

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063556.D
 Acq On : 23 Sep 2020 1:40
 Operator : JC/MD
 Sample : VN0922WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:06:40 PM

Quant Time: Sep 23 06:45:55 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	241428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	428193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	213307	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.55	113	148284	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.06	98	545294	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.38	95	201349	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50648	18.517	ug/l	96
3) Chloromethane	2.04	50	64197	17.742	ug/l	98
4) Vinyl Chloride	2.16	62	62708	19.561	ug/l	98
5) Bromomethane	2.54	94	43164	22.677	ug/l	95
6) Chloroethane	2.68	64	39429	20.037	ug/l	97
7) Trichlorofluoromethane	2.99	101	98880	20.673	ug/l	99
8) Diethyl Ether	3.38	74	37778	20.261	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51843	19.274	ug/l	99
10) Methyl Iodide	3.91	142	67301	19.218	ug/l	99
11) Tert butyl alcohol	4.73	59	51401	90.281	ug/l	99
12) 1,1-Dichloroethene	3.70	96	51445	18.882	ug/l	92
13) Acrolein	3.57	56	15866	75.197	ug/l	92
14) Allyl chloride	4.28	41	99144	18.397	ug/l	98
15) Acrylonitrile	4.93	53	142732	98.557	ug/l	99
16) Acetone	3.78	43	129231	97.843	ug/l	100
17) Carbon Disulfide	4.02	76	139755	17.635	ug/l	99
18) Methyl Acetate	4.28	43	68095	20.308	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	195655	19.268	ug/l	97
20) Methylene Chloride	4.51	84	65430	19.552	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	56959	18.870	ug/l	96
22) Diisopropyl ether	5.90	45	216481	19.696	ug/l	97
23) Vinyl Acetate	5.85	43	866514	95.996	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118151	19.690	ug/l	97
25) 2-Butanone	6.79	43	192345	94.688	ug/l	100
26) 2,2-Dichloropropane	6.78	77	80677	15.271	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	67909	19.876	ug/l	100
28) Bromochloromethane	7.15	49	57515	20.759	ug/l	99
29) Tetrahydrofuran	7.17	42	129930	93.652	ug/l	99
30) Chloroform	7.33	83	121288	20.147	ug/l	99
31) Cyclohexane	7.62	56	93436	16.462	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	105121	19.632	ug/l	99
36) 1,1-Dichloropropene	7.75	75	83312	18.263	ug/l	99
37) Ethyl Acetate	6.88	43	87587	19.563	ug/l	100
38) Carbon Tetrachloride	7.74	117	87054	18.694	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	81535	16.468	ug/l	98
40) Benzene	8.00	78	249798	19.183	ug/l	98
41) Methacrylonitrile	7.13	41	39930	19.829	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	106649	20.365	ug/l	98
43) Isopropyl Acetate	8.13	43	143716	17.952	ug/l	99
44) Trichloroethene	8.80	130	62268	19.715	ug/l	98
45) 1,2-Dichloropropane	9.08	63	67974	19.165	ug/l	98
46) Dibromomethane	9.18	93	46927	20.131	ug/l	99
47) Bromodichloromethane	9.37	83	96623	19.952	ug/l	98
48) Methyl methacrylate	9.17	41	69012	17.546	ug/l	94
49) 1,4-Dioxane	9.16	88	21268	376.795	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	434229	96.886	ug/l	99
52) Toluene	10.13	92	155384	19.846	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	96948	17.932	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103968	18.231	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	64206	20.646	ug/l	98
56) Ethyl methacrylate	10.40	69	91416	18.830	ug/l	97
57) 1,3-Dichloropropane	10.68	76	108480	19.343	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	224817	88.275	ug/l	97
59) 2-Hexanone	10.72	43	308347	94.964	ug/l	99
60) Dibromochloromethane	10.87	129	68914	19.615	ug/l	98
61) 1,2-Dibromoethane	10.98	107	64388	19.929	ug/l	97
64) Tetrachloroethene	10.60	164	54982	20.385	ug/l	99
65) Chlorobenzene	11.41	112	163587	19.456	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	62785	20.371	ug/l	98
67) Ethyl Benzene	11.48	91	299729	18.929	ug/l	99
68) m/p-Xylenes	11.59	106	216796	37.974	ug/l	100
69) o-Xylene	11.92	106	104974	19.302	ug/l	99
70) Styrene	11.94	104	175738	19.269	ug/l	99
71) Bromoform	12.10	173	43154	18.794	ug/l #	99
73) Isopropylbenzene	12.23	105	279811	19.203	ug/l	98
74) N-amyl acetate	12.05	43	125722	18.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	89486	19.834	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	89828m	19.959	ug/l	
77) Bromobenzene	12.50	156	65700	20.045	ug/l	96
78) n-propylbenzene	12.57	91	317425	18.704	ug/l	99
79) 2-Chlorotoluene	12.65	91	196164	19.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	232210	19.111	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	26282	16.010	ug/l	93
82) 4-Chlorotoluene	12.75	91	206060	19.170	ug/l	100
83) tert-Butylbenzene	12.97	119	186370	18.584	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	235736	19.208	ug/l	100
85) sec-Butylbenzene	13.15	105	253233	18.865	ug/l	100
86) p-Isopropyltoluene	13.26	119	219272	18.520	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	120038	19.759	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	120595	19.525	ug/l	99
89) n-Butylbenzene	13.59	91	194127	17.788	ug/l	97
90) Hexachloroethane	13.85	117	39227	17.400	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	120059	20.129	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19722	18.357	ug/l	95

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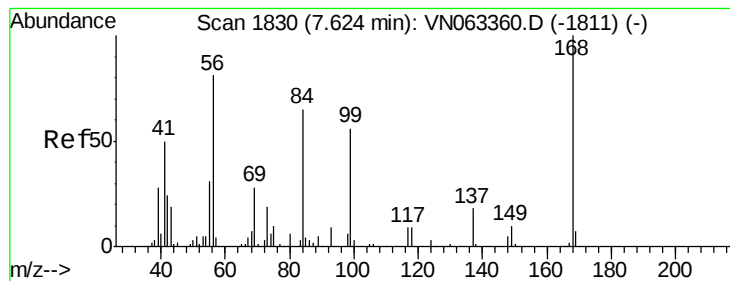
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	63896	18.172	ug/l	96
94) Hexachlorobutadiene	14.98	225	29774	20.454	ug/l	99
95) Naphthalene	15.10	128	218524	18.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	65357	19.237	ug/l	100

(#) = 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: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion:168 Resp: 241428

Ion Ratio Lower Upper

168 100

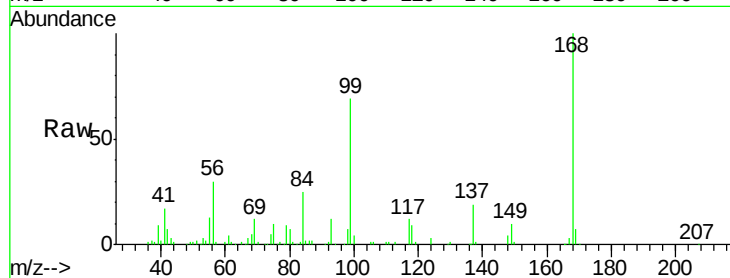
99 68.3 53.0 79.6

Manual Integrations

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9/23/2020 1:06:40 PM



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

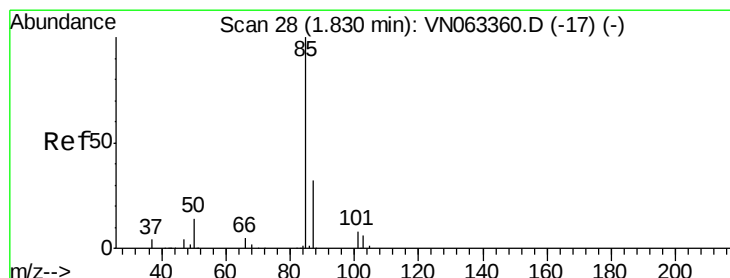
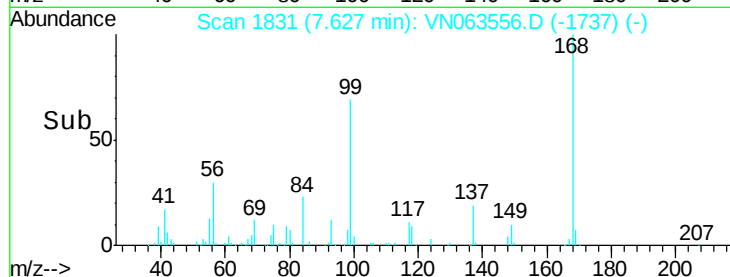
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 18.517 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063556.D

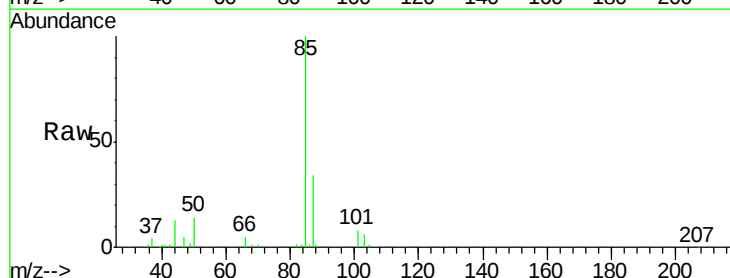
Acq: 23 Sep 2020 1:40

Tgt Ion: 85 Resp: 50648

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

40000

30000

20000

10000

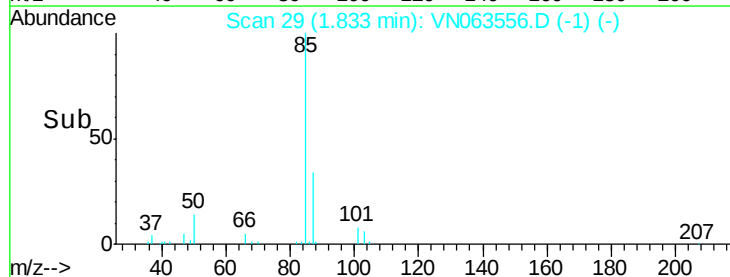
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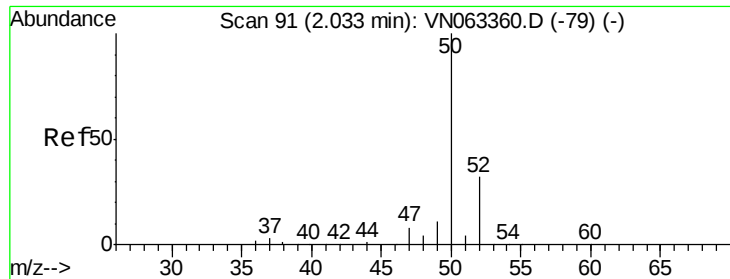
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 17.742 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 50 Resp: 64197

Ion Ratio Lower Upper

50 100

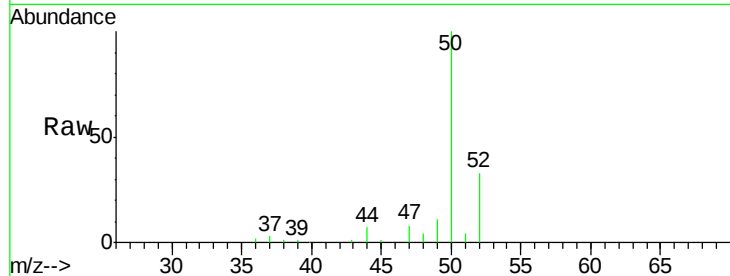
52 33.4 25.9 38.9

Manual Integrations

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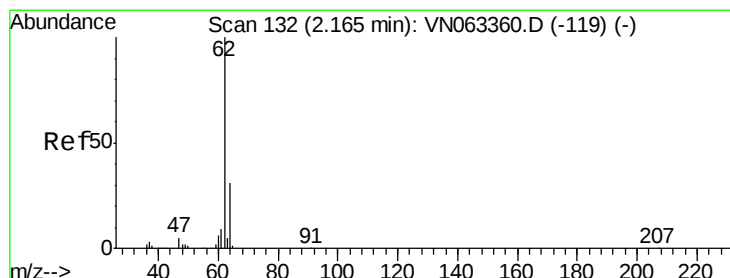
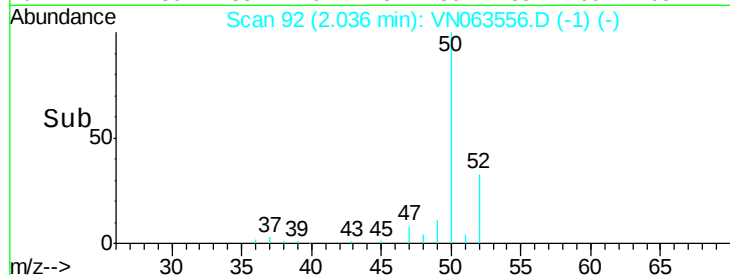
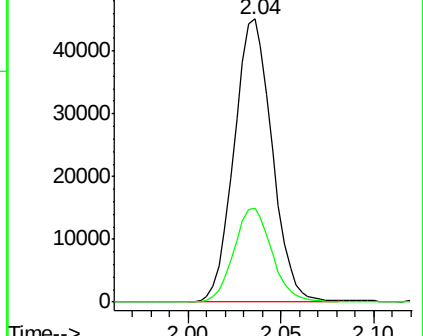
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.561 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063556.D

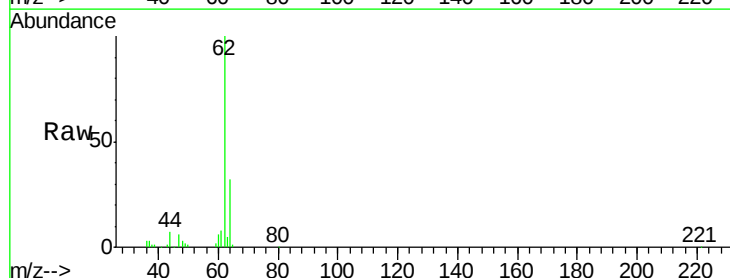
Acq: 23 Sep 2020 1:40

Tgt Ion: 62 Resp: 62708

Ion Ratio Lower Upper

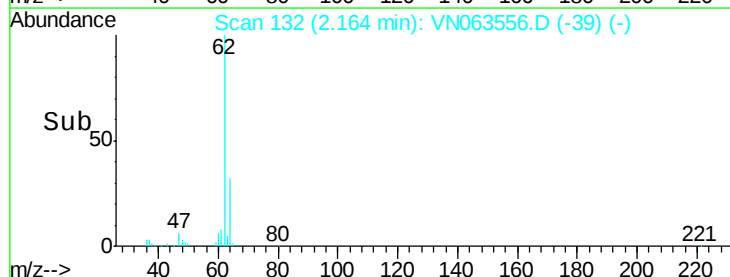
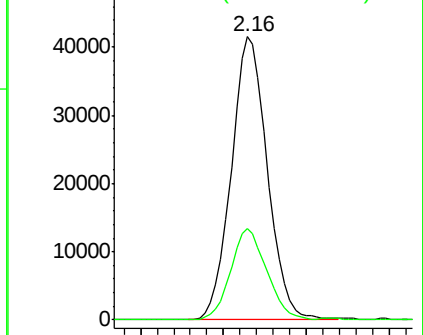
62 100

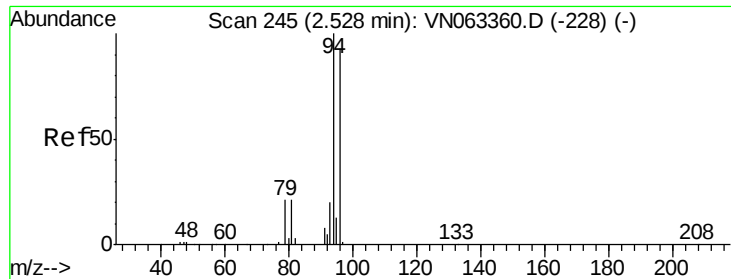
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.677 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

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ClientSampleId :

VN0922WBSD02

Tot Ion: 94 Resp: 43164

Ion Ratio Lower Upper

94 100

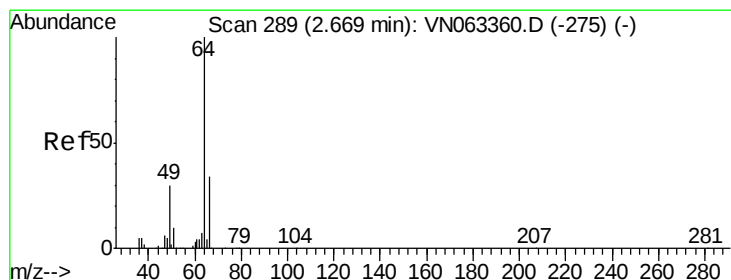
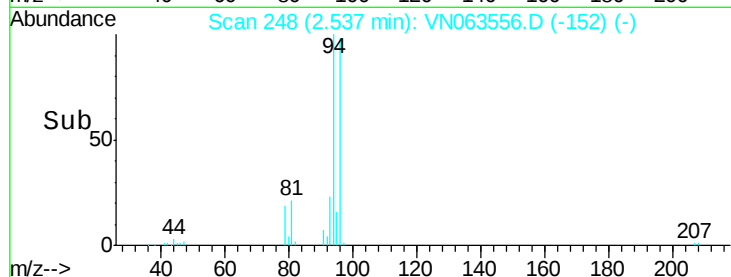
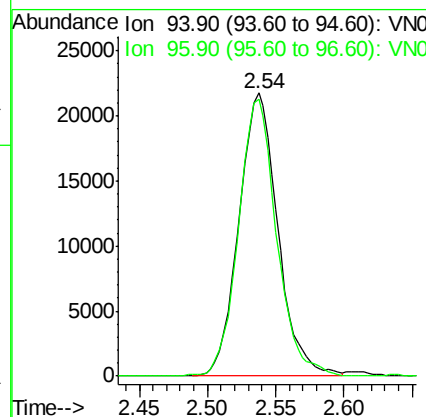
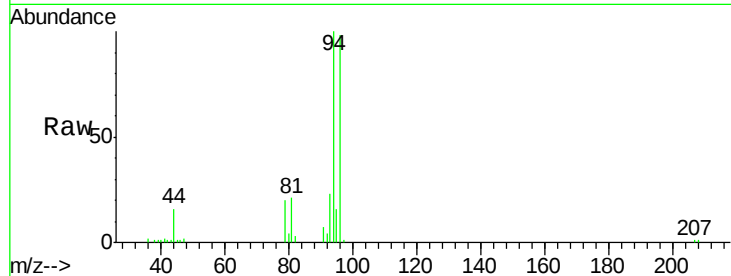
96 97.8 74.5 111.7

Manual Integrations

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9/23/2020 1:06:40 PM



#6

Chloroethane

Concen: 20.037 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063556.D

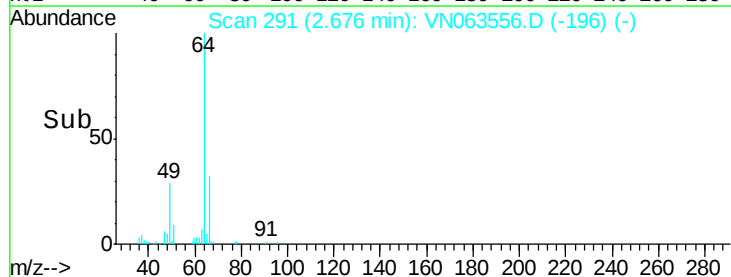
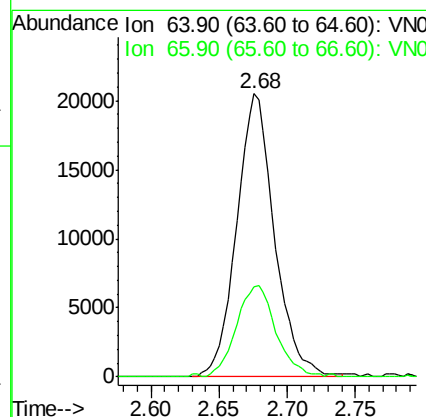
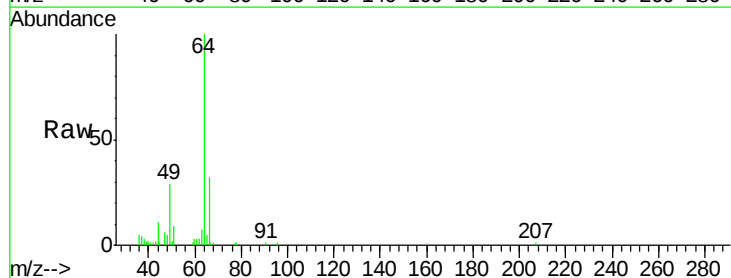
Acq: 23 Sep 2020 1:40

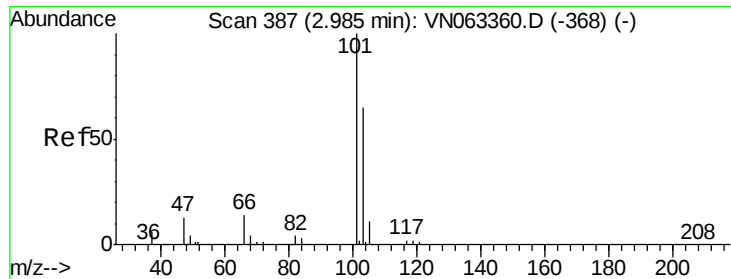
Tgt Ion: 64 Resp: 39429

Ion Ratio Lower Upper

64 100

66 31.6 26.9 40.3





#7

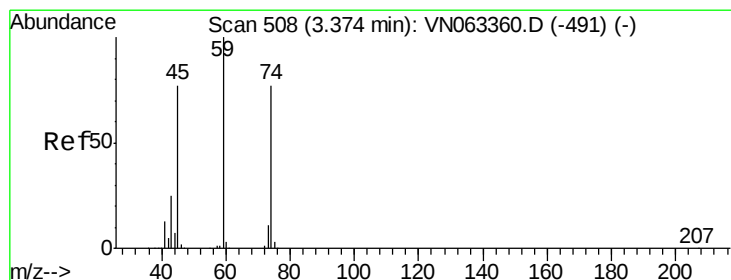
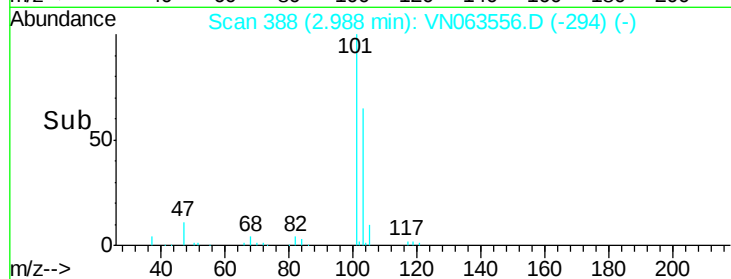
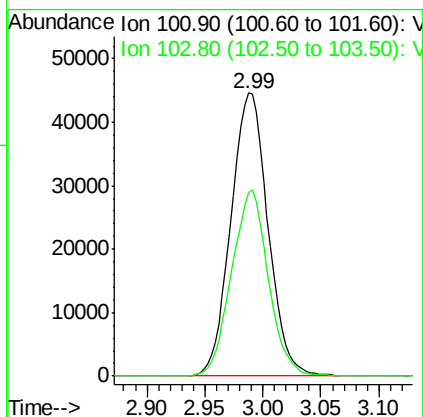
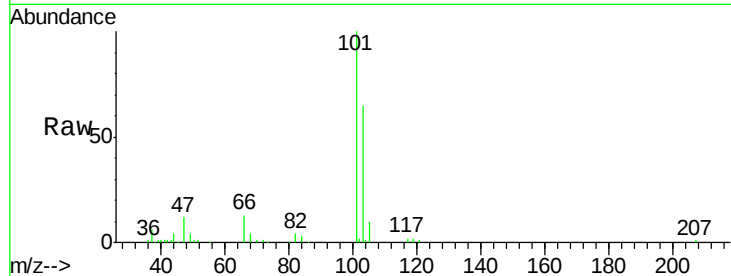
Trichlorofluoromethane
 Concen: 20.673 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.3	78.5

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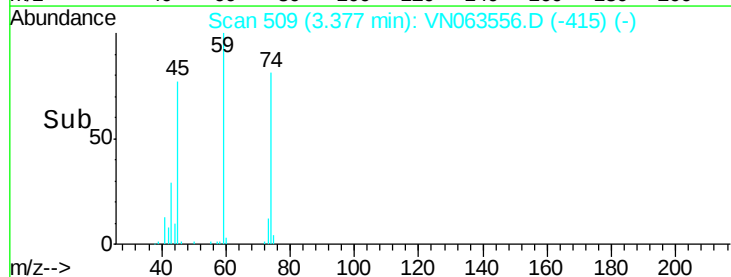
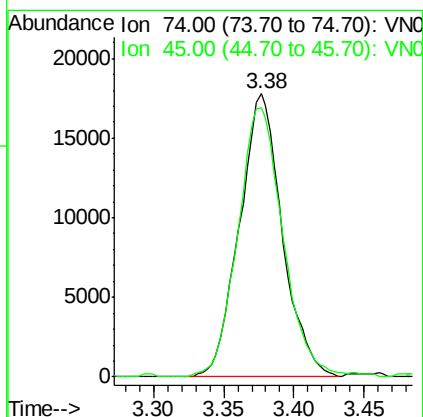
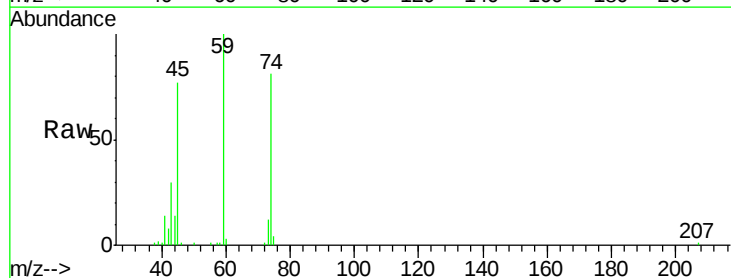
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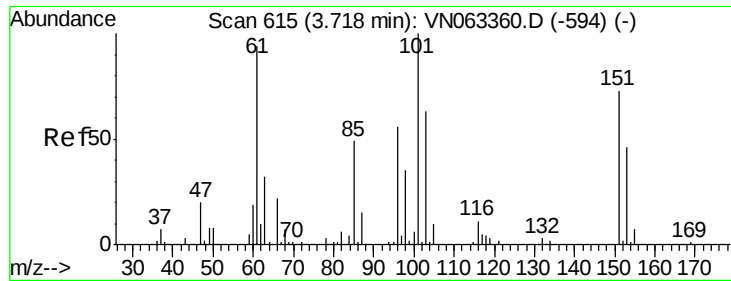


#8

Diethyl Ether
 Concen: 20.261 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.274 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

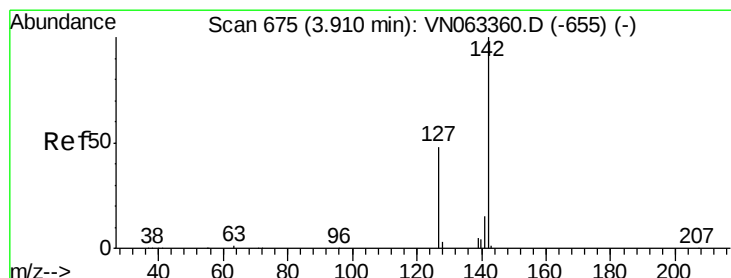
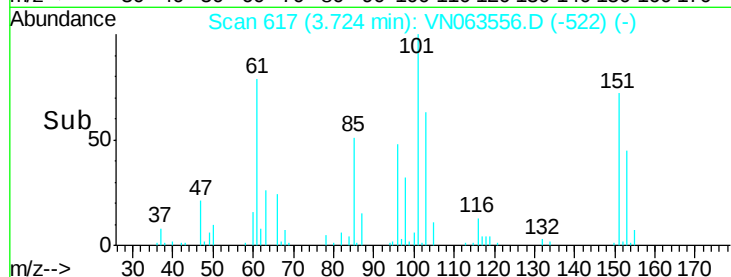
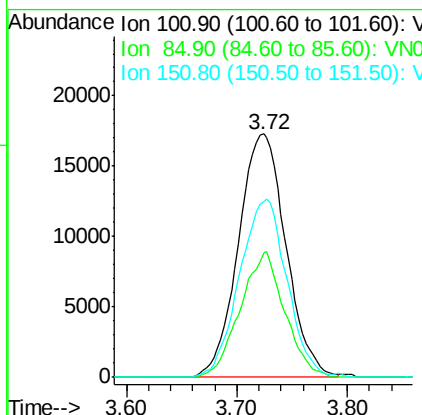
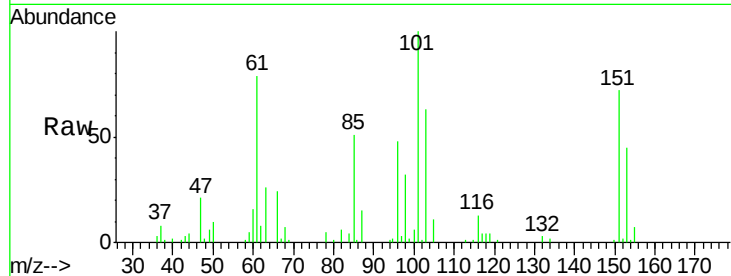
ClientSampleId :

VN0922WBSD02

Tot Ion:	101	Resp:	51843
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	72.8	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.218 ug/l

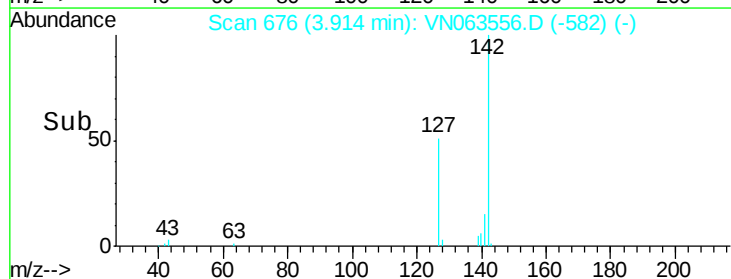
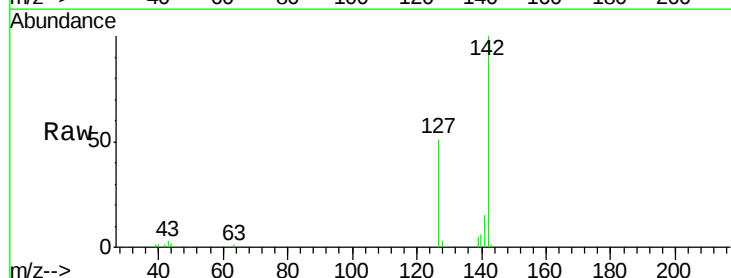
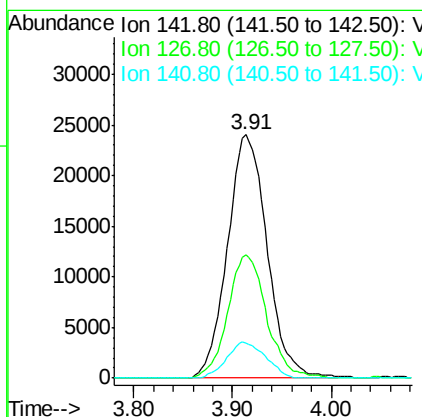
RT: 3.91 min Scan# 676

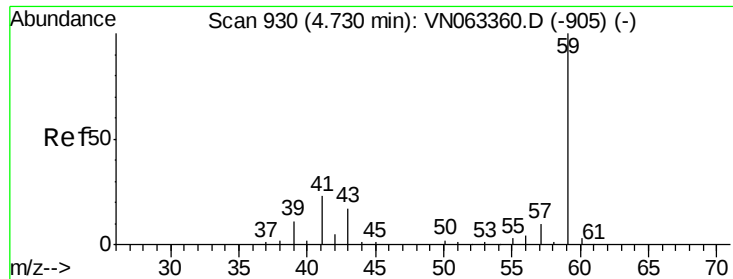
Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion:	142	Resp:	67301
Ion Ratio	Lower	Upper	
142	100		
127	49.6	39.0	58.6
141	14.5	11.6	17.4





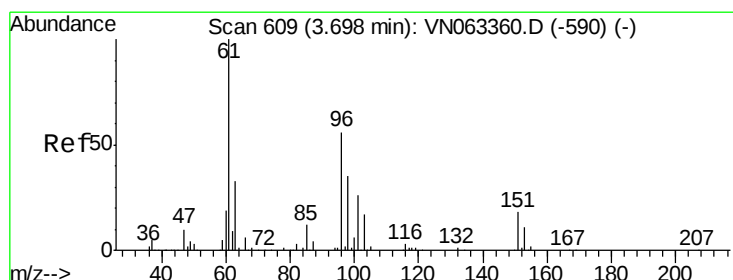
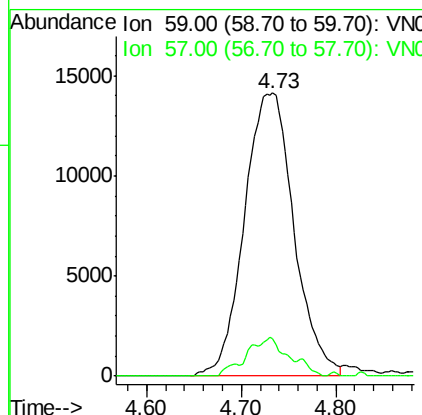
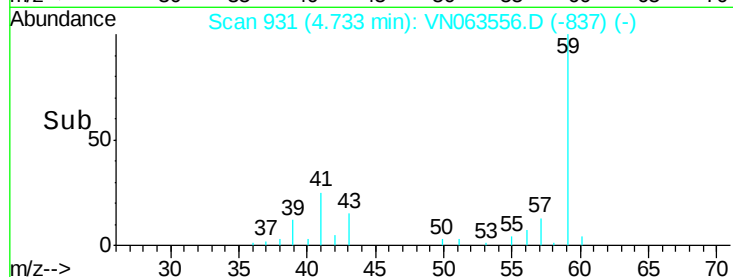
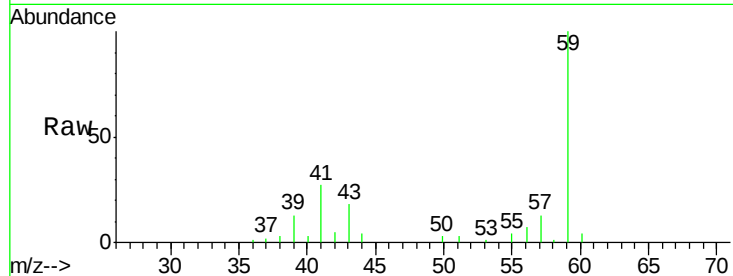
#11
Tert butyl alcohol
Concen: 90.281 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	51401		
57	57	10.2		8.4	12.6

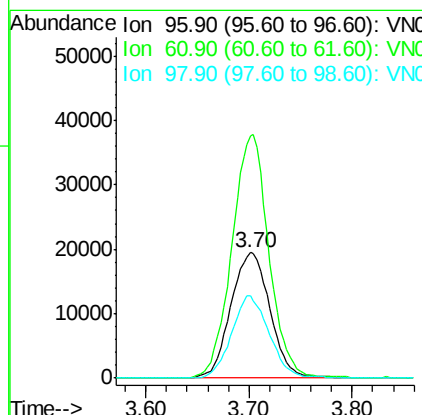
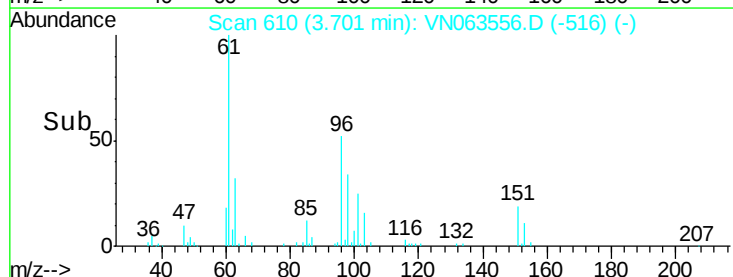
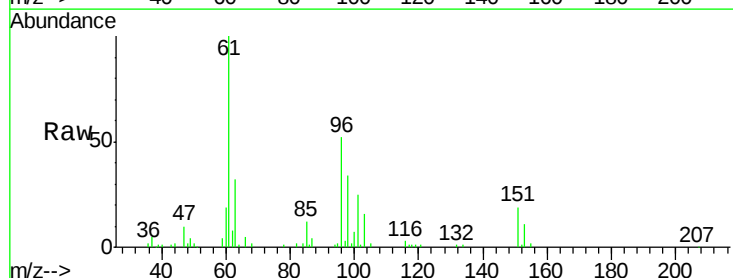
Manual Integrations
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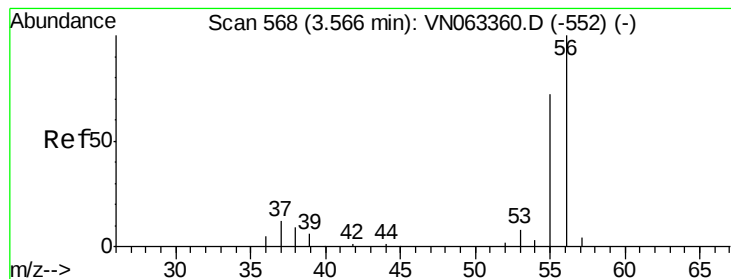
MMDadoda
9/23/2020 1:06:40 PM



#12
1,1-Dichloroethene
Concen: 18.882 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	51445		
61	61	193.5		143.4	215.2
98	98	65.5		50.6	76.0





#13

Acrolein

Concen: 75.197 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 56 Resp: 15866

Ion Ratio Lower Upper

56 100

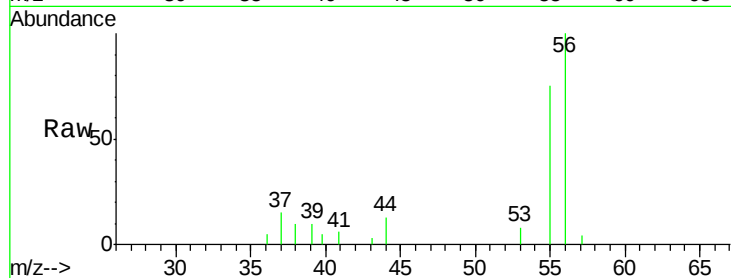
55 79.6 58.2 87.2

Manual Integrations

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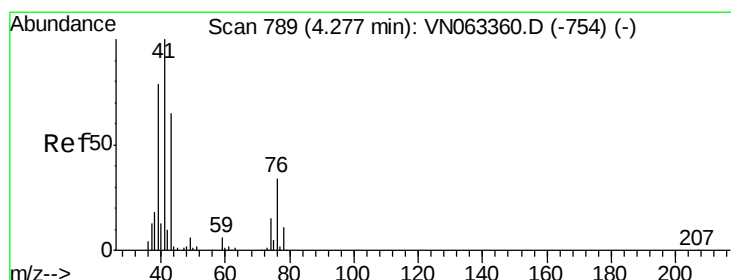
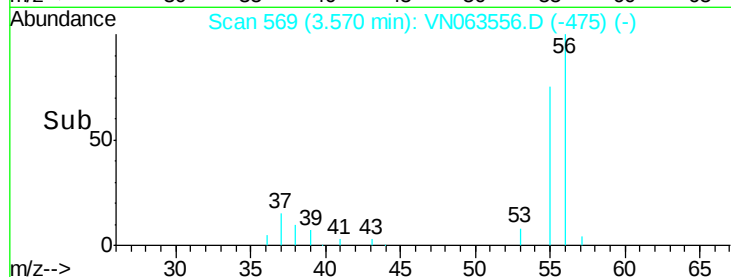
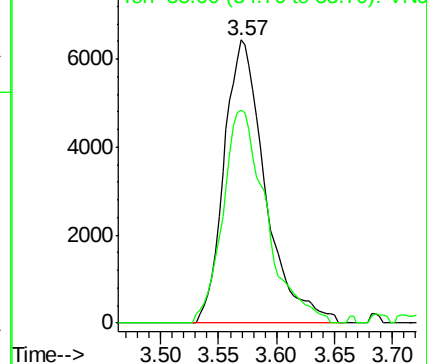
MMDadoda

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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: 18.397 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

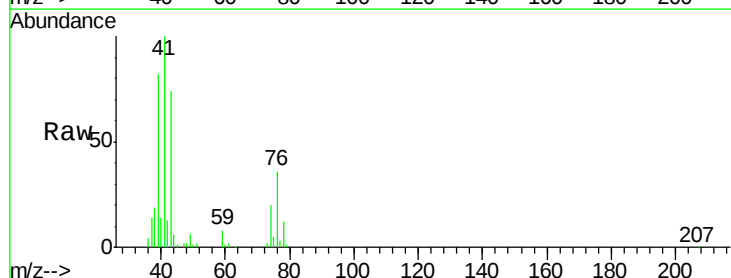
Tgt Ion: 41 Resp: 99144

Ion Ratio Lower Upper

41 100

39 76.4 59.3 88.9

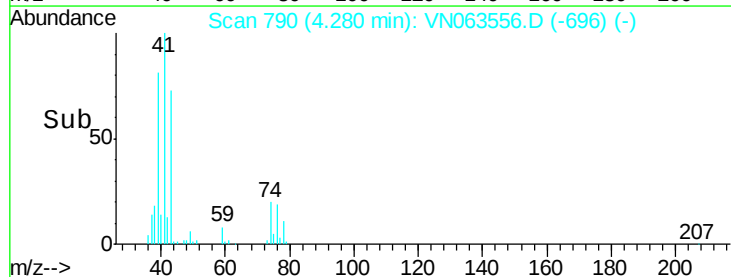
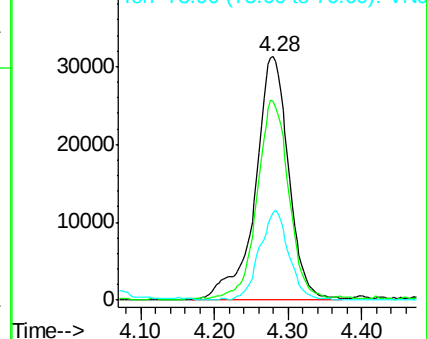
76 32.0 25.3 37.9

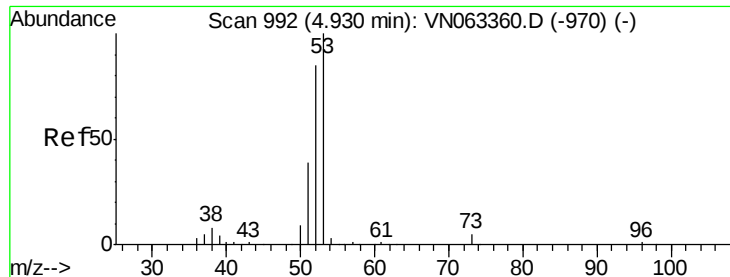


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.557 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

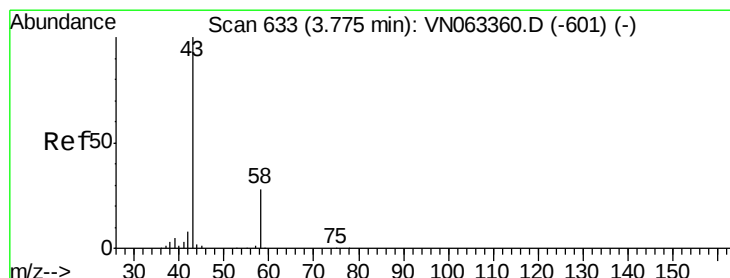
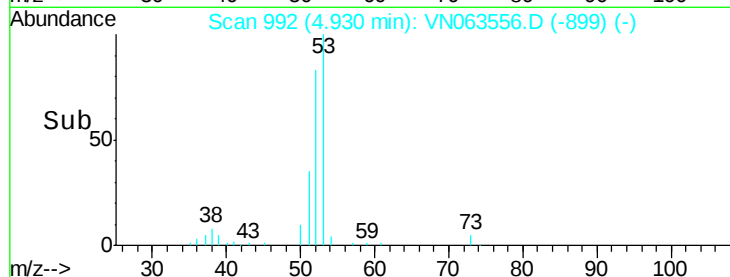
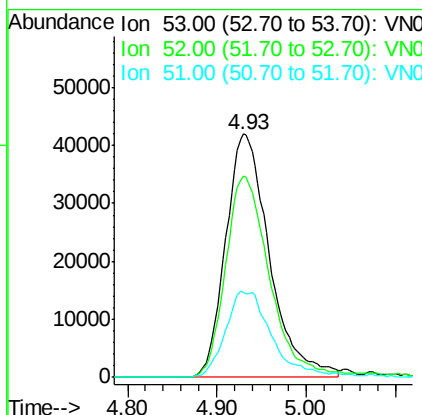
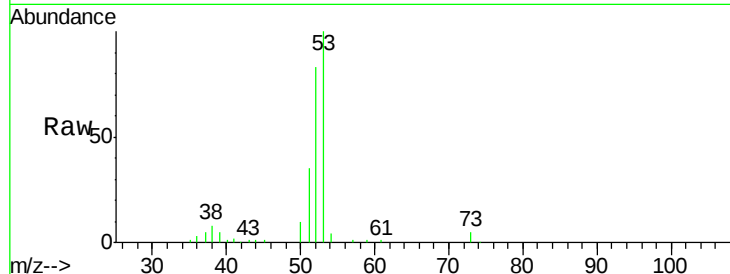
ClientSampleId :

VN0922WBSD02

Tot Ion:	53	Resp:	142732
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	36.8	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 97.843 ug/l

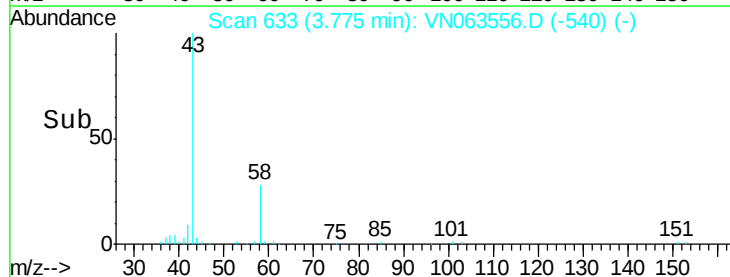
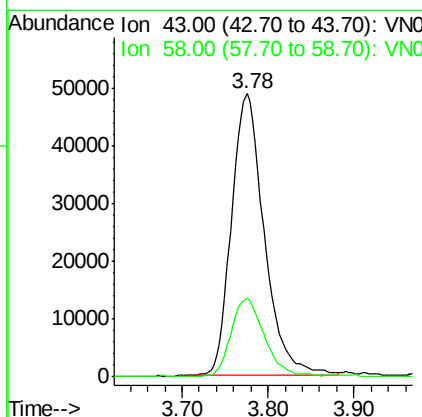
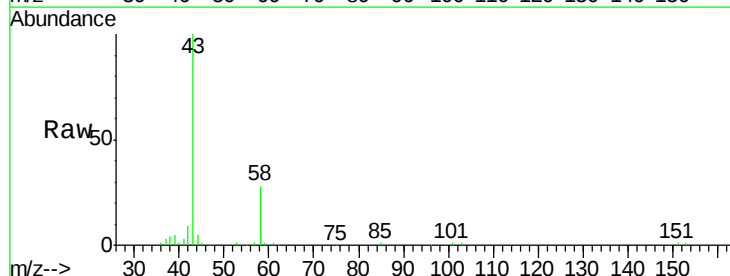
RT: 3.78 min Scan# 633

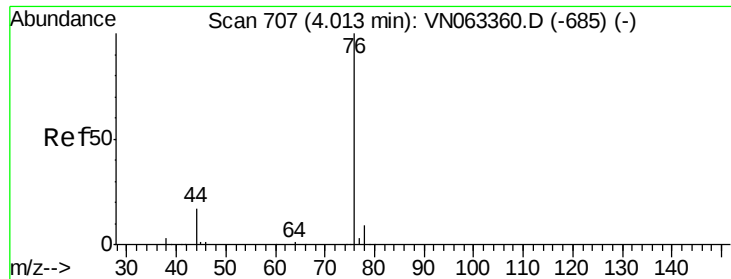
Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion:	43	Resp:	129231
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 17.635 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 76 Resp: 139755

Ion Ratio Lower Upper

76 100

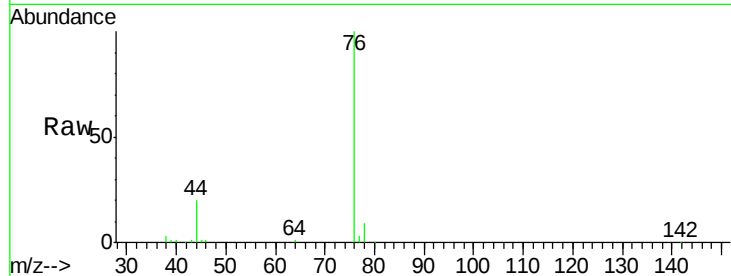
78 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

60000

50000

40000

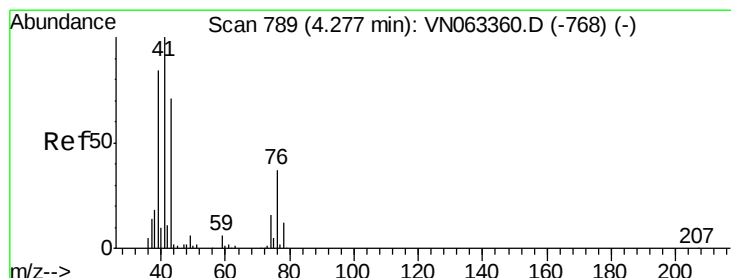
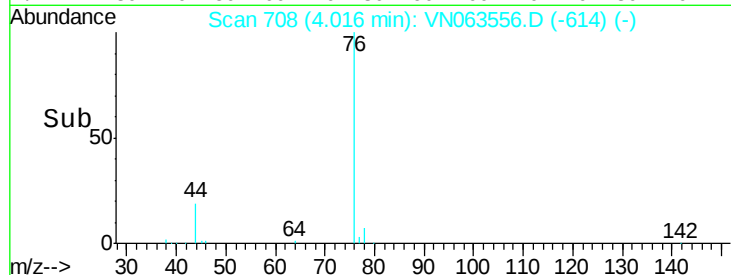
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 20.308 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063556.D

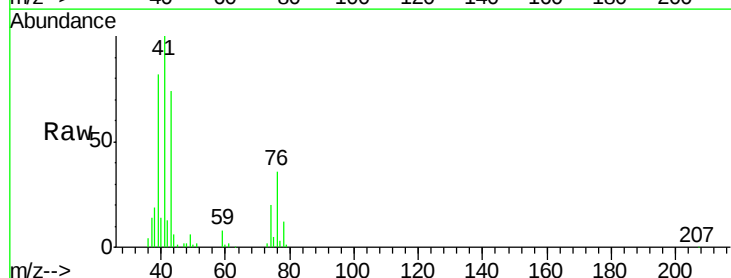
Acq: 23 Sep 2020 1:40

Tgt Ion: 43 Resp: 68095

Ion Ratio Lower Upper

43 100

74 22.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

25000

20000

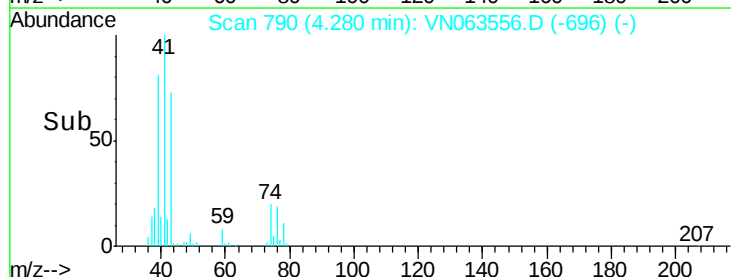
15000

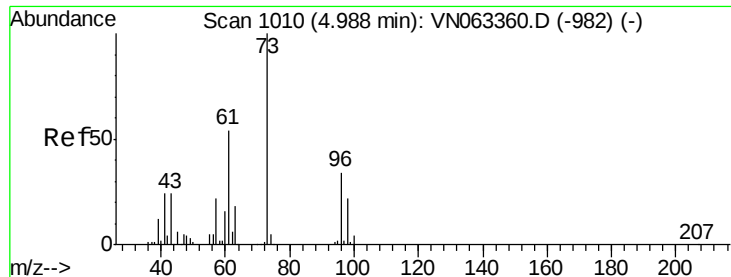
10000

5000

0

Time-->





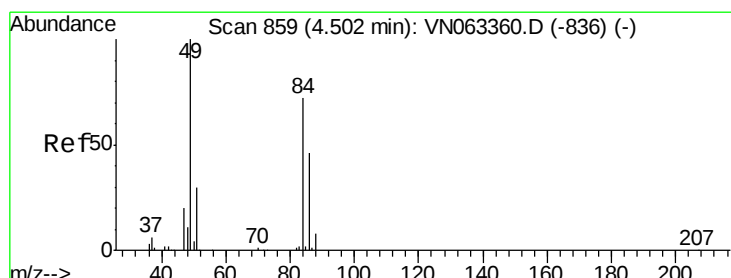
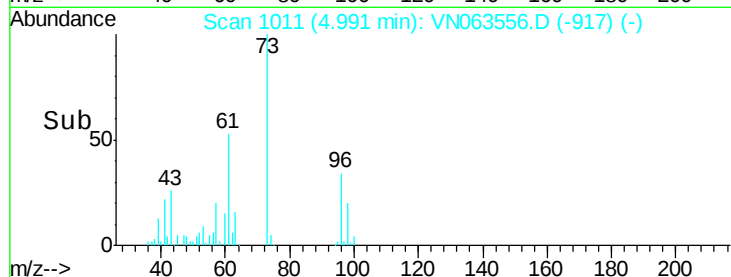
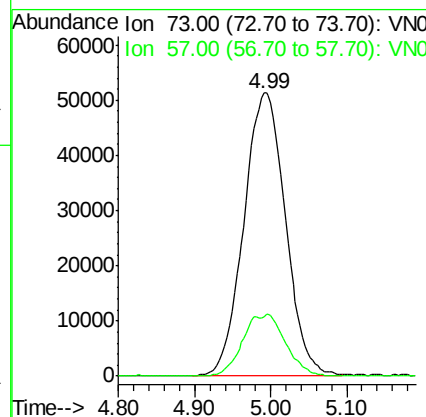
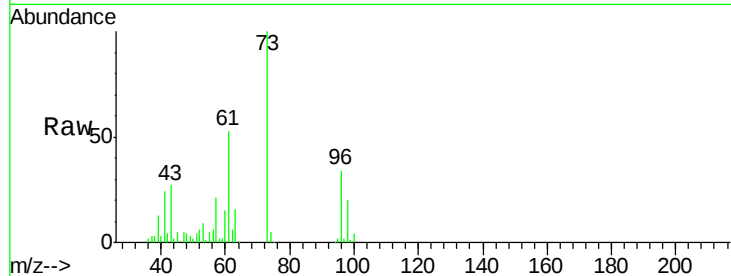
#19
Methyl tert-butyl Ether
Concen: 19.268 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.9	26.9

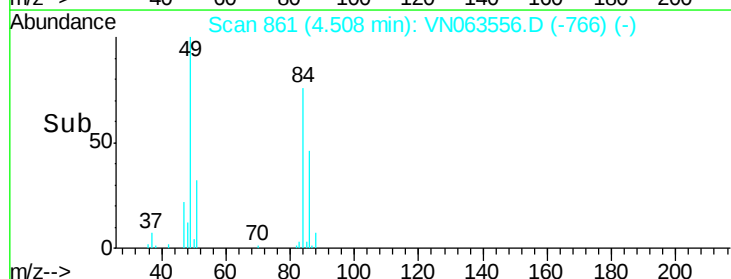
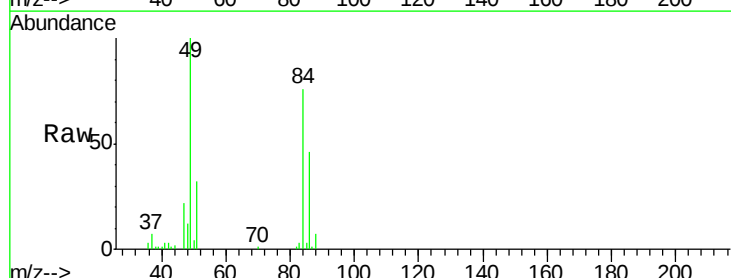
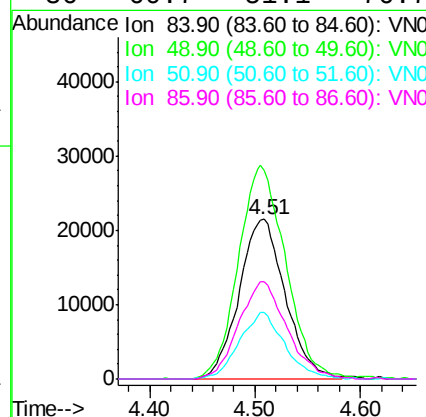
Manual Integrations
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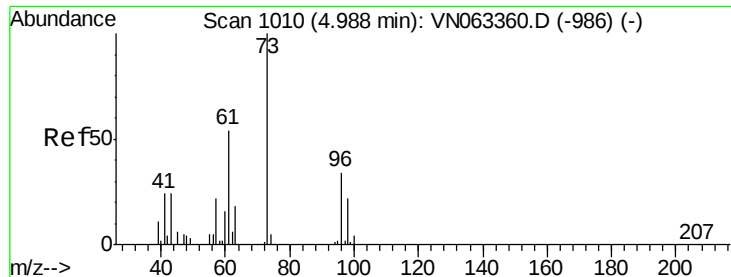
MMDadoda
9/23/2020 1:06:40 PM



#20
Methylene Chloride
Concen: 19.552 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	110.7	166.1
51	42.0	32.9	49.3
86	60.7	51.1	76.7





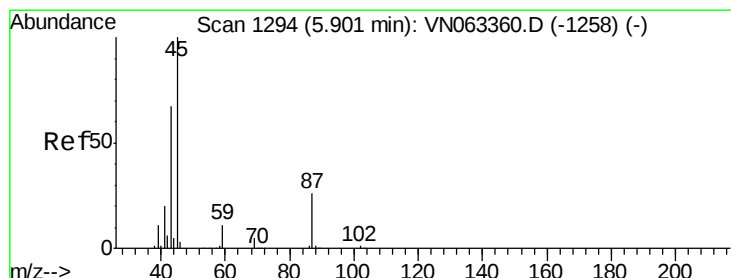
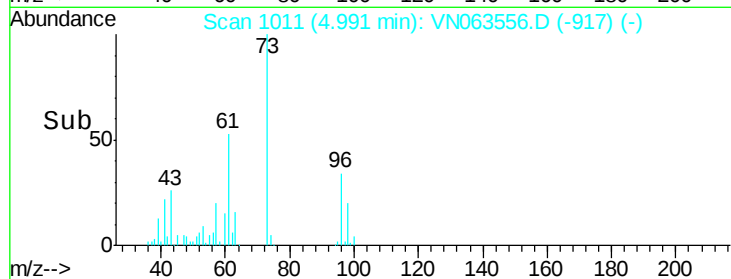
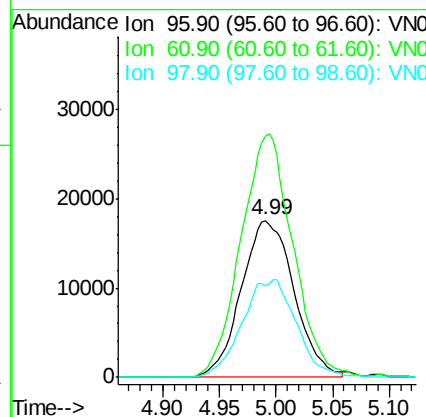
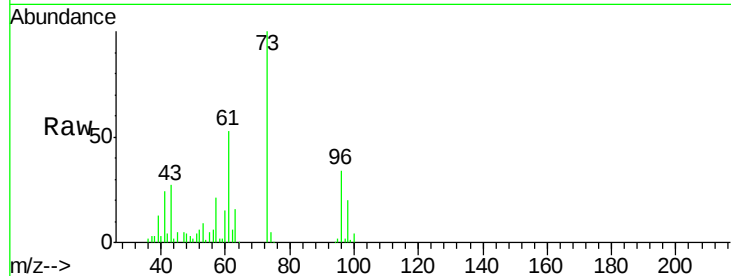
#21
trans-1,2-Dichloroethene
Concen: 18.870 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	126.2	189.4
98	58.1	51.0	76.4

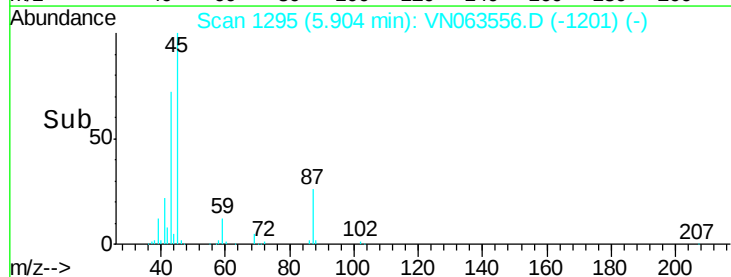
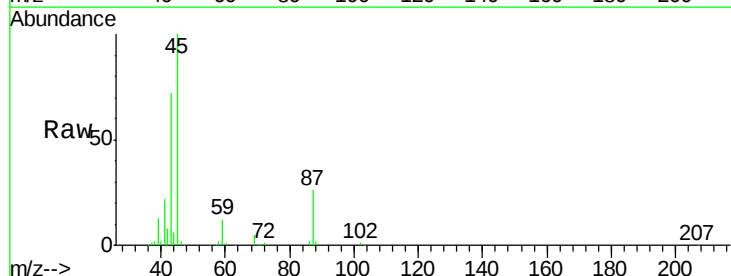
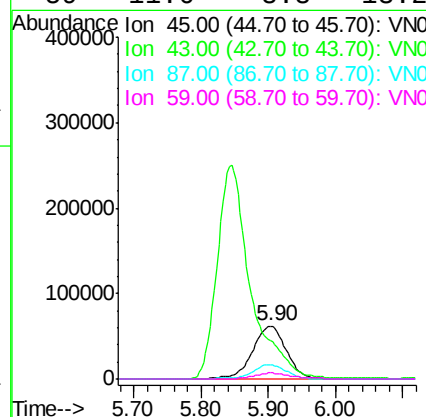
Manual Integrations
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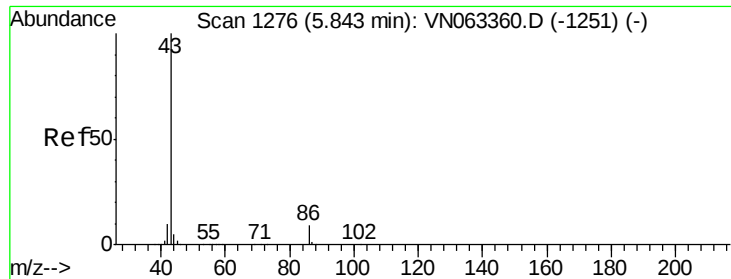
MMDadoda
9/23/2020 1:06:40 PM



#22
Diisopropyl ether
Concen: 19.696 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	53.5	80.3
87	26.3	21.2	31.8
59	11.6	8.8	13.2





#23

Vinyl Acetate

Concen: 95.996 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 43 Resp: 866514

Ion Ratio Lower Upper

43 100

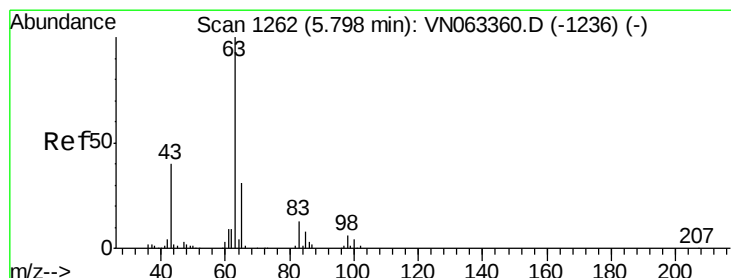
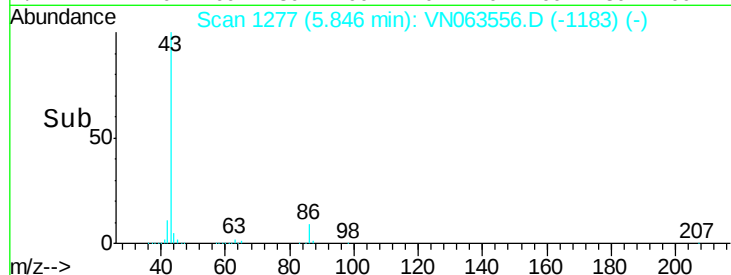
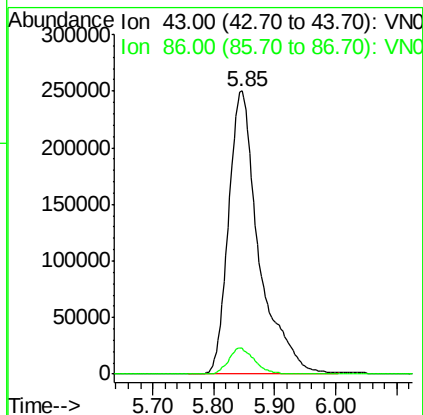
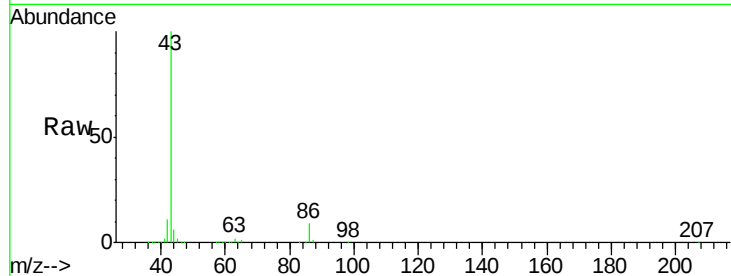
86 9.0 7.1 10.7

Manual Integrations

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MMDadoda

9/23/2020 1:06:40 PM



#24

1,1-Dichloroethane

Concen: 19.690 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

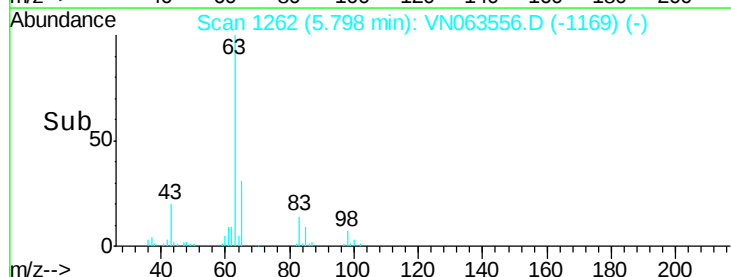
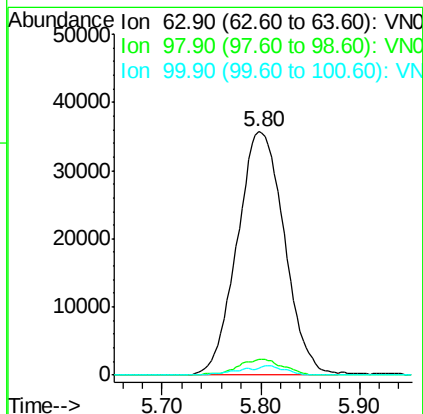
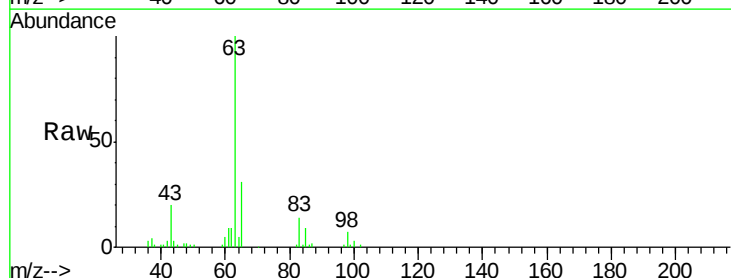
Tgt Ion: 63 Resp: 118151

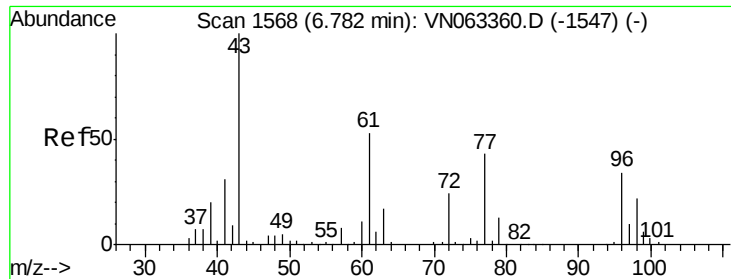
Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 2.9 2.1 6.3





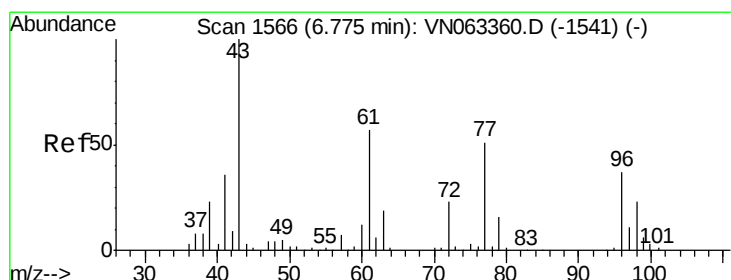
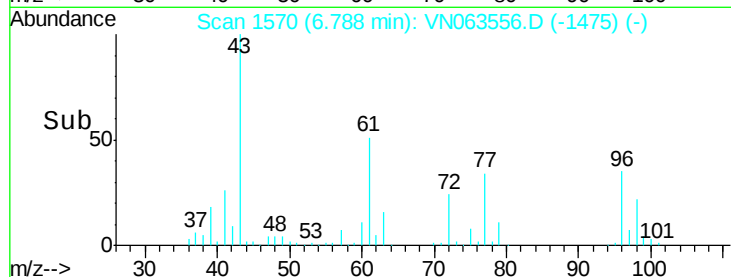
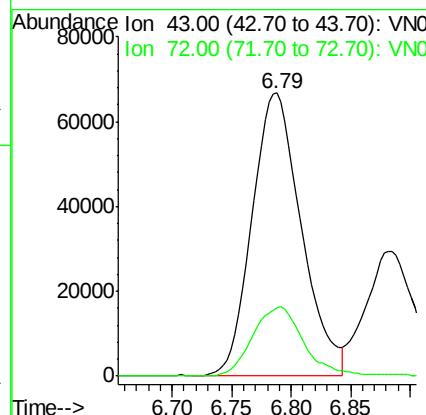
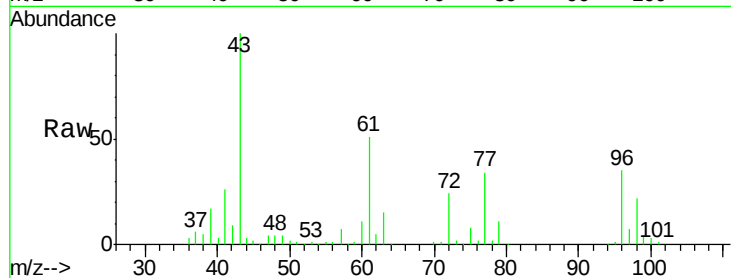
#25
2-Butanone
Concen: 94.688 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion: 43 Resp: 192345
Ion Ratio Lower Upper
43 100
72 24.1 19.2 28.8

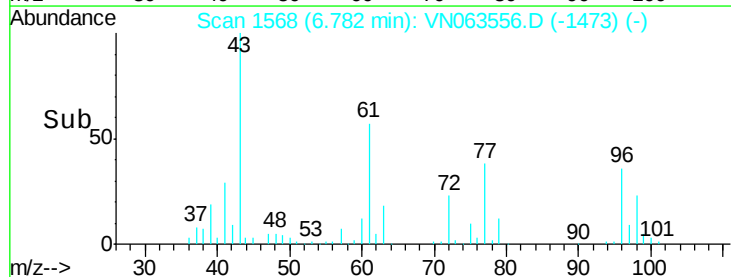
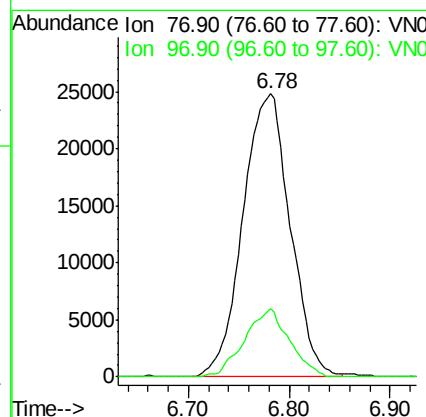
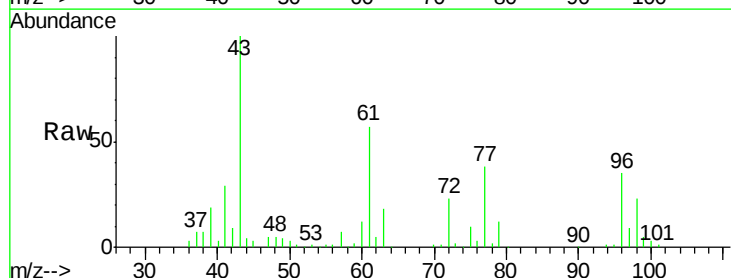
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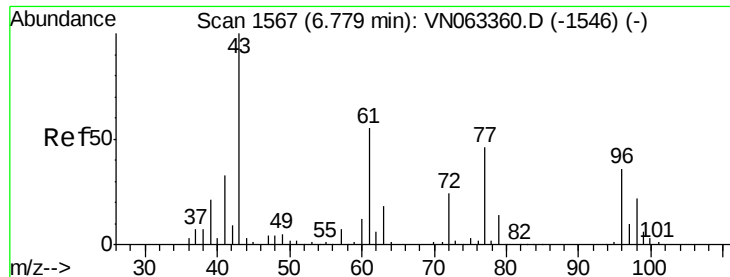
MMDadoda
9/23/2020 1:06:40 PM



#26
2,2-Dichloropropane
Concen: 15.271 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion: 77 Resp: 80677
Ion Ratio Lower Upper
77 100
97 22.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.876 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

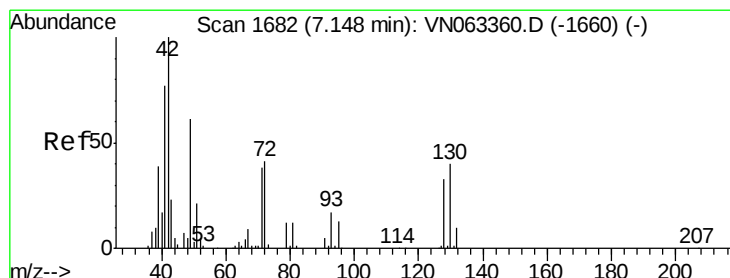
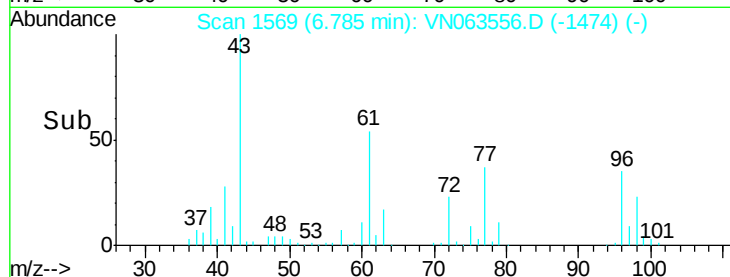
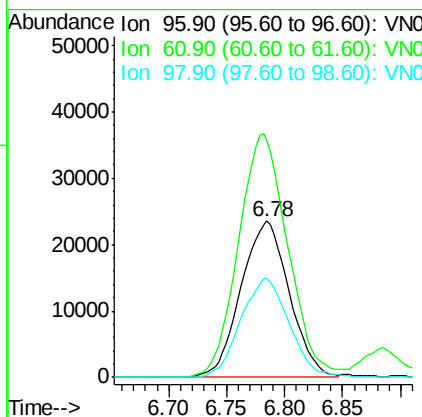
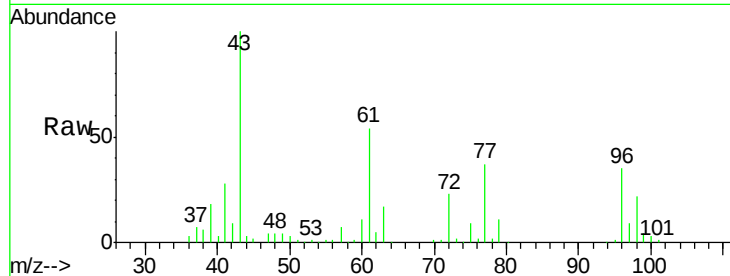
ClientSampleId :

VN0922WBSD02

Tot Ion:	96	Resp:	67909
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	319.6
98	63.7	0.0	127.8

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#28

Bromochloromethane

Concen: 20.759 ug/l

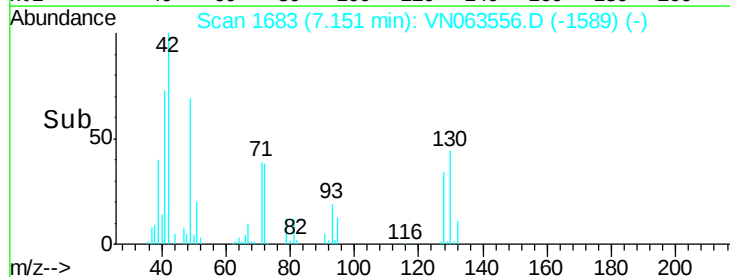
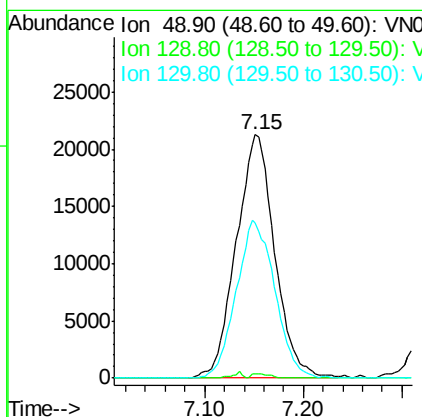
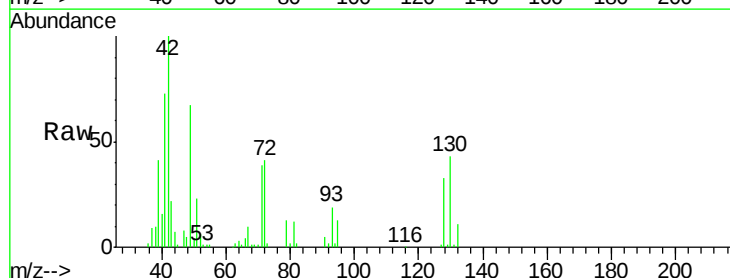
RT: 7.15 min Scan# 1683

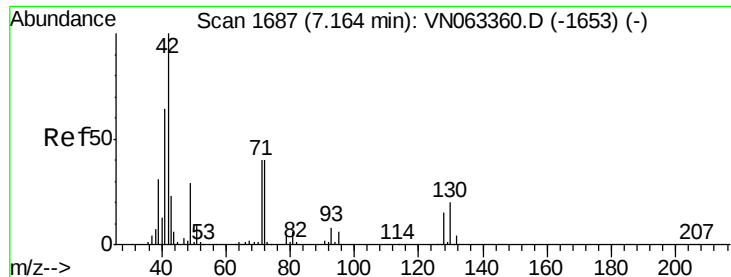
Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion:	49	Resp:	57515
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	64.8	52.2	78.2





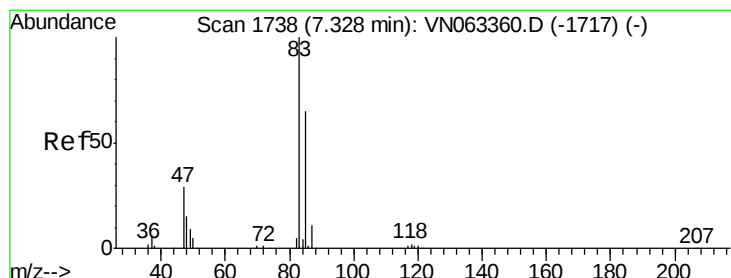
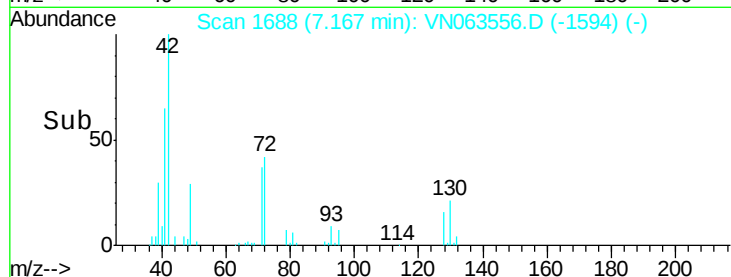
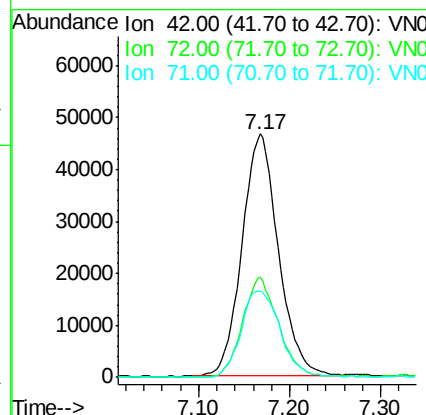
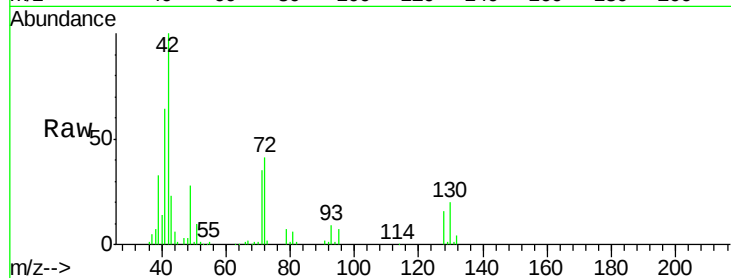
#29
Tetrahydrofuran
Concen: 93.652 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.1	48.1
71	38.3	31.2	46.8

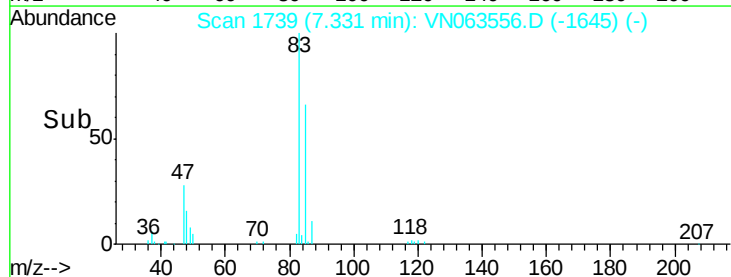
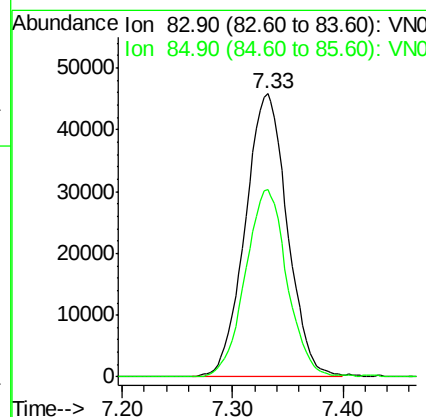
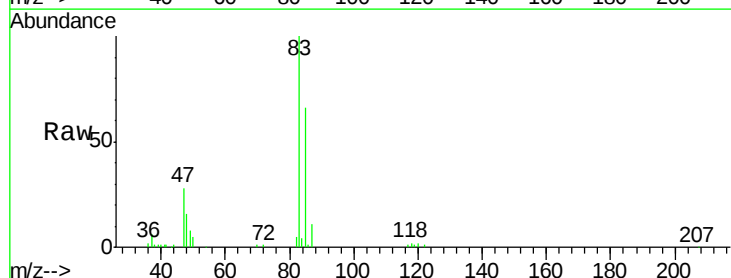
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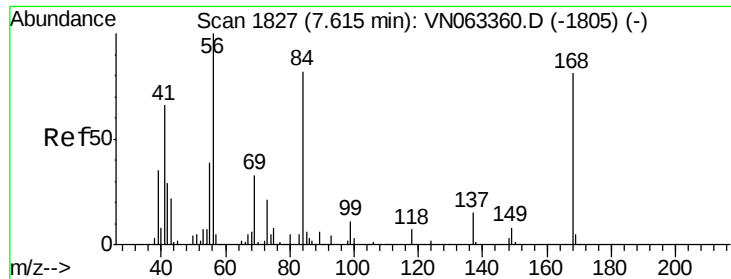
MMDadoda
9/23/2020 1:06:40 PM



#30
Chloroform
Concen: 20.147 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1





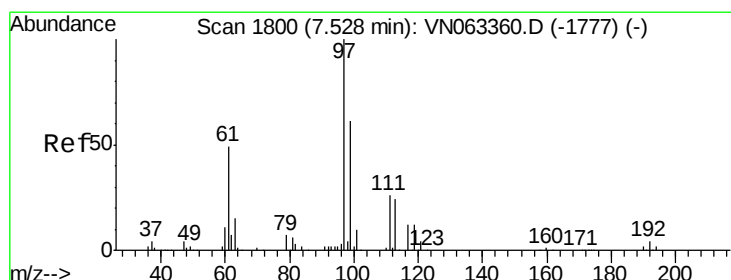
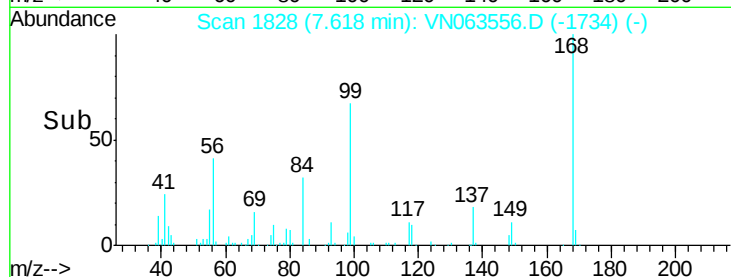
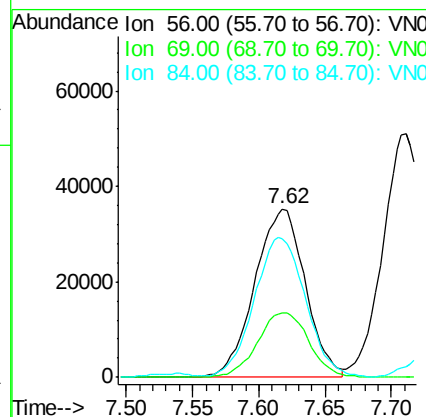
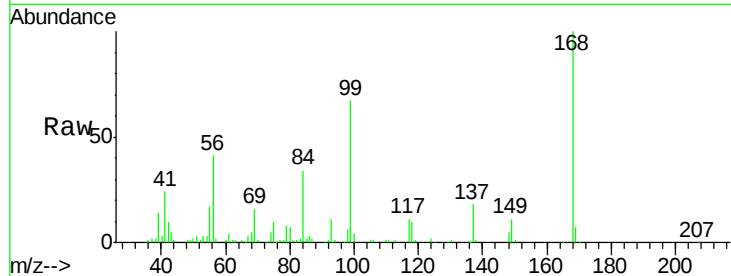
#31
Cvclohexane
Concen: 16.462 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.1	39.1
84	80.8	65.4	98.2

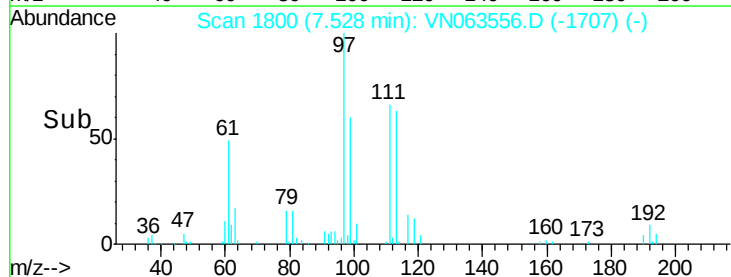
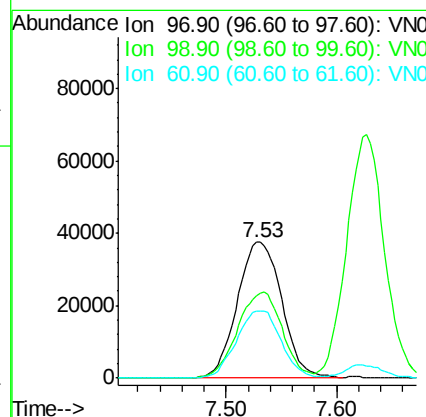
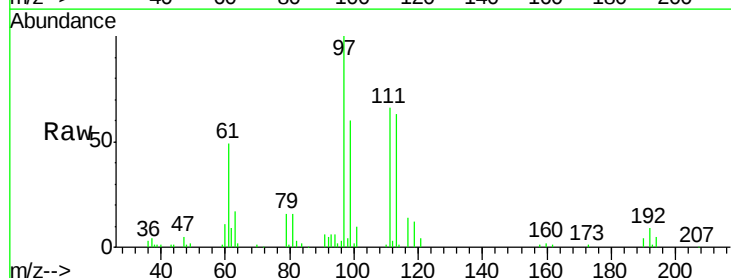
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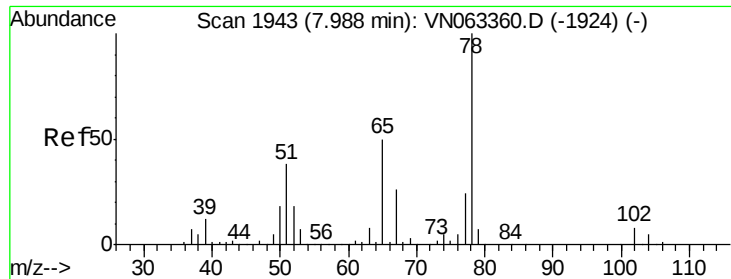
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.632 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	49.6	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 51.903 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 65 Resp: 213307

Ion Ratio Lower Upper

65 100

67 49.7

0.0

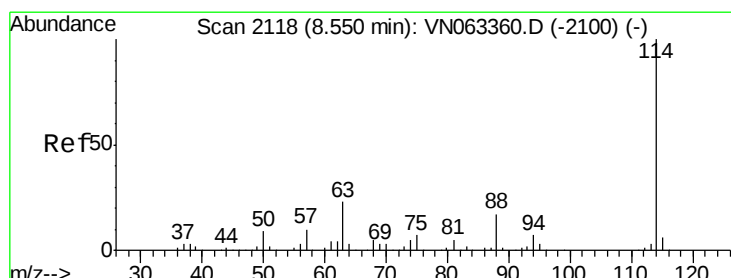
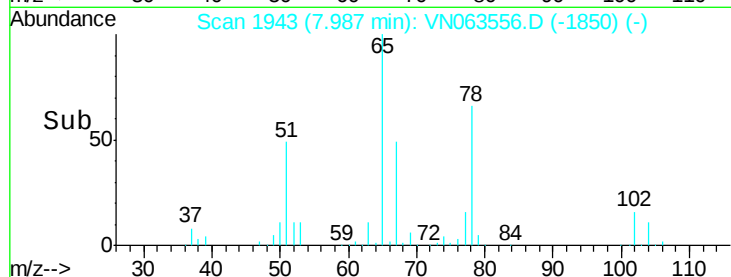
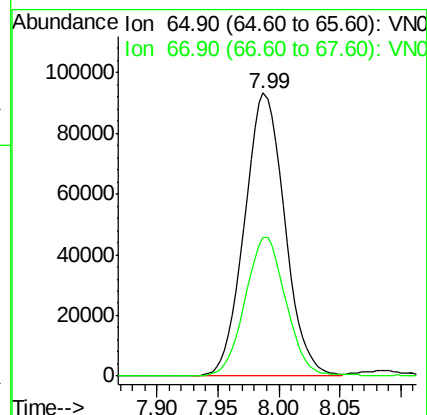
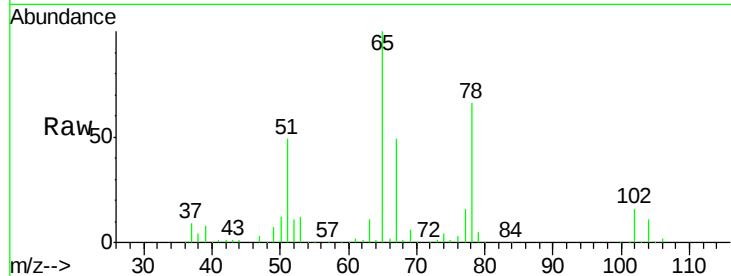
104.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion: 114 Resp: 428193

Ion Ratio Lower Upper

114 100

63 22.5

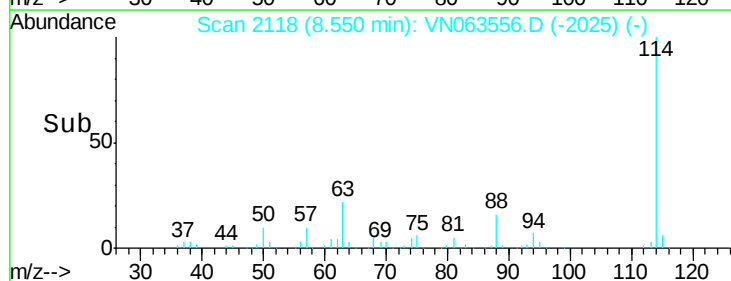
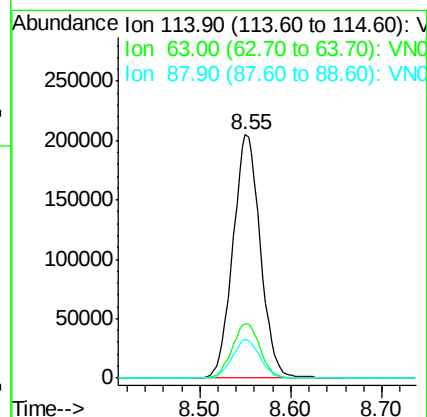
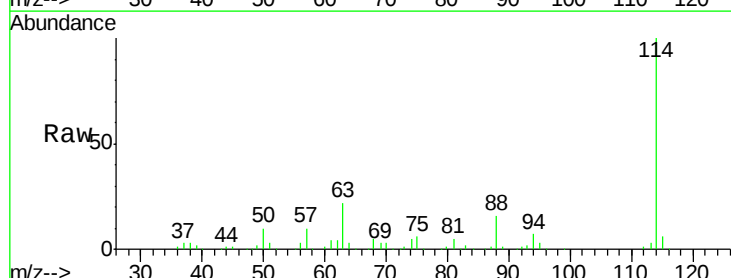
0.0

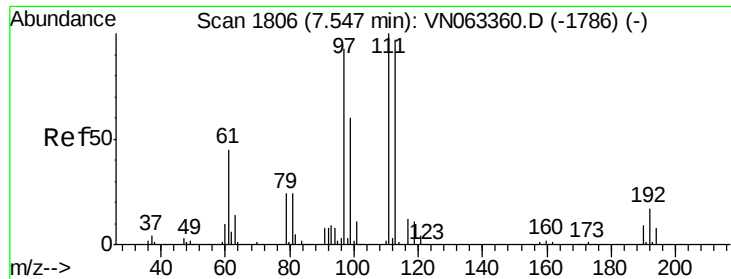
46.4

88 16.1

0.0

33.2





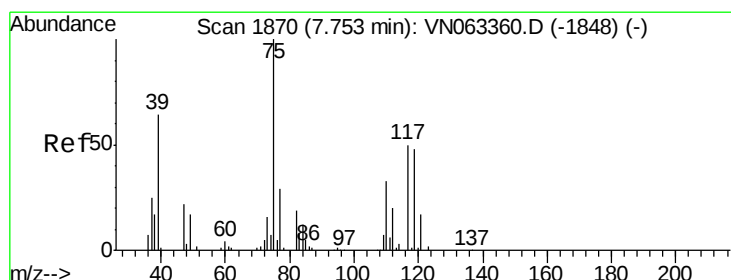
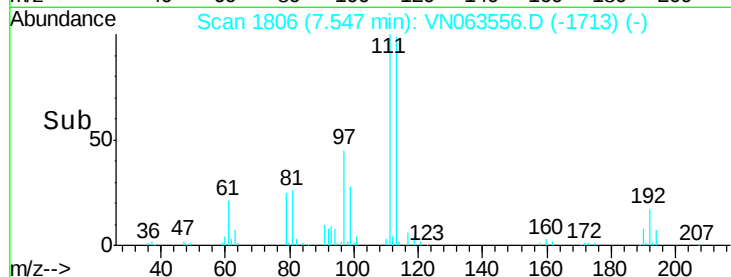
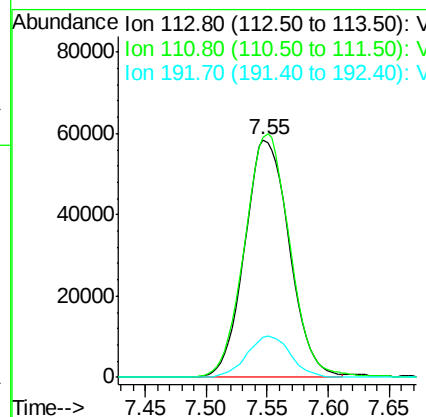
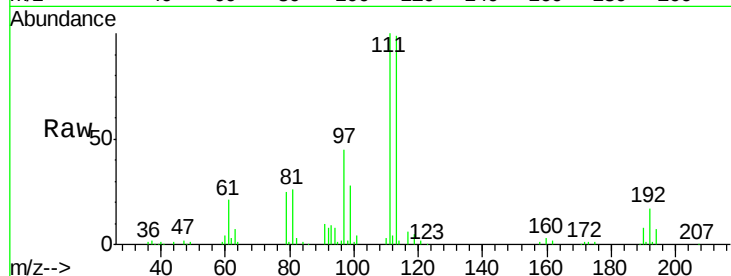
#35
 Dibromofluoromethane
 Concen: 50.023 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.9	124.3	
192	17.1	13.9	20.9	

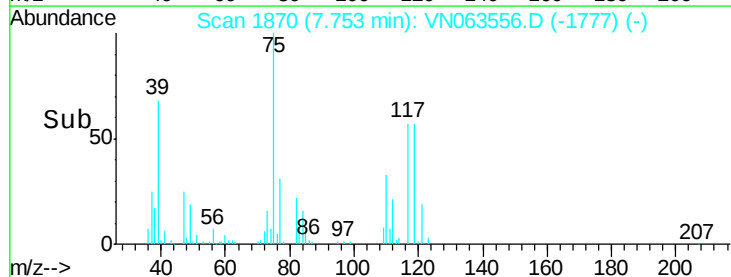
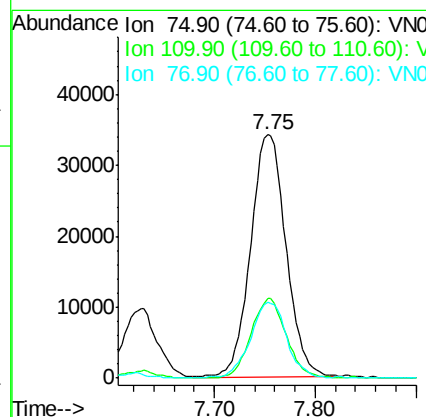
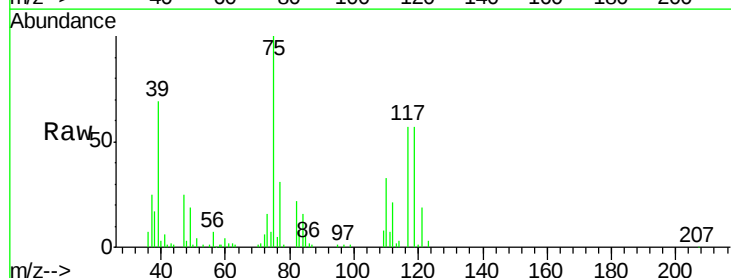
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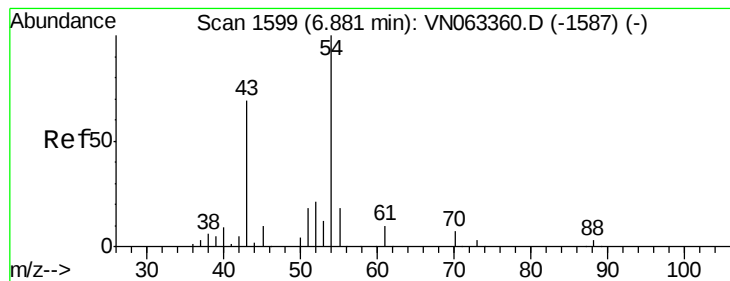
MMDadoda
 9/23/2020 1:06:40 PM



#36
 1,1-Dichloropropene
 Concen: 18.263 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.6	16.5	49.5	
77	32.0	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.563 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

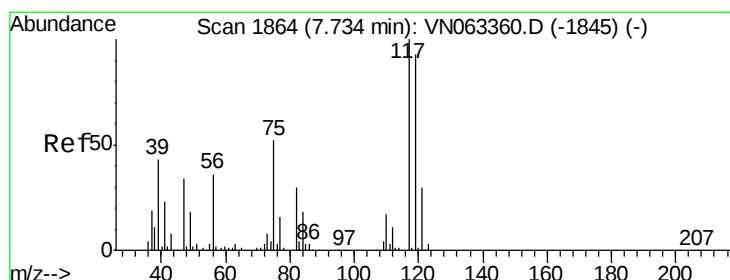
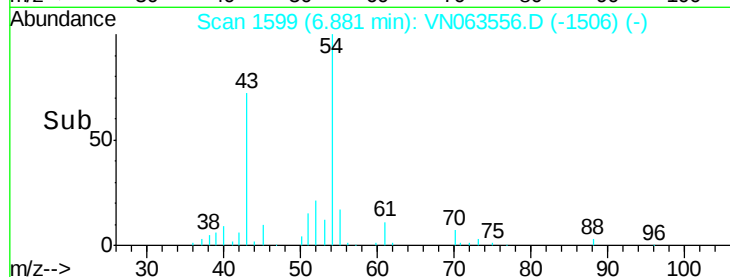
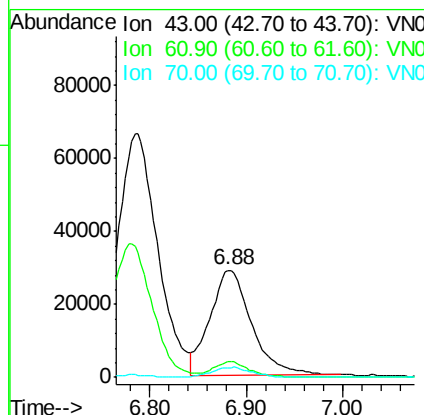
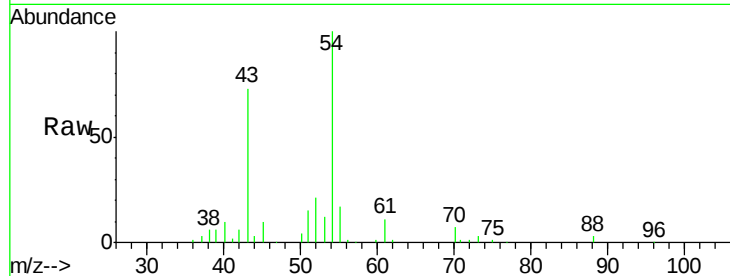
ClientSampleID :

VN0922WBSD02

Tot Ion:	43	Resp:	87587
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.0	7.2	10.8

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9/23/2020 1:06:40 PM



#38

Carbon Tetrachloride

Concen: 18.694 ug/l

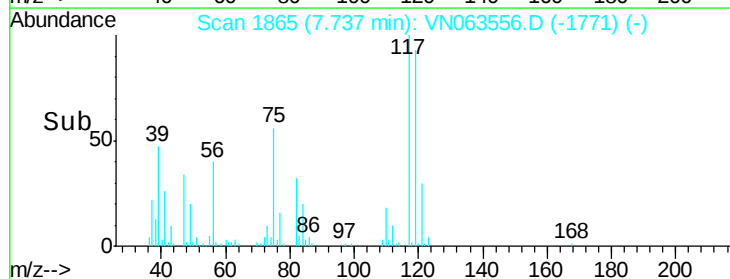
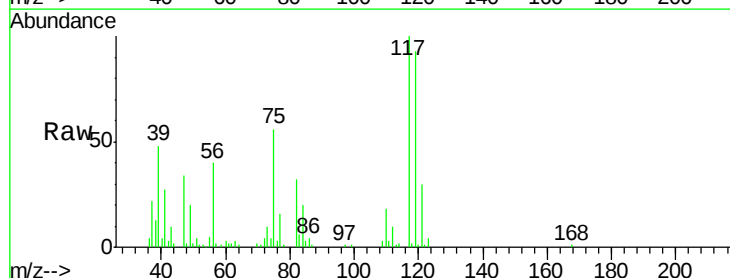
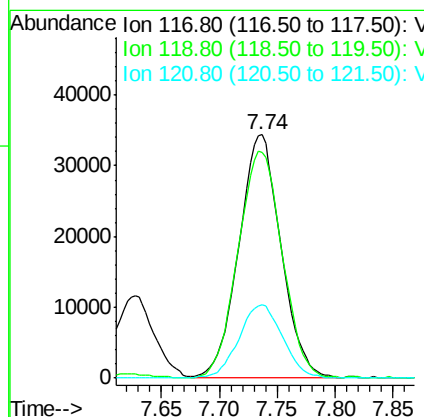
RT: 7.74 min Scan# 1865

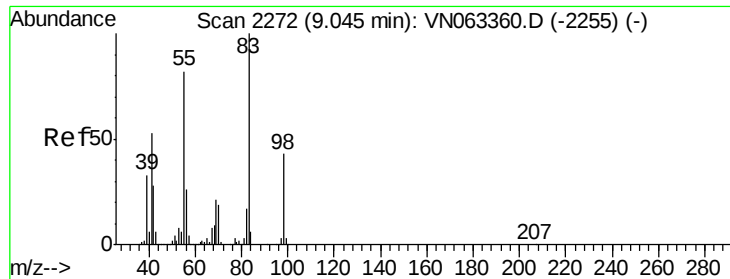
Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion:	117	Resp:	87054
Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.5	111.7
121	30.1	24.1	36.1





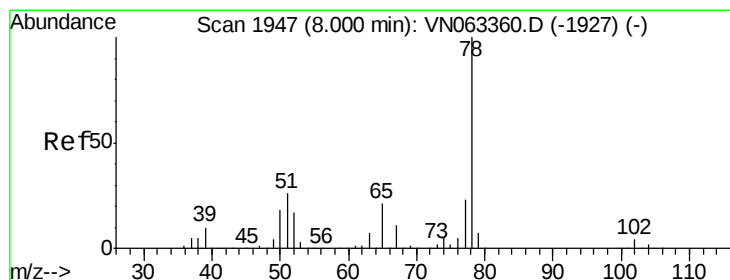
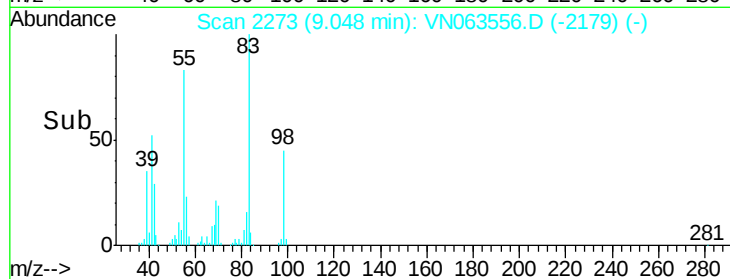
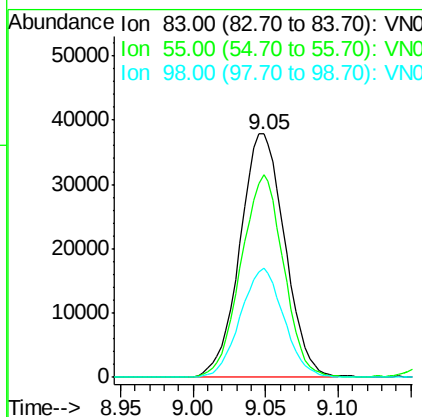
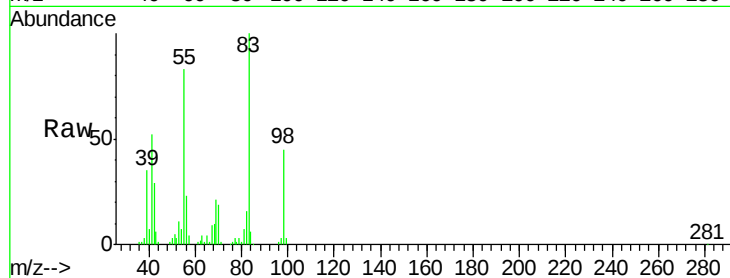
#39
Methvlcvclohexane
Concen: 16.468 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	83	Resp	81535
Ion Ratio	100	Lower	Upper
83	100		
55	83.3	65.5	98.3
98	44.8	34.2	51.4

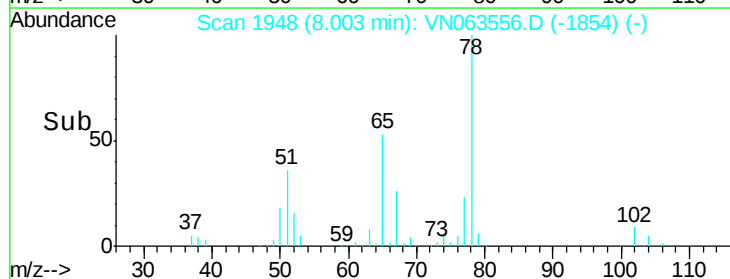
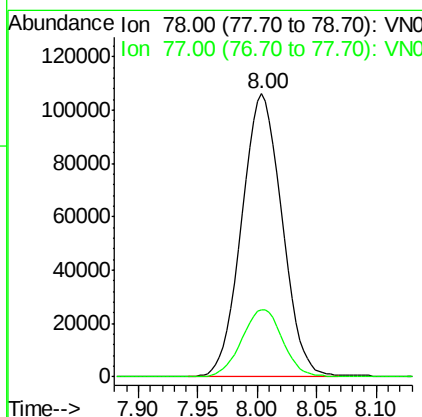
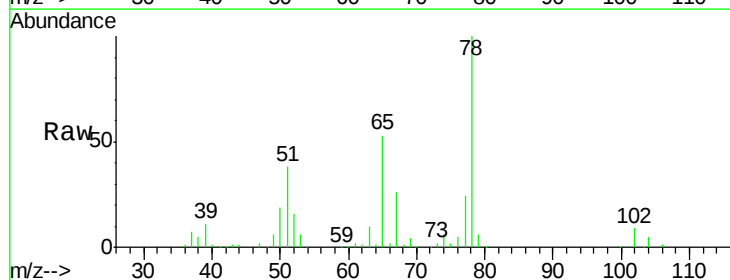
Manual Integrations
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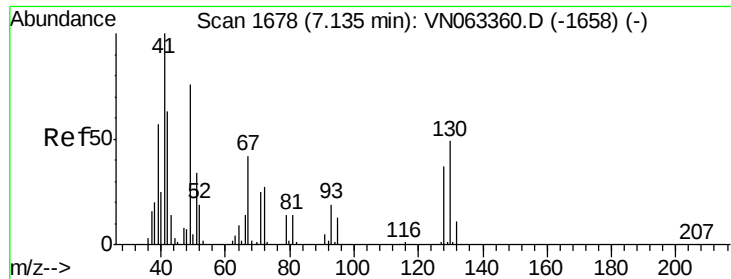
MMDadoda
9/23/2020 1:06:40 PM



#40
Benzene
Concen: 19.183 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	78	Resp	249798
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.3	27.5





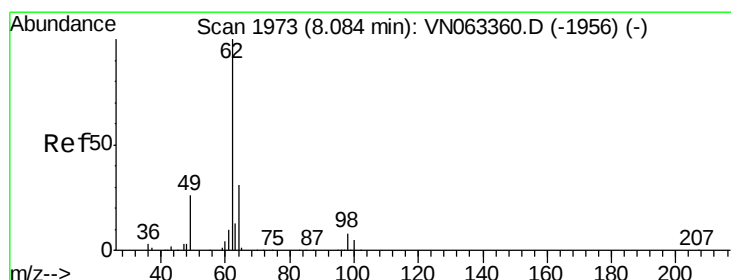
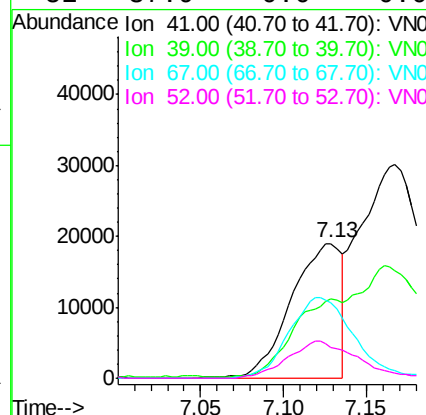
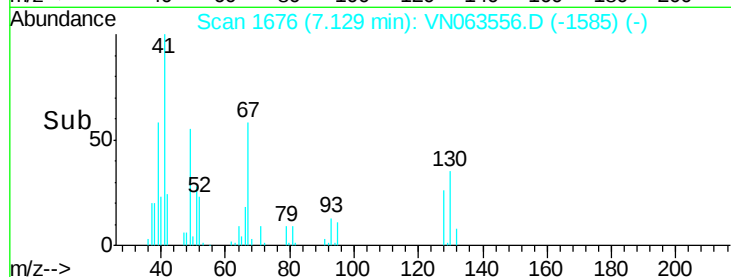
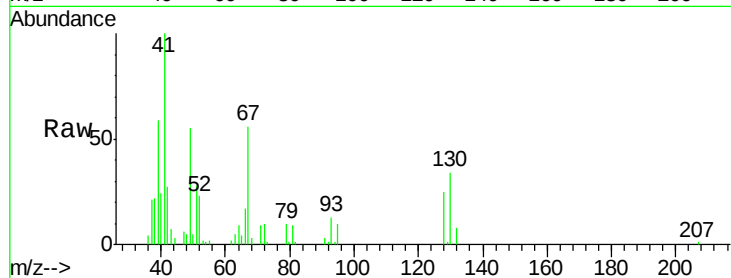
#41
Methacrylonitrile
Concen: 19.829 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	56.4	0.0	0.0	#
67	76.8	0.0	0.0	#
52	37.9	0.0	0.0	#

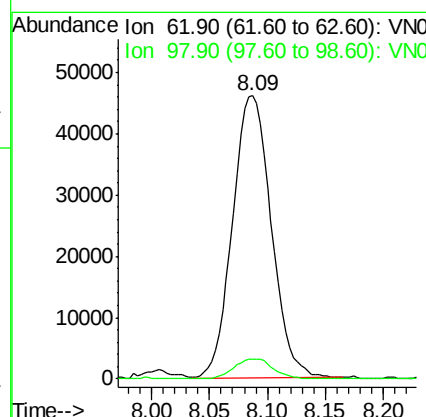
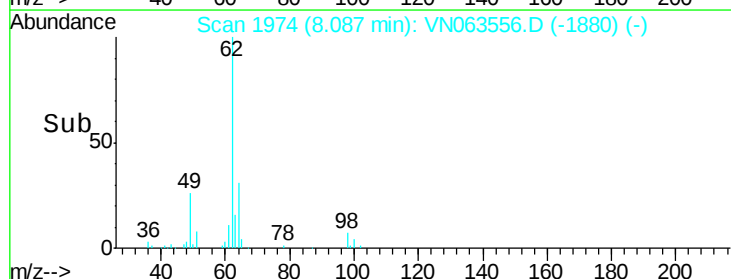
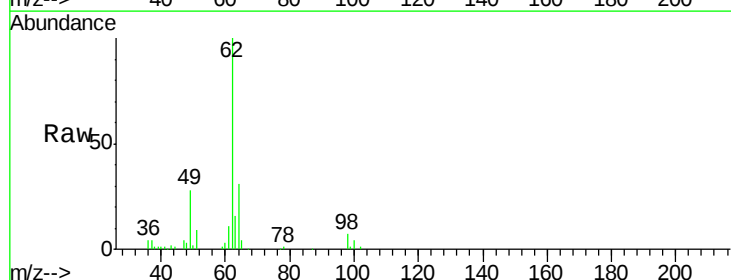
Manual Integrations
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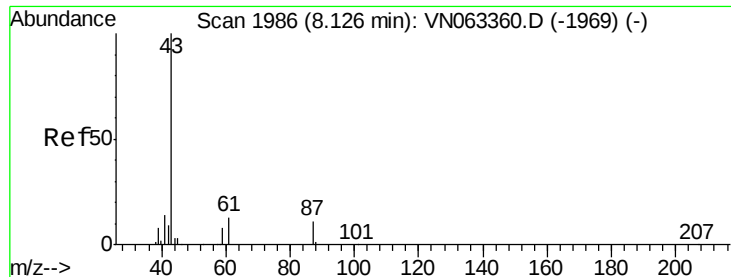
MMDadoda
9/23/2020 1:06:40 PM



#42
1,2-Dichloroethane
Concen: 20.365 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.1	0.0	15.6	





#43

Isopropyl Acetate

Concen: 17.952 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

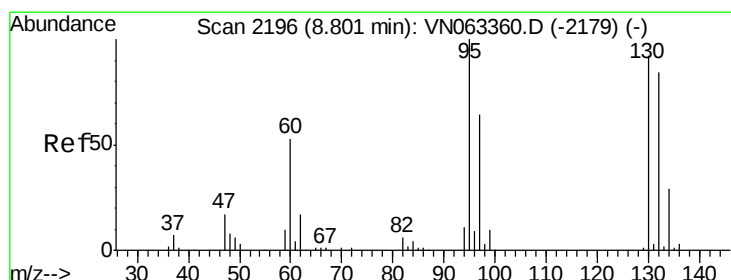
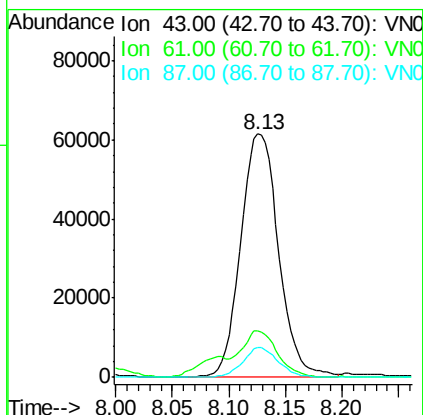
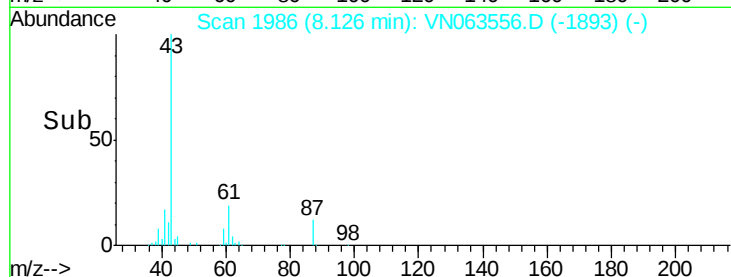
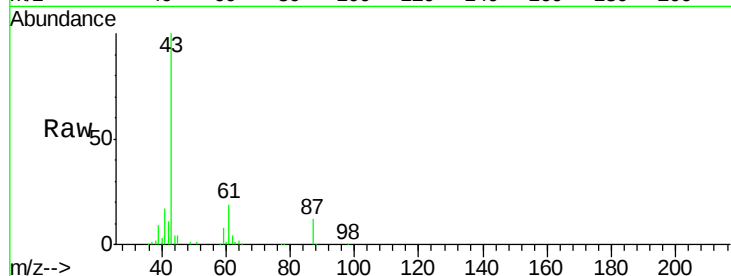
ClientSampleId :

VN0922WBSD02

Tot Ion:	43	Resp:	143716
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.2	21.2
87	11.5	9.0	13.6

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9/23/2020 1:06:40 PM



#44

Trichloroethene

Concen: 19.715 ug/l

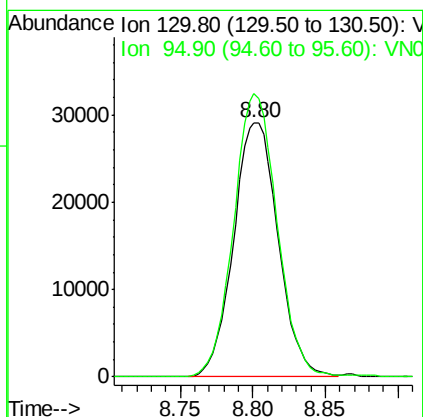
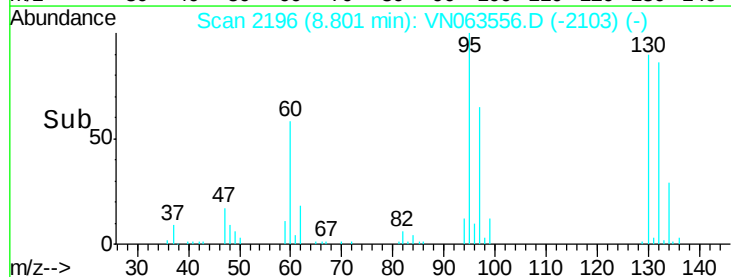
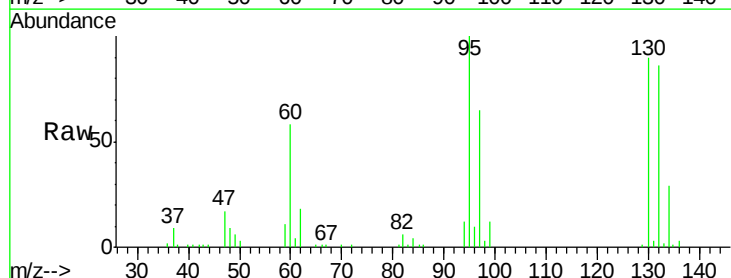
RT: 8.80 min Scan# 2196

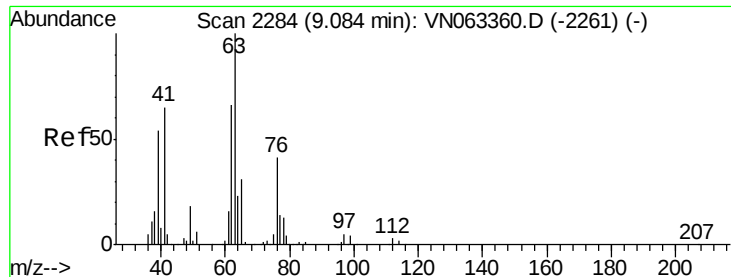
Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion:	130	Resp:	62268
Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	217.4





#45

1,2-Dichloropropane

Concen: 19.165 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 63 Resp: 67974

Ion Ratio Lower Upper

63 100

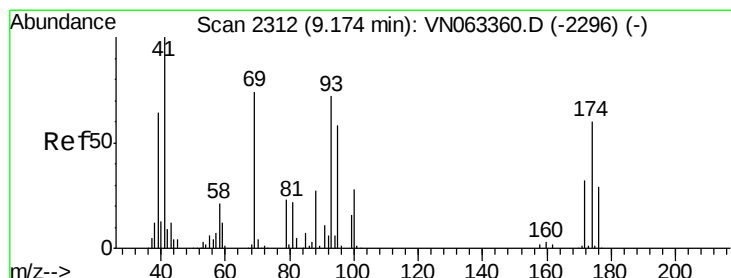
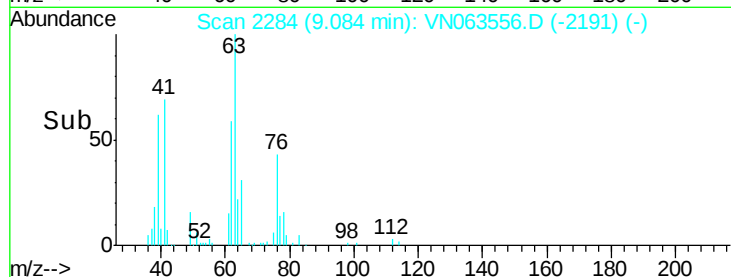
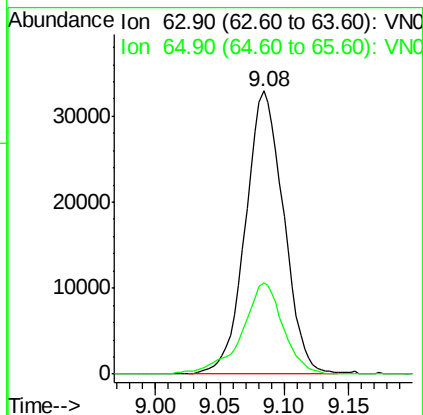
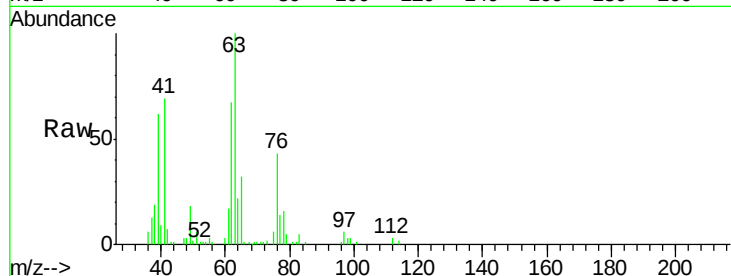
65 32.4 25.0 37.6

Manual Integrations

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9/23/2020 1:06:40 PM



#46

Dibromomethane

Concen: 20.131 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

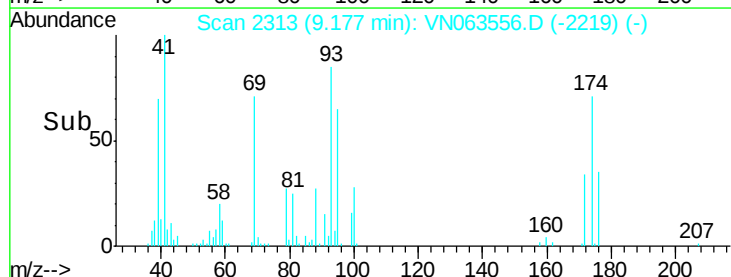
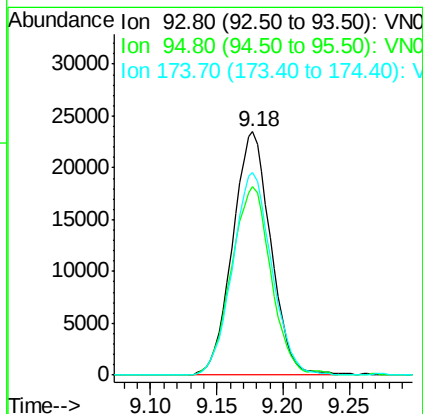
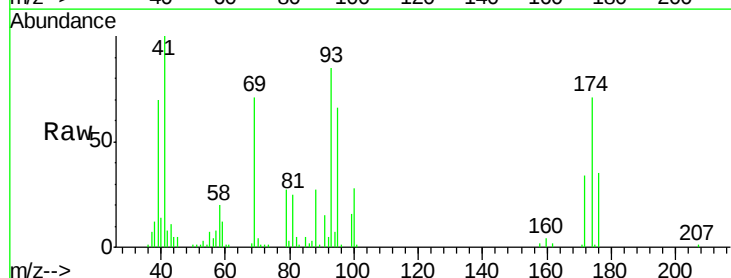
Tgt Ion: 93 Resp: 46927

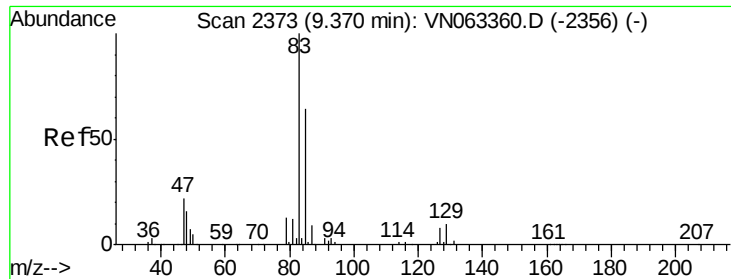
Ion Ratio Lower Upper

93 100

95 79.7 65.6 98.4

174 85.4 68.1 102.1





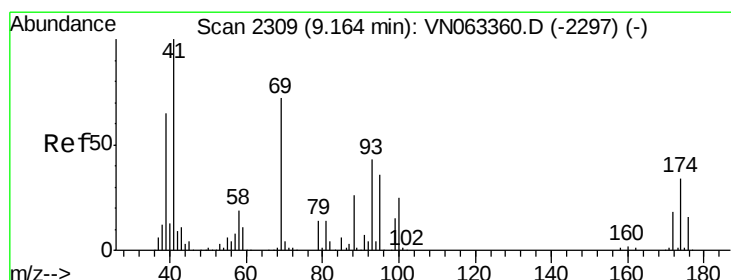
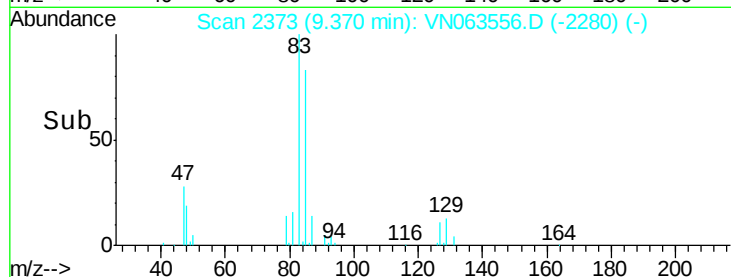
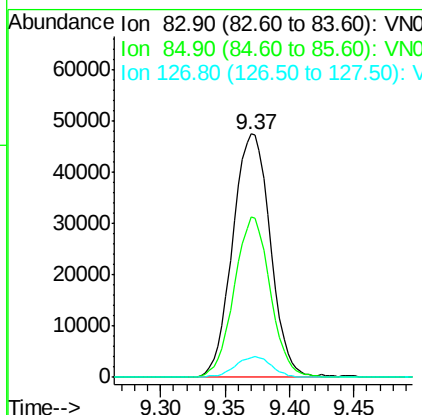
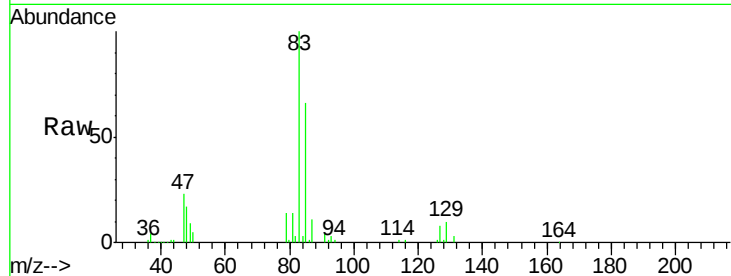
#47
Bromodichloromethane
Concen: 19.952 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	83	Resp	96623
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	51.0	76.6
127	8.3	6.3	9.5

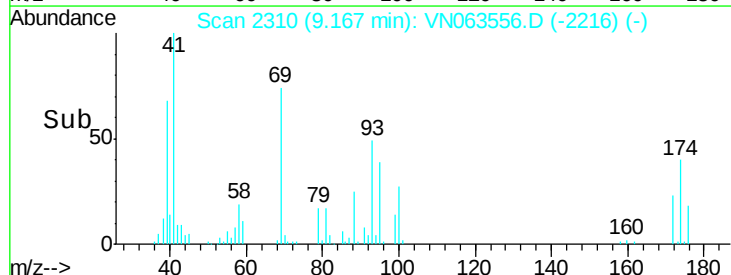
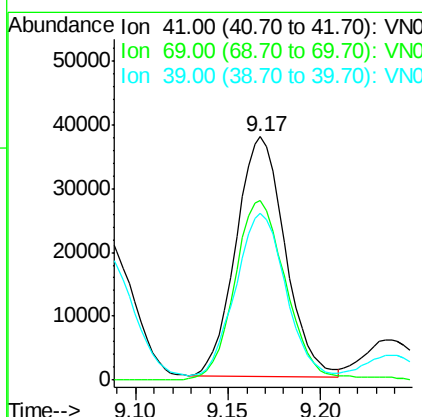
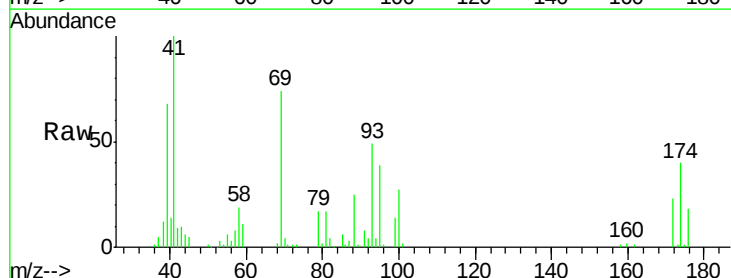
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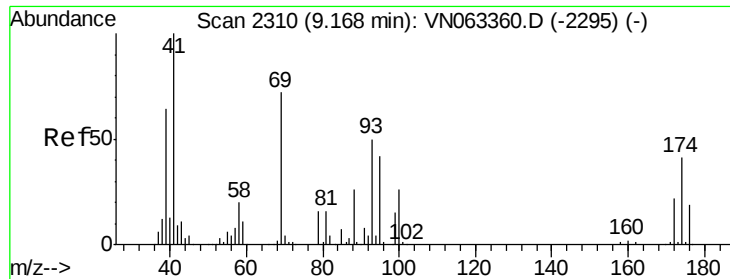
MMDadoda
9/23/2020 1:06:40 PM



#48
Methyl methacrylate
Concen: 17.546 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	41	Resp	69012
Ion Ratio	100	Lower	Upper
41	100		
69	78.2	59.3	88.9
39	71.3	52.9	79.3





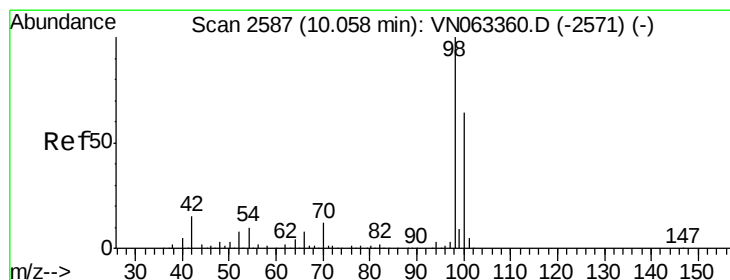
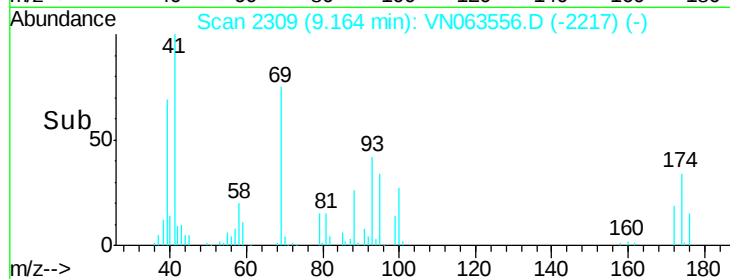
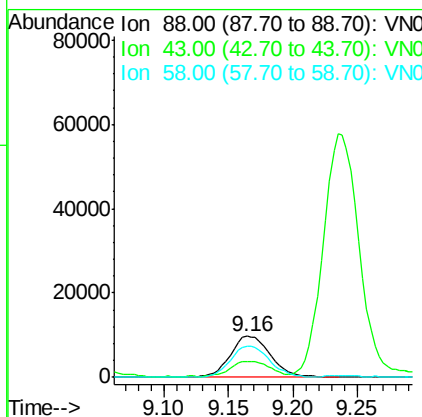
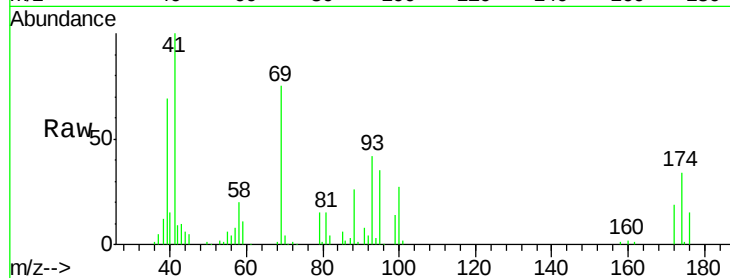
#49
1,4-Dioxane
Concen: 376.795 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	32.6	49.0
58	73.0	60.0	90.0

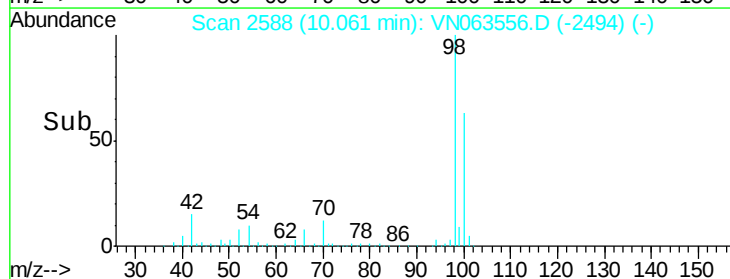
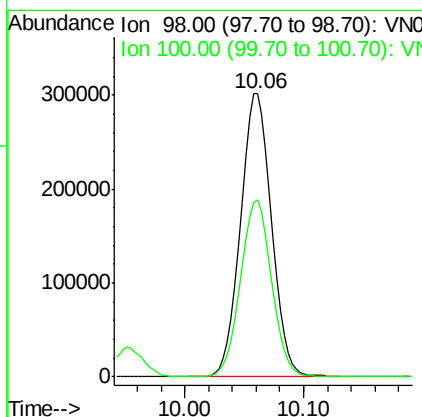
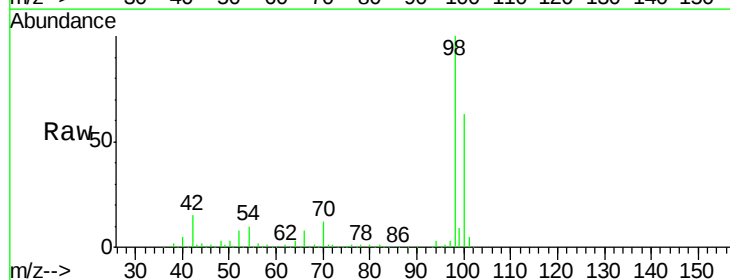
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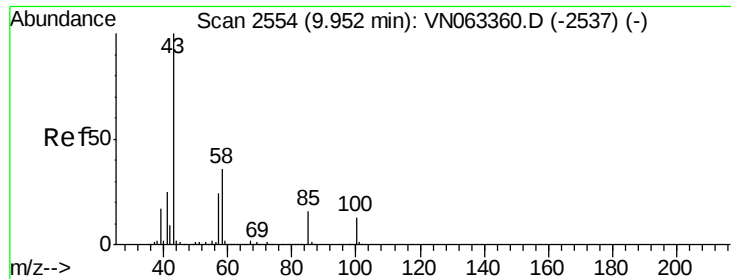
MMDadoda
9/23/2020 1:06:40 PM



#50
Toluene-d8
Concen: 48.922 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.7	76.1





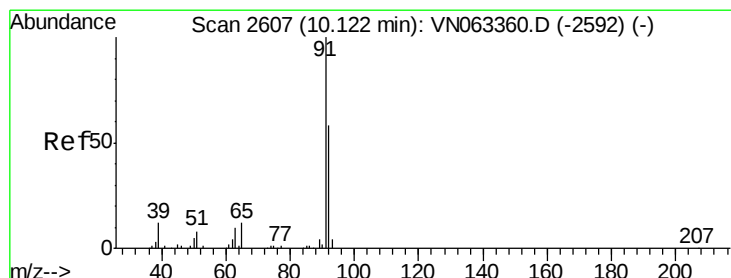
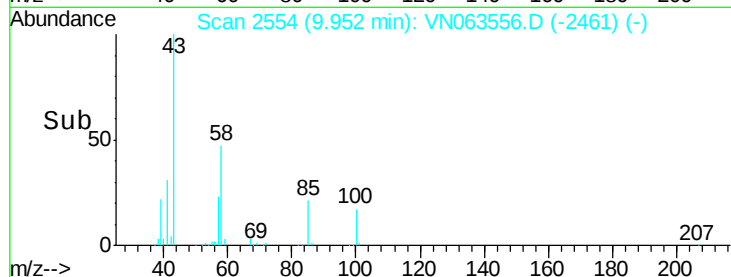
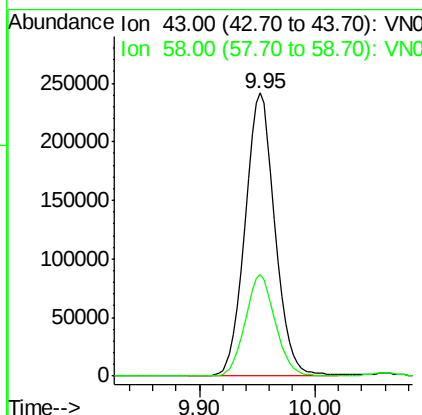
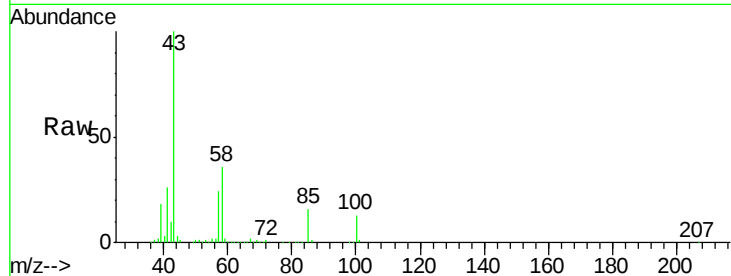
#51
 4-Methyl-2-Pentanone
 Concen: 96.886 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion: 43 Resp: 434229
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.6

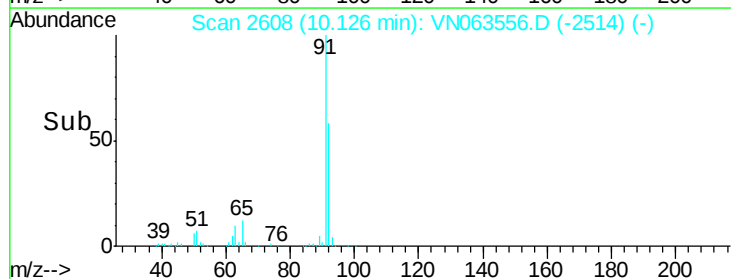
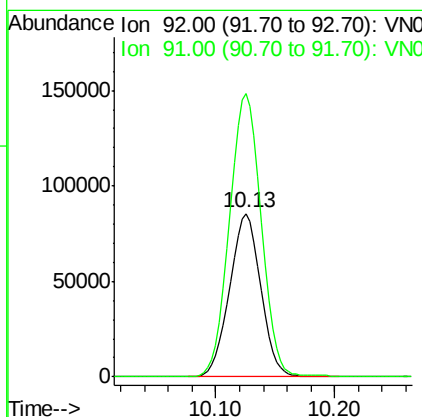
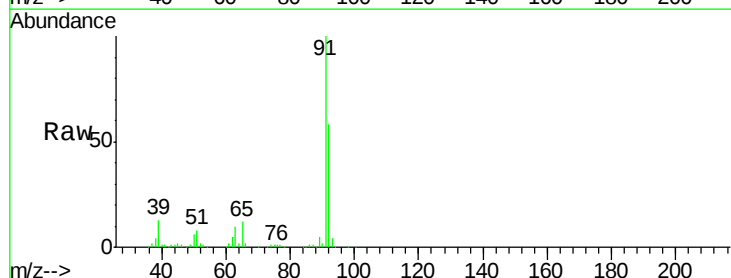
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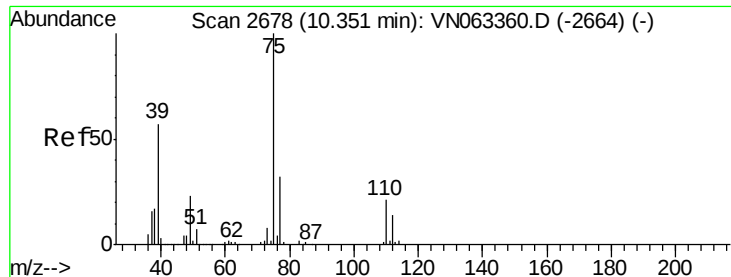
MMDadoda
 9/23/2020 1:06:40 PM



#52
 Toluene
 Concen: 19.846 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion: 92 Resp: 155384
 Ion Ratio Lower Upper
 92 100
 91 176.9 139.7 209.5





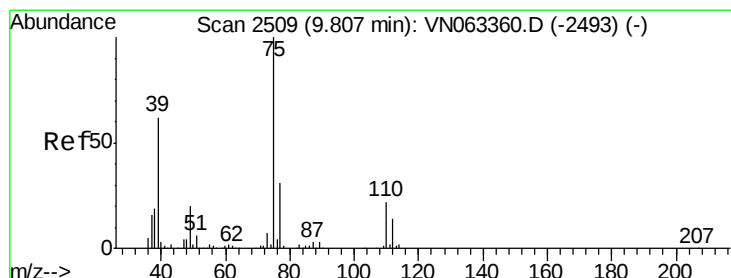
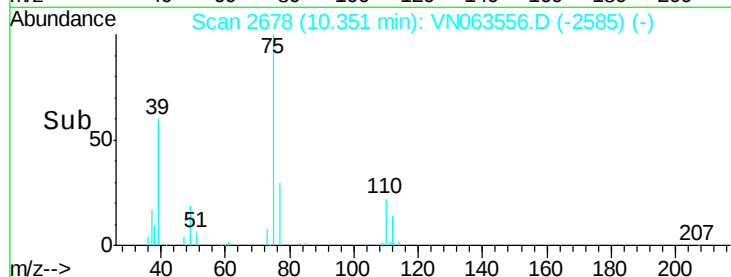
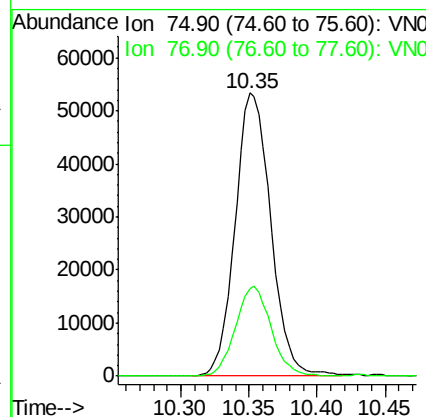
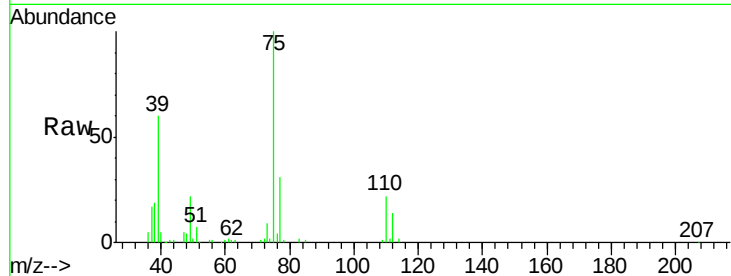
#53
t-1,3-Dichloropropene
Concen: 17.932 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion: 75 Resp: 96948
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

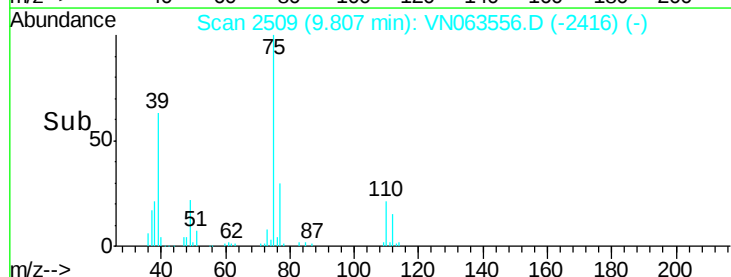
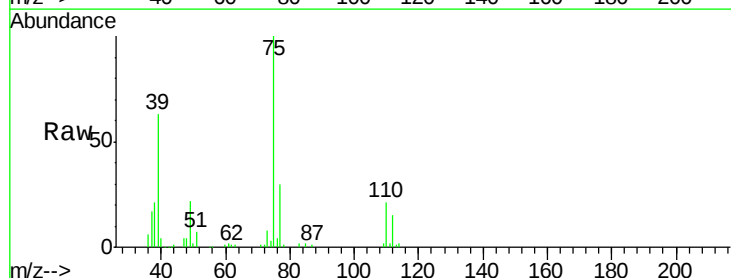
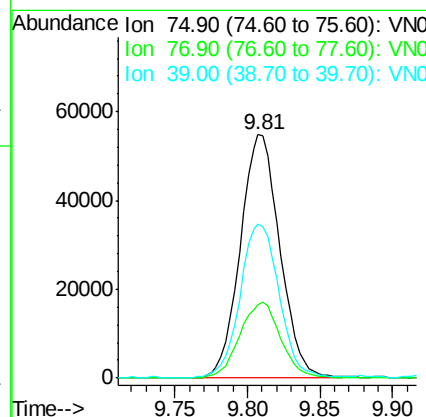
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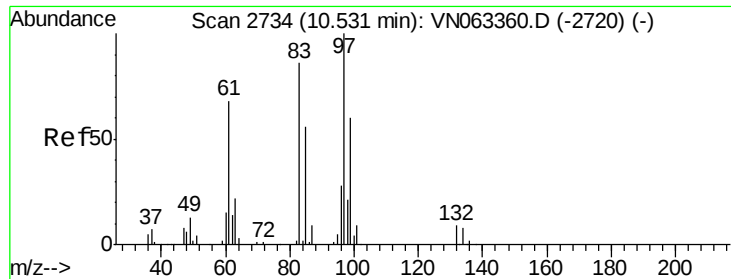
MMDadoda
9/23/2020 1:06:40 PM



#54
cis-1,3-Dichloropropene
Concen: 18.231 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion: 75 Resp: 103968
Ion Ratio Lower Upper
75 100
77 30.2 24.6 37.0
39 62.7 49.8 74.8





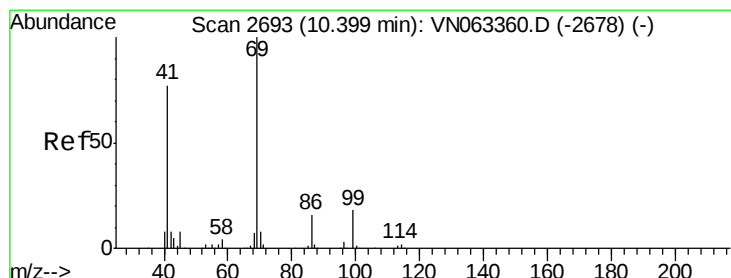
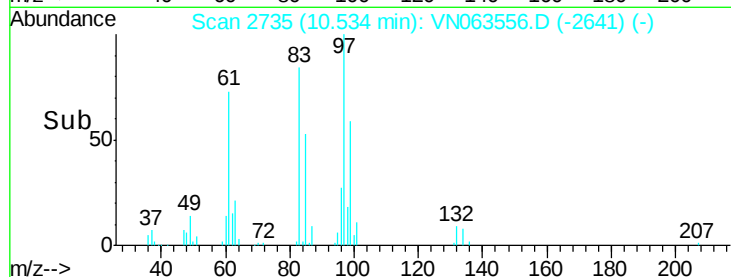
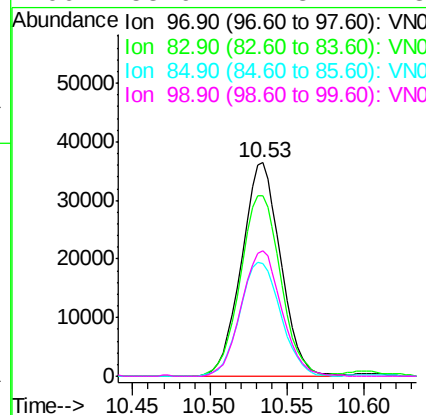
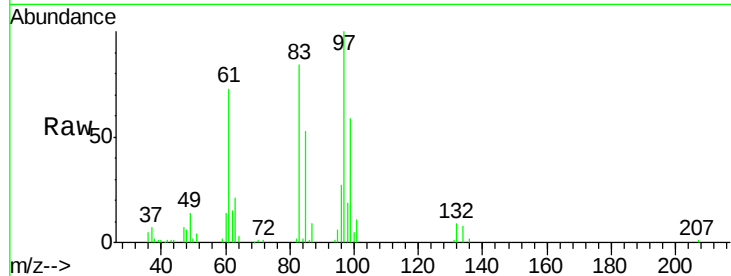
#55
 1,1,2-Trichloroethane
 Concen: 20.646 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion:	97	Resp:	64206
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.9	103.3
85	52.5	44.8	67.2
99	58.9	47.8	71.8

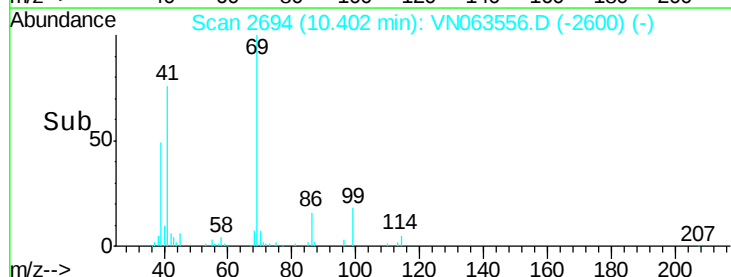
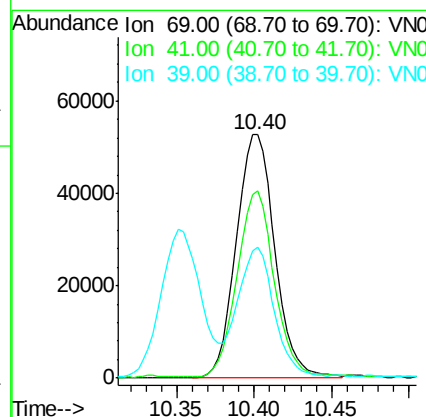
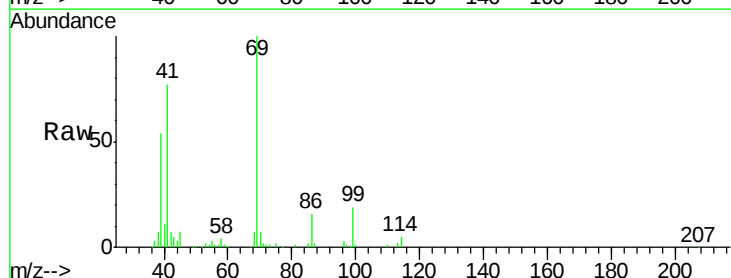
Manual Integrations
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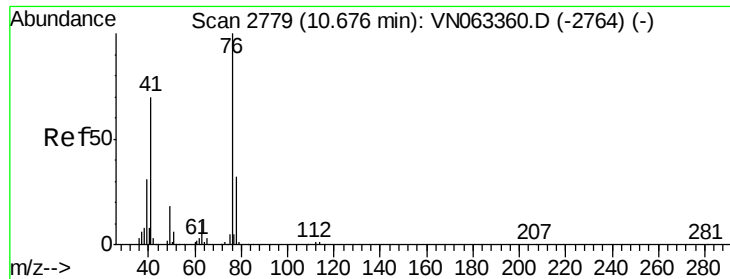
MMDadoda
 9/23/2020 1:06:40 PM



#56
 Ethyl methacrylate
 Concen: 18.830 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion:	69	Resp:	91416
Ion	Ratio	Lower	Upper
69	100		
41	73.8	61.0	91.6
39	50.8	39.2	58.8





#57

1,3-Dichloropropane

Concen: 19.343 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 76 Resp: 108480

Ion Ratio Lower Upper

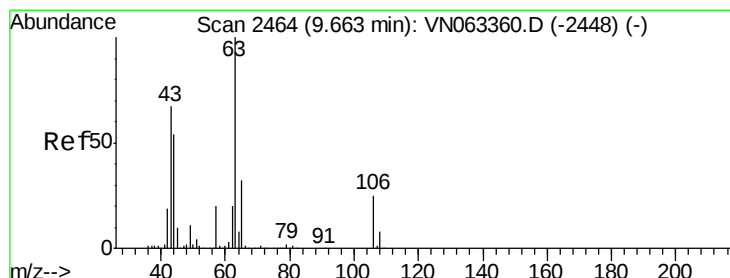
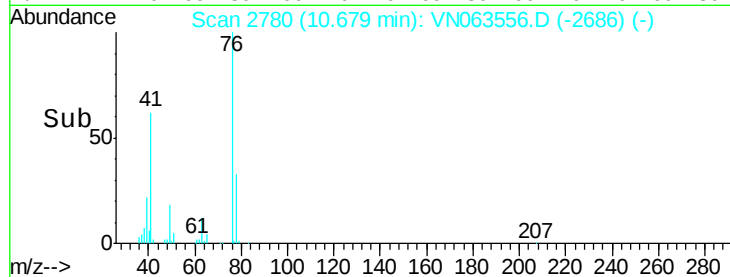
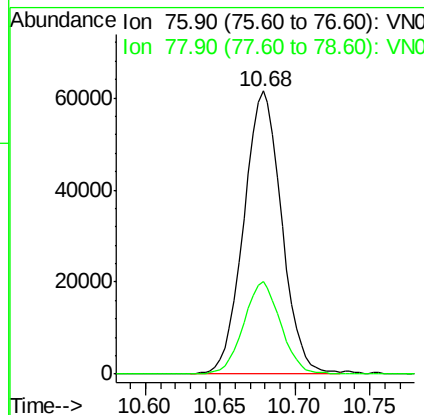
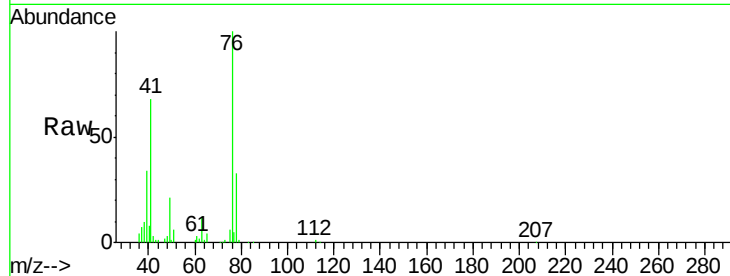
76 100

78 31.9 25.8 38.8

Manual Integrations
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MMDadoda

9/23/2020 1:06:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.275 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063556.D

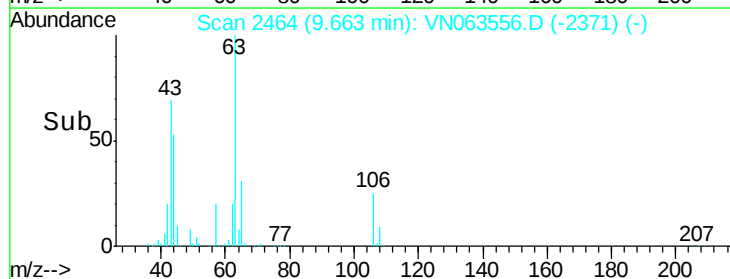
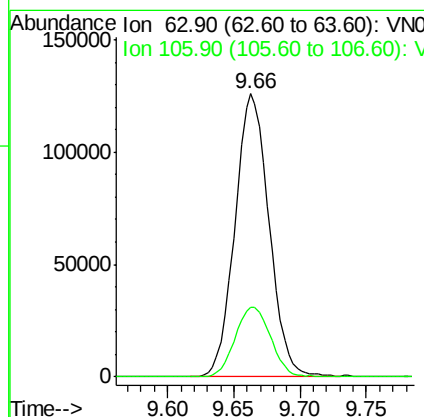
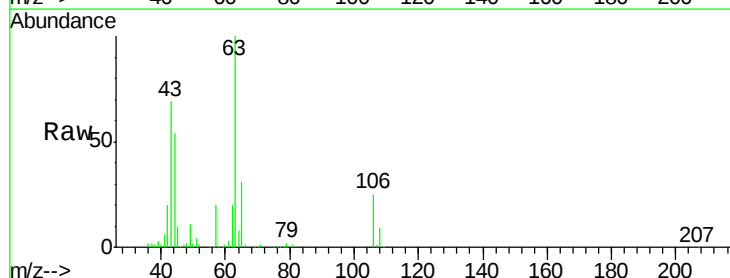
Acq: 23 Sep 2020 1:40

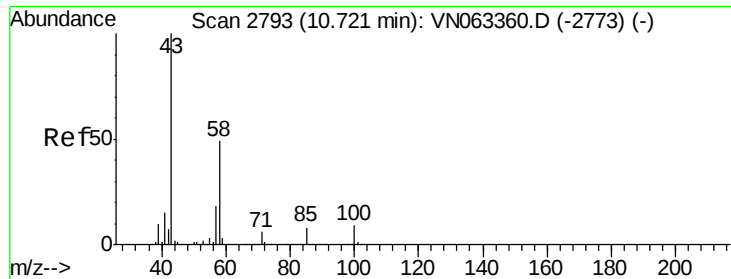
Tgt Ion: 63 Resp: 224817

Ion Ratio Lower Upper

63 100

106 25.8 19.5 29.3





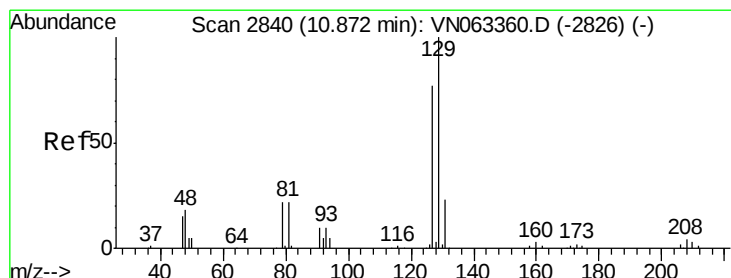
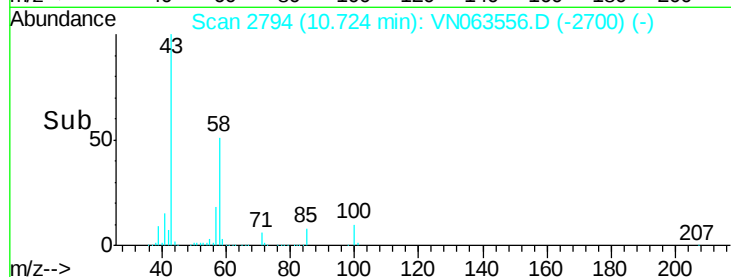
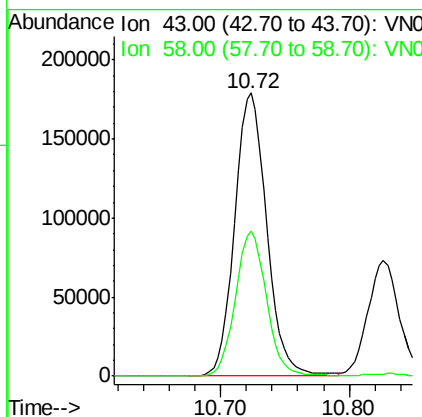
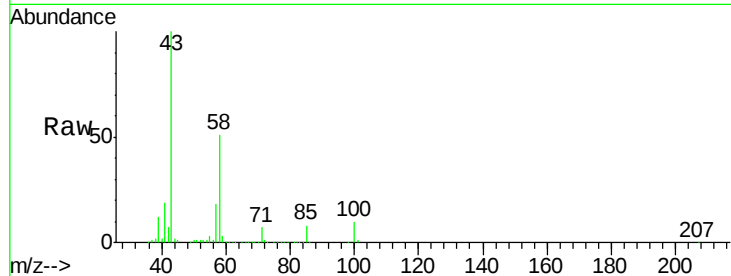
#59
2-Hexanone
Concen: 94.964 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion: 43 Resp: 308347
Ion Ratio Lower Upper
43 100
58 49.8 24.7 74.1

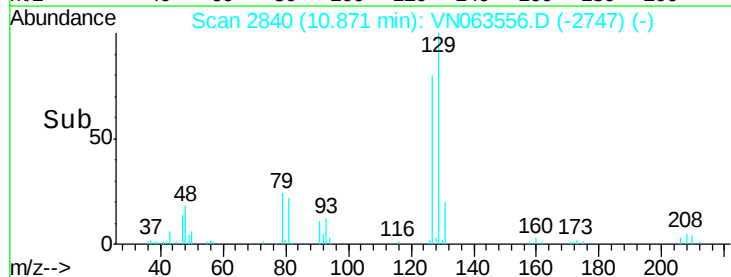
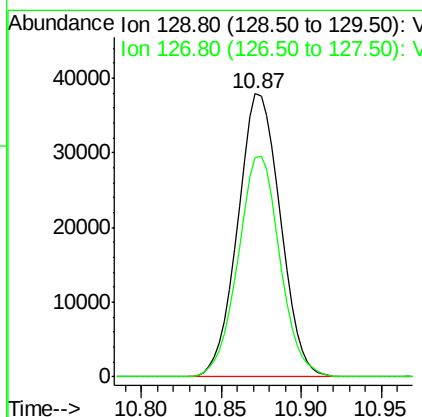
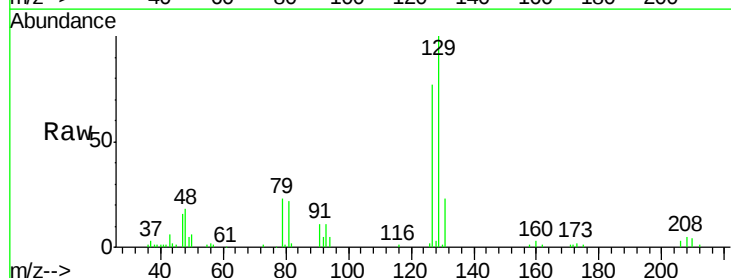
Manual Integrations
APPROVED

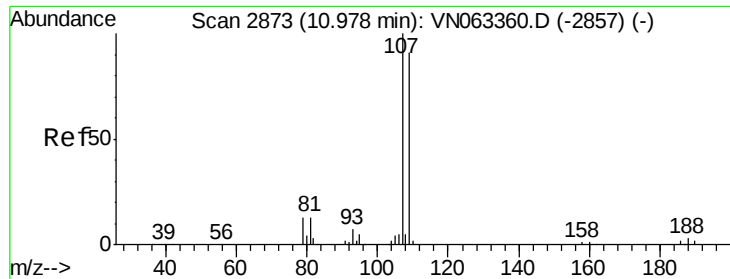
MMDadoda
9/23/2020 1:06:40 PM



#60
Dibromochloromethane
Concen: 19.615 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion: 129 Resp: 68914
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.3





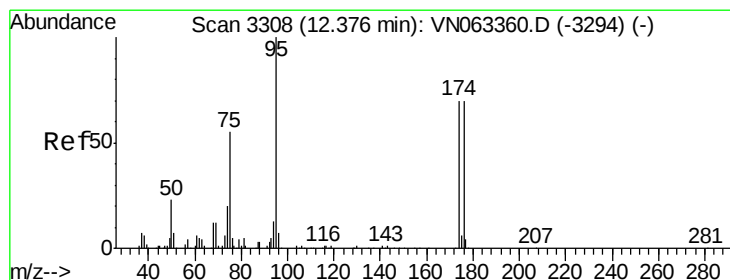
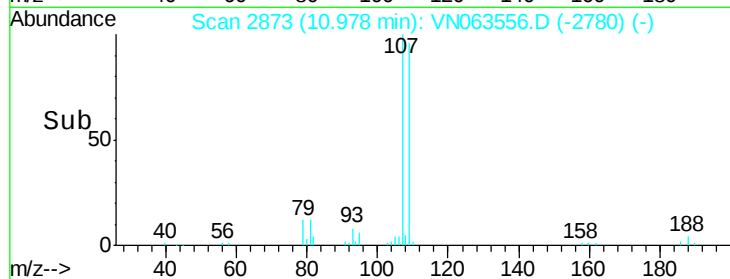
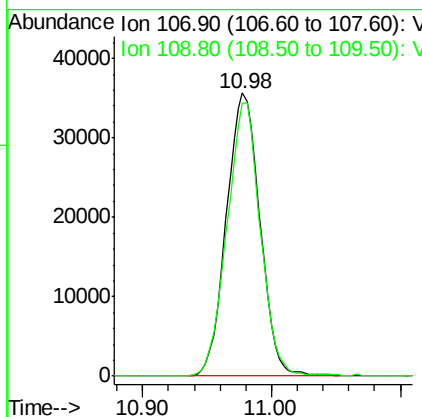
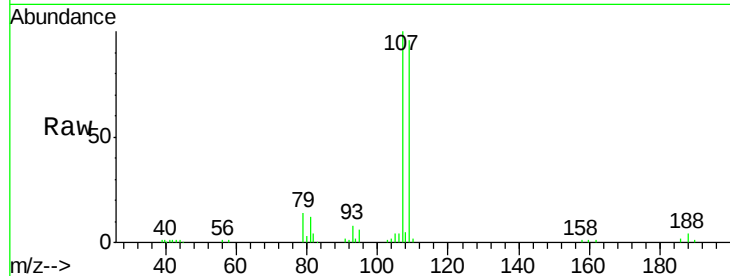
#61
 1,2-Dibromoethane
 Concen: 19.929 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.6	111.8

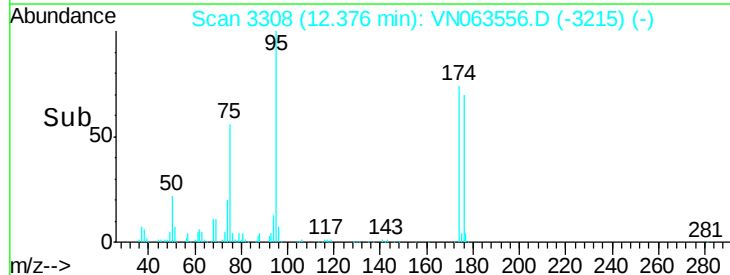
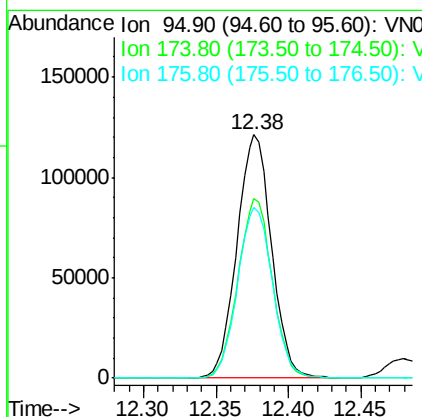
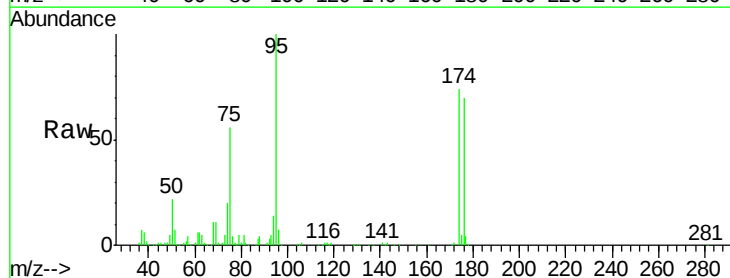
Manual Integrations
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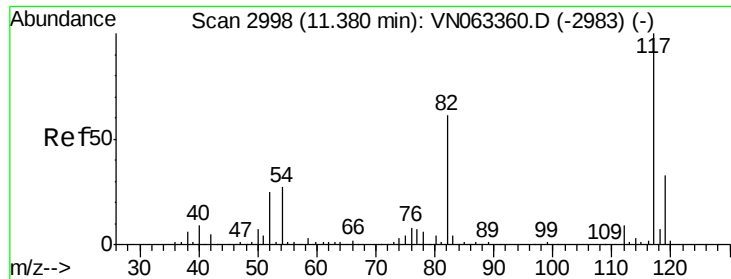
MMDadoda
 9/23/2020 1:06:40 PM



#62
 4-Bromofluorobenzene
 Concen: 49.278 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	140.8
176	70.9	0.0	137.6





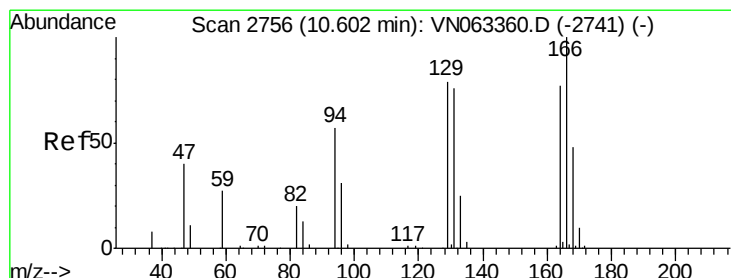
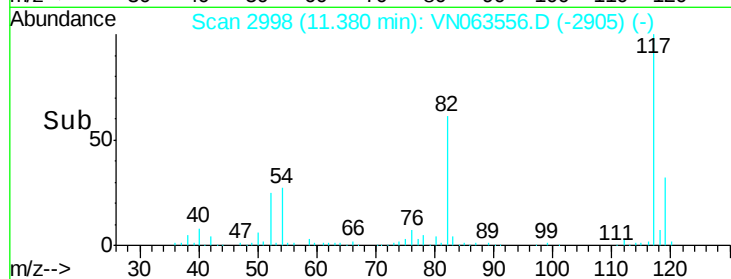
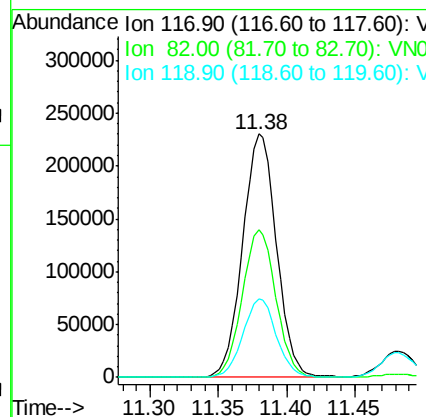
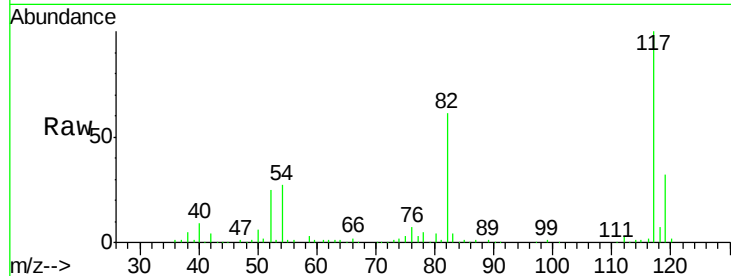
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	396107		
82	60.7	49.2	73.8	
119	32.4	26.2	39.4	

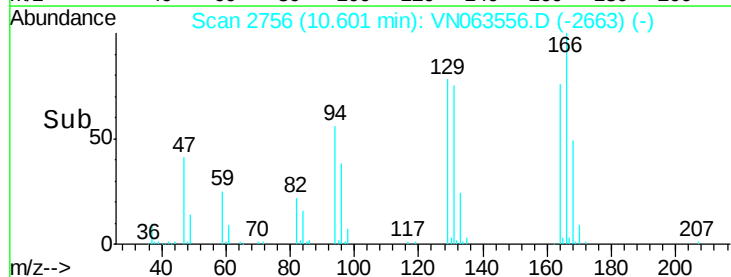
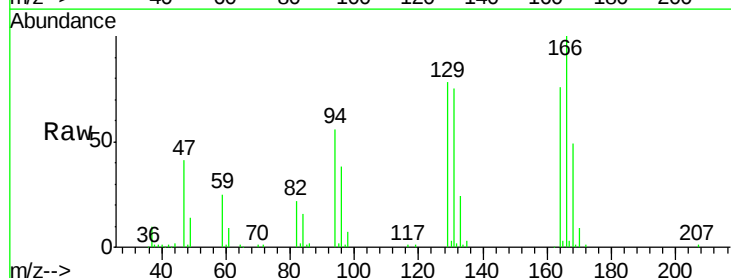
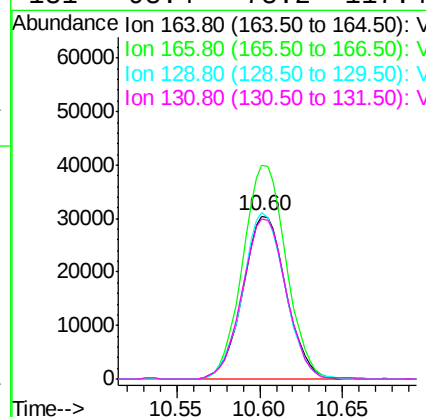
Manual Integrations
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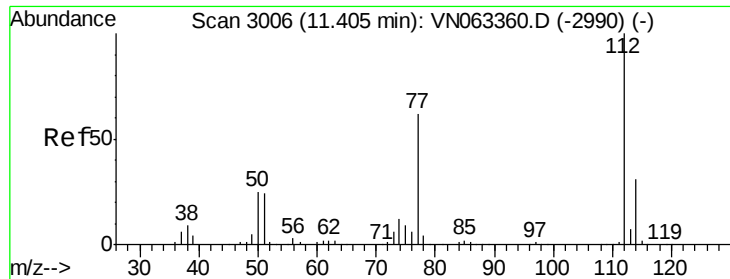
MMDadoda
9/23/2020 1:06:40 PM



#64
Tetrachloroethene
Concen: 20.385 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54982		
166	131.0	103.4	155.0	
129	102.2	81.8	122.6	
131	98.4	78.2	117.4	





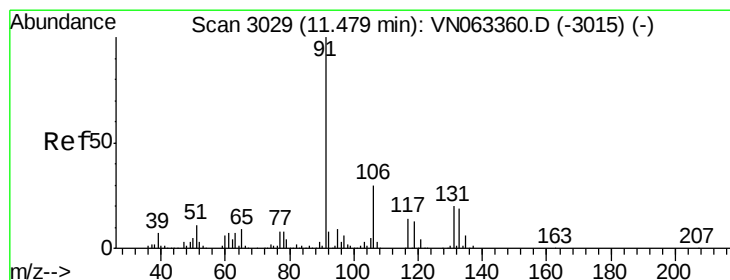
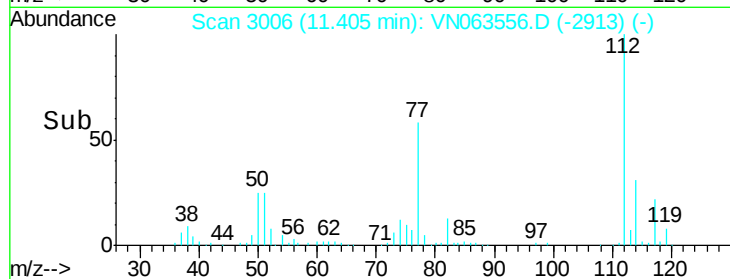
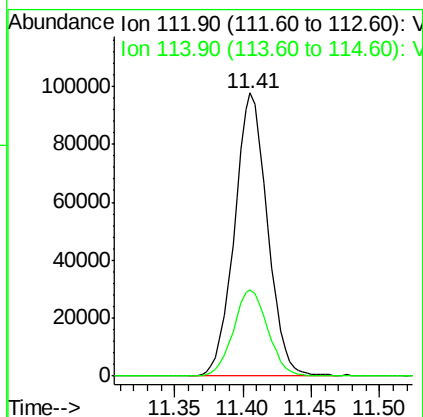
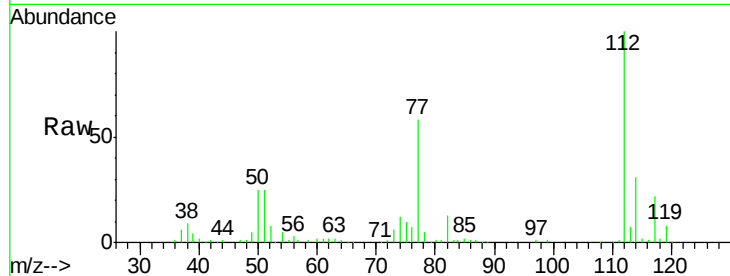
#65
Chlorobenzene
Concen: 19.456 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion:112 Resp: 163587
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.6

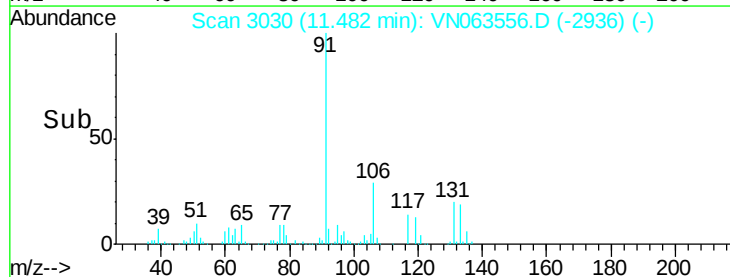
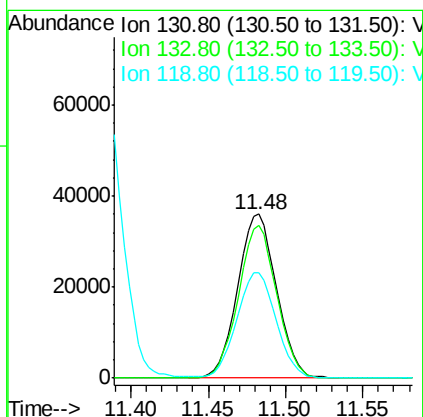
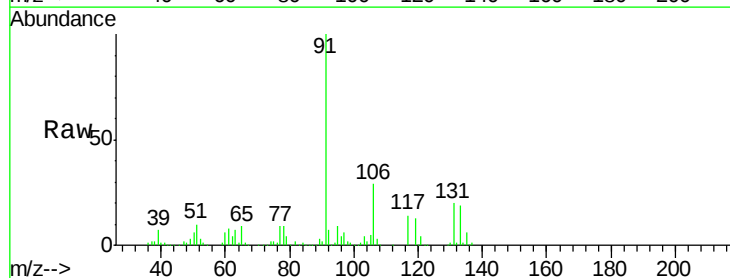
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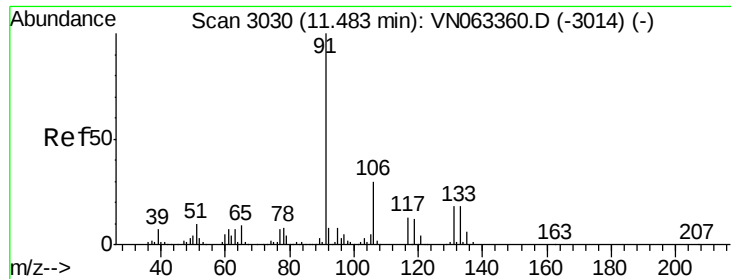
MMDadoda
9/23/2020 1:06:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.371 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion:131 Resp: 62785
Ion Ratio Lower Upper
131 100
133 92.0 47.3 141.9
119 65.7 33.6 100.8





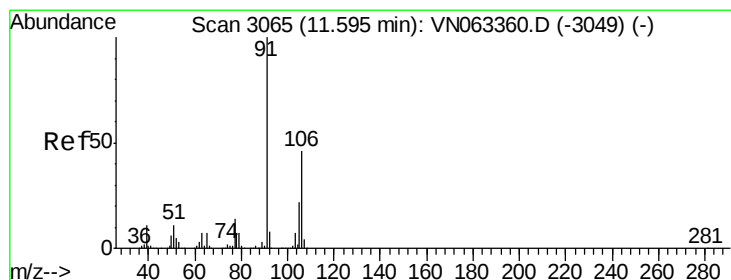
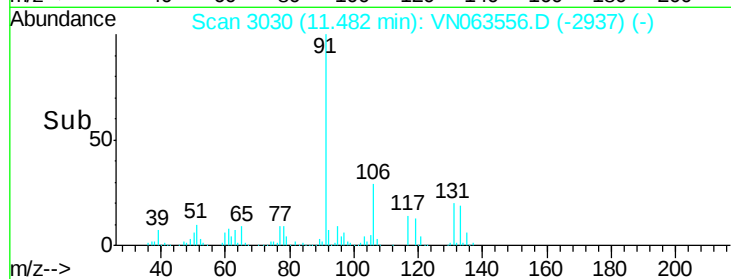
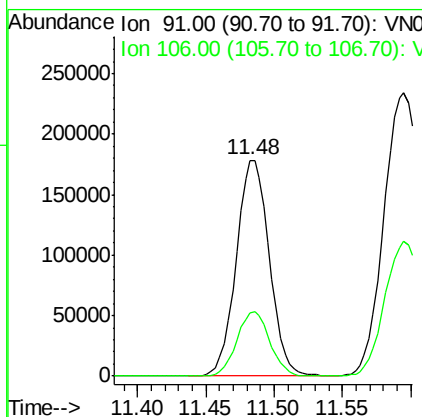
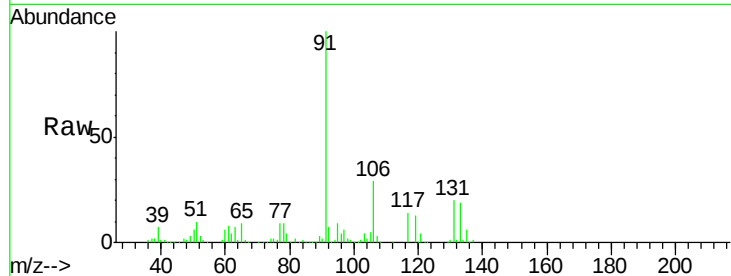
#67
Ethyl Benzene
Concen: 18.929 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion: 91 Resp: 299729
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6

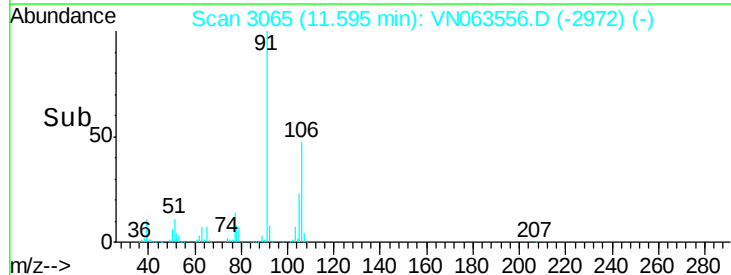
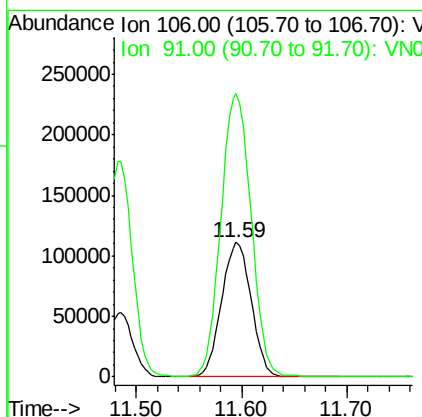
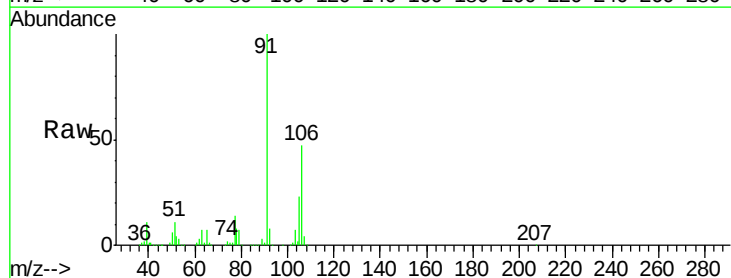
Manual Integrations
APPROVED

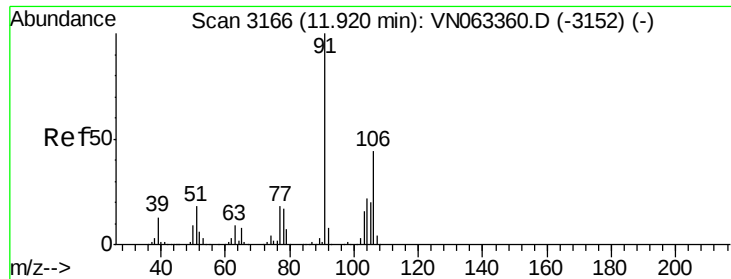
MMDadoda
9/23/2020 1:06:40 PM



#68
m/p-Xylenes
Concen: 37.974 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion: 106 Resp: 216796
Ion Ratio Lower Upper
106 100
91 213.3 171.2 256.8





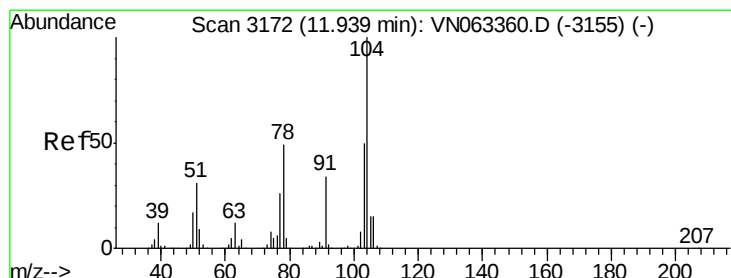
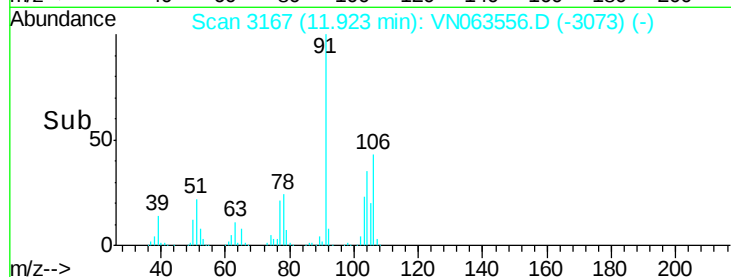
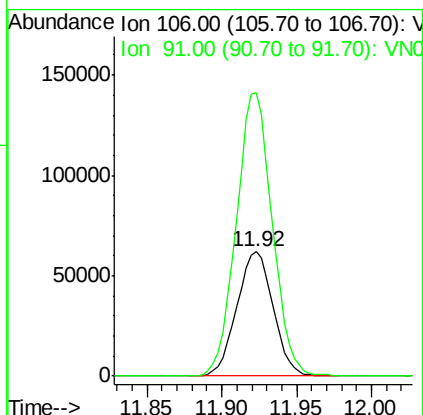
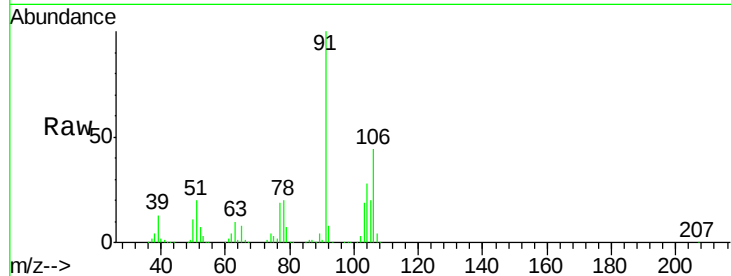
#69
o-Xylene
Concen: 19.302 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104974		
91	91	225.5	113.6	340.8	

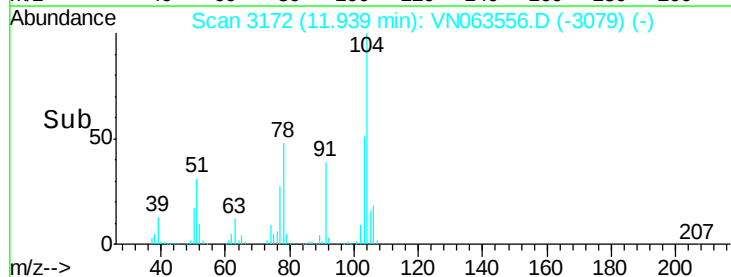
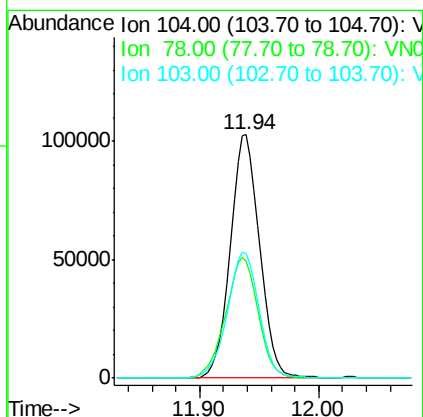
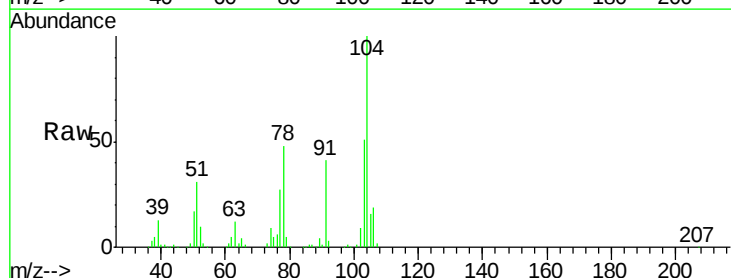
Manual Integrations
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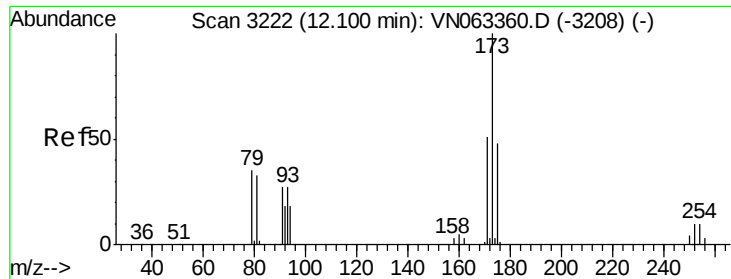
MMDadoda
9/23/2020 1:06:40 PM



#70
Styrene
Concen: 19.269 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	175738		
78	78	54.9	44.4	66.6	
103	103	56.1	43.7	65.5	





#71

Bromoform

Concen: 18.794 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

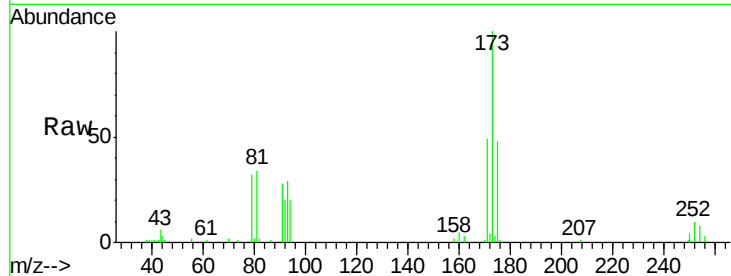
ClientSampleId :

VN0922WBSD02

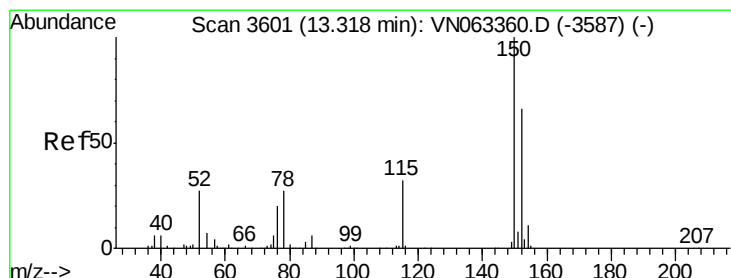
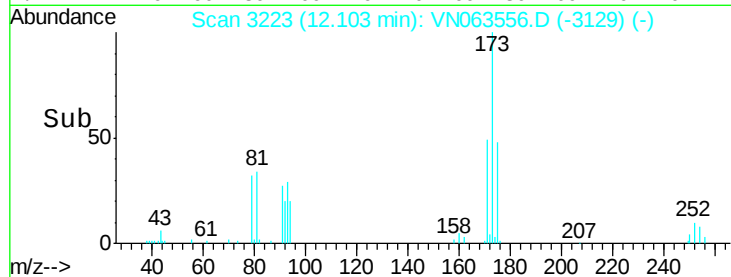
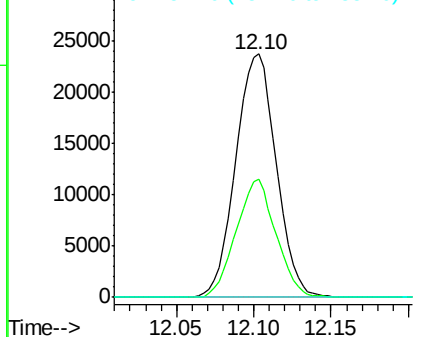
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.5	24.0	72.0	
254	0.0	0.0	0.0	

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

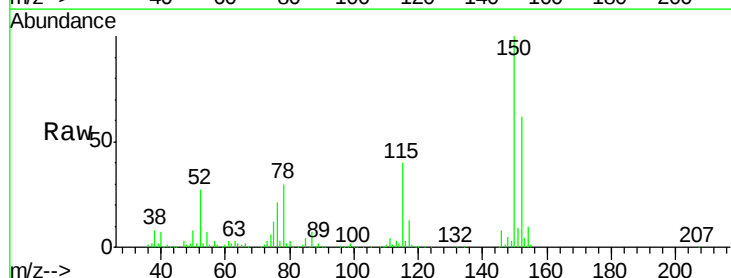
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

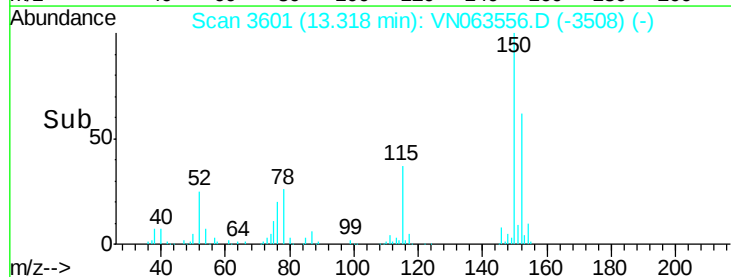
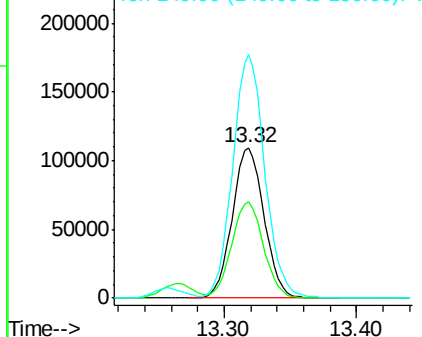
Lab File: VN063556.D

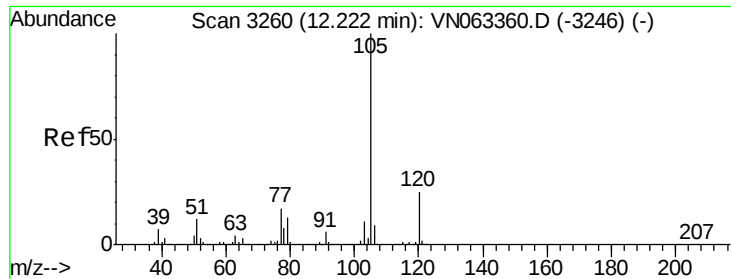
Acq: 23 Sep 2020 1:40

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	64.5	32.2	96.6	
150	163.0	0.0	343.4	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.203 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 105 Resp: 279811

Ion Ratio Lower Upper

105 100

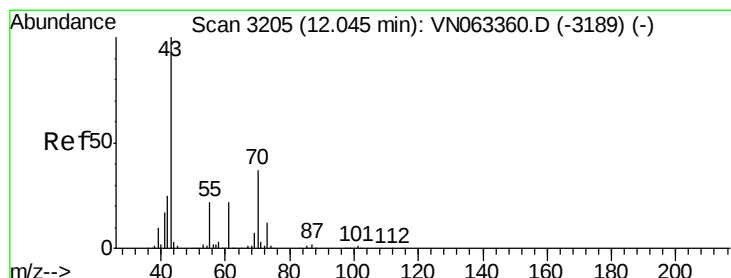
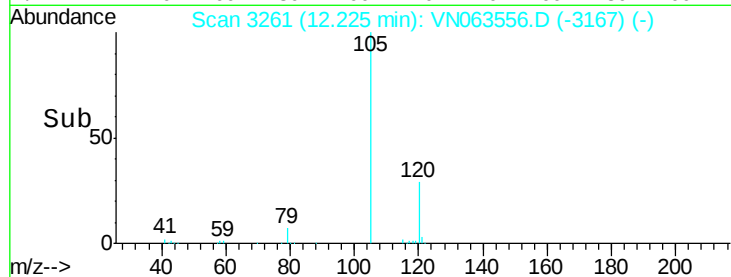
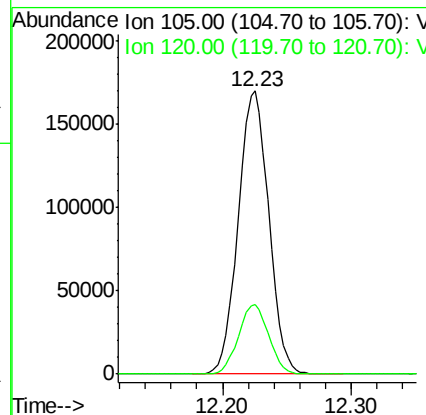
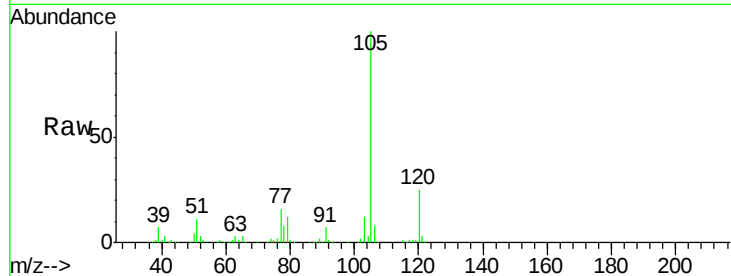
120 24.3 12.7 38.0

Manual Integrations

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9/23/2020 1:06:40 PM



#74

N-ethyl acetate

Concen: 18.227 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Tgt Ion: 43 Resp: 125722

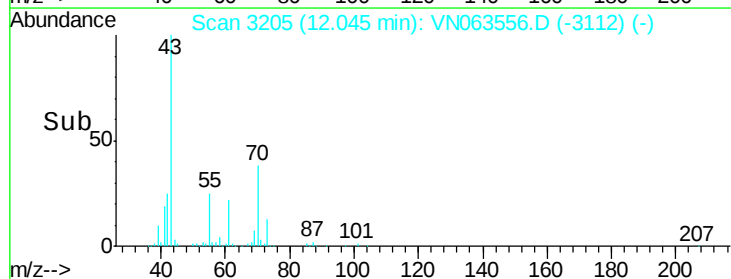
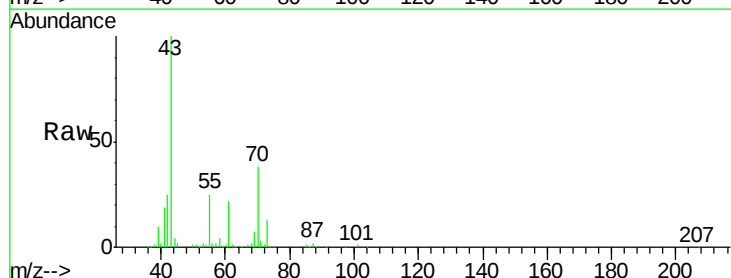
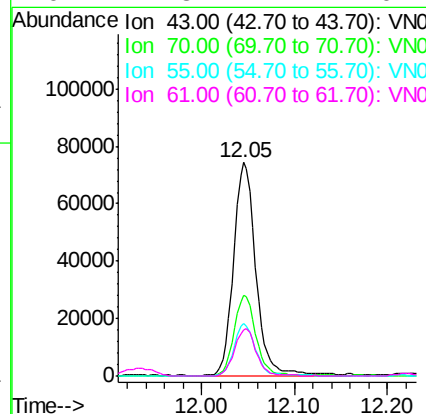
Ion Ratio Lower Upper

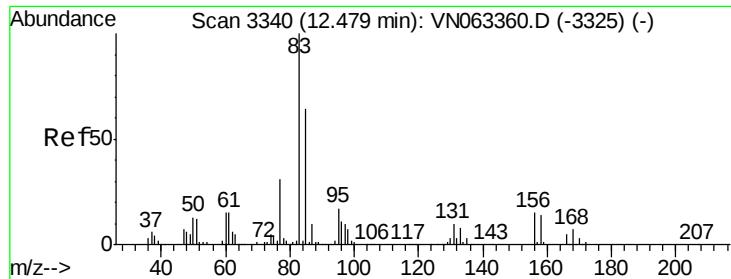
43 100

70 36.8 29.6 44.4

55 23.2 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.834 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

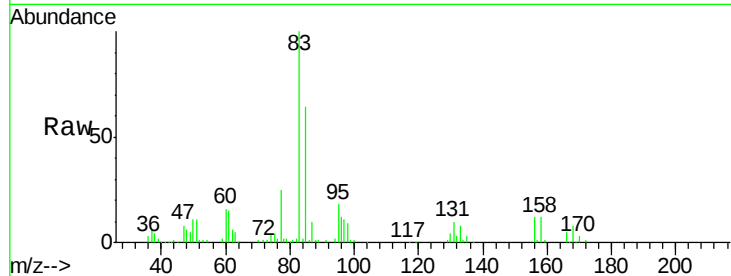
ClientSampleId :

VN0922WBSD02

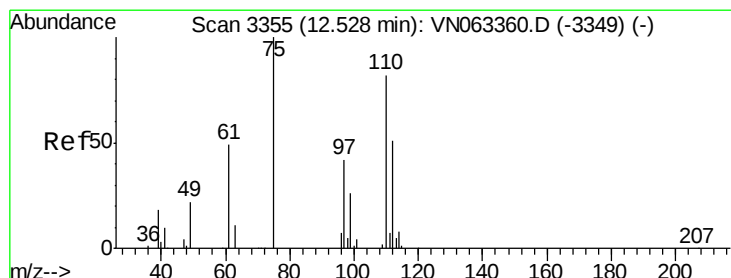
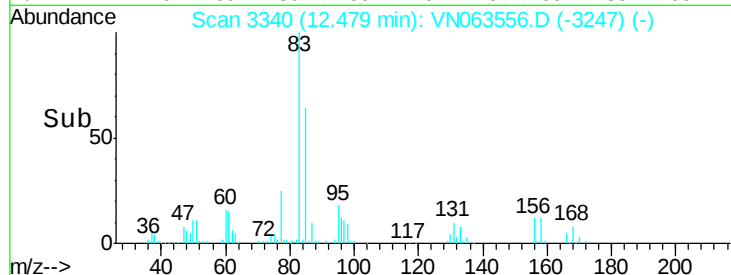
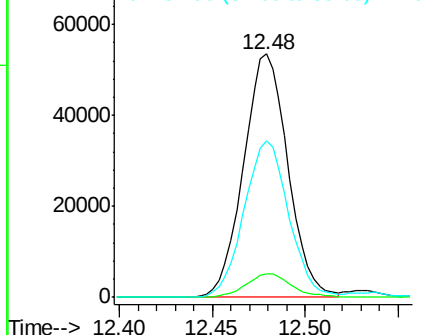
Tot Ion:	83	Resp:	89486
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.8	32.0	96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 19.959 ug/l m

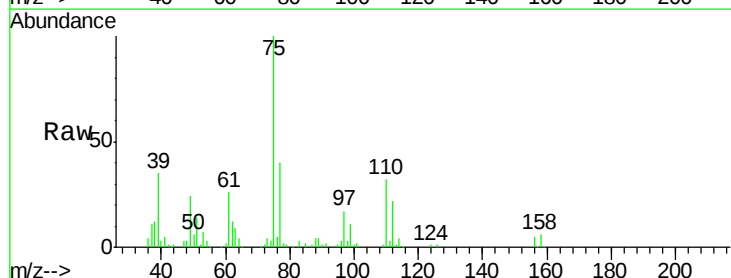
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

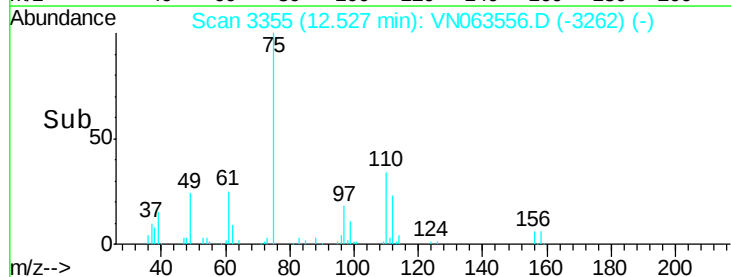
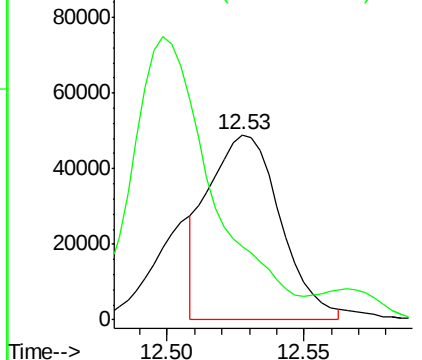
Lab File: VN063556.D

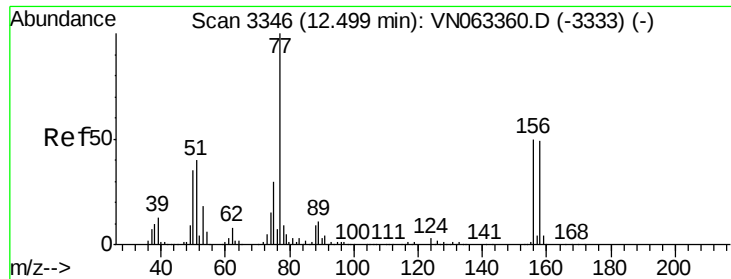
Acq: 23 Sep 2020 1:40

Tgt Ion:	75	Resp:	89828
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)





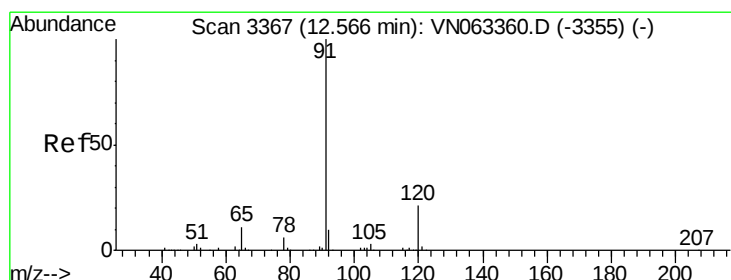
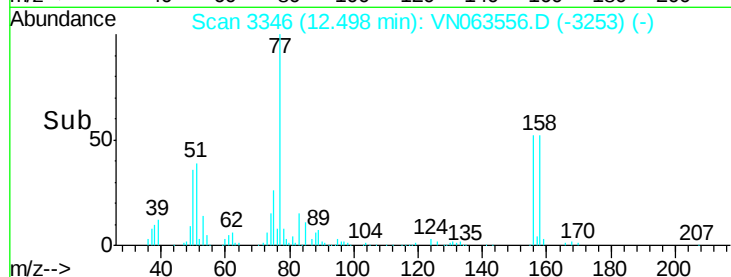
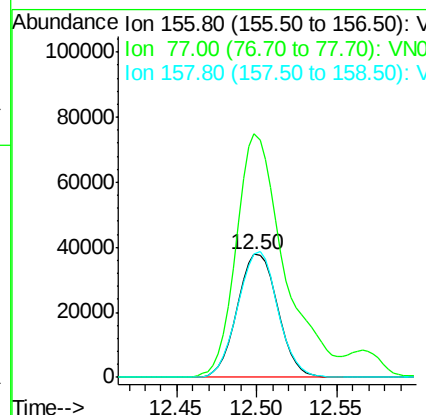
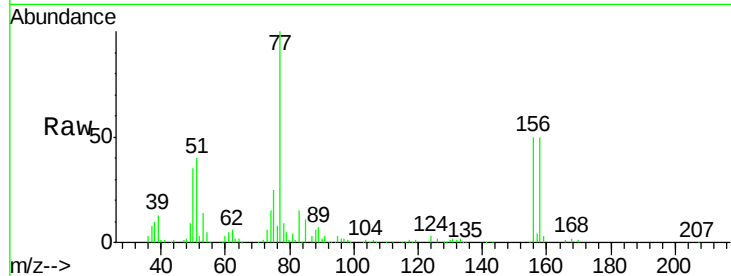
#77
Bromobenzene
Concen: 20.045 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.8	120.2	360.6
158	100.4	48.9	146.6

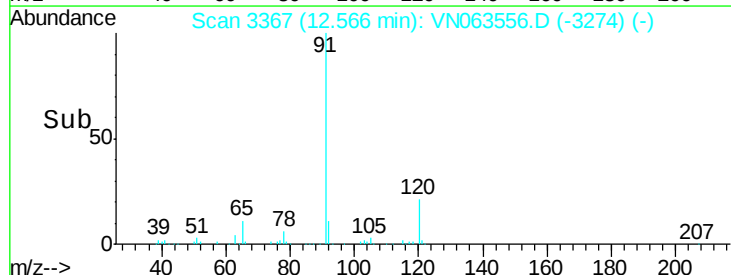
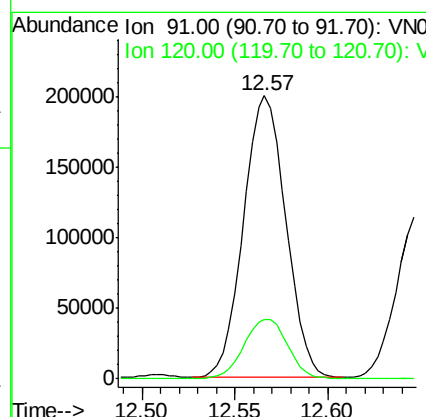
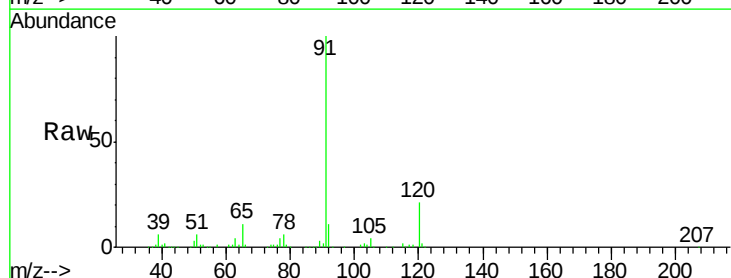
Manual Integrations
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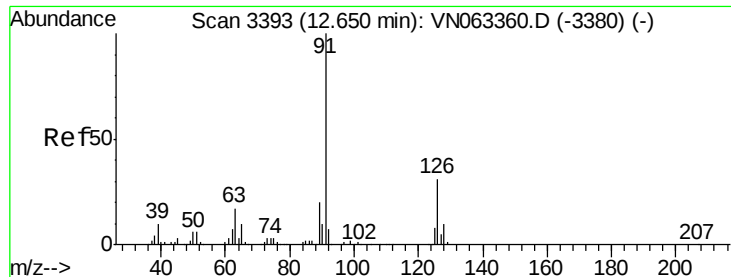
MMDadoda
9/23/2020 1:06:40 PM



#78
n-propylbenzene
Concen: 18.704 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.282 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampled :

VN0922WBSD02

Tot Ion: 91 Resp: 196164

Ion Ratio Lower Upper

91 100

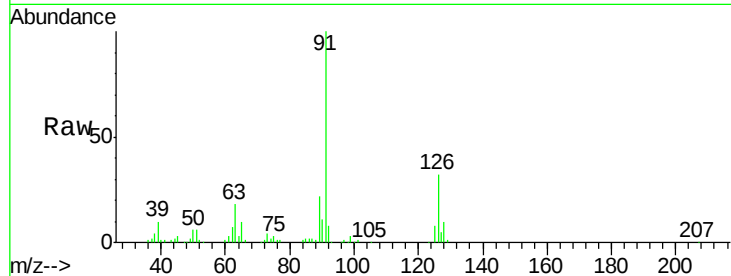
126 31.8 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

200000

150000

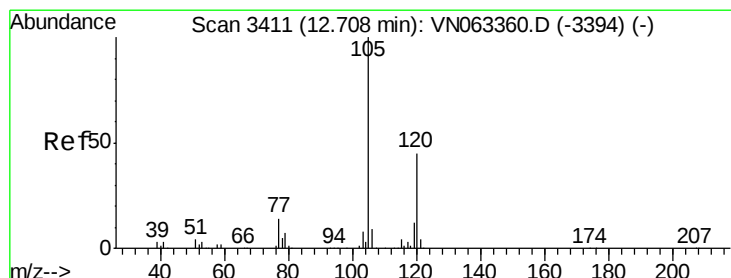
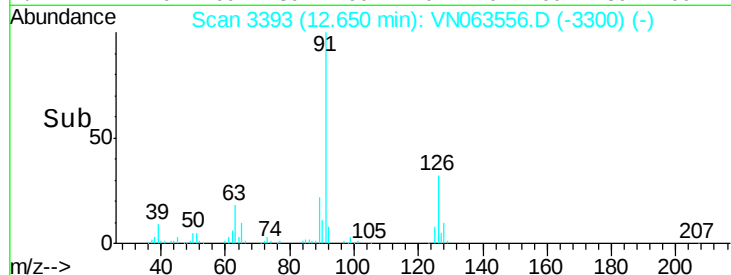
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.111 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063556.D

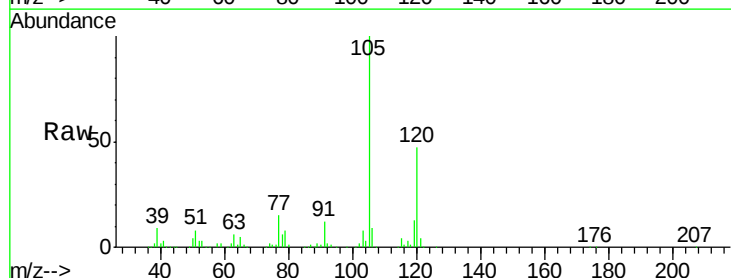
Acq: 23 Sep 2020 1:40

Tgt Ion: 105 Resp: 232210

Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

150000

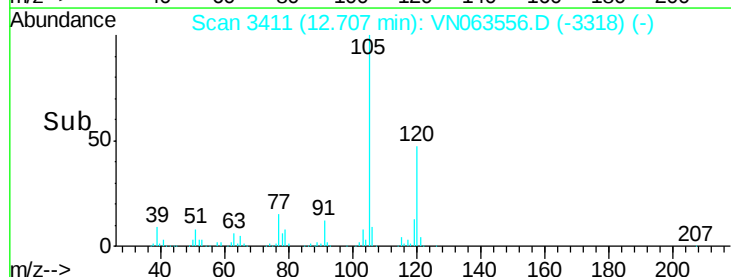
100000

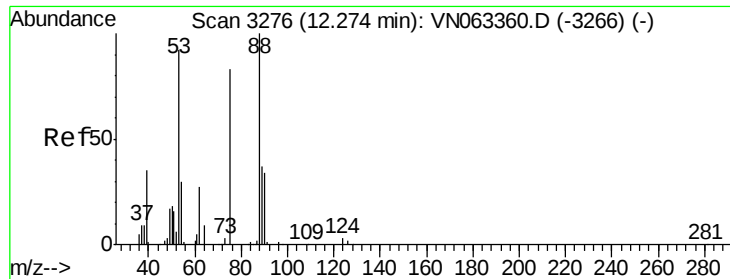
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.010 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063556.D

Acq: 23 Sep 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBSD02

Tot Ion: 75 Resp: 26282

Ion Ratio Lower Upper

75 100

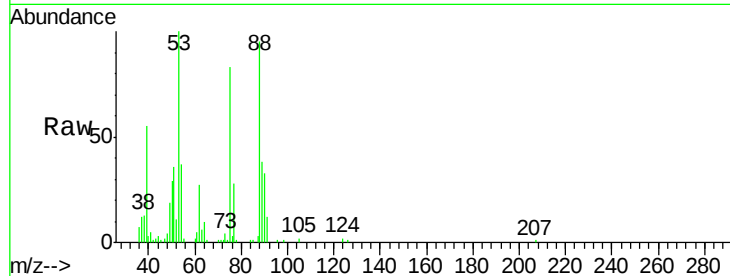
53 117.8 85.7 128.5

89 48.3 38.0 57.0

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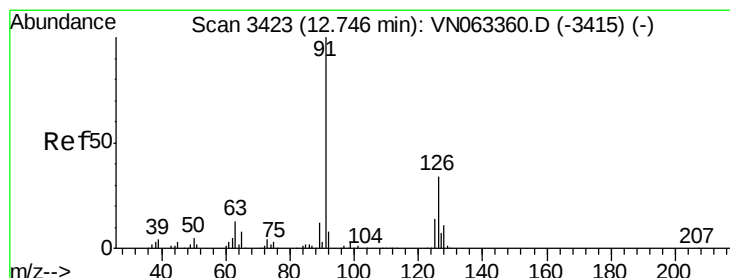
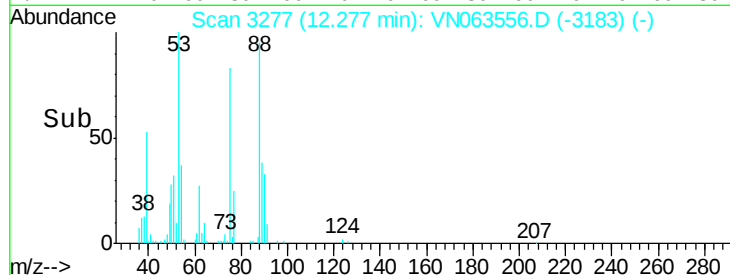
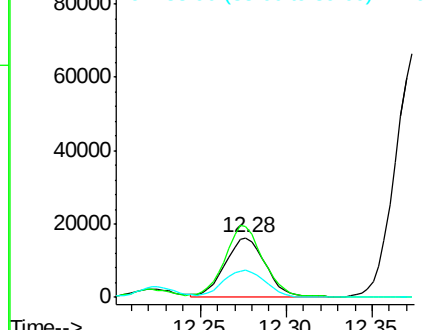
9/23/2020 1:06:40 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.170 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063556.D

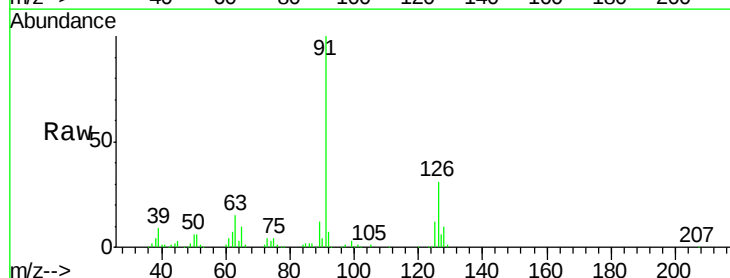
Acq: 23 Sep 2020 1:40

Tgt Ion: 91 Resp: 206060

Ion Ratio Lower Upper

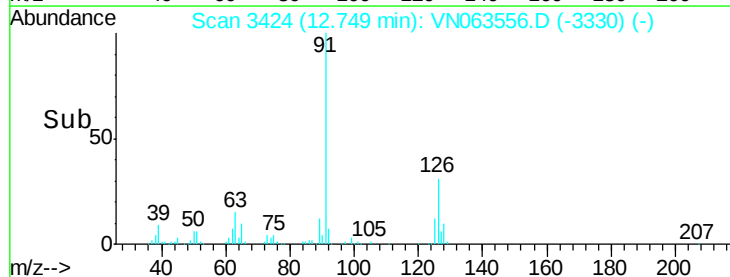
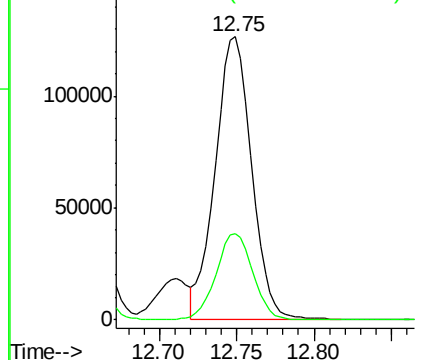
91 100

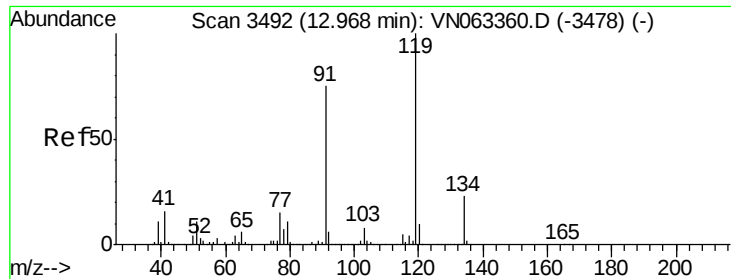
126 31.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





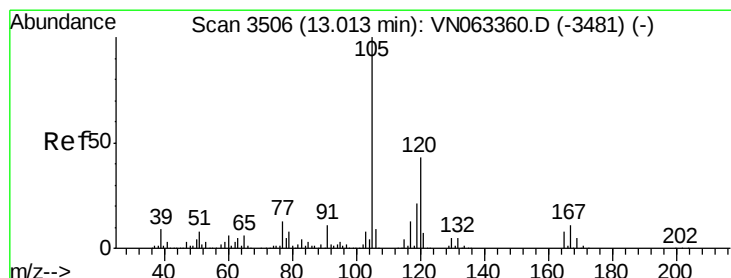
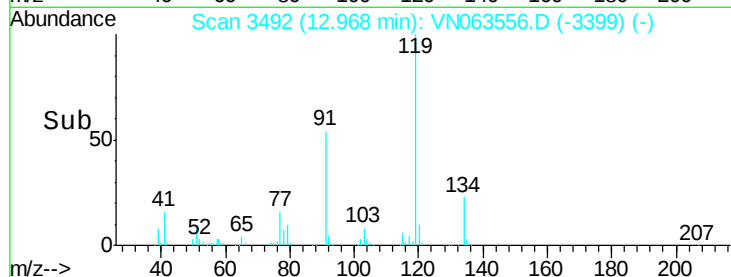
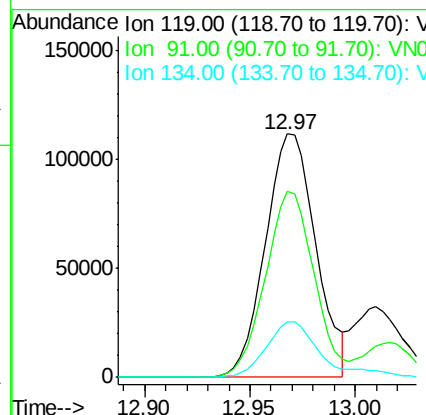
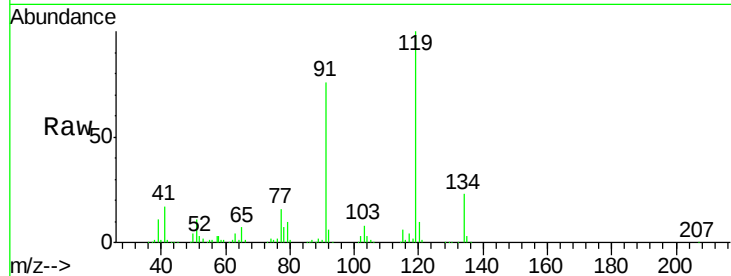
#83
 tert-Butylbenzene
 Concen: 18.584 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186370		
91	74.0	36.3	108.9	
134	25.0	12.3	36.8	

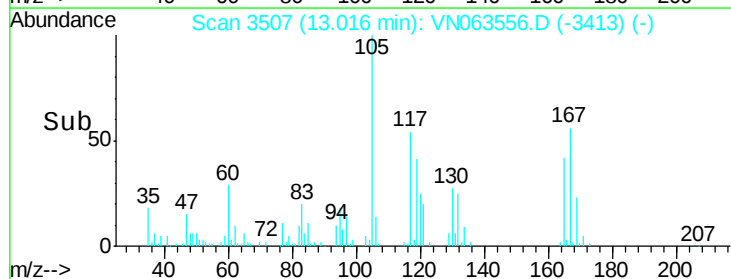
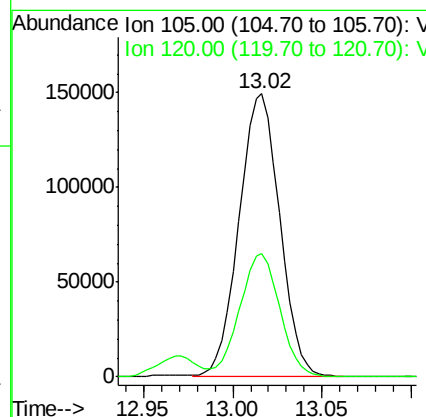
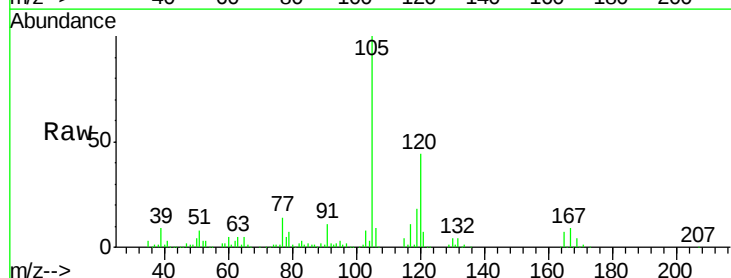
Manual Integrations
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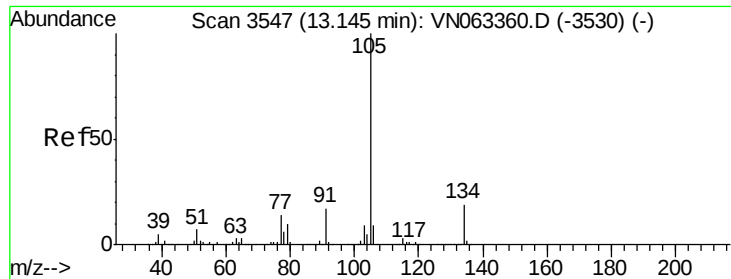
MMDadoda
 9/23/2020 1:06:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.208 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235736		
120	42.8	21.3	63.9	





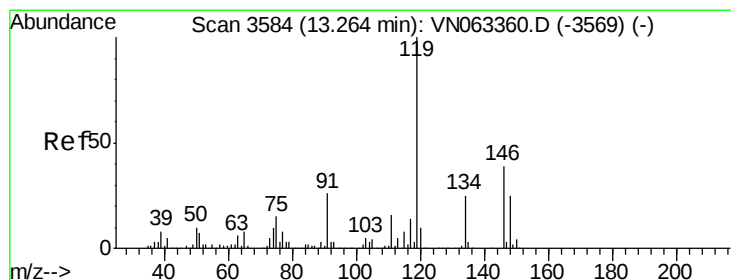
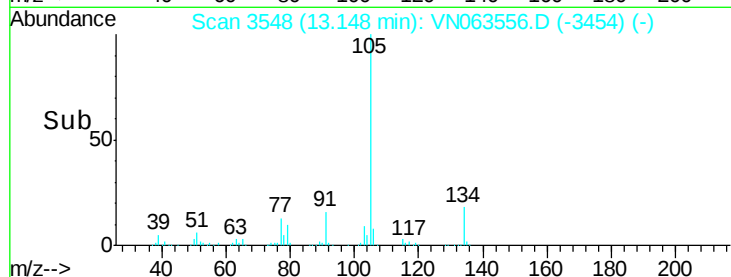
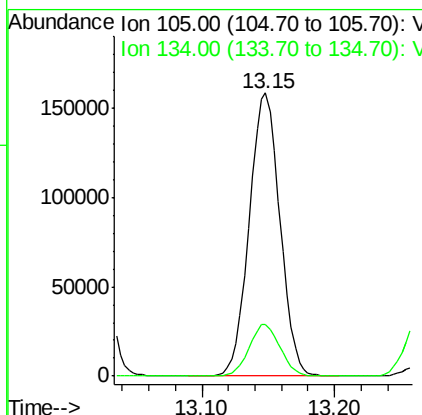
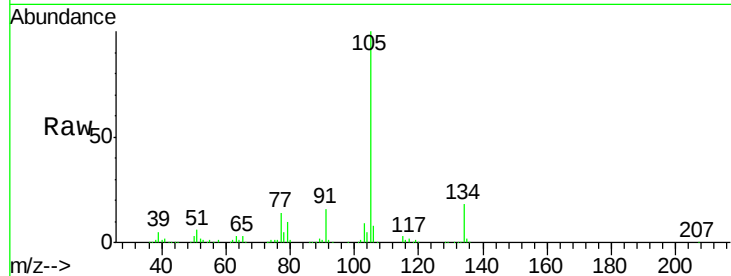
#85
 sec-Butylbenzene
 Concen: 18.865 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	253233		
134	18.3	9.3	27.7	

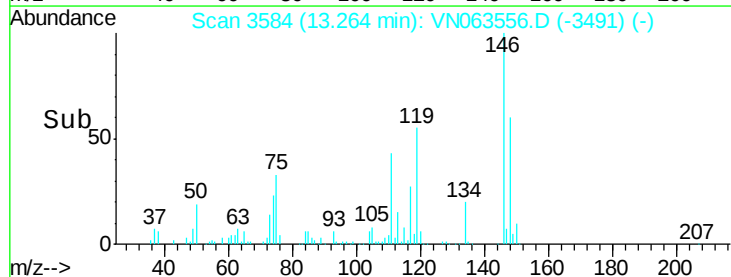
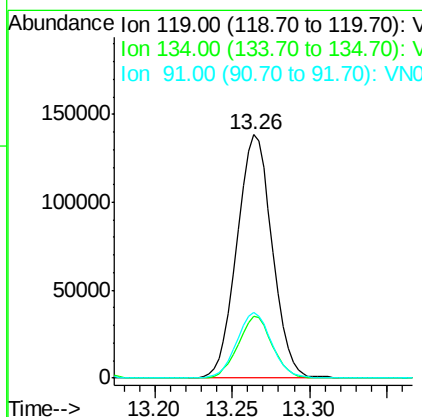
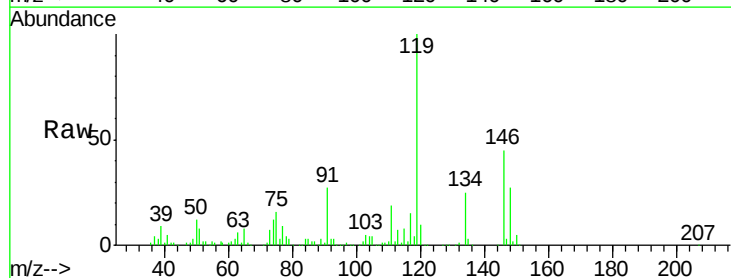
Manual Integrations
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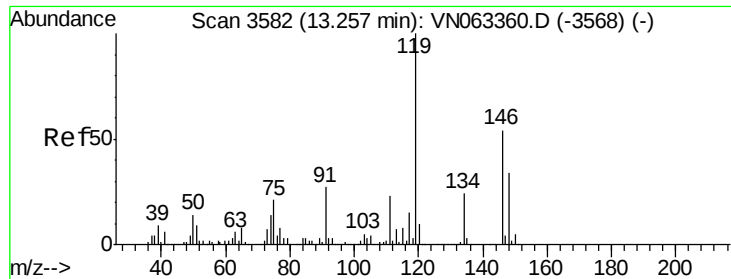
MMDadoda
 9/23/2020 1:06:40 PM



#86
 p-Isopropyltoluene
 Concen: 18.520 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	219272		
134	24.6	12.5	37.5	
91	26.5	13.4	40.1	





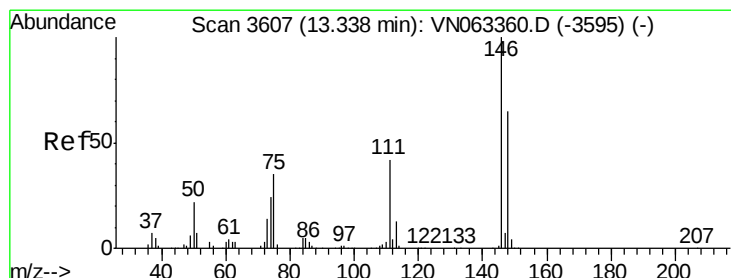
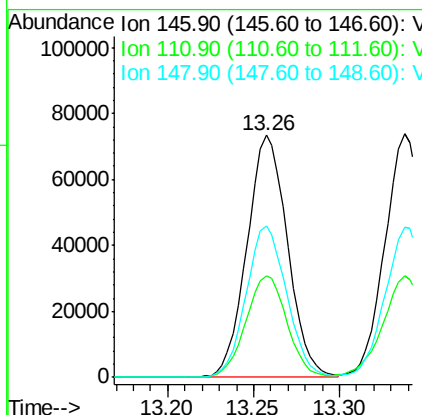
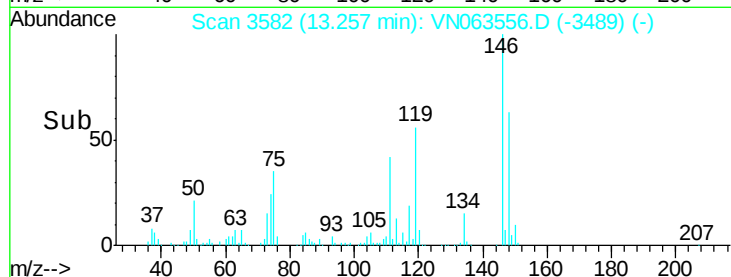
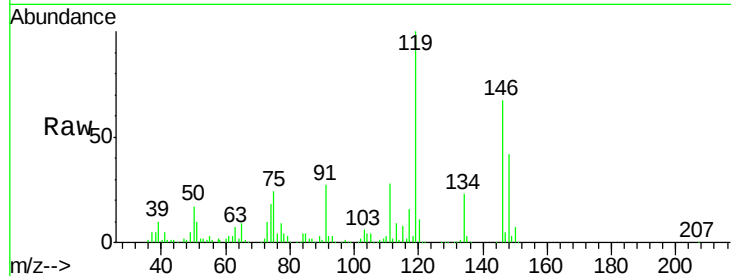
#87
 1,3-Dichlorobenzene
 Concen: 19.759 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120038		
111	42.6	21.4	64.3	
148	62.6	31.9	95.7	

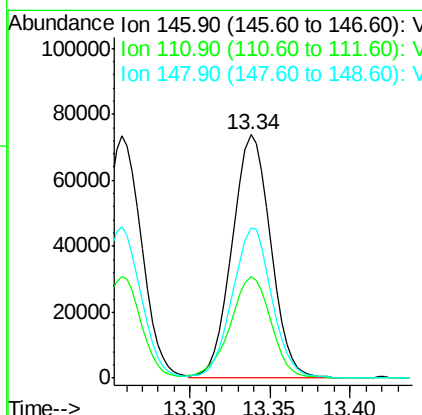
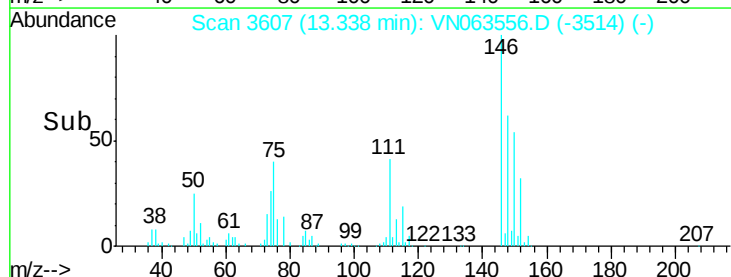
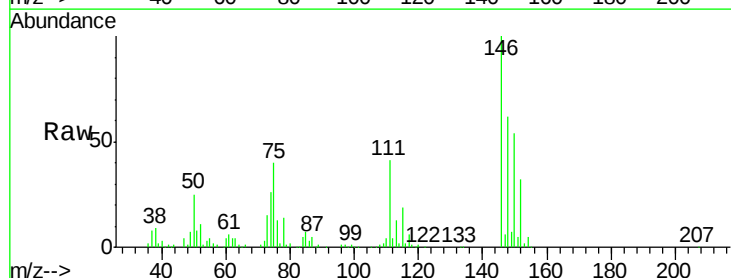
Manual Integrations
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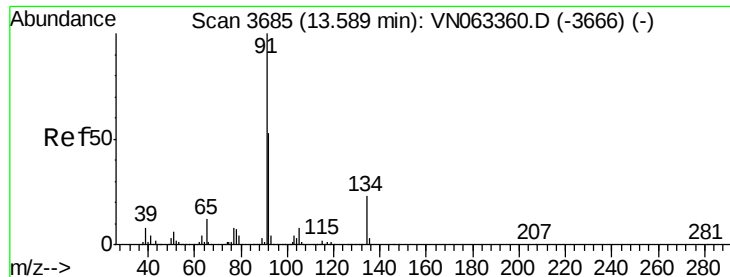
MMDadoda
 9/23/2020 1:06:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120595		
111	43.7	21.2	63.6	
148	63.8	31.9	95.9	





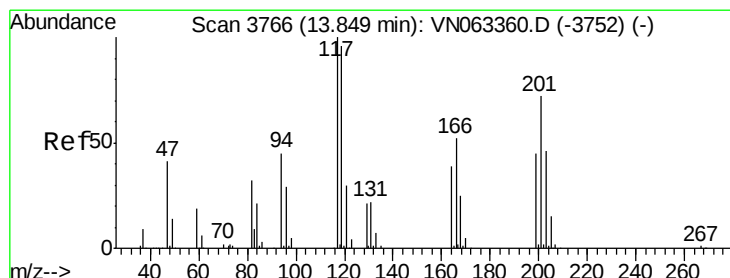
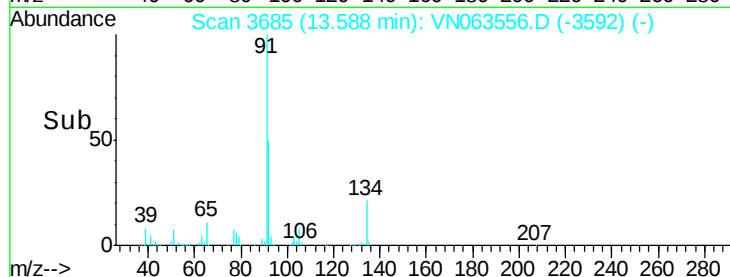
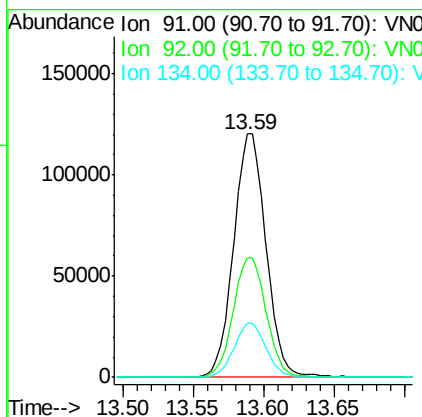
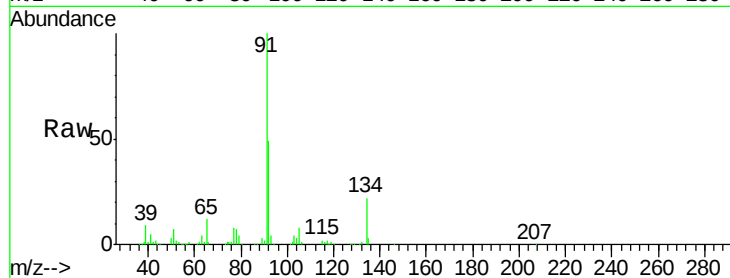
#89
n-Butylbenzene
Concen: 17.788 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.0	78.0
134	22.0	11.7	35.0

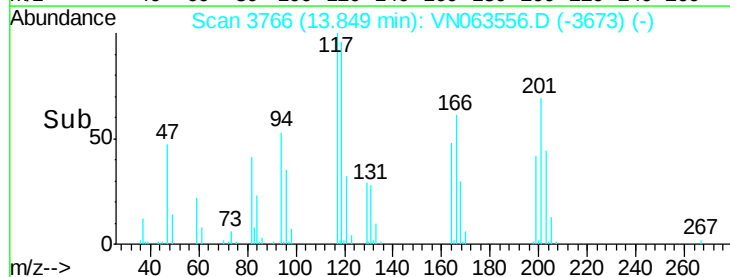
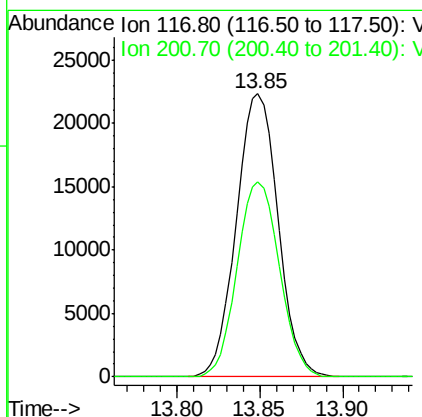
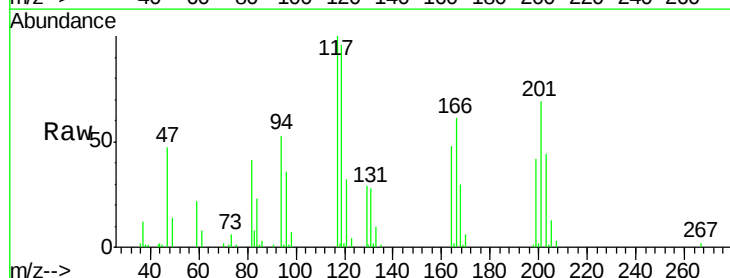
Manual Integrations
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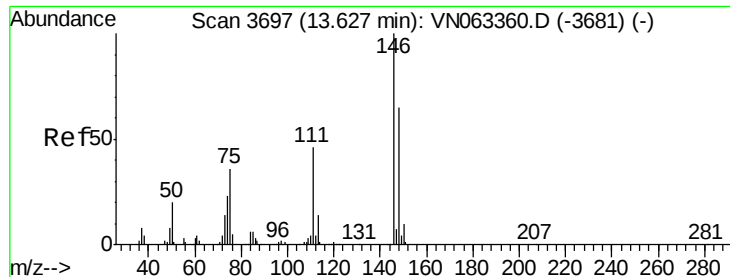
MMDadoda
9/23/2020 1:06:40 PM



#90
Hexachloroethane
Concen: 17.400 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.5	106.7





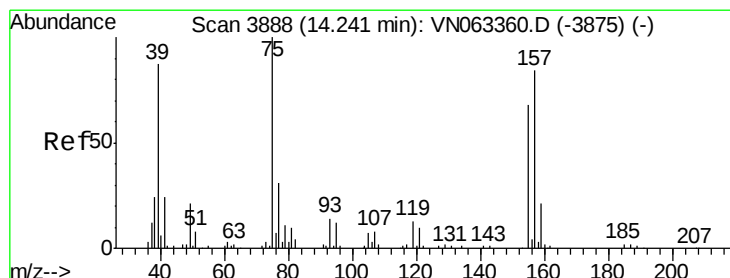
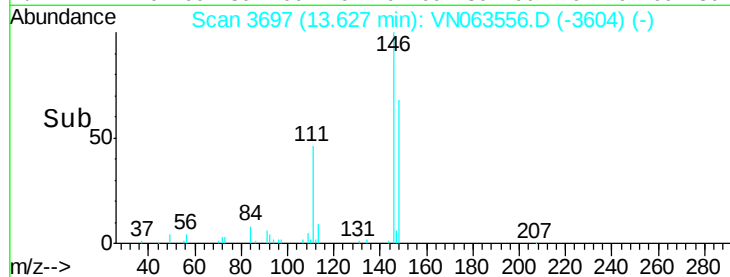
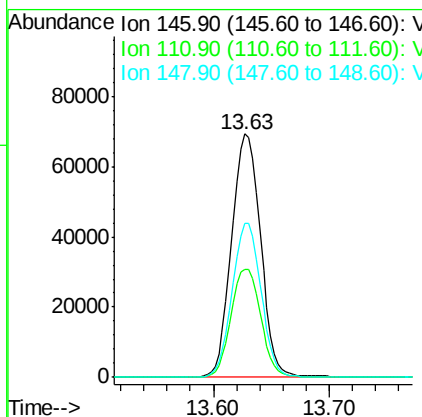
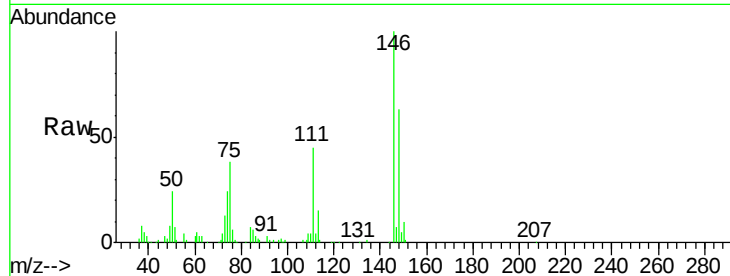
#91
 1,2-Dichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.4	67.2
148	62.9	32.0	96.0

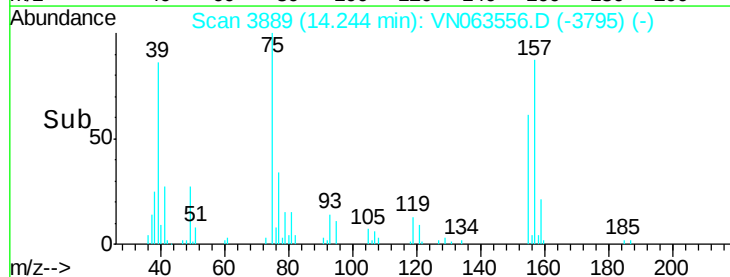
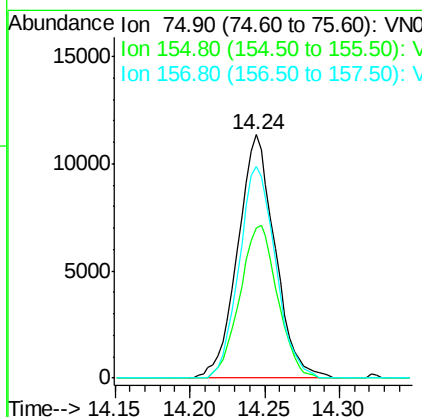
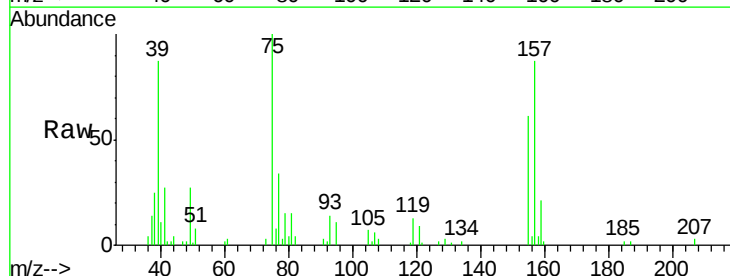
Manual Integrations
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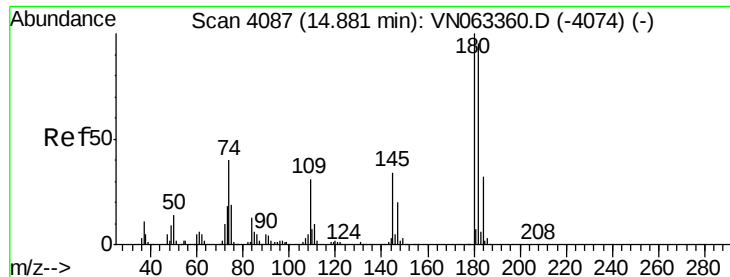
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.357 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.1	34.6	103.9
157	84.9	43.7	131.1





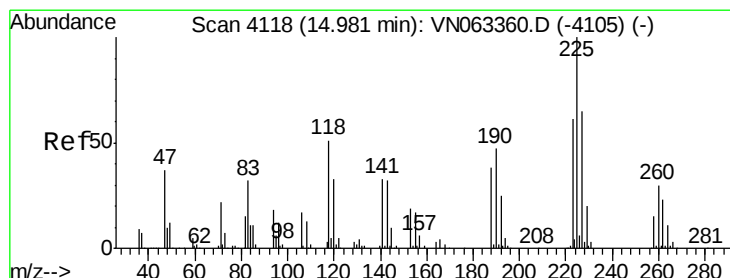
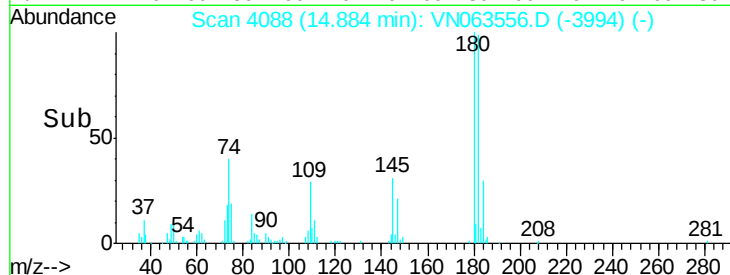
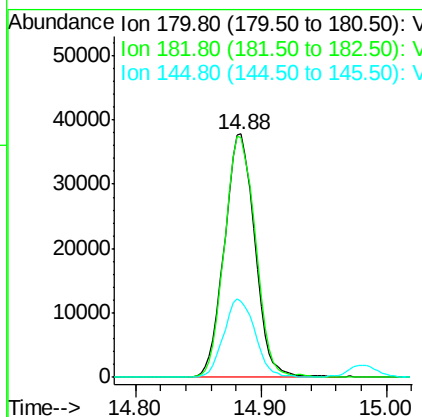
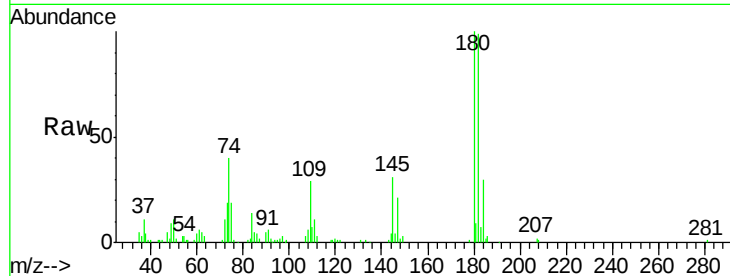
#93
 1,2,4-Trichlorobenzene
 Concen: 18.172 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.2	47.3	142.0	
145	32.9	16.6	49.7	

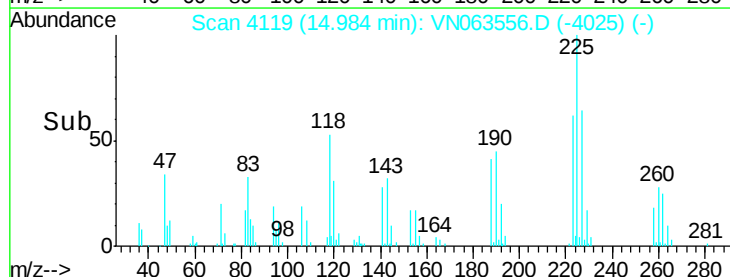
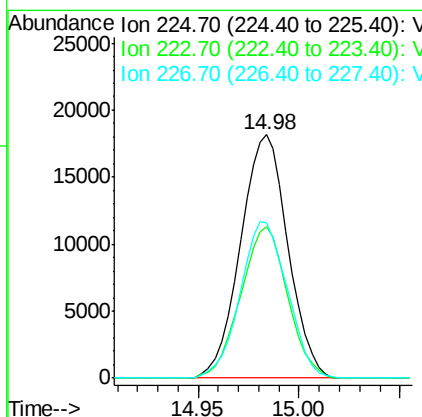
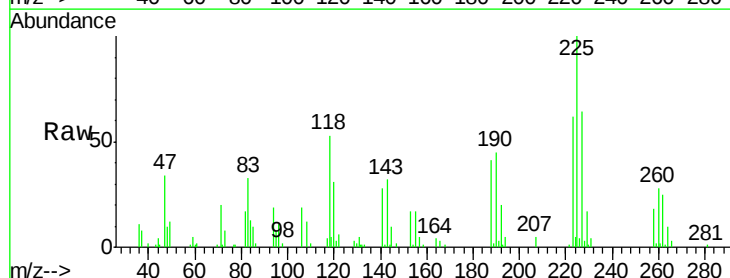
Manual Integrations
 APPROVED

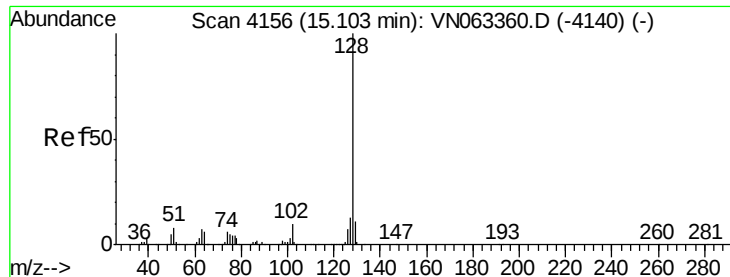
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.454 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063556.D
 Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	30.6	91.6	
227	63.9	31.2	93.6	





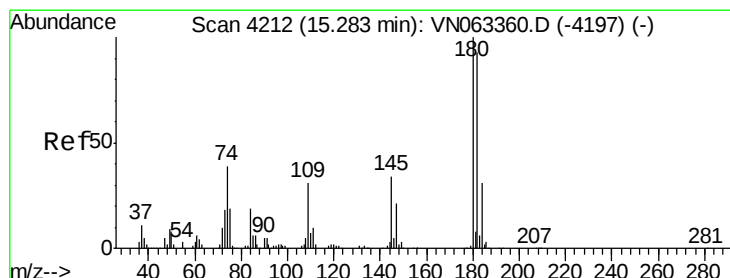
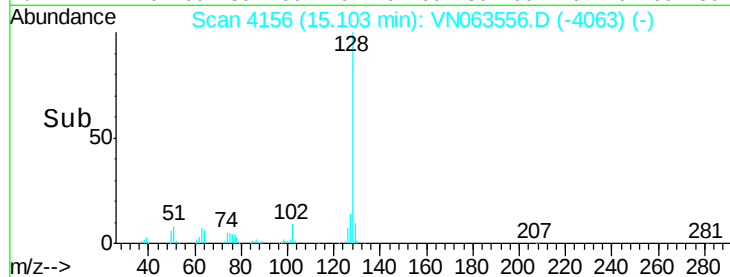
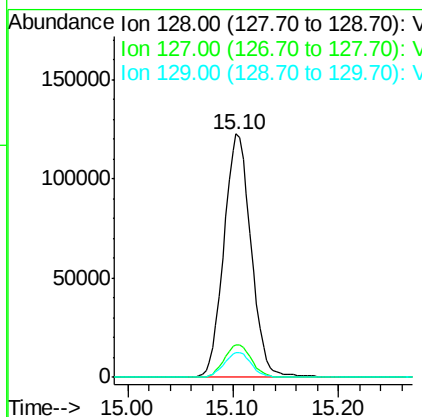
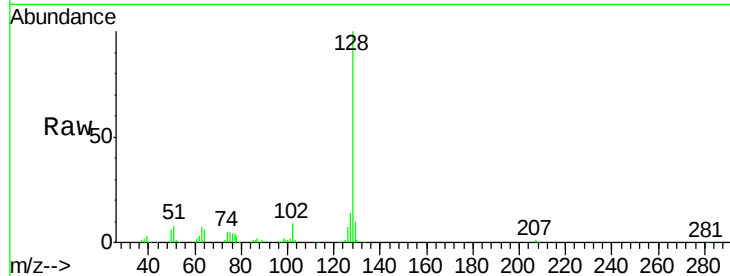
#95
Naphthalene
Concen: 18.811 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.3	8.8	13.2

Manual Integrations
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9/23/2020 1:06:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.237 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063556.D
Acq: 23 Sep 2020 1:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	33.6	16.8	50.3

