:37:58 PM



#50
Toluene-d8
Concen: 50.052 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 97.338 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 43 Resp: 411198

Ion Ratio Lower Upper

43 100

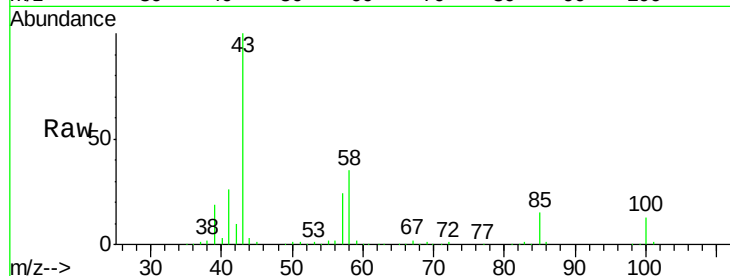
58 35.4 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

250000

200000

150000

100000

50000

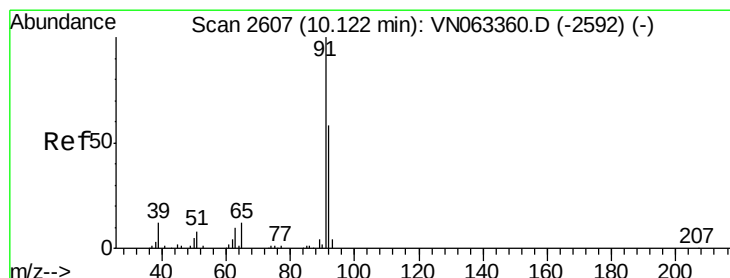
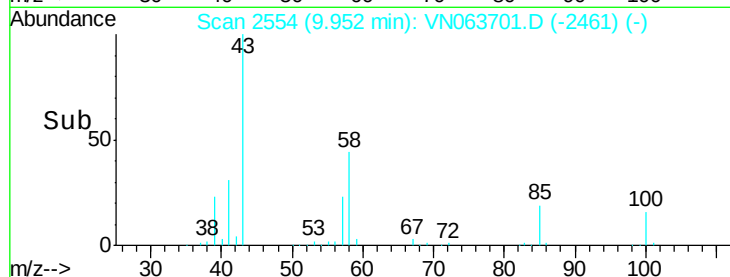
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 19.003 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063701.D

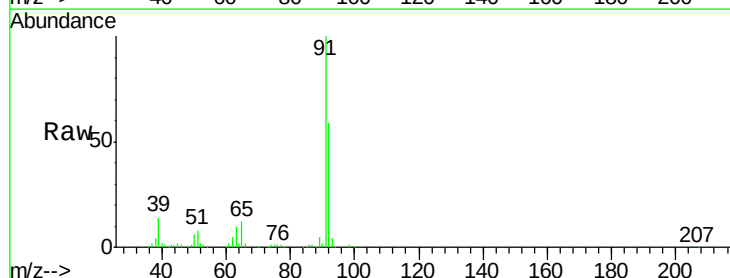
Acq: 28 Sep 2020 13:28

Tgt Ion: 92 Resp: 140234

Ion Ratio Lower Upper

92 100

91 176.7 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)

150000

100000

50000

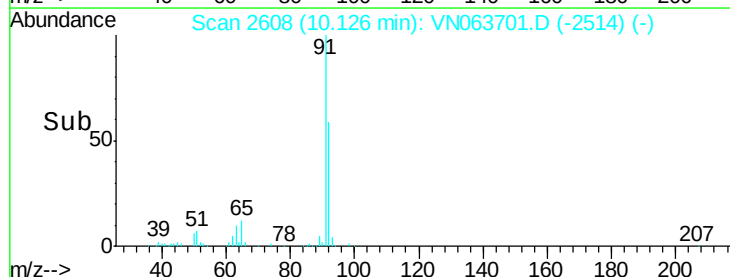
0

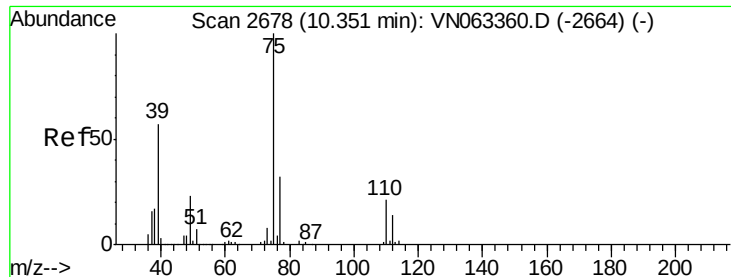
10.10

10.13

10.20

Time-->





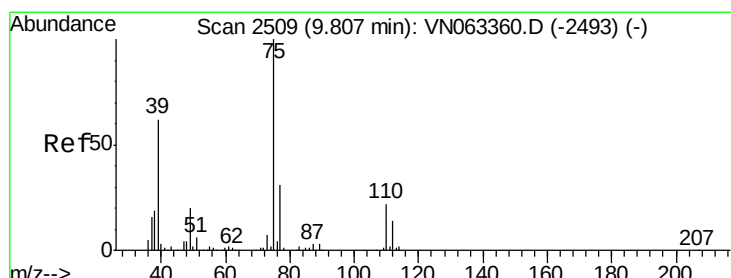
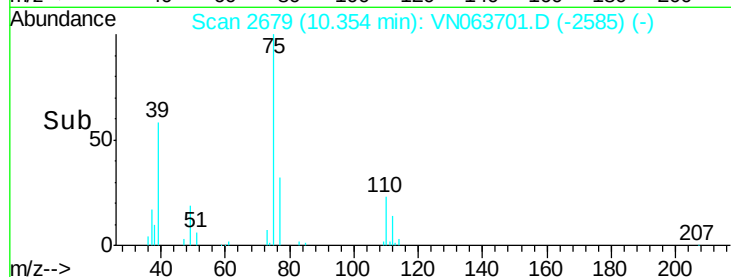
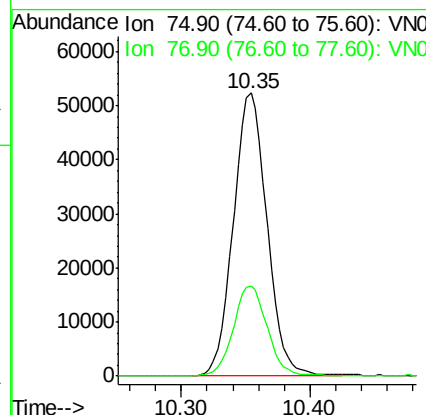
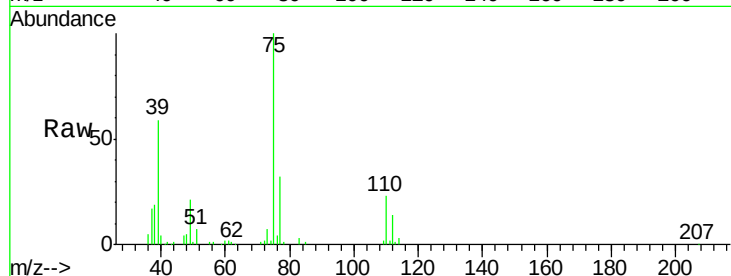
#53
t-1,3-Dichloropropene
Concen: 18.623 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion: 75 Resp: 94899
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

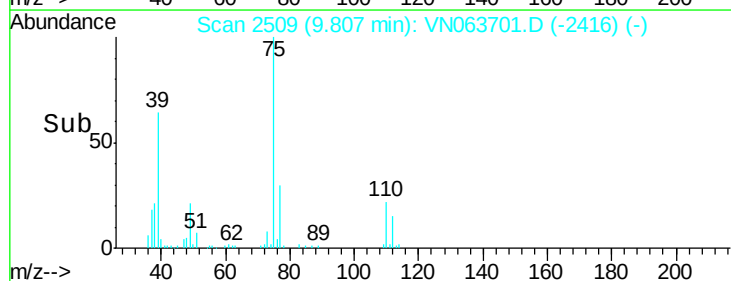
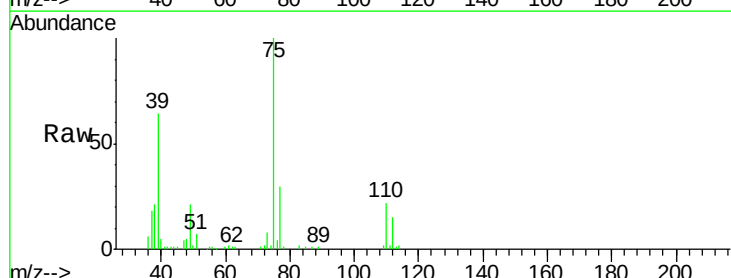
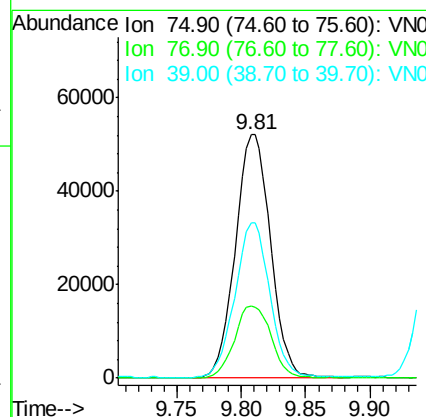
Manual Integrations
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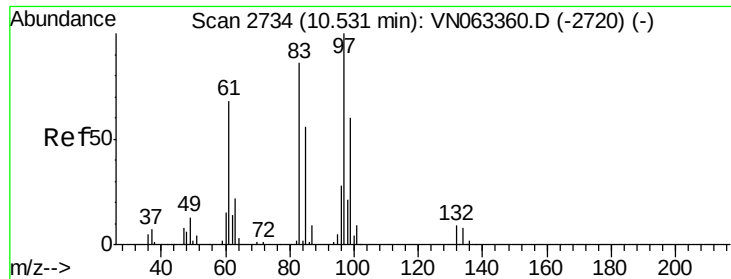
MMDadoda
9/29/2020 4:37:58 PM



#54
cis-1,3-Dichloropropene
Concen: 18.442 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion: 75 Resp: 99129
Ion Ratio Lower Upper
75 100
77 29.8 24.6 37.0
39 63.5 49.8 74.8





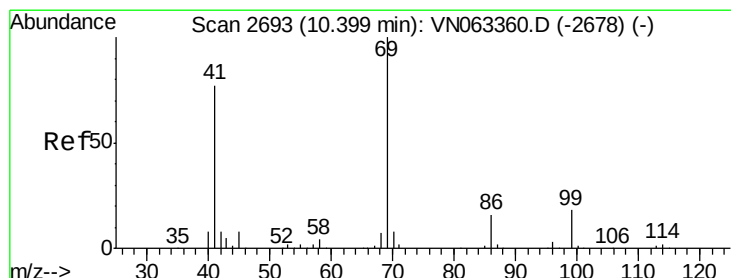
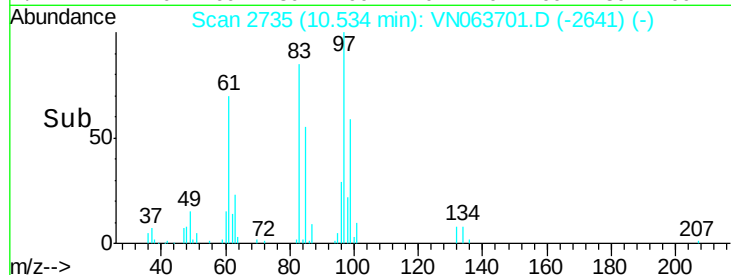
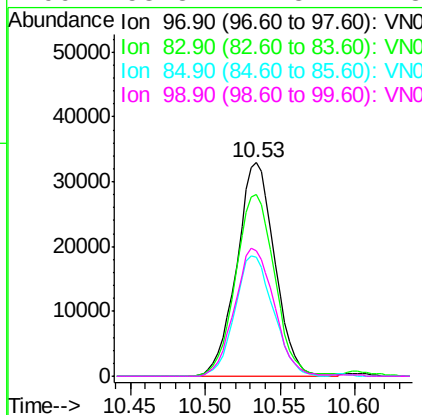
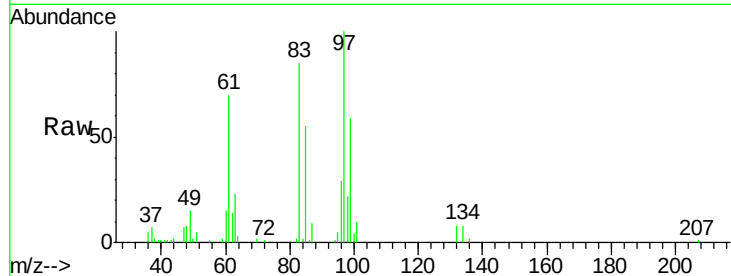
#55
 1,1,2-Trichloroethane
 Concen: 19.948 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion:	97	Resp:	58472
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.9	103.3
85	55.5	44.8	67.2
99	58.8	47.8	71.8

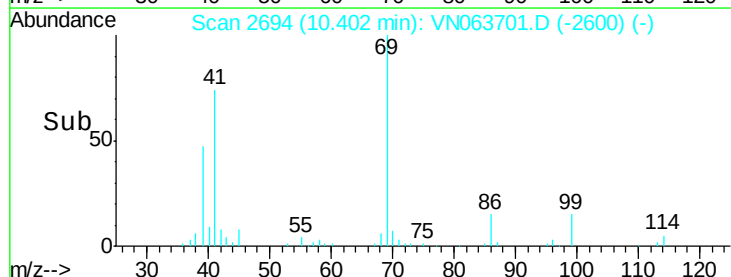
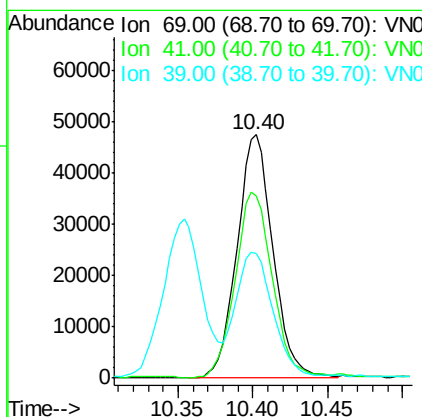
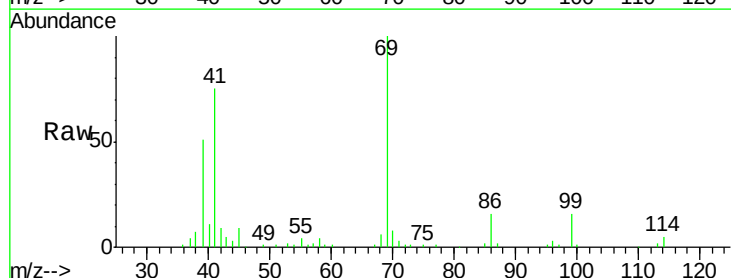
Manual Integrations
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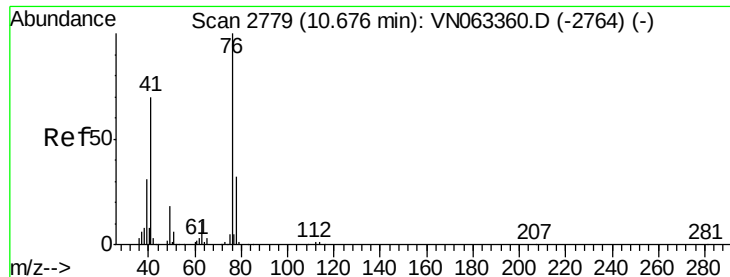
MMDadoda
 9/29/2020 4:37:58 PM



#56
 Ethyl methacrylate
 Concen: 17.441 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion:	69	Resp:	79810
Ion	Ratio	Lower	Upper
69	100		
41	78.0	61.0	91.6
39	51.5	39.2	58.8





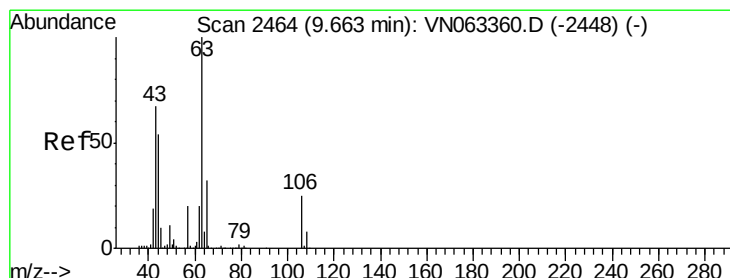
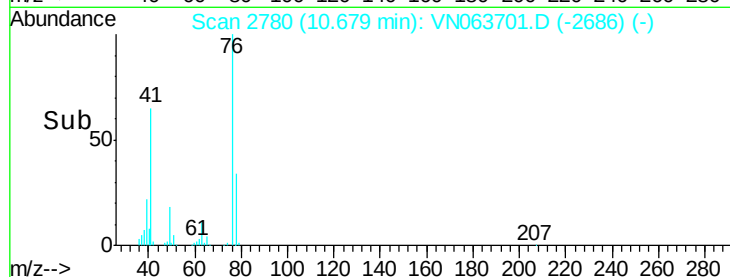
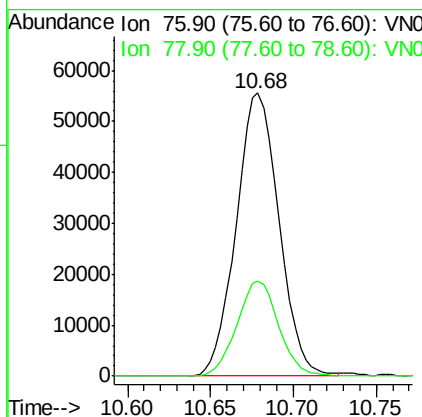
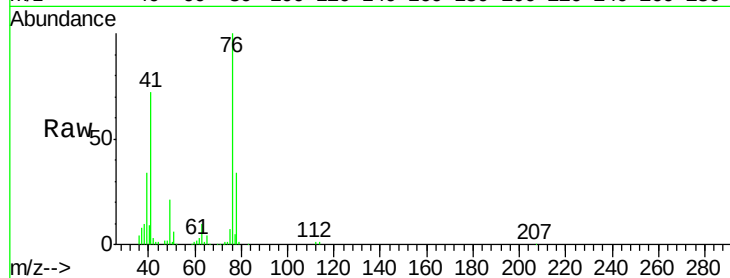
#57
 1,3-Dichloropropane
 Concen: 18.877 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

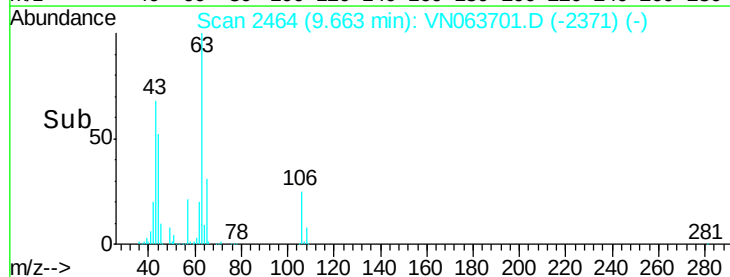
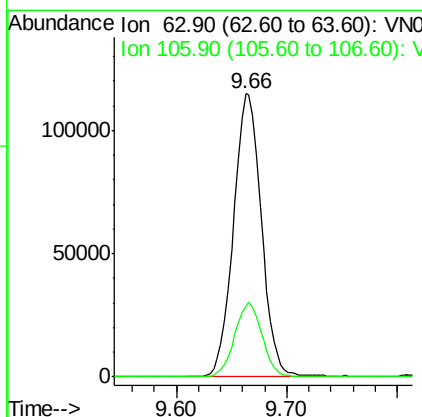
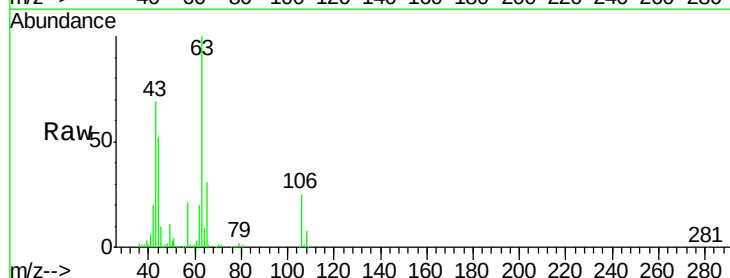
Manual Integrations
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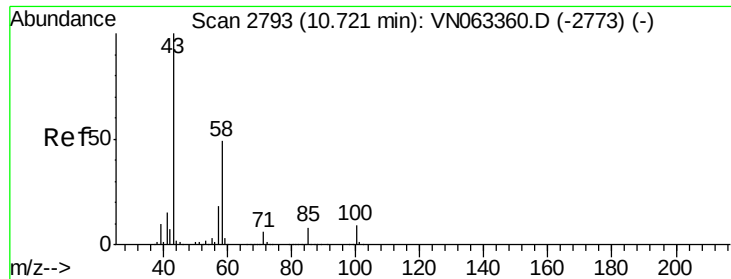
MMDadoda
 9/29/2020 4:37:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.117 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	19.5	29.3





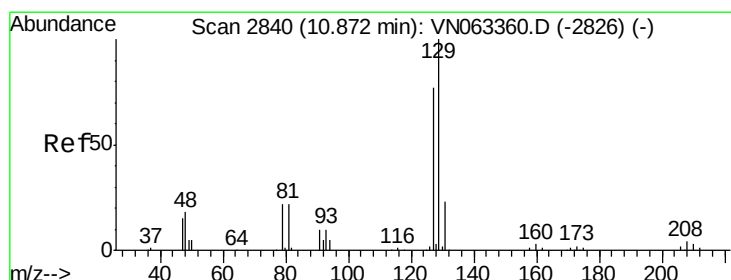
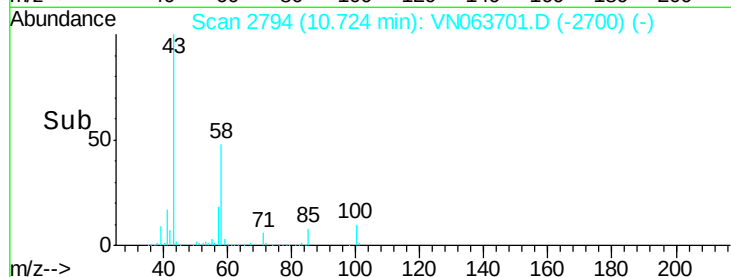
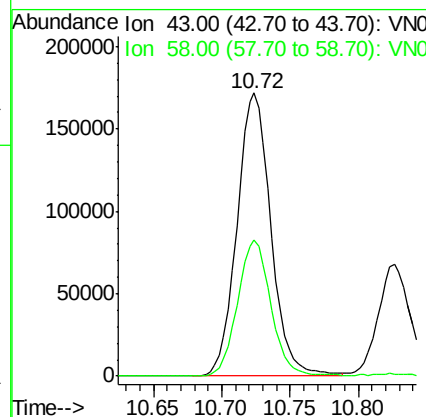
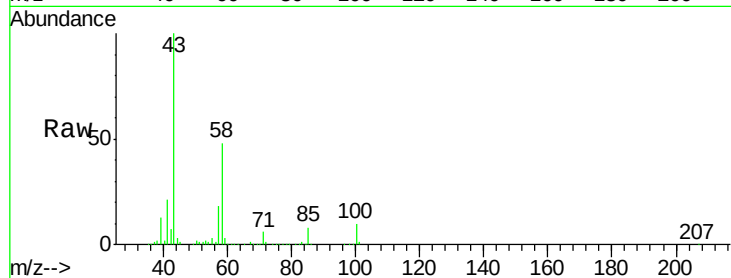
#59
2-Hexanone
Concen: 96.247 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion: 43 Resp: 294562
Ion Ratio Lower Upper
43 100
58 47.6 24.7 74.1

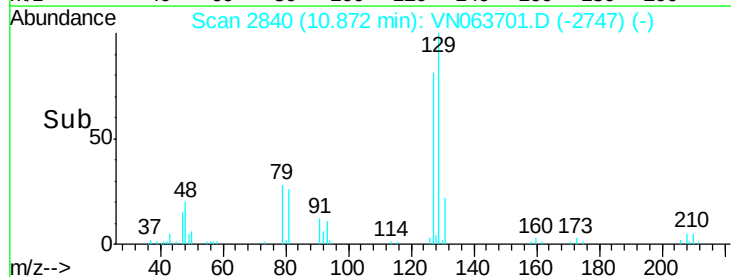
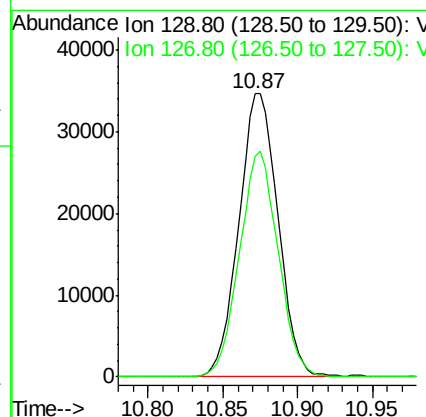
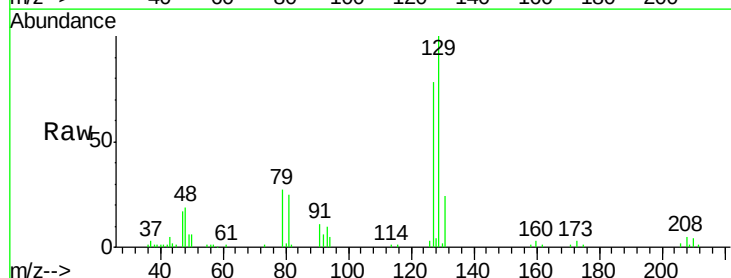
Manual Integrations
APPROVED

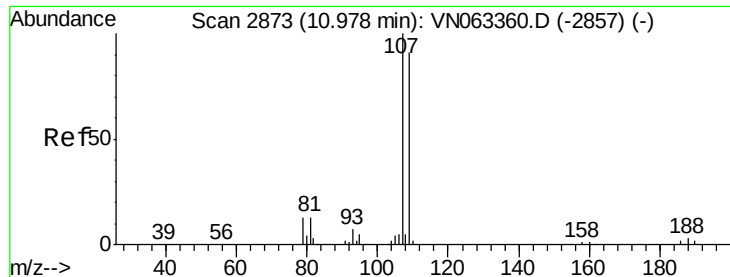
MMDadoda
9/29/2020 4:37:58 PM



#60
Dibromochloromethane
Concen: 19.095 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion: 129 Resp: 63234
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





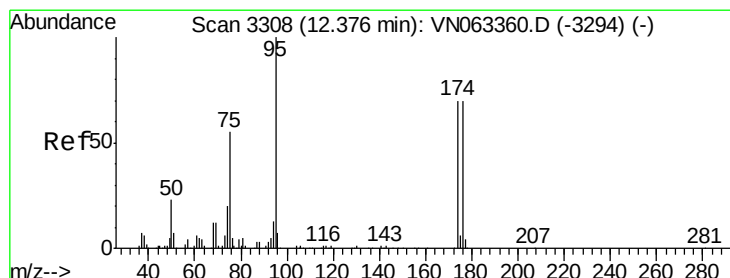
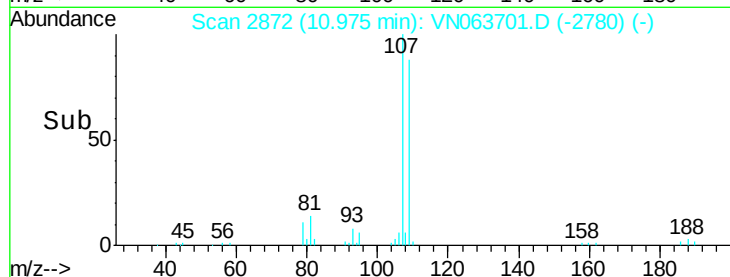
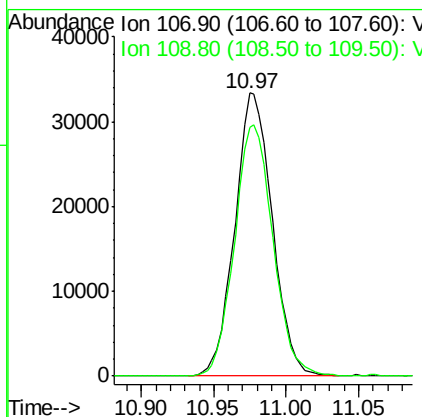
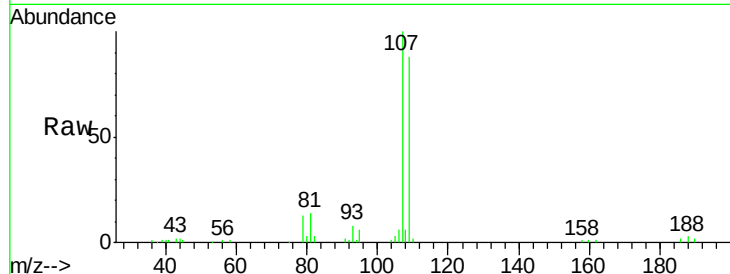
#61
 1,2-Dibromoethane
 Concen: 19.678 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	74.6	111.8

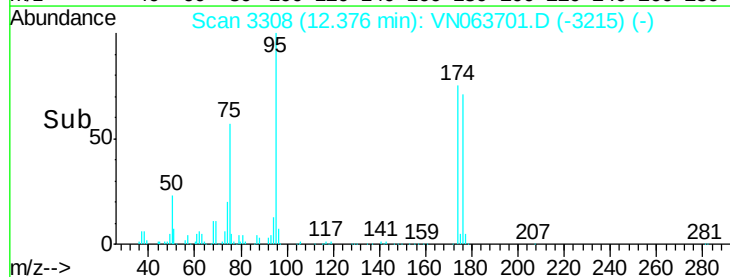
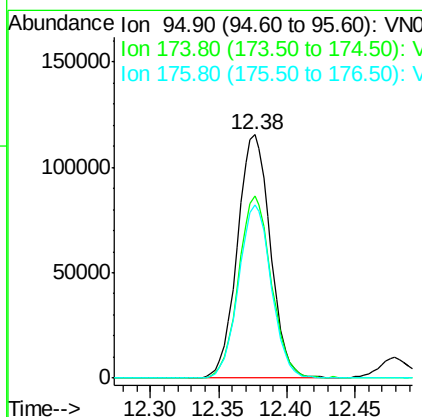
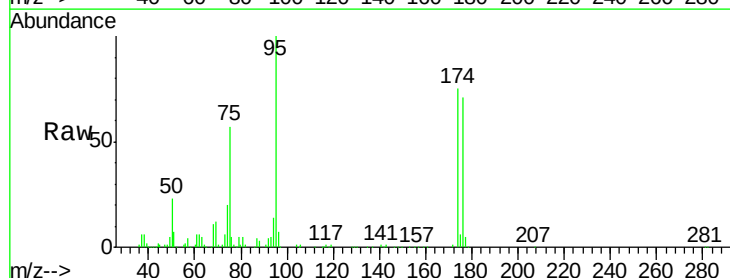
Manual Integrations
 APPROVED

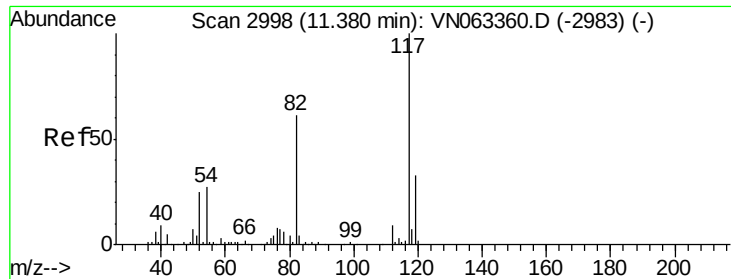
MMDadoda
 9/29/2020 4:37:58 PM



#62
 4-Bromofluorobenzene
 Concen: 50.356 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	140.8
176	70.6	0.0	137.6





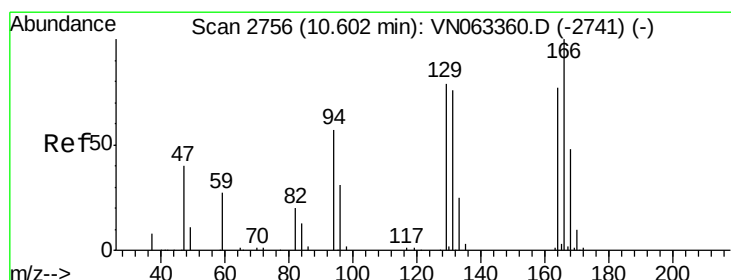
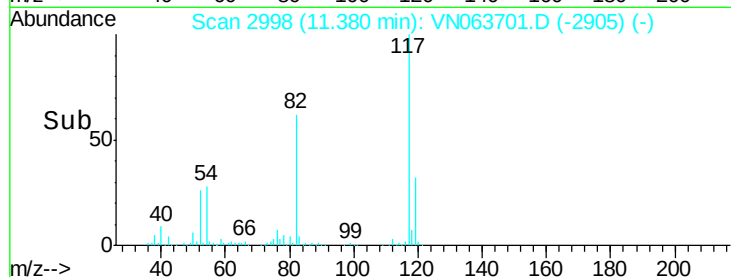
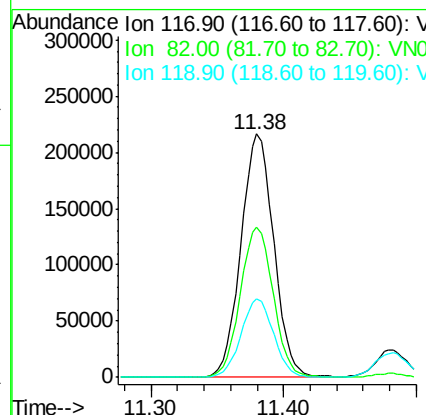
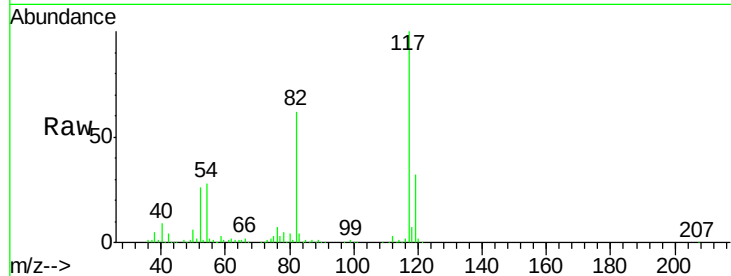
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372340		
82	61.6	49.2	73.8	
119	32.3	26.2	39.4	

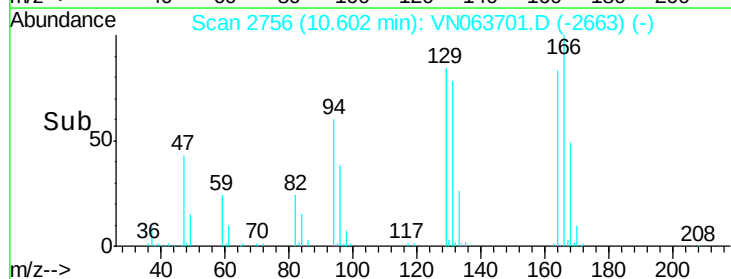
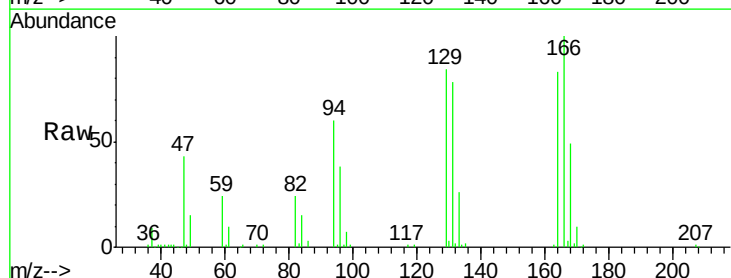
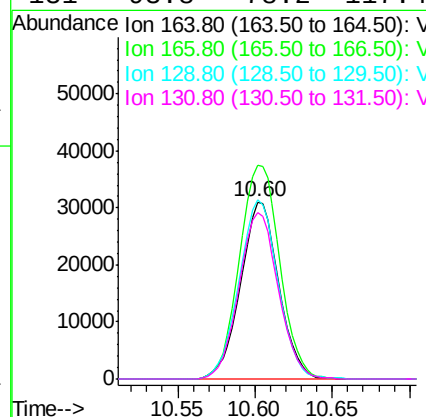
Manual Integrations
APPROVED

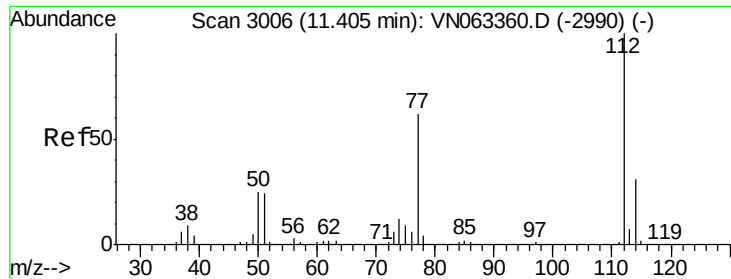
MMDadoda
9/29/2020 4:37:58 PM



#64
Tetrachloroethene
Concen: 20.984 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53203		
166	120.6	103.4	155.0	
129	101.1	81.8	122.6	
131	93.8	78.2	117.4	





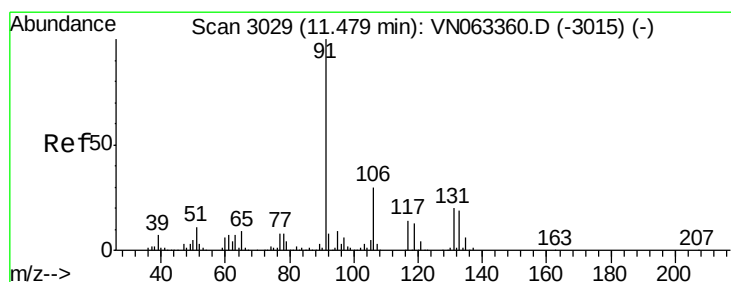
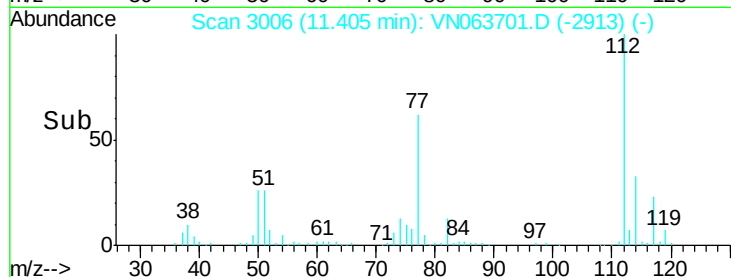
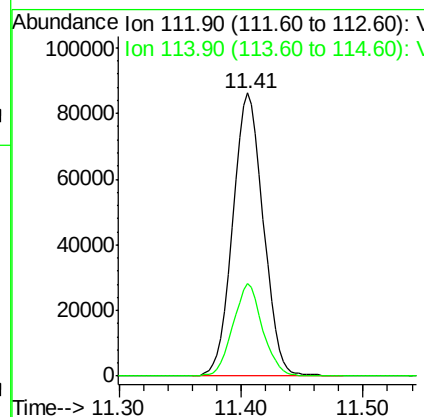
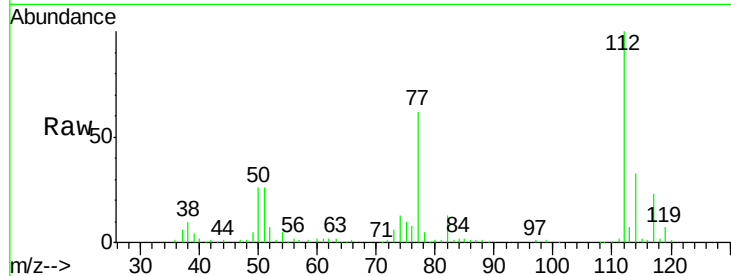
#65
Chlorobenzene
Concen: 19.057 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

Tot Ion:112 Resp: 150618
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.6

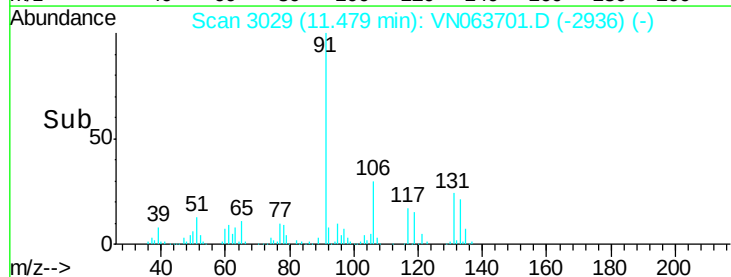
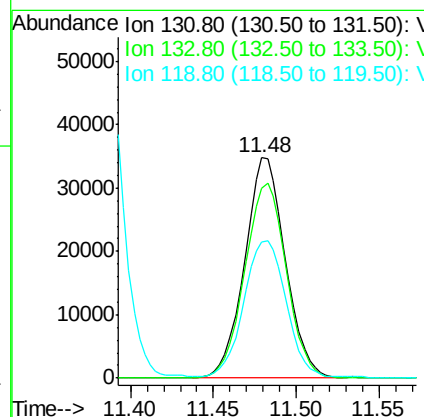
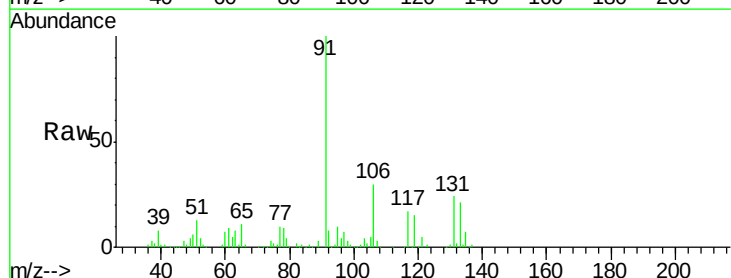
Manual Integrations
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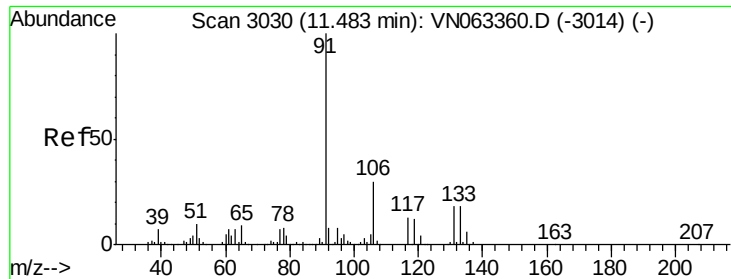
MMDadoda
9/29/2020 4:37:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.526 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion:131 Resp: 59469
Ion Ratio Lower Upper
131 100
133 90.3 47.3 141.9
119 64.1 33.6 100.8





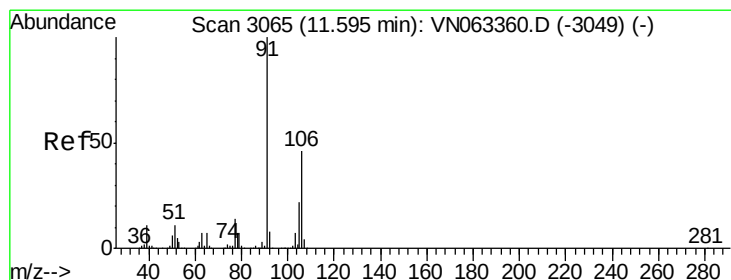
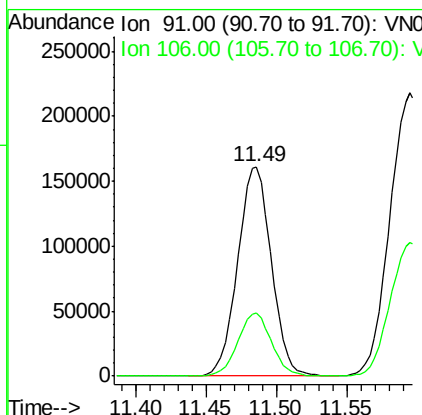
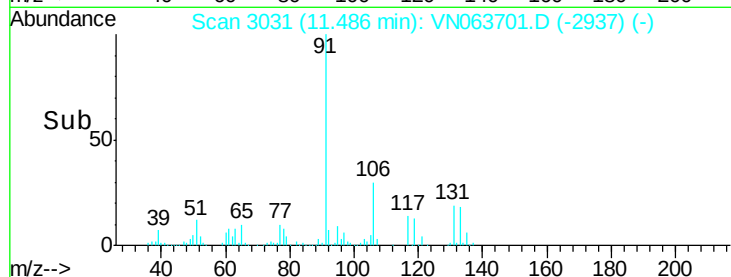
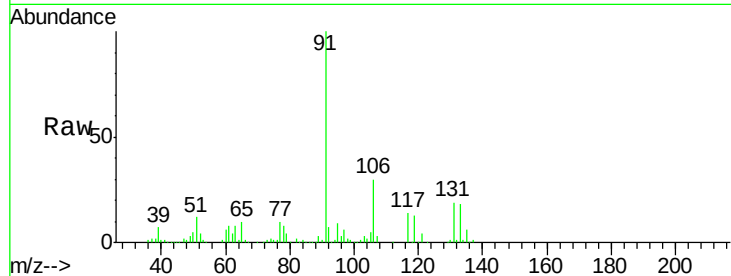
#67
Ethyl Benzene
Concen: 18.143 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion: 91 Resp: 270050
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6

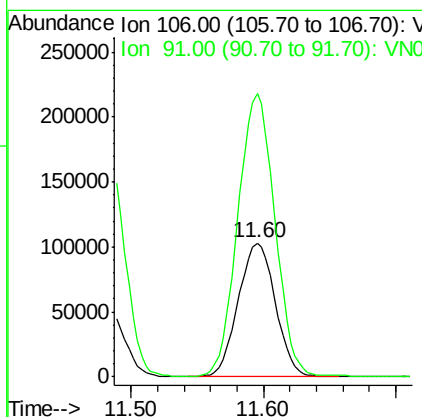
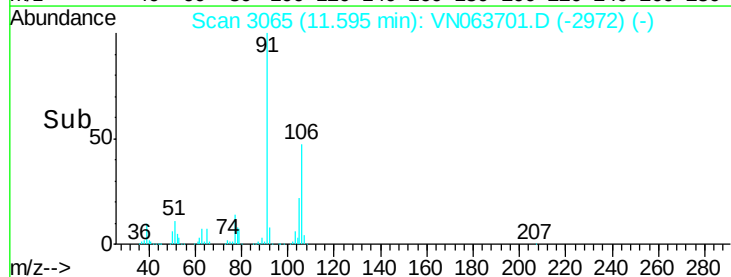
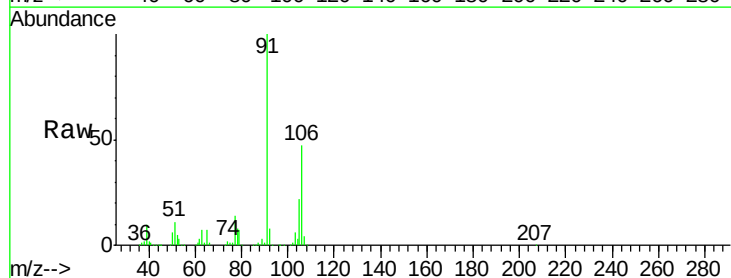
Manual Integrations
APPROVED

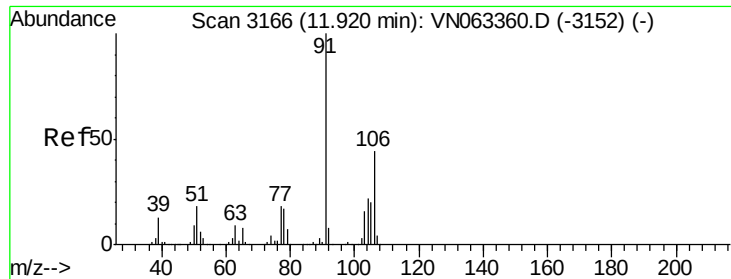
MMDadoda
9/29/2020 4:37:58 PM



#68
m/p-Xylenes
Concen: 37.444 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion: 106 Resp: 200942
Ion Ratio Lower Upper
106 100
91 209.5 171.2 256.8





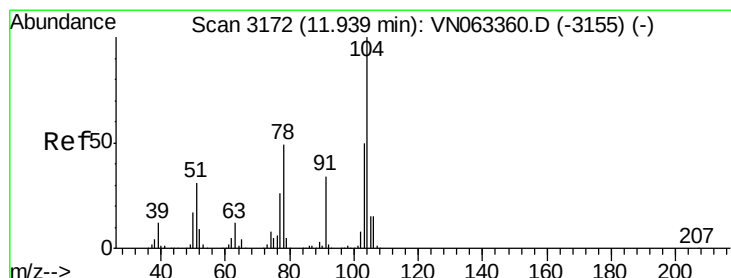
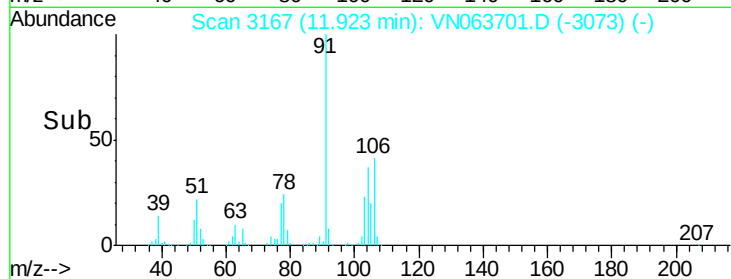
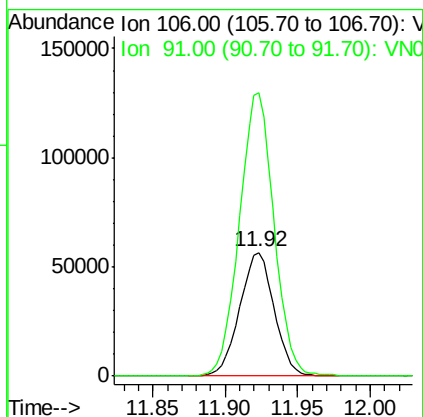
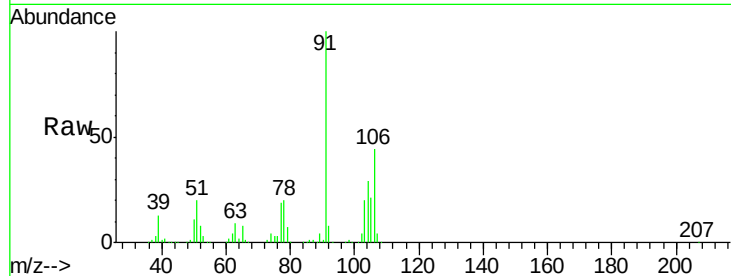
#69
o-Xylene
Concen: 18.329 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	229.9	113.6	340.8	

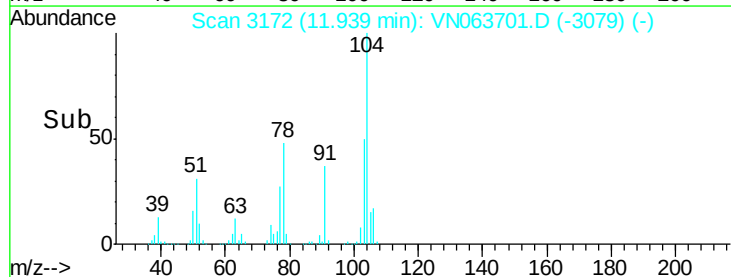
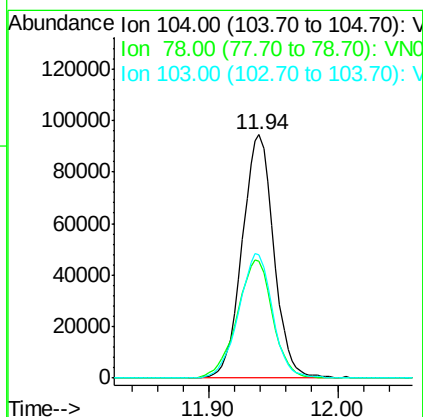
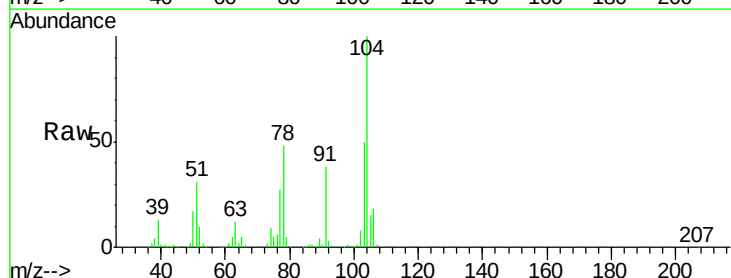
Manual Integrations
APPROVED

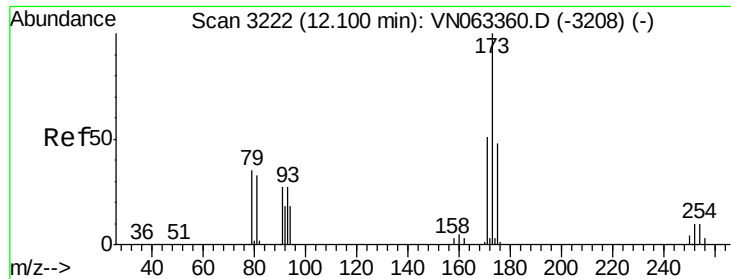
MMDadoda
9/29/2020 4:37:58 PM



#70
Styrene
Concen: 18.818 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.7	44.4	66.6	
103	54.9	43.7	65.5	





#71

Bromoform

Concen: 19.977 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

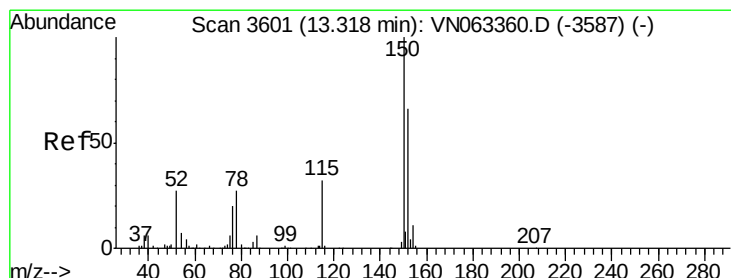
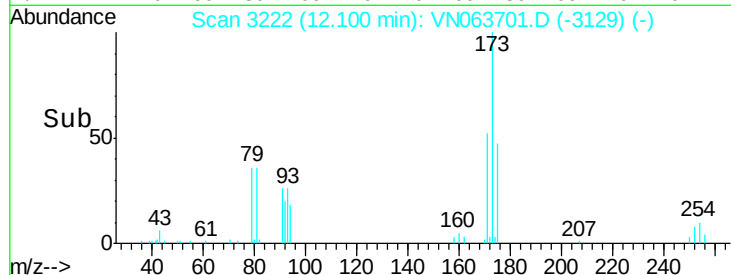
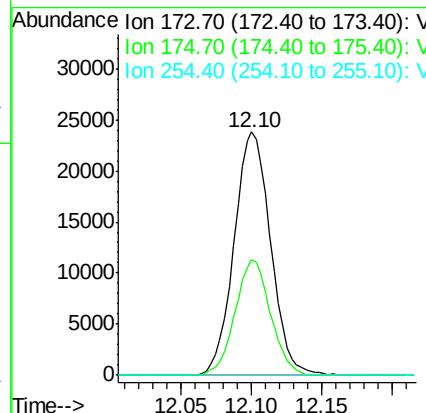
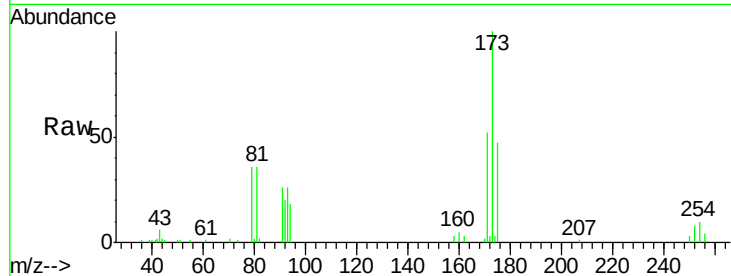
ClientSampleId :

VN0928WBS01

Tot Ion:	173	Resp:	43118
Ion Ratio	Lower	Upper	
173	100		
175	46.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

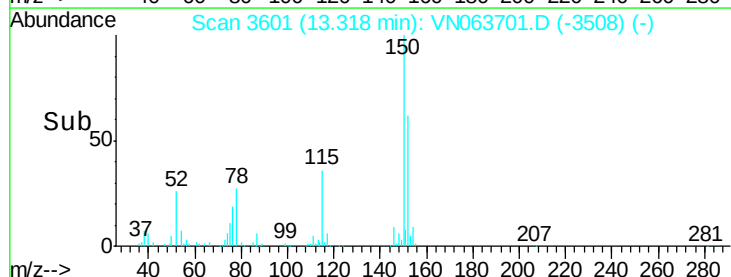
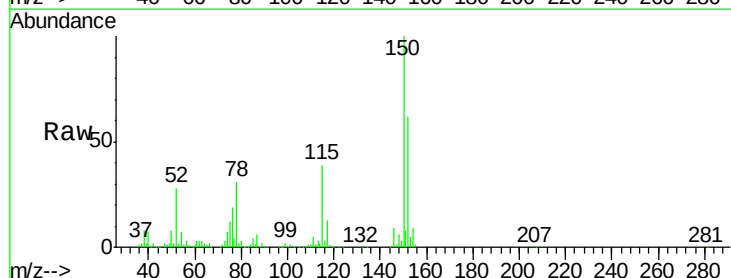
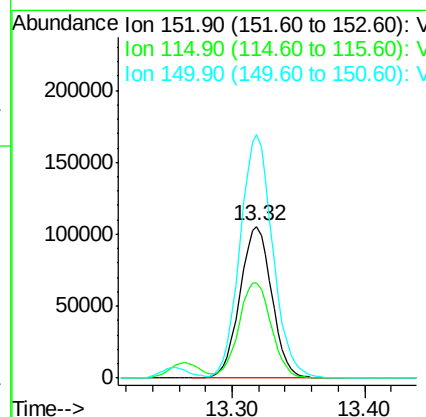
RT: 13.32 min Scan# 3601

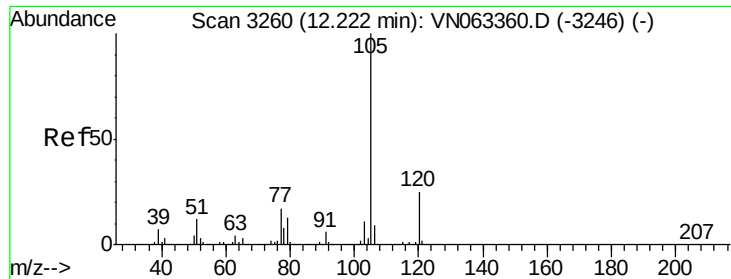
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	152	Resp:	175901
Ion Ratio	Lower	Upper	
152	100		
115	64.6	32.2	96.6
150	164.6	0.0	343.4





#73

Isopropylbenzene

Concen: 18.337 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:105 Resp: 258476

Ion Ratio Lower Upper

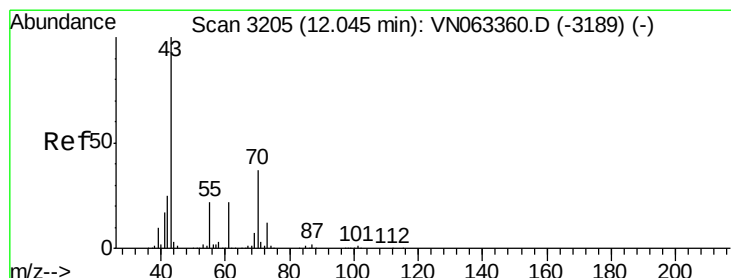
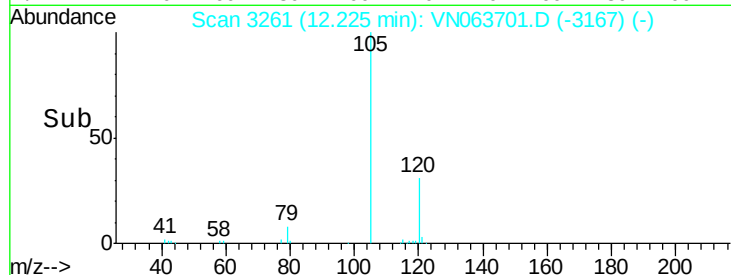
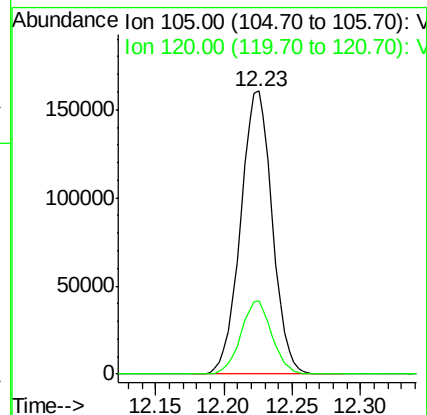
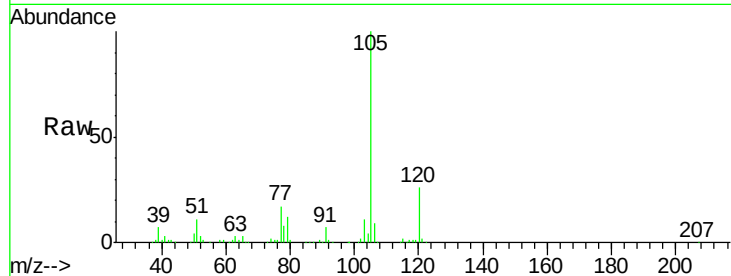
105 100

120 25.4 12.7 38.0

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#74

N-ethyl acetate

Concen: 16.867 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion: 43 Resp: 112542

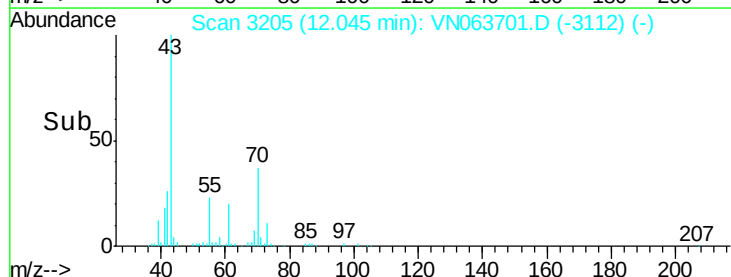
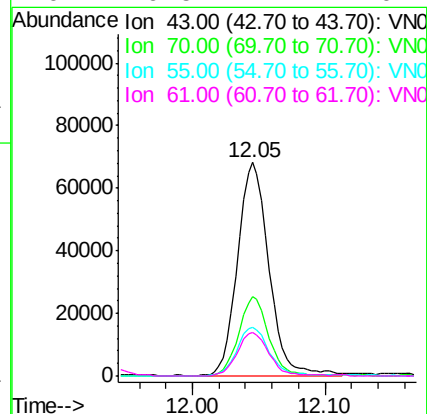
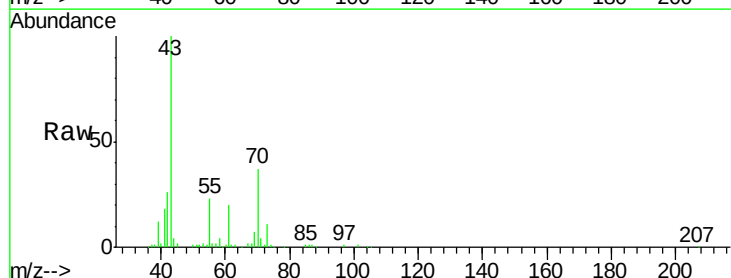
Ion Ratio Lower Upper

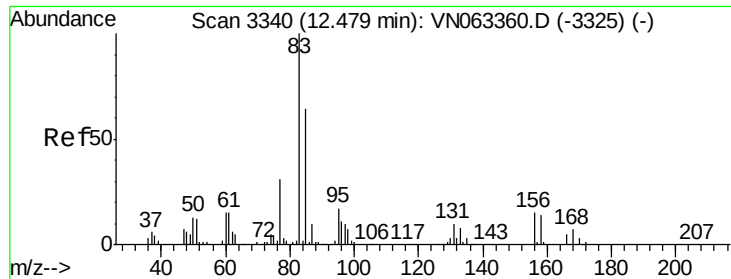
43 100

70 35.6 29.6 44.4

55 23.6 17.7 26.5

61 20.5 17.4 26.2





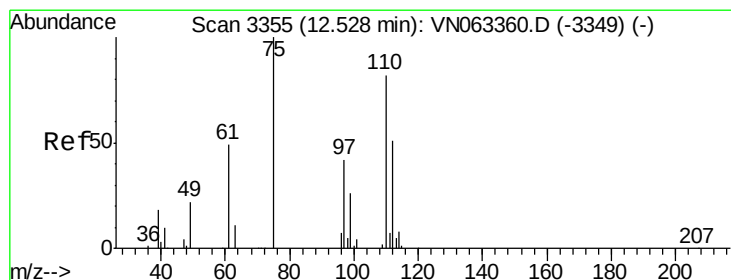
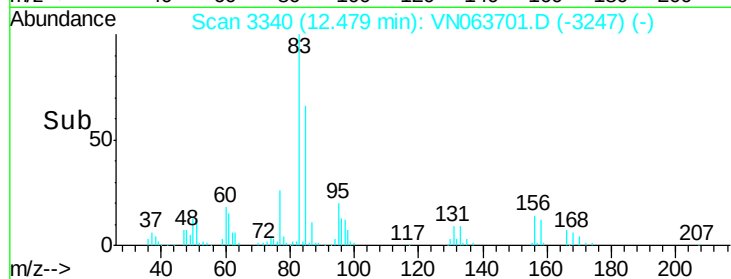
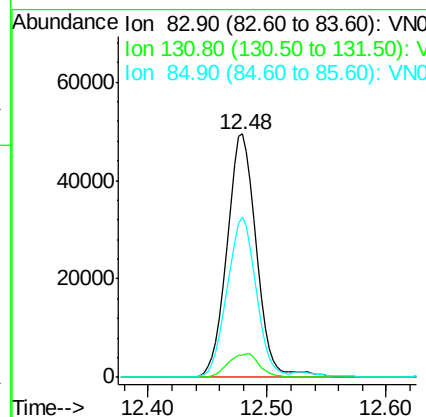
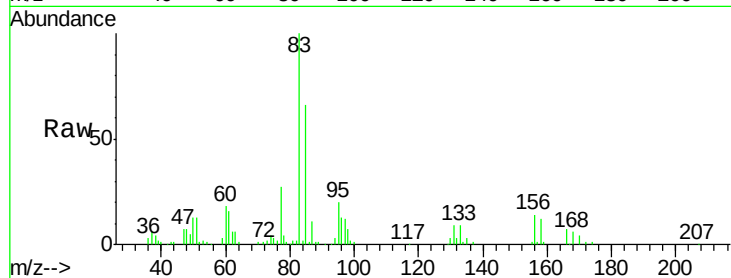
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.432 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	83	Resp	84809
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.7	32.0	96.0

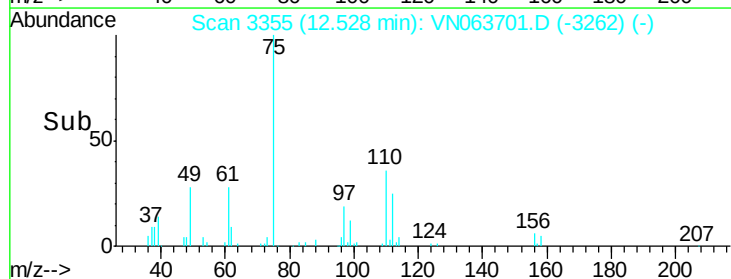
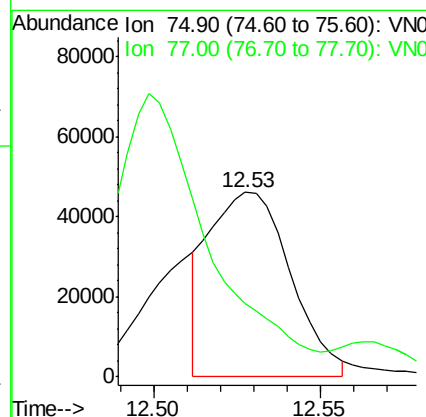
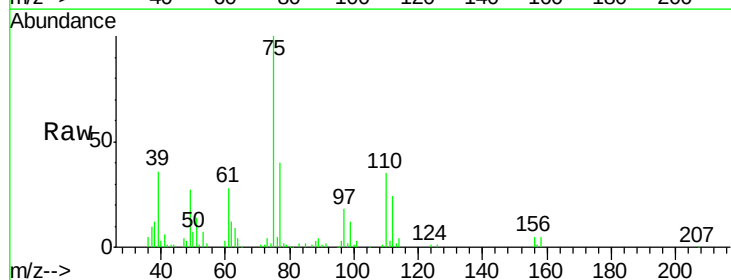
Manual Integrations
 APPROVED

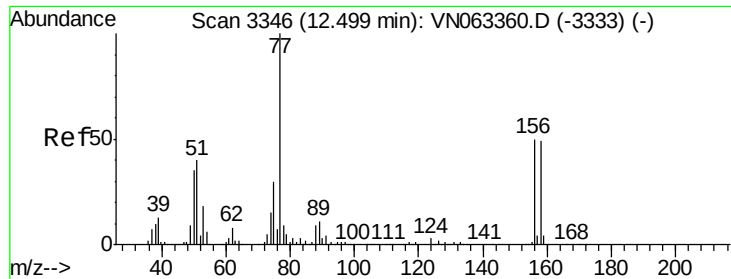
MMDadoda
 9/29/2020 4:37:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.002 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	75	Resp	78378
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.274 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:156 Resp: 64284

Ion Ratio Lower Upper

156 100

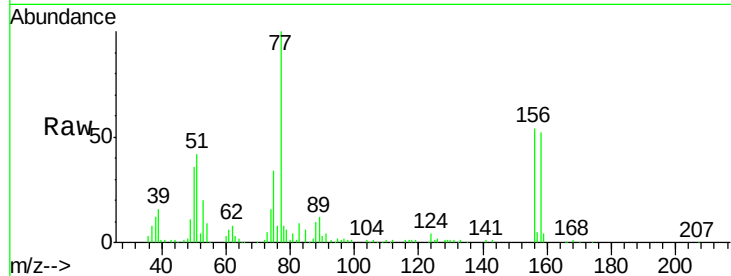
77 225.2 120.2 360.6

158 94.3 48.9 146.6

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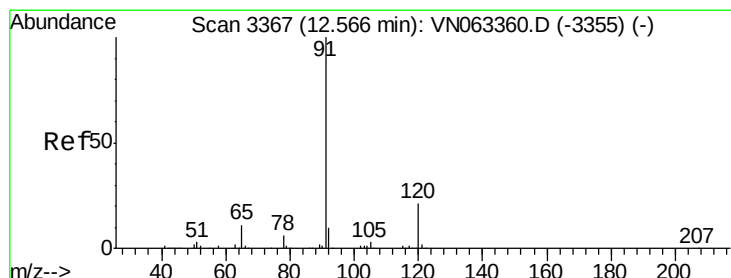
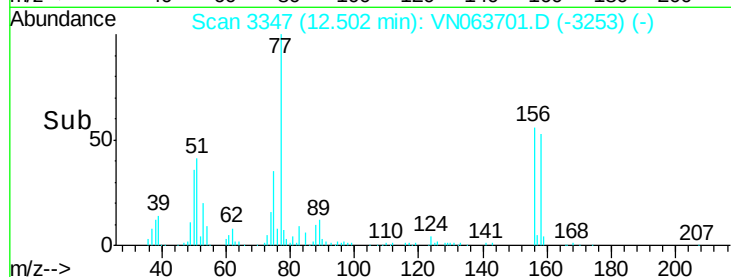
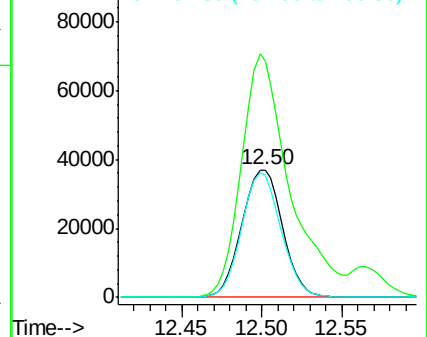
9/29/2020 4:37:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.056 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063701.D

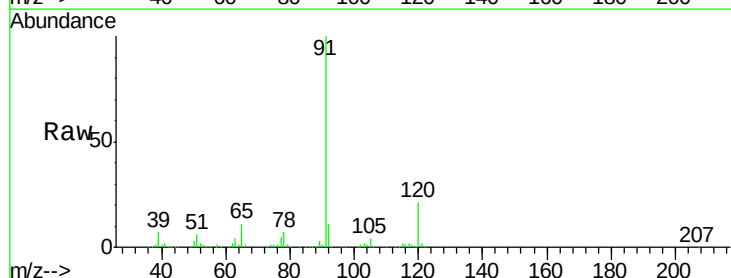
Acq: 28 Sep 2020 13:28

Tgt Ion: 91 Resp: 296437

Ion Ratio Lower Upper

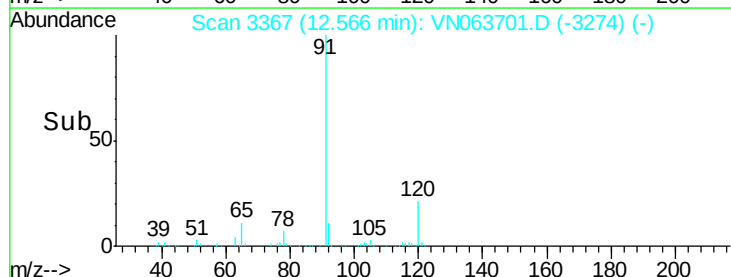
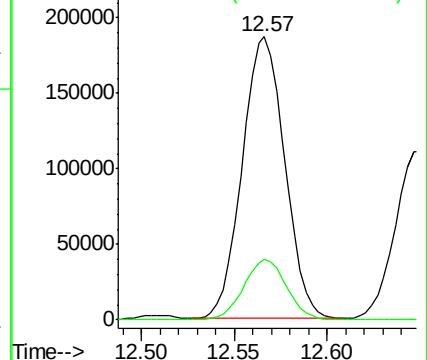
91 100

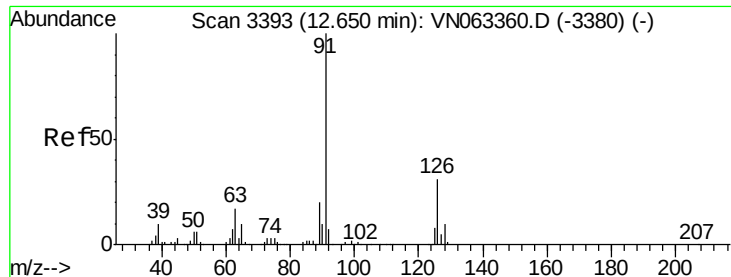
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.711 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion: 91 Resp: 184143

Ion Ratio Lower Upper

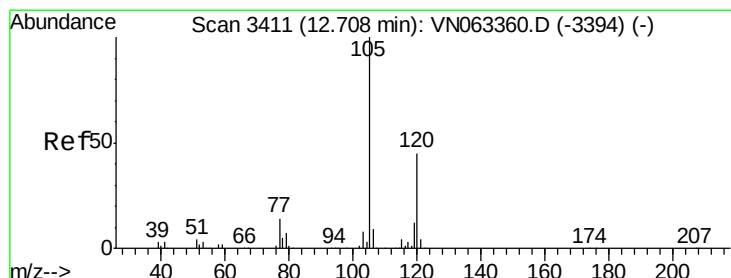
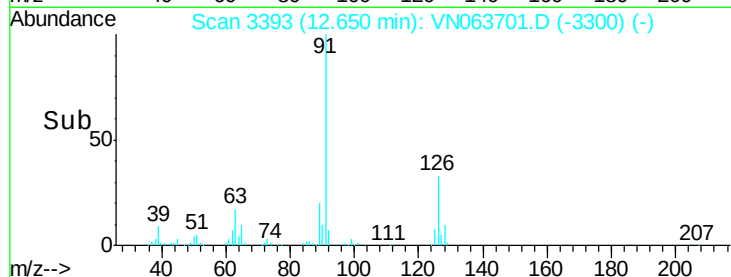
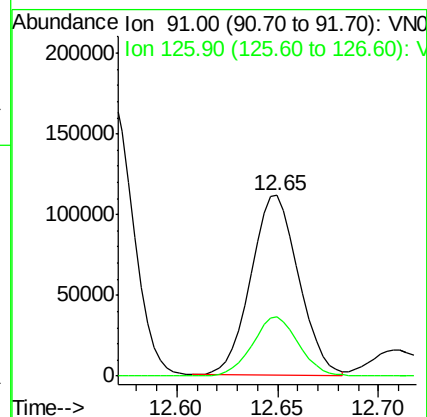
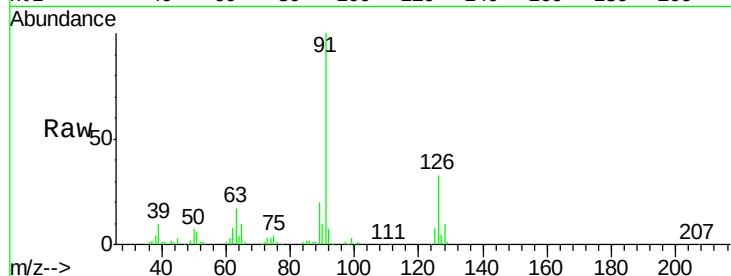
91 100

126 32.0 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 18.654 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063701.D

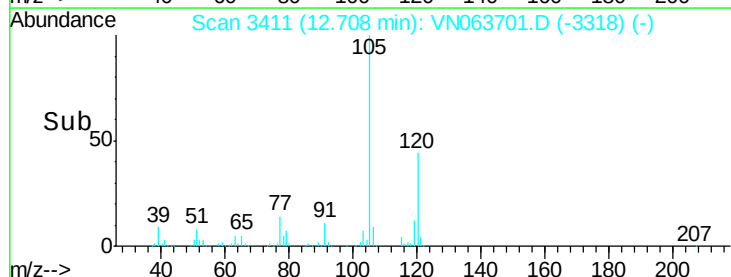
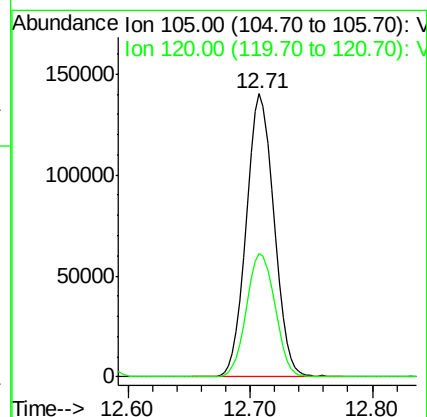
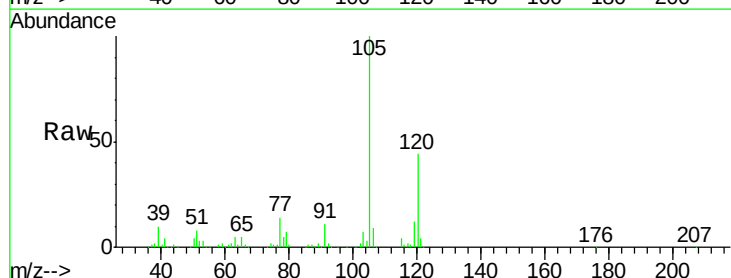
Acq: 28 Sep 2020 13:28

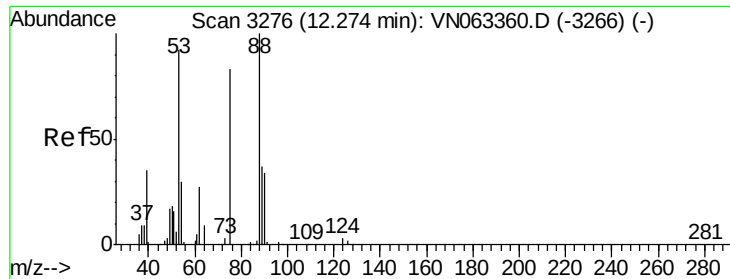
Tgt Ion: 105 Resp: 219264

Ion Ratio Lower Upper

105 100

120 45.0 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.509 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

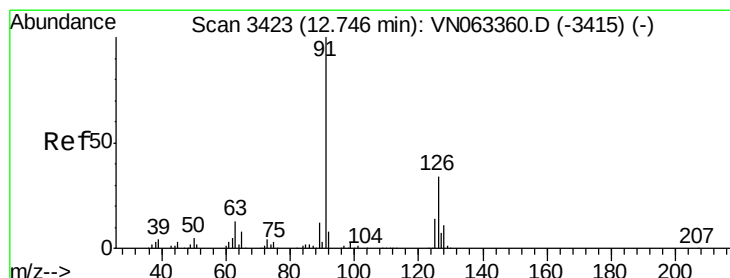
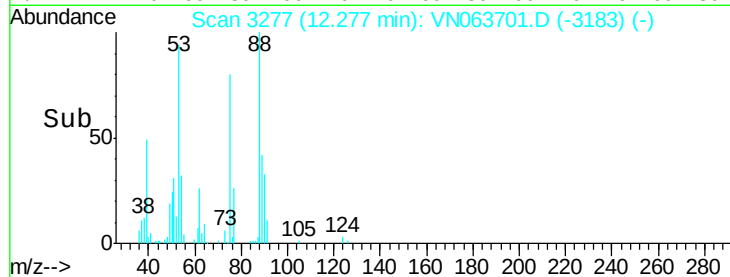
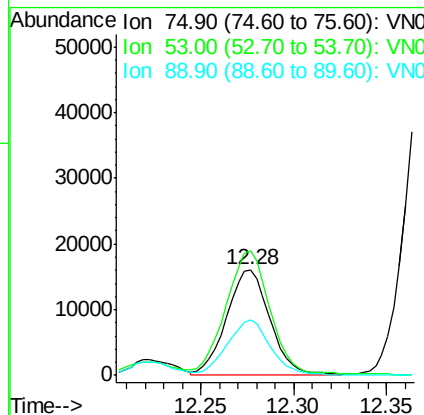
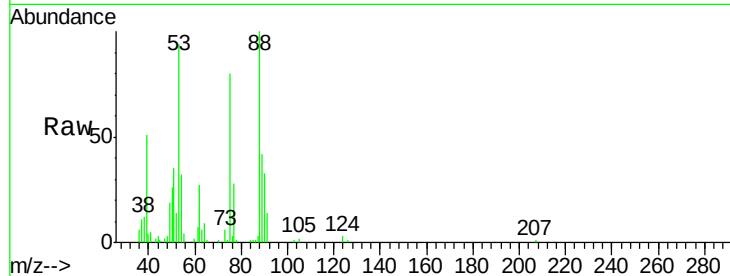
ClientSampleId :

VN0928WBS01

Tot Ion:	75	Resp:	26217
Ion	Ratio	Lower	Upper
75	100		
53	117.9	85.7	128.5
89	51.8	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.529 ug/l

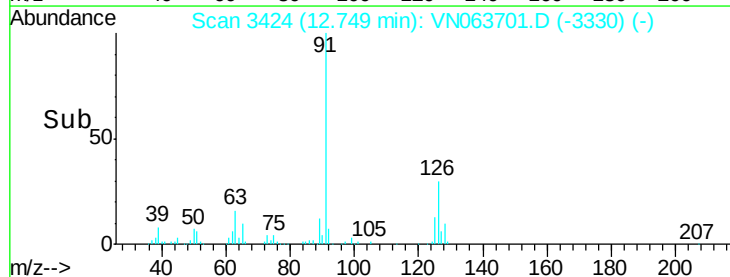
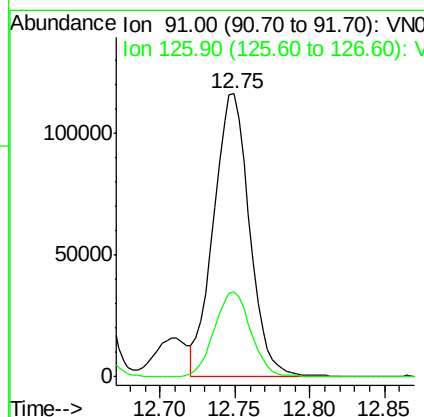
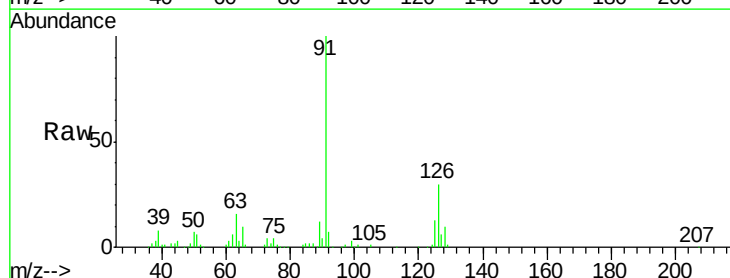
RT: 12.75 min Scan# 3424

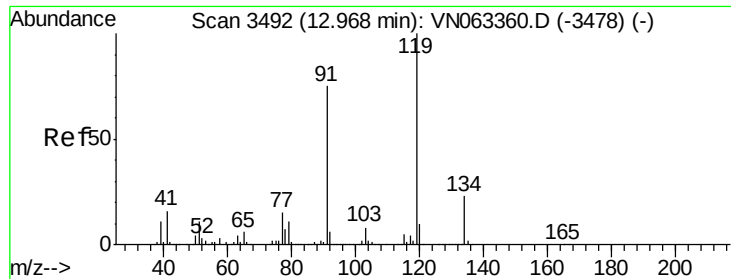
Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	91	Resp:	192671
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





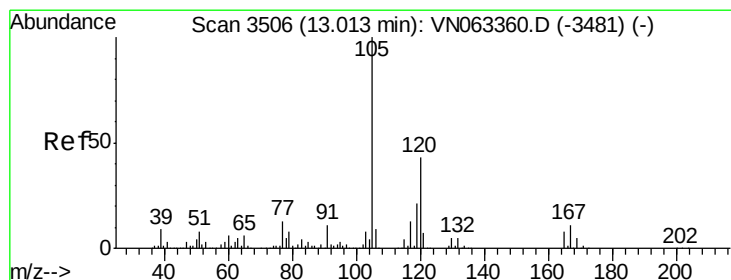
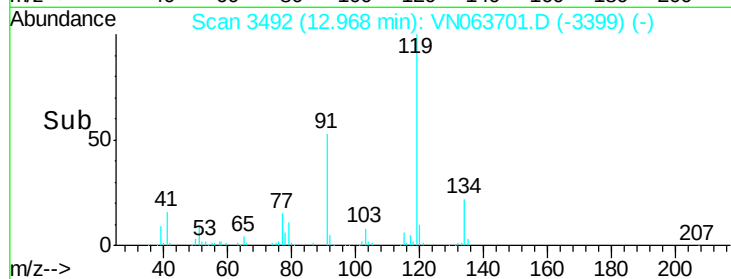
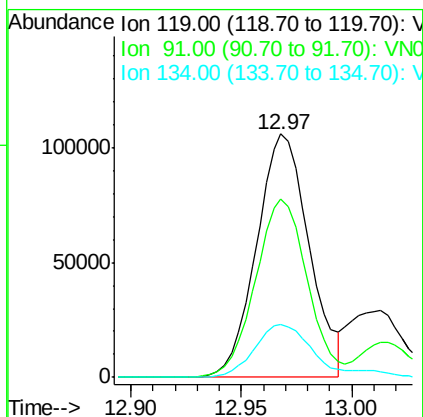
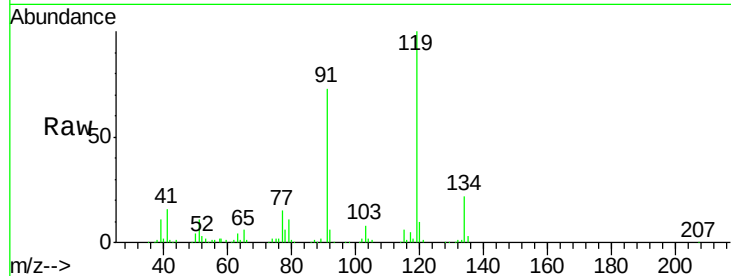
#83
 tert-Butylbenzene
 Concen: 18.049 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175097		
91	72.1	36.3	108.9	
134	23.4	12.3	36.8	

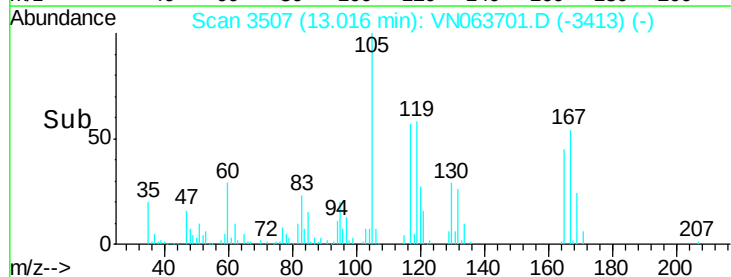
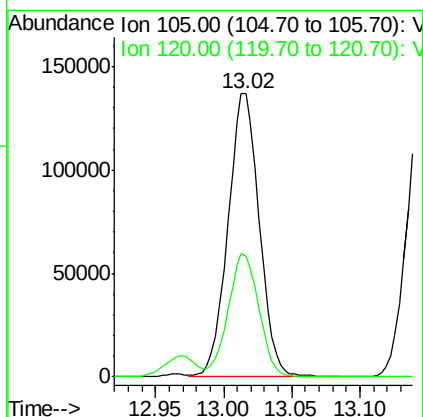
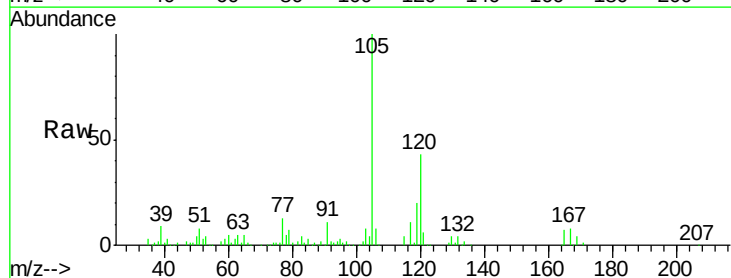
Manual Integrations
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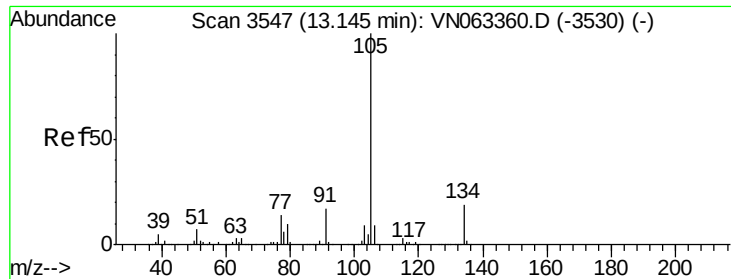
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.248 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216645		
120	42.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 17.966 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

Tot Ion:105 Resp: 233303

Ion Ratio Lower Upper

105 100

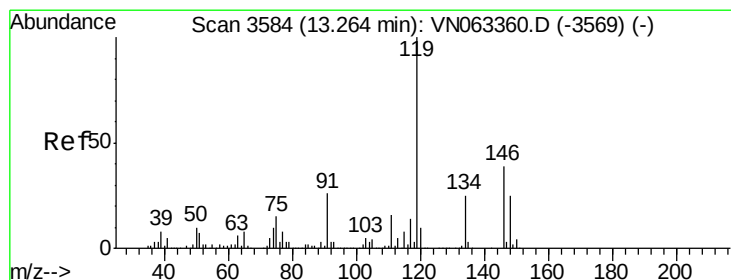
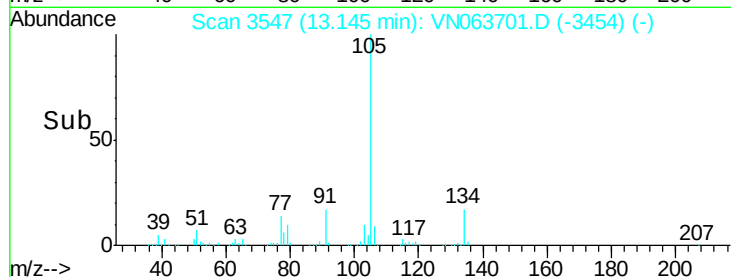
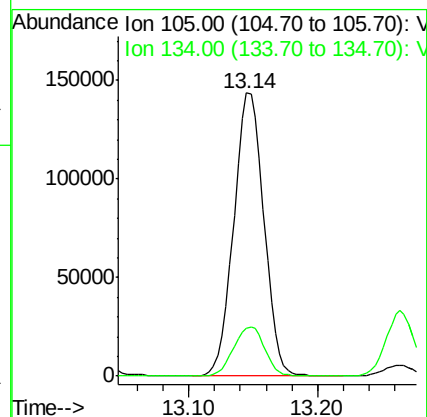
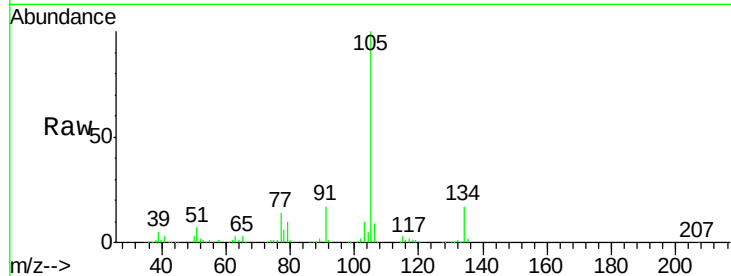
134 18.0 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.202 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

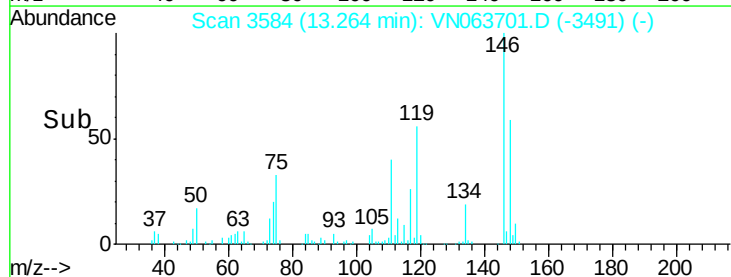
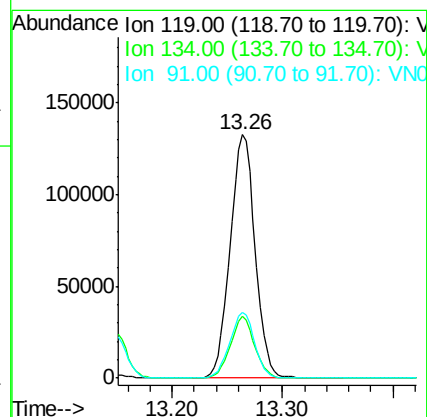
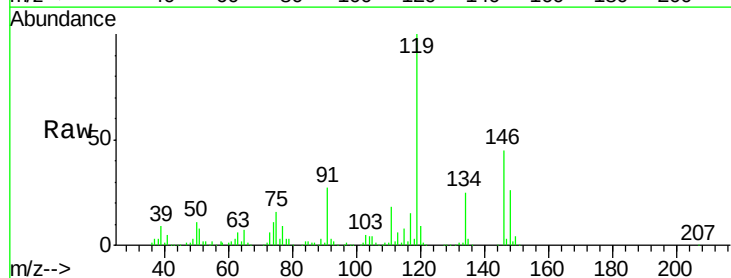
Tgt Ion:119 Resp: 208473

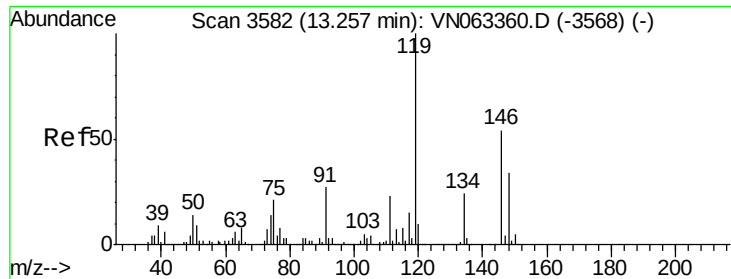
Ion Ratio Lower Upper

119 100

134 24.4 12.5 37.5

91 26.4 13.4 40.1





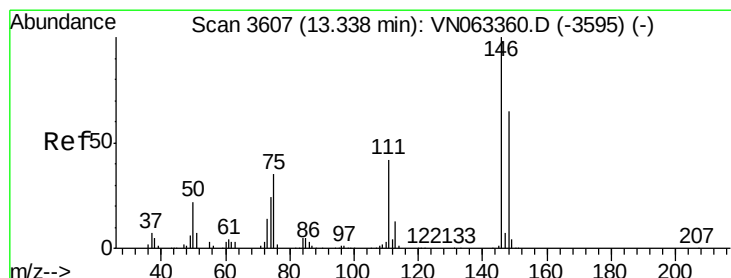
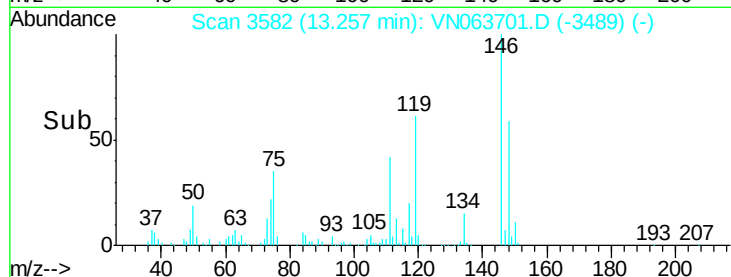
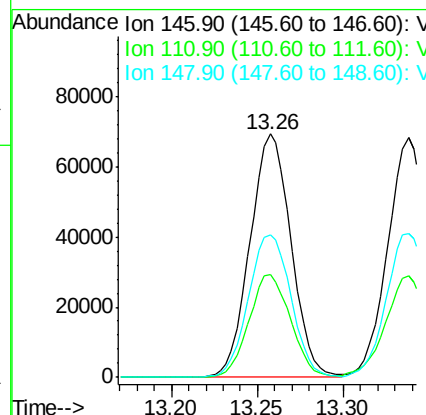
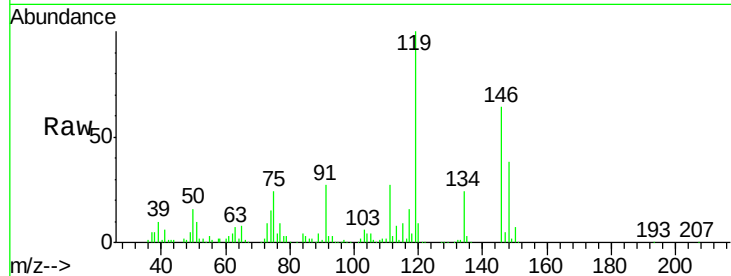
#87
 1,3-Dichlorobenzene
 Concen: 19.519 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	60.7	31.9	95.7

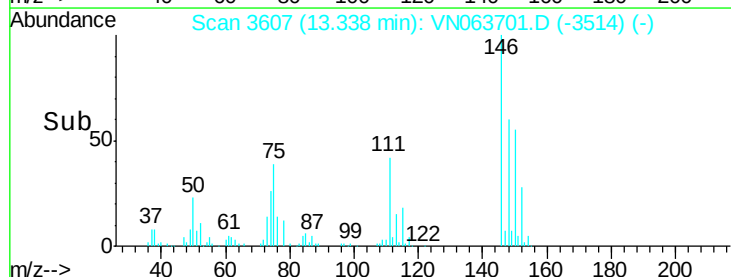
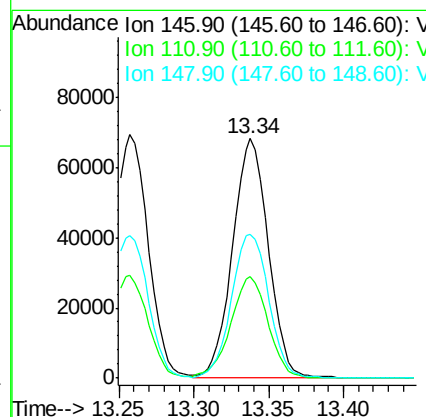
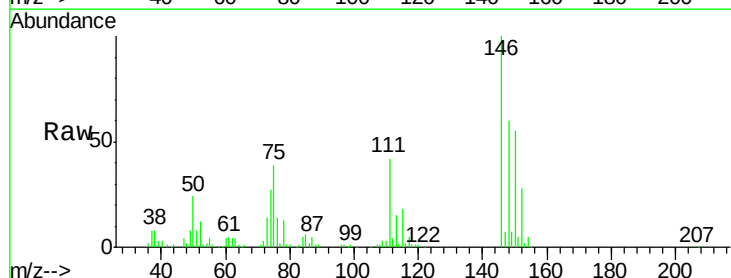
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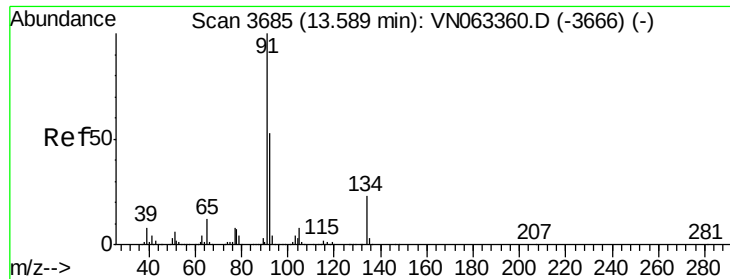
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 9/29/2020 4:37:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.921 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.2	63.6
148	63.1	31.9	95.9





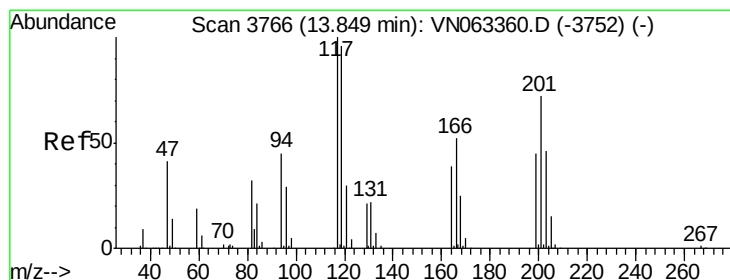
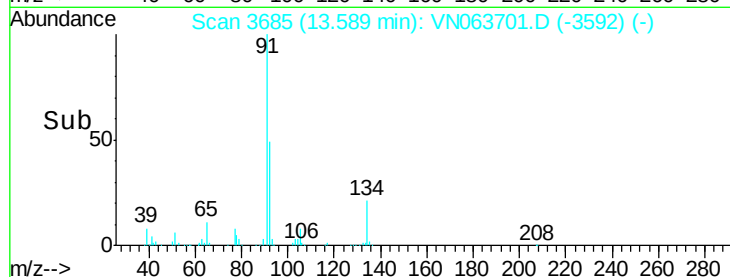
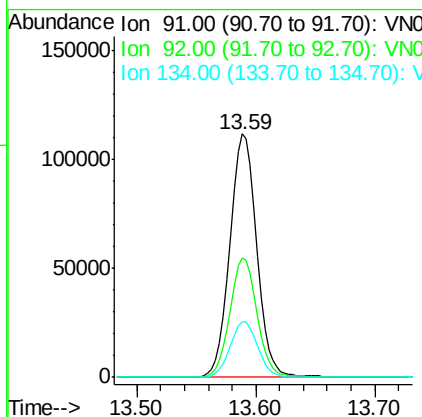
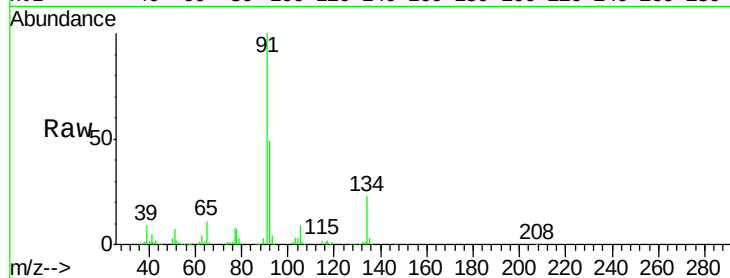
#89
n-Butylbenzene
Concen: 16.572 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	174950		
92	49.9	26.0	78.0	
134	23.4	11.7	35.0	

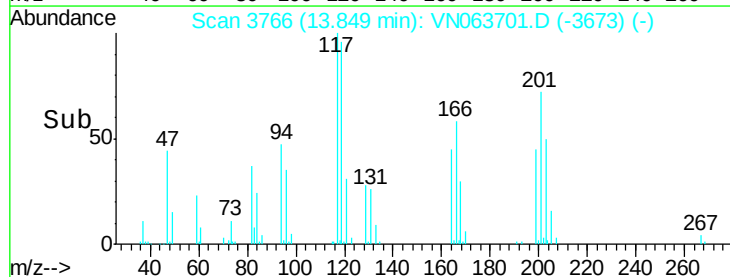
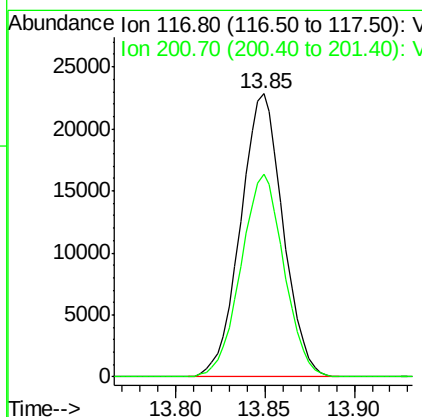
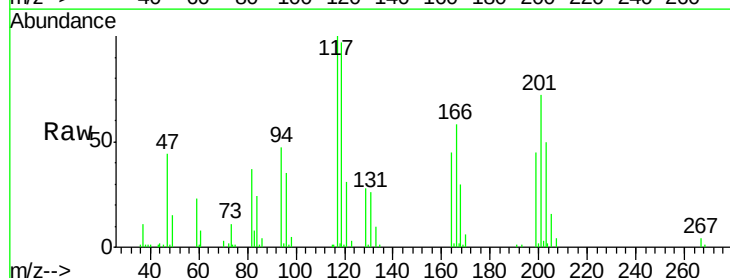
Manual Integrations
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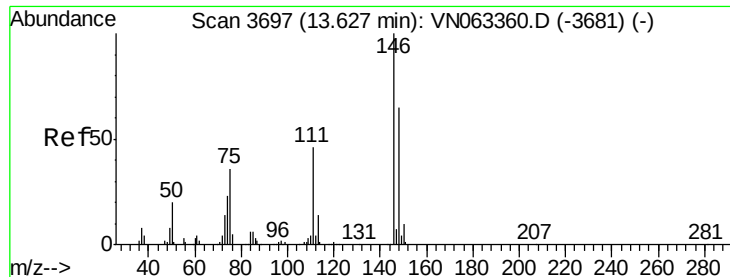
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#90
Hexachloroethane
Concen: 17.434 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063701.D
Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38021		
201	72.4	35.5	106.7	





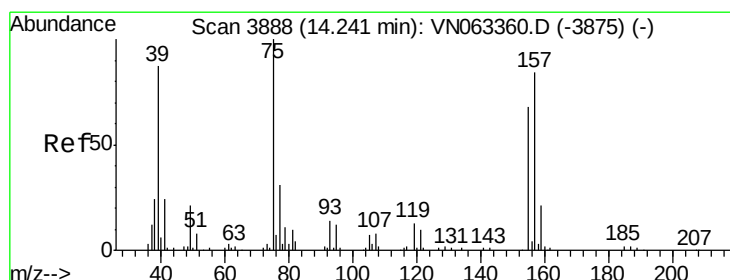
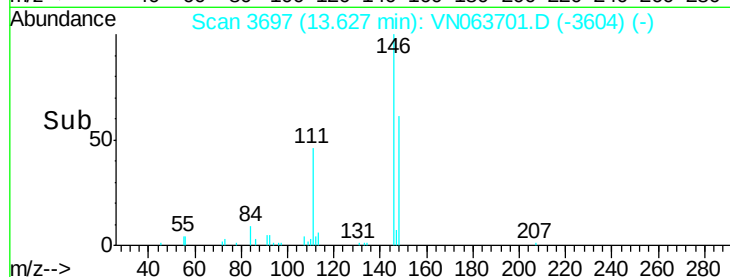
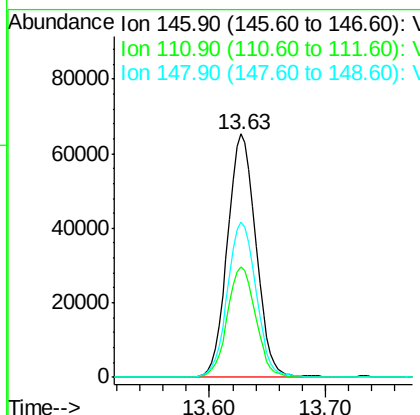
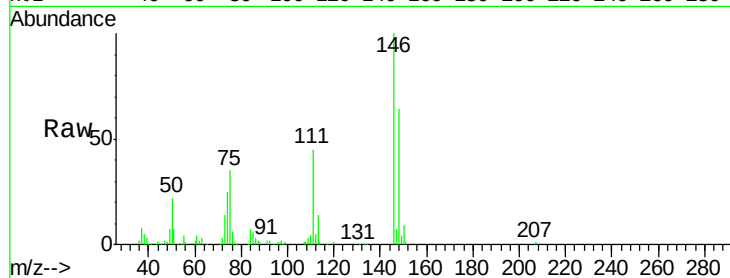
#91
 1,2-Dichlorobenzene
 Concen: 19.276 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111221		
111	44.9	22.4	67.2	
148	64.2	32.0	96.0	

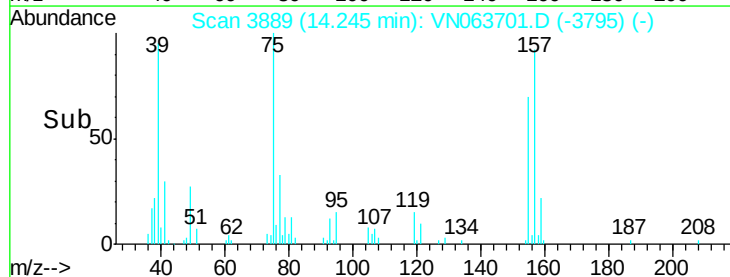
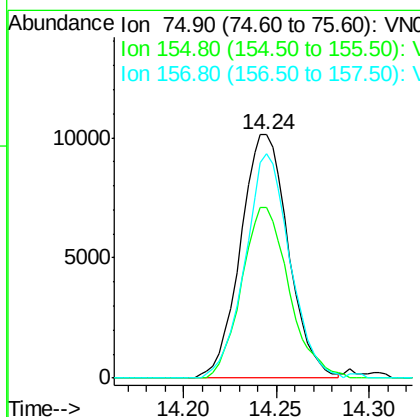
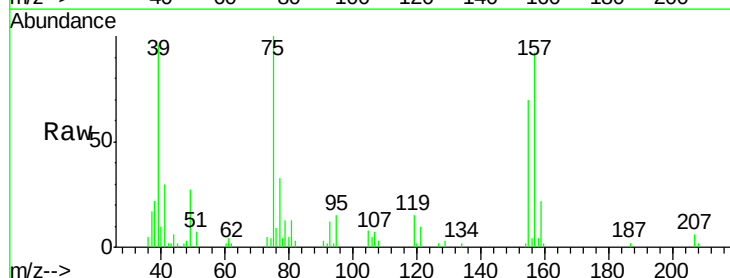
Manual Integrations
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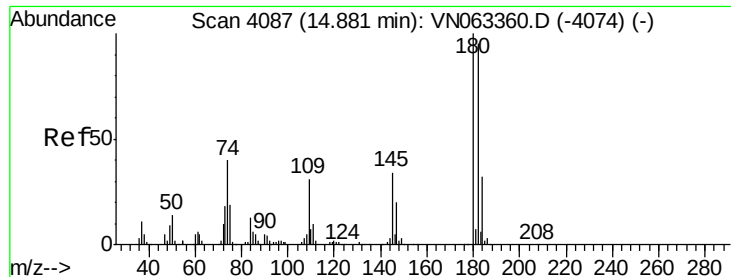
MMDadoda
 9/29/2020 4:37:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.551 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18241		
155	69.5	34.6	103.9	
157	86.2	43.7	131.1	





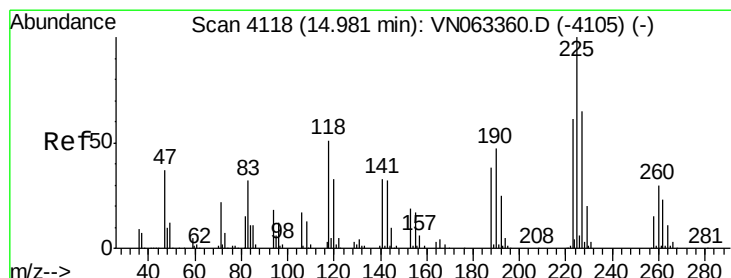
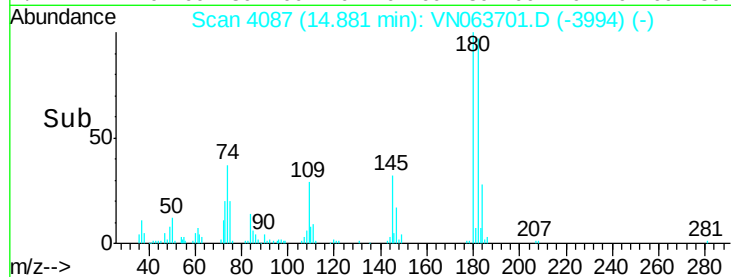
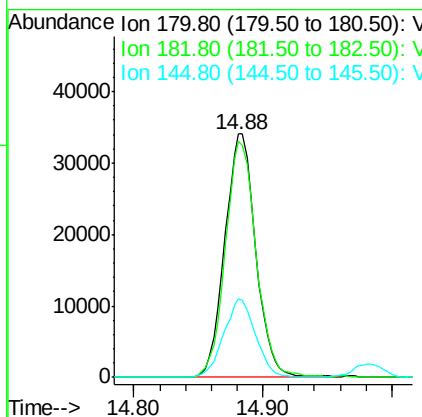
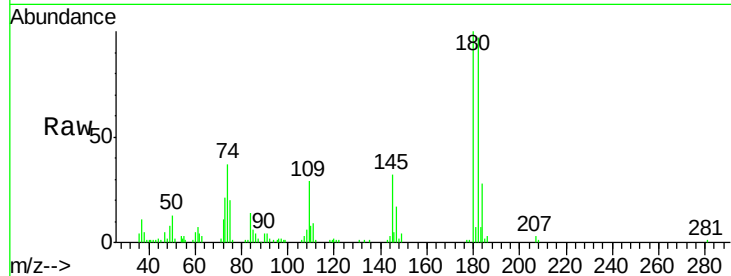
#93
 1,2,4-Trichlorobenzene
 Concen: 16.677 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56728		
182	96.5	47.3	142.0	
145	32.9	16.6	49.7	

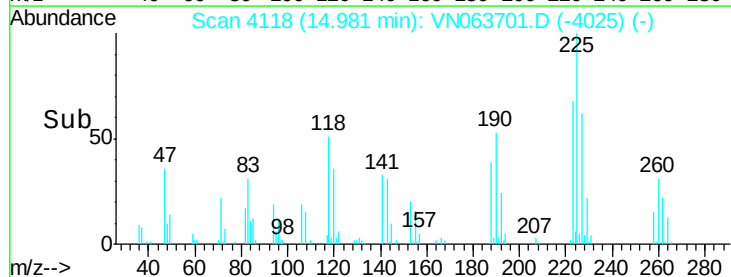
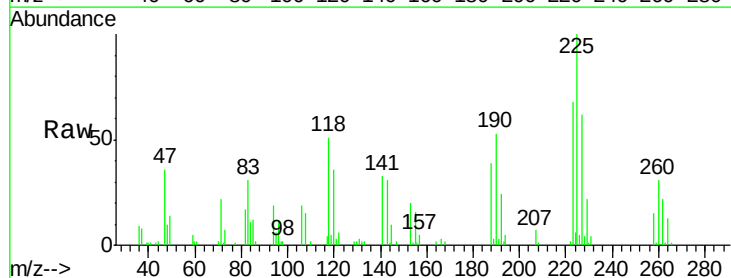
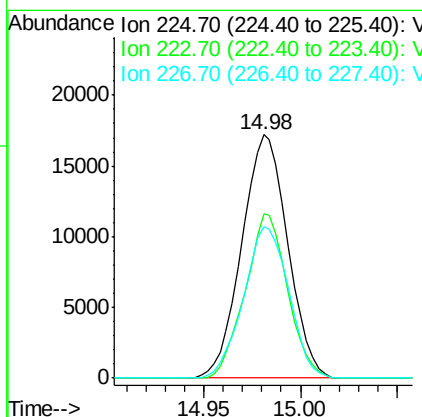
Manual Integrations
 APPROVED

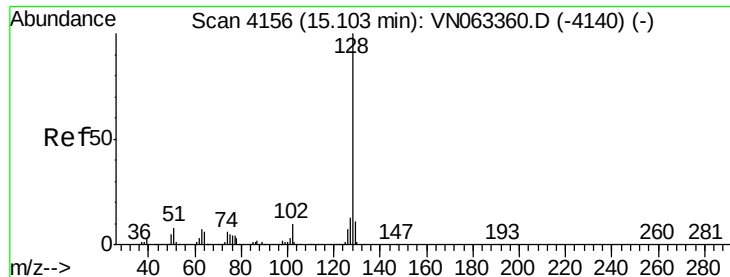
MMDadoda
 9/29/2020 4:37:58 PM



#94
 Hexachlorobutadiene
 Concen: 20.208 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063701.D
 Acq: 28 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28457		
223	62.3	30.6	91.6	
227	61.2	31.2	93.6	





#95

Naphthalene

Concen: 15.366 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Instrument :

MSVOA_N

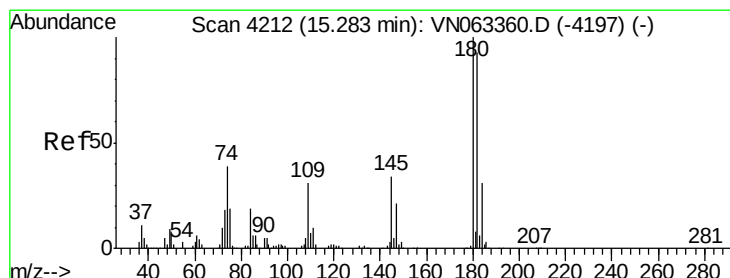
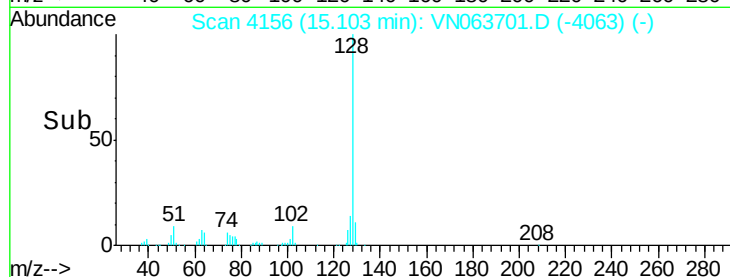
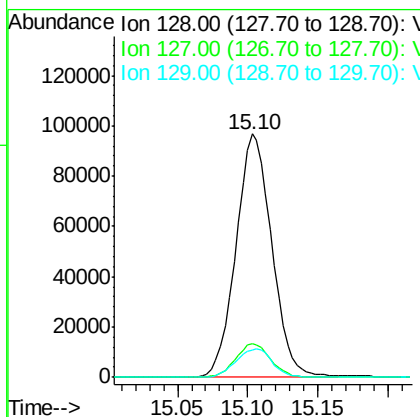
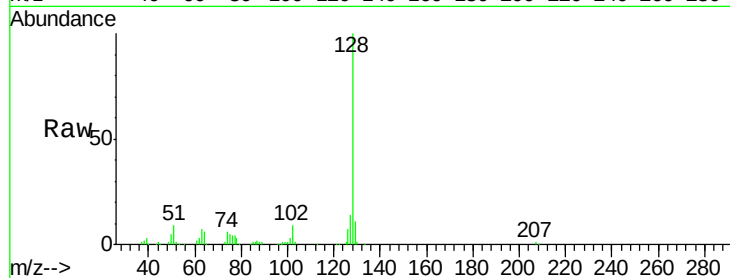
ClientSampleId :

VN0928WBS01

Tot Ion:	128	Resp:	172685
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.851 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063701.D

Acq: 28 Sep 2020 13:28

Tgt Ion:	180	Resp:	55382
Ion Ratio	Lower	Upper	
180	100		
182	91.9	46.7	140.1
145	33.0	16.8	50.3

