

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061350.D
 Acq On : 8 May 2020 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:33 PM

Quant Time: May 11 00:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	103710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	174809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	163567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	89121	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.54	113	48277	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	10.06	98	234812	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.38	95	89802	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	54349	49.419	ug/l	99
3) Chloromethane	2.03	50	70877	53.213	ug/l	99
4) Vinyl Chloride	2.16	62	79124	52.302	ug/l	99
5) Bromomethane	2.53	94	32700	43.728	ug/l	97
6) Chloroethane	2.67	64	48308	50.379	ug/l	99
7) Trichlorofluoromethane	2.98	101	101838	59.666	ug/l	100
8) Diethyl Ether	3.37	74	41069	57.687	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	60009	54.575	ug/l	99
10) Methyl Iodide	3.91	142	58793	41.605	ug/l	99
11) Tert butyl alcohol	4.72	59	59401	270.218	ug/l	100
12) 1,1-Dichloroethene	3.69	96	54925	50.195	ug/l	97
13) Acrolein	3.56	56	31698	216.379	ug/l	96
14) Allyl chloride	4.27	41	122299	60.279	ug/l	99
15) Acrylonitrile	4.92	53	186664	276.618	ug/l	99
16) Acetone	3.77	43	198846	314.743	ug/l	99
17) Carbon Disulfide	4.00	76	109154	36.112	ug/l	100
18) Methyl Acetate	4.27	43	102778	49.621	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	222421	53.196	ug/l	99
20) Methylene Chloride	4.50	84	66242	51.768	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	60738	50.976	ug/l	98
22) Diisopropyl ether	5.90	45	260826	55.438	ug/l	97
23) Vinyl Acetate	5.84	43	1044914	275.831	ug/l	100
24) 1,1-Dichloroethane	5.79	63	131355	53.436	ug/l	99
25) 2-Butanone	6.78	43	282934	291.372	ug/l	98
26) 2,2-Dichloropropane	6.77	77	116370	56.204	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	72914	52.146	ug/l	97
28) Bromochloromethane	7.15	49	65512	56.227	ug/l	96
29) Tetrahydrofuran	7.16	42	176346	269.596	ug/l	99
30) Chloroform	7.32	83	128954	51.766	ug/l	98
31) Cyclohexane	7.61	56	109015	45.665	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	110855	51.103	ug/l	99
36) 1,1-Dichloropropene	7.75	75	94786	54.166	ug/l	99
37) Ethyl Acetate	6.88	43	115073	56.092	ug/l	99
38) Carbon Tetrachloride	7.73	117	86687	54.098	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	94497	48.152	ug/l	97
40) Benzene	8.00	78	275024	52.753	ug/l	100
41) Methacrylonitrile	7.12	41	45927	53.919	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	109957	55.673	ug/l	99
43) Isopropyl Acetate	8.12	43	188650	55.409	ug/l	99
44) Trichloroethene	8.80	130	69705	49.459	ug/l	99
45) 1,2-Dichloropropane	9.08	63	76782	55.127	ug/l	97
46) Dibromomethane	9.17	93	46991	54.489	ug/l	99
47) Bromodichloromethane	9.37	83	104420	56.412	ug/l	97
48) Methyl methacrylate	9.16	41	87254	56.792	ug/l	97
49) 1,4-Dioxane	9.16	88	18081	1036.775	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	574587	286.713	ug/l	99
52) Toluene	10.12	92	170476	54.288	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	116826	56.012	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	123546	56.029	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	67534	53.918	ug/l	99
56) Ethyl methacrylate	10.40	69	111485	51.019	ug/l	98
57) 1,3-Dichloropropane	10.68	76	123134	55.928	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	263560	259.956	ug/l	99
59) 2-Hexanone	10.72	43	434556	298.053	ug/l	100
60) Dibromochloromethane	10.87	129	73269	55.852	ug/l	99
61) 1,2-Dibromoethane	10.98	107	68202	54.326	ug/l	99
64) Tetrachloroethene	10.60	164	67268	47.483	ug/l	99
65) Chlorobenzene	11.41	112	174224	53.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	66683	57.422	ug/l	99
67) Ethyl Benzene	11.48	91	333334	54.880	ug/l	99
68) m/p-Xylenes	11.60	106	243730	109.629	ug/l	98
69) o-Xylene	11.92	106	114691	53.706	ug/l	97
70) Styrene	11.94	104	202404	56.628	ug/l	99
71) Bromoform	12.10	173	50068	58.663	ug/l #	99
73) Isopropylbenzene	12.22	105	316891	53.978	ug/l	100
74) N-amyl acetate	12.04	43	165039	55.516	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	100117	54.692	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	92052m	54.675	ug/l	
77) Bromobenzene	12.50	156	73072	53.919	ug/l	97
78) n-propylbenzene	12.57	91	381475	54.783	ug/l	99
79) 2-Chlorotoluene	12.65	91	223664	54.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	267447	55.042	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	37925	57.204	ug/l	99
82) 4-Chlorotoluene	12.75	91	239590	55.541	ug/l	99
83) tert-Butylbenzene	12.97	119	217192	53.011	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	269660	53.867	ug/l	100
85) sec-Butylbenzene	13.15	105	295408	52.884	ug/l	99
86) p-Isopropyltoluene	13.26	119	270782	53.803	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	135225	54.201	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	136012	53.357	ug/l	99
89) n-Butylbenzene	13.59	91	250992	54.400	ug/l	99
90) Hexachloroethane	13.85	117	36183	66.040	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	130056	54.367	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21332	55.176	ug/l	98

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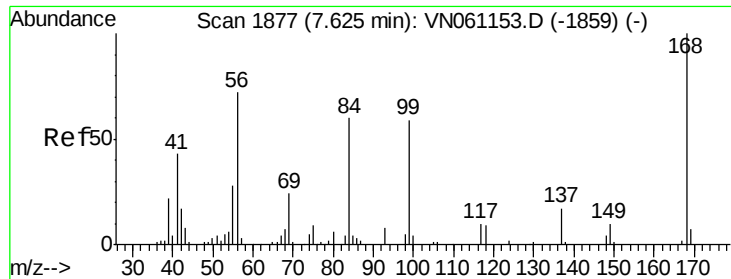
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	75500	51.829	ug/l	99
94) Hexachlorobutadiene	14.98	225	33636	55.271	ug/l	99
95) Naphthalene	15.10	128	237670	50.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	73186	50.887	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 103710

Ion Ratio Lower Upper

168 100

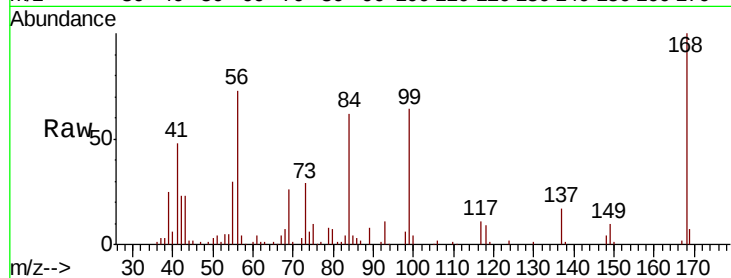
99 64.4 51.2 76.8

Manual Integrations

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5/11/2020 12:36:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

40000

30000

20000

10000

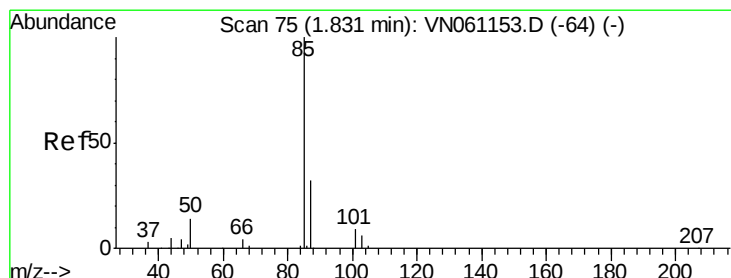
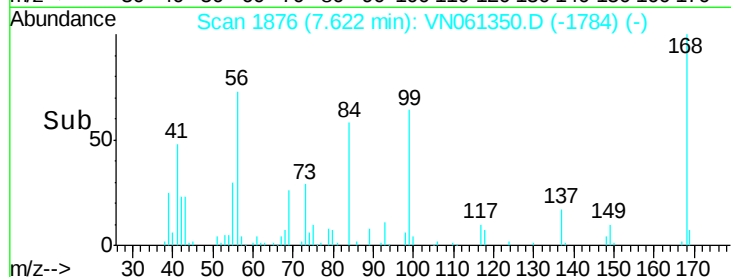
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.419 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061350.D

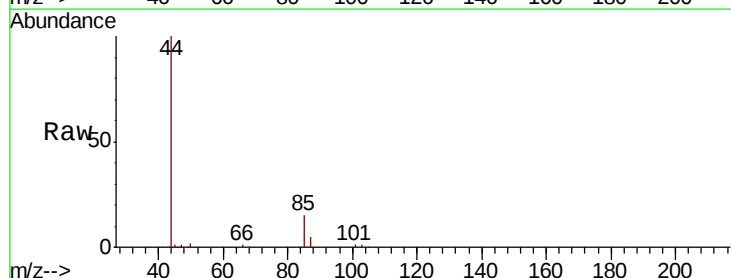
Acq: 8 May 2020 10:04

Tgt Ion: 85 Resp: 54349

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.2



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

0

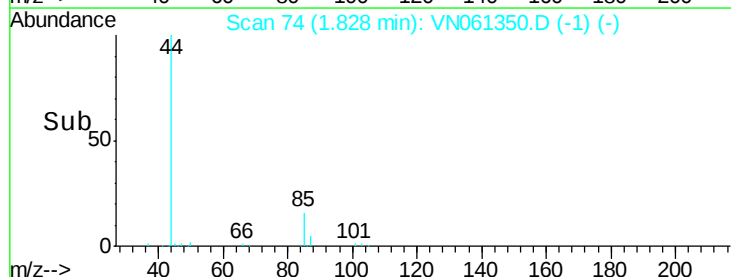
1.75

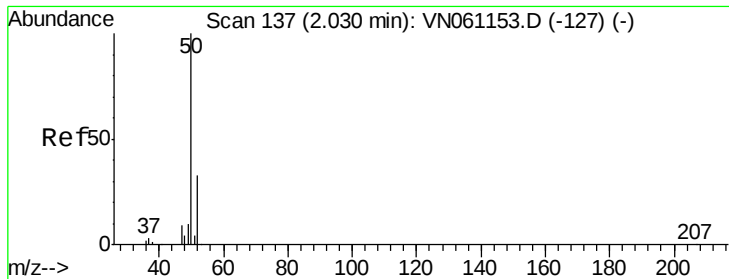
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 53.213 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 70877

Ion Ratio Lower Upper

50 100

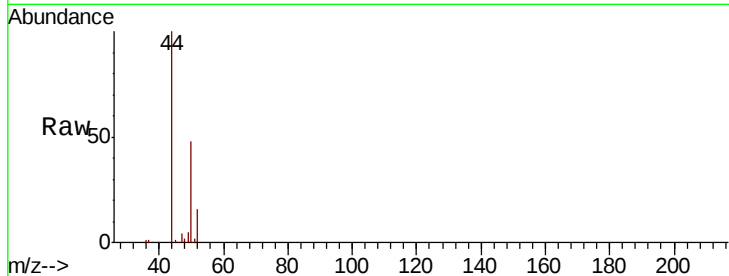
52 32.8 26.0 39.0

Manual Integrations

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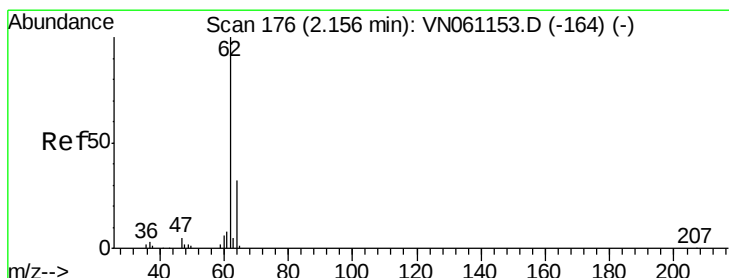
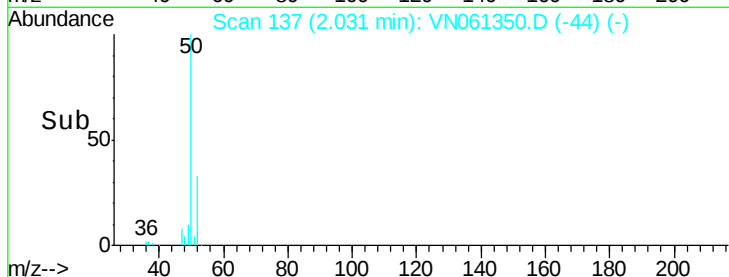
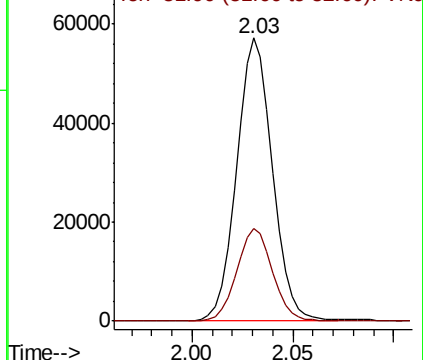
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 52.302 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061350.D

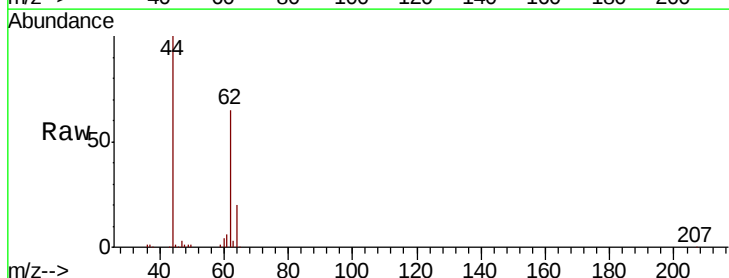
Acq: 8 May 2020 10:04

Tgt Ion: 62 Resp: 79124

Ion Ratio Lower Upper

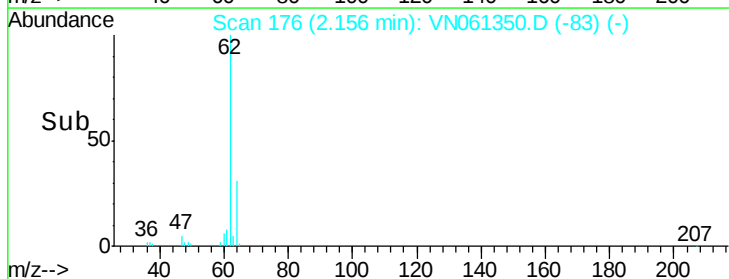
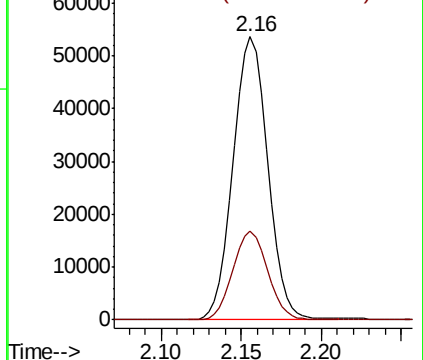
62 100

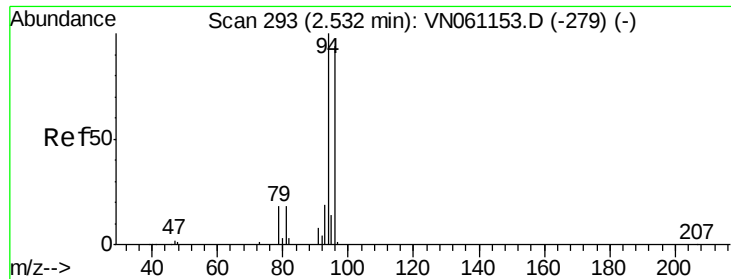
64 31.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.728 ug/l

RT: 2.53 min Scan# 291

Delta R.T. -0.01 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 32700

Ion Ratio Lower Upper

94 100

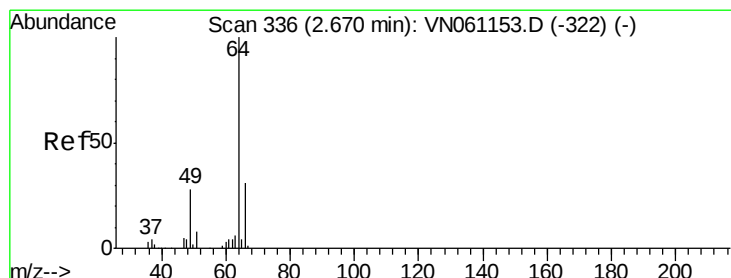
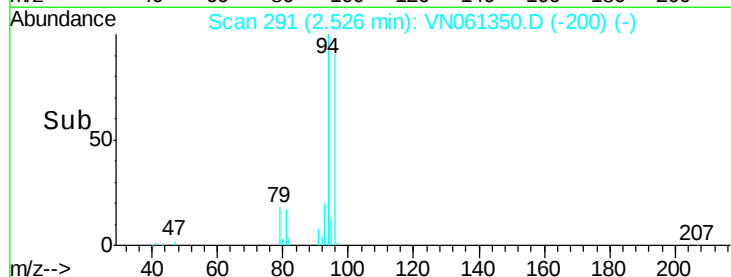
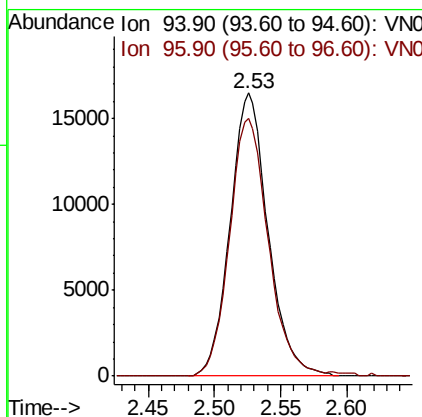
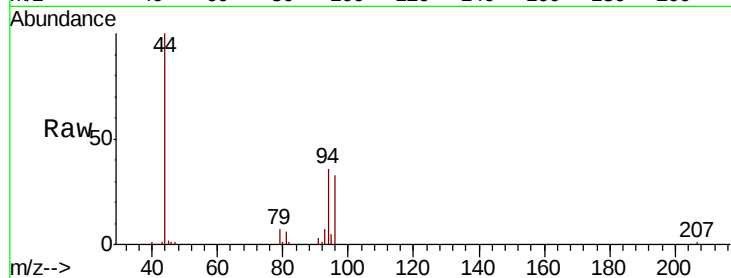
96 91.3 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 50.379 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061350.D

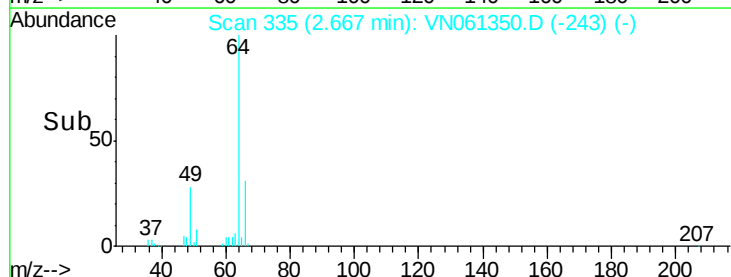
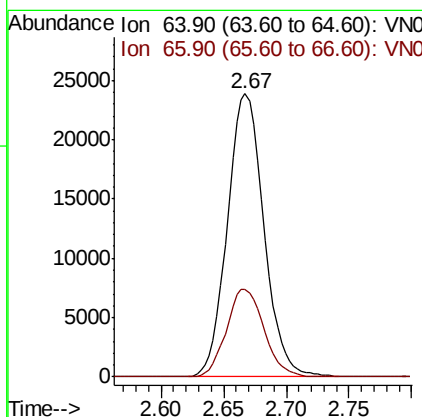
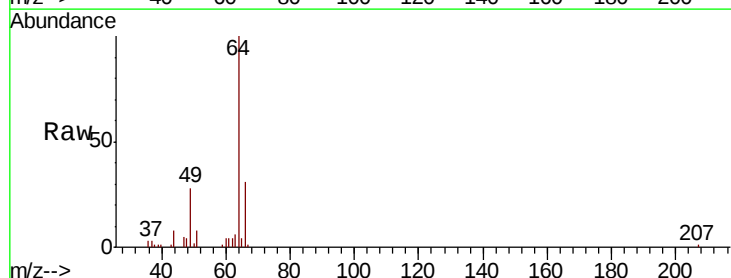
Acq: 8 May 2020 10:04

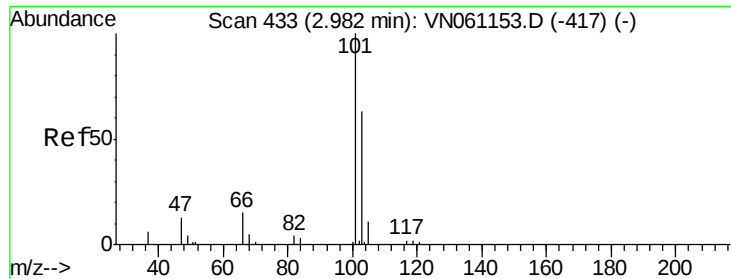
Tgt Ion: 64 Resp: 48308

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8





#7

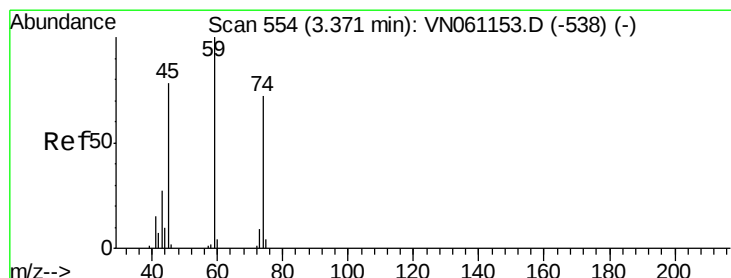
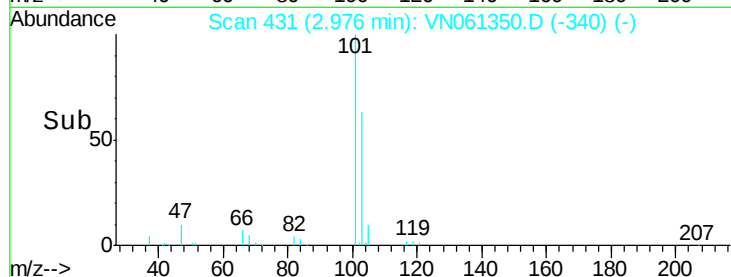
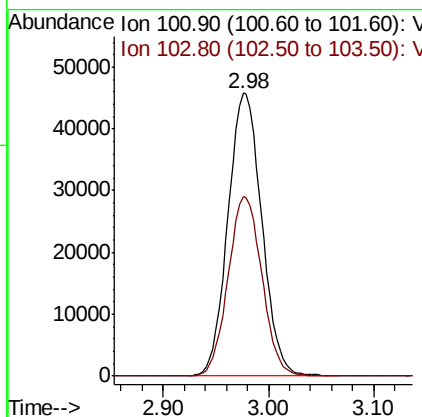
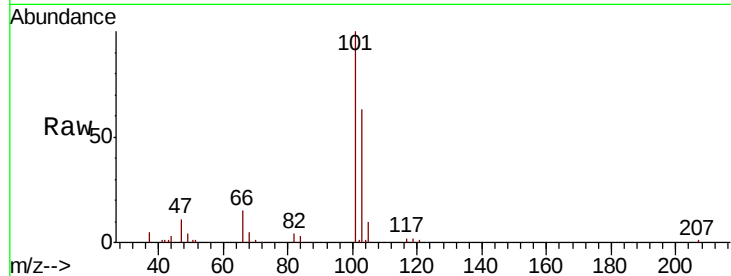
Trichlorofluoromethane
Concen: 59.666 ug/l
RT: 2.98 min Scan# 431
Delta R.T. -0.01 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.6	76.0

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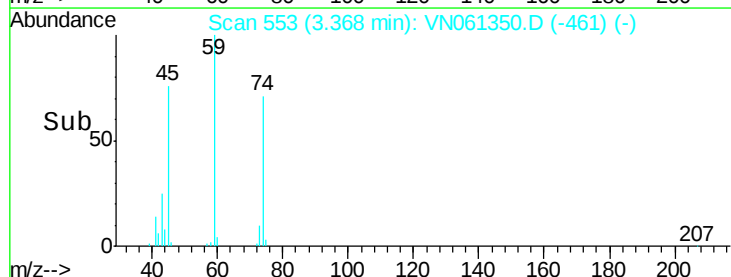
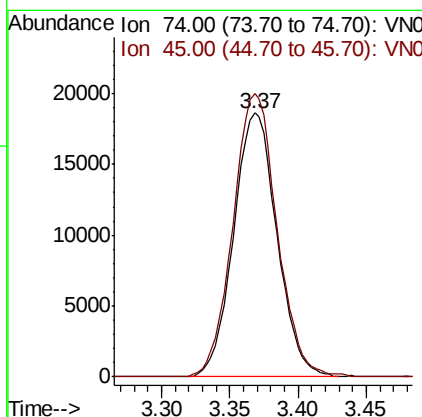
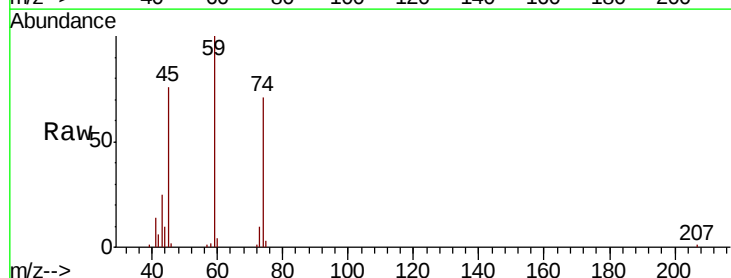
MMDadoda
5/11/2020 12:36:33 PM

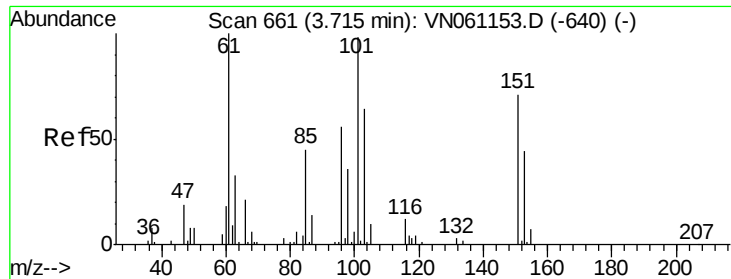


#8

Diethyl Ether
Concen: 57.687 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.575 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

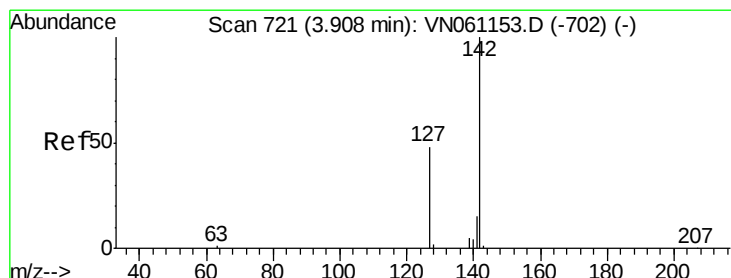
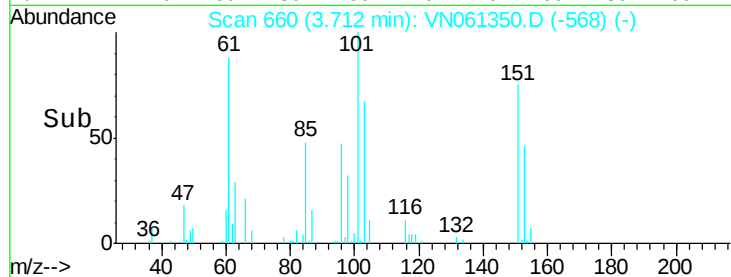
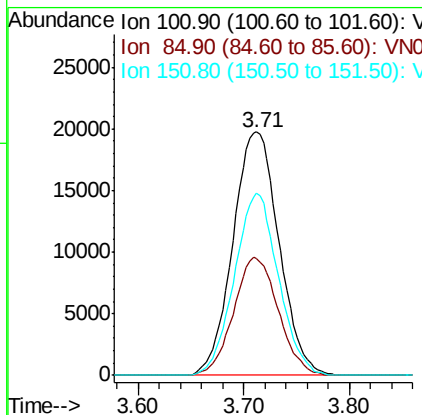
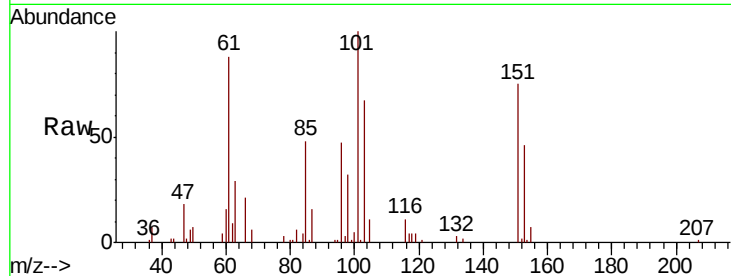
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	60009
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.2	55.8
151	71.4	57.7	86.5

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#10

Methyl Iodide

Concen: 41.605 ug/l

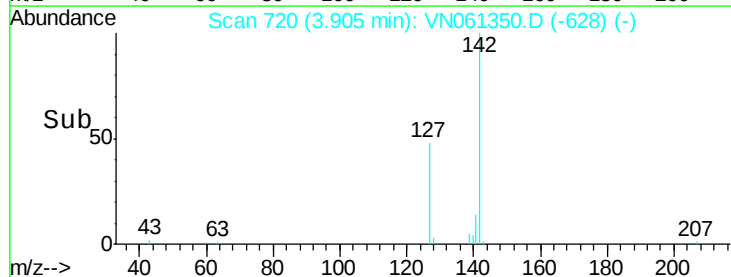
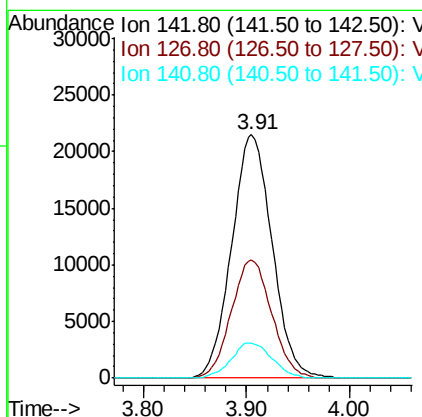
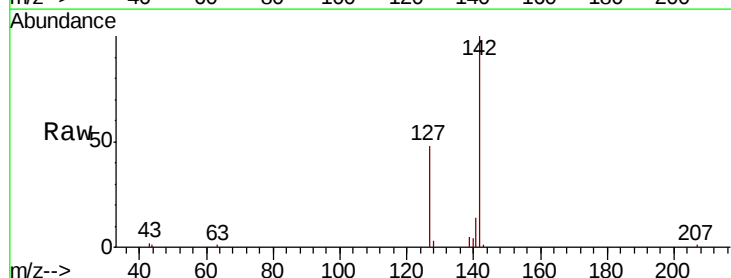
RT: 3.91 min Scan# 720

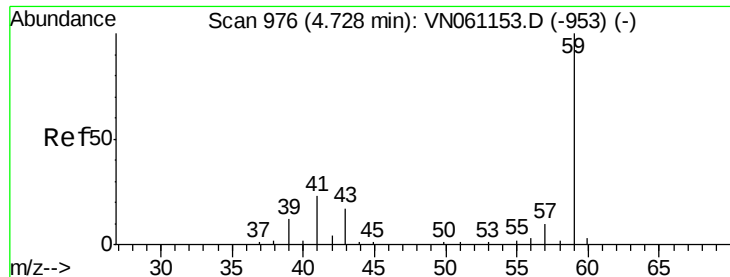
Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Tgt Ion:	142	Resp:	58793
Ion Ratio	Lower	Upper	
142	100		
127	48.3	38.0	57.0
141	14.5	11.7	17.5





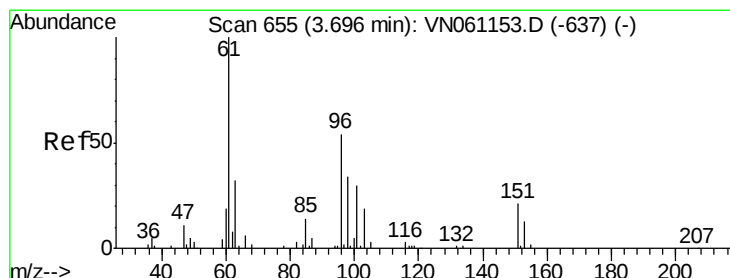
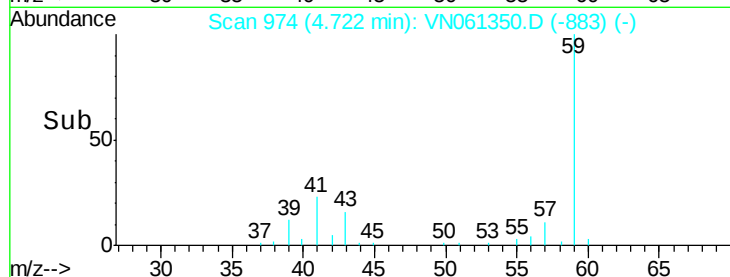
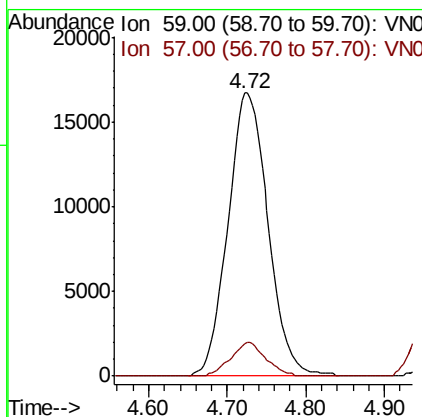
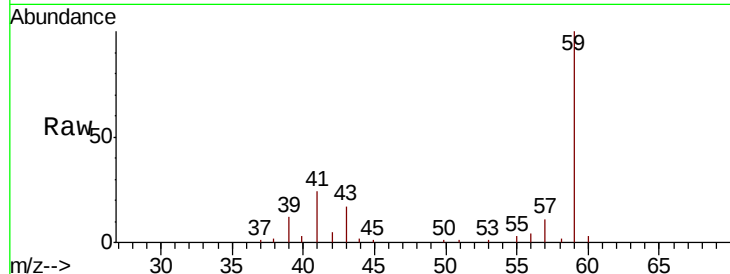
#11
Tert butyl alcohol
Concen: 270.218 ug/l
RT: 4.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59401		
57	10.4		8.3	12.5

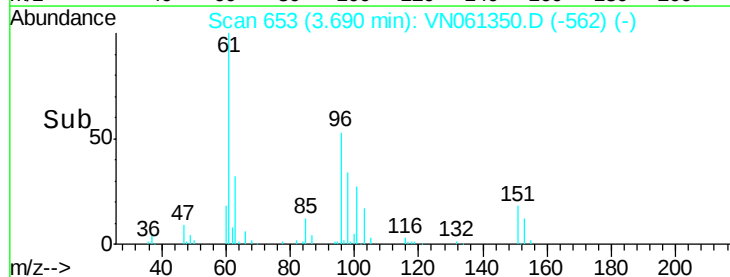
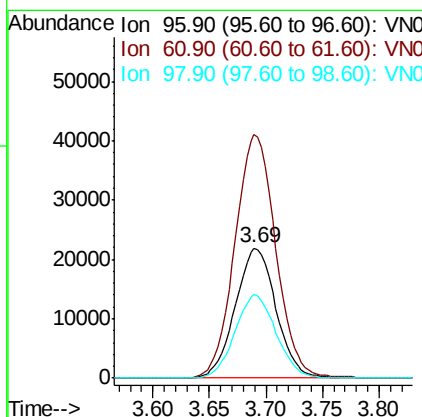
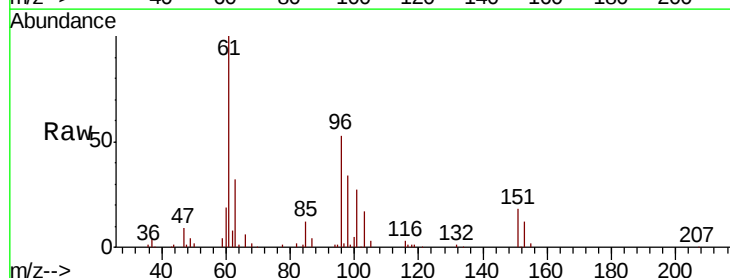
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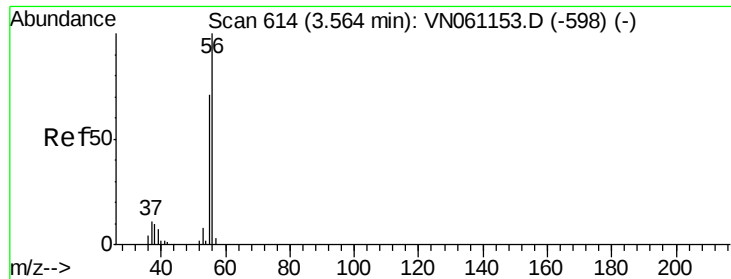
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.195 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54925		
61	187.7		147.0	220.6
98	64.3		49.8	74.6





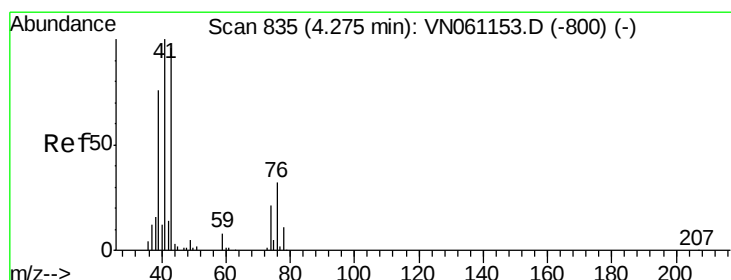
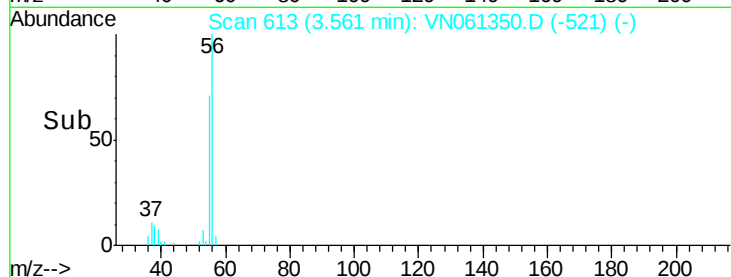
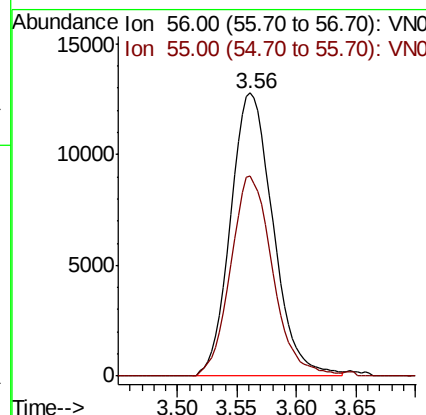
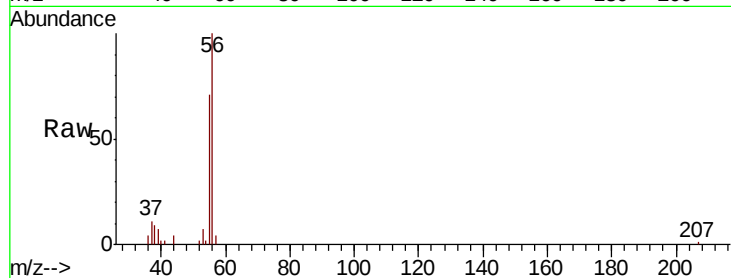
#13
Acrolein
Concen: 216.379 ug/l
RT: 3.56 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	31698
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	58.5	87.7

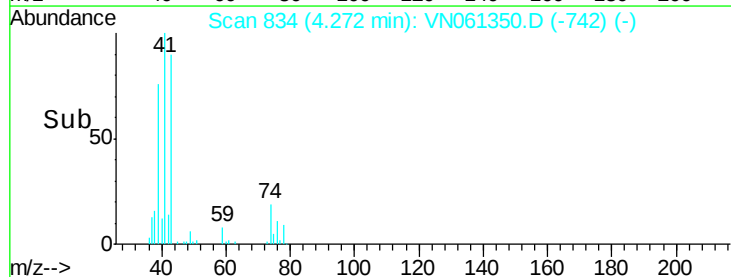
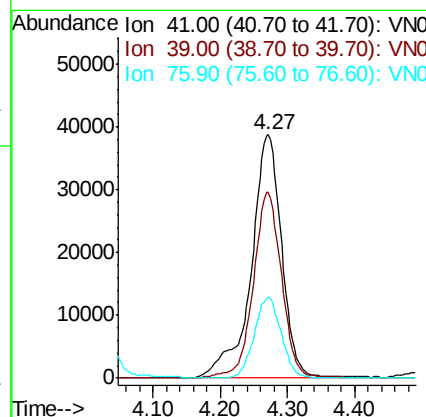
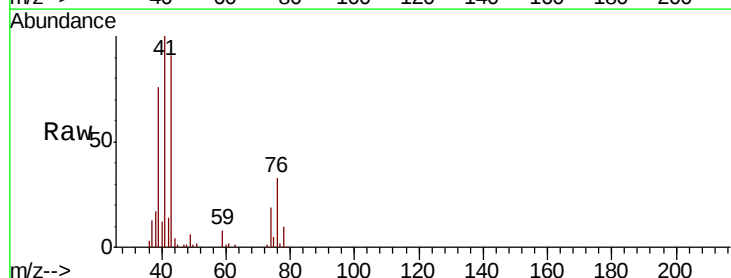
Manual Integrations
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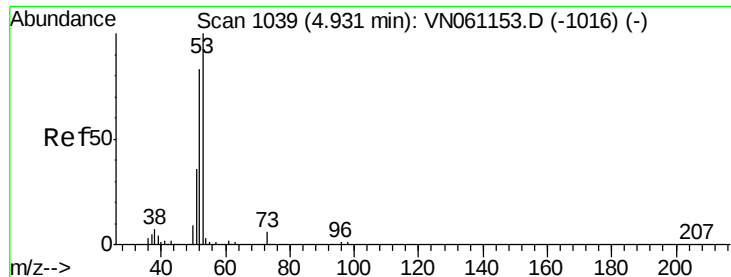
MMDadoda
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#14
Allyl chloride
Concen: 60.279 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	41	Resp	122299
Ion Ratio	100	Lower	Upper
41	100		
39	70.5	57.1	85.7
76	29.3	24.3	36.5





#15

Acrylonitrile

Concen: 276.618 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

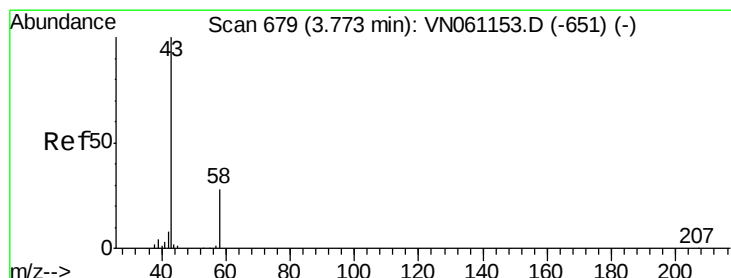
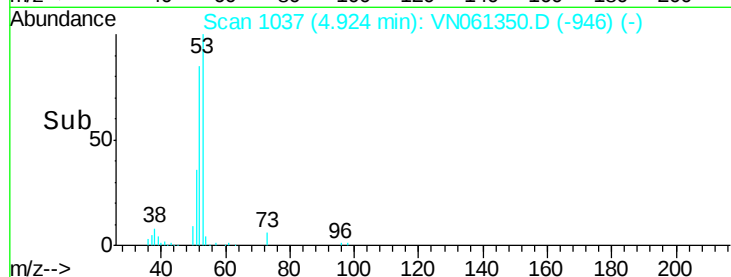
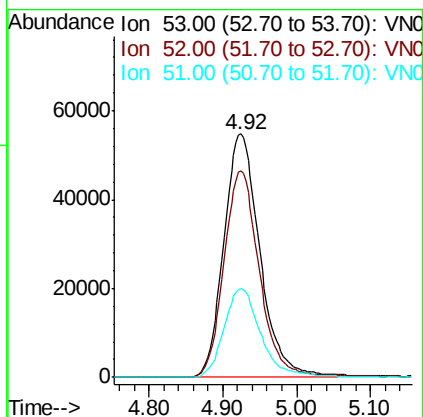
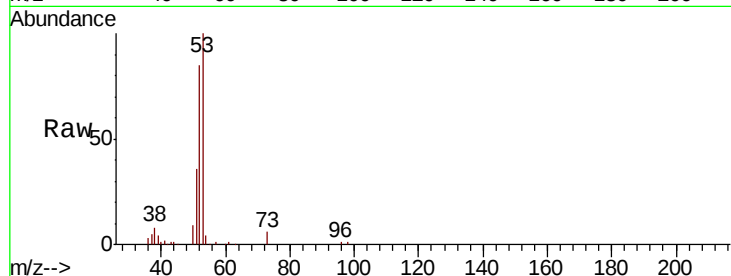
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	186664
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.4	98.0
51	37.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 314.743 ug/l

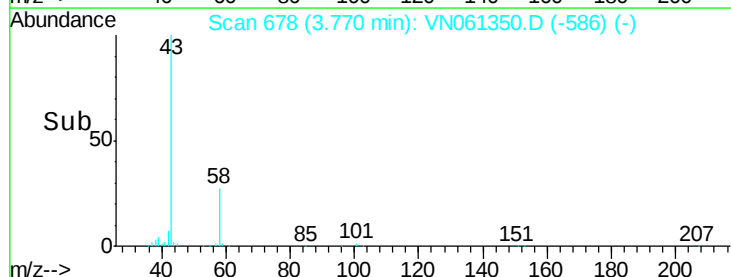
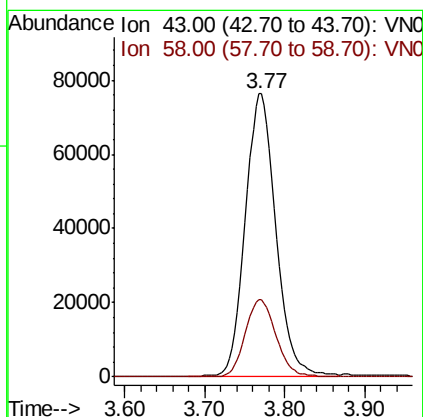
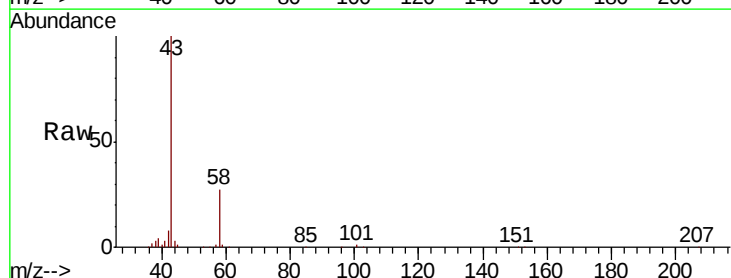
RT: 3.77 min Scan# 678

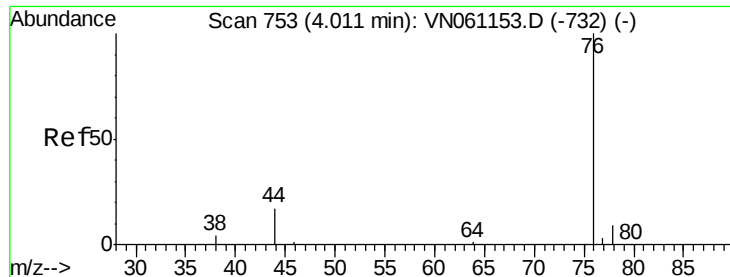
Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Tgt Ion:	43	Resp:	198846
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.2	33.2





#17

Carbon Disulfide

Concen: 36.112 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 109154

Ion Ratio Lower Upper

76 100

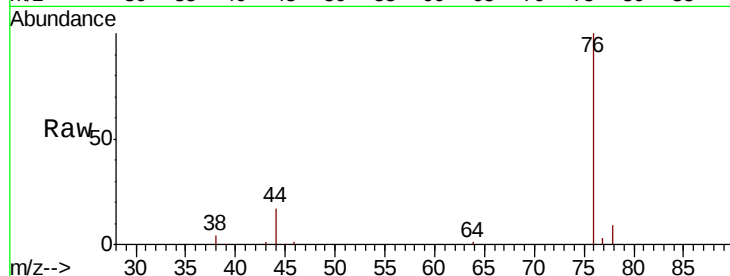
78 8.9 7.2 10.8

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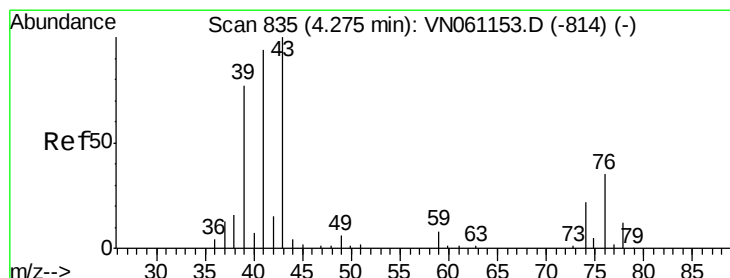
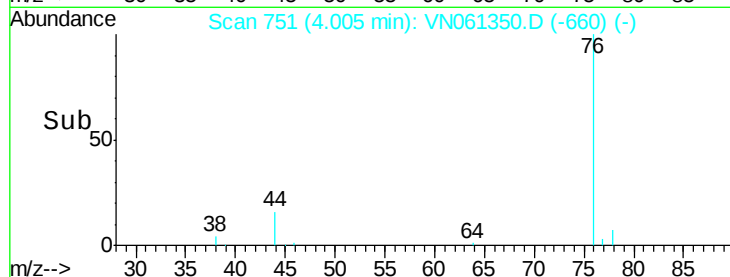
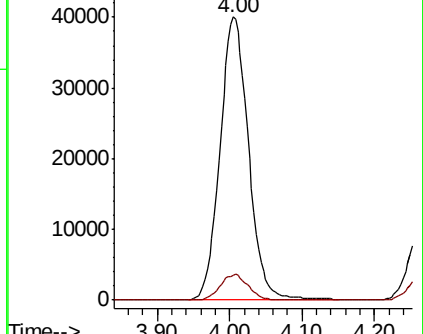
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 49.621 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061350.D

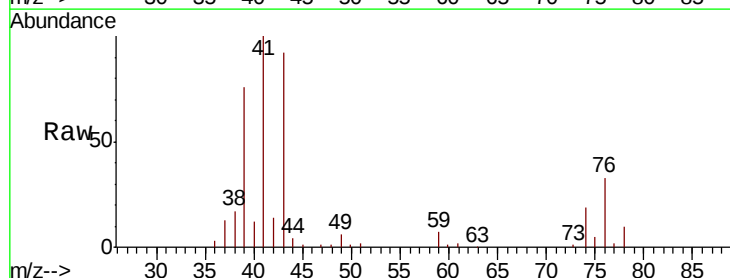
Acq: 8 May 2020 10:04

Tgt Ion: 43 Resp: 102778

Ion Ratio Lower Upper

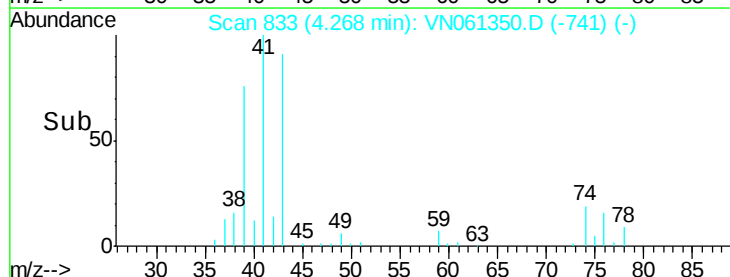
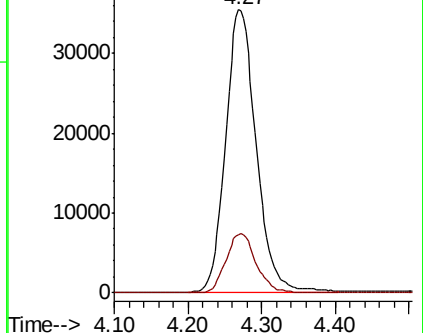
43 100

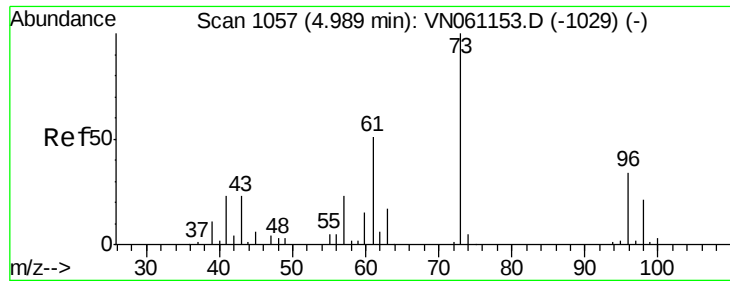
74 20.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





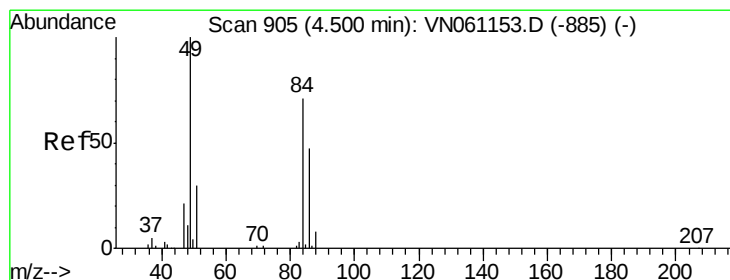
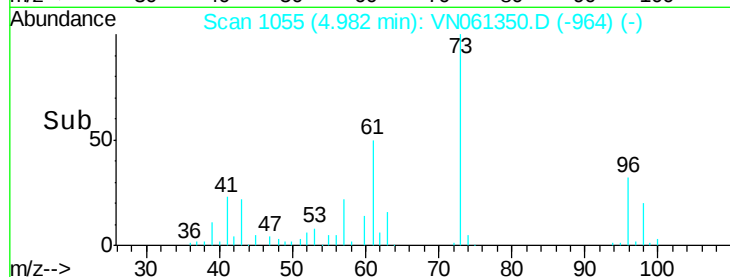
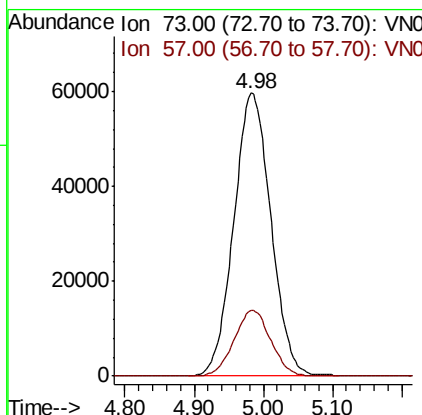
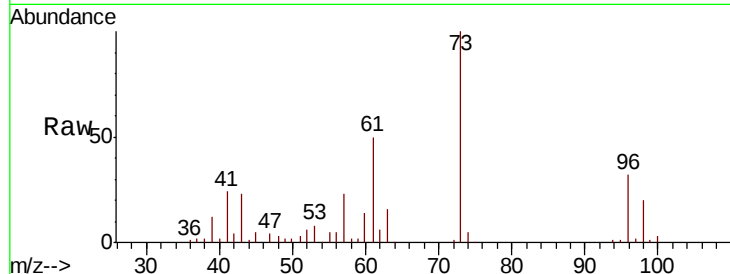
#19
Methvl tert-butvl Ether
Concen: 53.196 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 222421
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

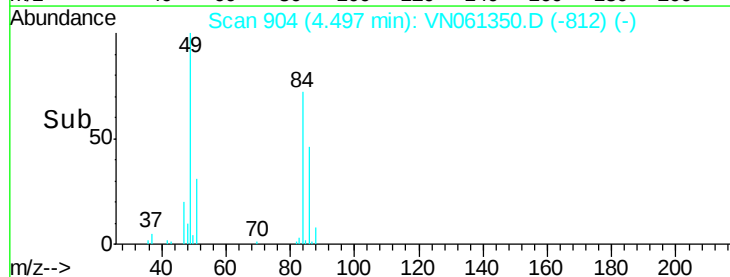
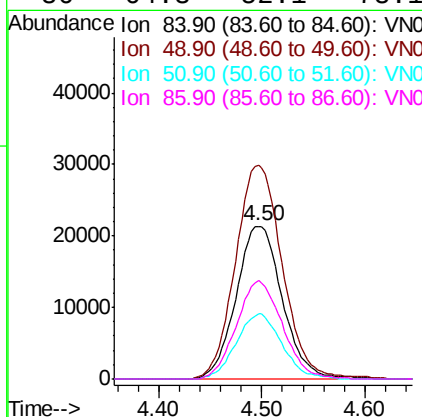
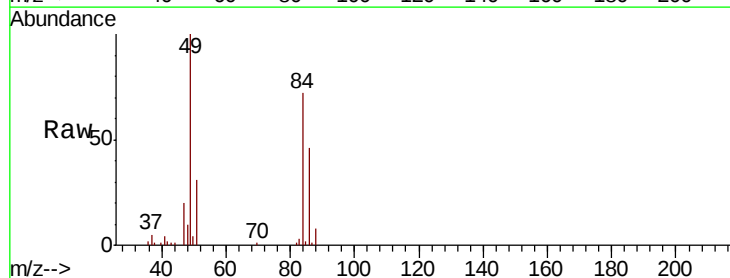
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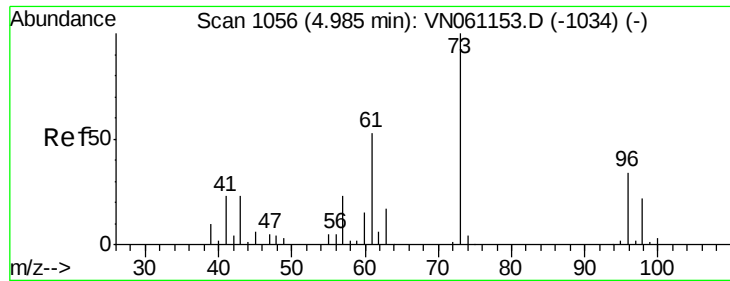
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#20
Methylene Chloride
Concen: 51.768 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion: 84 Resp: 66242
Ion Ratio Lower Upper
84 100
49 139.8 112.0 168.0
51 43.1 33.6 50.4
86 64.3 52.1 78.1





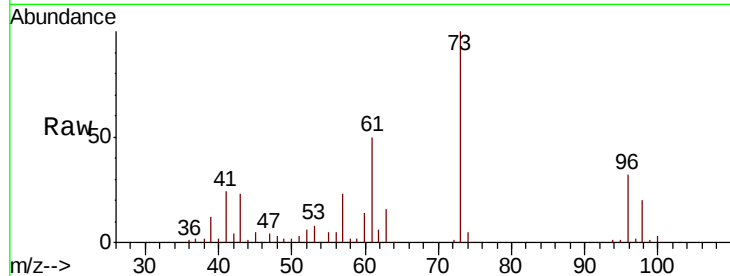
#21
trans-1,2-Dichloroethene
Concen: 50.976 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	123.0	184.4
98	63.0	50.1	75.1

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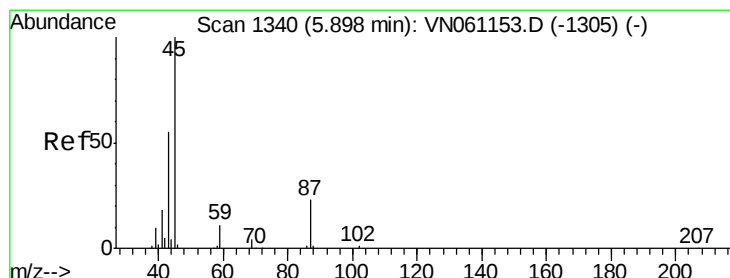
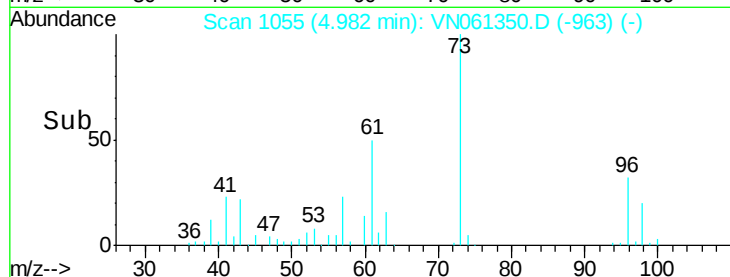
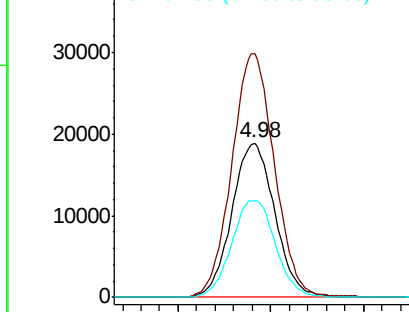


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 55.438 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	47.9	71.9
87	23.2	19.2	28.8
59	10.8	9.0	13.4

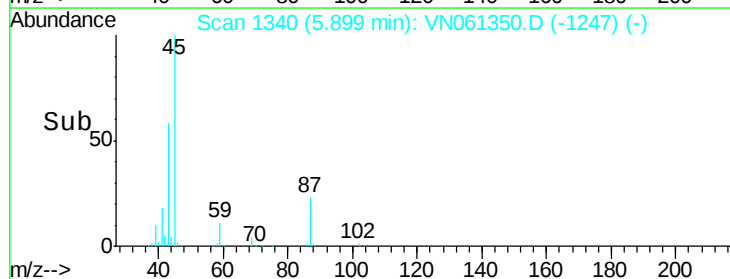
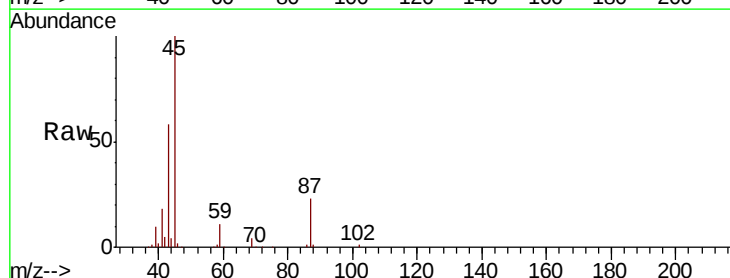
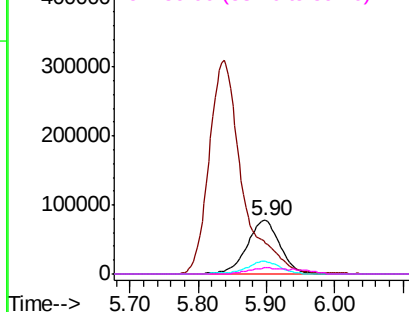
Abundance

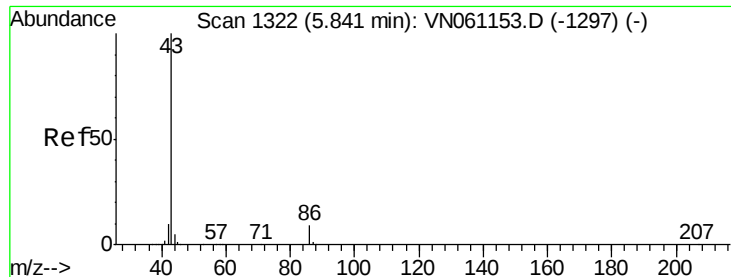
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 275.831 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1044914

Ion Ratio Lower Upper

43 100

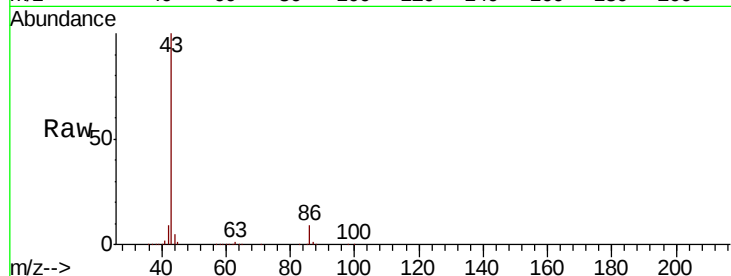
86 8.8 7.2 10.8

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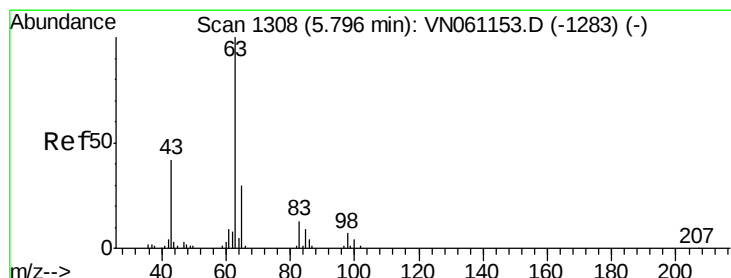
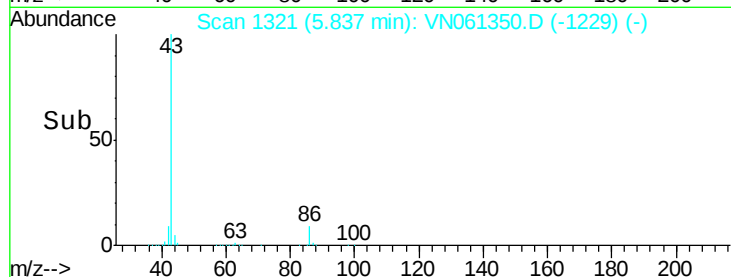
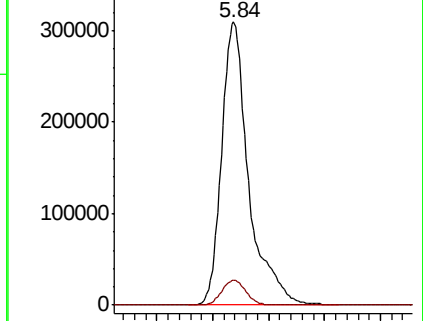
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.436 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

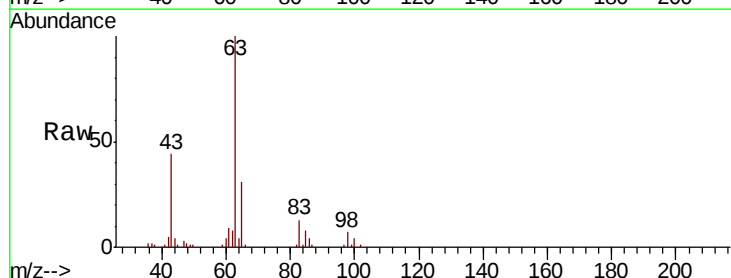
Tgt Ion: 63 Resp: 131355

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

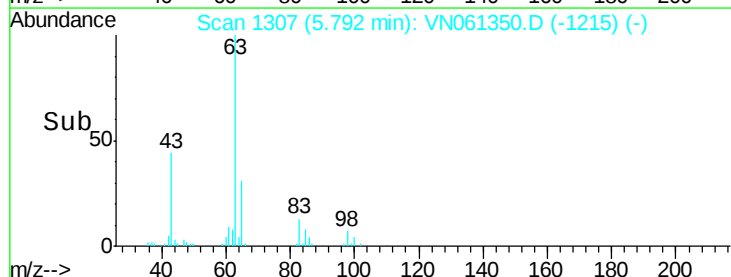
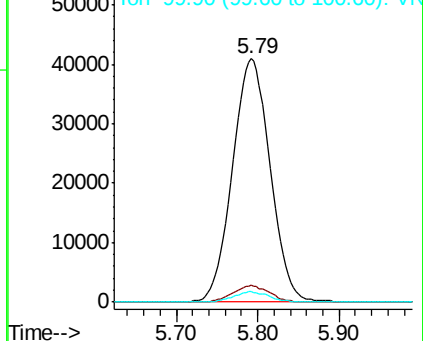
100 4.2 1.9 5.7

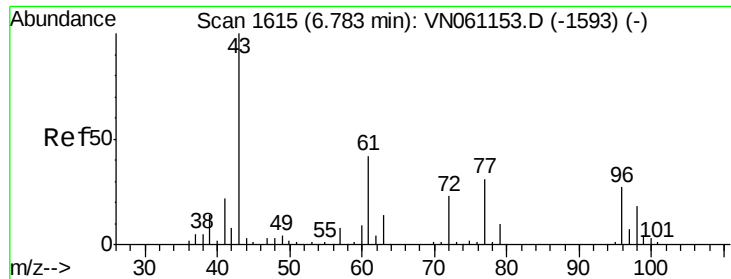


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 291.372 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 282934

Ion Ratio Lower Upper

43 100

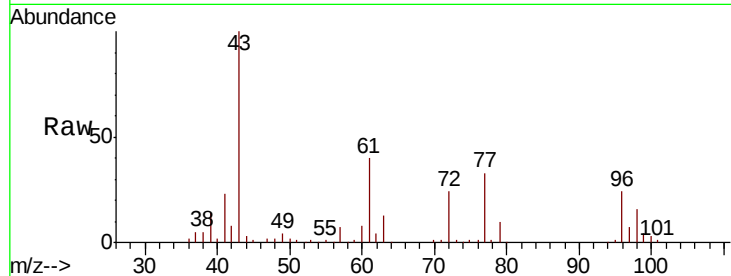
72 23.7 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1593) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1593) (-)

6.78

100000

80000

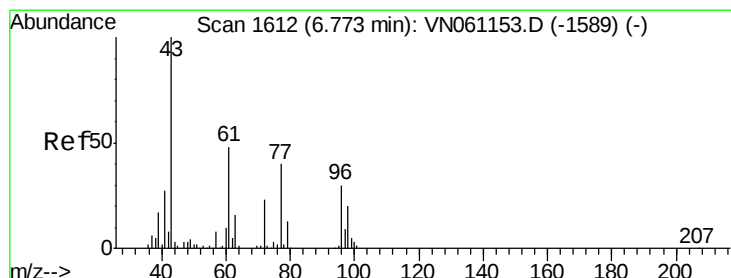
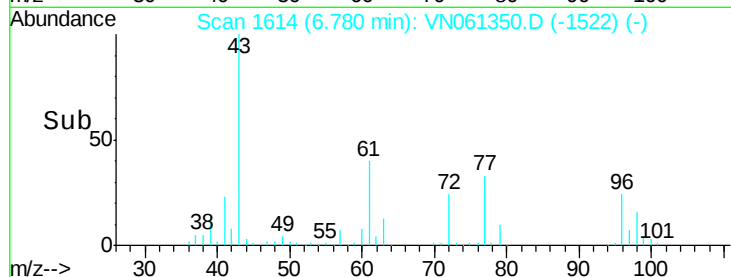
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 56.204 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061350.D

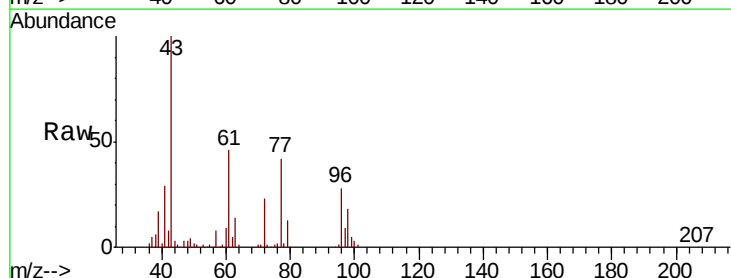
Acq: 8 May 2020 10:04

Tgt Ion: 77 Resp: 116370

Ion Ratio Lower Upper

77 100

97 20.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN061153.D (-1589) (-)

Ion 96.90 (96.60 to 97.60): VN061153.D (-1589) (-)

6.77

40000

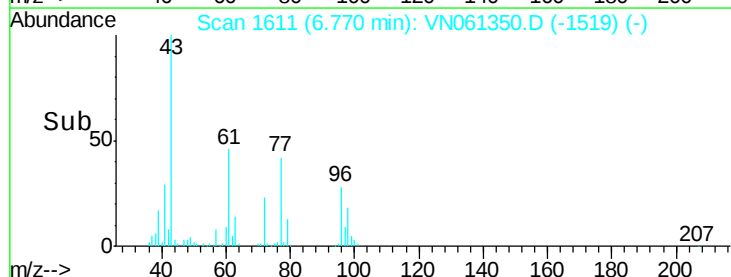
30000

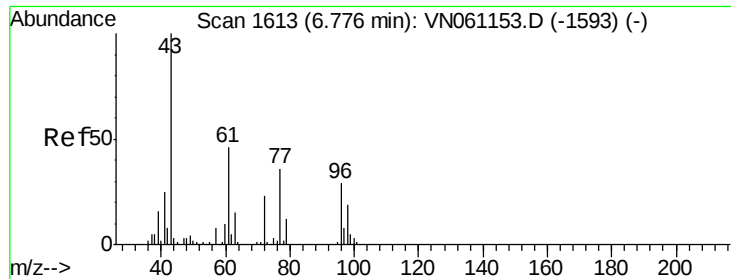
20000

10000

0

Time-->





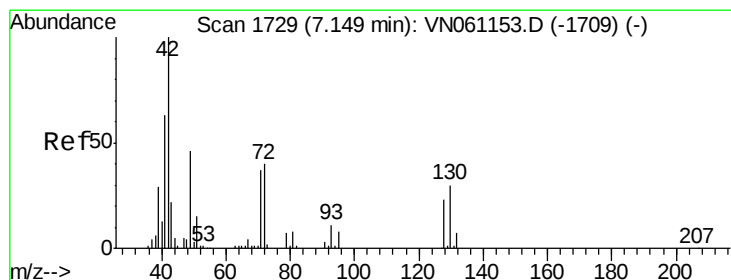
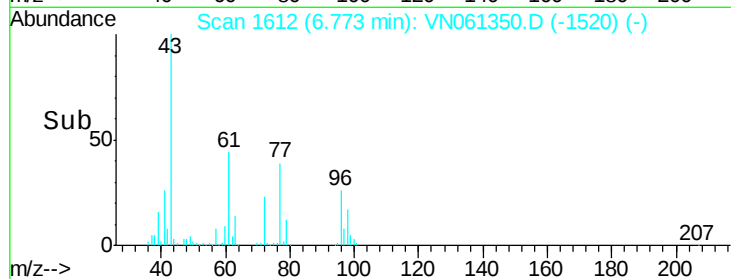
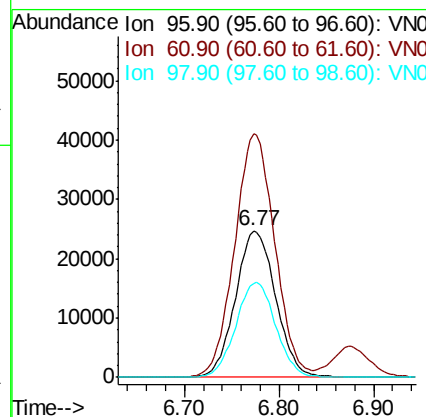
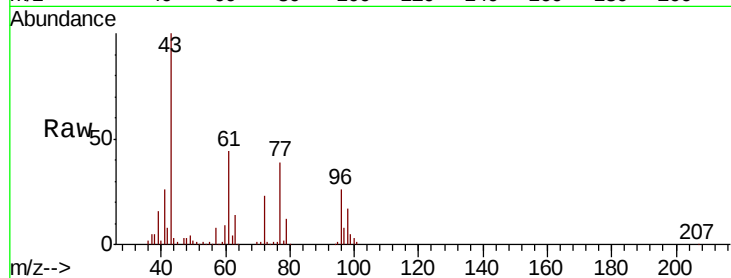
#27
 cis-1,2-Dichloroethene
 Concen: 52.146 ug/l
 RT: 6.77 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	322.0
98	64.3	0.0	129.6

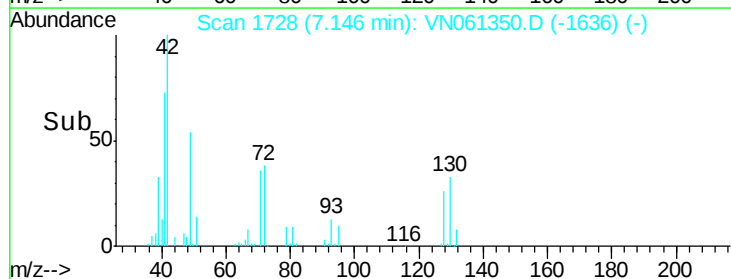
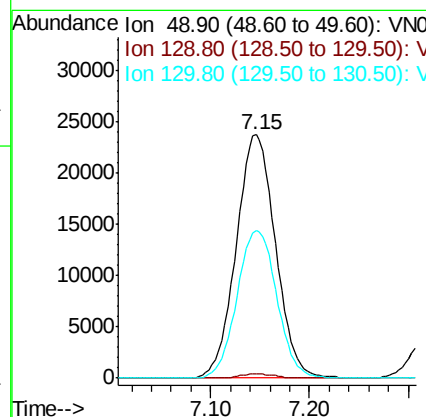
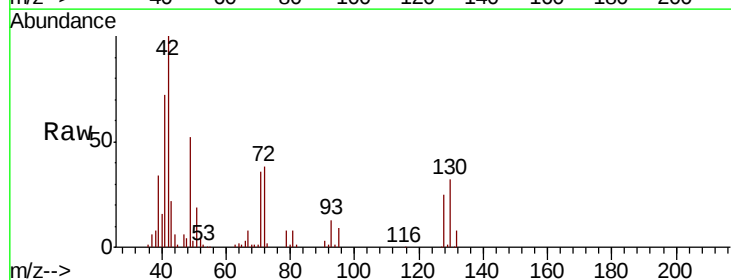
Manual Integrations
 APPROVED

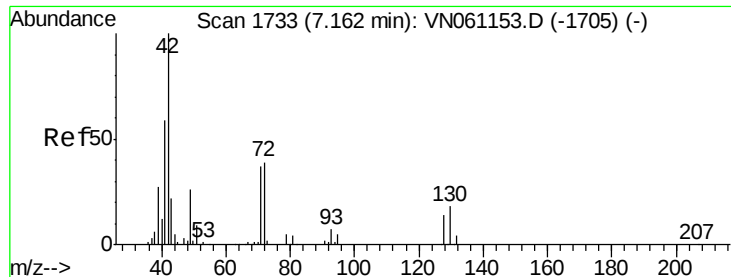
MMDadoda
 5/11/2020 12:36:33 PM



#28
 Bromochloromethane
 Concen: 56.227 ug/l
 RT: 7.15 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	61.3	51.4	77.2





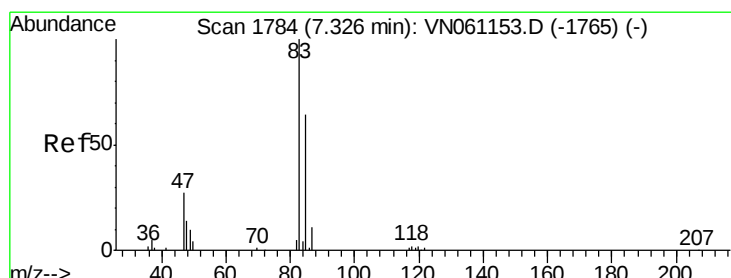
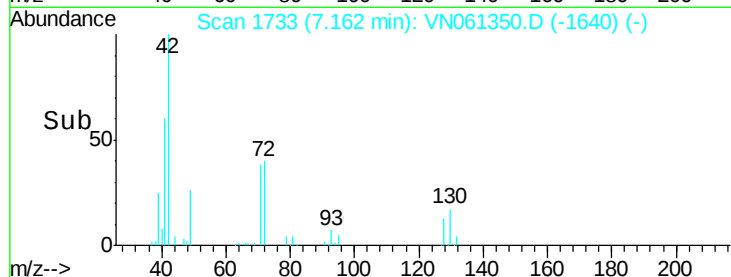
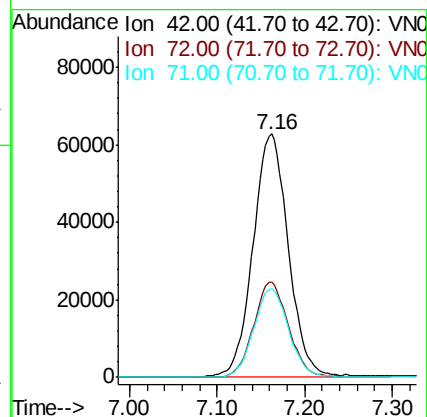
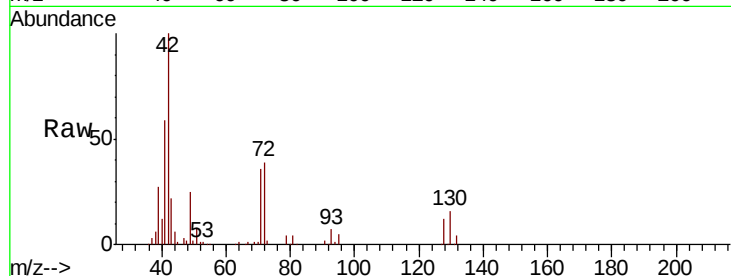
#29
Tetrahydrofuran
Concen: 269.596 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.4	47.0
71	36.1	29.5	44.3

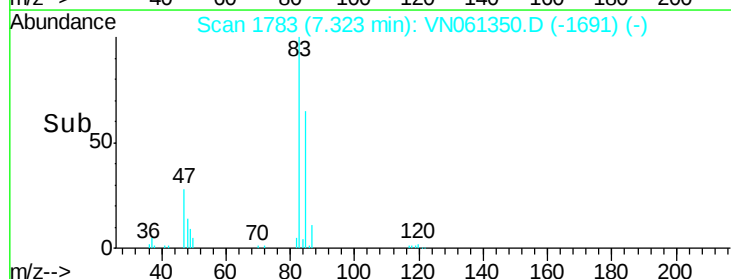
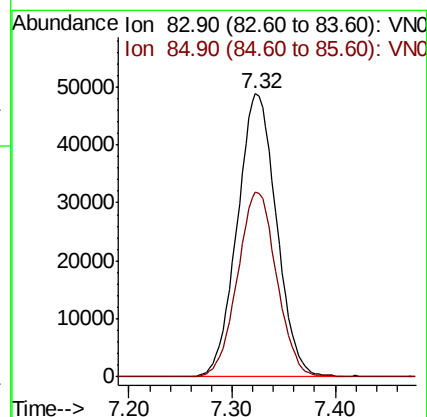
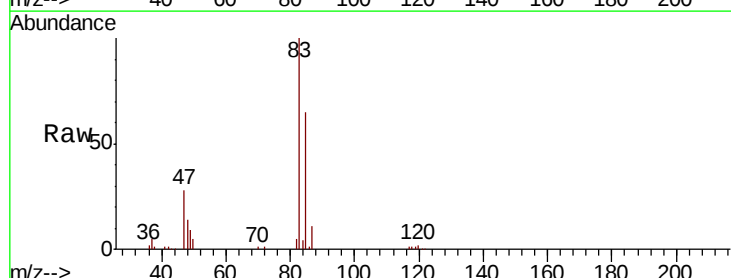
Manual Integrations
APPROVED

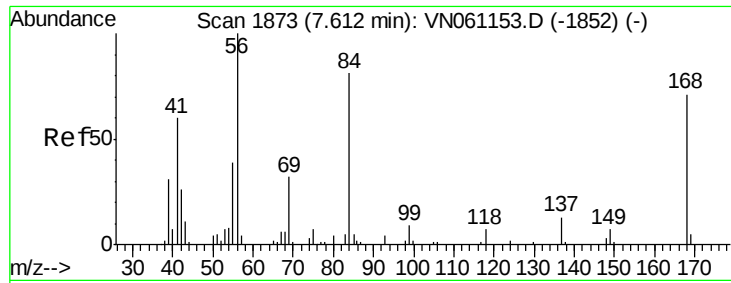
MMDadoda
5/11/2020 12:36:33 PM



#30
Chloroform
Concen: 51.766 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.1	76.7





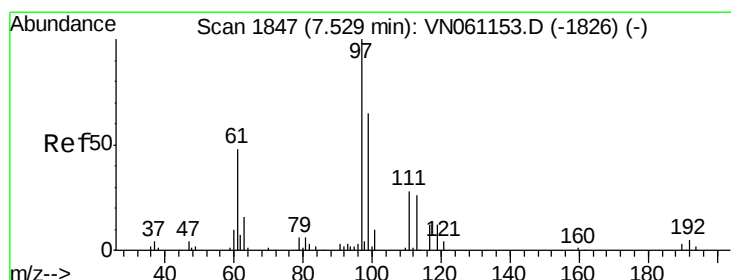
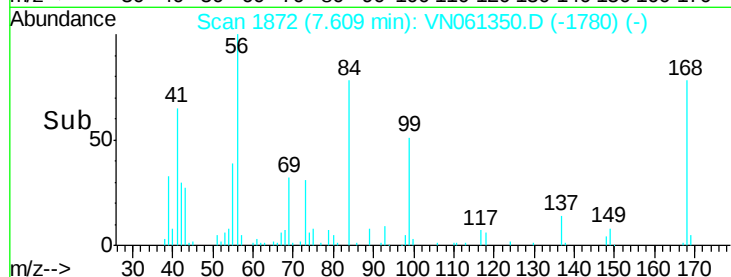
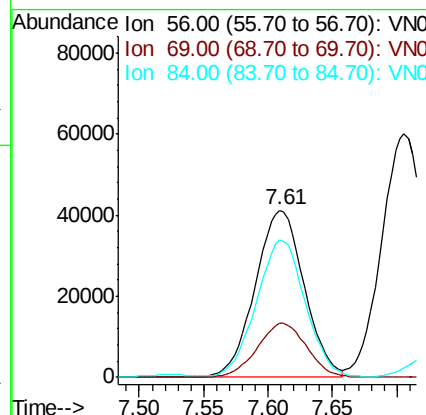
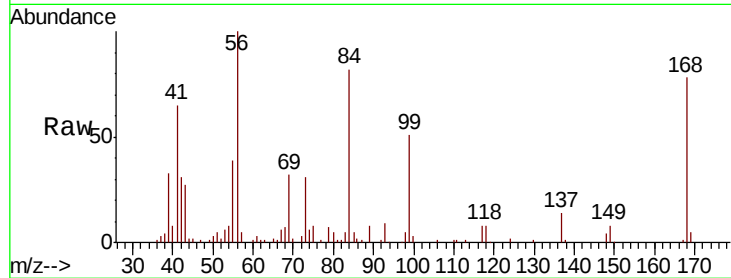
#31
Cyclohexane
Concen: 45.665 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.7	38.5
84	80.9	64.6	97.0

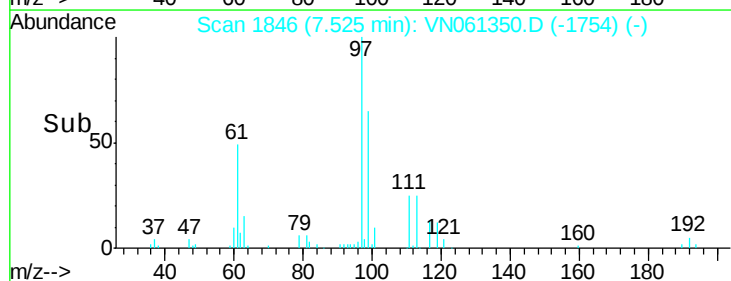
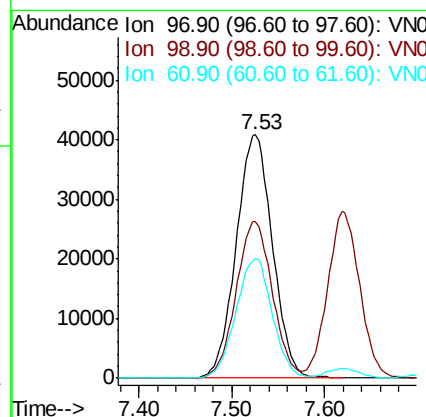
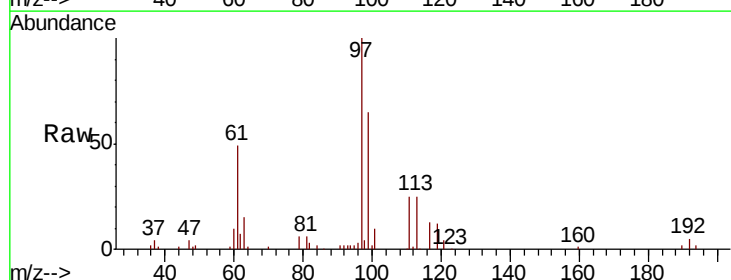
Manual Integrations
APPROVED

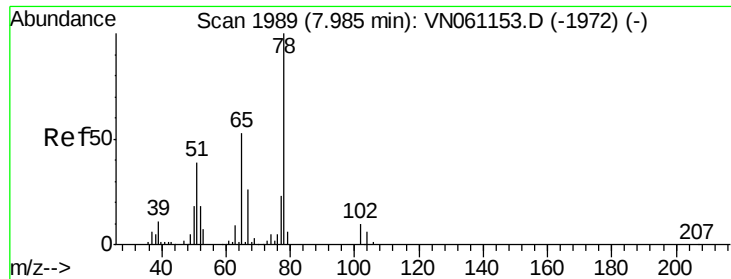
MMDadoda
5/11/2020 12:36:33 PM



#32
1,1,1-Trichloroethane
Concen: 51.103 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	49.1	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 54.308 ug/l

RT: 7.98 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 89121

Ion Ratio Lower Upper

65 100

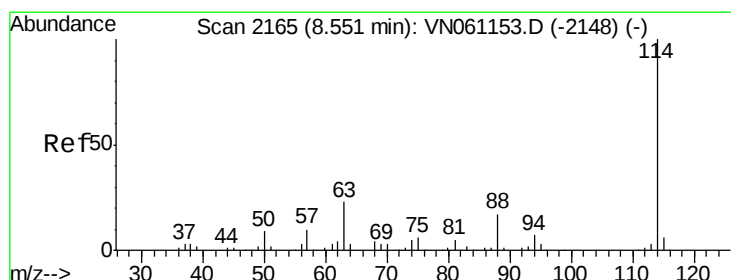
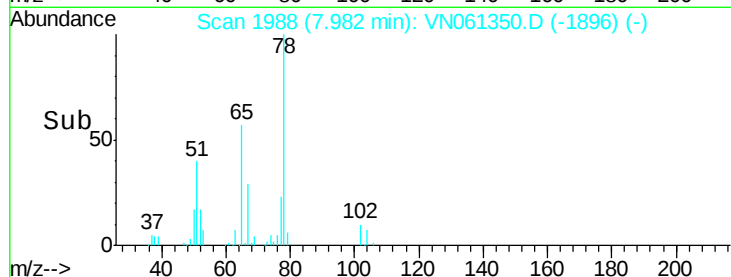
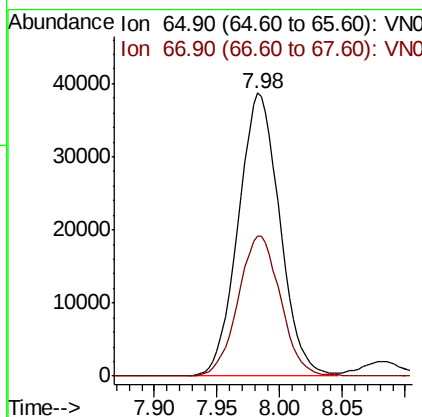
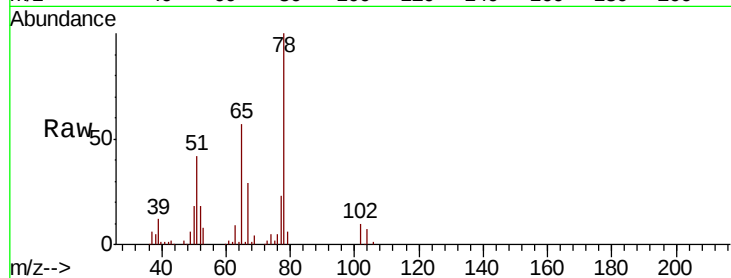
67 50.4 0.0 101.6

Manual Integrations

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5/11/2020 12:36:33 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

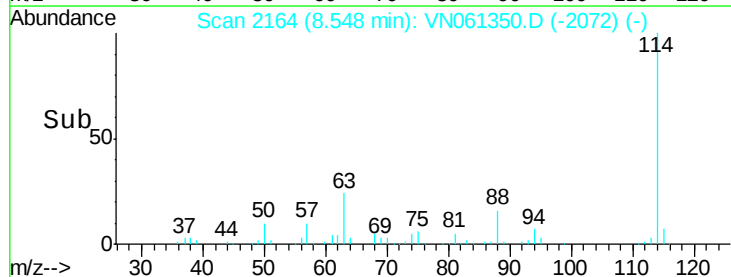
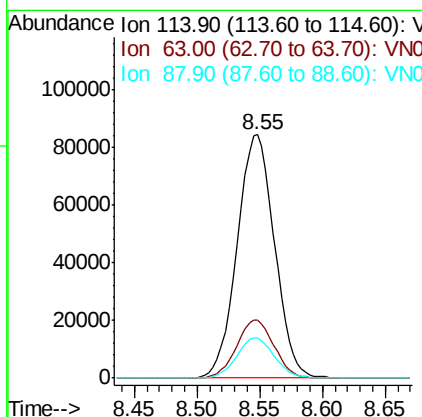
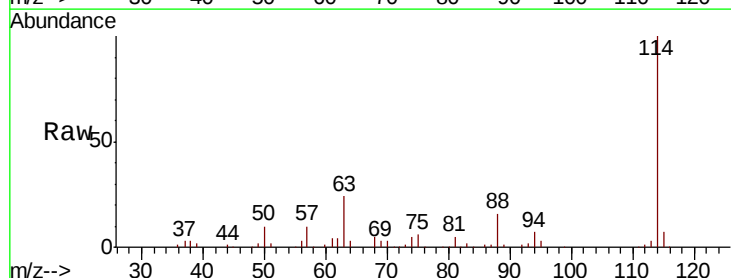
Tgt Ion: 114 Resp: 174809

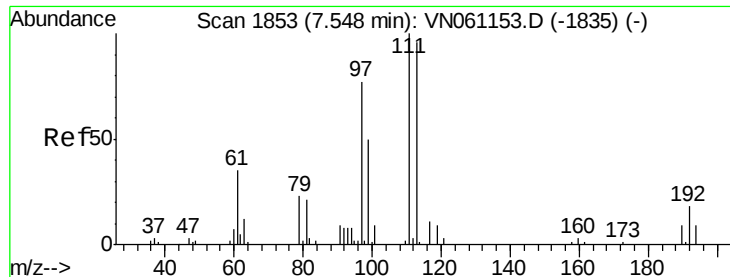
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.3 0.0 33.4





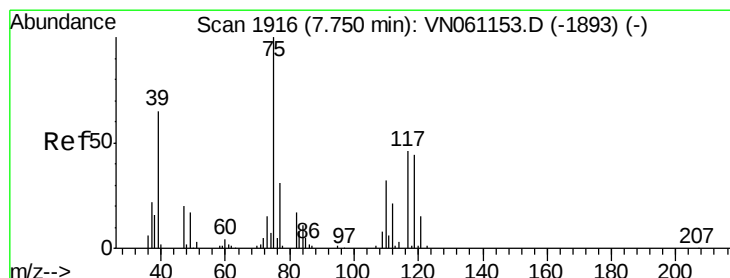
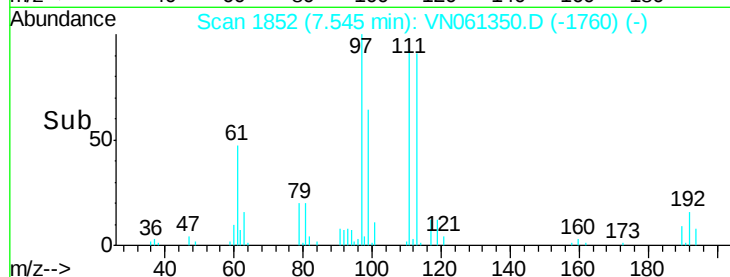
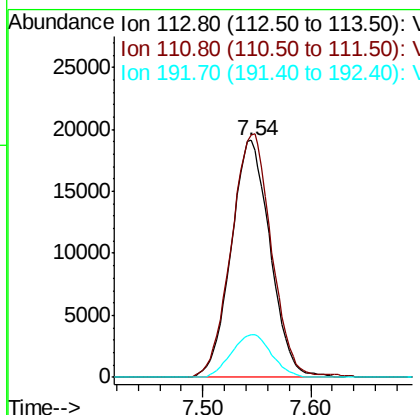
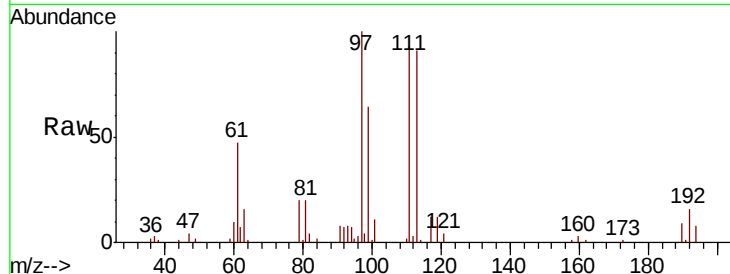
#35
 Dibromofluoromethane
 Concen: 46.704 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.9	124.3
192	18.5	14.7	22.1

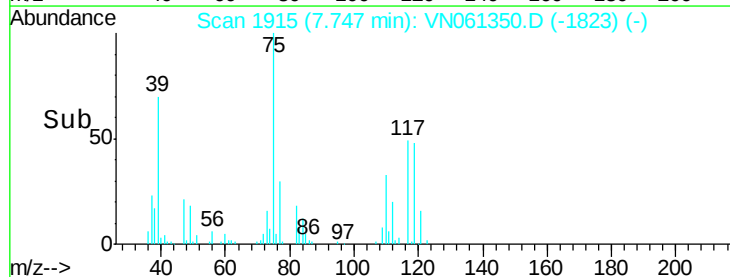
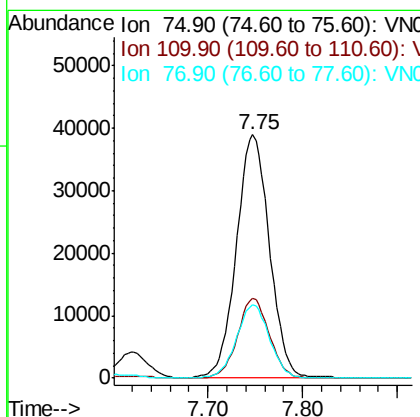
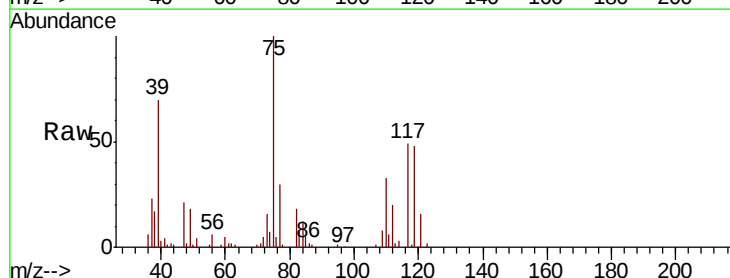
Manual Integrations
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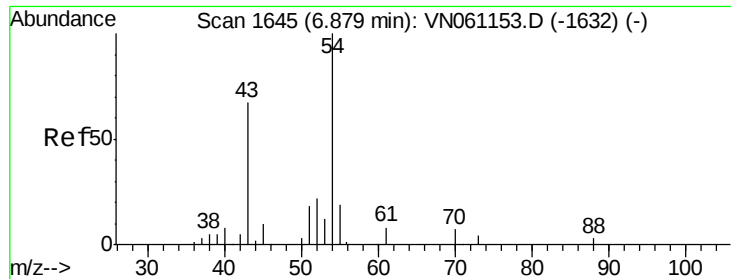
MMDadoda
 5/11/2020 12:36:33 PM



#36
 1,1-Dichloropropene
 Concen: 54.166 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.0	48.0
77	30.1	24.6	37.0





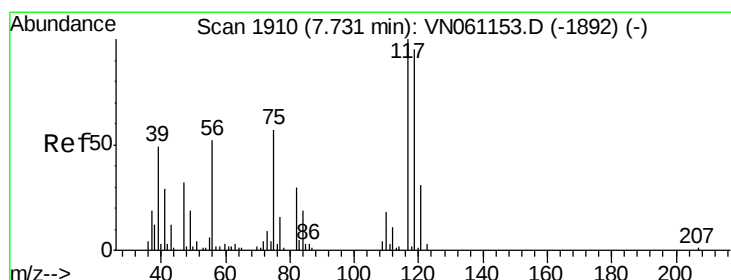
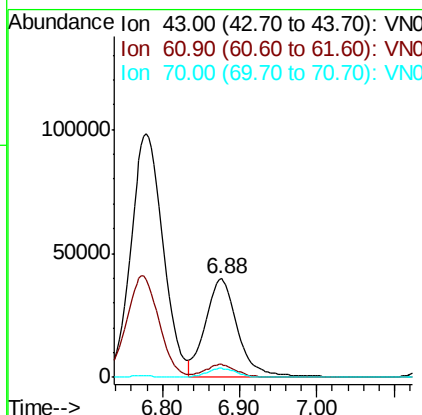
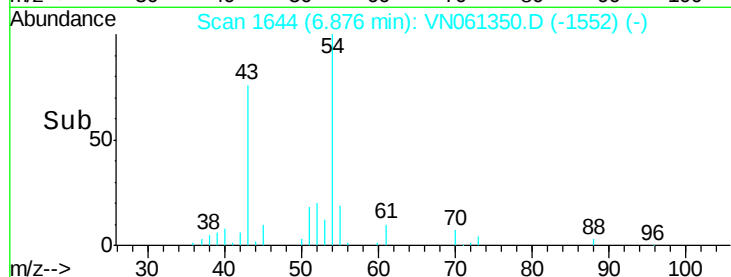
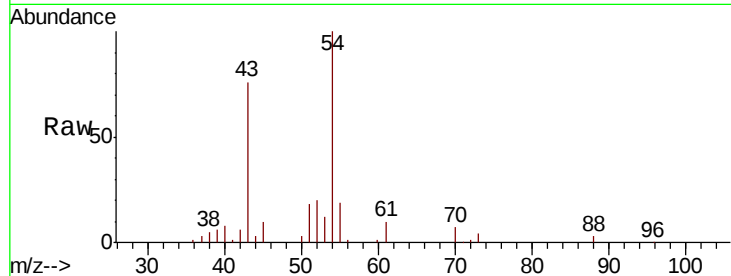
#37
Ethyl Acetate
Concen: 56.092 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	8.6	7.2	10.8

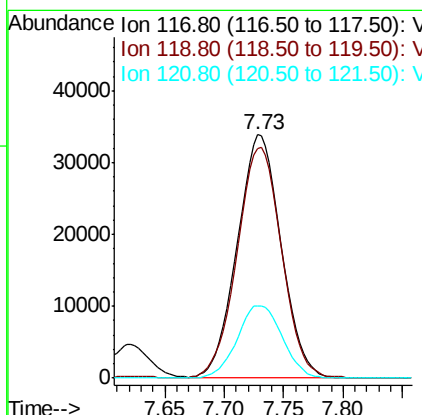
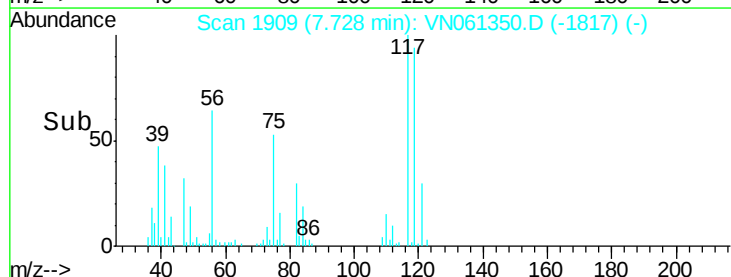
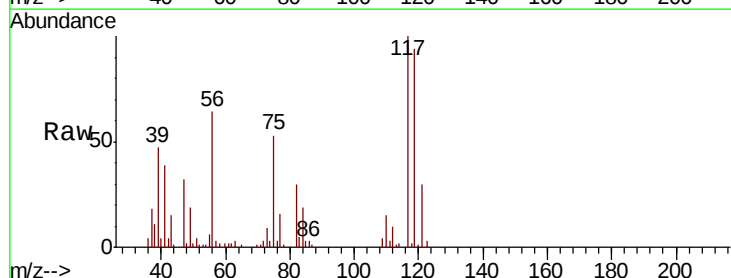
Manual Integrations
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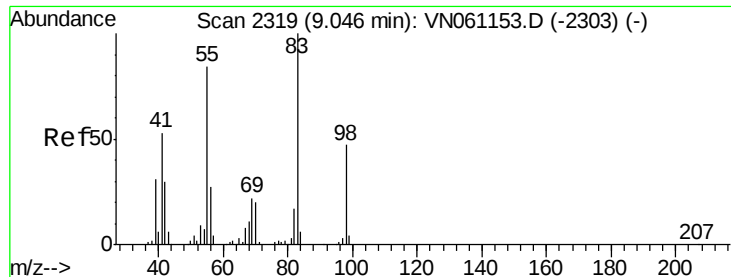
MMDadoda
5/11/2020 12:36:33 PM



#38
Carbon Tetrachloride
Concen: 54.098 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.6
121	29.8	24.7	37.1





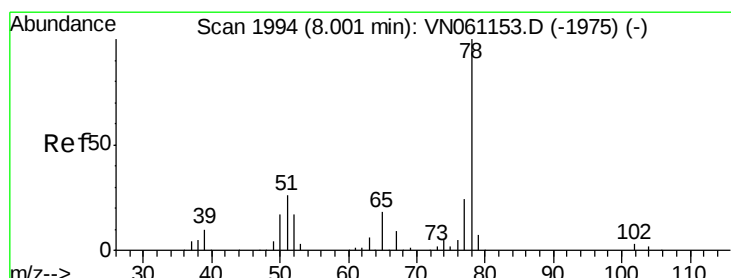
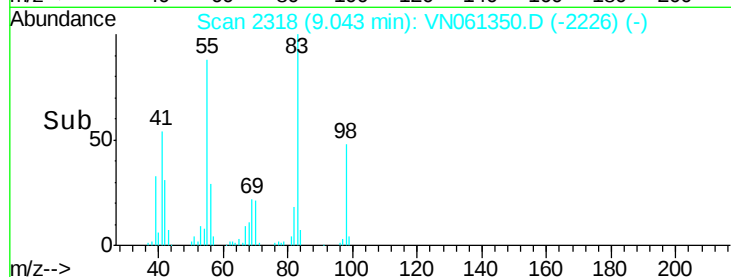
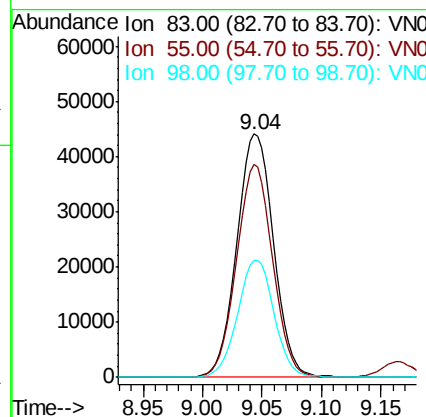
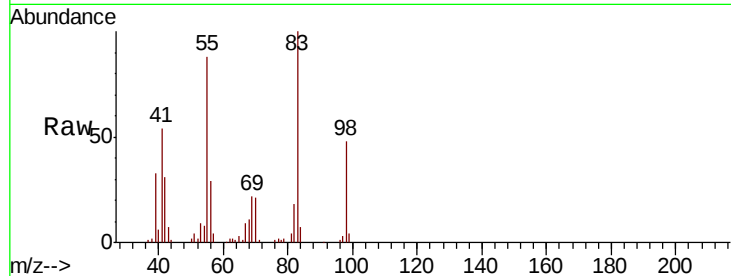
#39
Methvlcvclohexane
Concen: 48.152 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	67.3	100.9
98	48.1	37.7	56.5

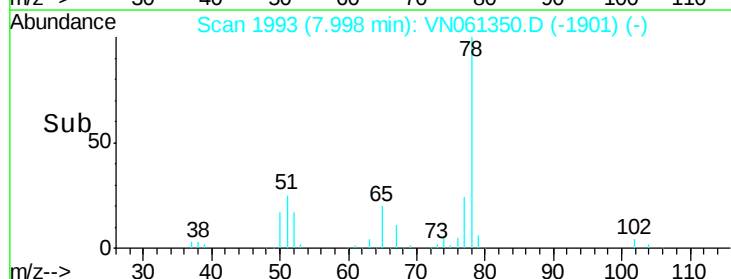
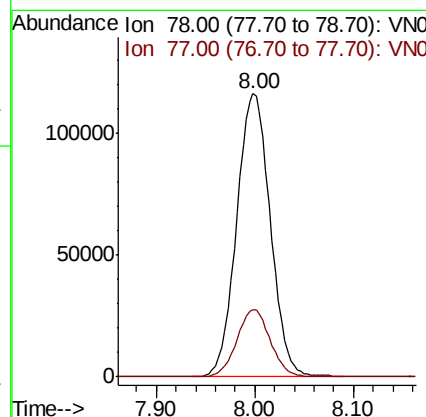
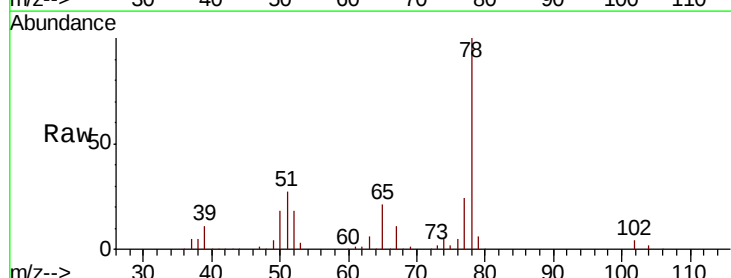
Manual Integrations
APPROVED

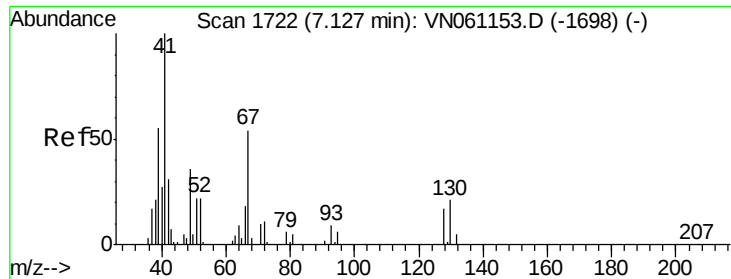
MMDadoda
5/11/2020 12:36:33 PM



#40
Benzene
Concen: 52.753 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





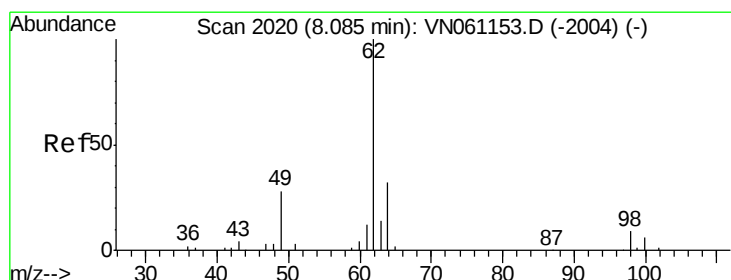
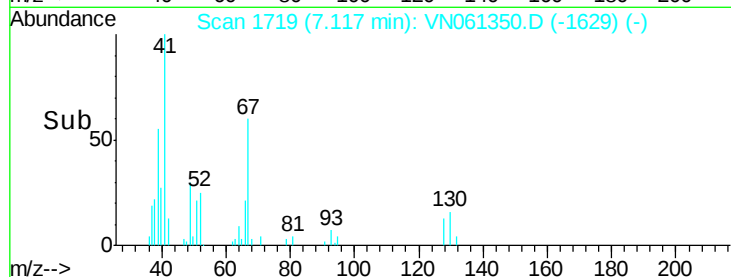
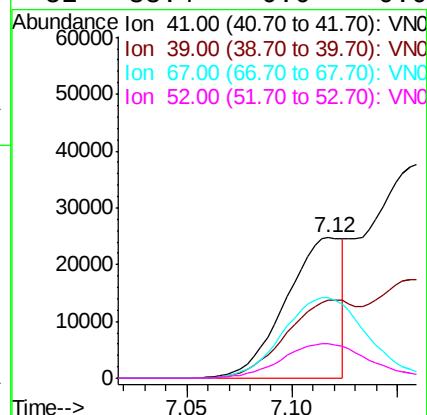
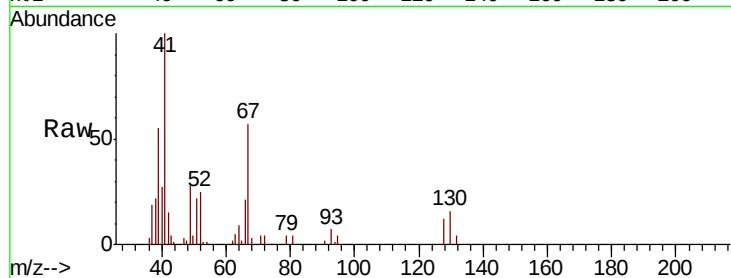
#41
Methacrylonitrile
Concen: 53.919 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	0.0	0.0#
67	85.9	0.0	0.0#
52	38.4	0.0	0.0#

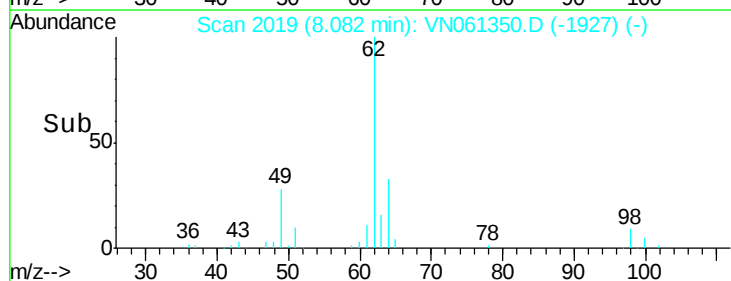
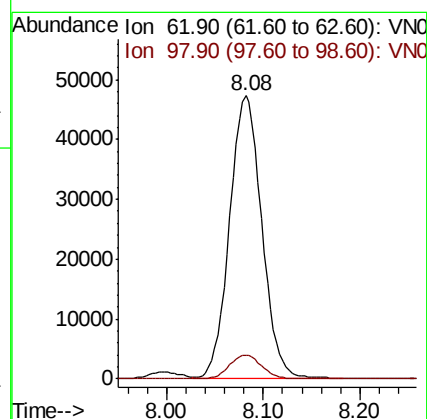
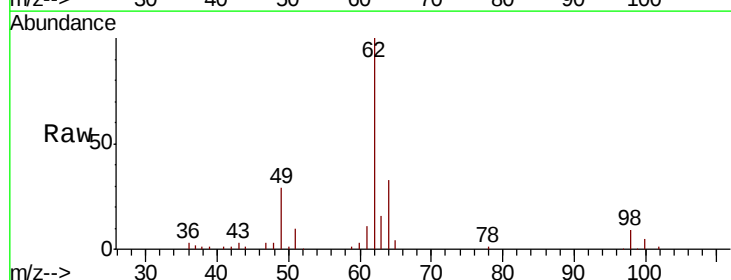
Manual Integrations
APPROVED

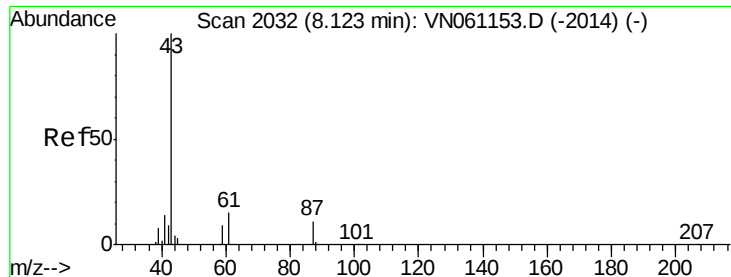
MMDadoda
5/11/2020 12:36:33 PM



#42
1,2-Dichloroethane
Concen: 55.673 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 55.409 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

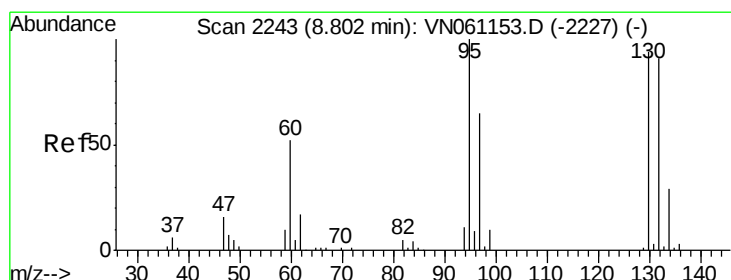
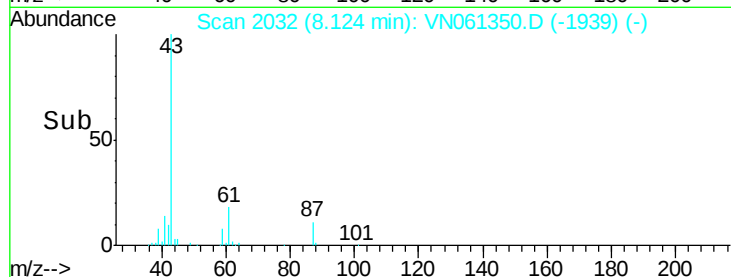
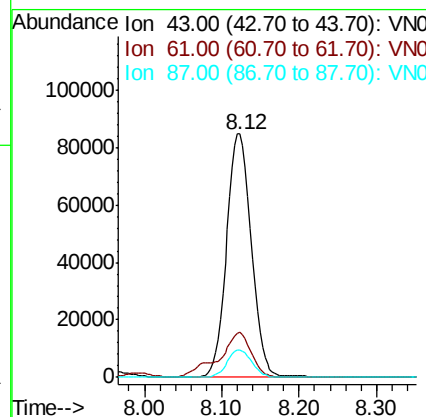
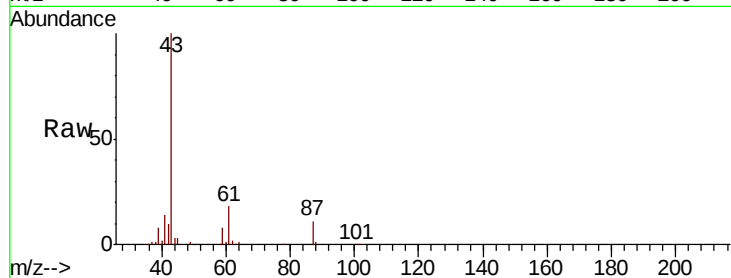
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	188650
Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.5	29.3
87	11.1	8.9	13.3

Manual Integrations
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MMDadoda
5/11/2020 12:36:33 PM



#44

Trichloroethene

Concen: 49.459 ug/l

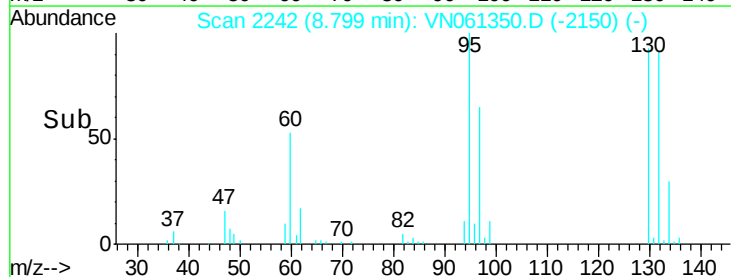
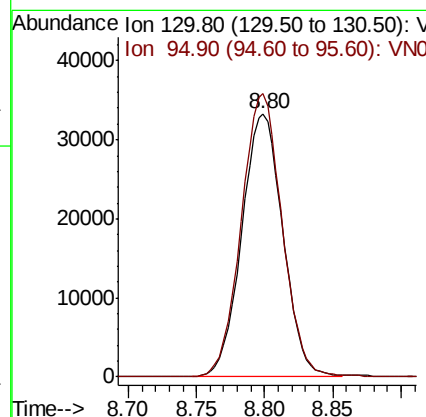
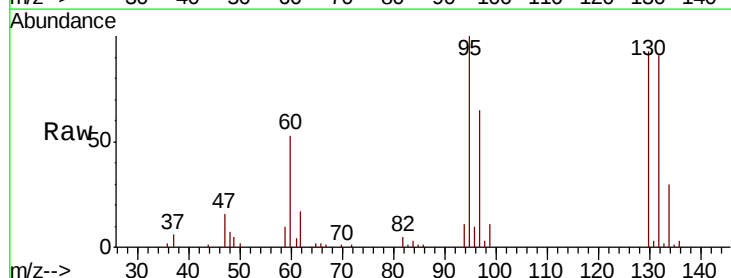
RT: 8.80 min Scan# 2242

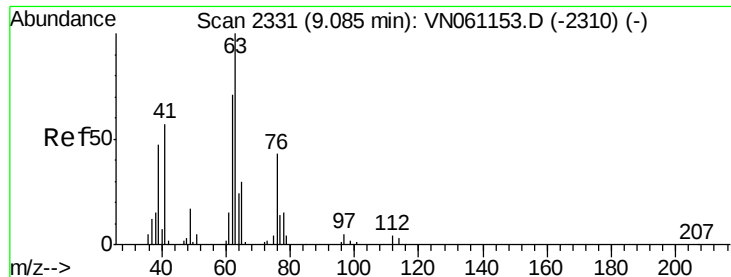
Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Tgt Ion:	130	Resp:	69705
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	212.4





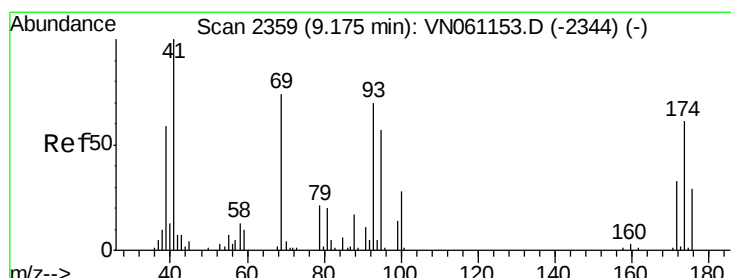
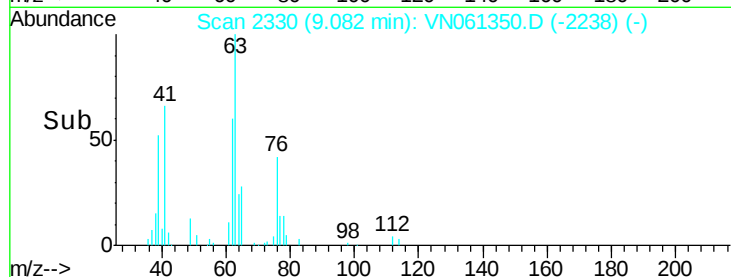
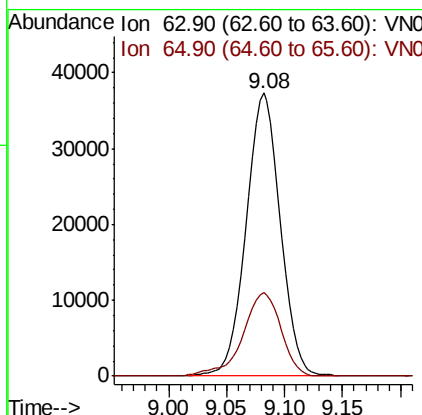
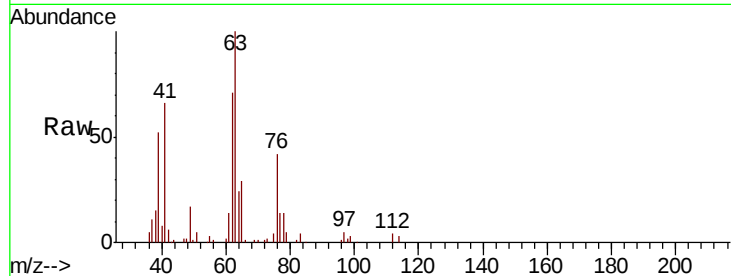
#45
 1,2-Dichloropropane
 Concen: 55.127 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 76782
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.7 37.1

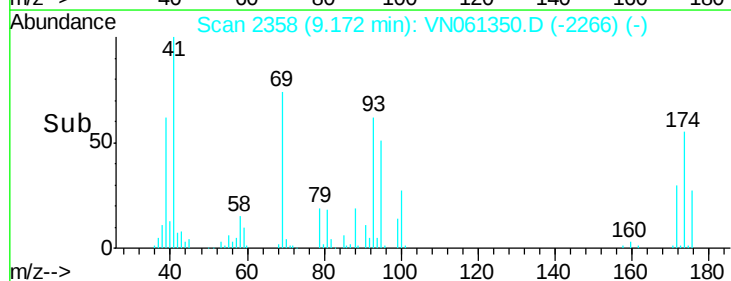
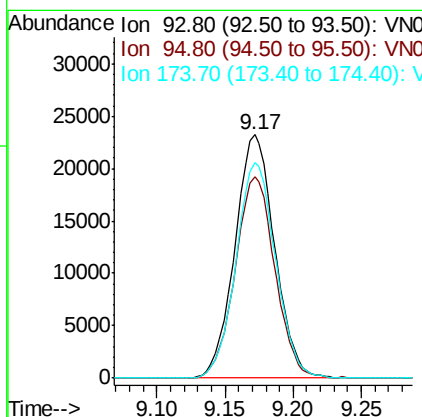
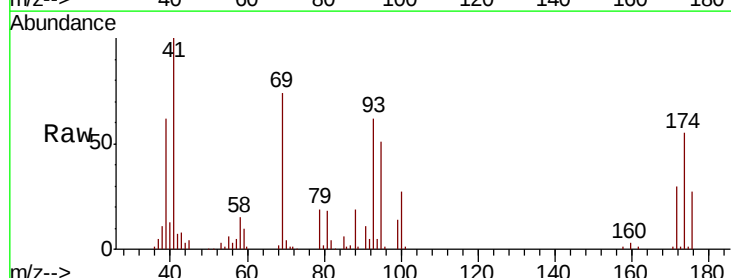
Manual Integrations
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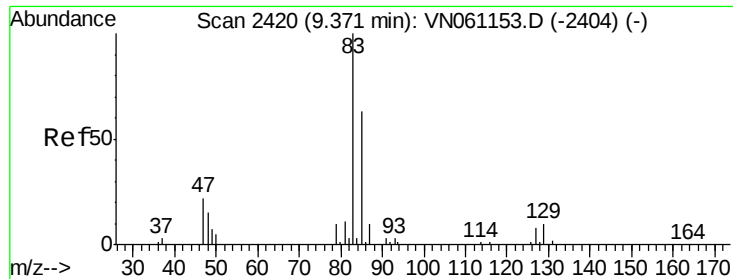
MMDadoda
 5/11/2020 12:36:33 PM



#46
 Dibromomethane
 Concen: 54.489 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion: 93 Resp: 46991
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 99.8
 174 88.4 70.2 105.2





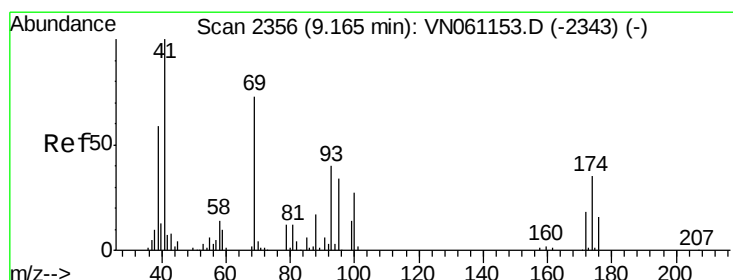
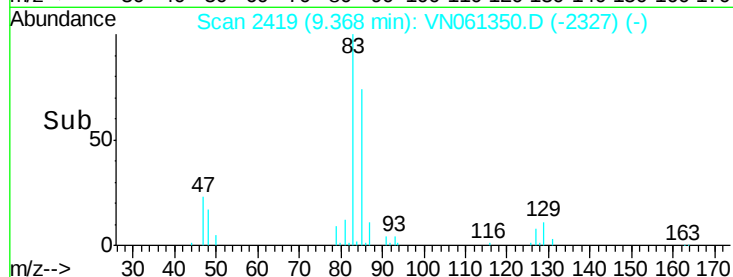
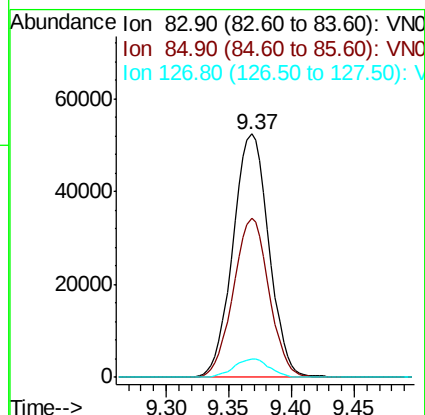
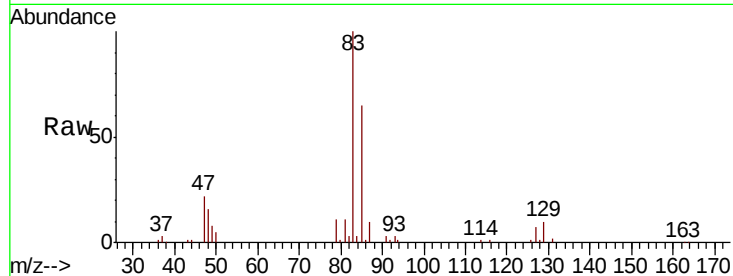
#47
Bromodichloromethane
Concen: 56.412 ug/l
RT: 9.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	104420
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	50.4	75.6
127	7.4	6.2	9.2

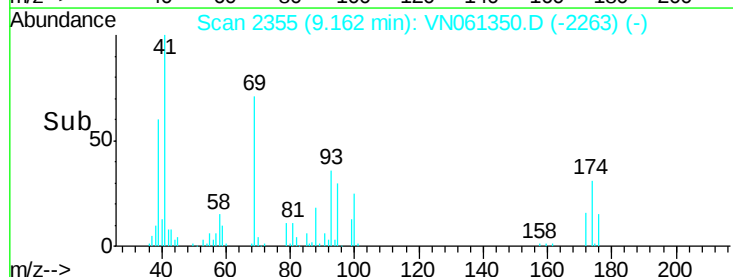
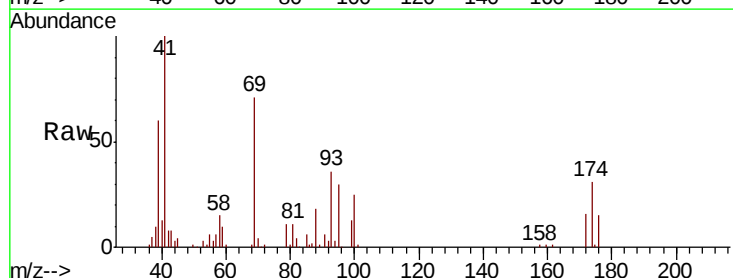
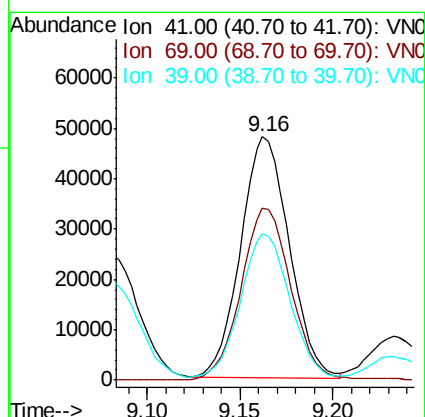
Manual Integrations
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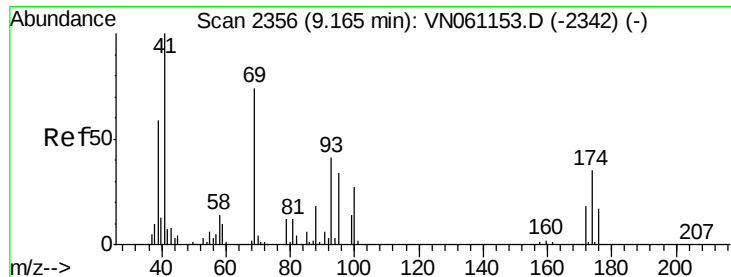
MMDadoda
5/11/2020 12:36:33 PM



#48
Methyl methacrylate
Concen: 56.792 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	41	Resp	87254
Ion Ratio	100	Lower	Upper
41	100		
69	73.8	60.3	90.5
39	62.7	47.4	71.0





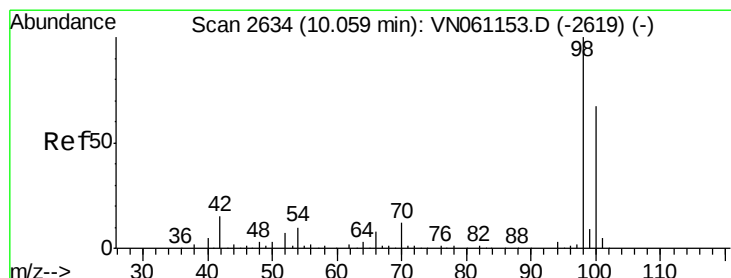
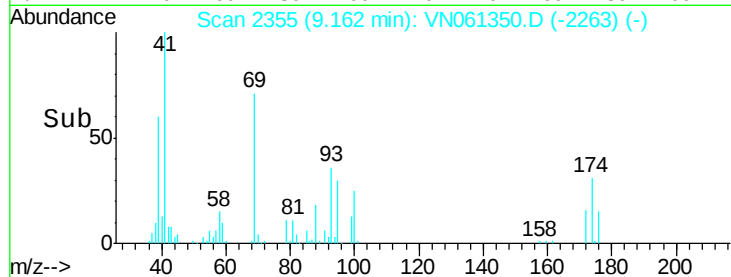
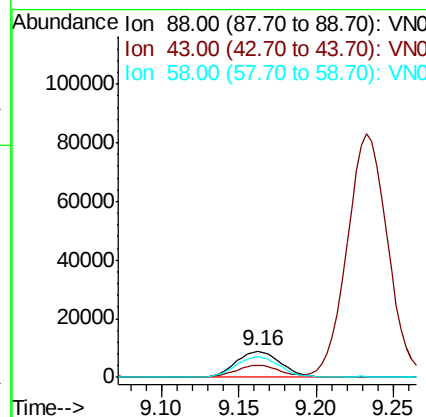
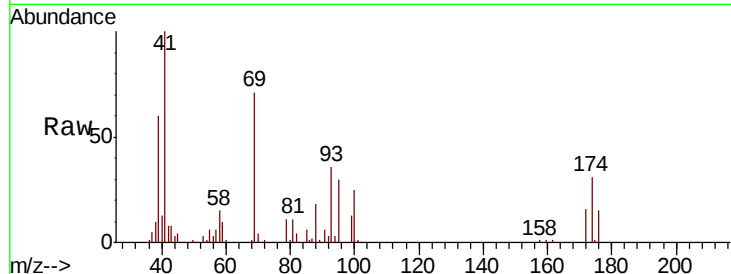
#49
1,4-Dioxane
Concen: 1036.775 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.4	35.3	52.9
58	79.1	61.5	92.3

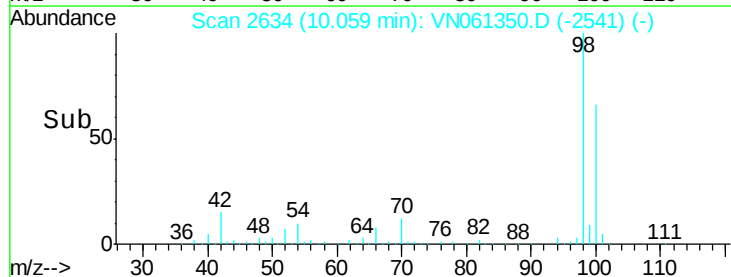
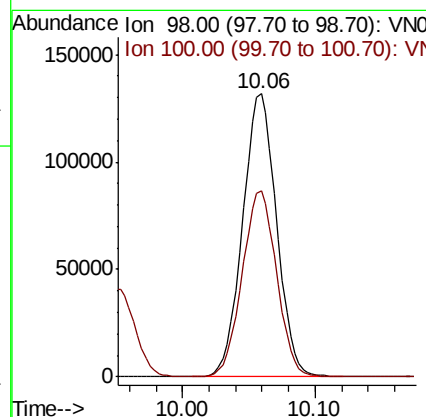
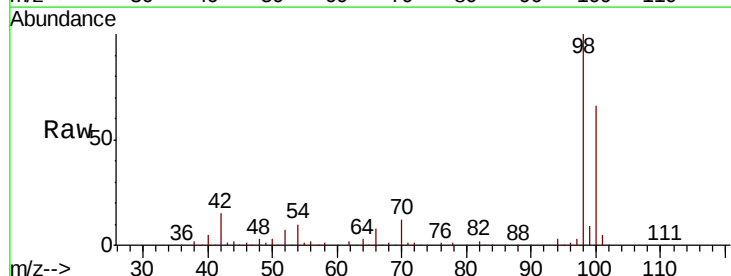
Manual Integrations
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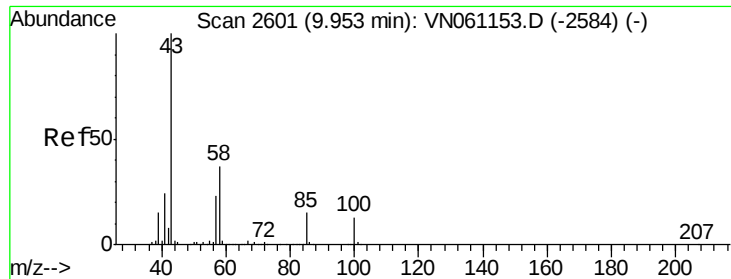
MMDadoda
5/11/2020 12:36:33 PM



#50
Toluene-d8
Concen: 55.724 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





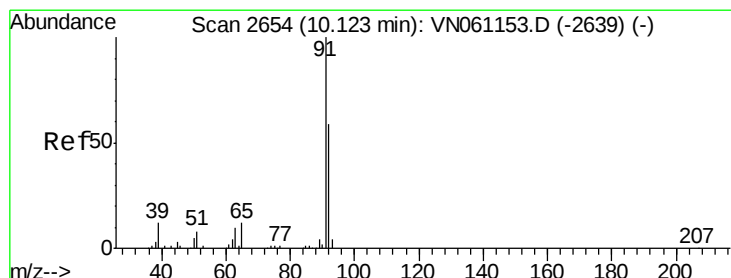
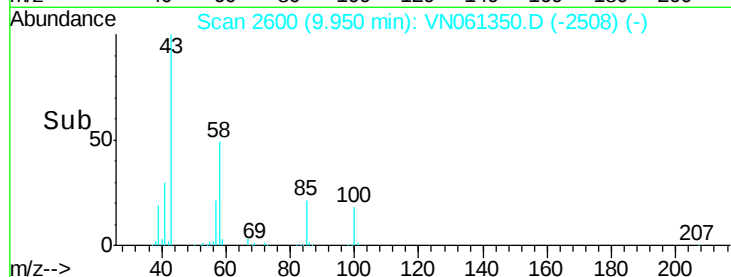
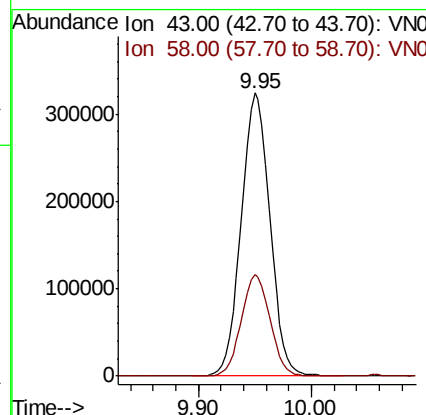
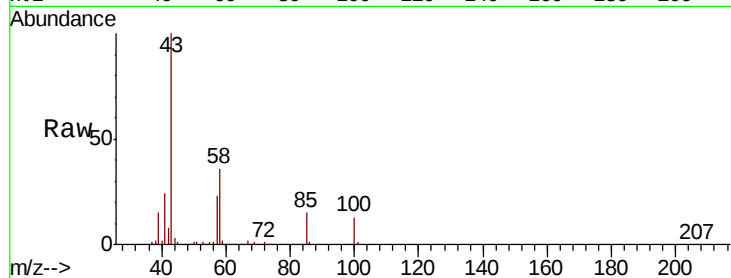
#51
4-Methyl-2-Pentanone
Concen: 286.713 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	574587
Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.1	43.7

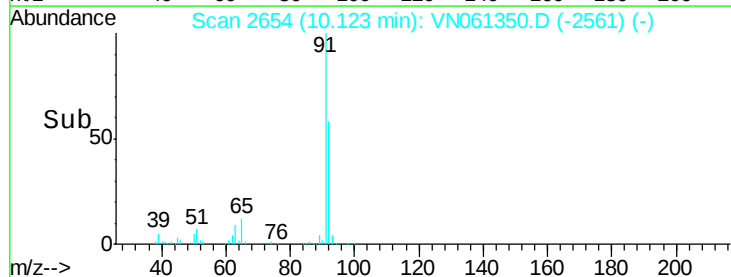
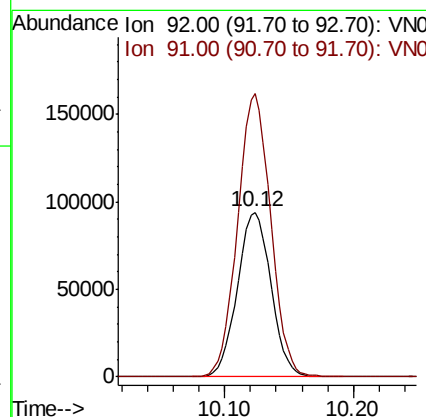
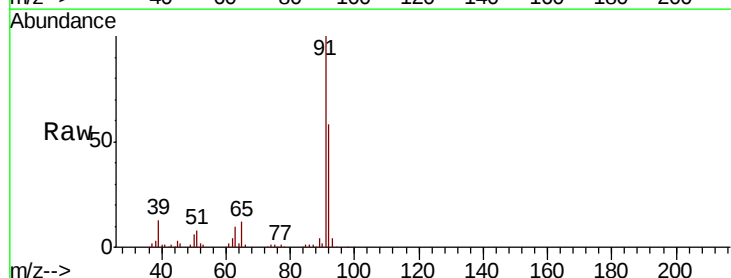
Manual Integrations
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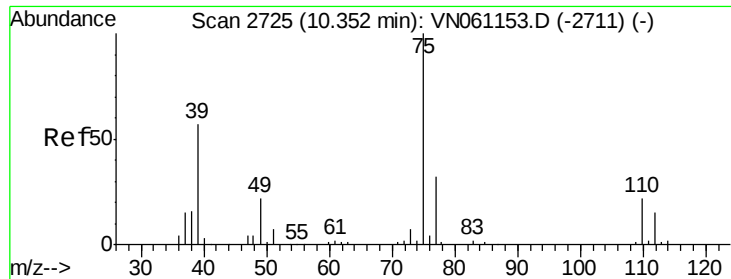
MMDadoda
5/11/2020 12:36:33 PM



#52
Toluene
Concen: 54.288 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	92	Resp	170476
Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.2	204.2





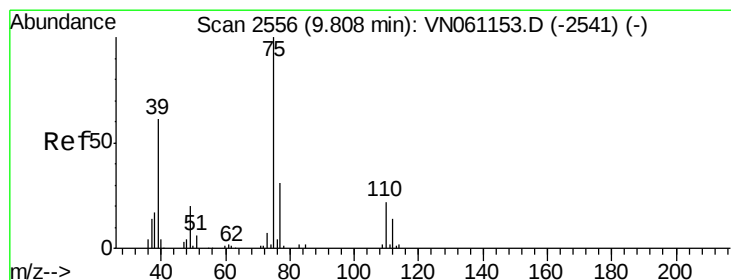
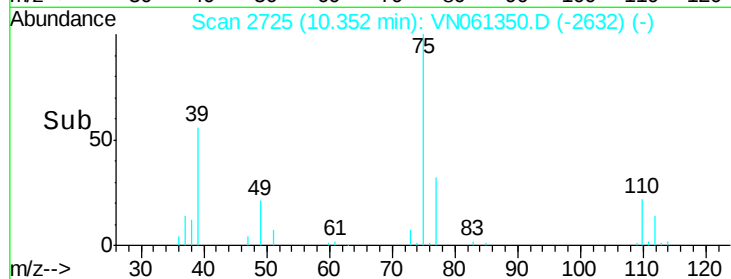
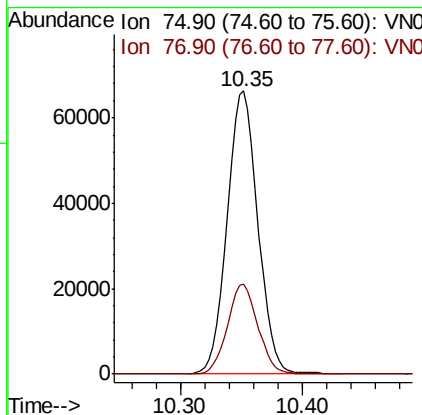
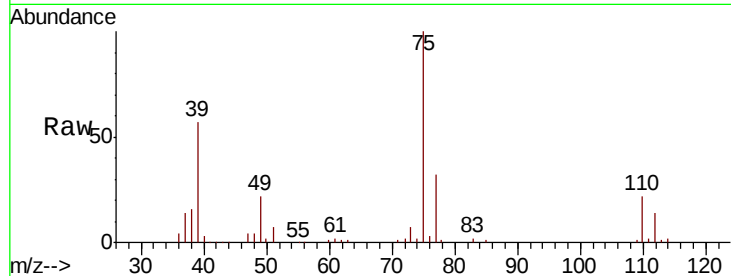
#53
t-1,3-Dichloropropene
Concen: 56.012 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 116826
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

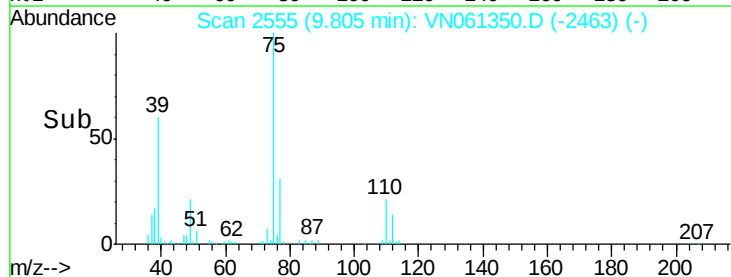
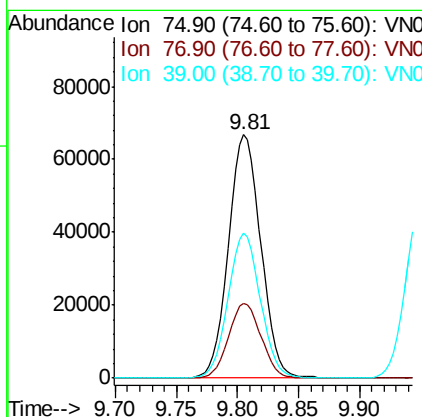
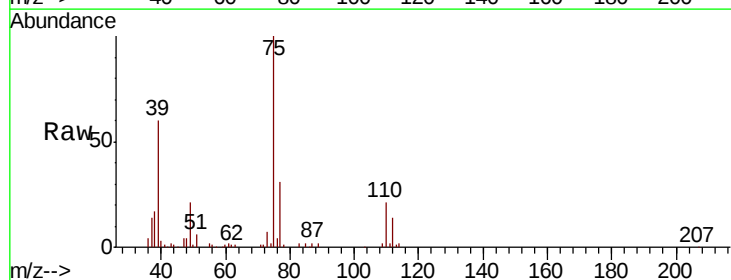
Manual Integrations
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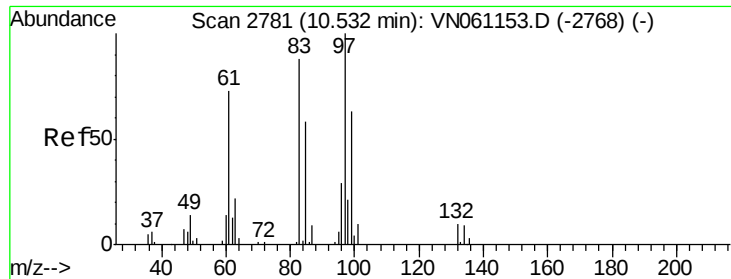
MMDadoda
5/11/2020 12:36:33 PM



#54
cis-1,3-Dichloropropene
Concen: 56.029 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion: 75 Resp: 123546
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 59.6 48.7 73.1





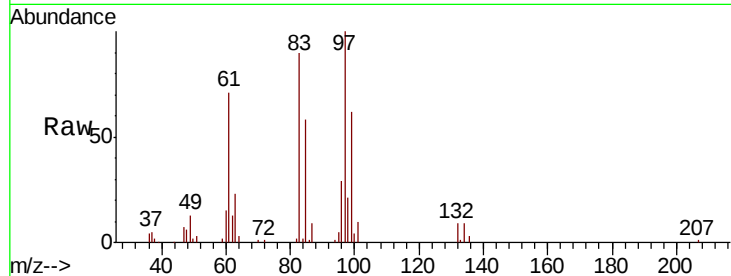
#55
 1,1,2-Trichloroethane
 Concen: 53.918 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	67534
Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.6	106.0
85	57.8	46.4	69.6
99	62.3	50.6	75.8

Manual Integrations
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MMDadoda
 5/11/2020 12:36:33 PM



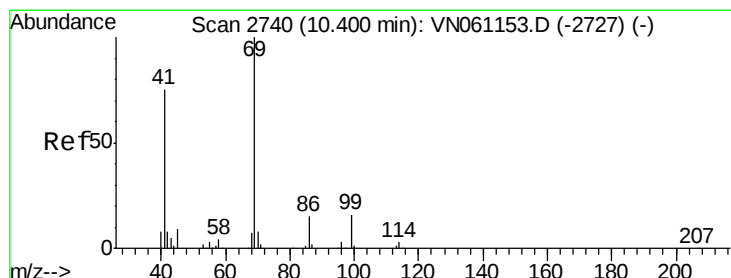
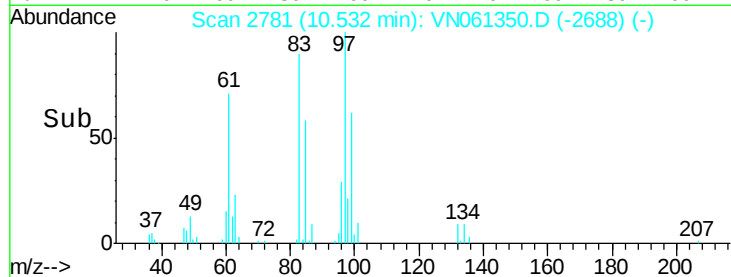
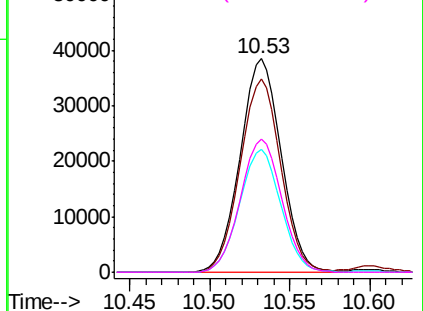
Abundance

Ion 96.90 (96.60 to 97.60): VN061350.D (-2688) (-)

Ion 82.90 (82.60 to 83.60): VN061350.D (-2688) (-)

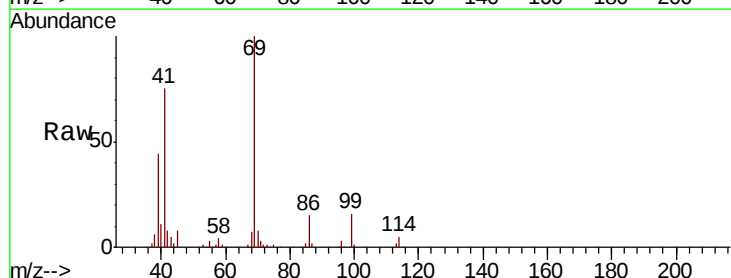
Ion 84.90 (84.60 to 85.60): VN061350.D (-2688) (-)

Ion 98.90 (98.60 to 99.60): VN061350.D (-2688) (-)



#56
 Ethyl methacrylate
 Concen: 51.019 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion:	69	Resp:	111485
Ion	Ratio	Lower	Upper
69	100		
41	77.5	60.3	90.5
39	43.8	35.9	53.9

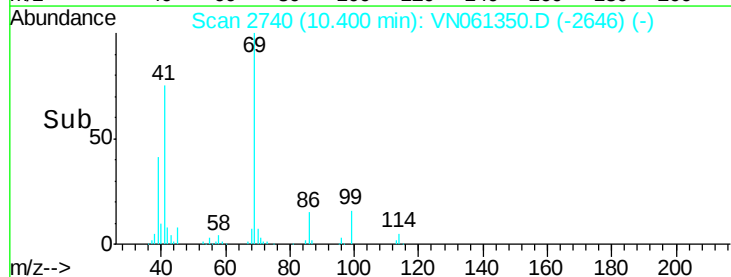
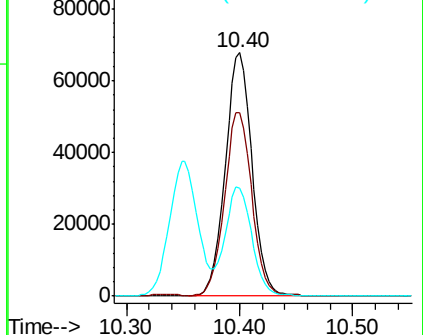


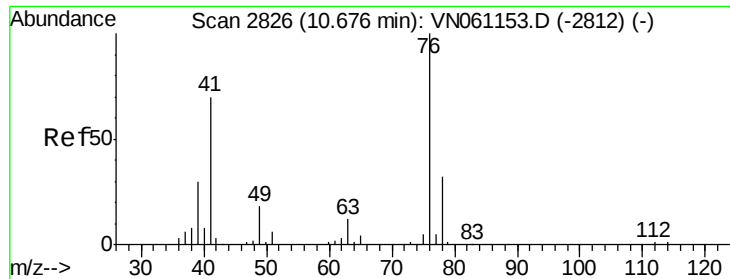
Abundance

Ion 69.00 (68.70 to 69.70): VN061350.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061350.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061350.D (-2646) (-)





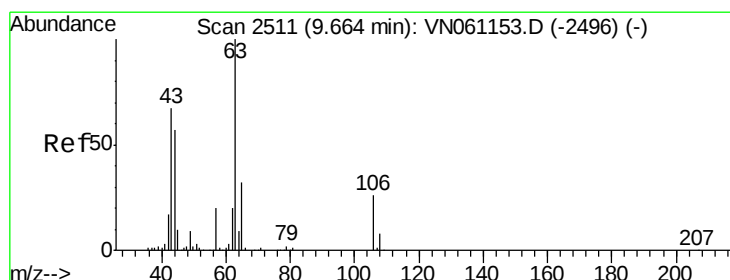
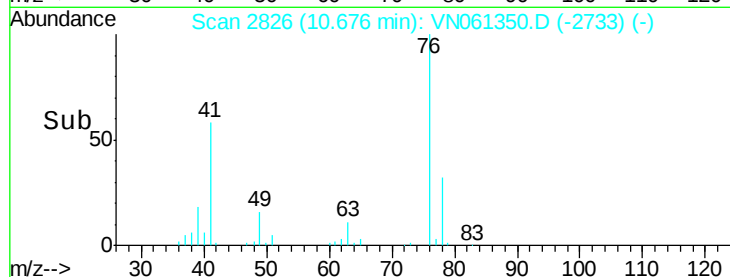
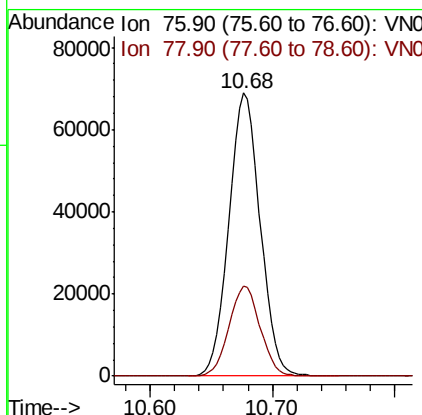
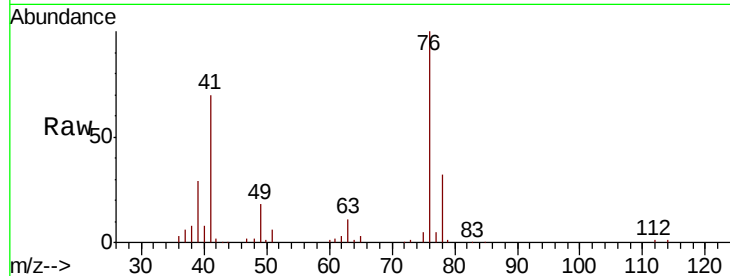
#57
 1,3-Dichloropropane
 Concen: 55.928 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

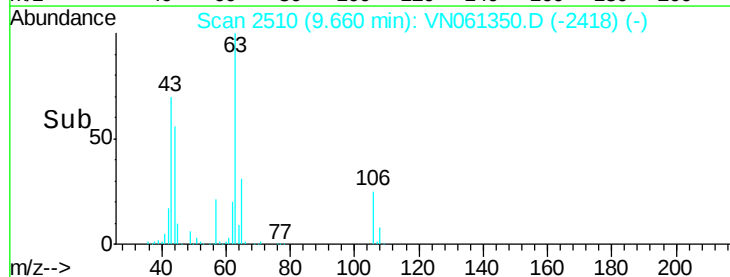
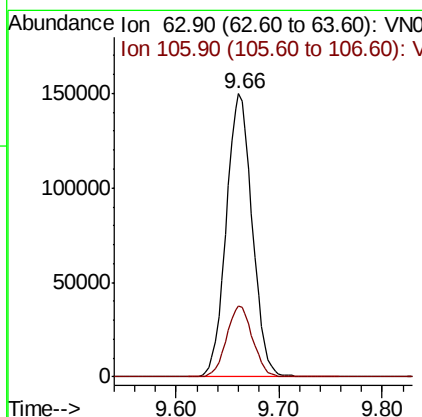
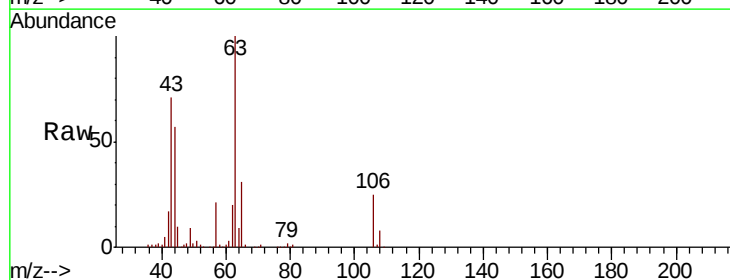
Manual Integrations
 APPROVED

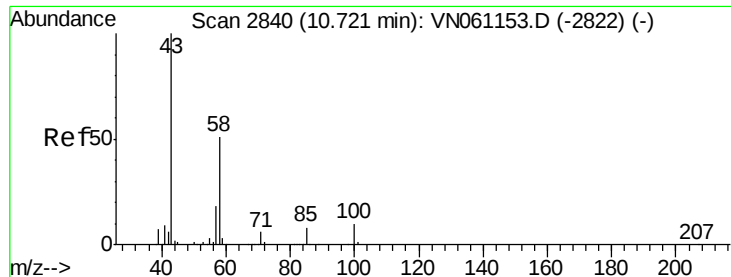
MMDadoda
 5/11/2020 12:36:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.956 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.6	30.8





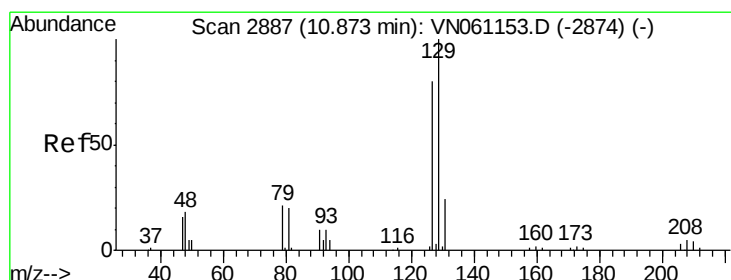
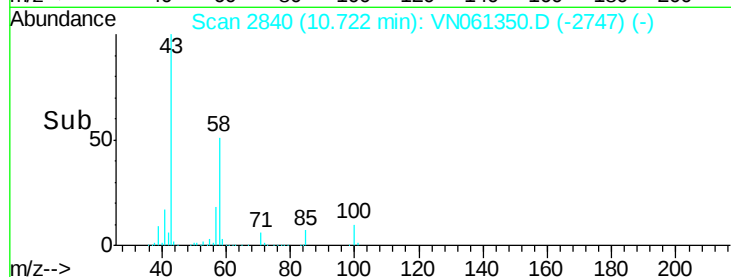
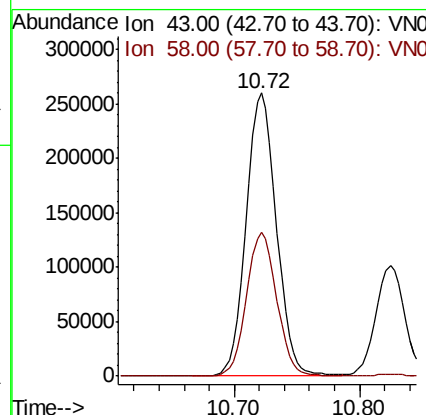
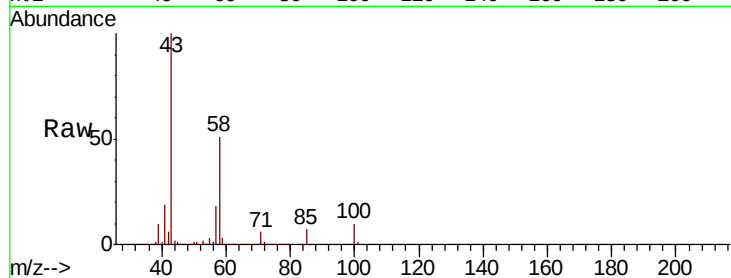
#59
2-Hexanone
Concen: 298.053 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 434556
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4

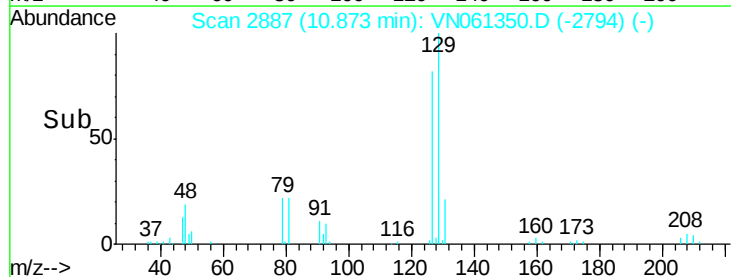
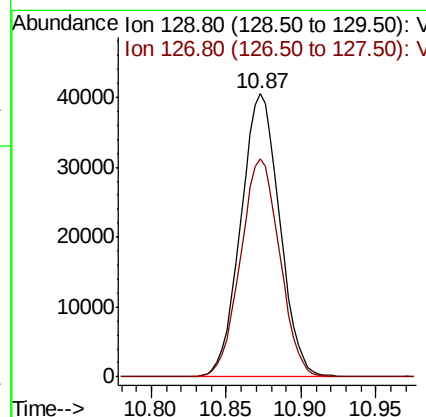
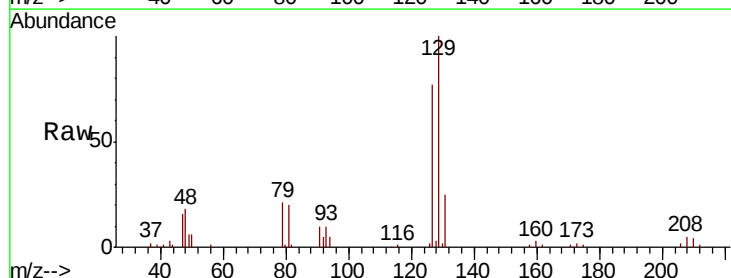
Manual Integrations
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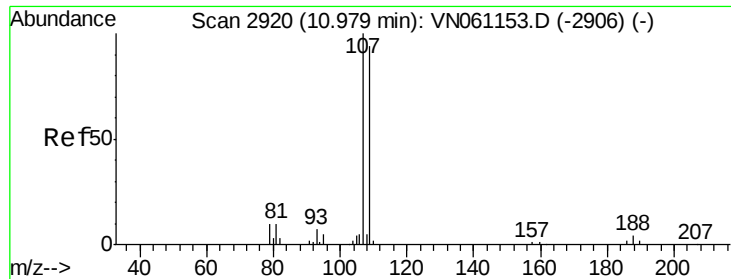
MMDadoda
5/11/2020 12:36:33 PM



#60
Dibromochloromethane
Concen: 55.852 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion: 129 Resp: 73269
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 54.326 ug/l

RT: 10.98 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 68202

Ion Ratio Lower Upper

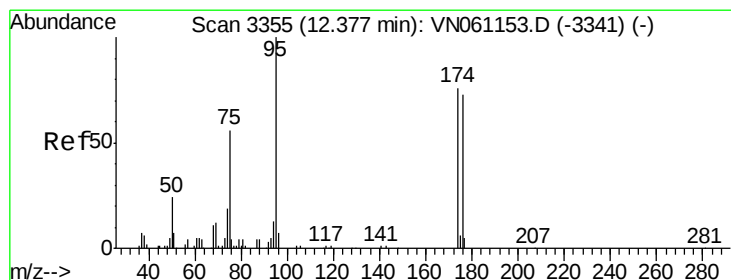
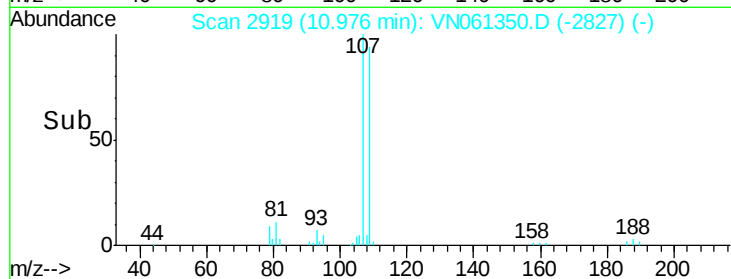
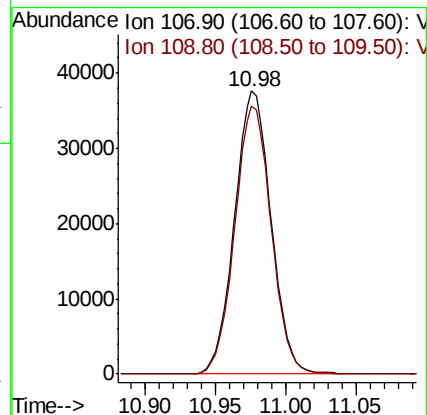
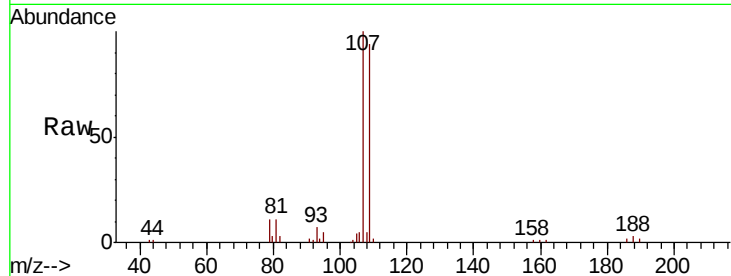
107 100

109 94.6 74.8 112.2

Manual Integrations
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MMDadoda

5/11/2020 12:36:33 PM



#62

4-Bromofluorobenzene

Concen: 56.631 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

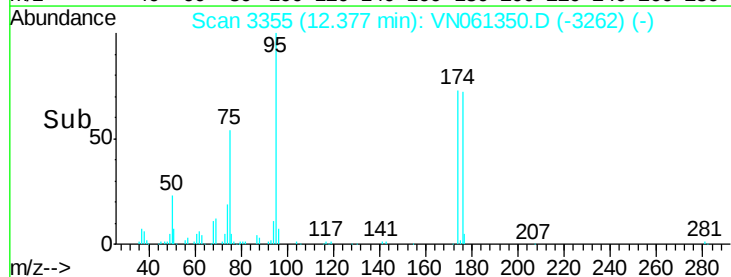
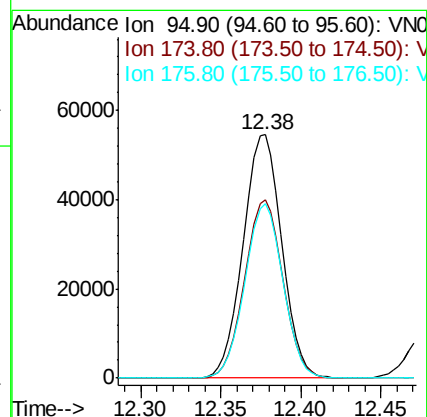
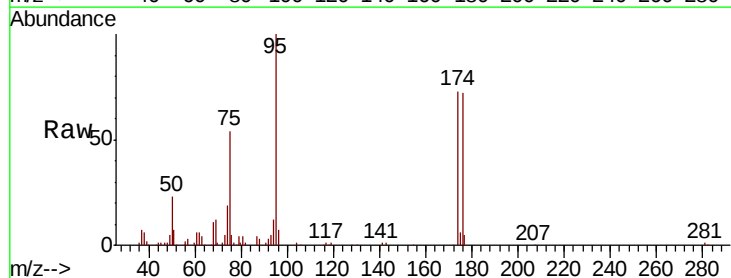
Tgt Ion: 95 Resp: 89802

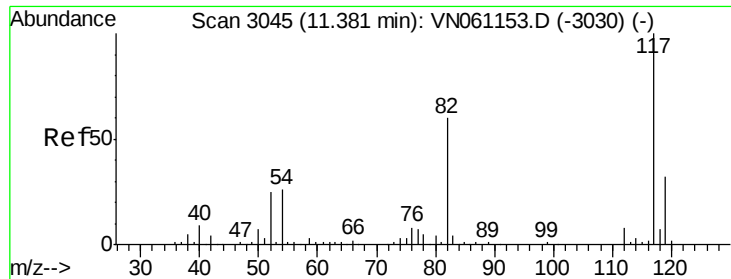
Ion Ratio Lower Upper

95 100

174 72.7 0.0 149.4

176 70.7 0.0 144.8





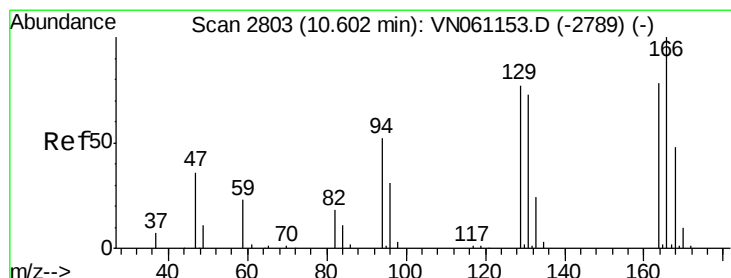
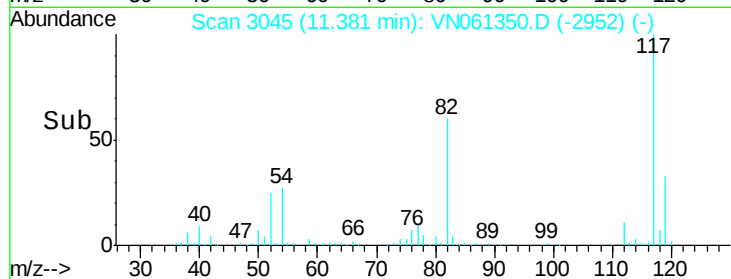
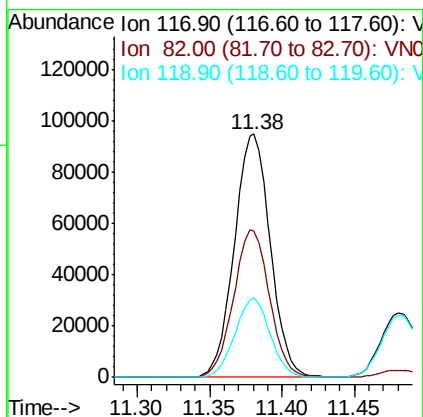
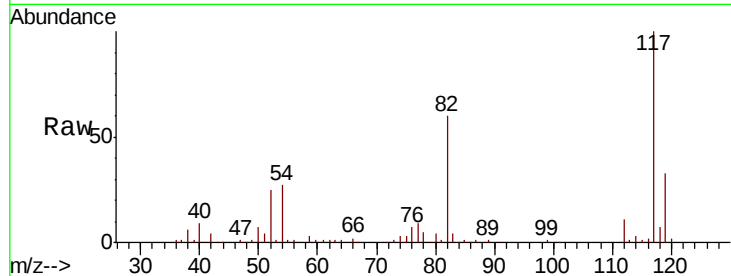
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.8	71.8
119	32.6	25.8	38.6

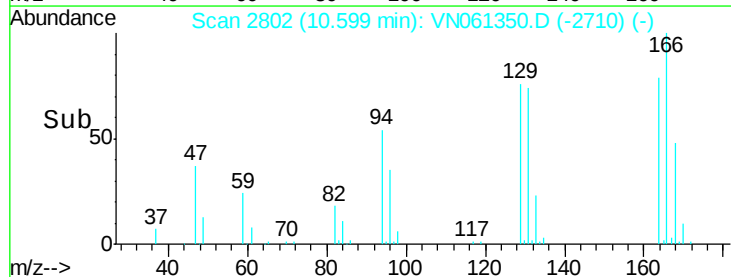
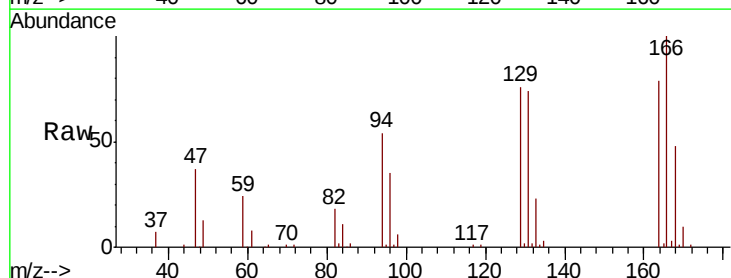
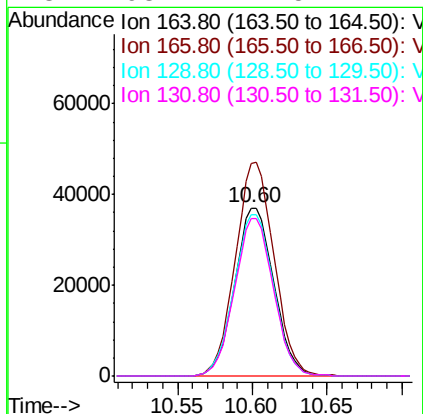
Manual Integrations
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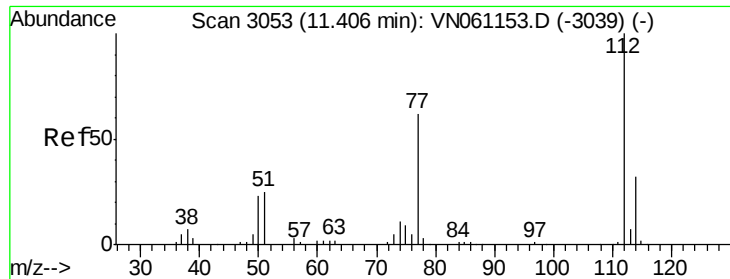
MMDadoda
5/11/2020 12:36:33 PM



#64
Tetrachloroethene
Concen: 47.483 ug/l
RT: 10.60 min Scan# 2802
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.0	153.0
129	96.0	78.2	117.2
131	93.4	74.5	111.7





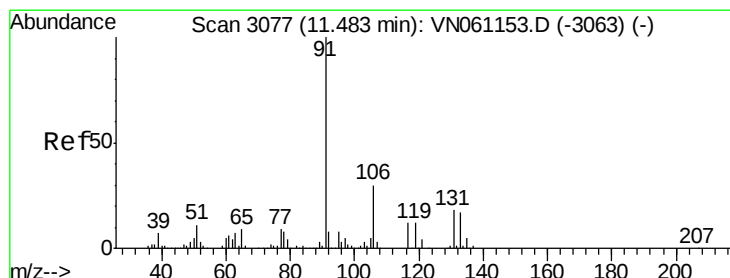
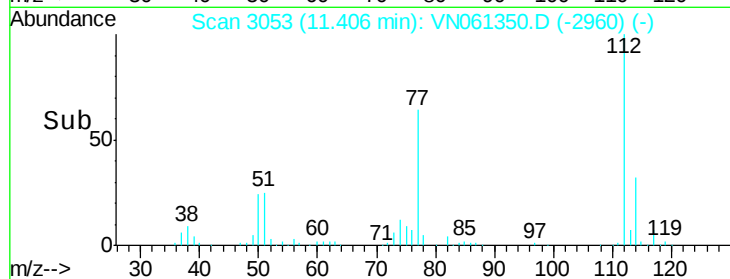
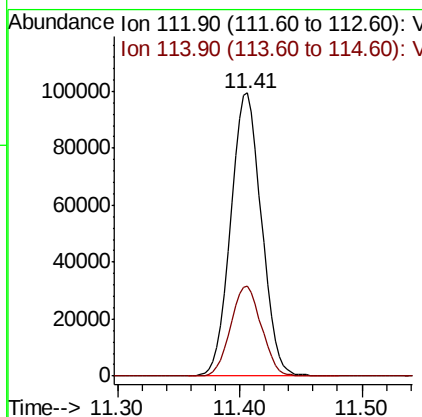
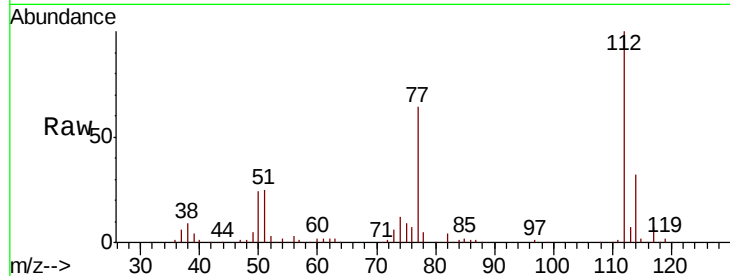
#65
Chlorobenzene
Concen: 53.696 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 174224
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

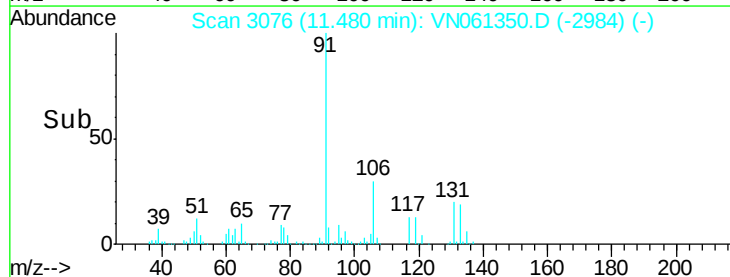
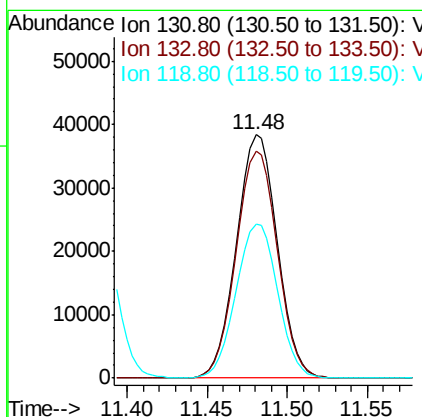
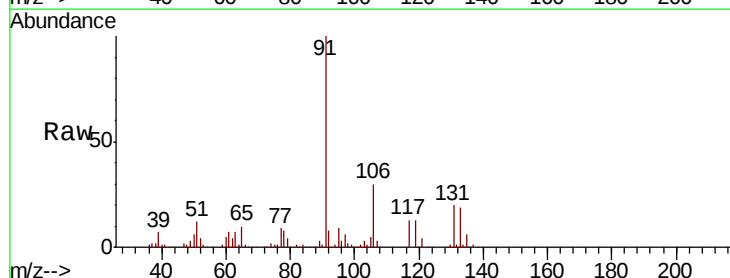
Manual Integrations
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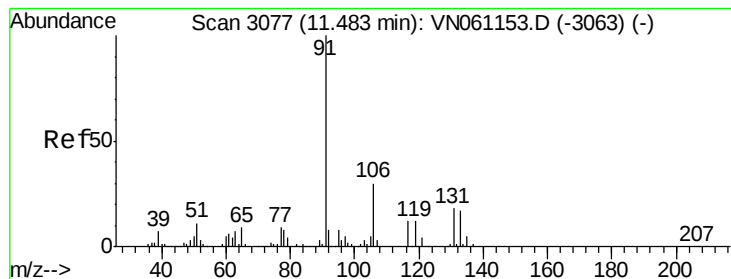
MMDadoda
5/11/2020 12:36:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.422 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion:131 Resp: 66683
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.2
119 64.7 32.6 97.8





#67

Ethyl Benzene

Concen: 54.880 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 333334

Ion Ratio Lower Upper

91 100

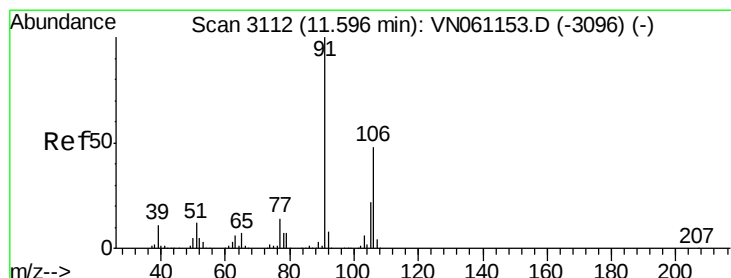
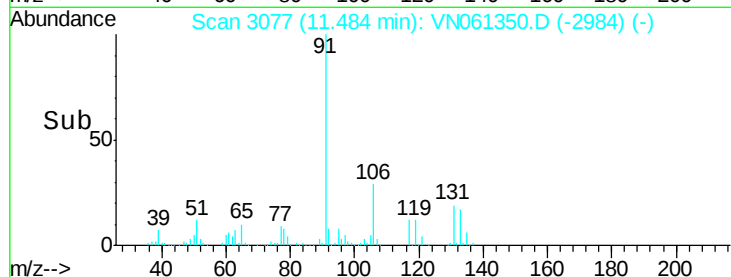
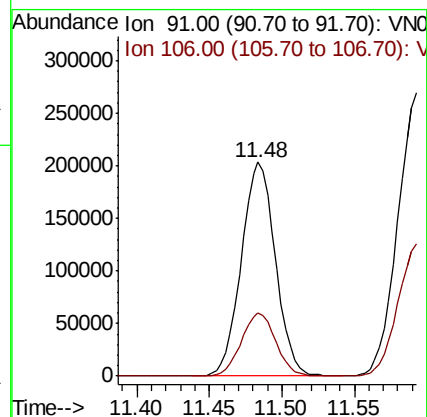
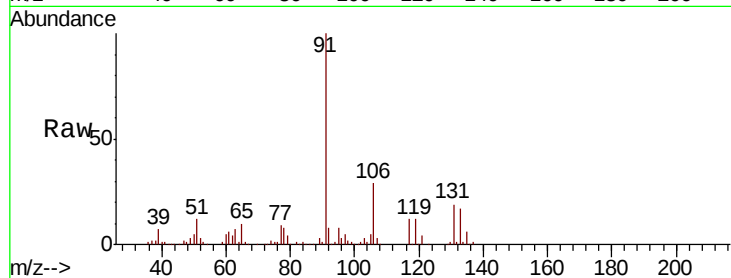
106 29.4 23.8 35.6

Manual Integrations

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5/11/2020 12:36:33 PM



#68

m/p-Xylenes

Concen: 109.629 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061350.D

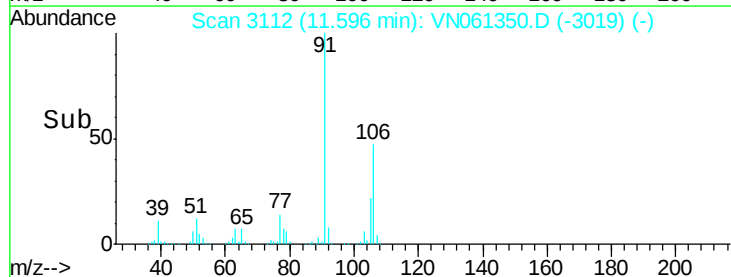
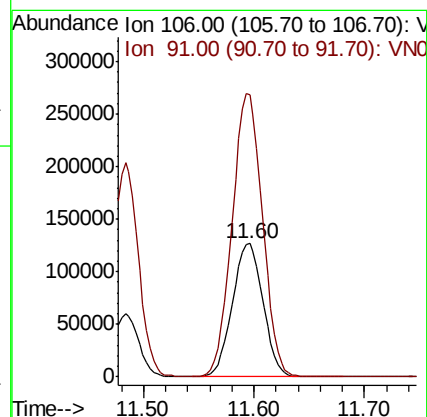
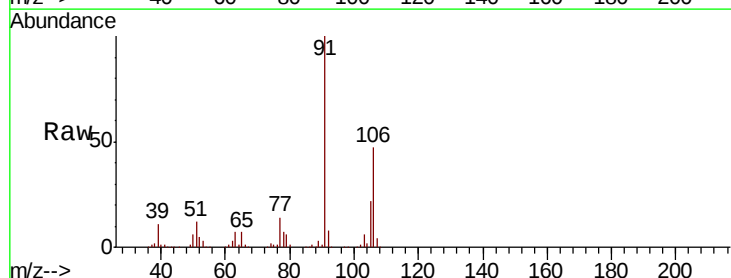
Acq: 8 May 2020 10:04

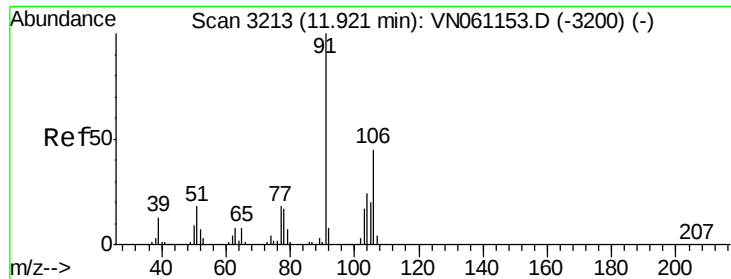
Tgt Ion: 106 Resp: 243730

Ion Ratio Lower Upper

106 100

91 211.5 166.4 249.6





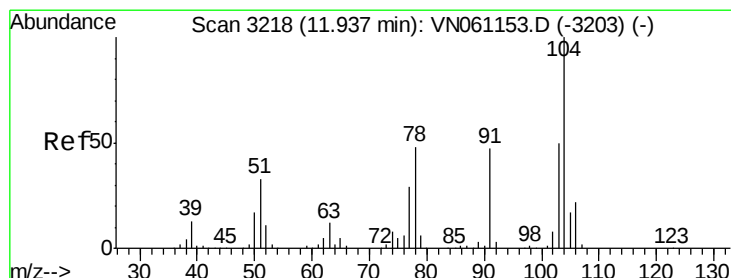
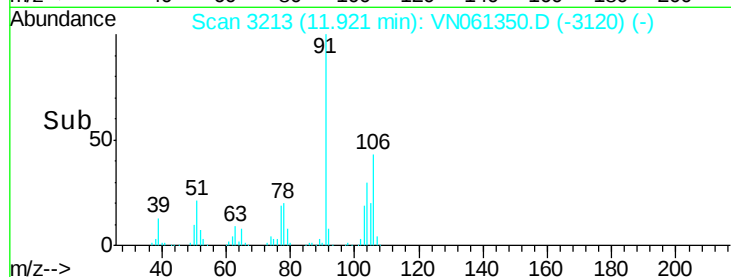
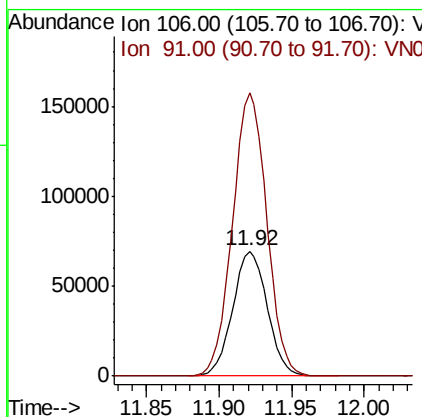
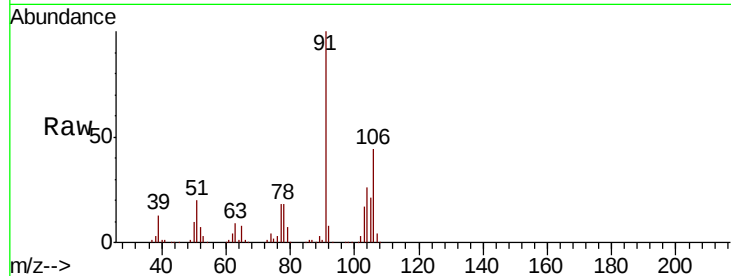
#69
o-Xylene
Concen: 53.706 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	114691		
91	91	224.8	109.7	329.0	

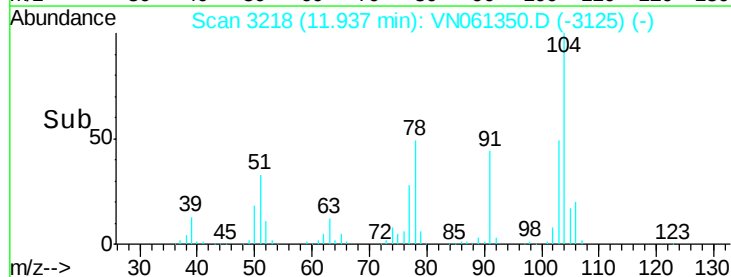
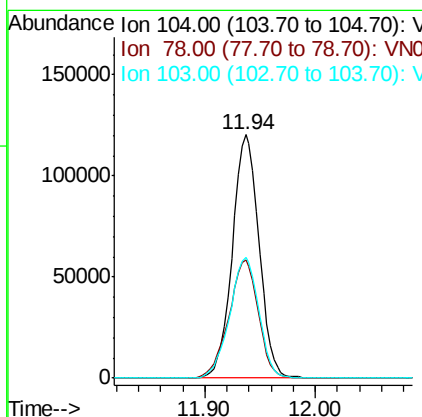
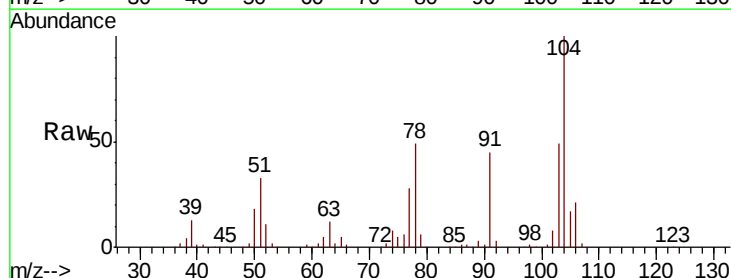
Manual Integrations
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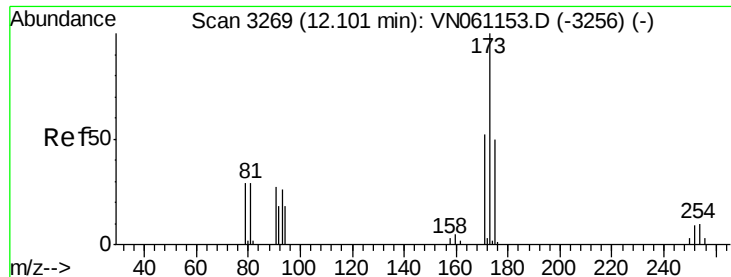
MMDadoda
5/11/2020 12:36:33 PM



#70
Styrene
Concen: 56.628 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	202404		
78	78	53.4	42.1	63.1	
103	103	54.0	43.3	64.9	





#71

Bromoform

Concen: 58.663 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 50068

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.4

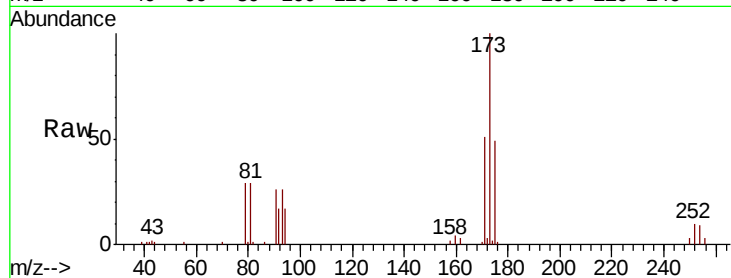
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

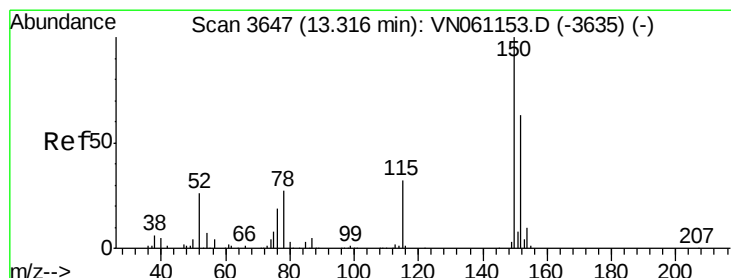
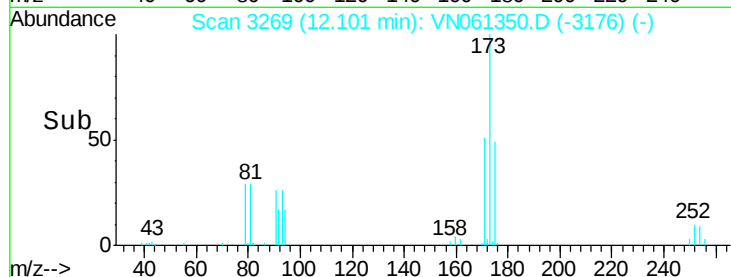
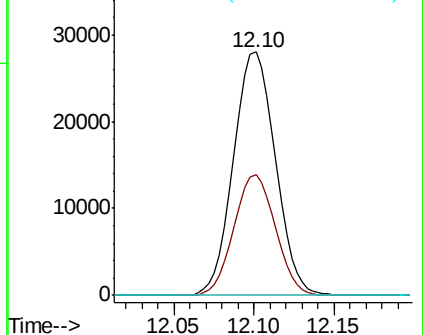
5/11/2020 12:36:33 PM



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# 3648

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

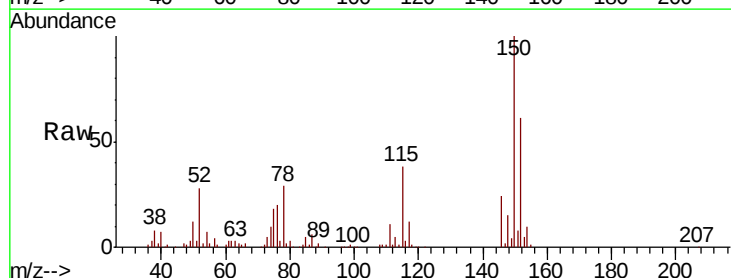
Tgt Ion:152 Resp: 79858

Ion Ratio Lower Upper

152 100

115 62.6 31.0 93.0

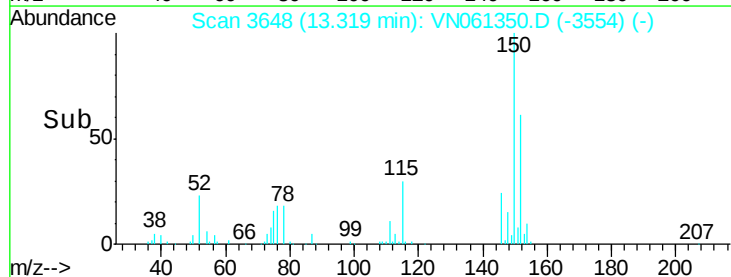
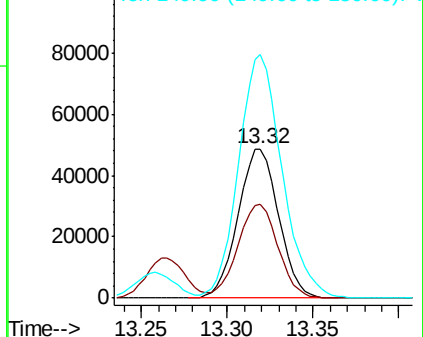
150 175.4 0.0 351.8

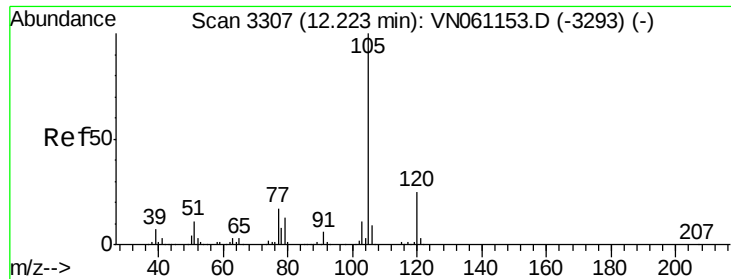


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





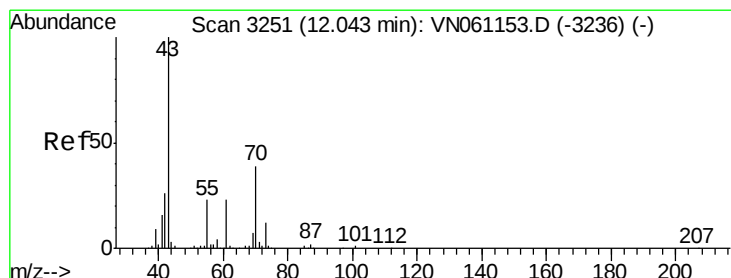
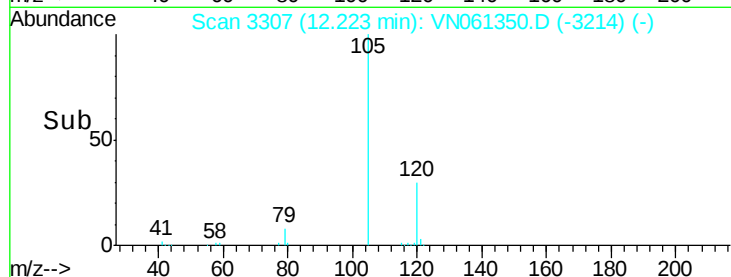
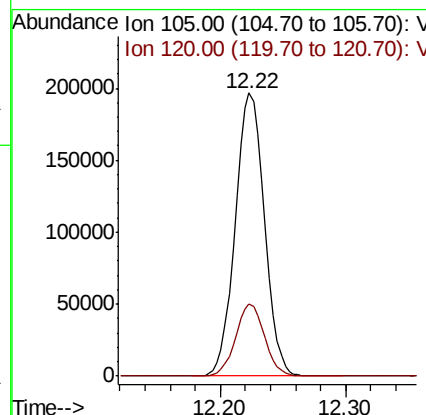
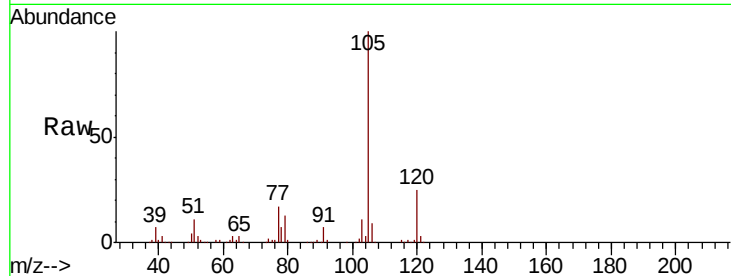
#73
Isopropylbenzene
Concen: 53.978 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.8

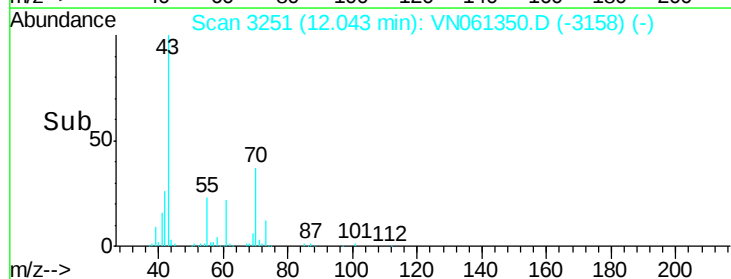
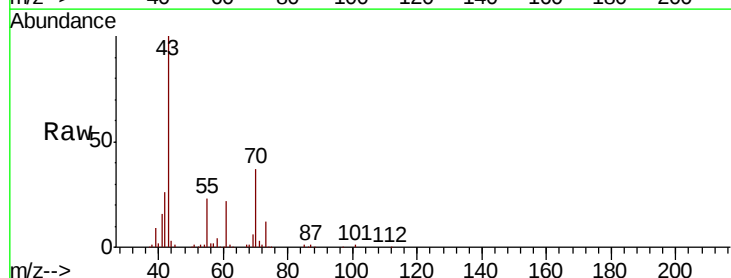
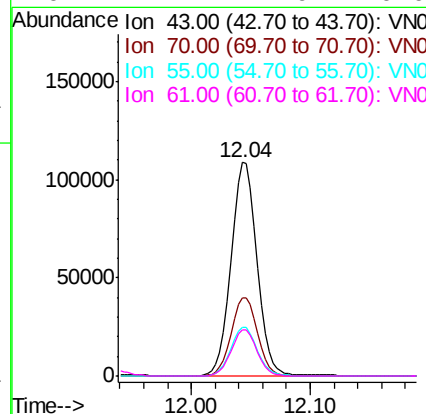
Manual Integrations
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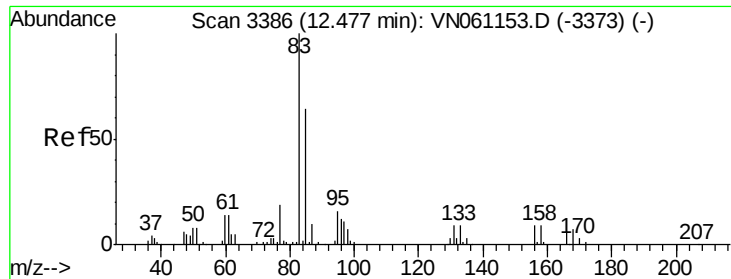
MMDadoda
5/11/2020 12:36:33 PM



#74
N-ethyl acetate
Concen: 55.516 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	30.6	46.0
55	23.4	18.5	27.7
61	21.7	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.692 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

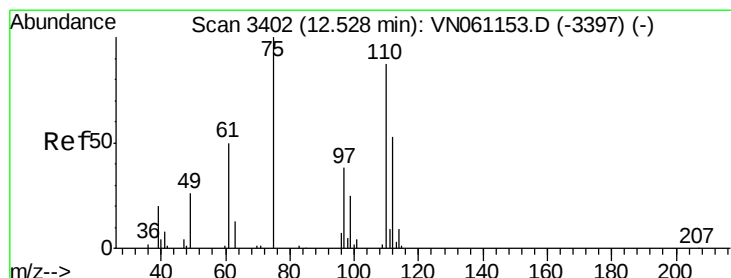
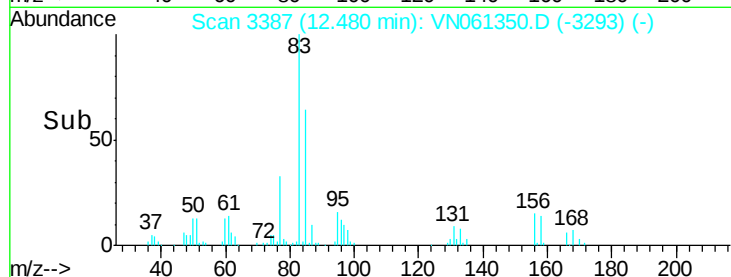
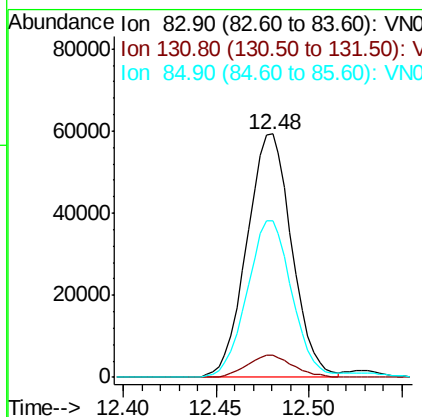
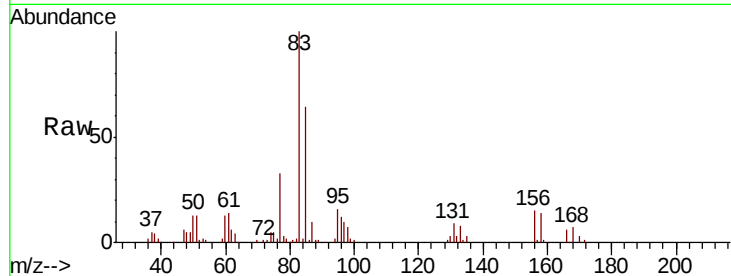
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	100117
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 54.675 ug/l m

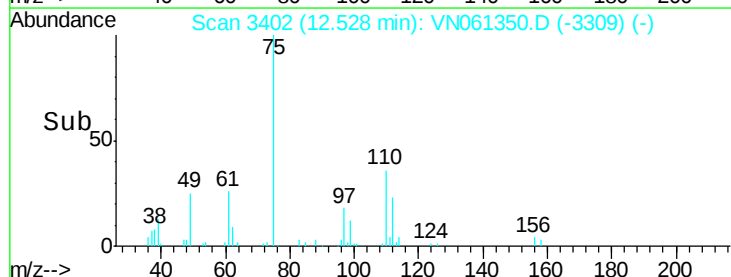
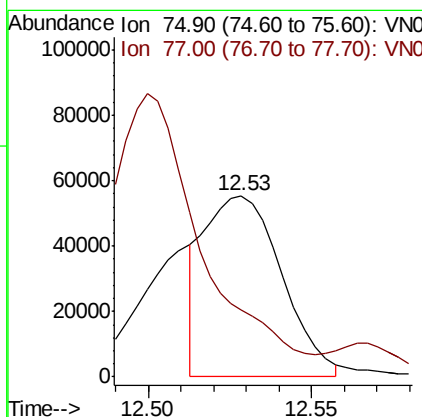
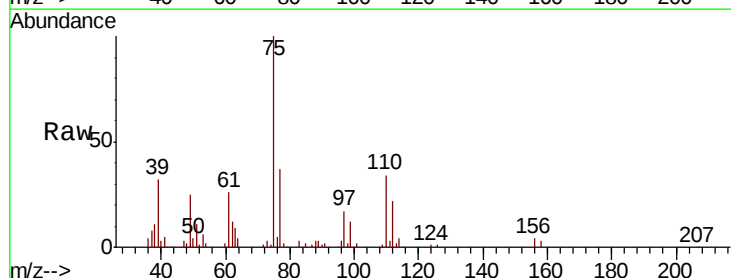
RT: 12.53 min Scan# 3402

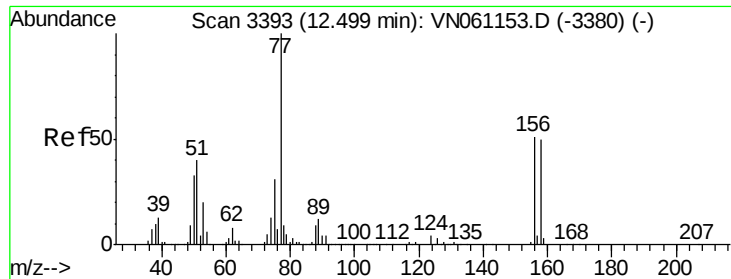
Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Tgt Ion:	75	Resp:	92052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.919 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

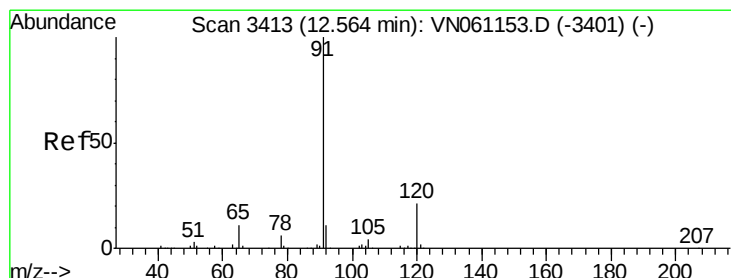
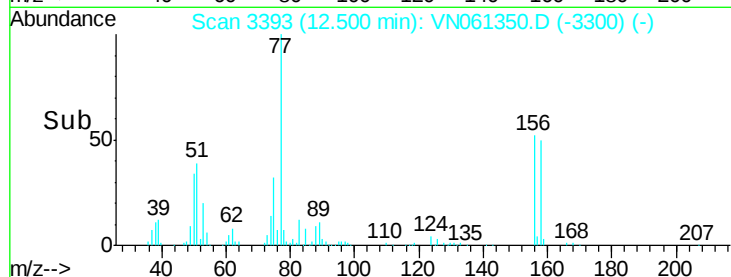
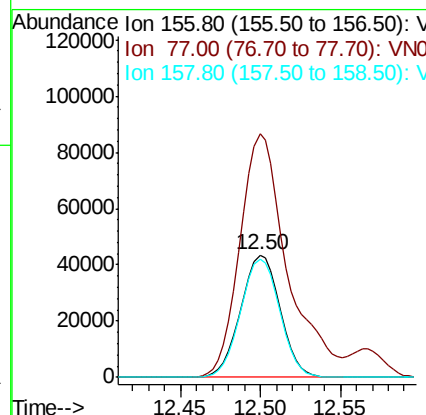
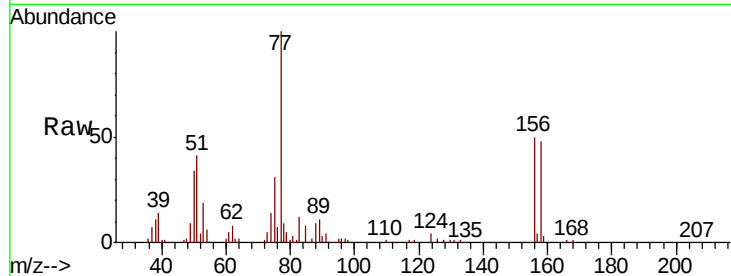
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	240.7	117.4	352.2
158	96.2	48.4	145.0

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#78

n-propylbenzene

Concen: 54.783 ug/l

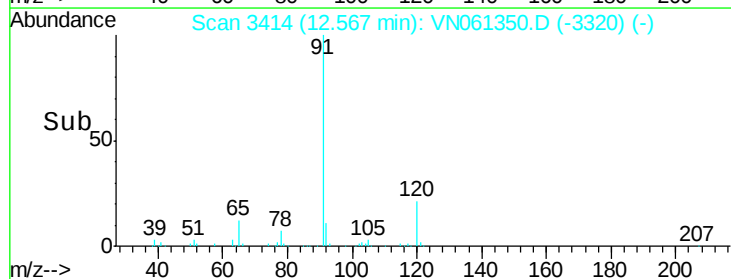
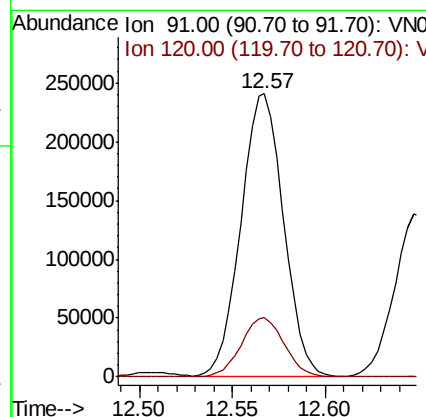
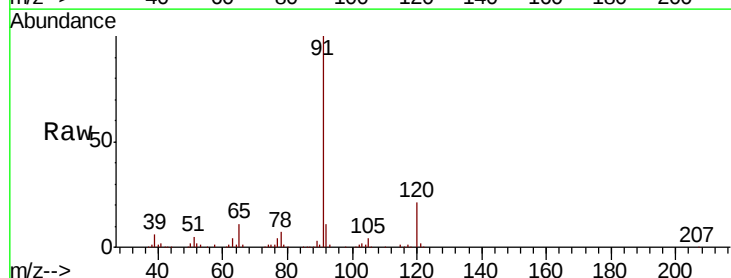
RT: 12.57 min Scan# 3414

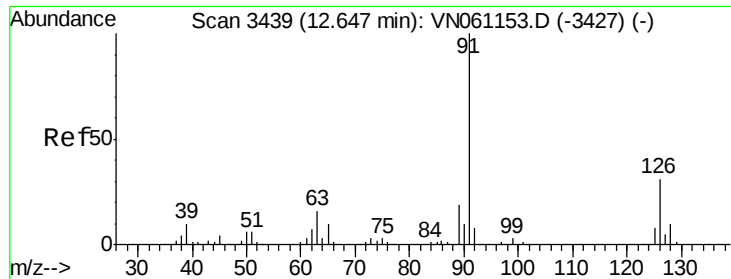
Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.3





#79

2-Chlorotoluene

Concen: 54.647 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 223664

Ion Ratio Lower Upper

91 100

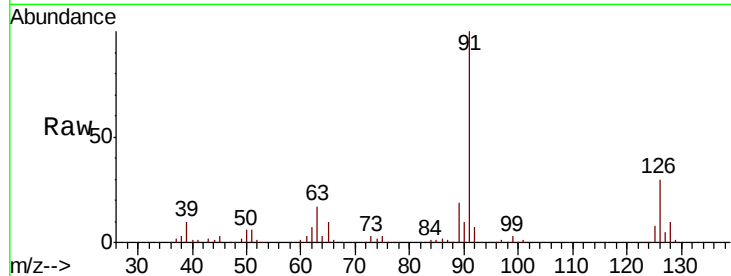
126 31.1 15.9 47.7

Manual Integrations

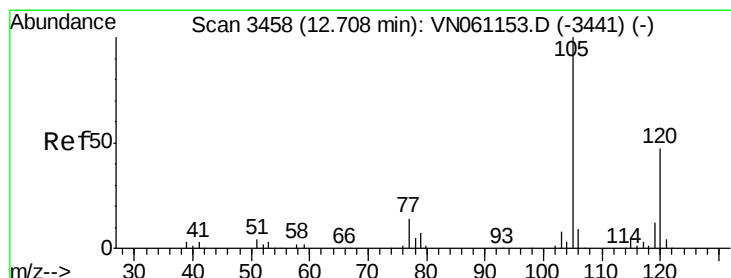
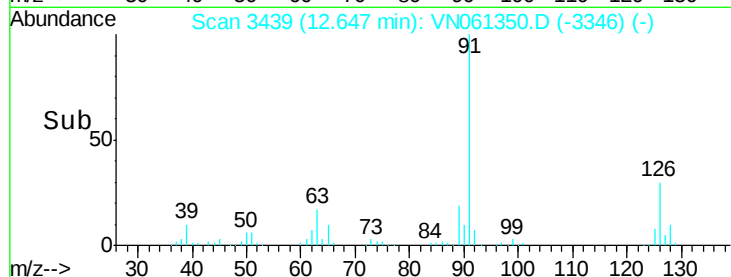
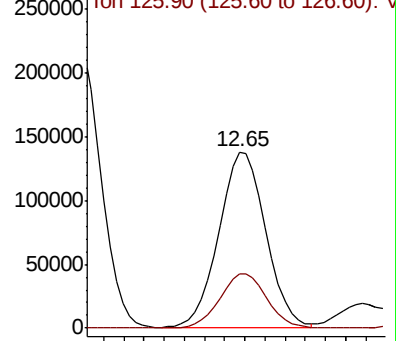
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Abundance Ion 91.00 (90.70 to 91.70): VN061350.D (-3346) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.042 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061350.D

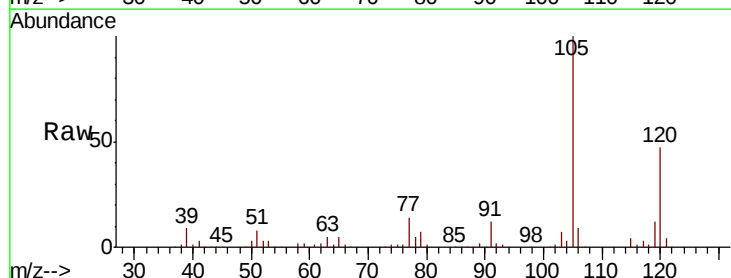
Acq: 8 May 2020 10:04

Tgt Ion: 105 Resp: 267447

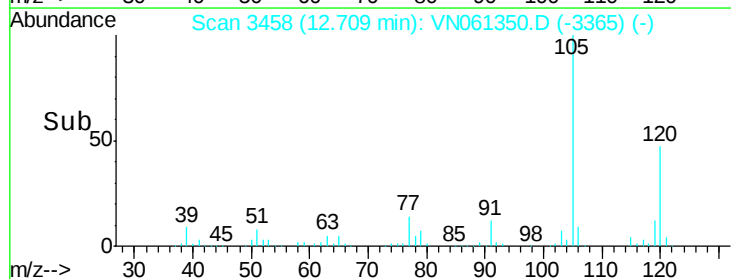
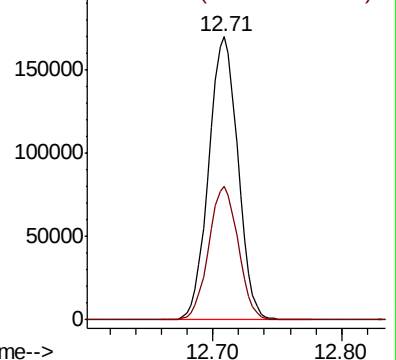
Ion Ratio Lower Upper

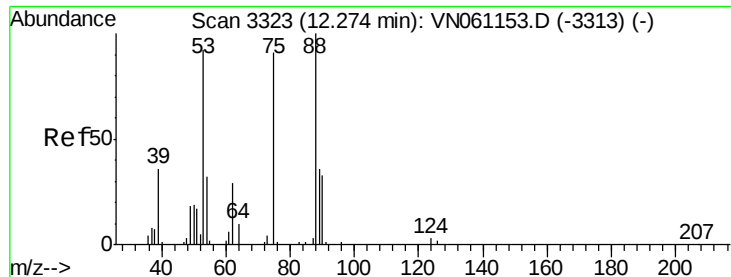
105 100

120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061350.D (-3365) (-)





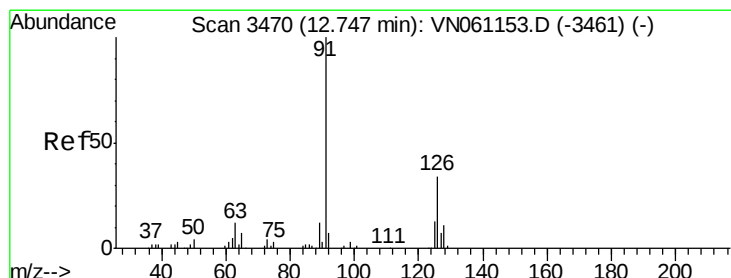
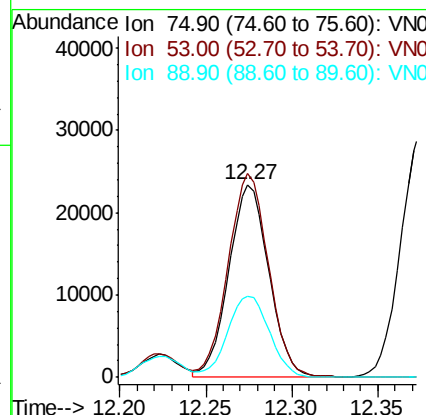
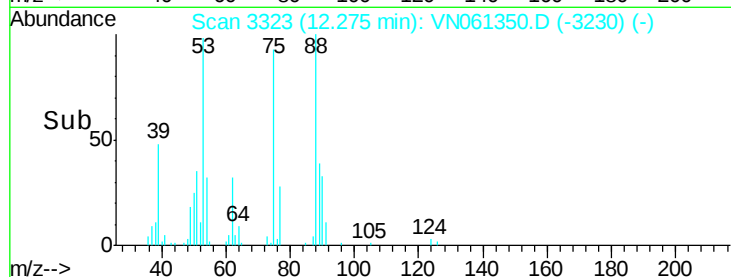
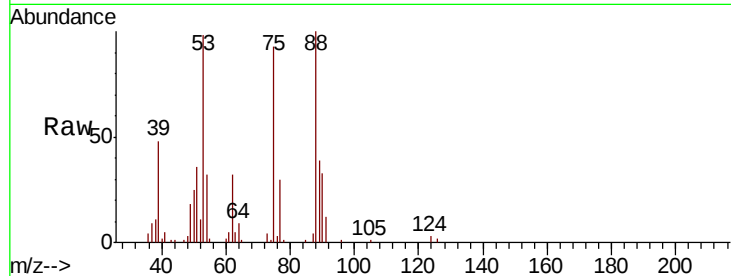
#81
trans-1,4-Dichloro-2-butene
Concen: 57.204 ug/l
RT: 12.27 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	84.1	126.1
89	43.9	35.2	52.8

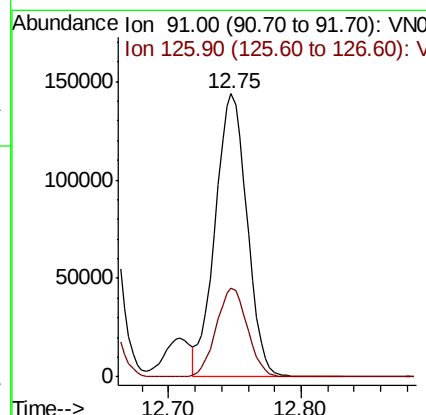
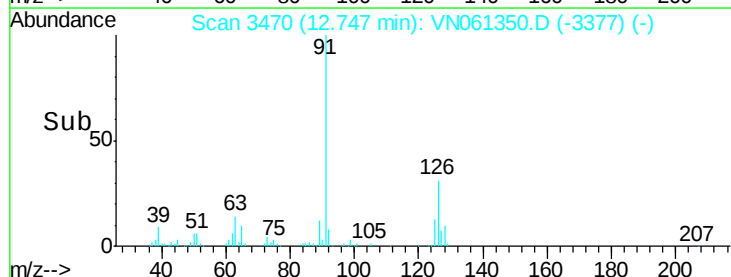
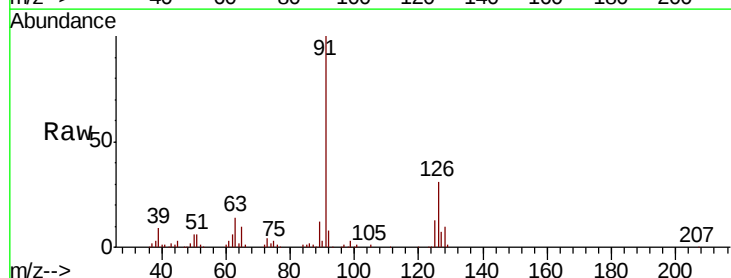
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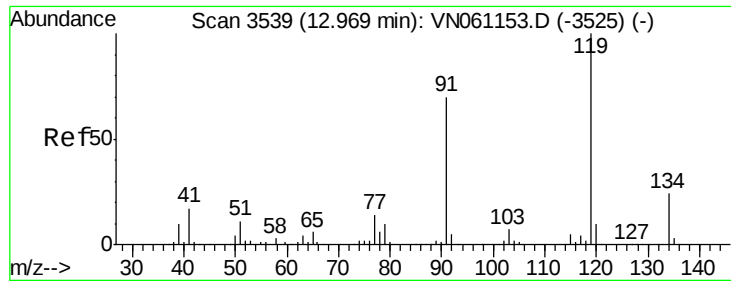
MMDadoda
5/11/2020 12:36:33 PM



#82
4-Chlorotoluene
Concen: 55.541 ug/l
RT: 12.75 min Scan# 3470
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





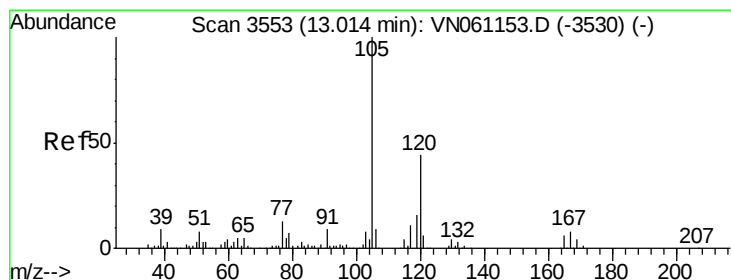
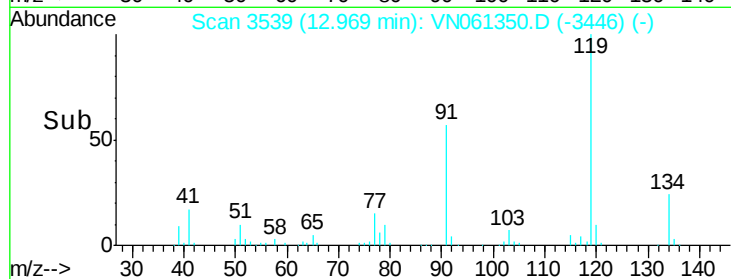
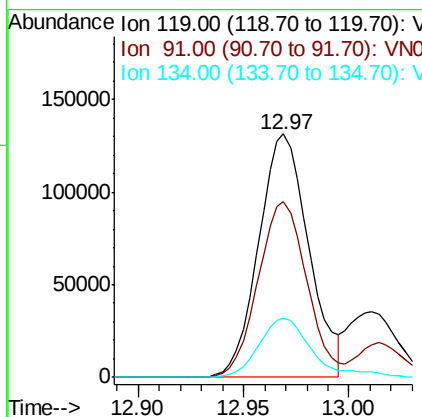
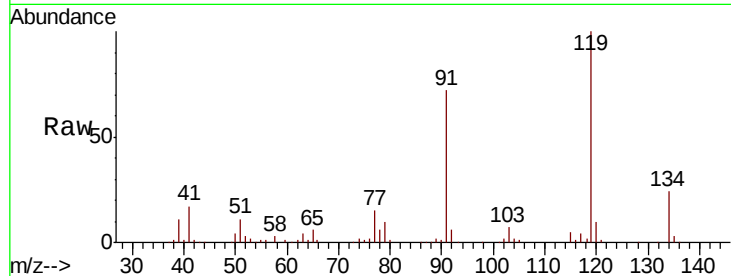
#83
 tert-Butylbenzene
 Concen: 53.011 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.8	104.4
134	26.0	12.9	38.7

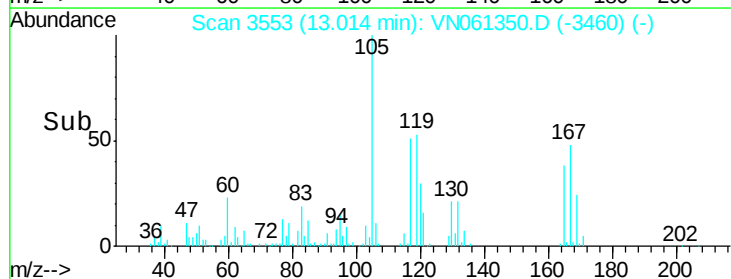
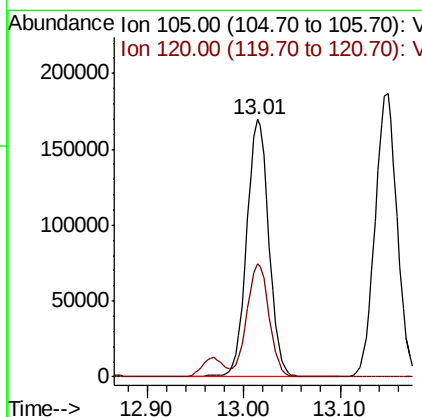
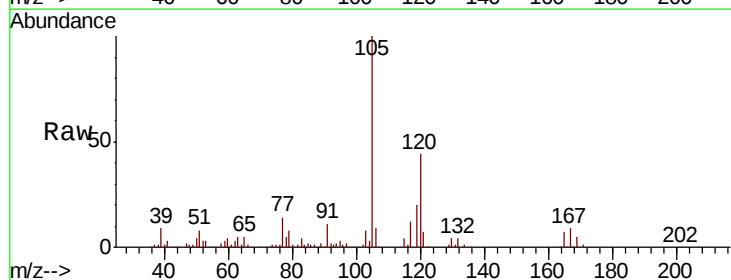
Manual Integrations
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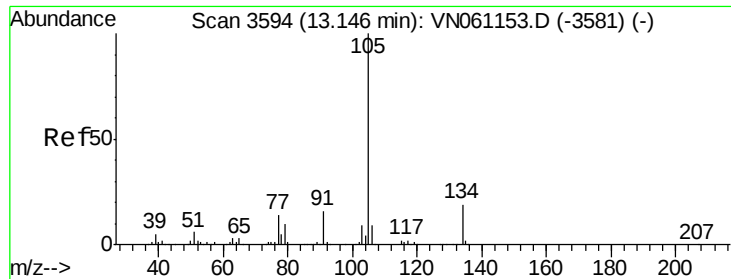
MMDadoda
 5/11/2020 12:36:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.867 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.2	66.6





#85

sec-Butylbenzene

Concen: 52.884 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 295408

Ion Ratio Lower Upper

105 100

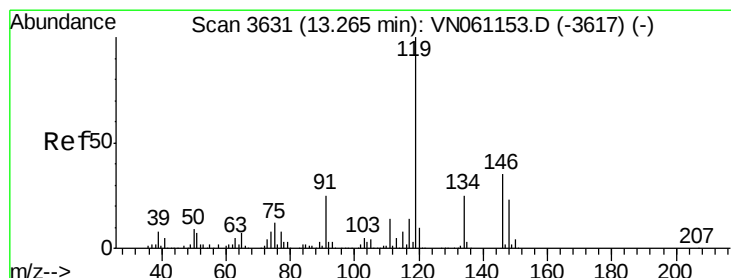
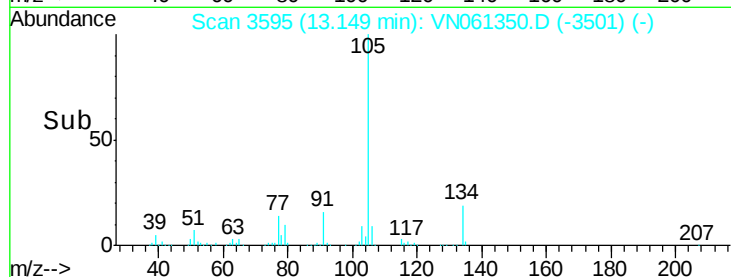
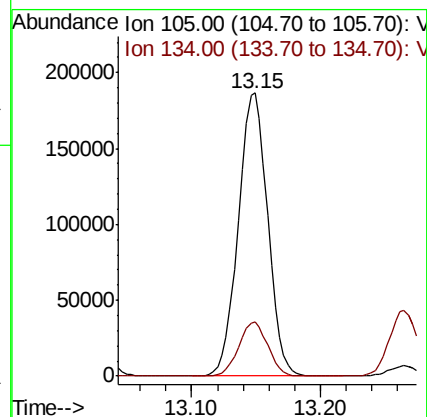
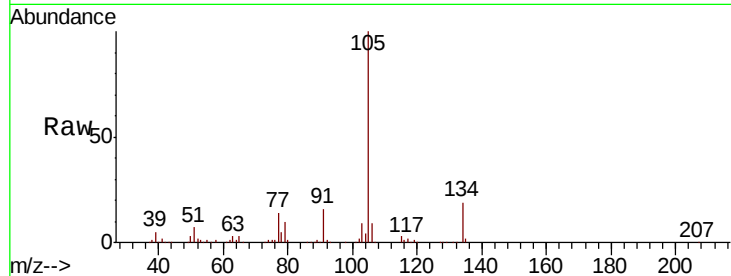
134 18.9 9.6 28.8

Manual Integrations

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5/11/2020 12:36:33 PM



#86

p-Isopropyltoluene

Concen: 53.803 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061350.D

Acq: 8 May 2020 10:04

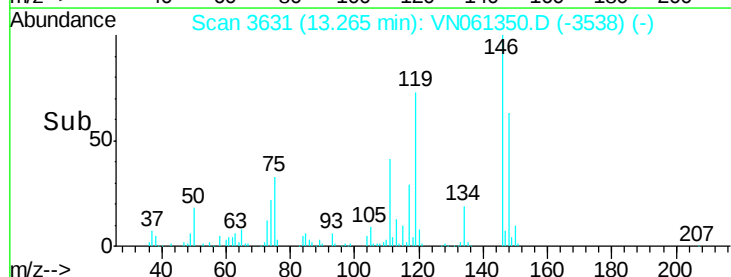
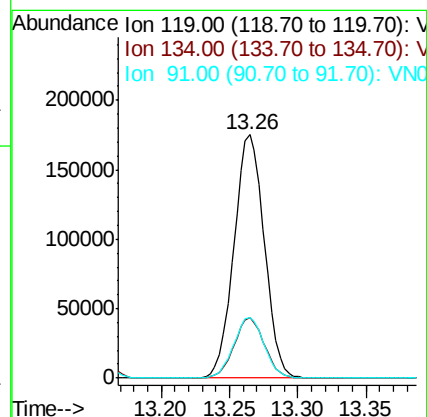
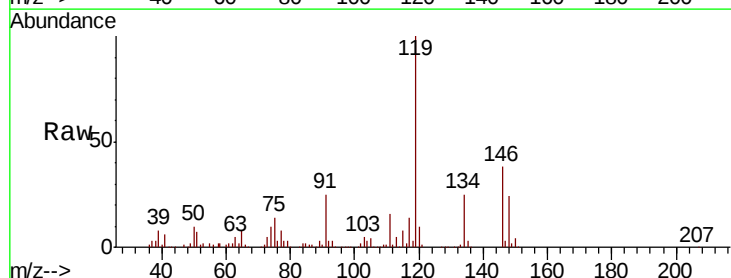
Tgt Ion:119 Resp: 270782

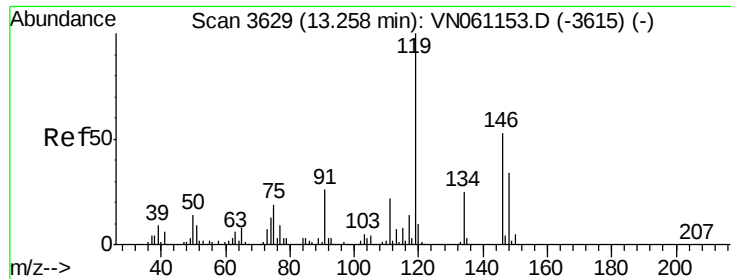
Ion Ratio Lower Upper

119 100

134 24.6 12.6 37.6

91 25.0 12.7 38.0





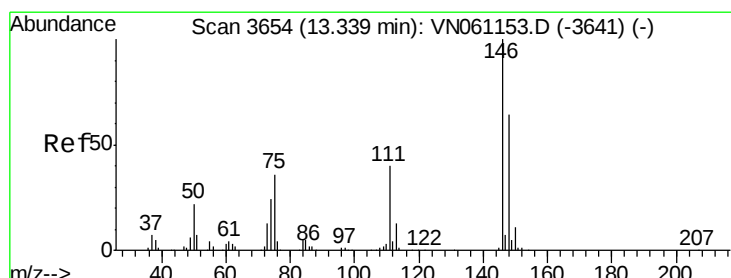
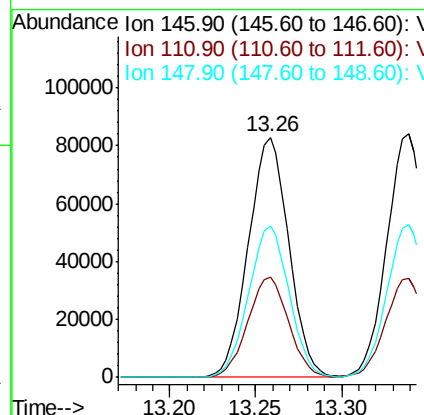
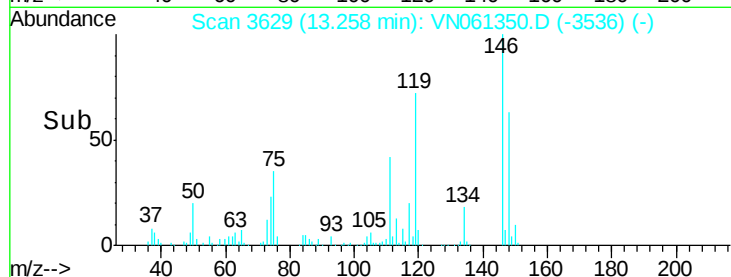
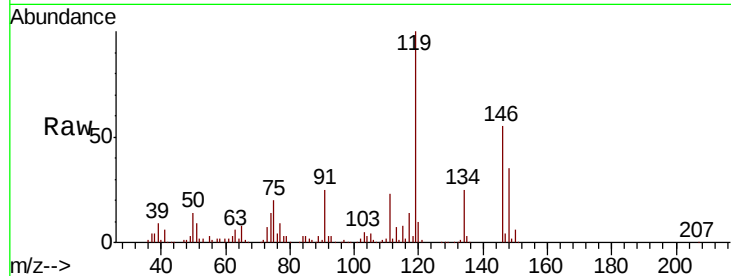
#87
 1,3-Dichlorobenzene
 Concen: 54.201 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.7	62.1
148	63.3	31.8	95.3

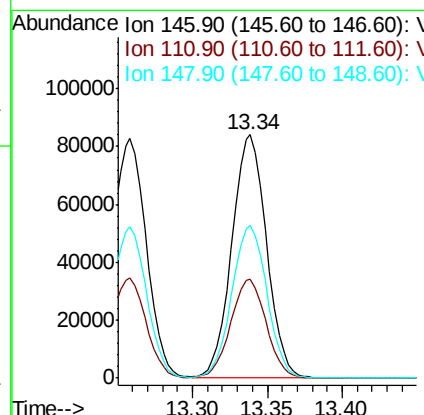
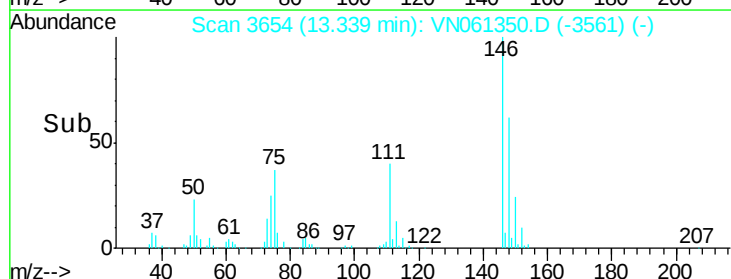
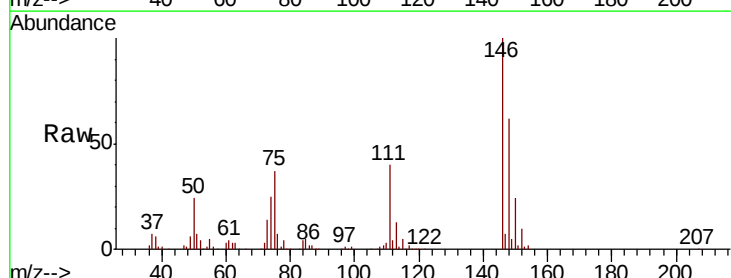
Manual Integrations
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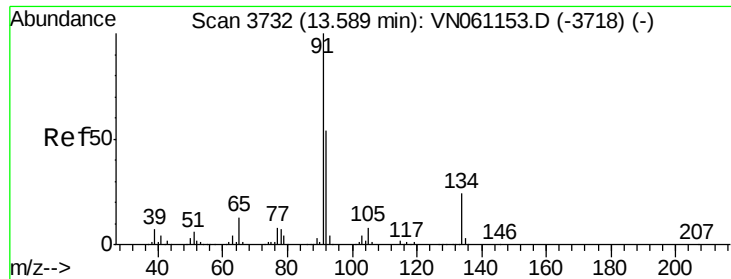
MMDadoda
 5/11/2020 12:36:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.357 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	63.6	31.9	95.7





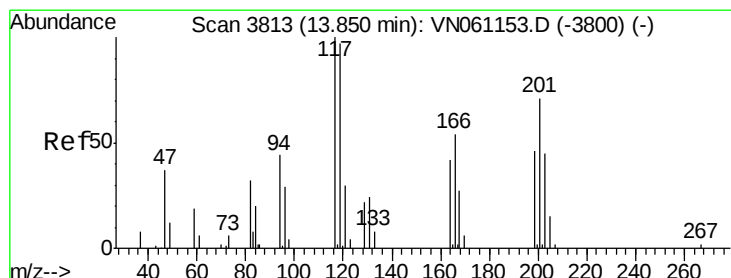
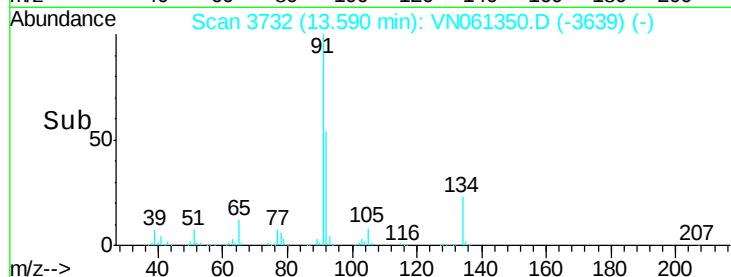
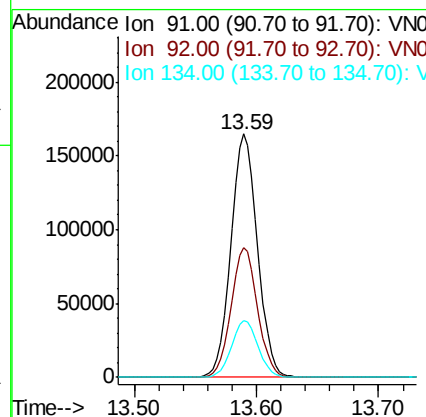
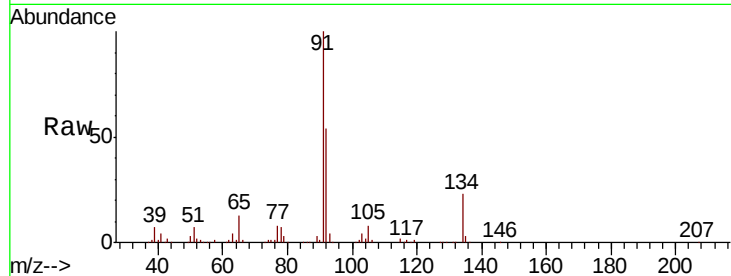
#89
n-Butylbenzene
Concen: 54.400 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	23.4	11.9	35.5

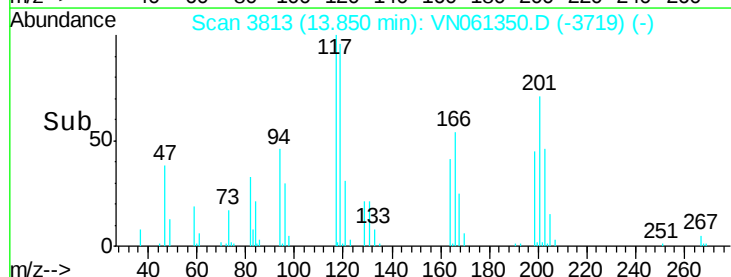
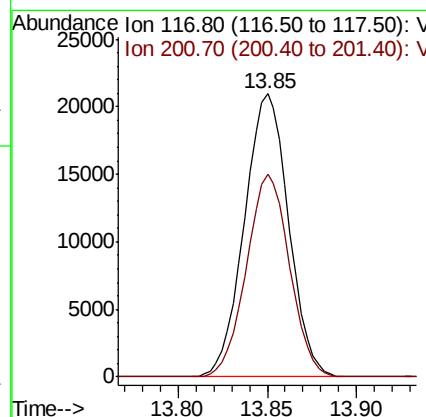
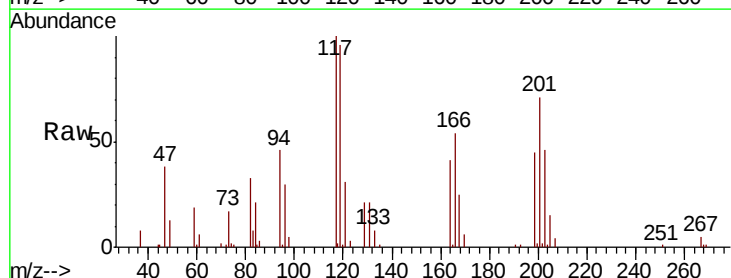
Manual Integrations
APPROVED

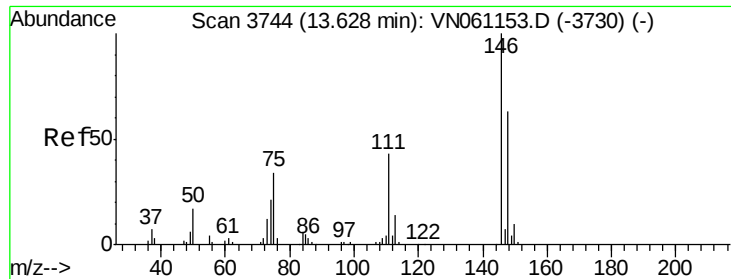
MMDadoda
5/11/2020 12:36:33 PM



#90
Hexachloroethane
Concen: 66.040 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.5	106.7





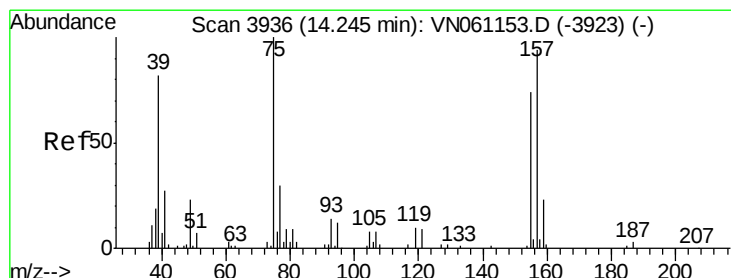
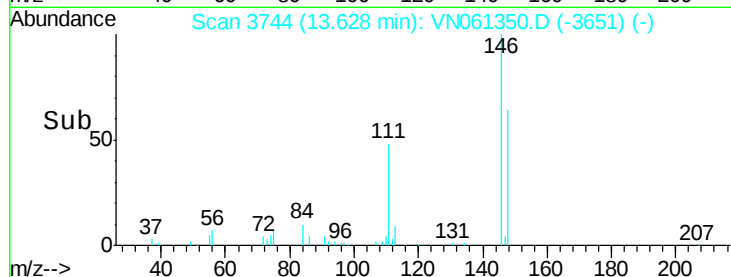
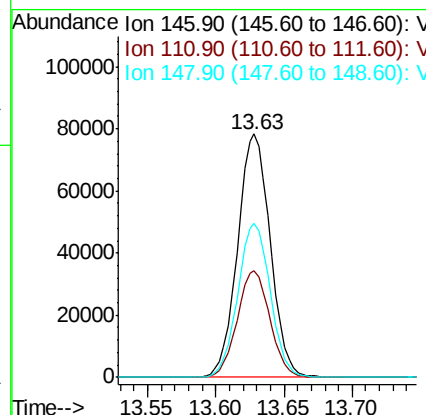
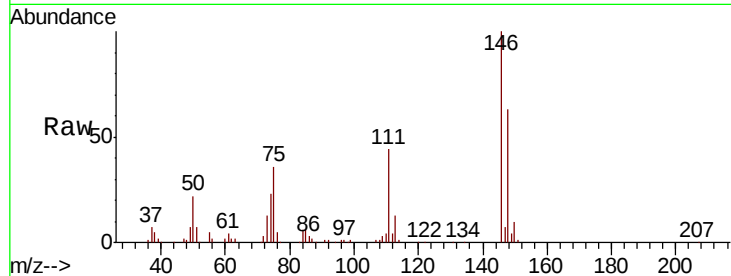
#91
 1,2-Dichlorobenzene
 Concen: 54.367 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.0	31.6	95.0

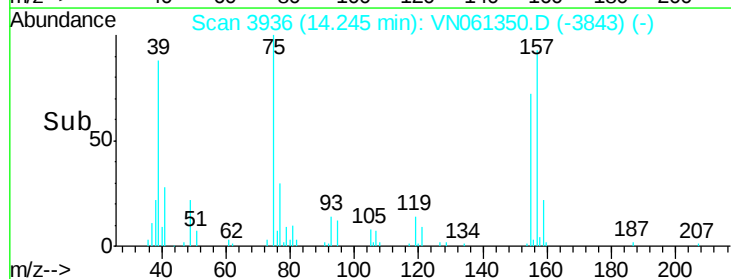
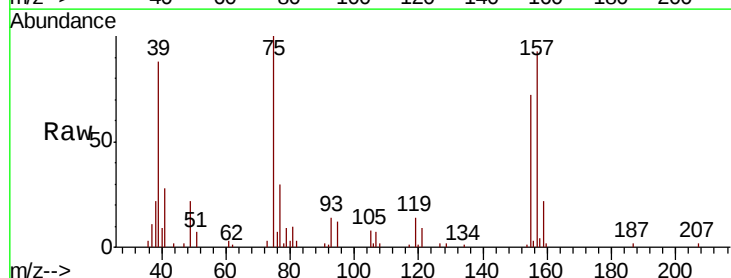
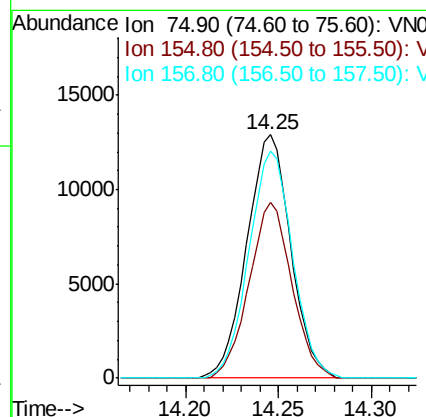
Manual Integrations
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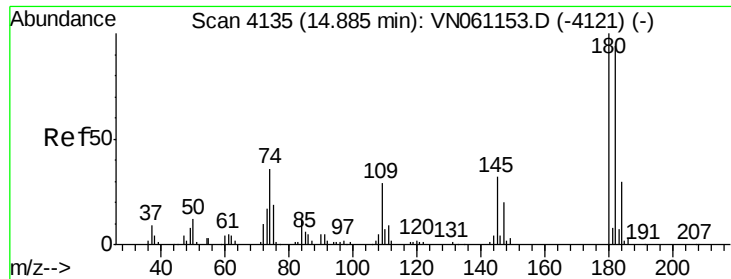
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.176 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	36.5	109.7
157	92.9	46.6	139.7





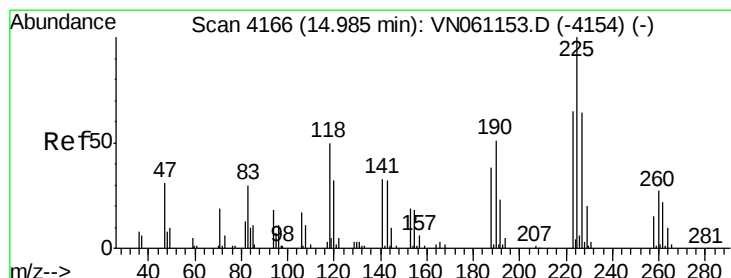
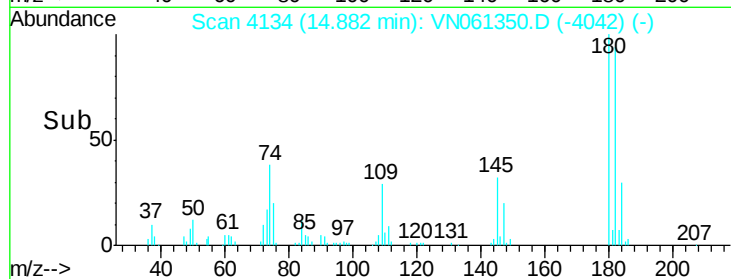
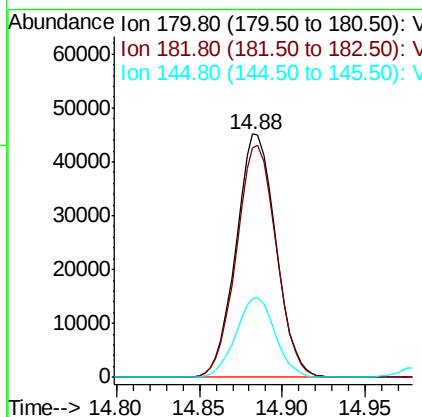
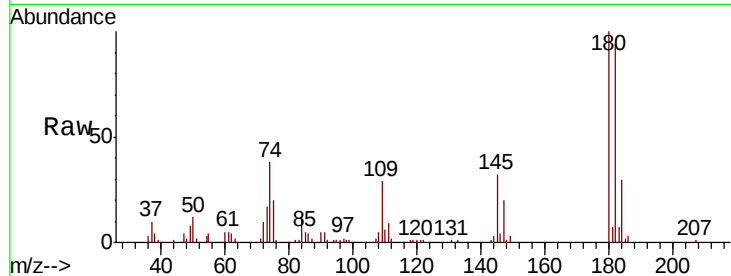
#93
 1,2,4-Trichlorobenzene
 Concen: 51.829 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	32.3	16.0	47.9

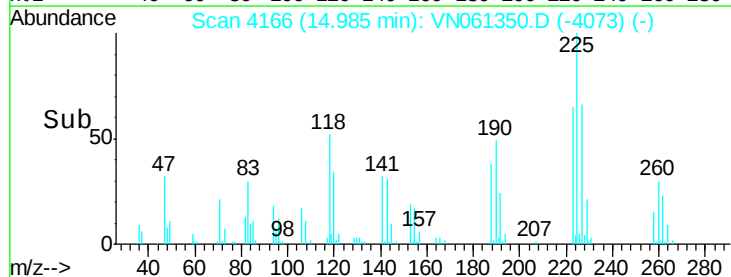
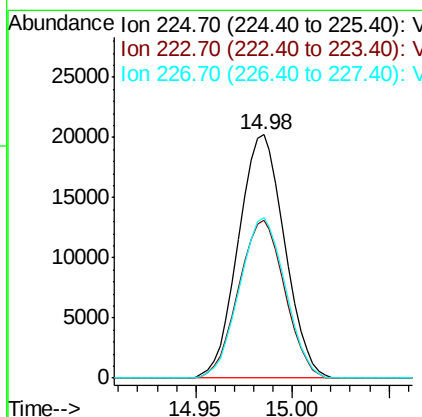
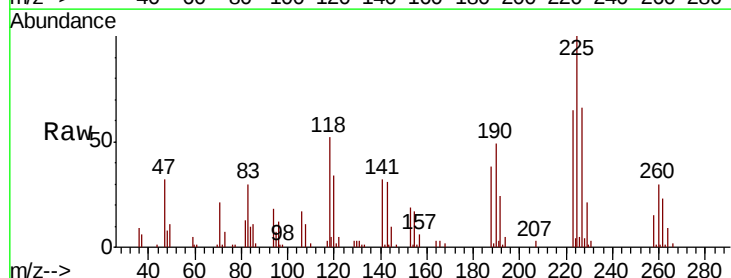
Manual Integrations
 APPROVED

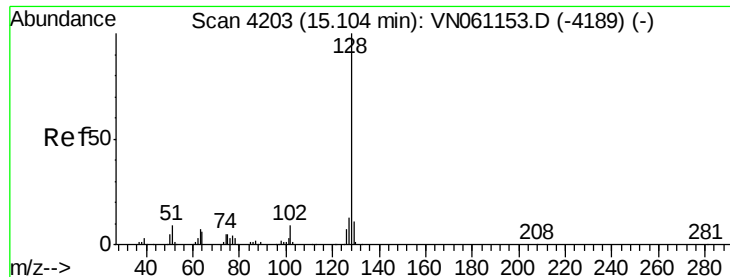
MMDadoda
 5/11/2020 12:36:33 PM



#94
 Hexachlorobutadiene
 Concen: 55.271 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061350.D
 Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.4	97.0
227	65.5	32.4	97.0





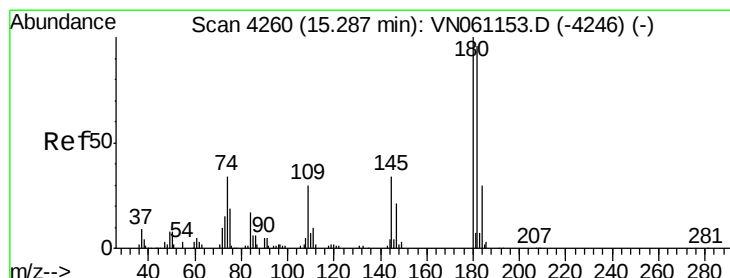
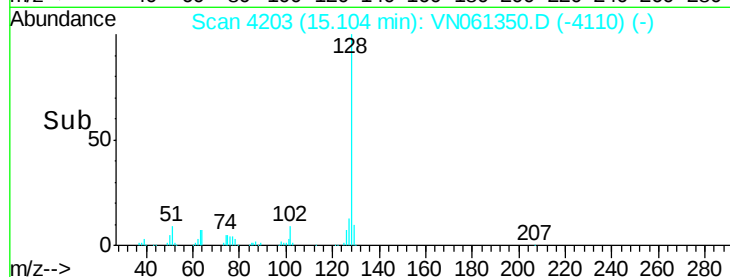
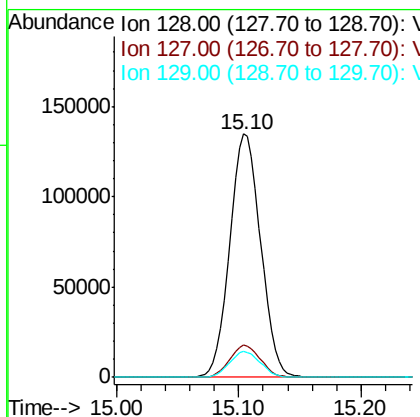
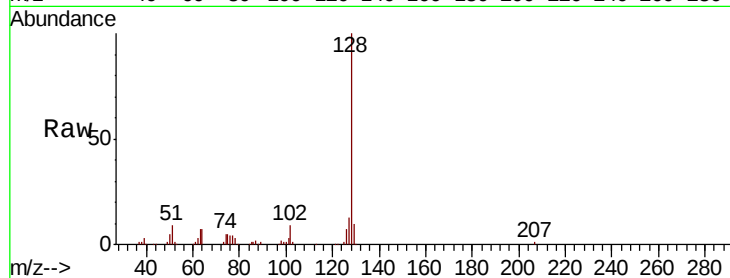
#95
Naphthalene
Concen: 50.098 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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5/11/2020 12:36:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.887 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061350.D
Acq: 8 May 2020 10:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	34.7	16.9	50.7

