

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061834.D
 Acq On : 16 Jun 2020 18:37
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:44:58 PM

Quant Time: Jun 17 01:09:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	160361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	260468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	102594	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	7.55	113	86089	58.71	ug/l	0.00
Spiked Amount			Recovery	=	117.42%	
50) Toluene-d8	10.06	98	335782	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.38	95	116452	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	106701	61.689	ug/l	100
3) Chloromethane	2.03	50	115814	57.512	ug/l	100
4) Vinyl Chloride	2.16	62	140639	52.118	ug/l	100
5) Bromomethane	2.53	94	98853	61.028	ug/l	100
6) Chloroethane	2.67	64	92746	52.923	ug/l	100
7) Trichlorofluoromethane	2.98	101	164738	47.966	ug/l	100
8) Diethyl Ether	3.37	74	55091	51.268	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81812	52.376	ug/l	100
10) Methyl Iodide	3.91	142	94482	45.294	ug/l	100
11) Tert butyl alcohol	4.73	59	72376	275.894	ug/l	100
12) 1,1-Dichloroethene	3.70	96	82987	50.005	ug/l	100
13) Acrolein	3.57	56	41925	359.835	ug/l	100
14) Allyl chloride	4.27	41	110609	50.991	ug/l	100
15) Acrylonitrile	4.93	53	190185	264.772	ug/l	100
16) Acetone	3.77	43	146435	213.703	ug/l	100
17) Carbon Disulfide	4.01	76	244228	63.386	ug/l	100
18) Methyl Acetate	4.27	43	90030	51.386	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	275793	49.113	ug/l	100
20) Methylene Chloride	4.50	84	97171	40.878	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	94740	50.472	ug/l	100
22) Diisopropyl ether	5.90	45	245365	51.464	ug/l	100
23) Vinyl Acetate	5.84	43	991809	261.393	ug/l	100
24) 1,1-Dichloroethane	5.80	63	159754	52.484	ug/l	100
25) 2-Butanone	6.78	43	233660	255.270	ug/l	100
26) 2,2-Dichloropropane	6.77	77	132437	48.005	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	108181	51.231	ug/l	100
28) Bromochloromethane	7.15	49	67960	51.103	ug/l	100
29) Tetrahydrofuran	7.17	42	153981	255.678	ug/l	100
30) Chloroform	7.33	83	170085	50.881	ug/l	100
31) Cyclohexane	7.61	56	135907	50.048	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	146393	48.509	ug/l	100
36) 1,1-Dichloropropene	7.75	75	128884	51.824	ug/l	100
37) Ethyl Acetate	6.88	43	101734	51.317	ug/l	100
38) Carbon Tetrachloride	7.73	117	126322	52.743	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	144585	47.962	ug/l	100
40) Benzene	8.00	78	385491	50.366	ug/l	100
41) Methacrylonitrile	7.13	41	39874m	43.915	ug/l	
42) 1,2-Dichloroethane	8.09	62	131853	51.246	ug/l	100
43) Isopropyl Acetate	8.12	43	171498	48.225	ug/l	100
44) Trichloroethene	8.80	130	100399	44.029	ug/l	100
45) 1,2-Dichloropropane	9.09	63	96206	52.596	ug/l	100
46) Dibromomethane	9.18	93	67856	48.971	ug/l	100
47) Bromodichloromethane	9.37	83	137413	50.049	ug/l	100
48) Methyl methacrylate	9.17	41	76625	47.716	ug/l	100
49) 1,4-Dioxane	9.17	88	35584	1318.084	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	507478	252.219	ug/l	100
52) Toluene	10.12	92	252118	50.641	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	147941	50.063	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	160741	50.375	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	97256	49.137	ug/l	100
56) Ethyl methacrylate	10.40	69	135951	49.557	ug/l	100
57) 1,3-Dichloropropane	10.68	76	163470	51.309	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	256737	222.584	ug/l	100
59) 2-Hexanone	10.72	43	365788	253.117	ug/l	100
60) Dibromochloromethane	10.87	129	107919	48.487	ug/l	100
61) 1,2-Dibromoethane	10.98	107	101129	49.199	ug/l	100
64) Tetrachloroethene	10.60	164	83639	35.888	ug/l	100
65) Chlorobenzene	11.41	112	267928	49.320	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	97802	48.643	ug/l	100
67) Ethyl Benzene	11.48	91	474810	50.468	ug/l	100
68) m/p-Xylenes	11.59	106	369911	99.511	ug/l	100
69) o-Xylene	11.92	106	178408	50.468	ug/l	100
70) Styrene	11.94	104	304204	51.909	ug/l	100
71) Bromoform	12.10	173	72935	47.601	ug/l #	100
73) Isopropylbenzene	12.22	105	466265	49.236	ug/l	100
74) N-amyl acetate	12.05	43	153193	51.314	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	140738	52.226	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	117751m	49.649	ug/l	
77) Bromobenzene	12.50	156	113474	47.386	ug/l	100
78) n-propylbenzene	12.56	91	528810	49.912	ug/l	100
79) 2-Chlorotoluene	12.65	91	310622	49.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	391374	49.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	45811	49.729	ug/l	100
82) 4-Chlorotoluene	12.75	91	325510	49.069	ug/l	100
83) tert-Butylbenzene	12.97	119	329188	47.370	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	394540	50.251	ug/l	100
85) sec-Butylbenzene	13.15	105	430430	48.046	ug/l	100
86) p-Isopropyltoluene	13.26	119	394868	47.997	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	210713	49.338	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	211192	48.598	ug/l	100
89) n-Butylbenzene	13.59	91	323592	47.099	ug/l	100
90) Hexachloroethane	13.85	117	69619	69.663	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	205779	50.350	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24762	46.210	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	99388	42.982	ug/l	100
94) Hexachlorobutadiene	14.98	225	38259	38.906	ug/l	100
95) Naphthalene	15.10	128	291945	41.998	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	98644	43.379	ug/l	100

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

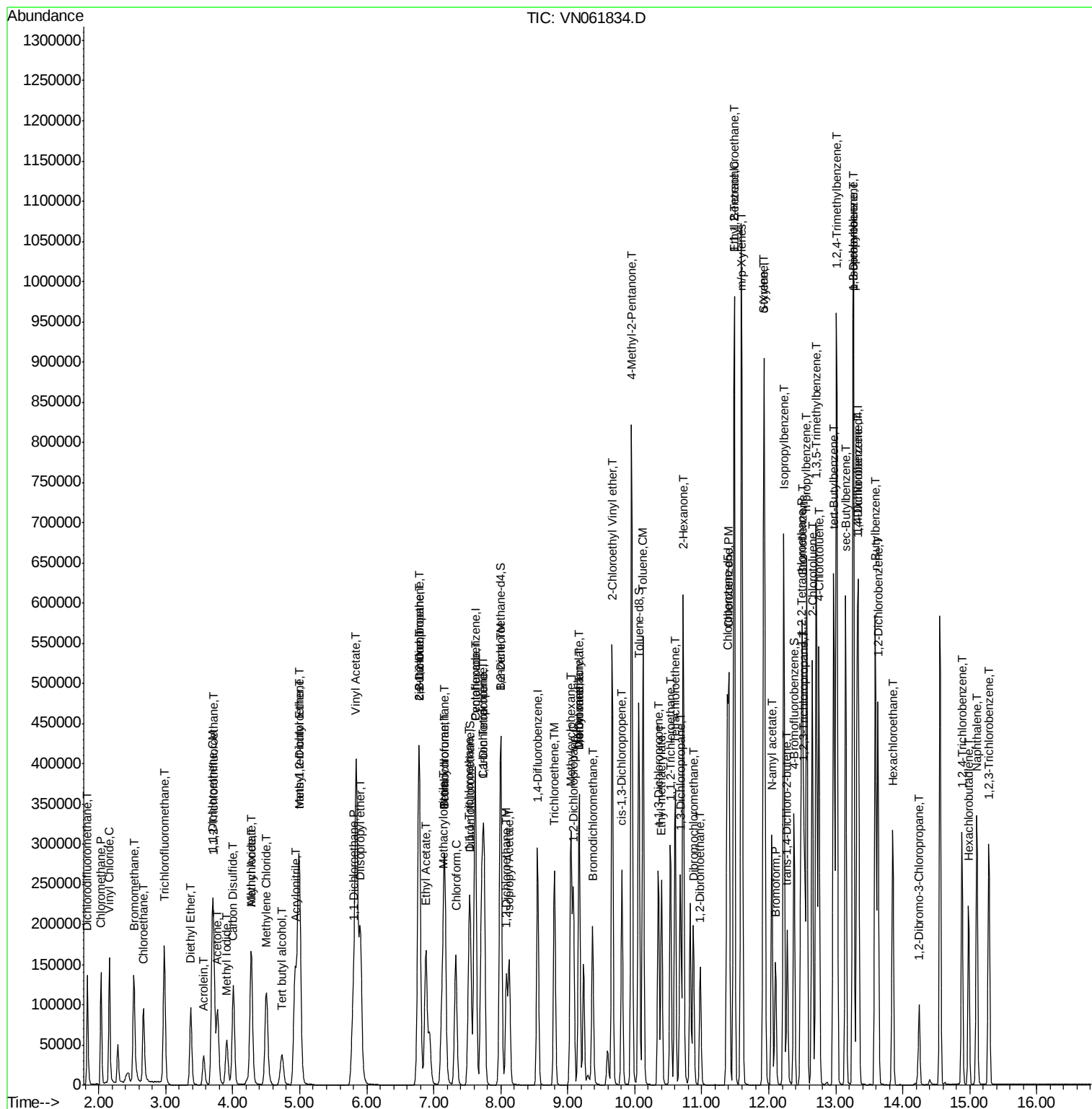
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
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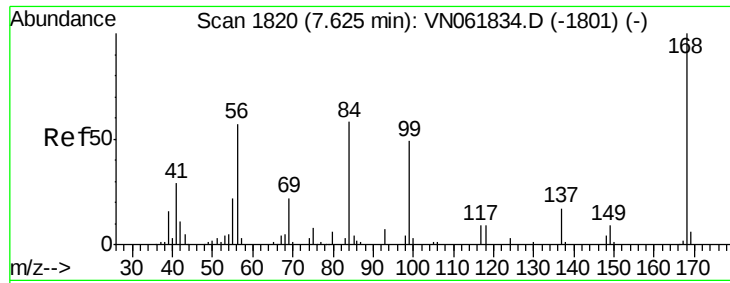
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 160361

Ion Ratio Lower Upper

168 100

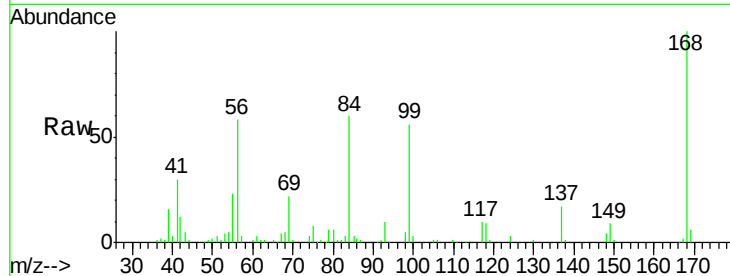
99 55.8 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

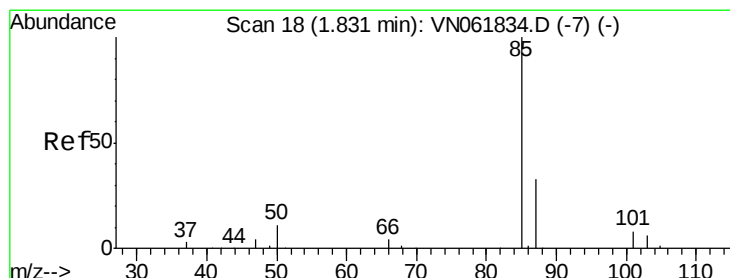
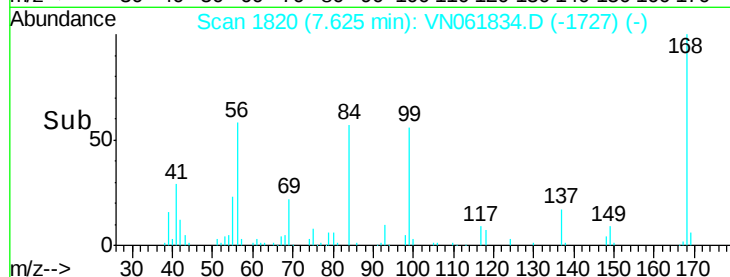
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 61.689 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061834.D

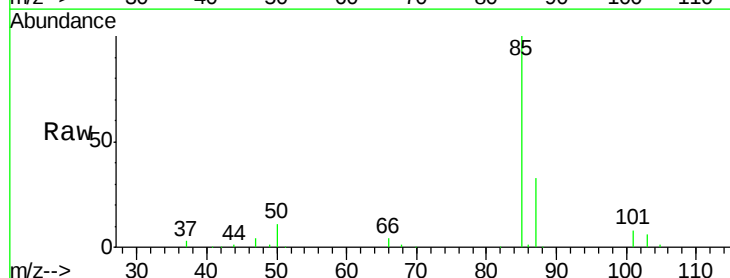
Acq: 16 Jun 2020 18:37

Tgt Ion: 85 Resp: 106701

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

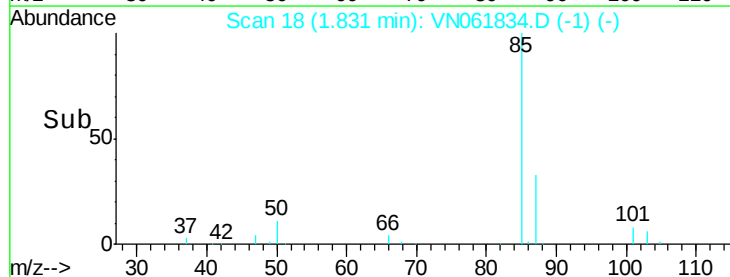
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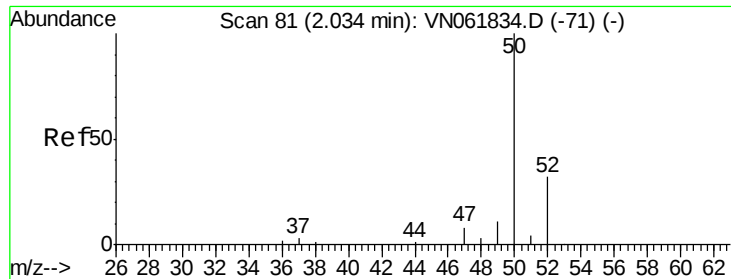
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 57.512 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 115814

Ion Ratio Lower Upper

50 100

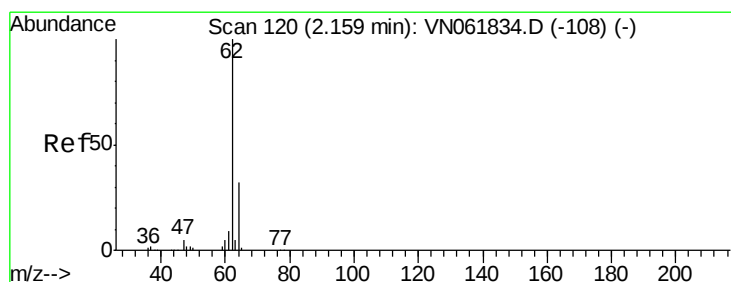
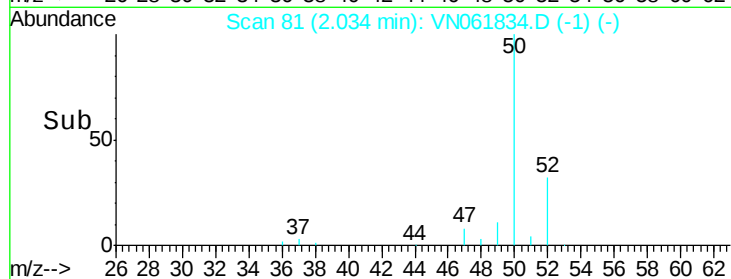
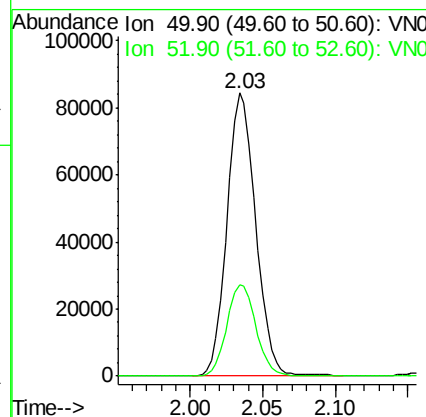
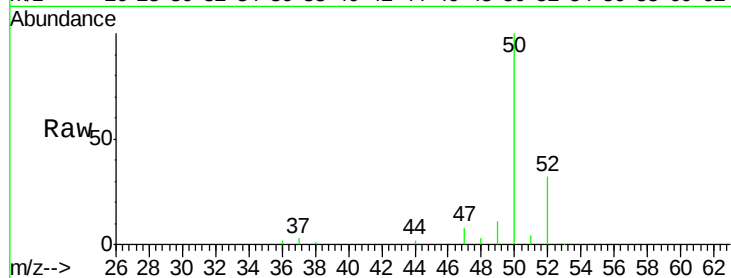
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.118 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061834.D

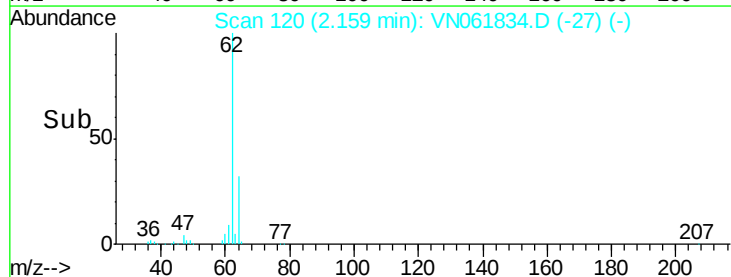
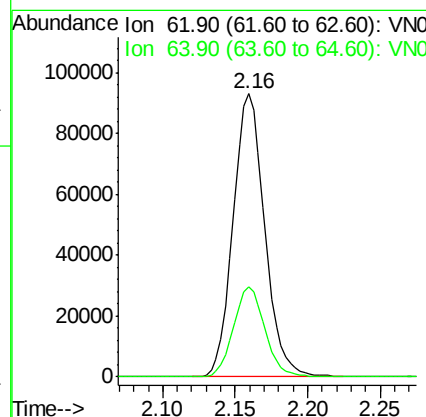
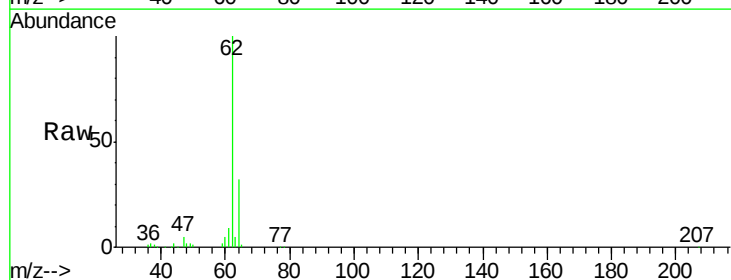
Acq: 16 Jun 2020 18:37

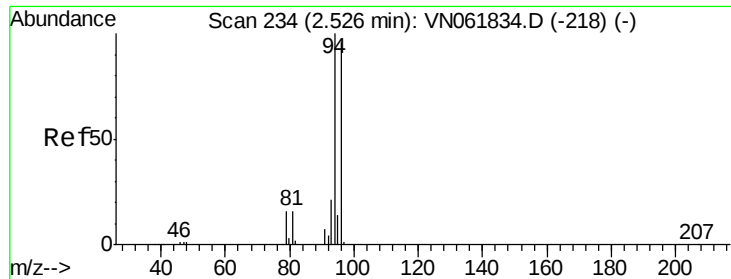
Tgt Ion: 62 Resp: 140639

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 61.028 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 98853

Ion Ratio Lower Upper

94 100

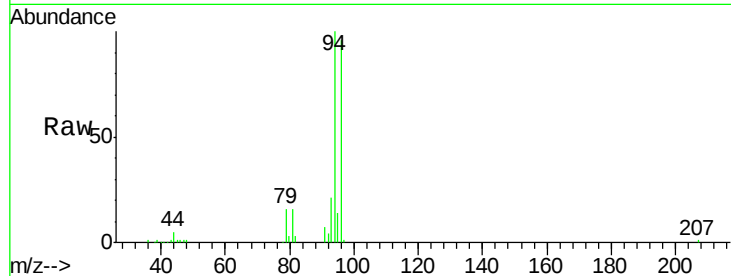
96 95.9 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

50000

40000

30000

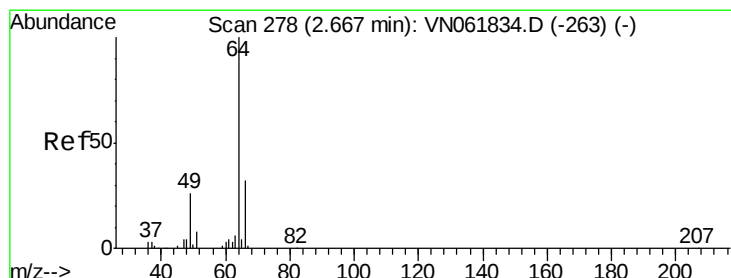
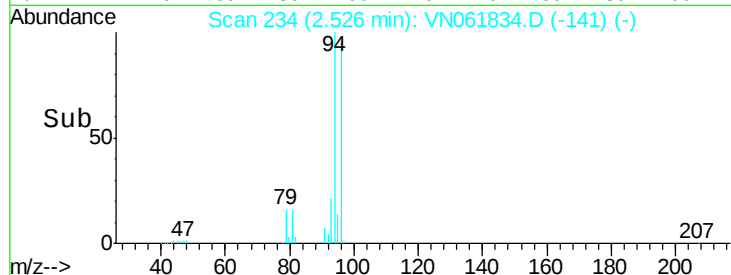
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Time-->

2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 52.923 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN061834.D

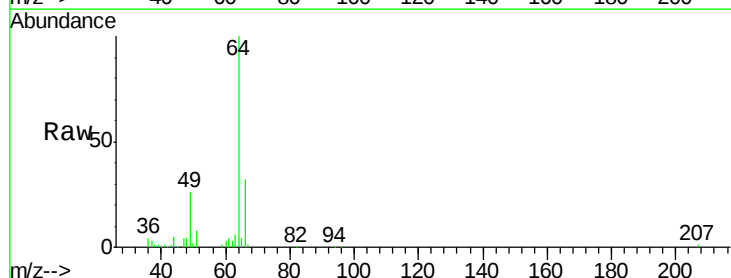
Acq: 16 Jun 2020 18:37

Tgt Ion: 64 Resp: 92746

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

50000

40000

30000

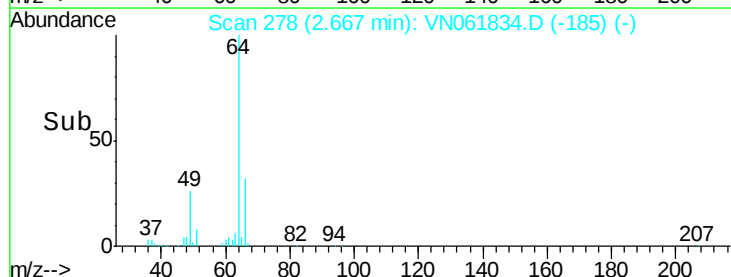
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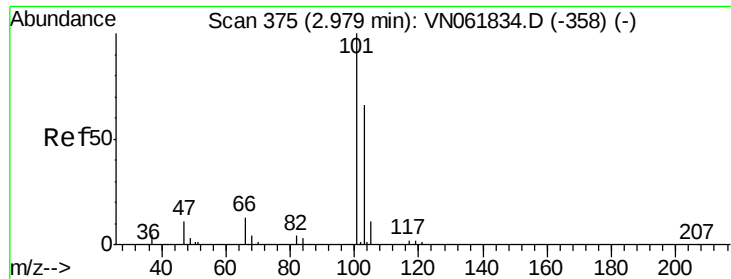
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Time-->

2.60 2.65 2.70 2.75





#7

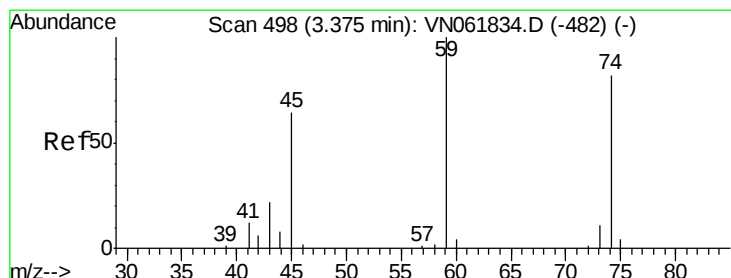
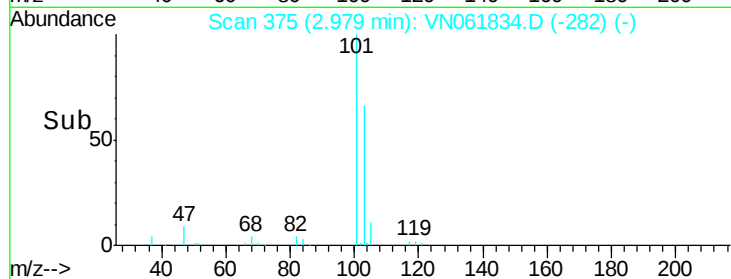
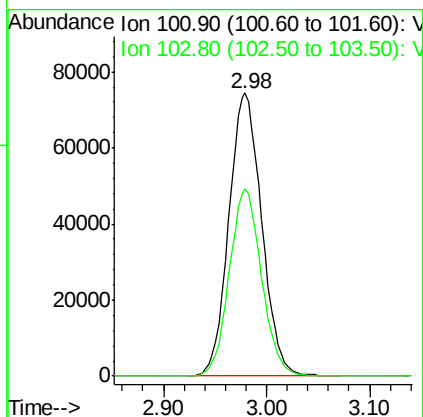
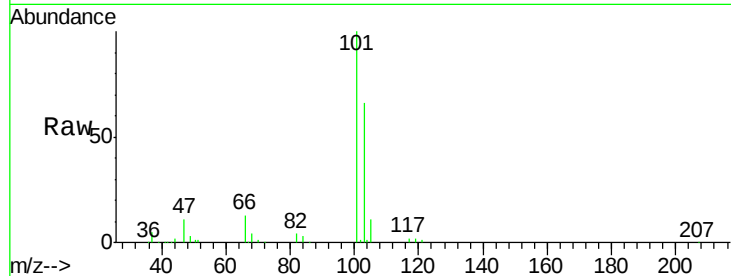
Trichlorofluoromethane
Concen: 47.966 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.8	79.2

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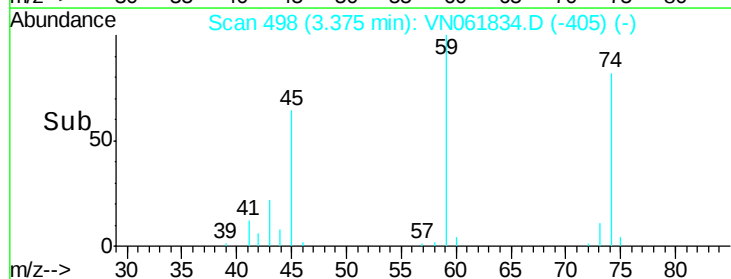
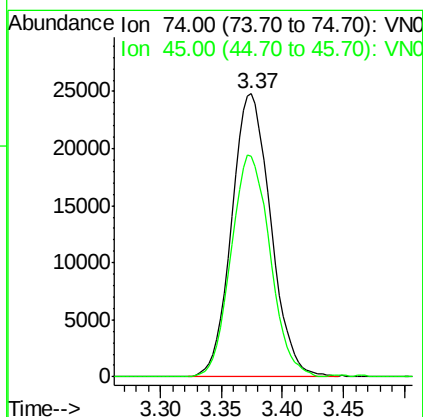
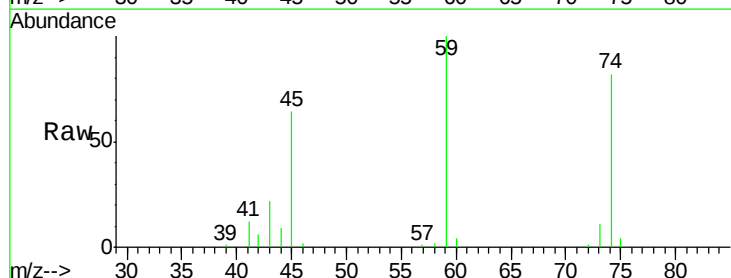
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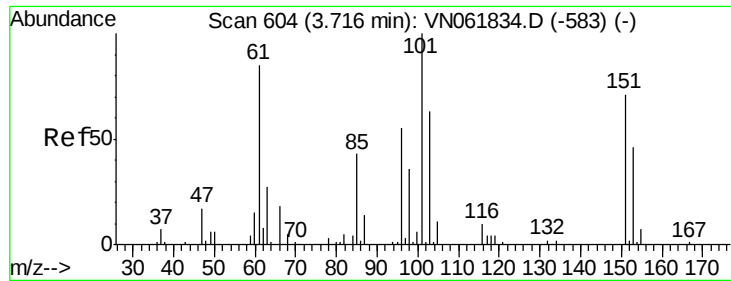


#8

Diethyl Ether
Concen: 51.268 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061834.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.2	39.1	117.3





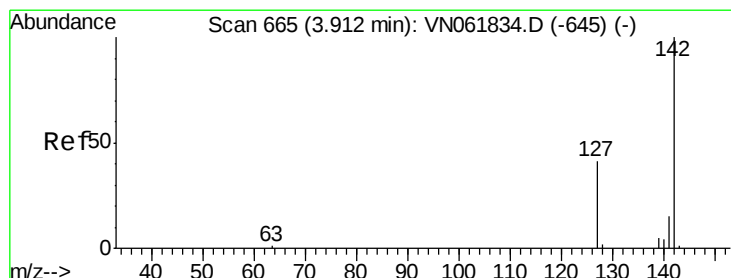
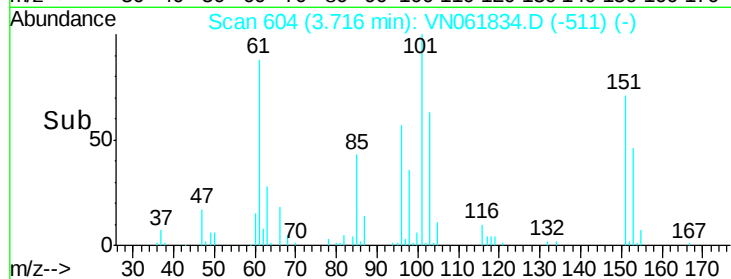
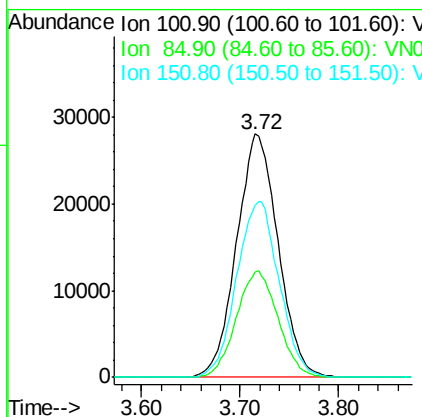
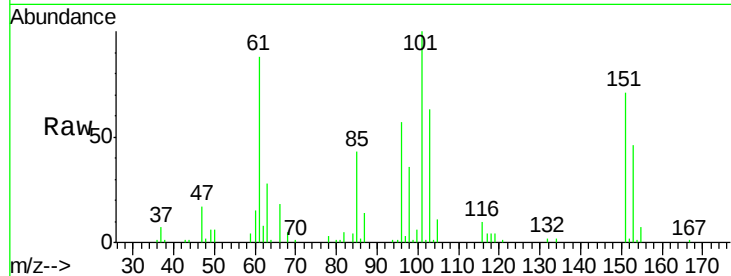
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.376 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.0	52.6
151	74.0	59.2	88.8

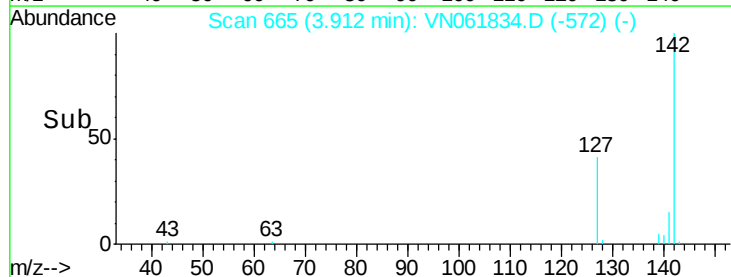
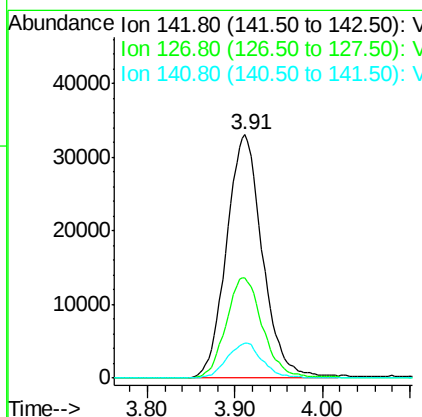
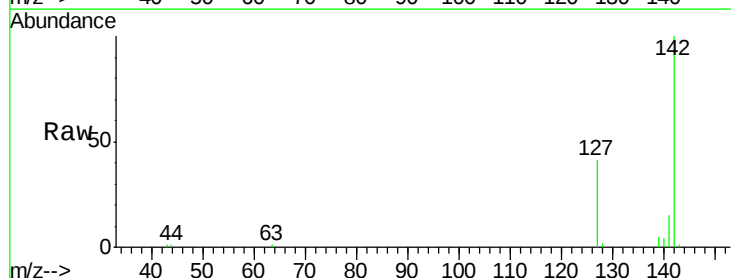
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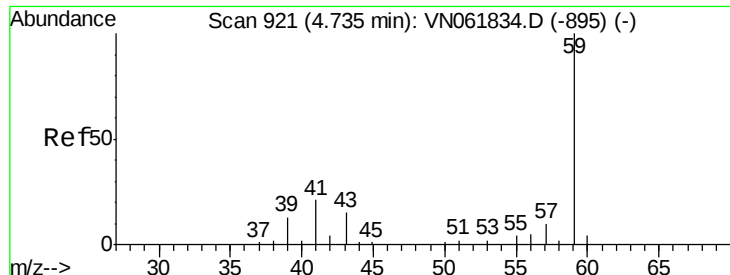
MMDadoda
6/17/2020 3:44:58 PM



#10
Methyl Iodide
Concen: 45.294 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.7	33.4	50.0
141	14.1	11.3	16.9





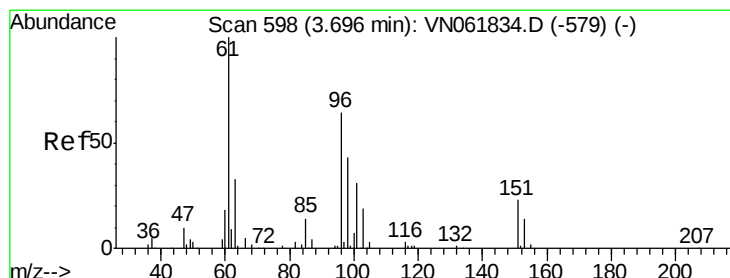
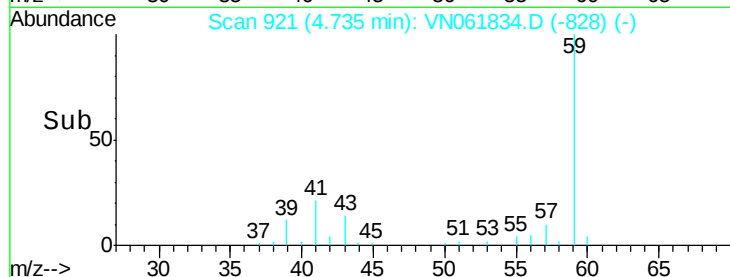
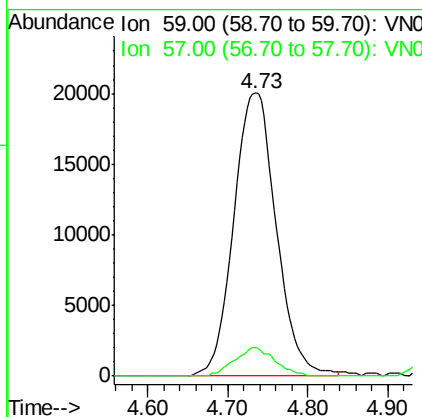
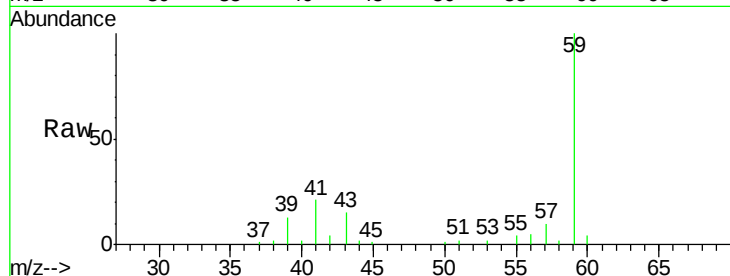
#11
Tert butyl alcohol
Concen: 275.894 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 72376
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5

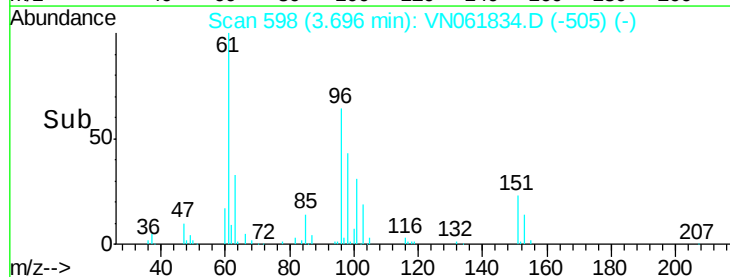
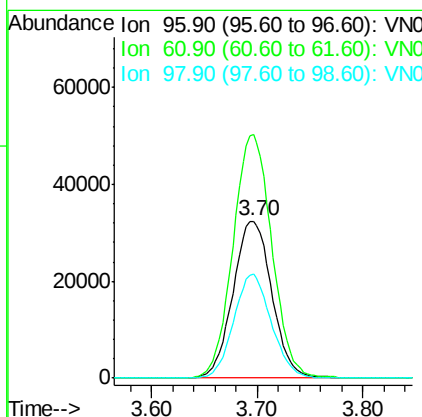
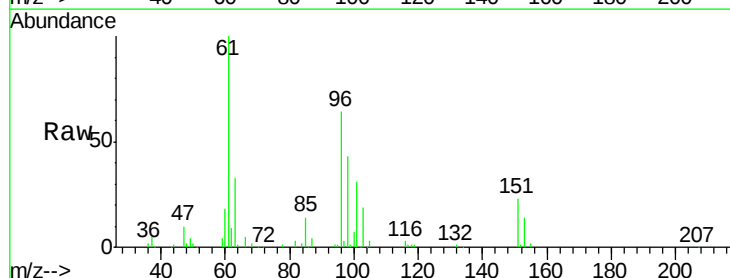
Manual Integrations
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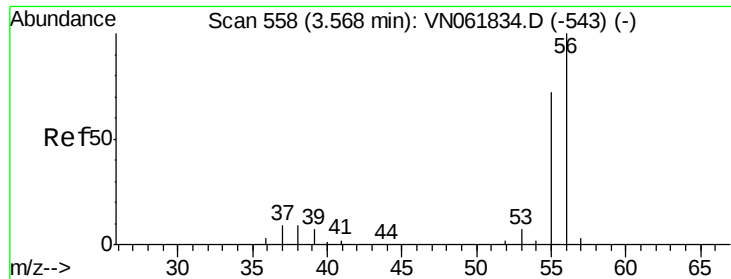
MMDadoda
6/17/2020 3:44:58 PM



#12
1,1-Dichloroethene
Concen: 50.005 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion: 96 Resp: 82987
Ion Ratio Lower Upper
96 100
61 155.4 124.3 186.5
98 66.4 53.1 79.7





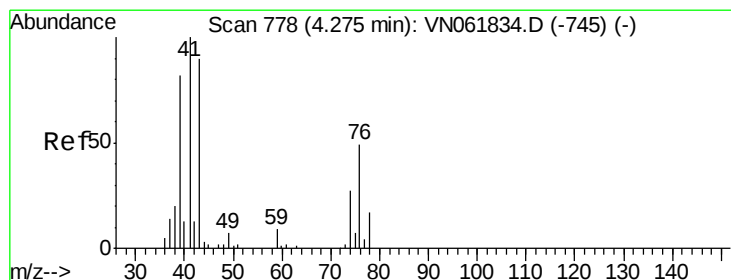
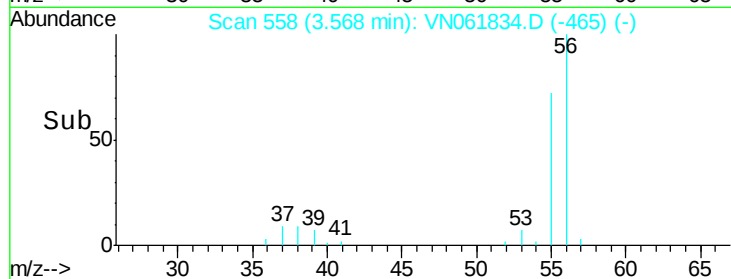
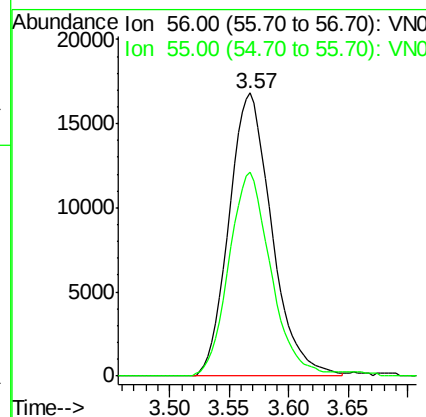
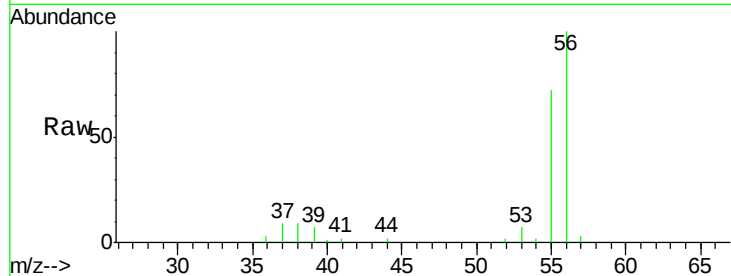
#13
 Acrolein
 Concen: 359.835 ug/l
 RT: 3.57 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.3	56.2	84.4	

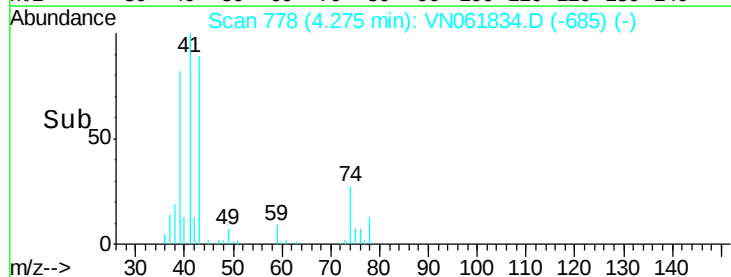
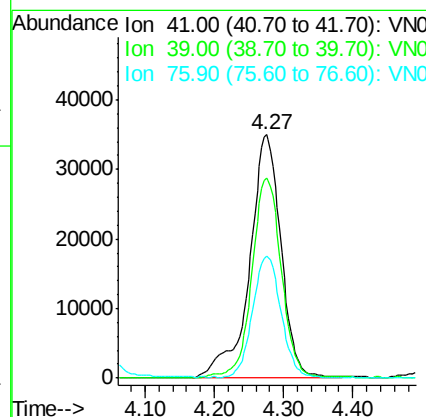
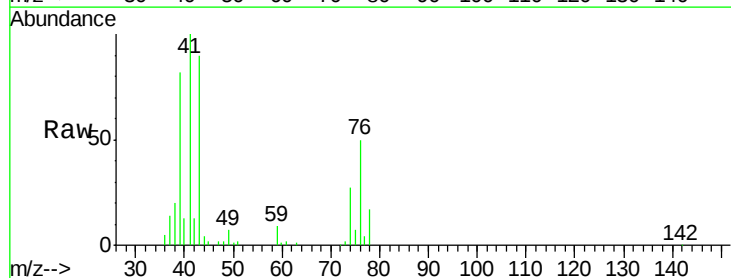
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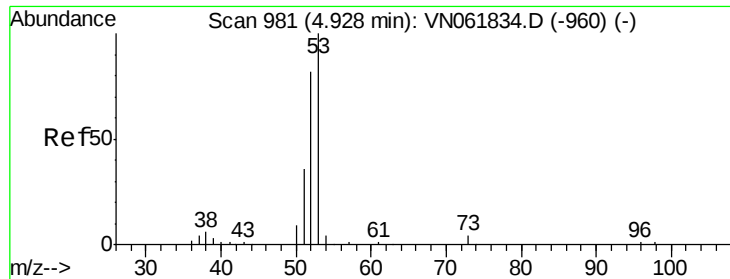
MMDadoda
 6/17/2020 3:44:58 PM



#14
 Allyl chloride
 Concen: 50.991 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.2	60.2	90.2	
76	45.4	36.3	54.5	





#15

Acrylonitrile

Concen: 264.772 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

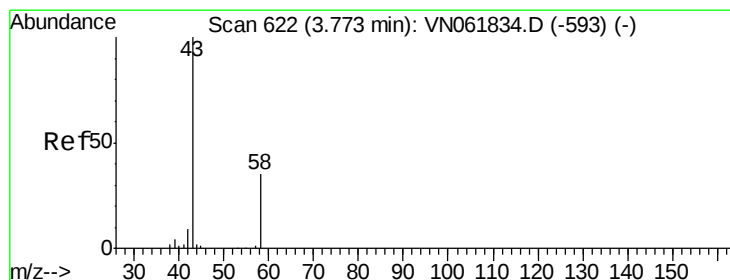
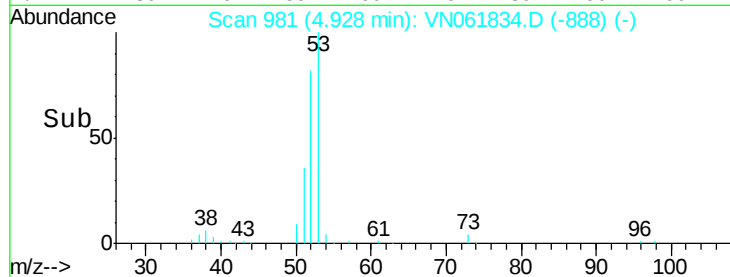
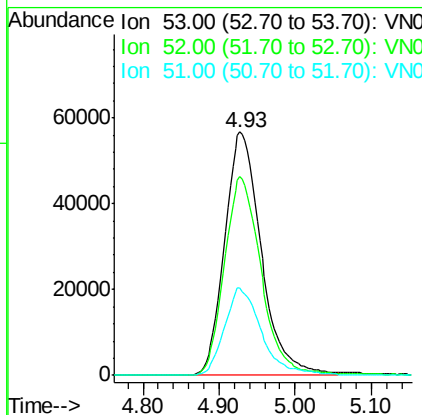
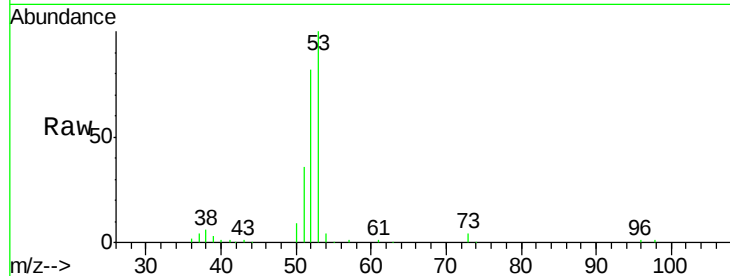
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	190185
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	36.6	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 213.703 ug/l

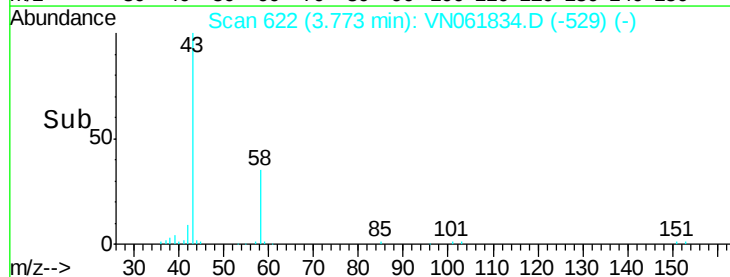
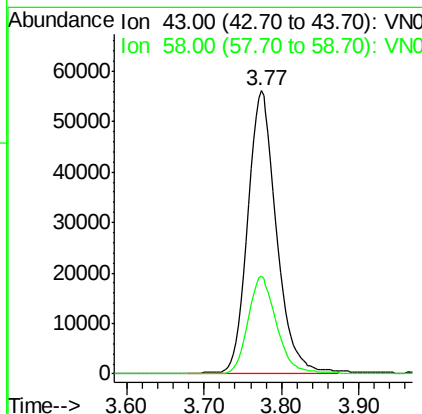
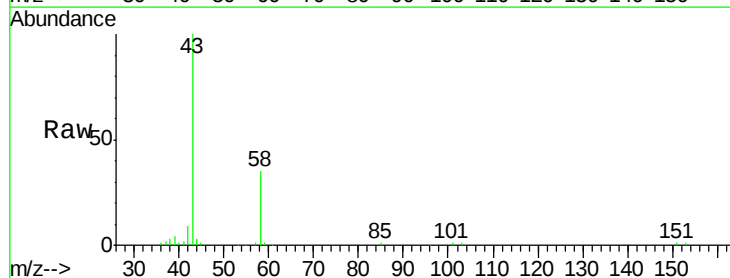
RT: 3.77 min Scan# 622

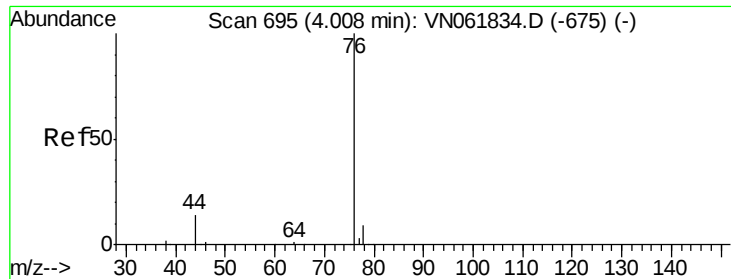
Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion:	43	Resp:	146435
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.8	41.8





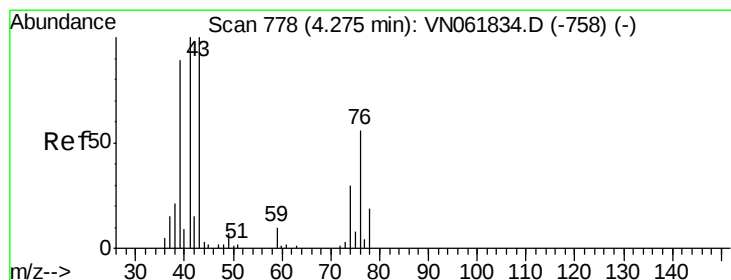
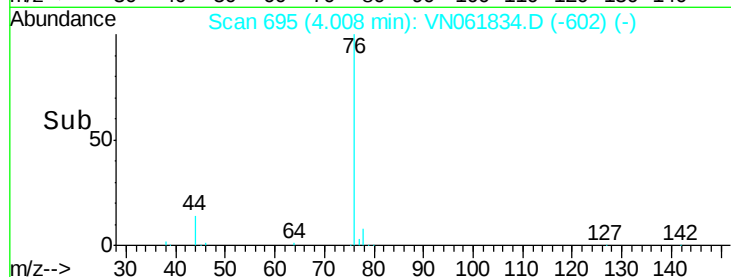
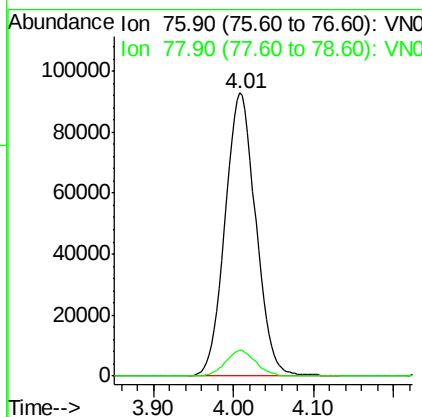
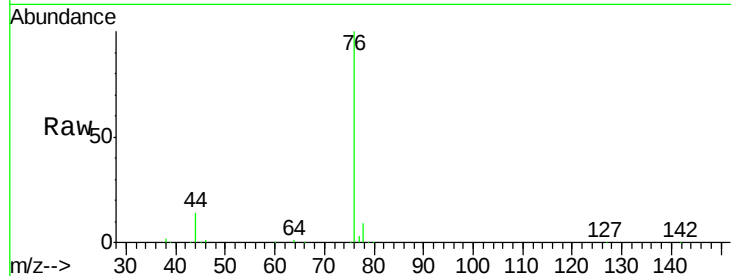
#17
Carbon Disulfide
Concen: 63.386 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

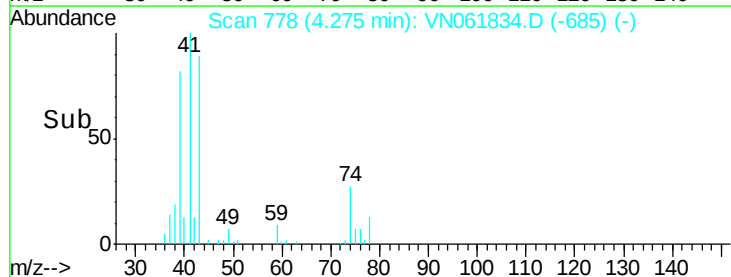
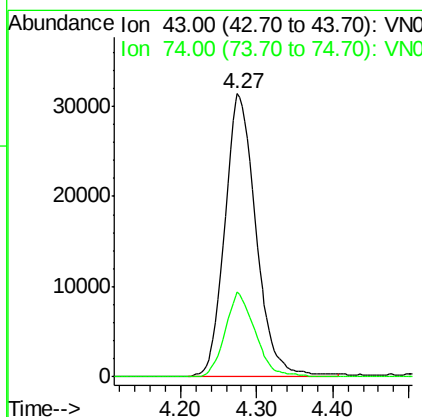
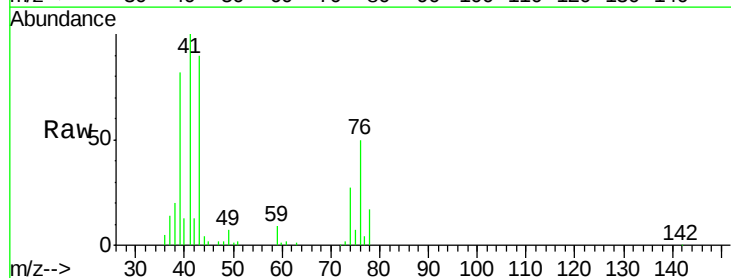
Manual Integrations
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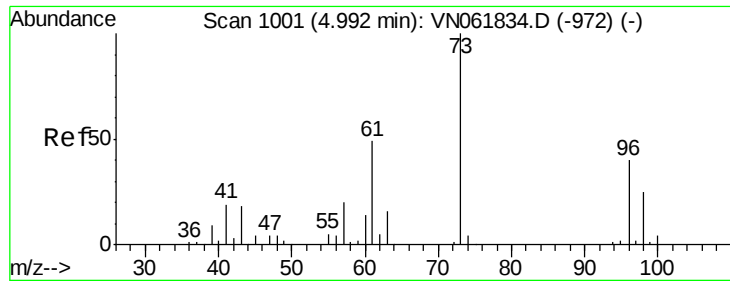
MMDadoda
6/17/2020 3:44:58 PM



#18
Methyl Acetate
Concen: 51.386 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	23.0	34.4





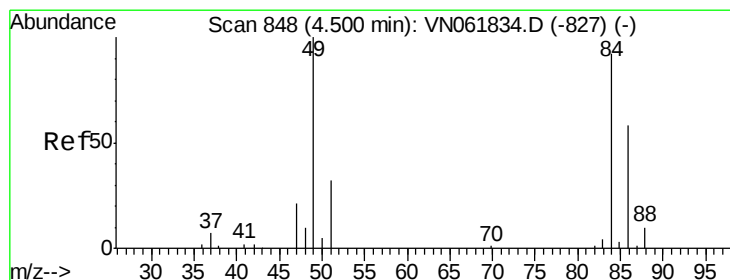
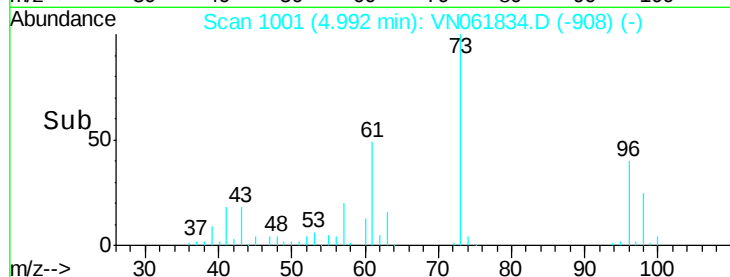
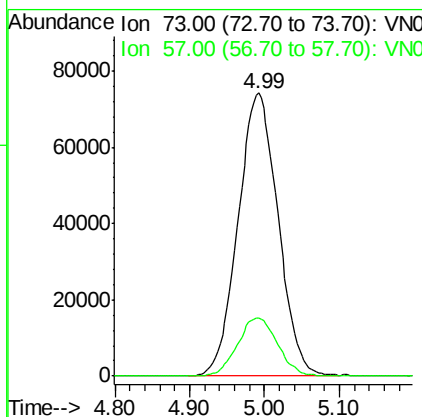
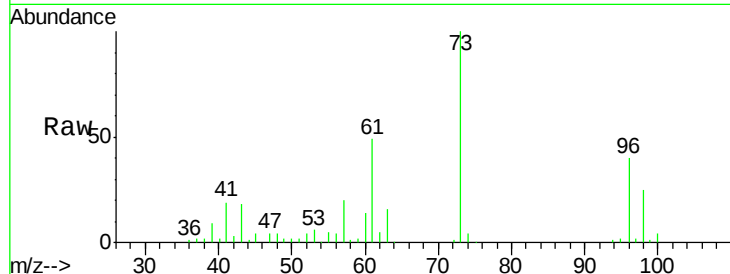
#19
Methyl tert-butyl Ether
Concen: 49.113 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 275793
Ion Ratio Lower Upper
73 100
57 20.3 16.2 24.4

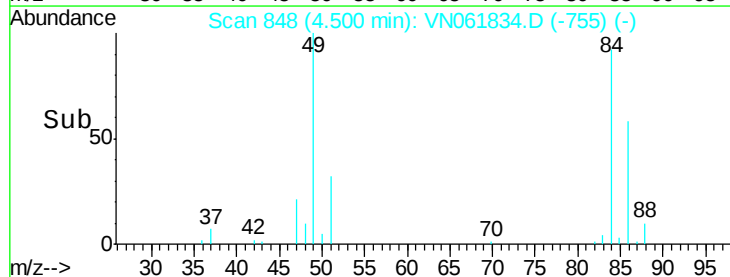
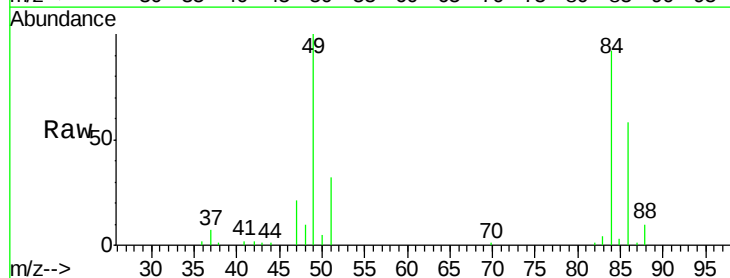
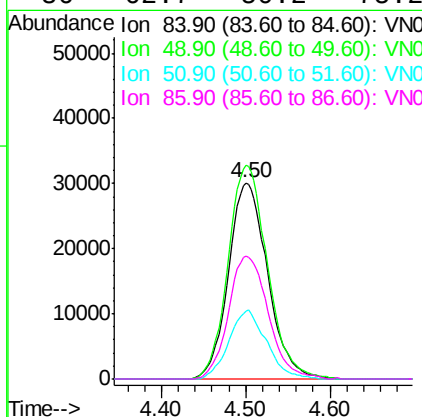
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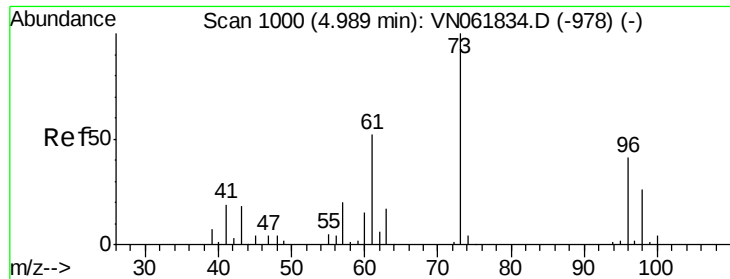
MMDadoda
6/17/2020 3:44:58 PM



#20
Methylene Chloride
Concen: 40.878 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion: 84 Resp: 97171
Ion Ratio Lower Upper
84 100
49 108.7 87.0 130.4
51 34.7 27.8 41.6
86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 50.472 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 94740

Ion Ratio Lower Upper

96 100

61 127.8 102.2 153.4

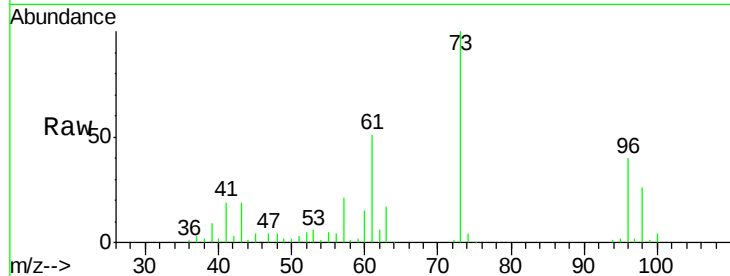
98 64.0 51.2 76.8

Manual Integrations

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6/17/2020 3:44:58 PM

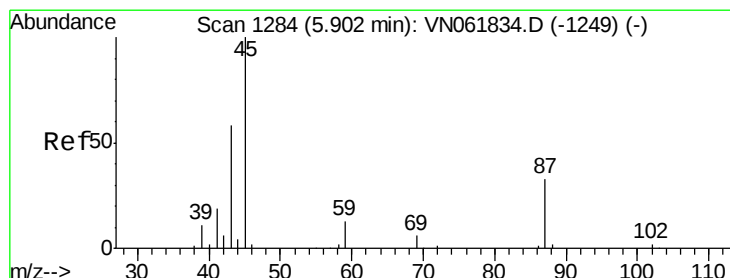
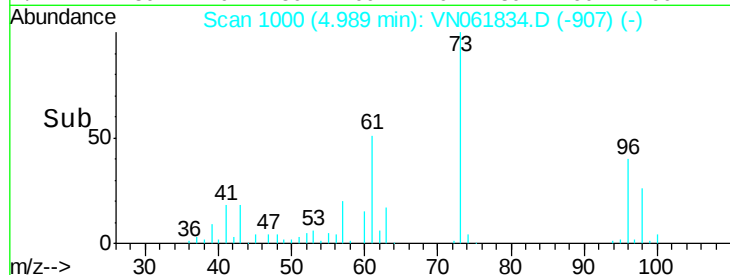
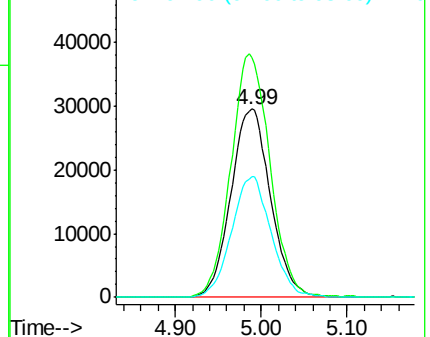


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.464 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion: 45 Resp: 245365

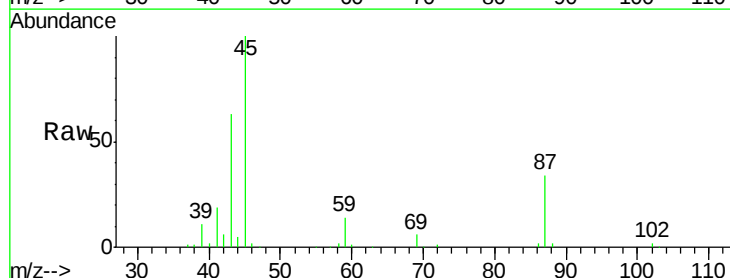
Ion Ratio Lower Upper

45 100

43 61.8 49.4 74.2

87 34.2 27.4 41.0

59 13.2 10.6 15.8



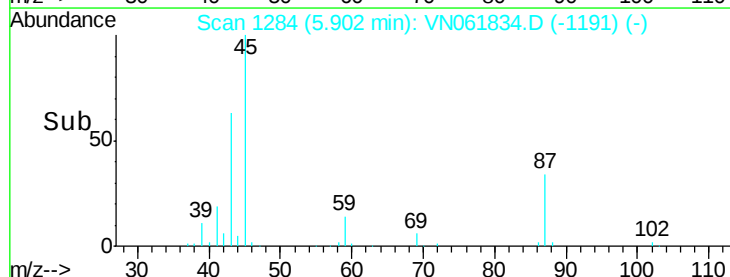
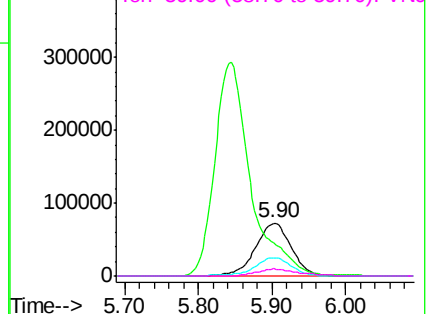
Abundance

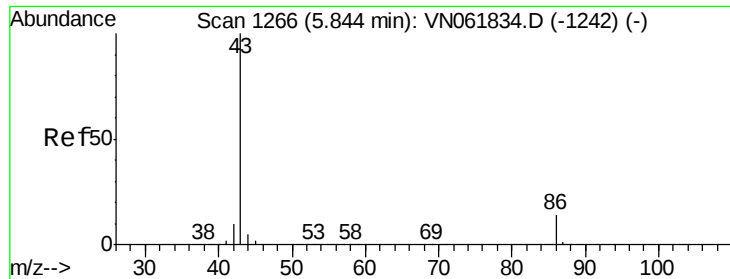
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 261.393 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 991809

Ion Ratio Lower Upper

43 100

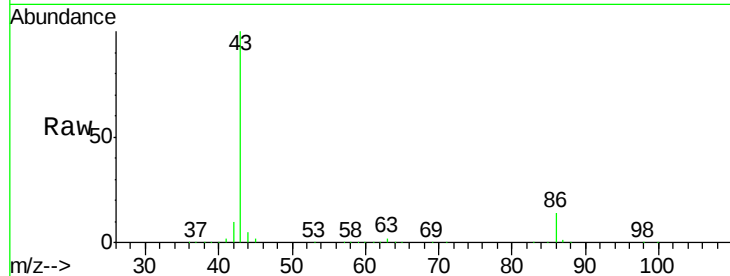
86 13.6 10.9 16.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

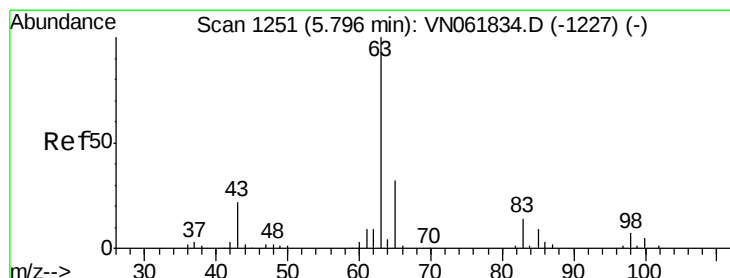
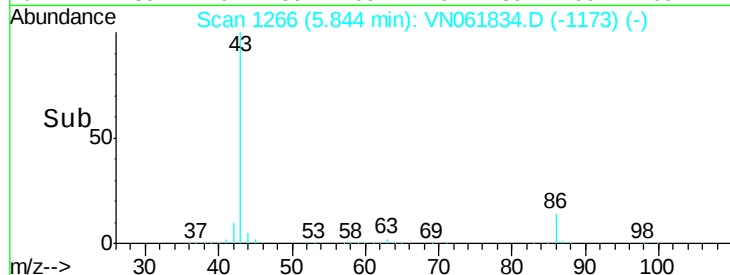
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.484 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

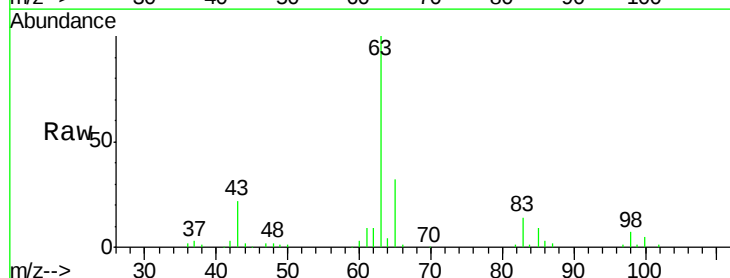
Tgt Ion: 63 Resp: 159754

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.9 2.5 7.4



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

5.80

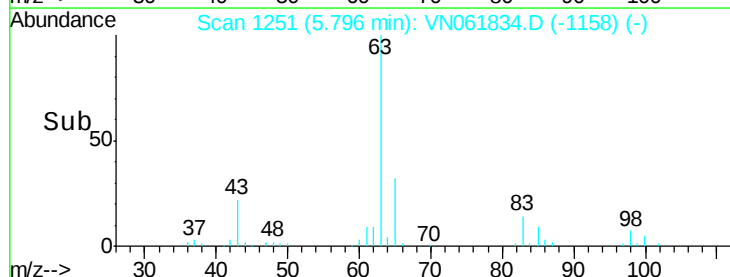
60000

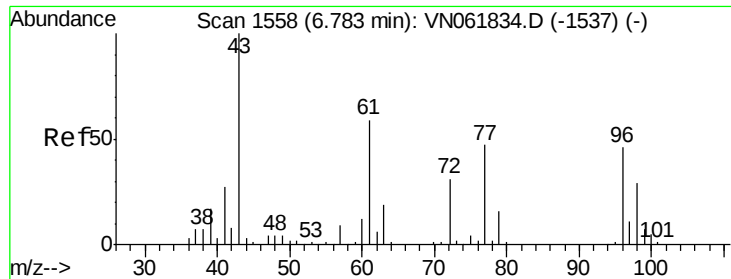
40000

20000

0

Time-->





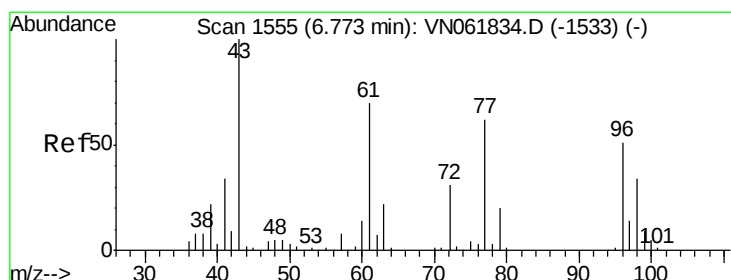
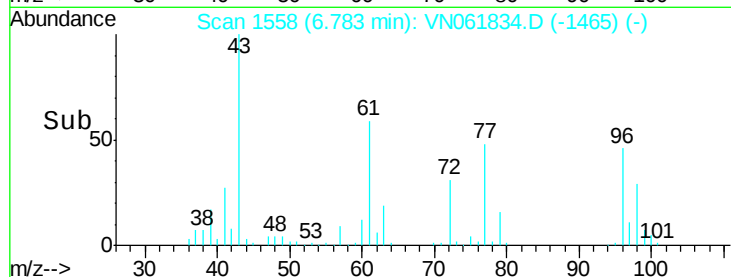
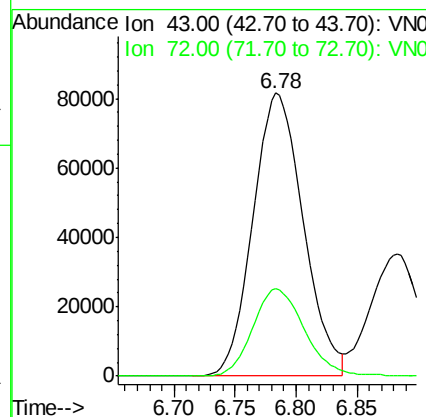
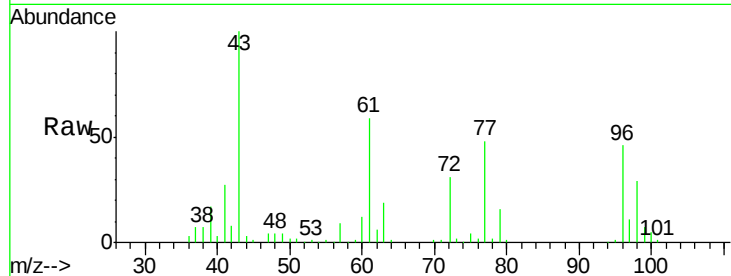
#25
2-Butanone
Concen: 255.270 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 233660
Ion Ratio Lower Upper
43 100
72 30.8 24.6 37.0

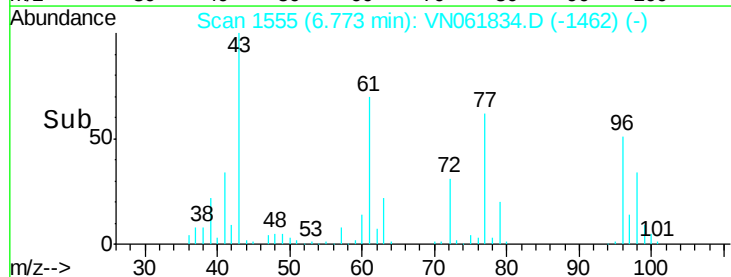
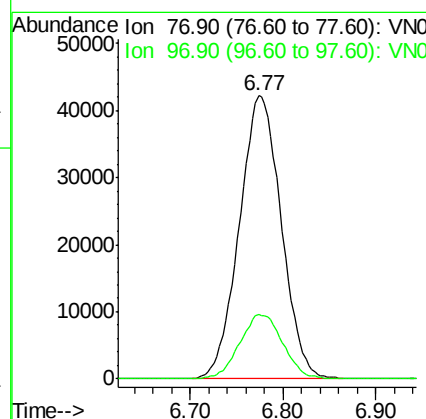
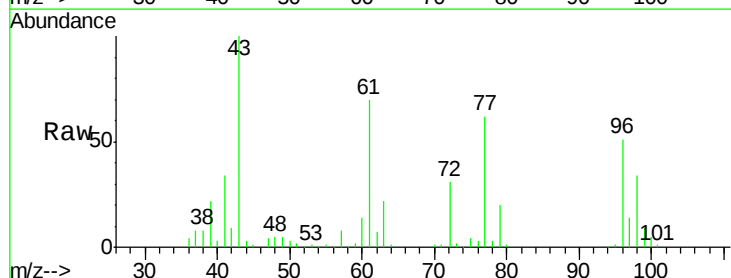
Manual Integrations
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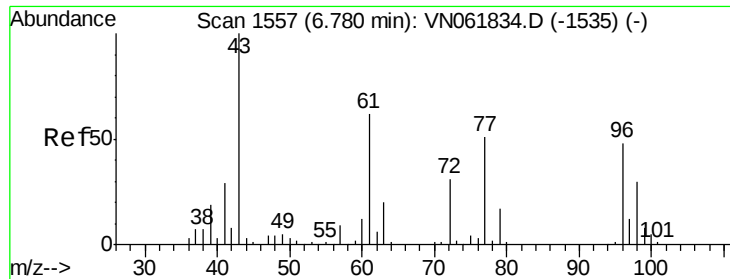
MMDadoda
6/17/2020 3:44:58 PM



#26
2,2-Dichloropropane
Concen: 48.005 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion: 77 Resp: 132437
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 51.231 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

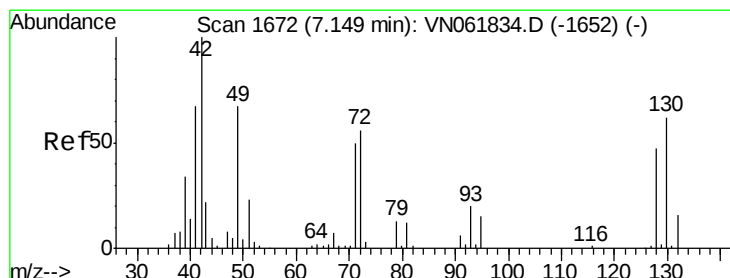
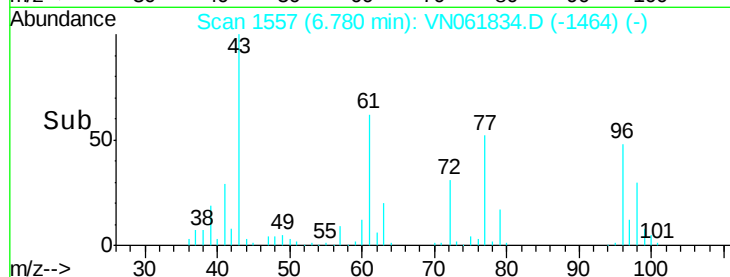
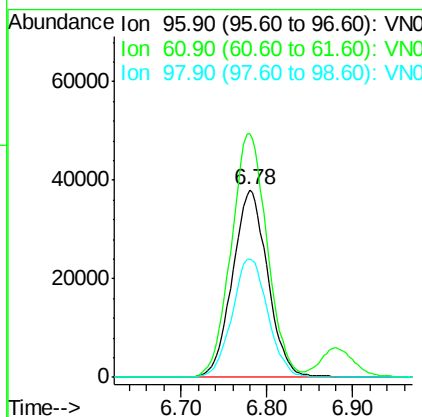
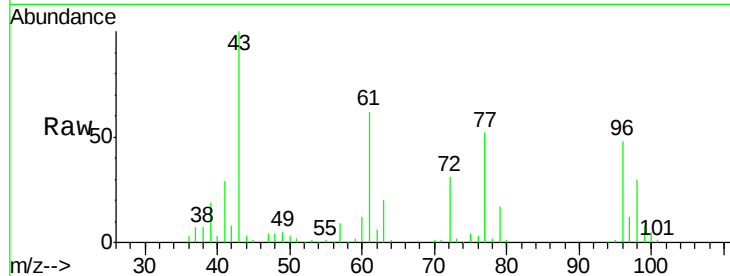
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	108181
Ion Ratio	Lower	Upper	
96	100		
61	132.8	0.0	265.6
98	64.1	0.0	128.2

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#28

Bromochloromethane

Concen: 51.103 ug/l

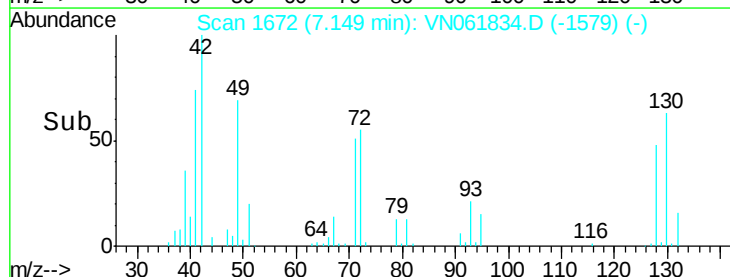
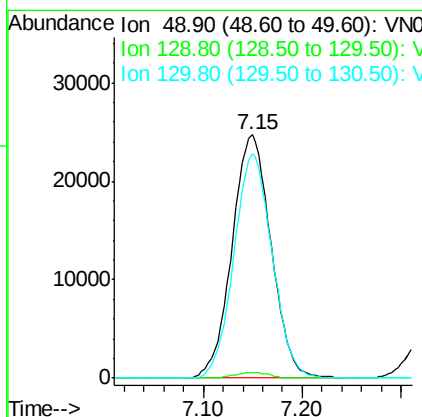
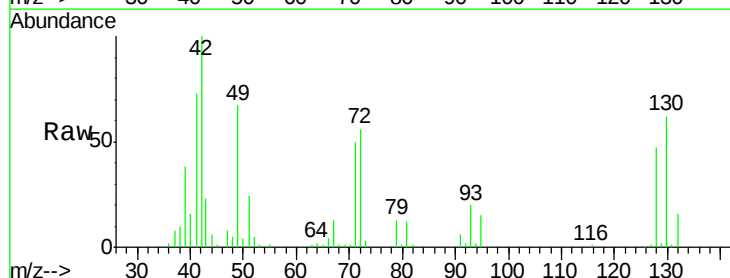
RT: 7.15 min Scan# 1672

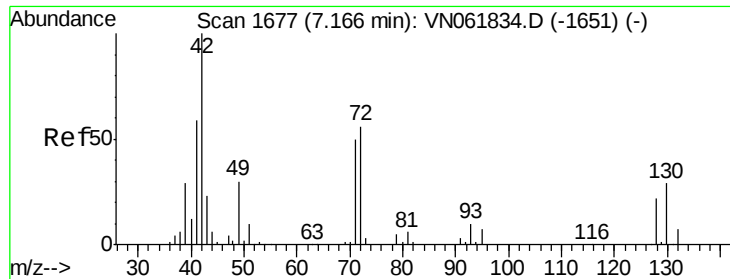
Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion:	49	Resp:	67960
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	90.2	72.2	108.2





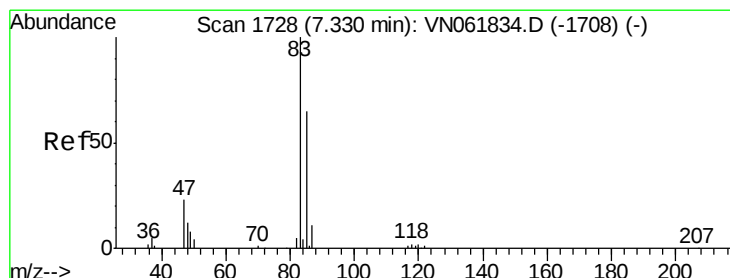
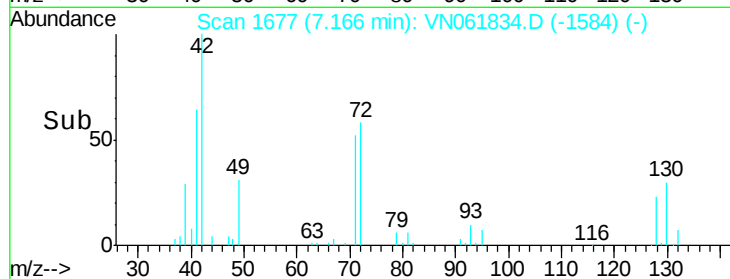
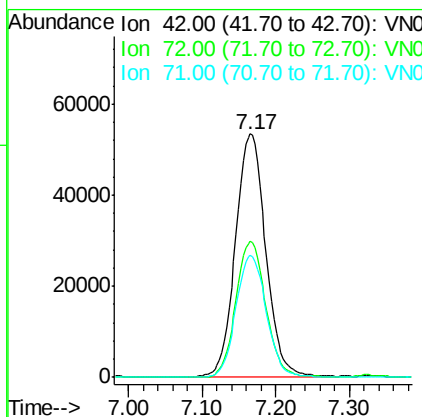
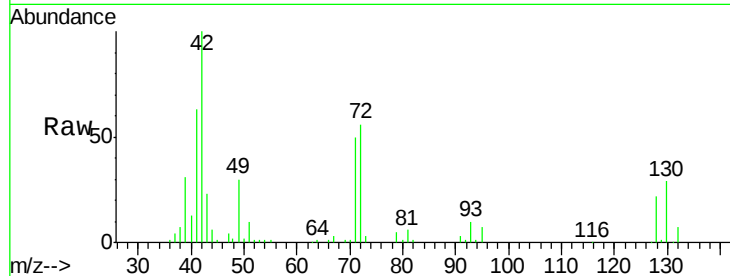
#29
Tetrahydrofuran
Concen: 255.678 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	153981		
72	55.0		44.0	66.0
71	50.0		40.0	60.0

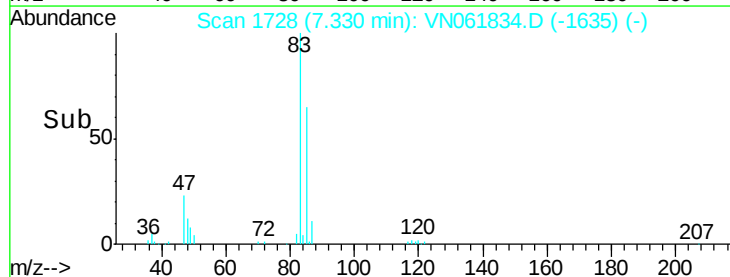
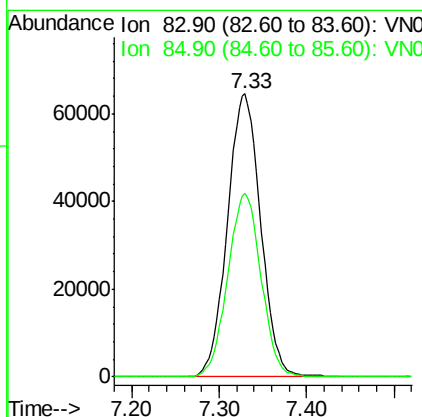
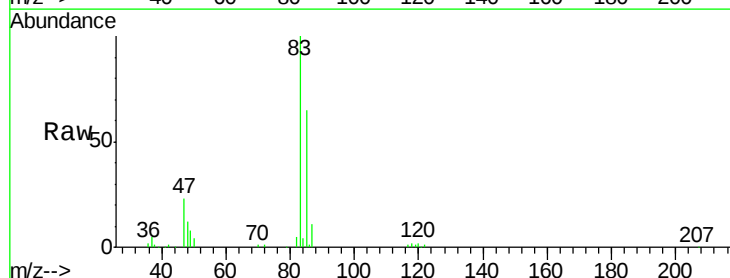
Manual Integrations
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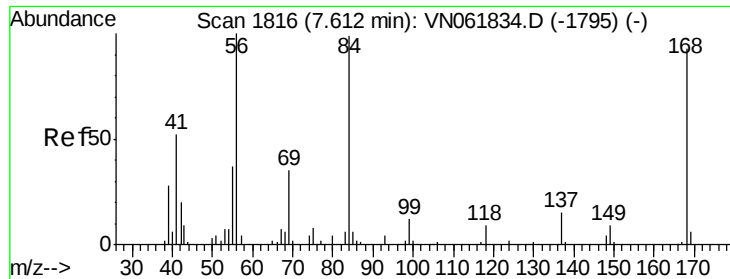
MMDadoda
6/17/2020 3:44:58 PM



#30
Chloroform
Concen: 50.881 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	170085		
85	65.0		52.0	78.0





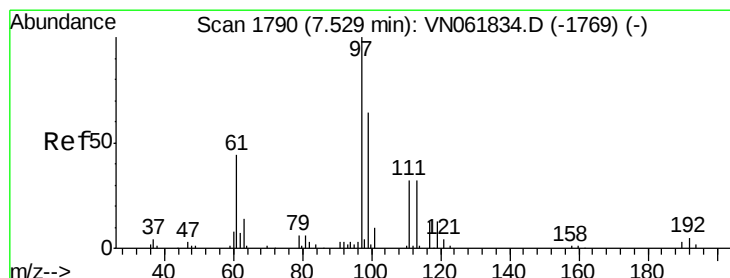
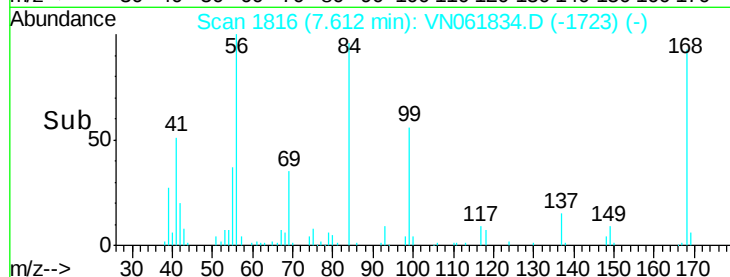
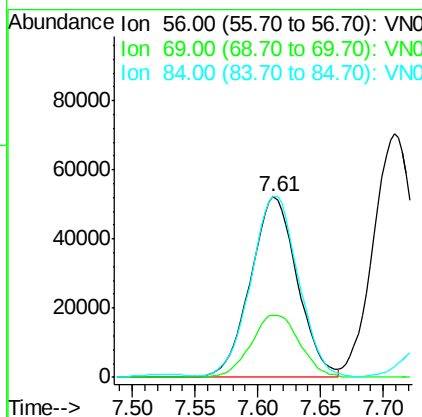
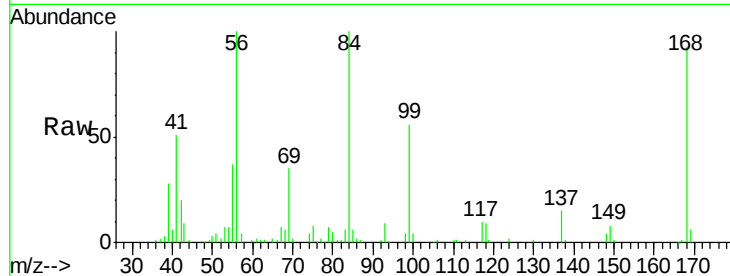
#31
Cyclohexane
Concen: 50.048 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.7	41.5
84	98.9	79.1	118.7

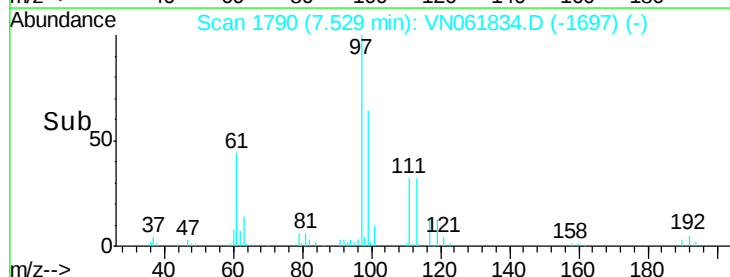
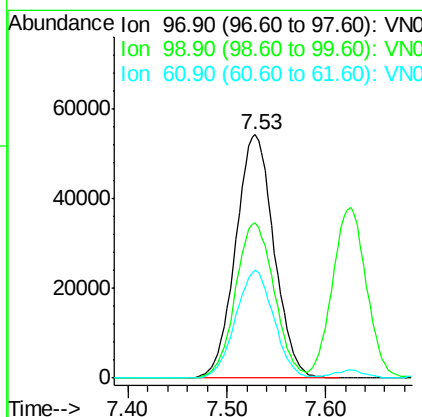
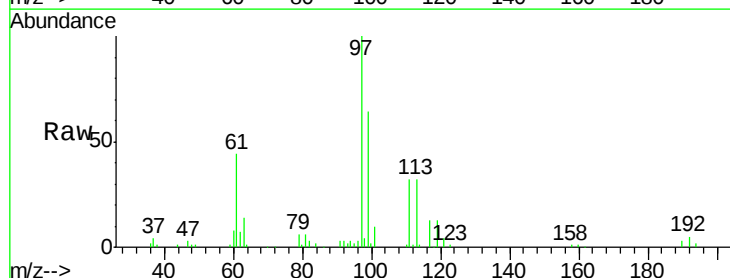
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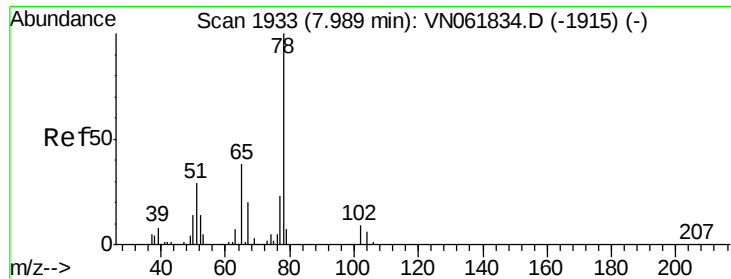
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.509 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	43.9	35.1	52.7





#33

1,2-Dichloroethane-d4

Concen: 52.980 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 102594

Ion Ratio Lower Upper

65 100

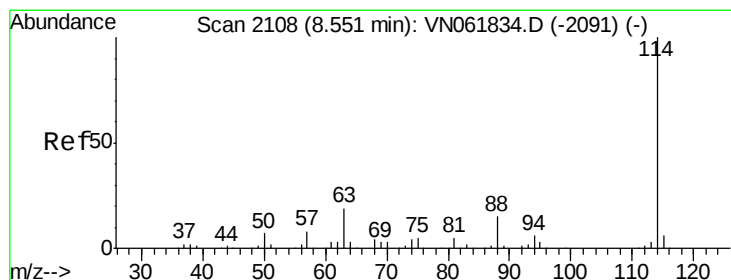
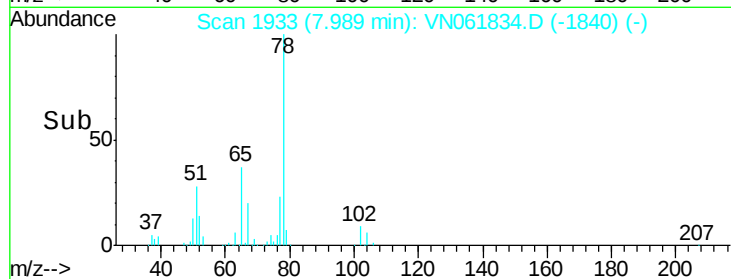
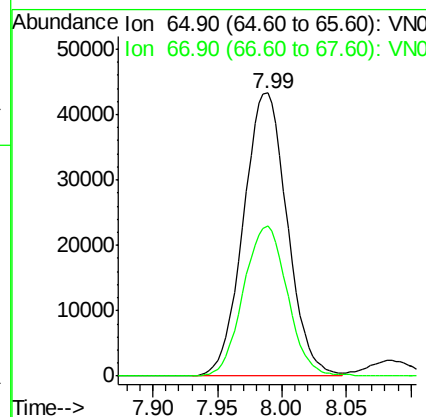
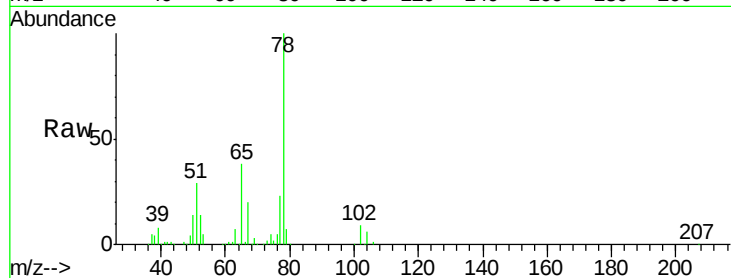
67 53.1 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

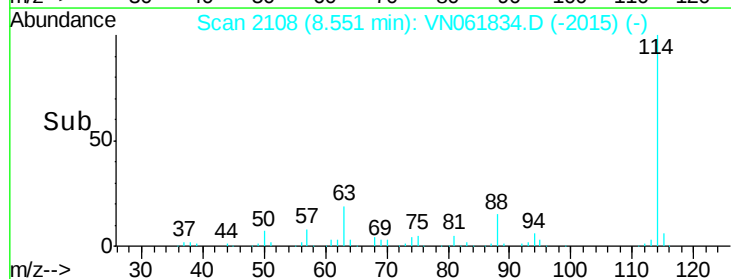
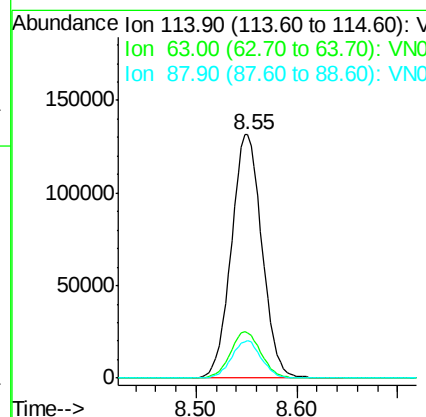
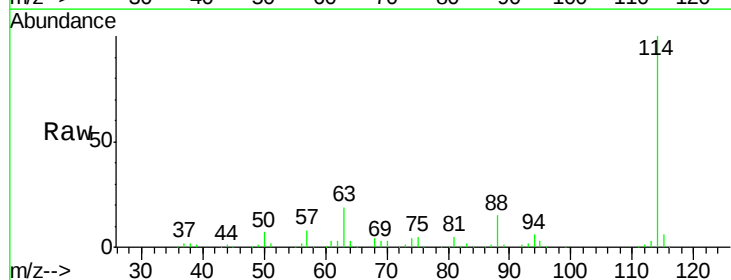
Tgt Ion: 114 Resp: 277790

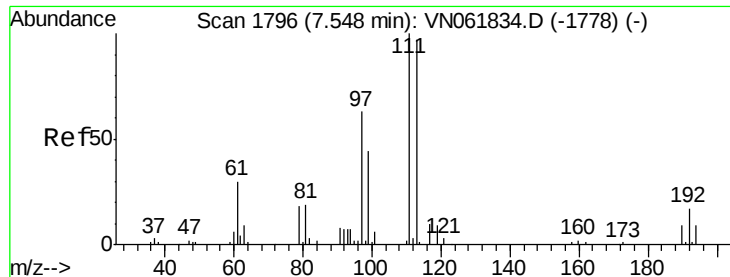
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.6

88 15.5 0.0 31.0





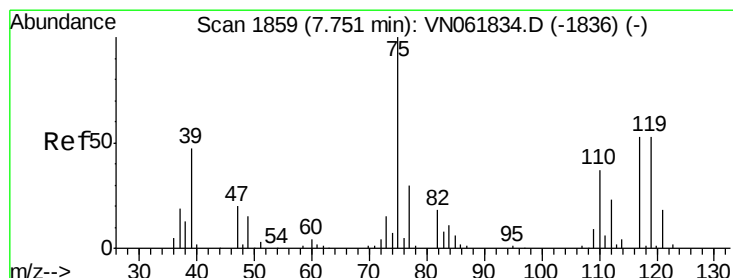
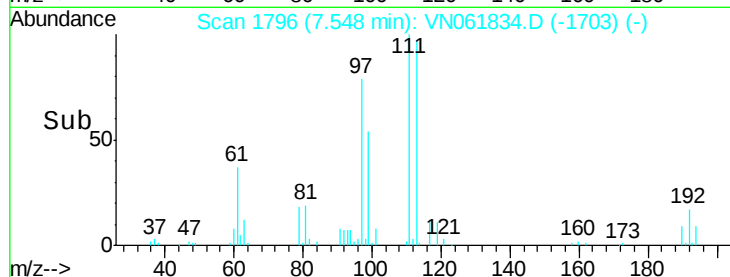
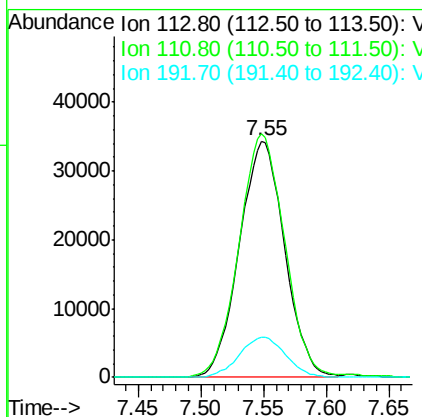
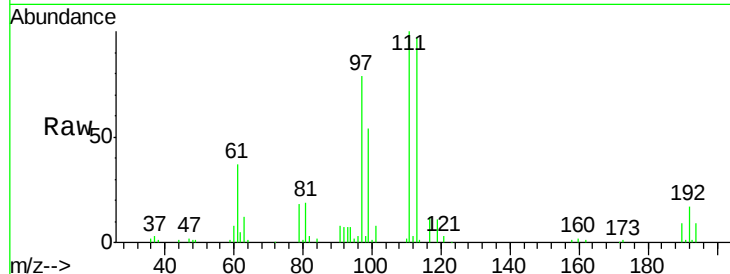
#35
 Dibromofluoromethane
 Concen: 58.705 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.7	125.5
192	17.4	13.9	20.9

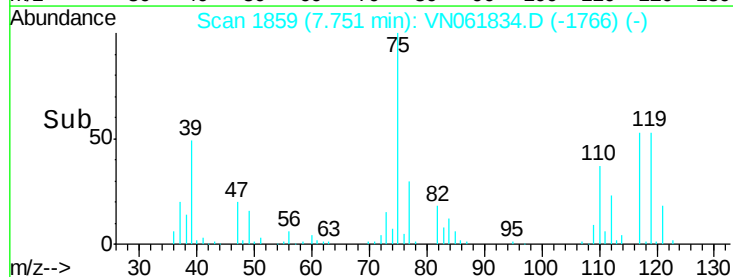
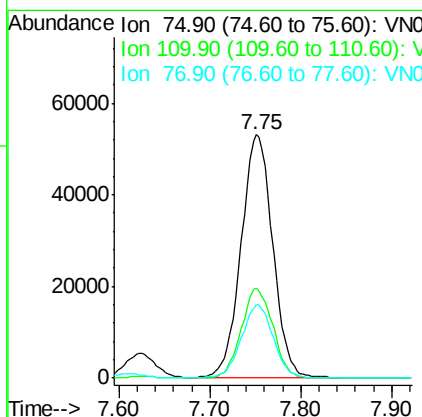
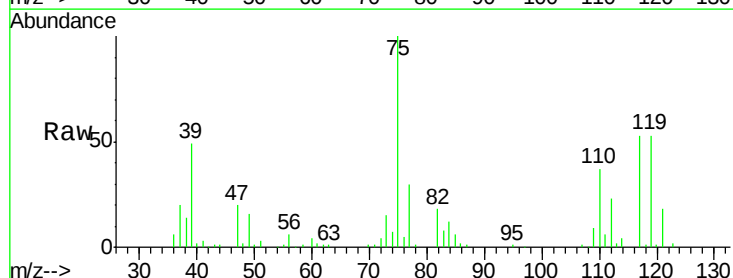
Manual Integrations
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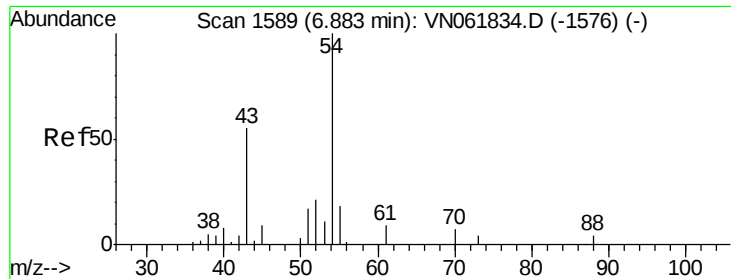
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#36
 1,1-Dichloropropene
 Concen: 51.824 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	30.3	24.2	36.4





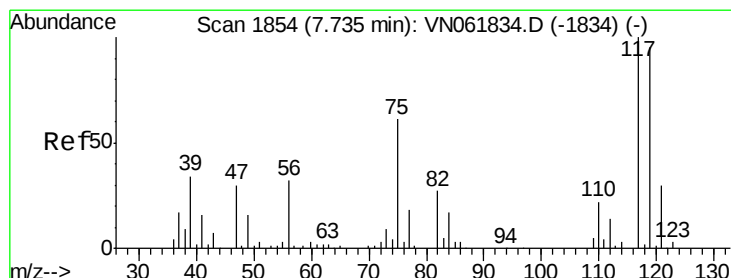
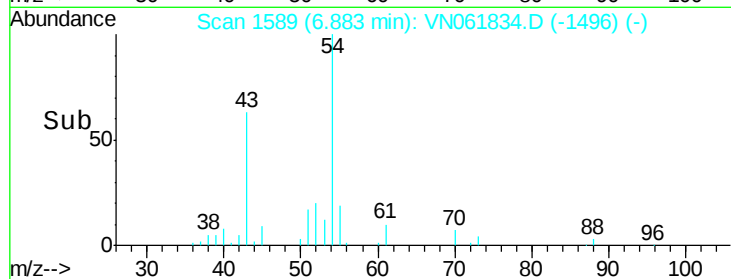
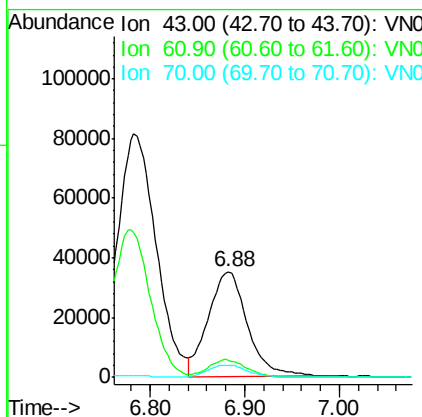
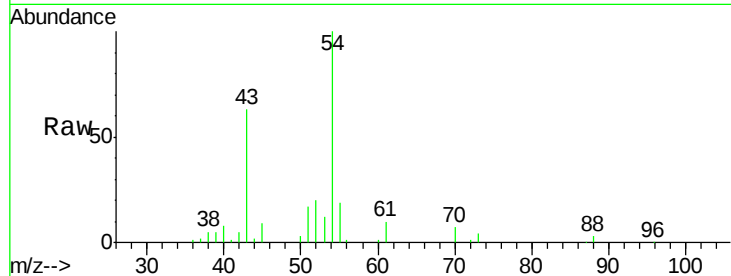
#37
Ethyl Acetate
Concen: 51.317 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.0	19.4
70	11.8	9.4	14.2

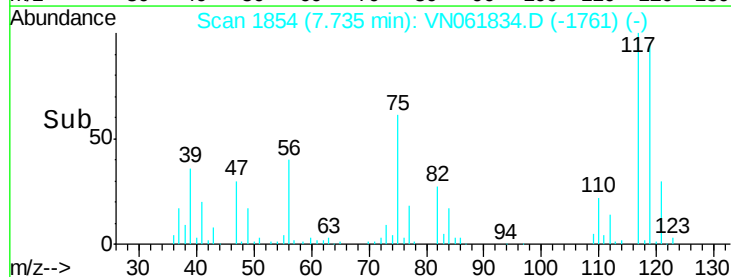
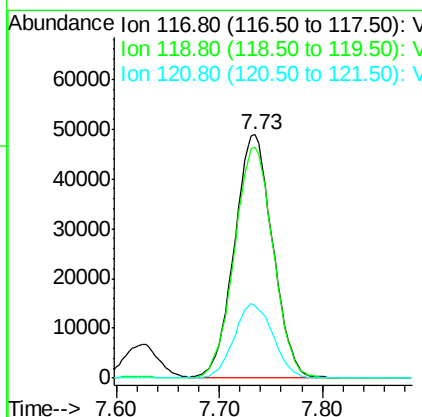
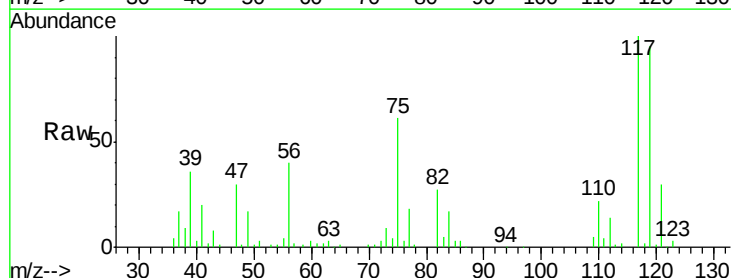
Manual Integrations
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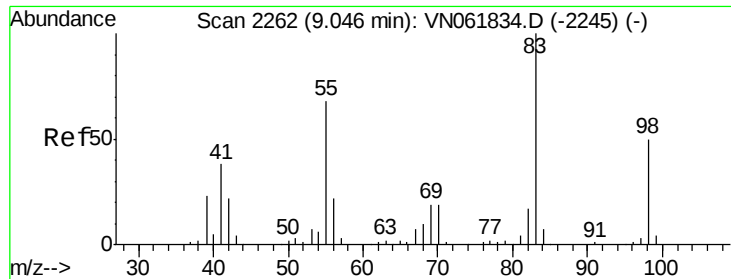
MMDadoda
6/17/2020 3:44:58 PM



#38
Carbon Tetrachloride
Concen: 52.743 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.6
121	29.7	23.8	35.6





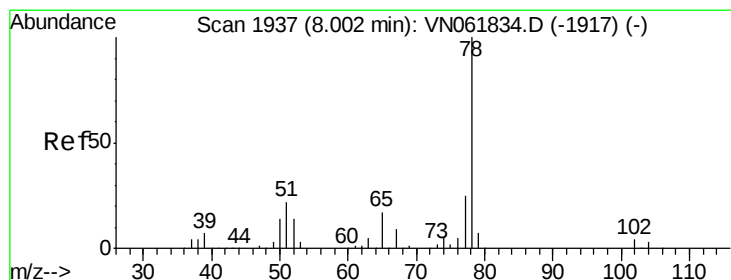
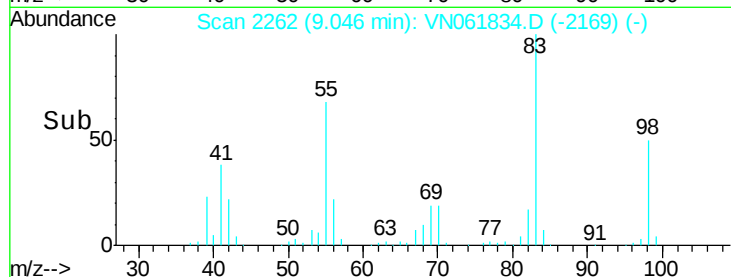
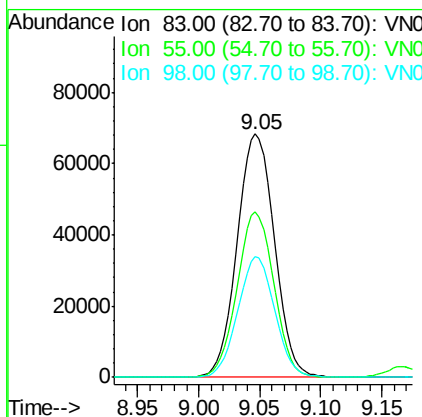
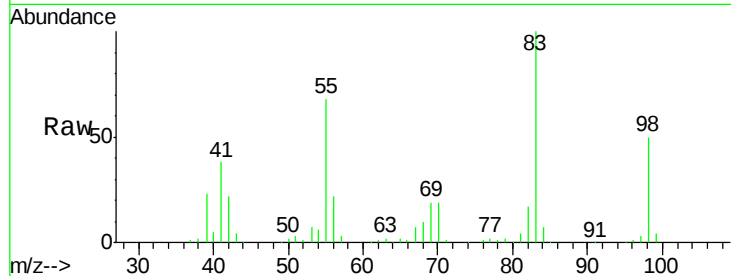
#39
Methylvlcyclohexane
Concen: 47.962 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	54.2	81.4
98	49.7	39.8	59.6

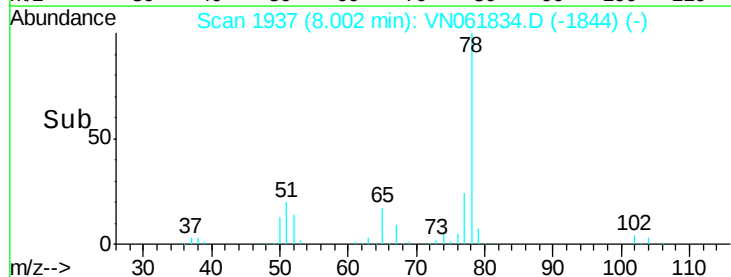
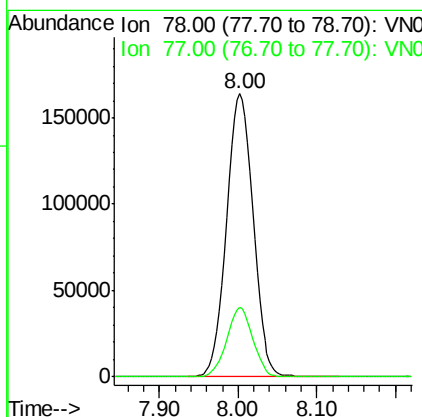
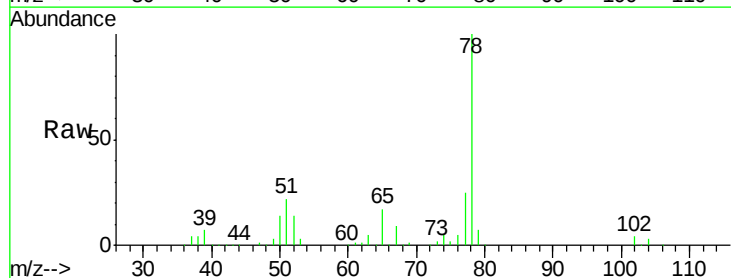
Manual Integrations
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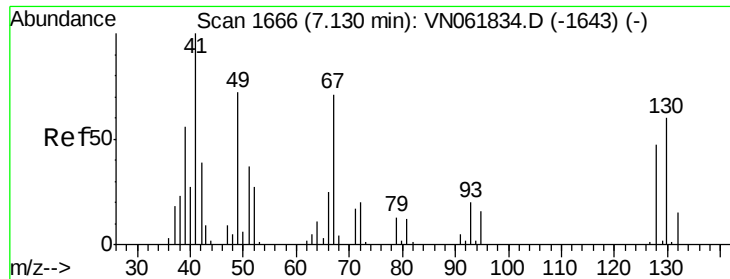
MMDadoda
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#40
Benzene
Concen: 50.366 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.7	29.5





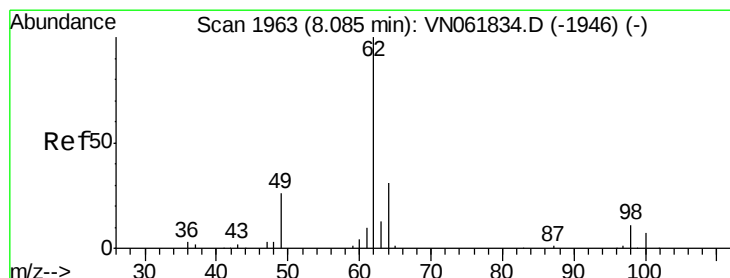
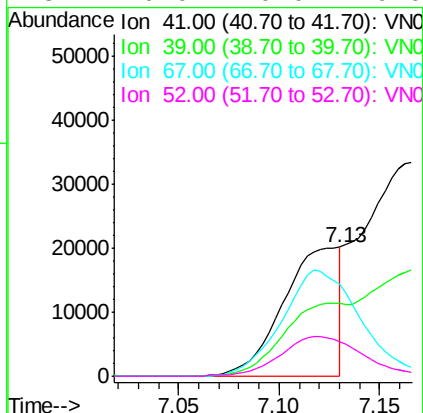
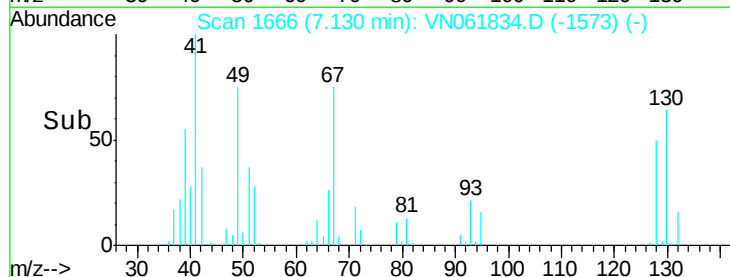
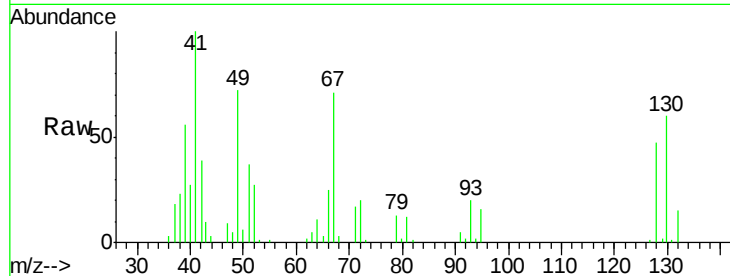
#41
Methacrylonitrile
Concen: 43.915 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

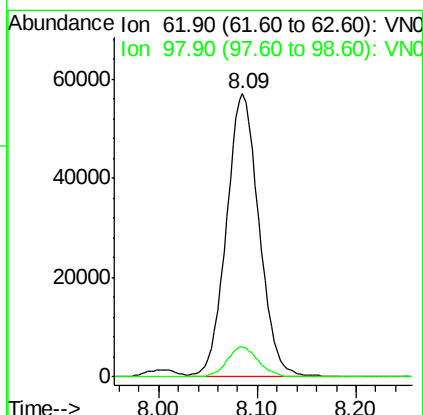
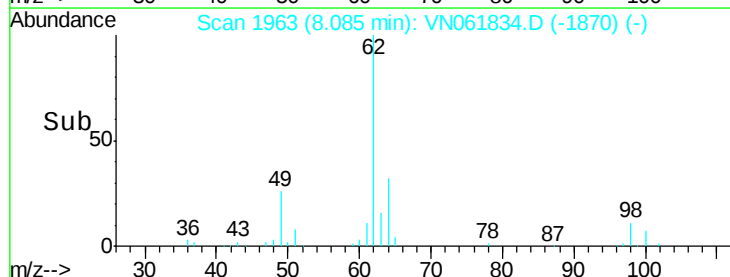
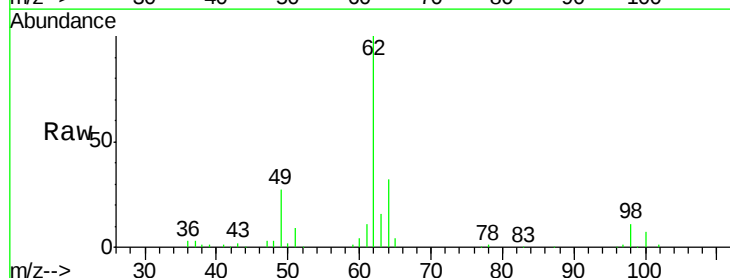
Manual Integrations
APPROVED

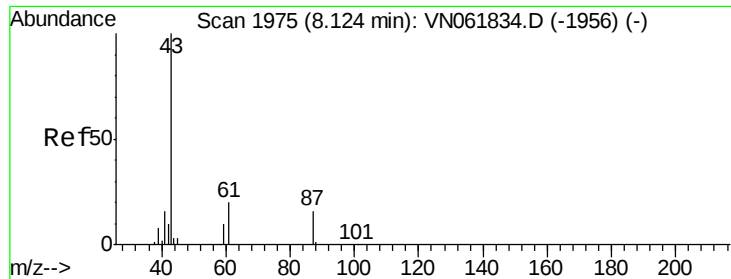
MMDadoda
6/17/2020 3:44:58 PM



#42
1,2-Dichloroethane
Concen: 51.246 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

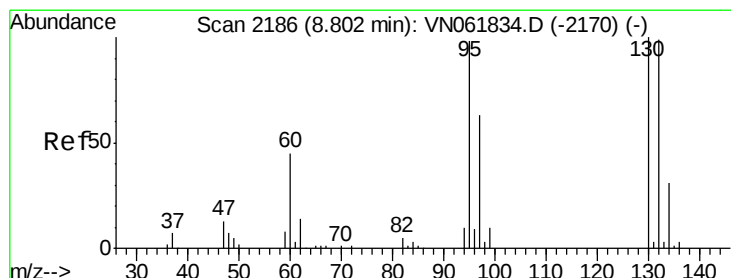
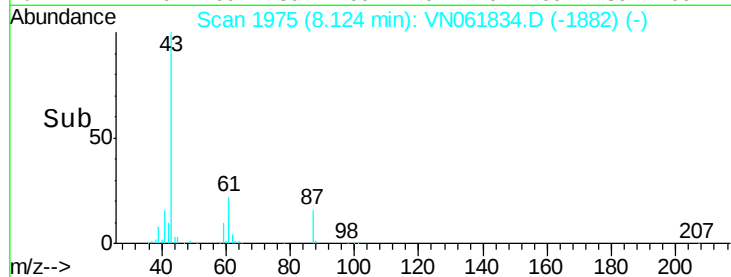
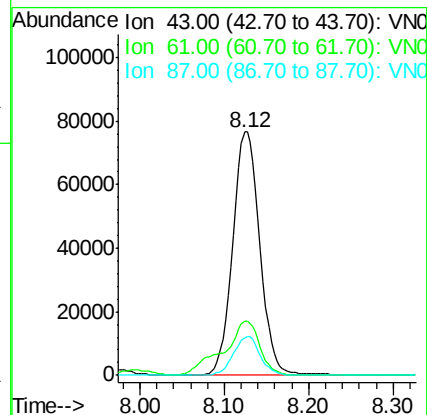
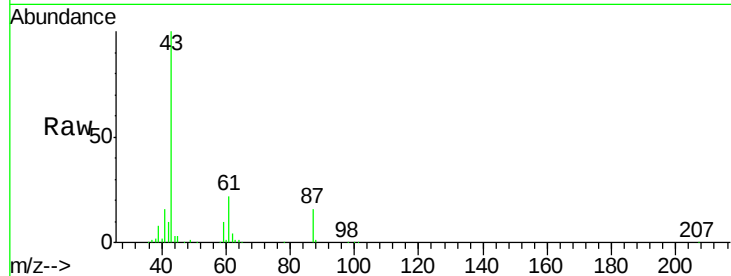
Isopropyl Acetate
 Concen: 48.225 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	15.6	12.5	18.7

Manual Integrations
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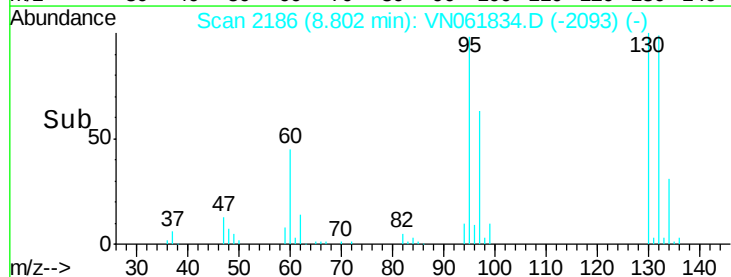
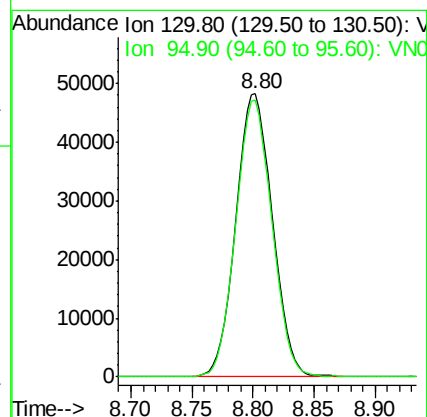
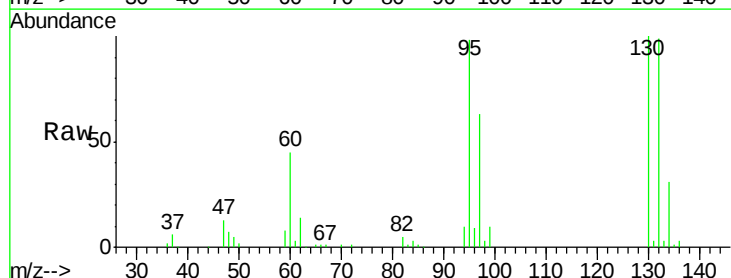
MMDadoda
 6/17/2020 3:44:58 PM

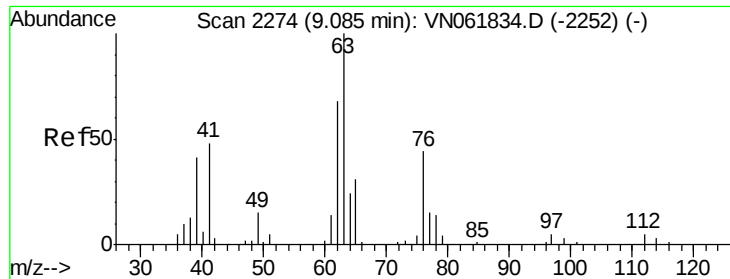


#44

Trichloroethene
 Concen: 44.029 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	195.6





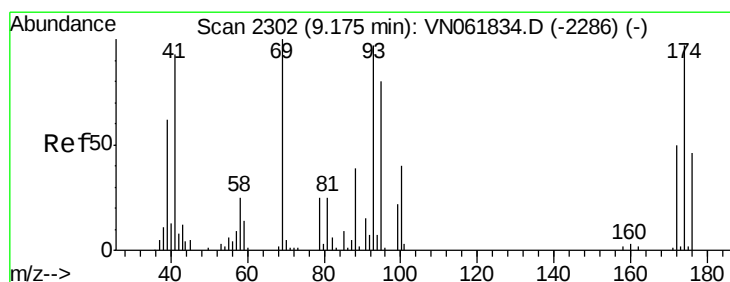
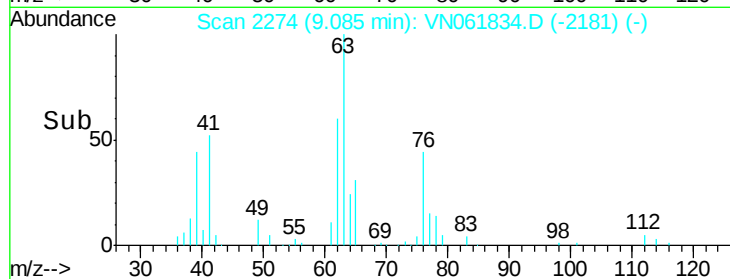
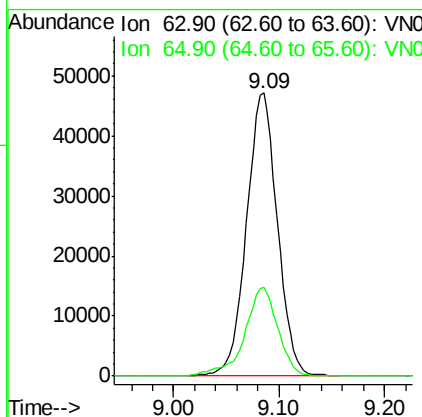
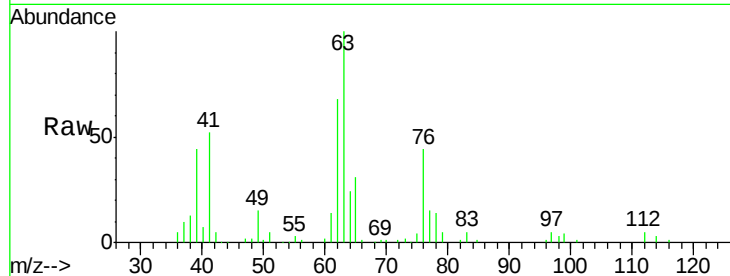
#45
 1,2-Dichloropropane
 Concen: 52.596 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 96206
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7

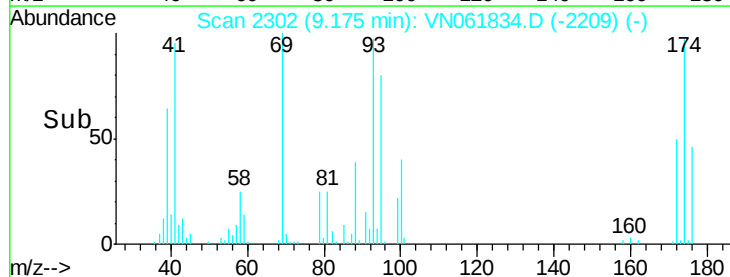
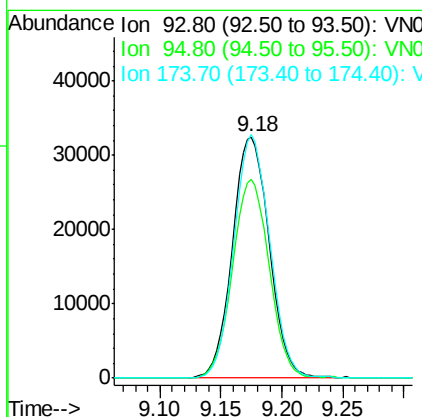
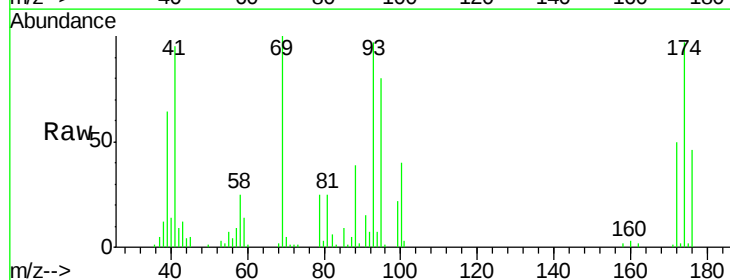
Manual Integrations
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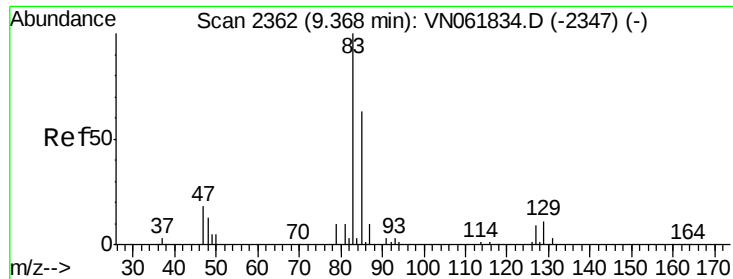
MMDadoda
 6/17/2020 3:44:58 PM



#46
 Dibromomethane
 Concen: 48.971 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion: 93 Resp: 67856
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.6
 174 98.1 78.5 117.7





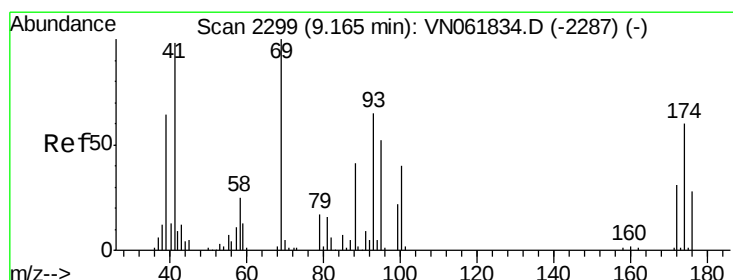
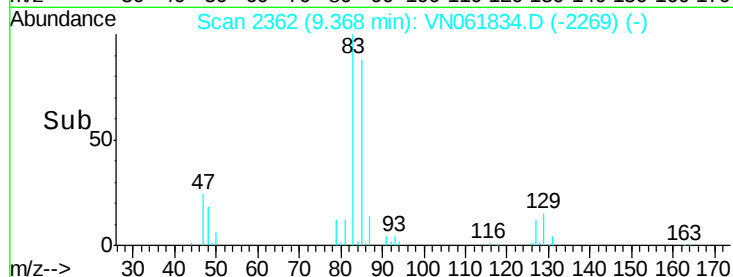
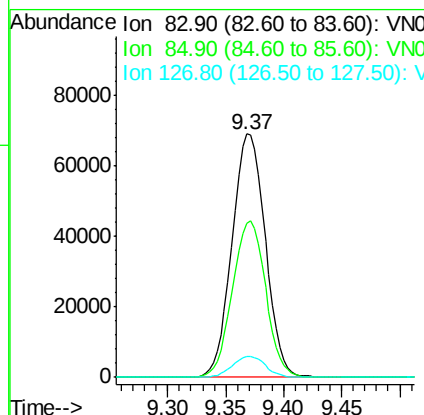
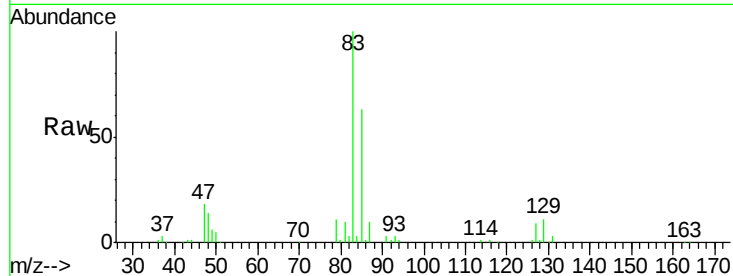
#47
Bromodichloromethane
Concen: 50.049 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	137413
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.7	7.0	10.4

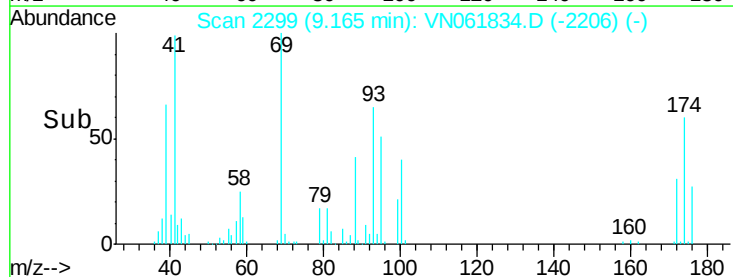
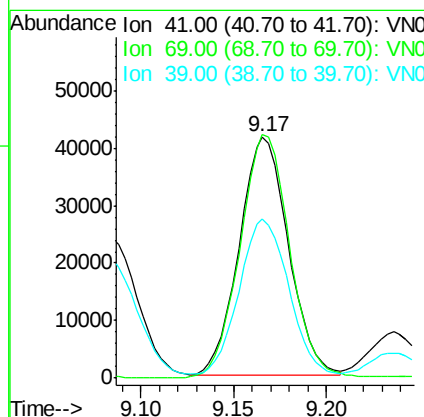
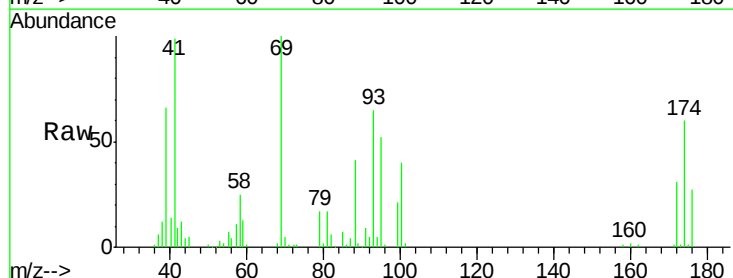
Manual Integrations
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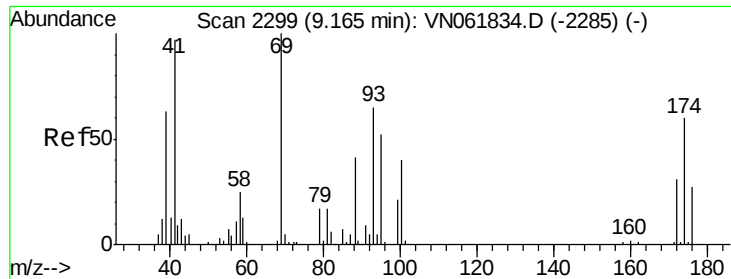
MMDadoda
6/17/2020 3:44:58 PM



#48
Methyl methacrylate
Concen: 47.716 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	41	Resp	76625
Ion Ratio	100	Lower	Upper
41	100		
69	103.7	83.0	124.4
39	68.9	55.1	82.7





#49

1,4-Dioxane

Concen: 1318.084 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 35584

Ion Ratio Lower Upper

88 100

43 29.3 23.4 35.2

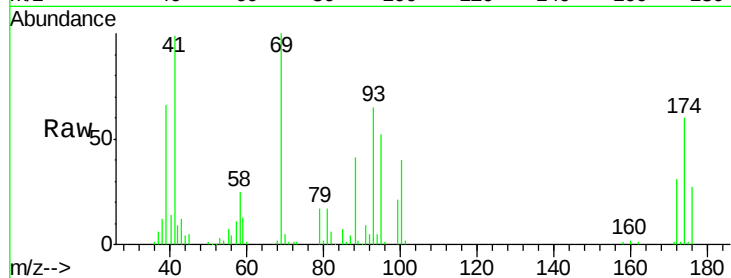
58 62.2 49.8 74.6

Manual Integrations

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MMDadoda

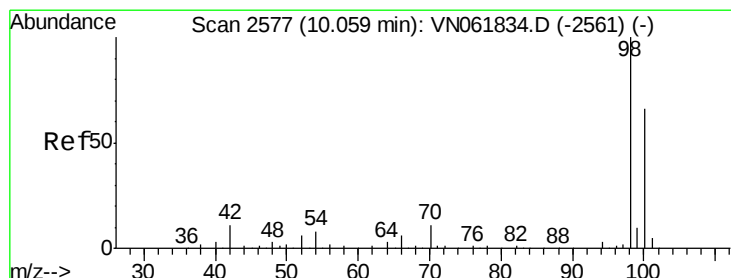
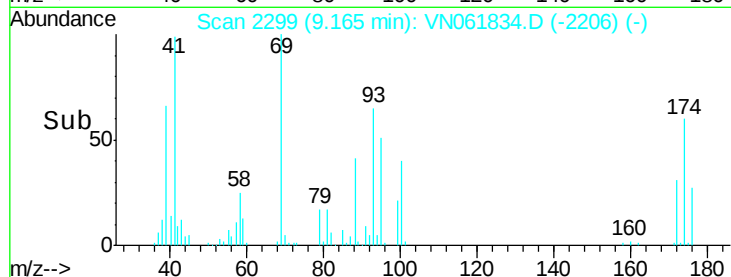
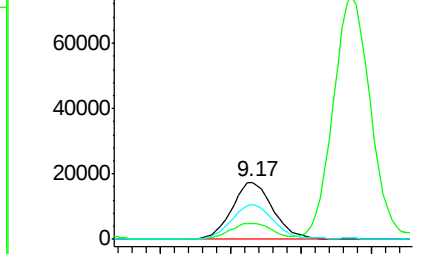
6/17/2020 3:44:58 PM



Abundance Ion 88.00 (87.70 to 88.70): VN061834.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2285) (-)



#50

Toluene-d8

Concen: 51.256 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061834.D

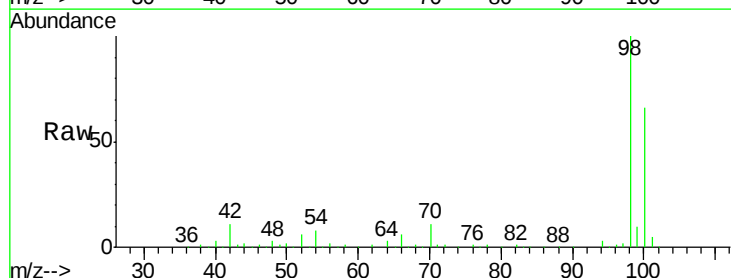
Acq: 16 Jun 2020 18:37

Tgt Ion: 98 Resp: 335782

Ion Ratio Lower Upper

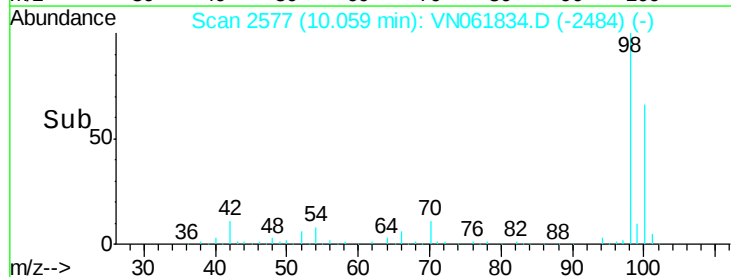
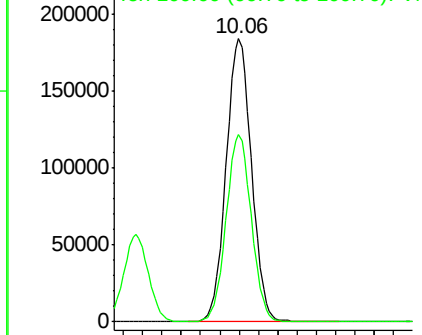
98 100

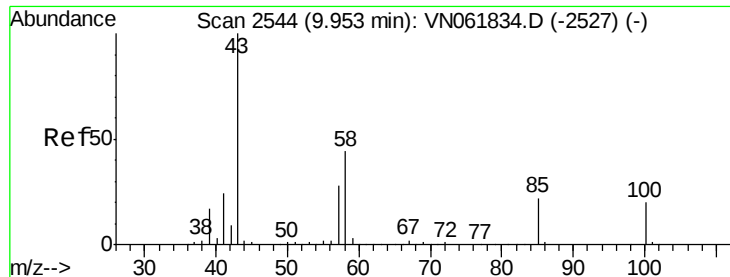
100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)





#51

4-Methyl-2-Pentanone

Concen: 252.219 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 507478

Ion Ratio Lower Upper

43 100

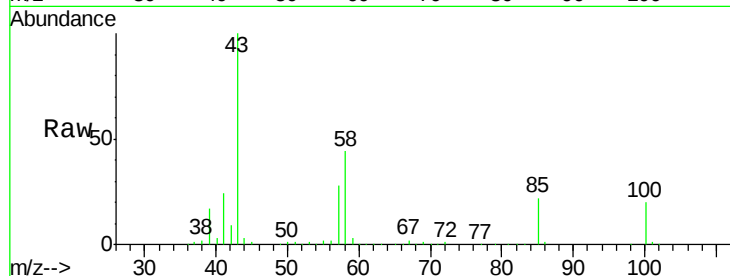
58 43.3 34.6 52.0

Manual Integrations

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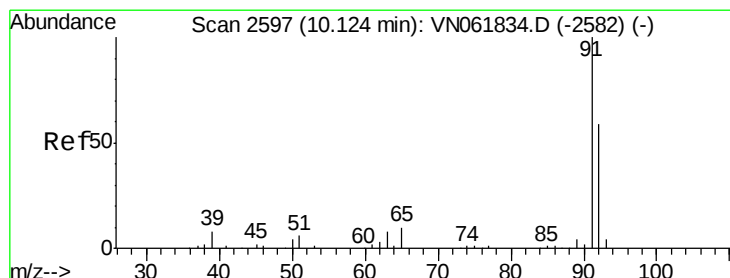
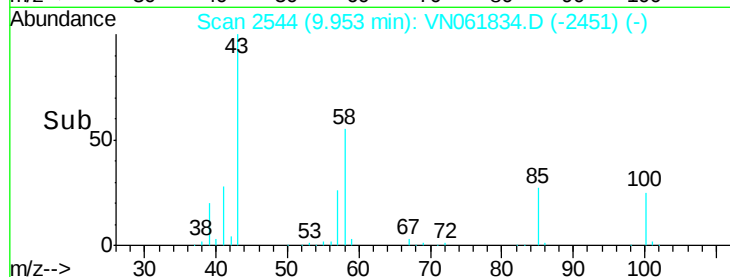
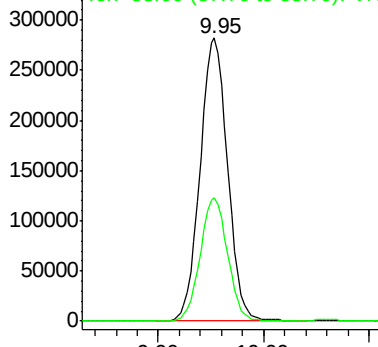
MMDadoda

6/17/2020 3:44:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.641 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061834.D

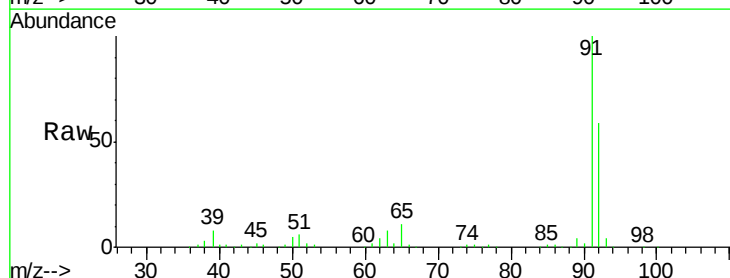
Acq: 16 Jun 2020 18:37

Tgt Ion: 92 Resp: 252118

Ion Ratio Lower Upper

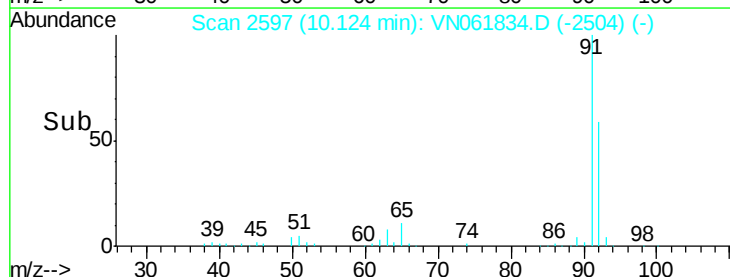
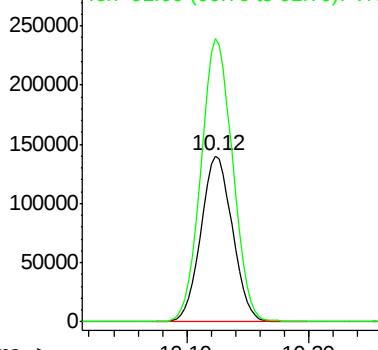
92 100

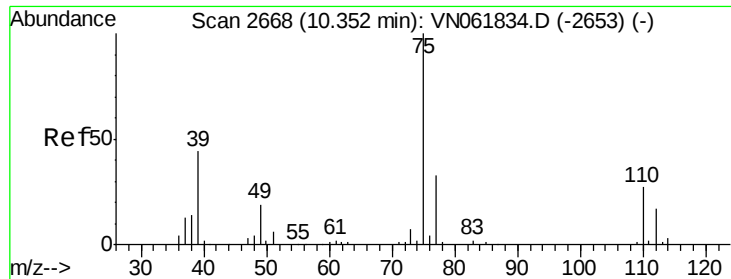
91 171.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





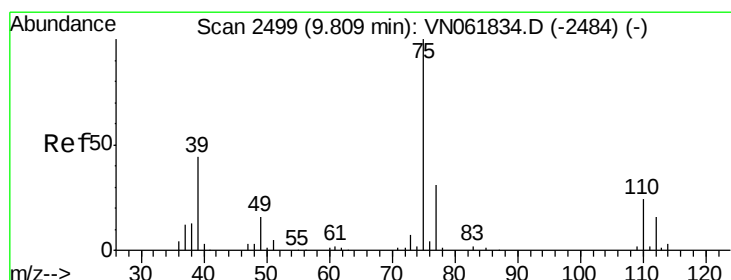
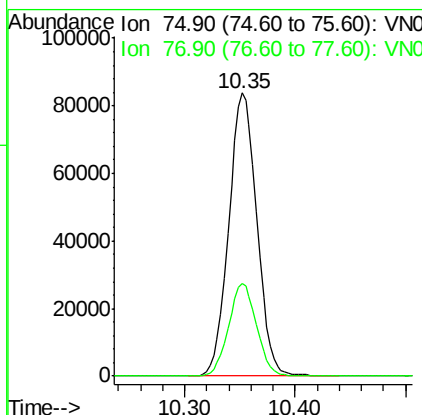
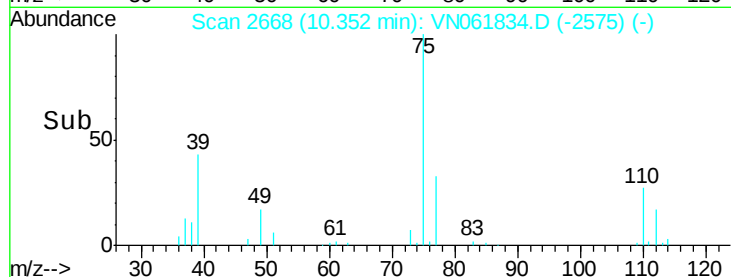
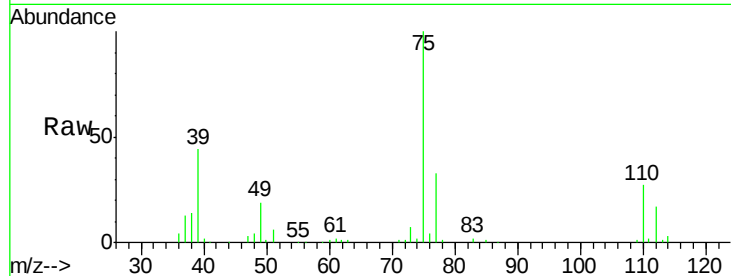
#53
t-1,3-Dichloropropene
Concen: 50.063 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	32.9	26.3	39.5	

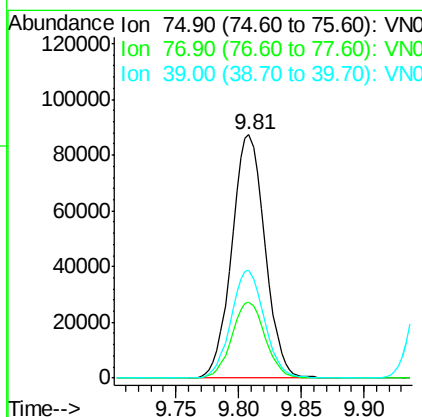
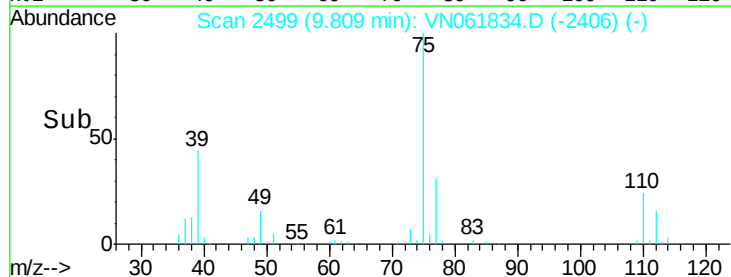
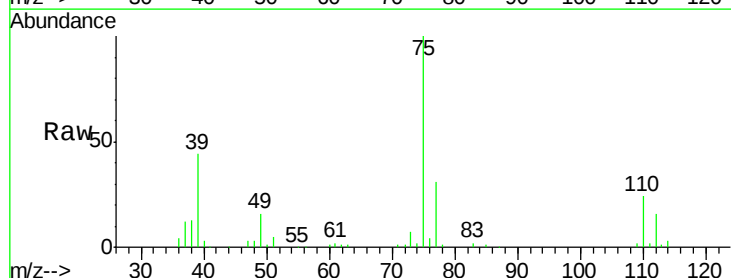
Manual Integrations
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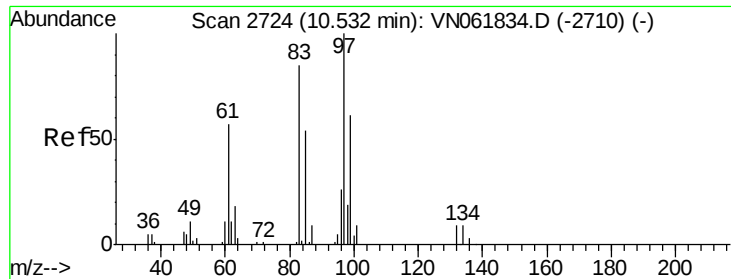
MMDadoda
6/17/2020 3:44:58 PM



#54
cis-1,3-Dichloropropene
Concen: 50.375 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	31.0	24.8	37.2	
39	44.2	35.4	53.0	





#55

1,1,2-Trichloroethane

Concen: 49.137 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

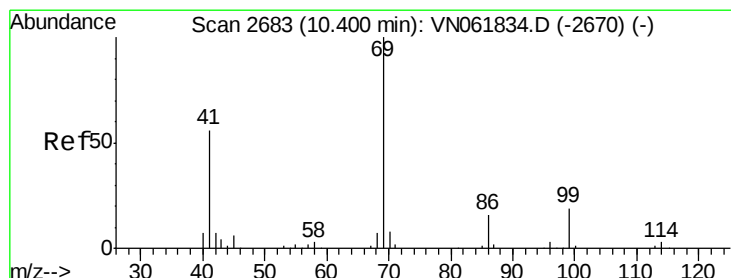
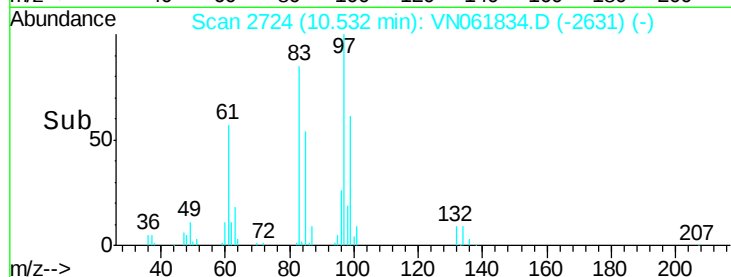
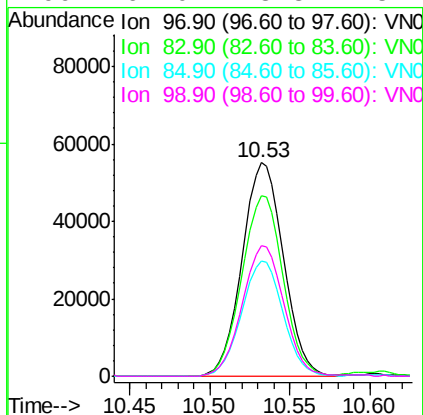
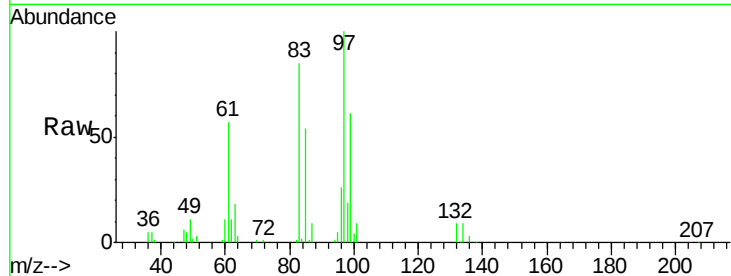
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	97256
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	54.2	43.4	65.0
99	61.0	48.8	73.2

Manual Integrations
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6/17/2020 3:44:58 PM



#56

Ethyl methacrylate

Concen: 49.557 ug/l

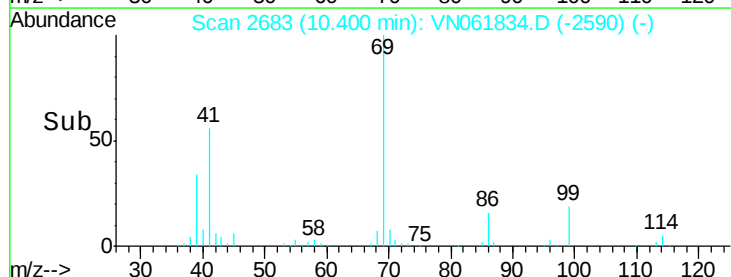
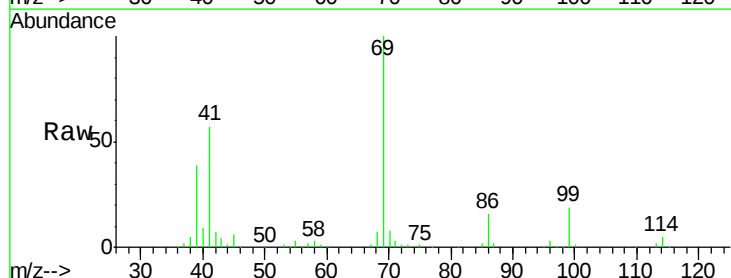
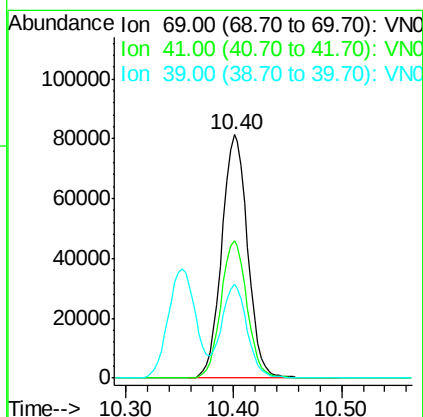
RT: 10.40 min Scan# 2683

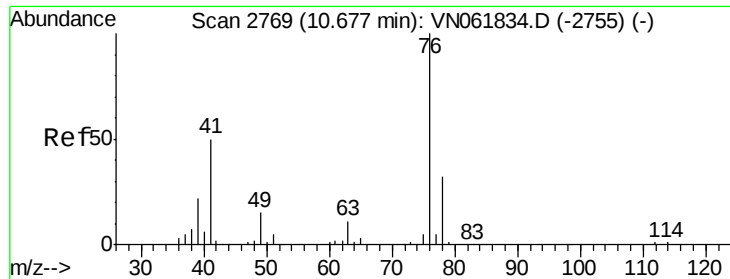
Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion:	69	Resp:	135951
Ion	Ratio	Lower	Upper
69	100		
41	56.1	44.9	67.3
39	37.5	30.0	45.0





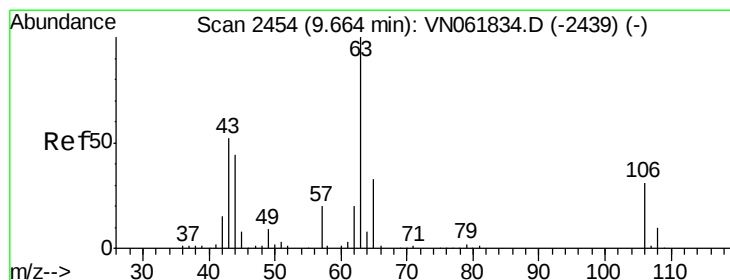
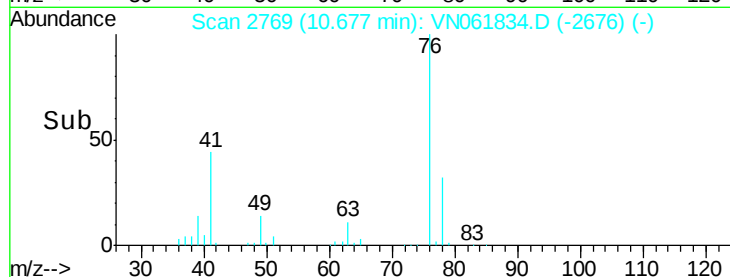
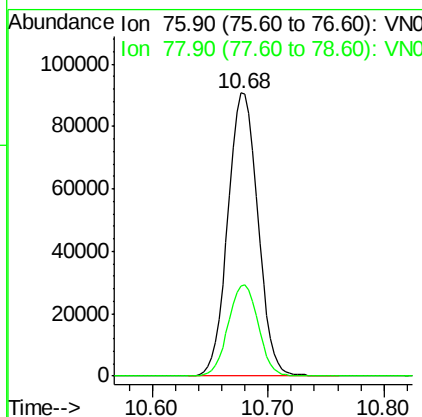
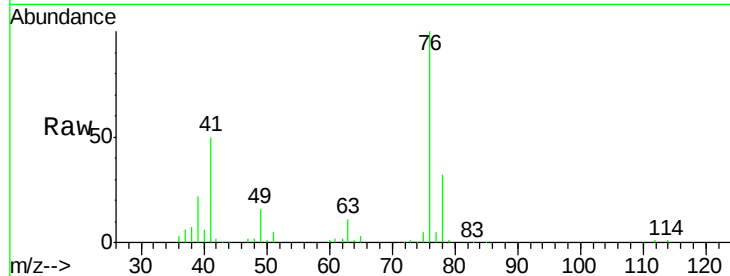
#57
 1,3-Dichloropropane
 Concen: 51.309 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 163470
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

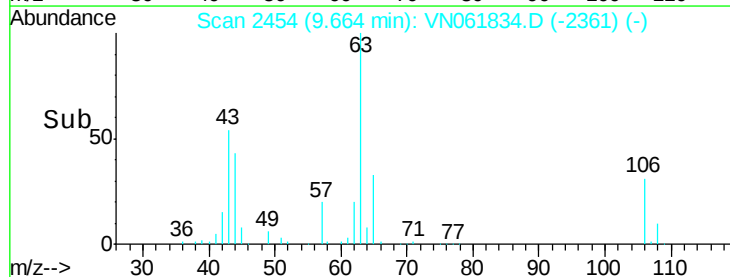
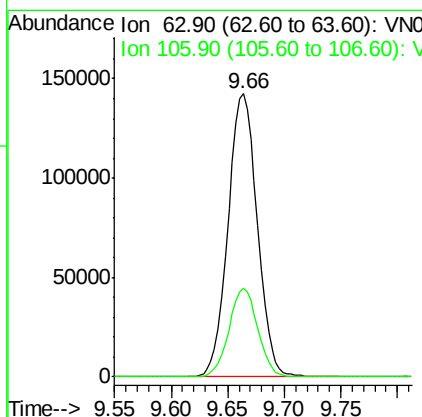
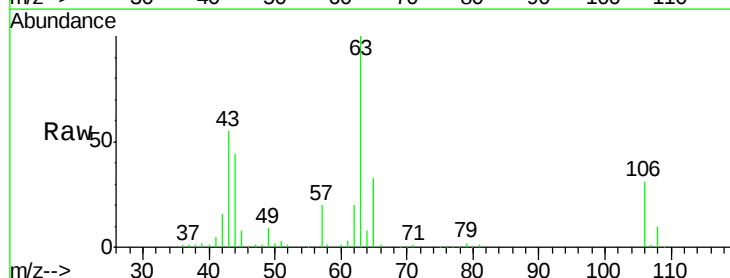
Manual Integrations
 APPROVED

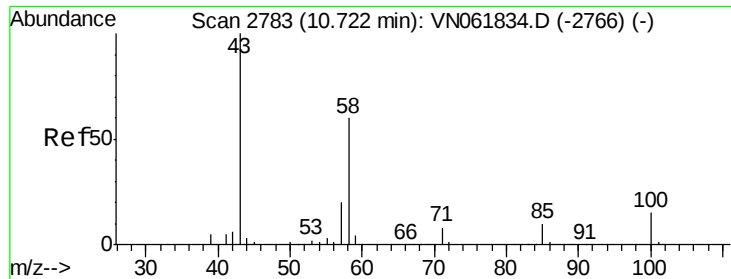
MMDadoda
 6/17/2020 3:44:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.584 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion: 63 Resp: 256737
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.6 36.8





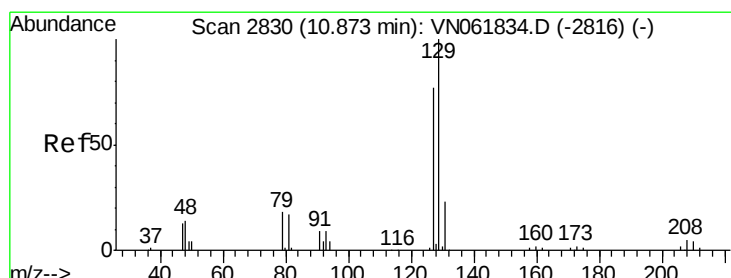
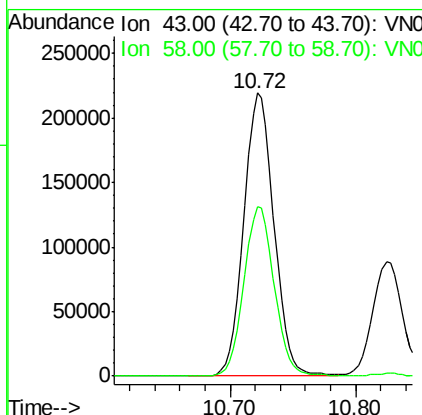
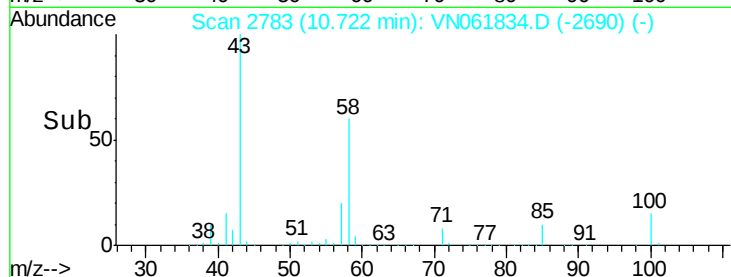
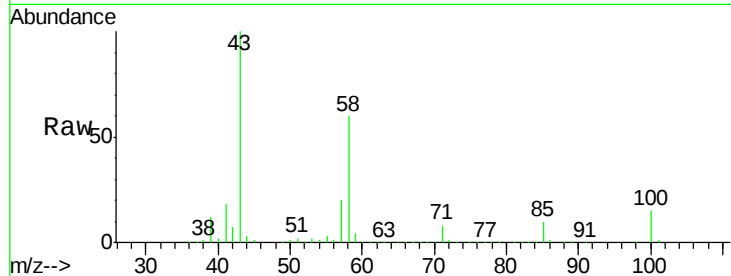
#59
2-Hexanone
Concen: 253.117 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 365788
Ion Ratio Lower Upper
43 100
58 60.3 30.1 90.5

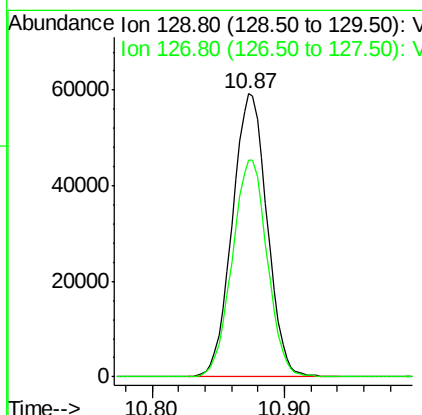
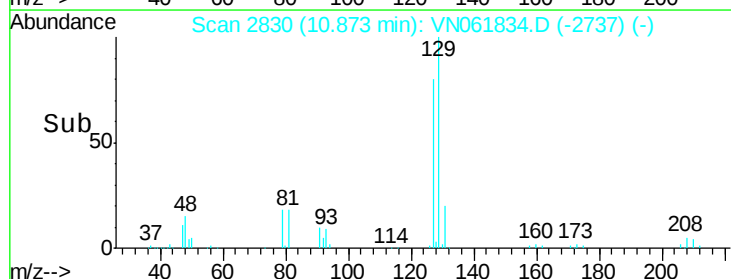
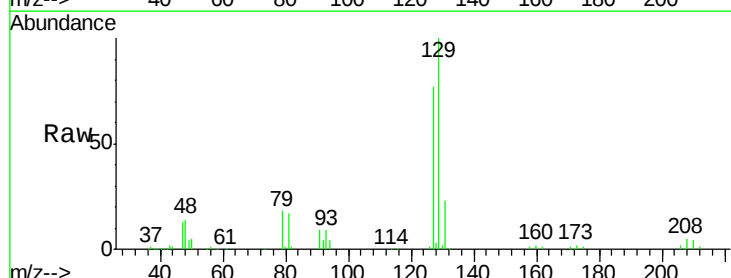
Manual Integrations
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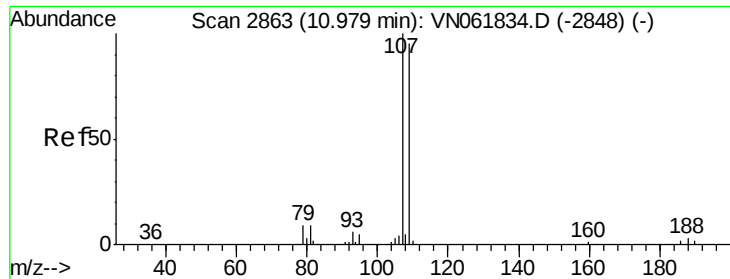
MMDadoda
6/17/2020 3:44:58 PM



#60
Dibromochloromethane
Concen: 48.487 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion: 129 Resp: 107919
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





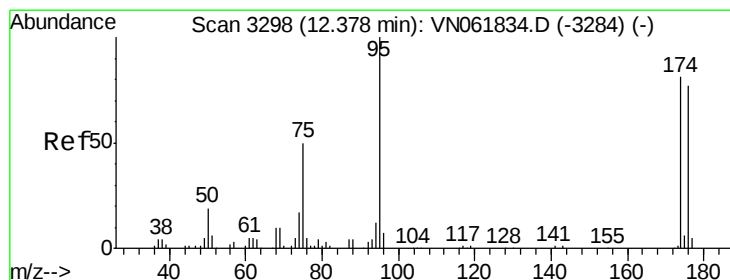
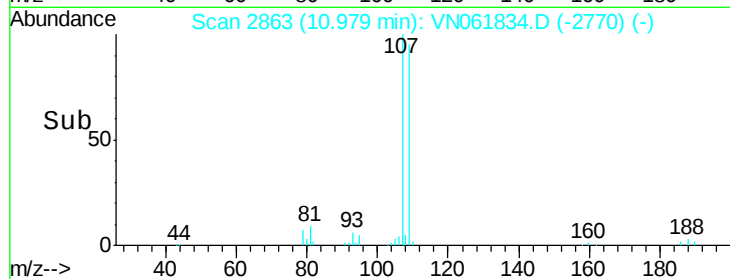
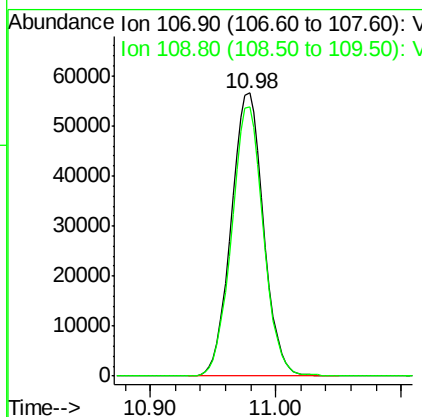
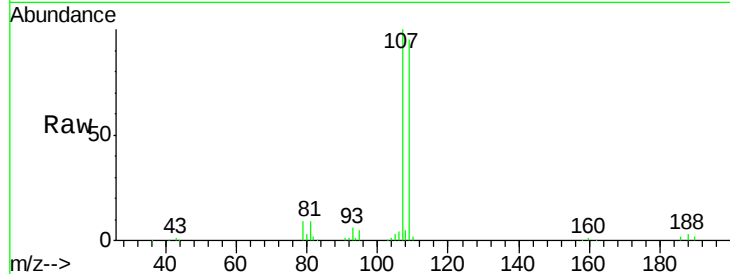
#61
 1,2-Dibromoethane
 Concen: 49.199 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

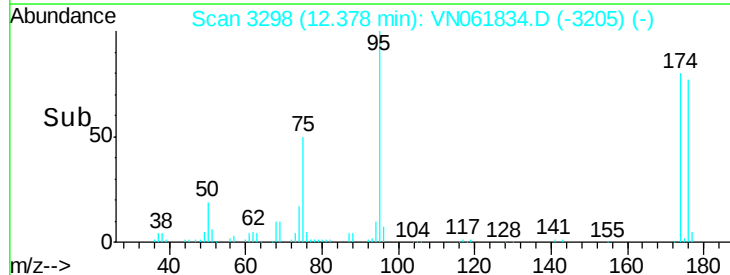
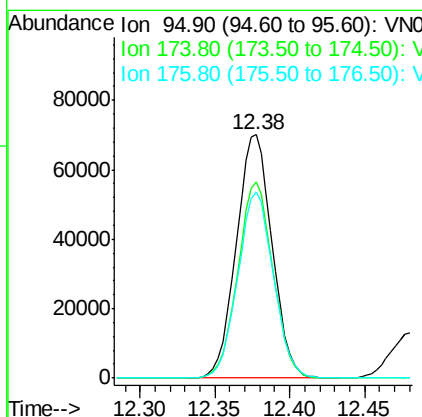
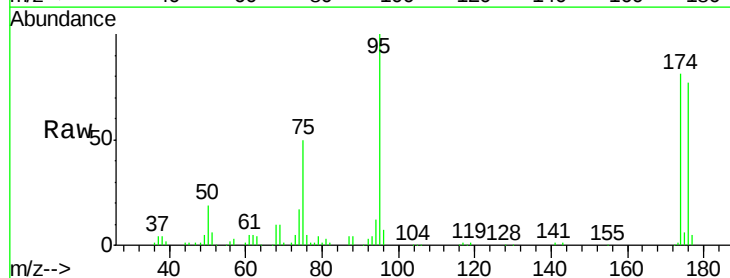
Manual Integrations
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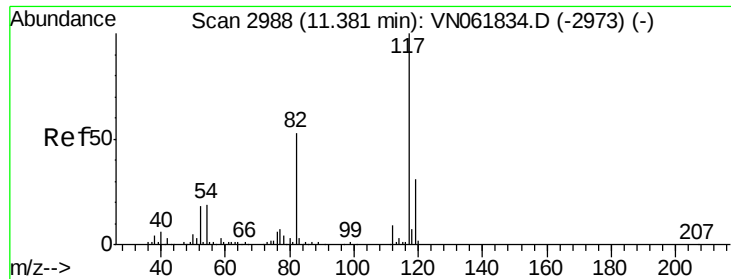
MMDadoda
 6/17/2020 3:44:58 PM



#62
 4-Bromofluorobenzene
 Concen: 49.030 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	158.6
176	76.0	0.0	152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

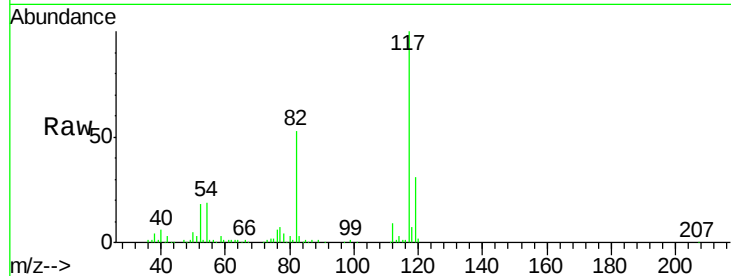
ClientSampleId :

VSTDICCC050

Tot Ion:	117	Resp:	260468
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.6	64.0
119	30.9	24.7	37.1

Manual Integrations
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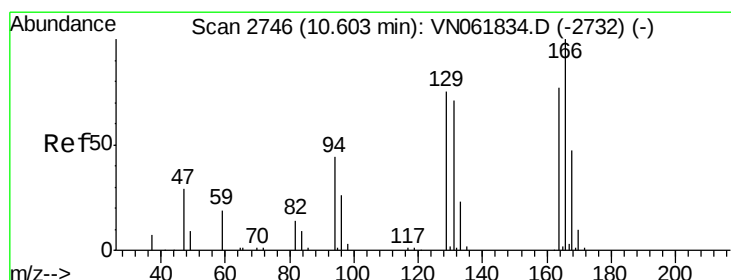
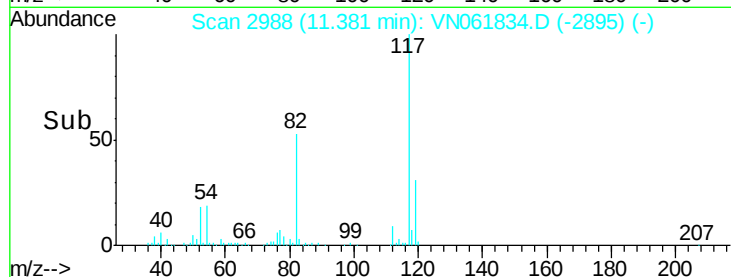
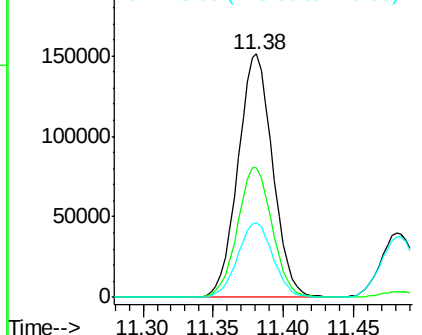


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 35.888 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion:	164	Resp:	83639
Ion Ratio	Lower	Upper	
164	100		
166	129.4	103.5	155.3
129	96.9	77.5	116.3
131	92.3	73.8	110.8

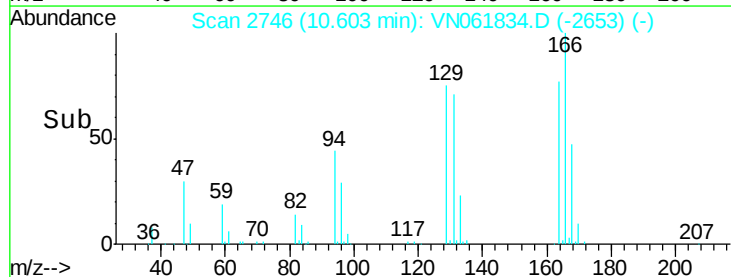
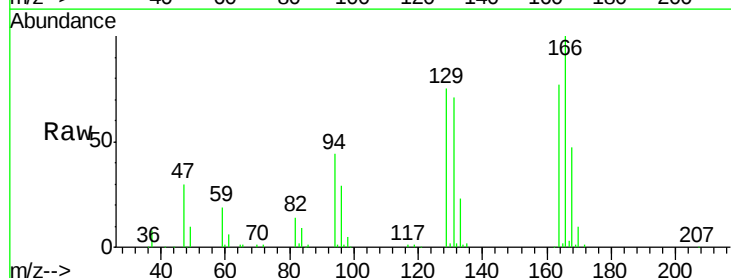
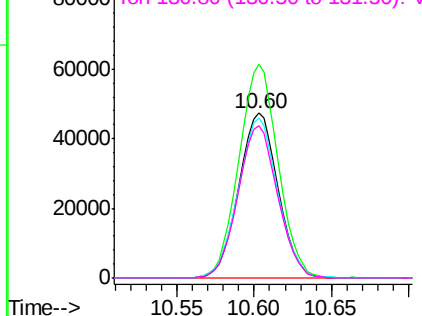
Abundance

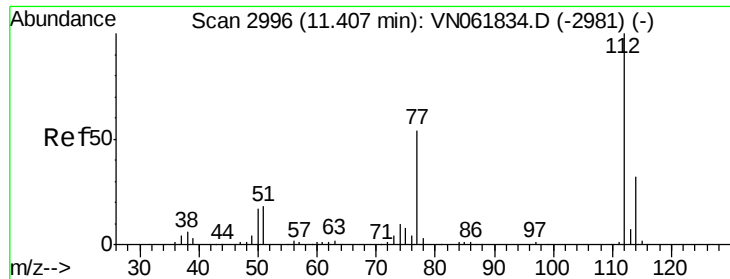
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





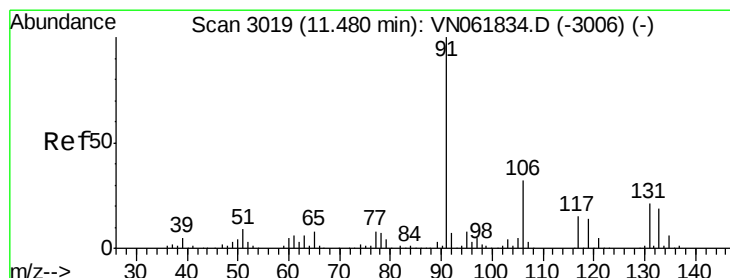
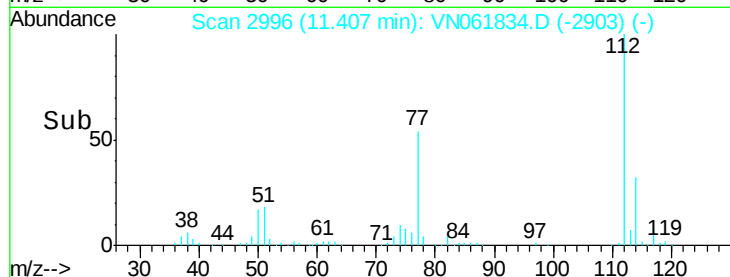
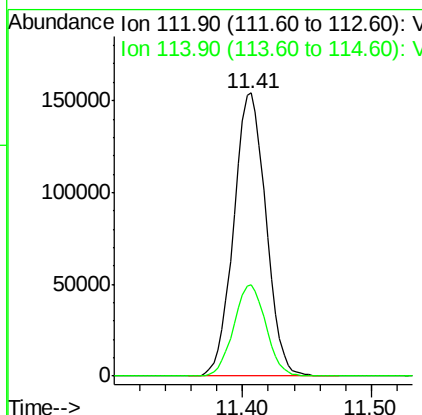
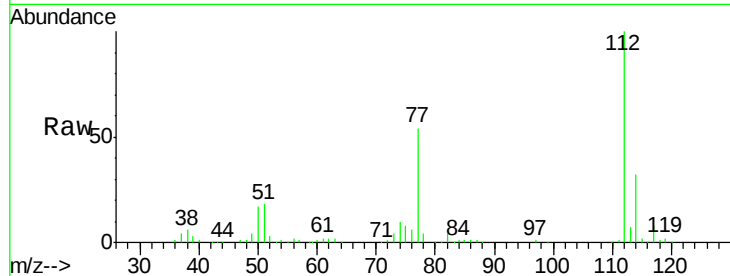
#65
Chlorobenzene
Concen: 49.320 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 267928
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

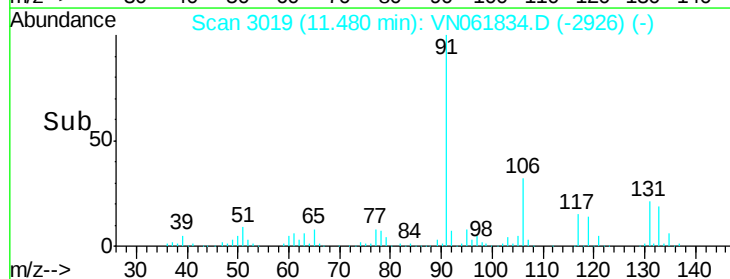
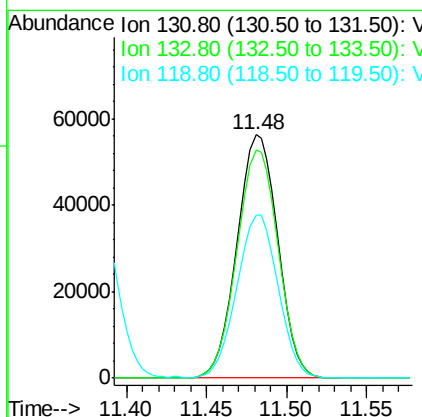
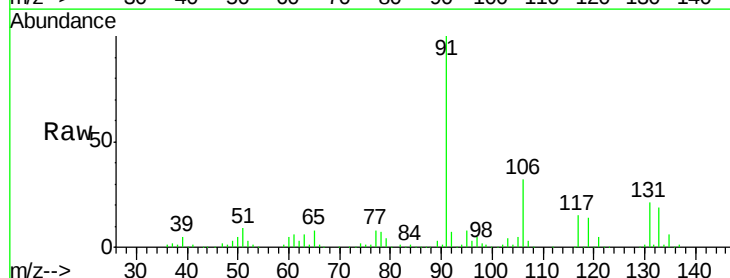
Manual Integrations
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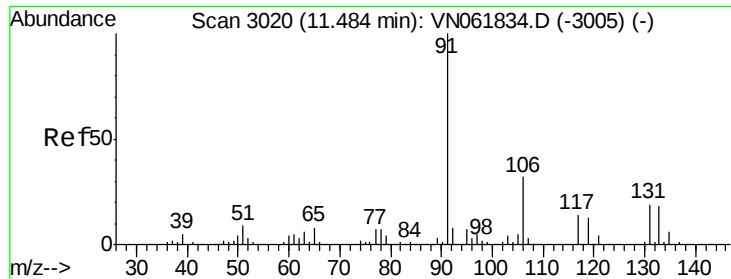
MMDadoda
6/17/2020 3:44:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.643 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion:131 Resp: 97802
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 67.9 34.0 101.8





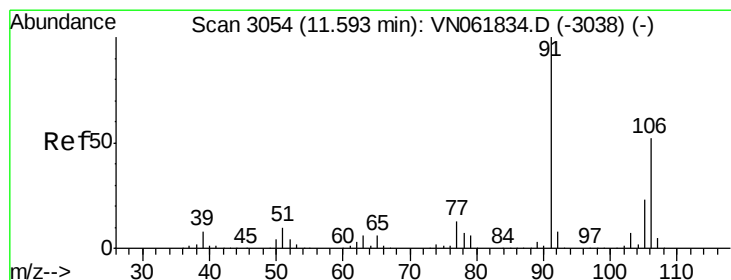
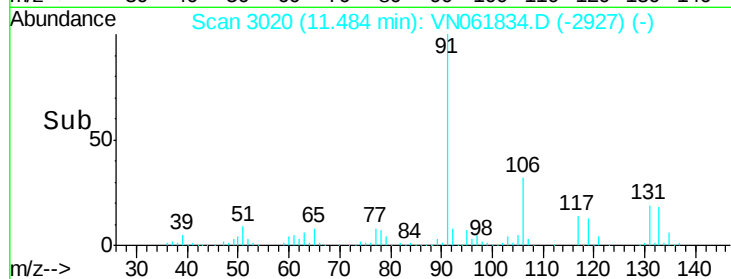
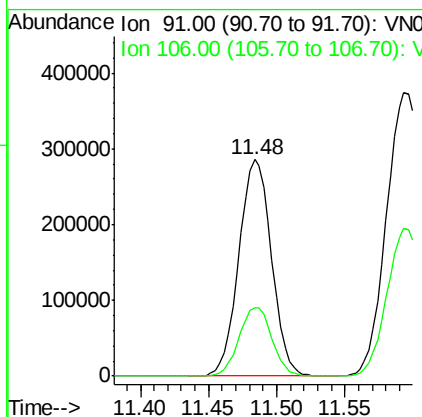
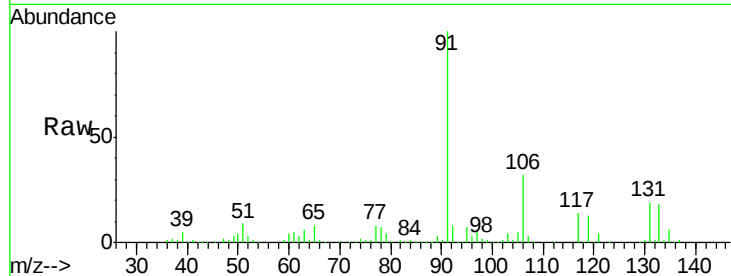
#67
Ethyl Benzene
Concen: 50.468 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 474810
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

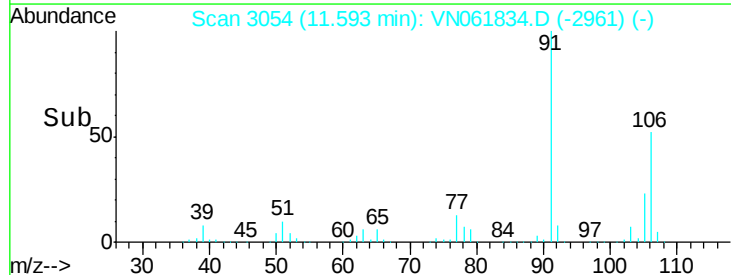
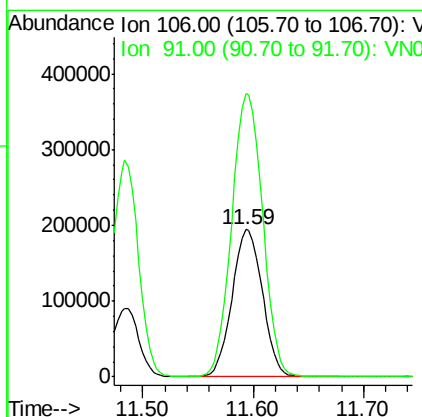
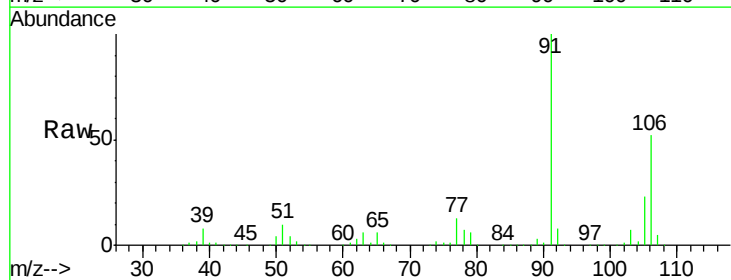
Manual Integrations
APPROVED

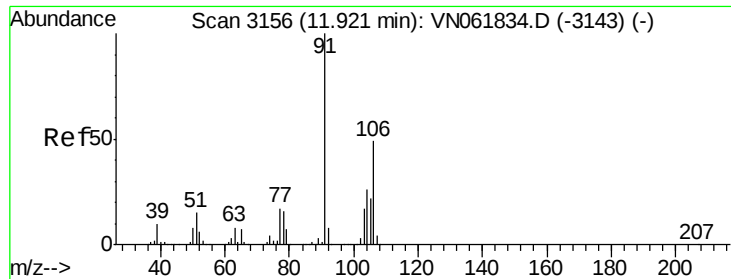
MMDadoda
6/17/2020 3:44:58 PM



#68
m/p-Xylenes
Concen: 99.511 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion: 106 Resp: 369911
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





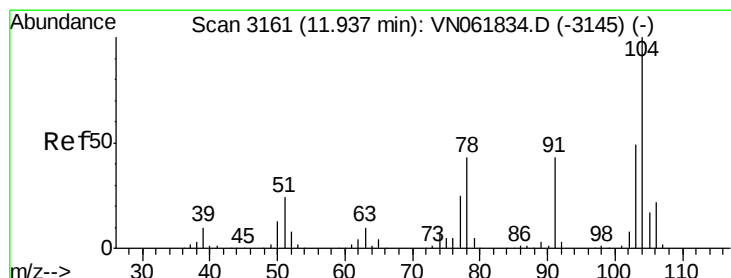
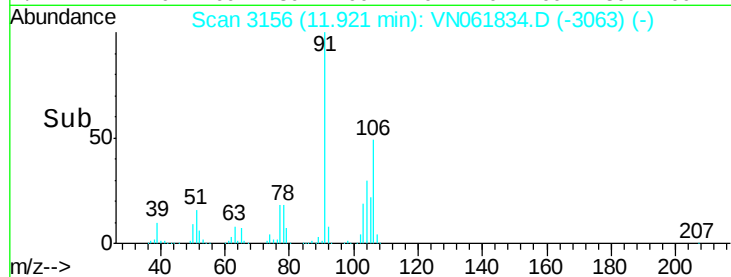
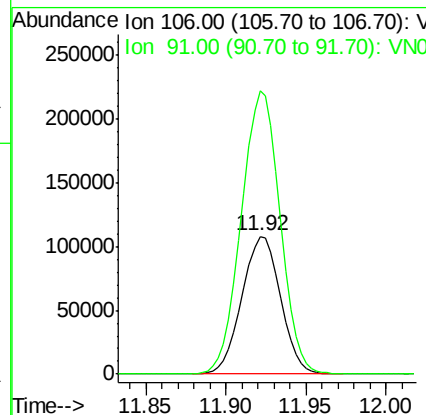
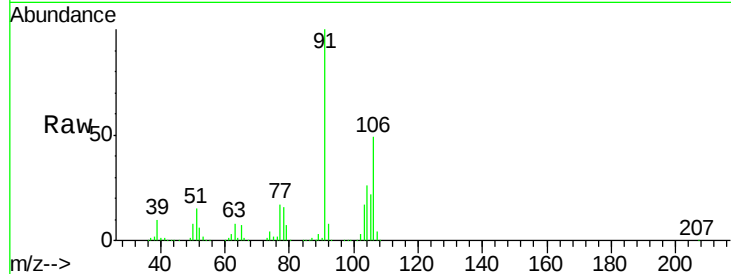
#69
o-Xylene
Concen: 50.468 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.9	103.0	308.9	

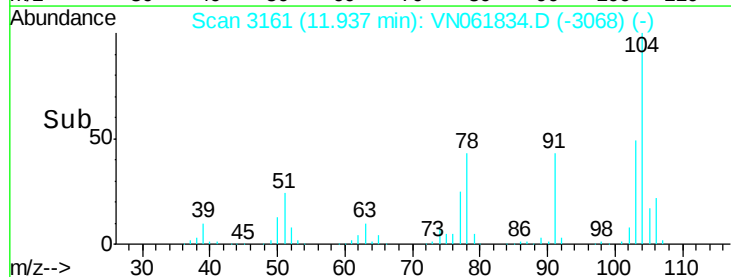
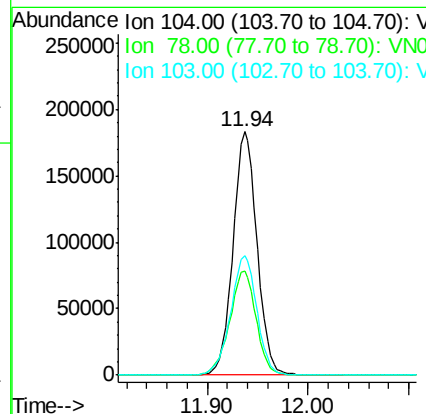
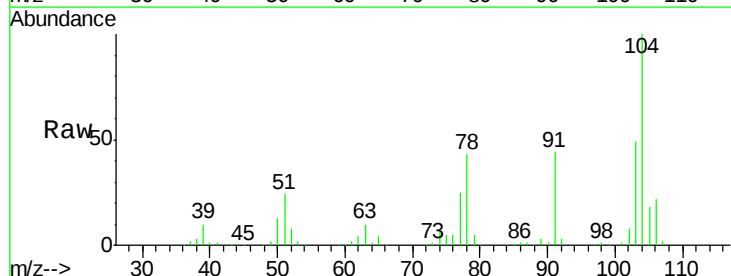
Manual Integrations
APPROVED

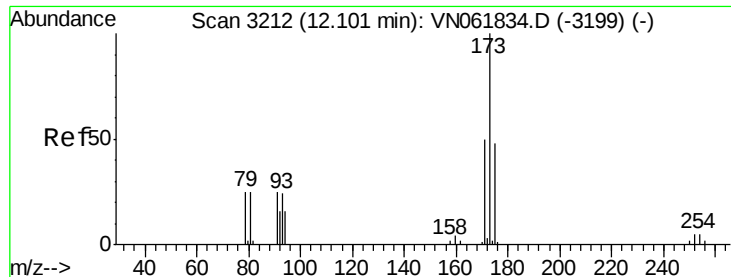
MMDadoda
6/17/2020 3:44:58 PM



#70
Styrene
Concen: 51.909 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	37.6	56.4	
103	53.7	43.0	64.4	





#71

Bromoform

Concen: 47.601 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 72935

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.7

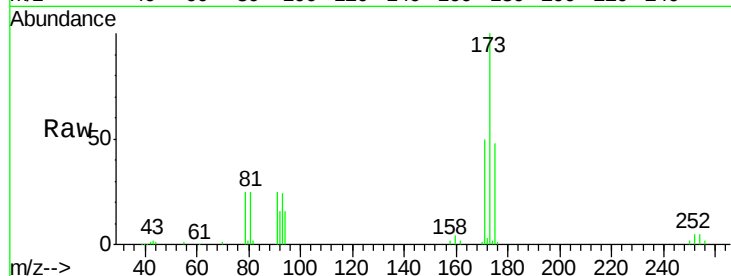
254 0.0 0.0 0.0

Manual Integrations

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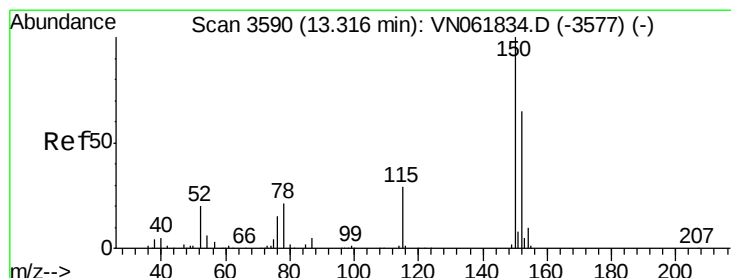
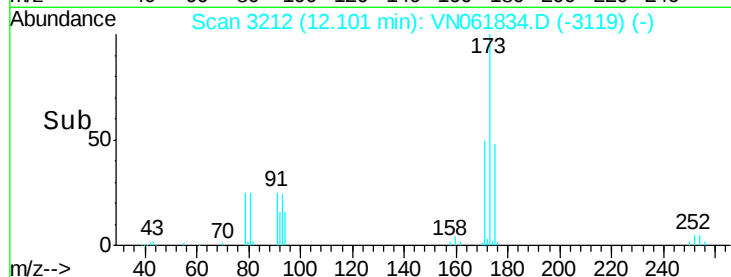
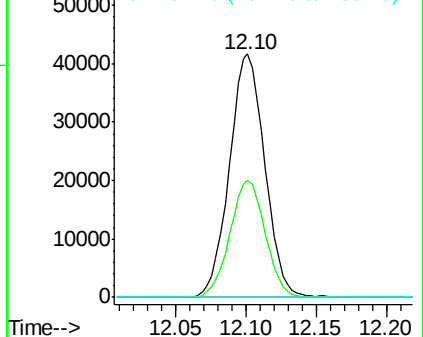
6/17/2020 3:44:58 PM



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# 3590

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

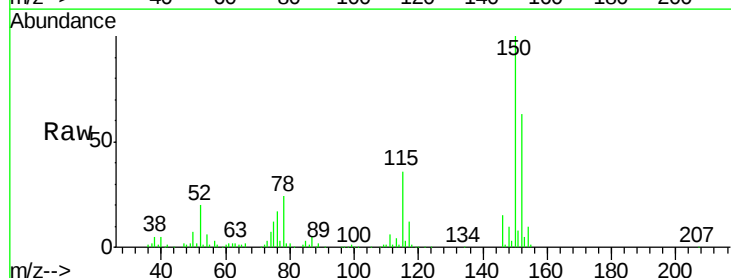
Tgt Ion:152 Resp: 128879

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

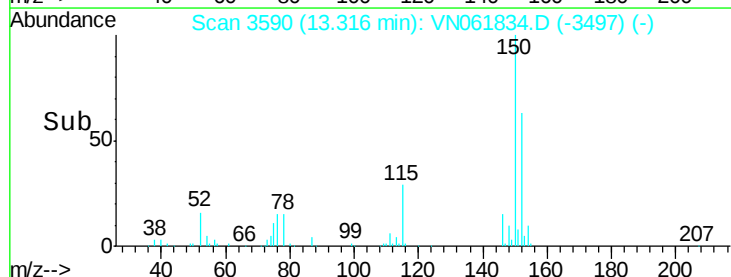
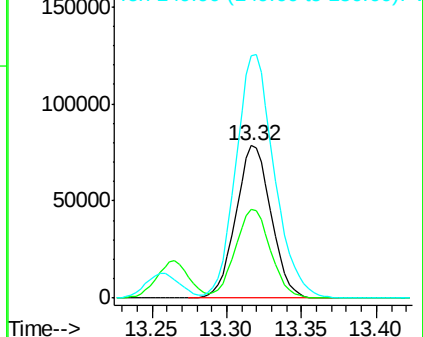
150 173.8 0.0 347.6

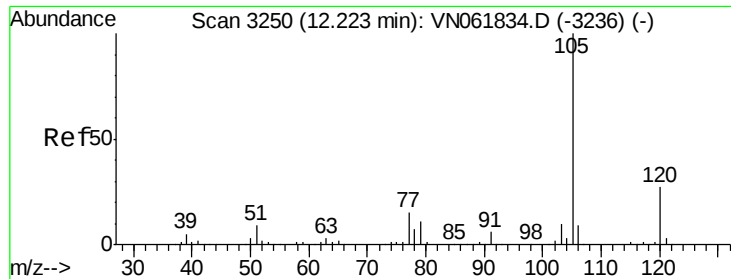


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.236 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 466265

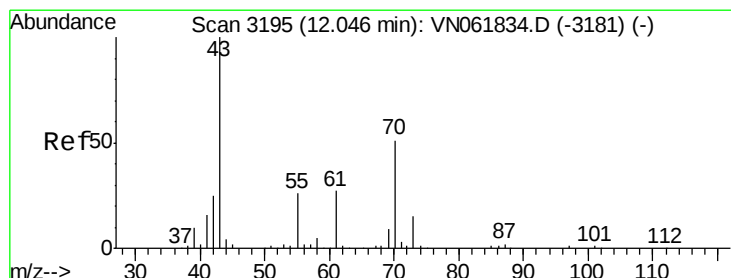
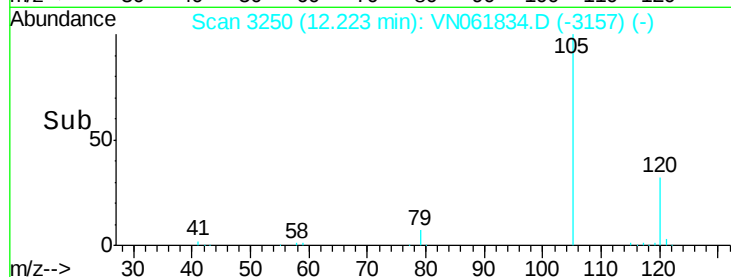
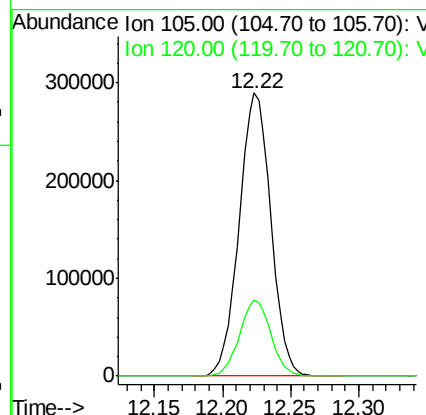
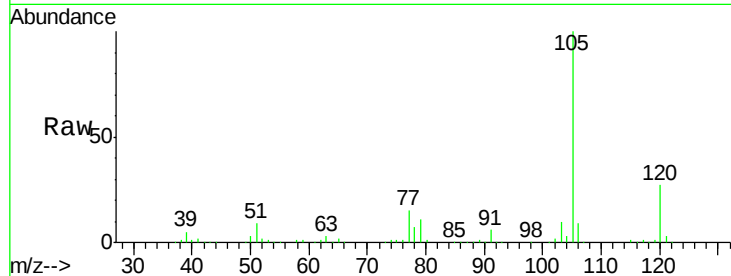
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 51.314 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Tgt Ion: 43 Resp: 153193

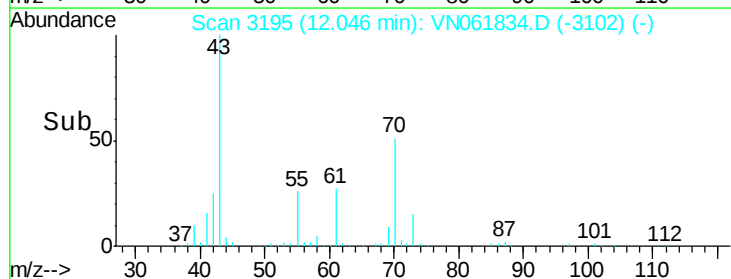
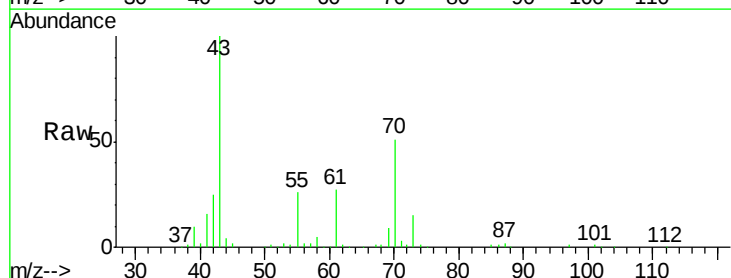
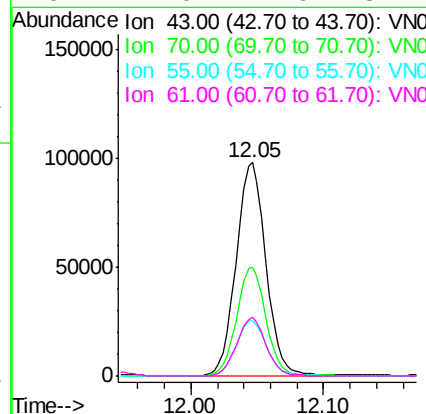
Ion Ratio Lower Upper

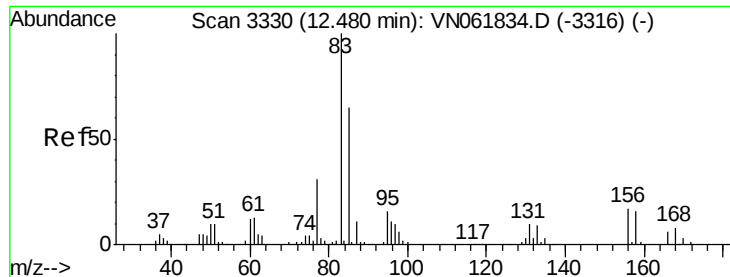
43 100

70 50.7 40.6 60.8

55 26.9 21.5 32.3

61 27.0 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.226 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 140738

Ion Ratio Lower Upper

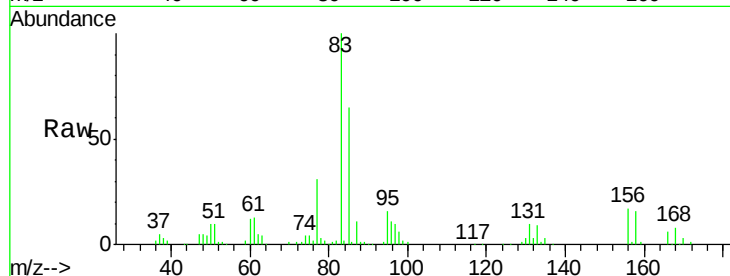
83 100

131 10.0 5.0 15.0

85 64.8 32.4 97.2

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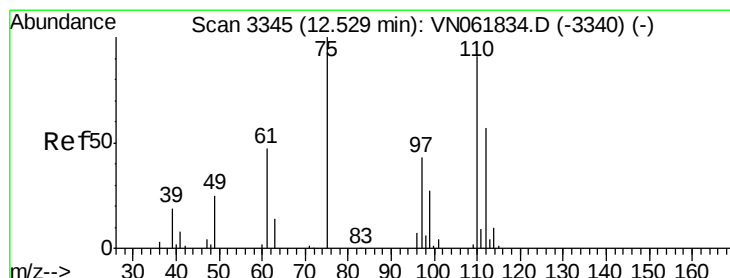
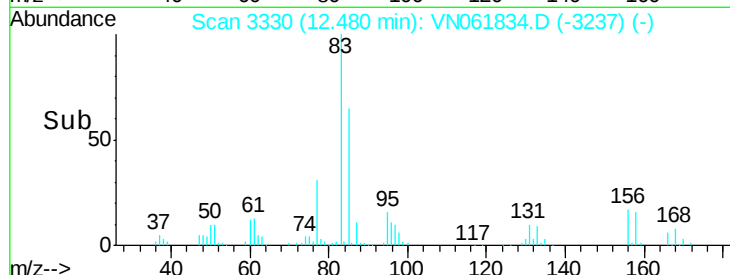
Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN061834.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-3316) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.649 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061834.D

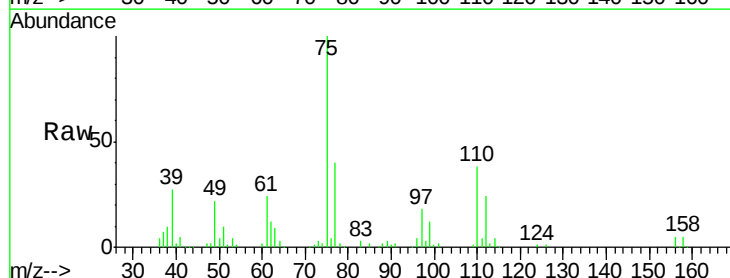
Acq: 16 Jun 2020 18:37

Tgt Ion: 75 Resp: 117751

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

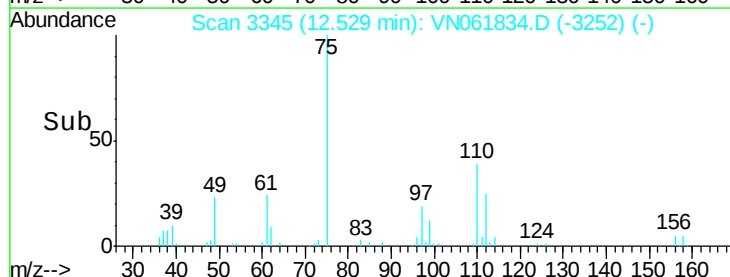


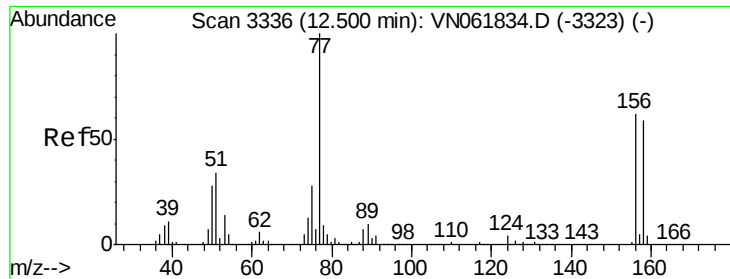
Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-3340) (-)

12.53

Time-->





#77

Bromobenzene

Concen: 47.386 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

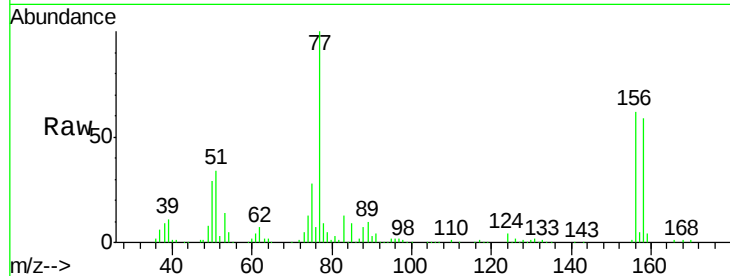
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.4	100.7	302.1
158	97.0	48.5	145.5

Manual Integrations
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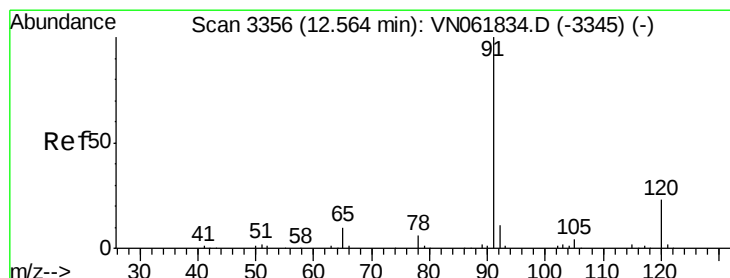
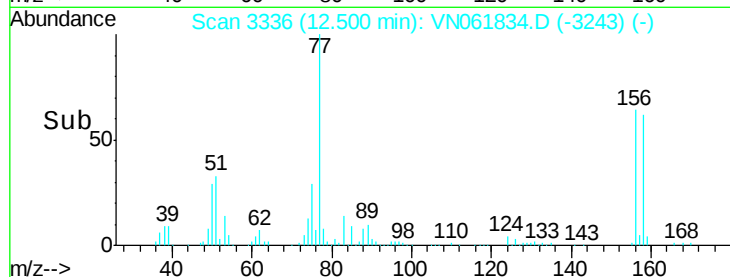
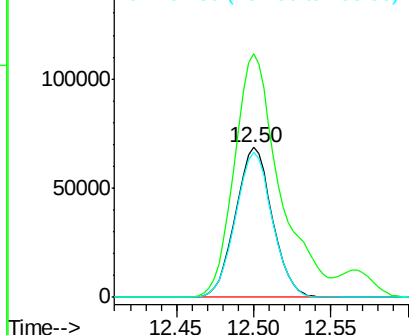
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.912 ug/l

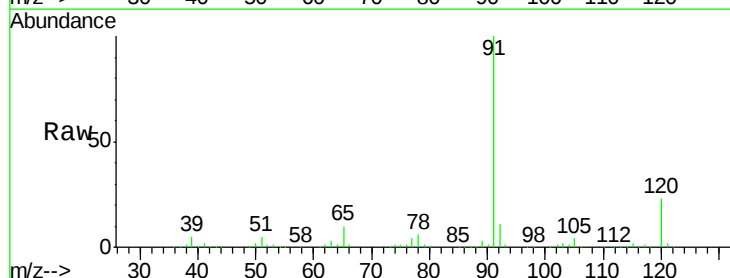
RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061834.D

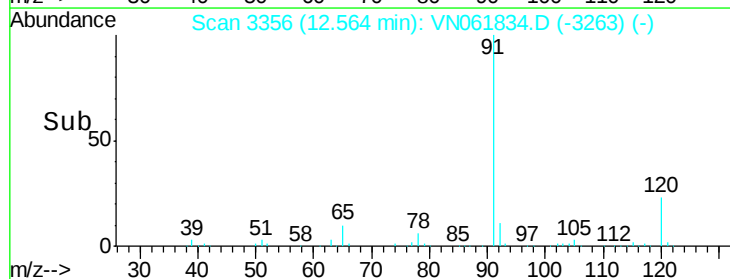
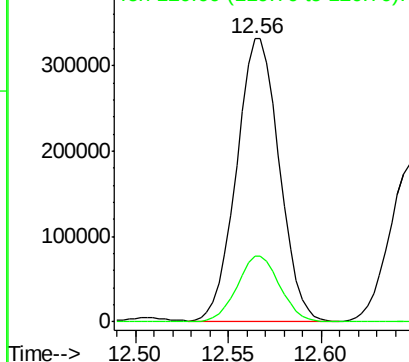
Acq: 16 Jun 2020 18:37

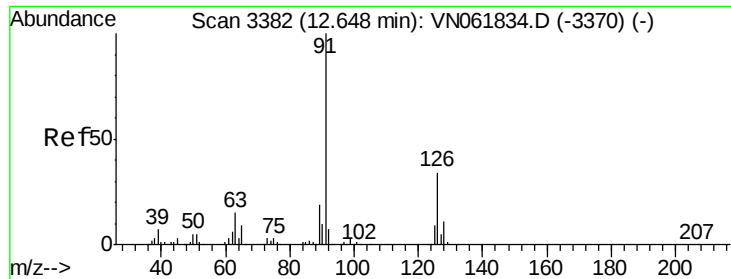
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.187 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 310622

Ion Ratio Lower Upper

91 100

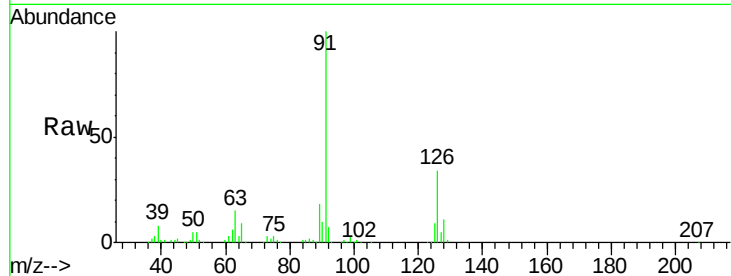
126 34.5 17.3 51.7

Manual Integrations

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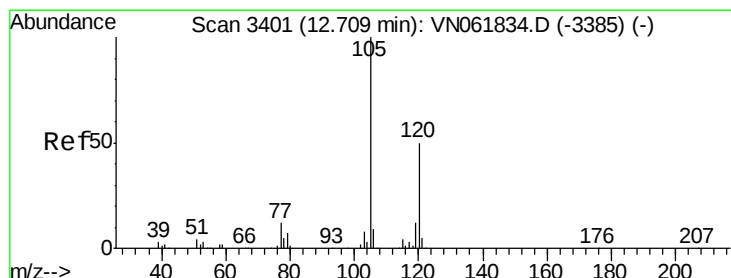
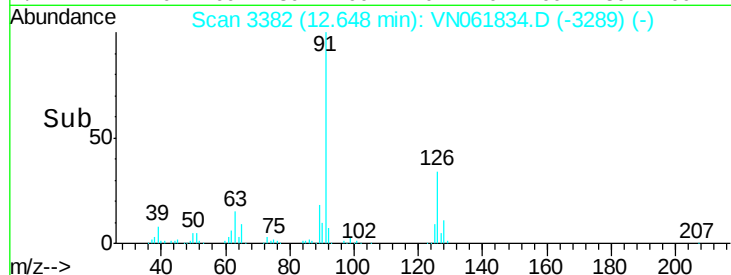
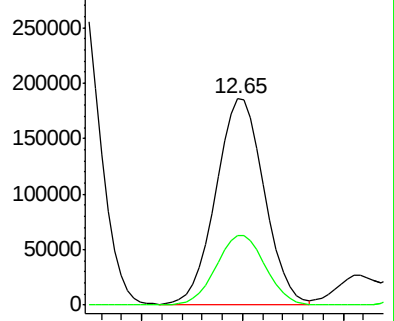
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.520 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061834.D

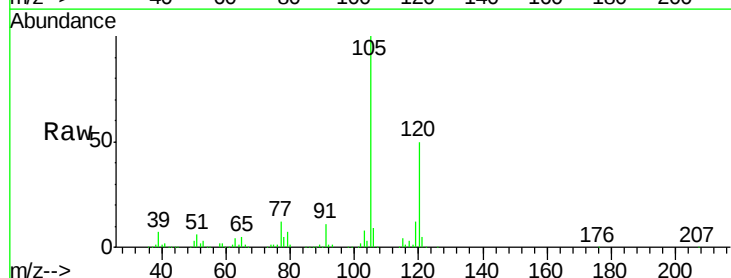
Acq: 16 Jun 2020 18:37

Tgt Ion: 105 Resp: 391374

Ion Ratio Lower Upper

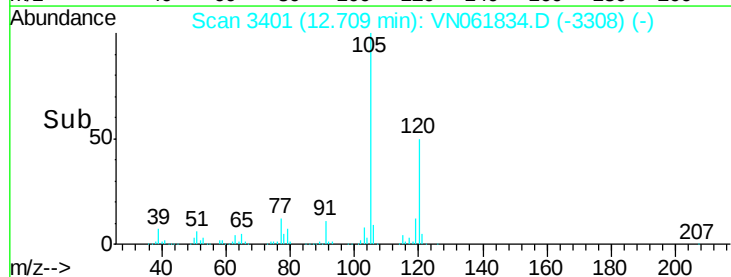
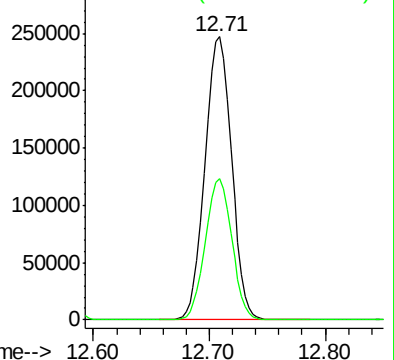
105 100

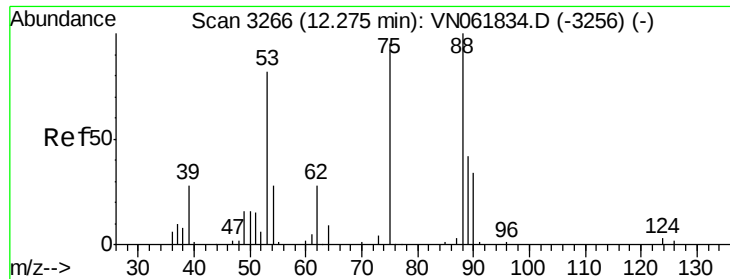
120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)





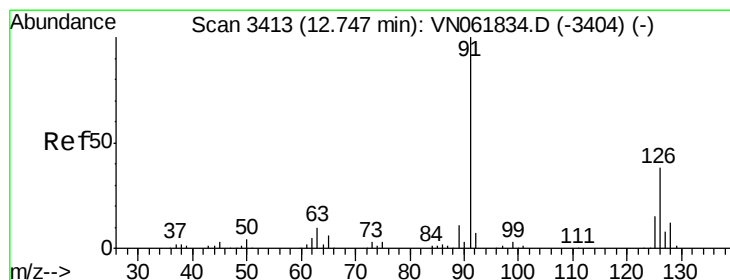
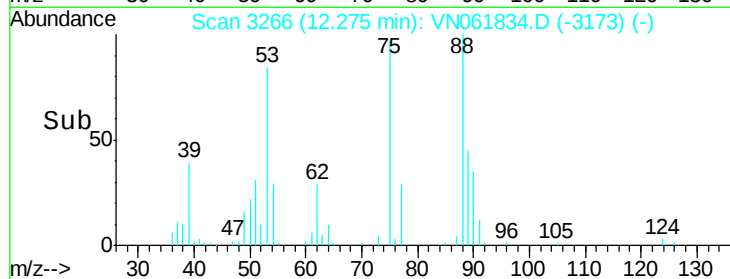
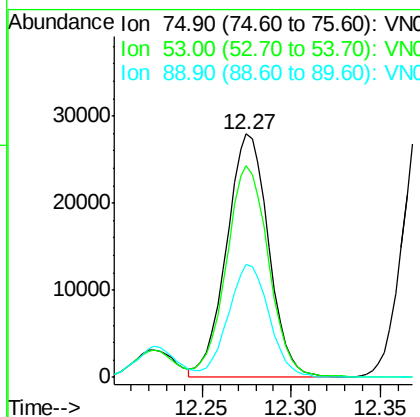
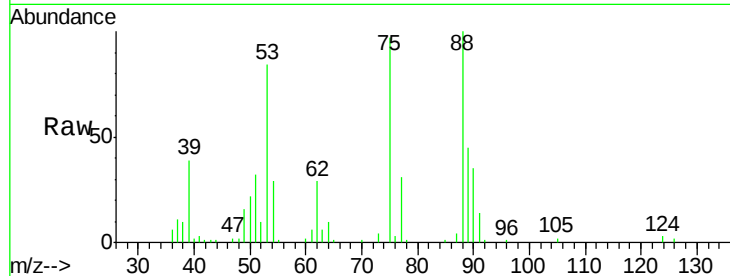
#81
trans-1,4-Dichloro-2-butene
Concen: 49.729 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	70.4	105.6
89	45.0	36.0	54.0

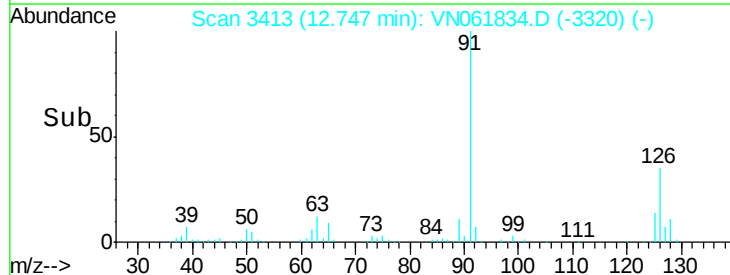
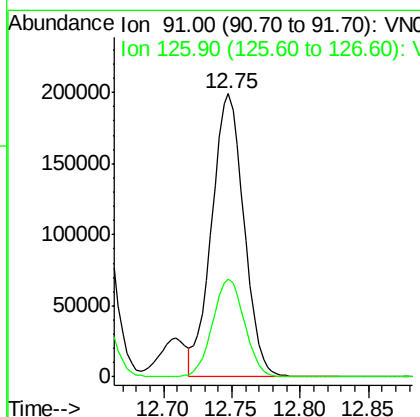
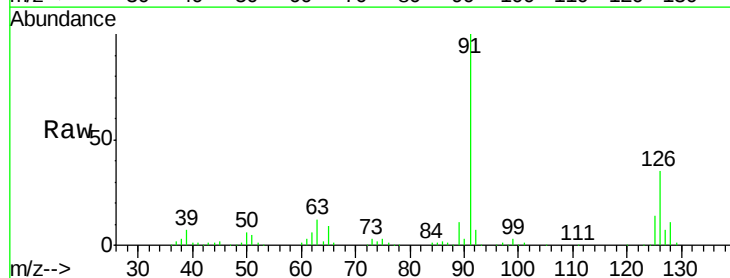
Manual Integrations
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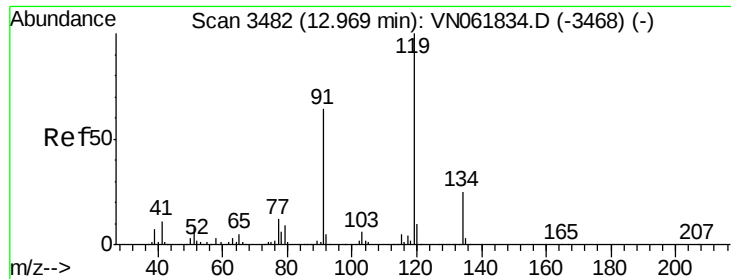
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#82
4-Chlorotoluene
Concen: 49.069 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





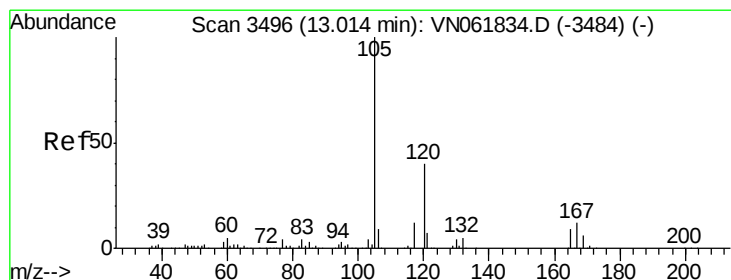
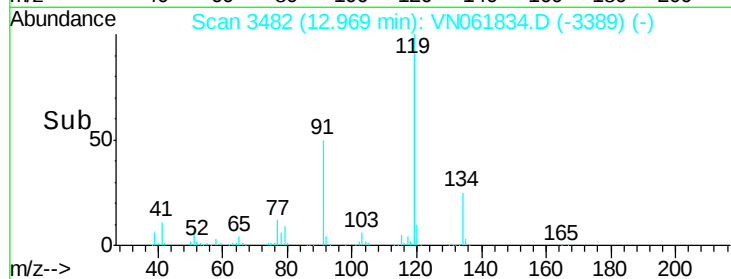
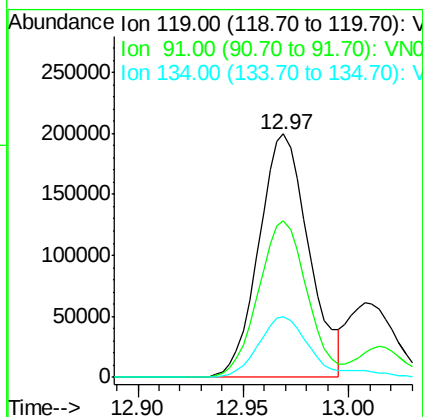
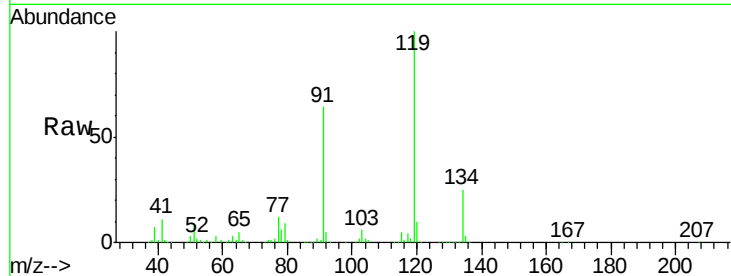
#83
 tert-Butylbenzene
 Concen: 47.370 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.5	94.5
134	26.6	13.3	39.9

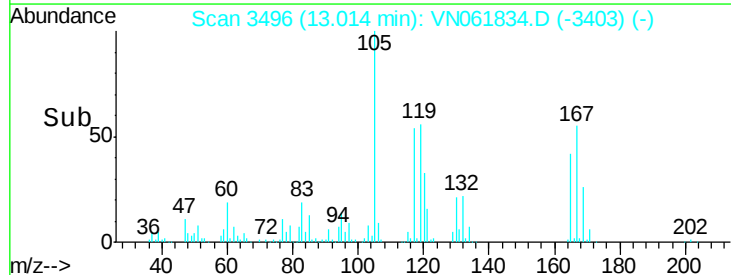
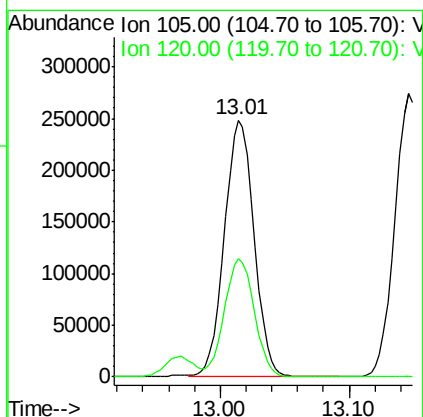
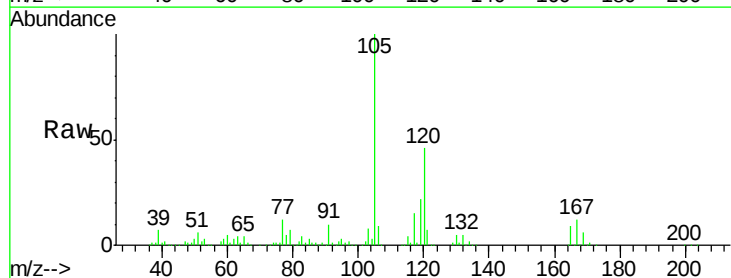
Manual Integrations
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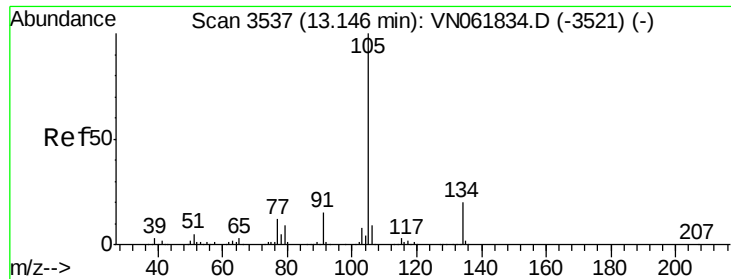
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.251 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 48.046 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 430430

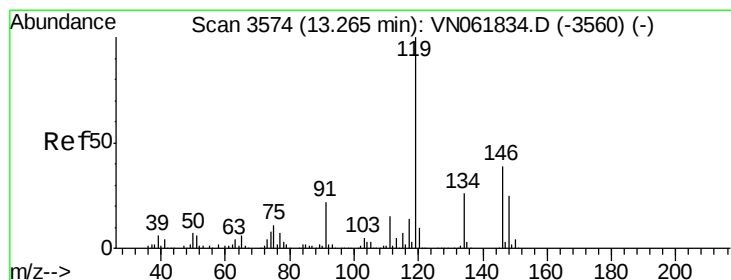
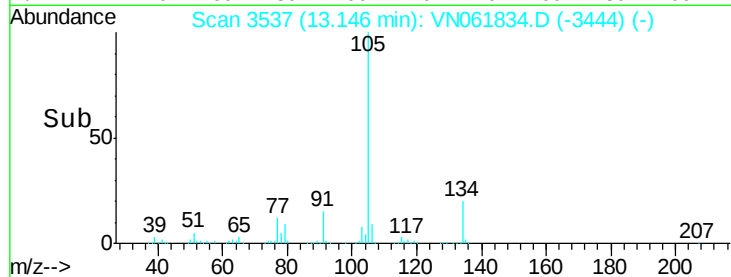
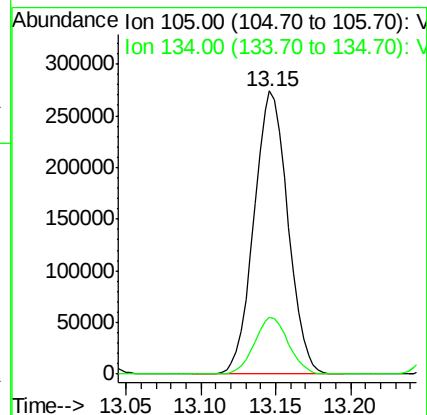
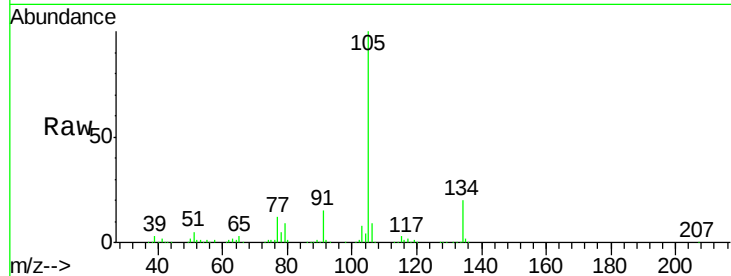
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 47.997 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061834.D

Acq: 16 Jun 2020 18:37

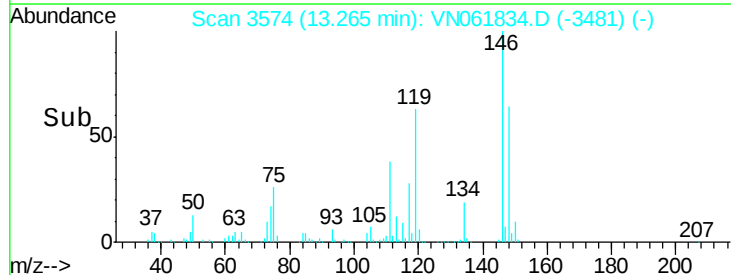
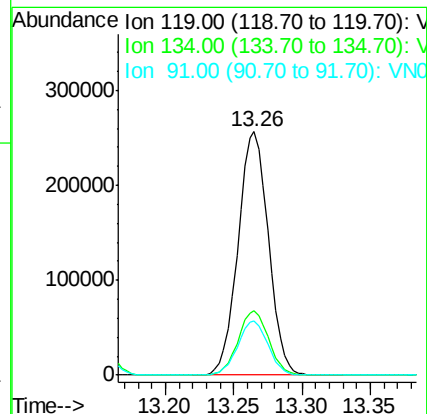
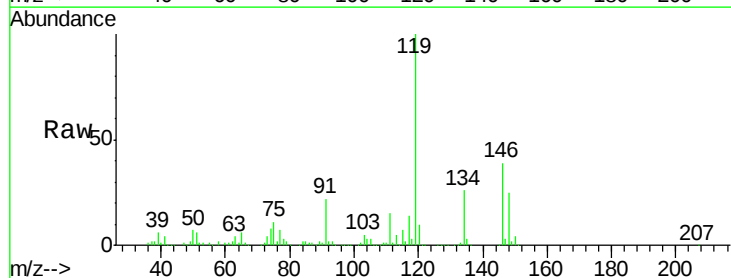
Tgt Ion:119 Resp: 394868

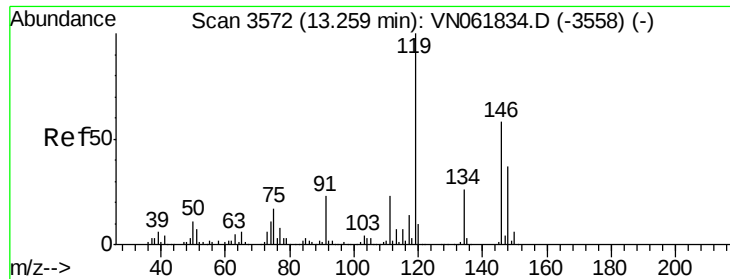
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.4 11.2 33.6





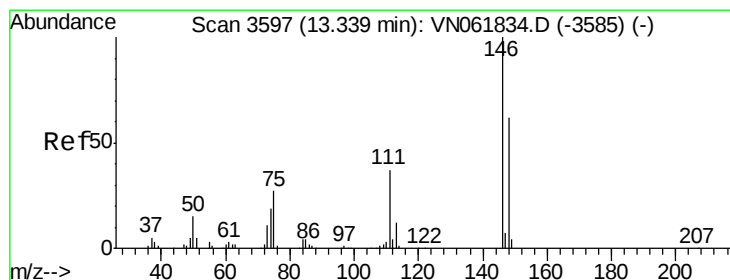
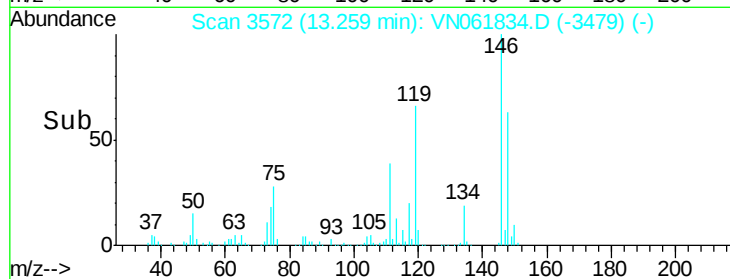
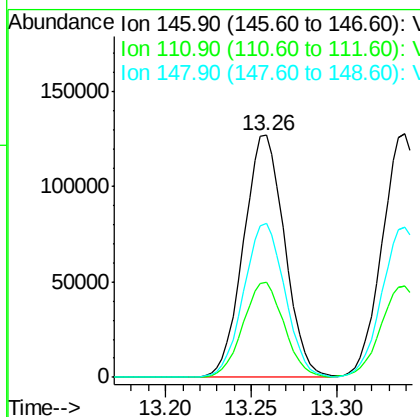
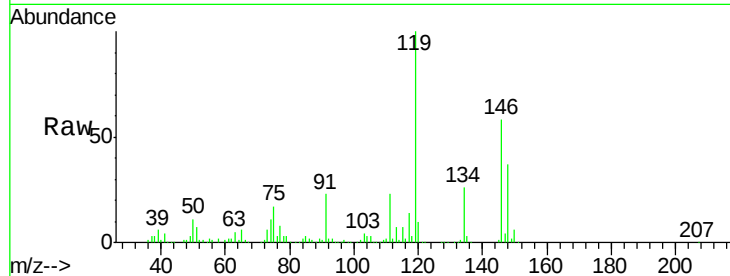
#87
 1,3-Dichlorobenzene
 Concen: 49.338 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.6	31.8	95.4

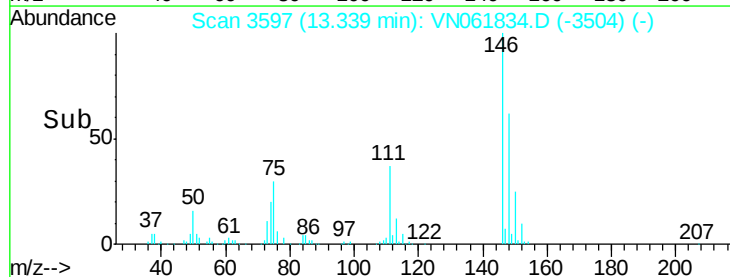
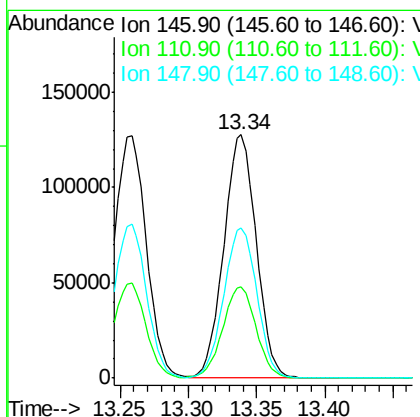
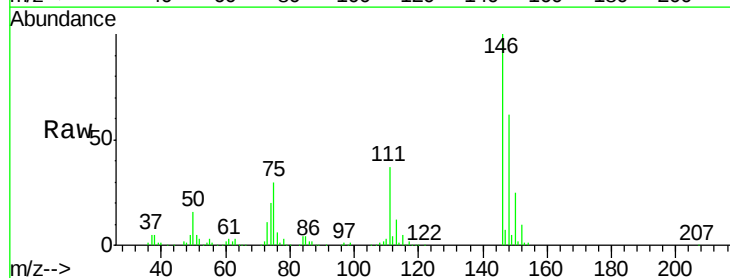
Manual Integrations
 APPROVED

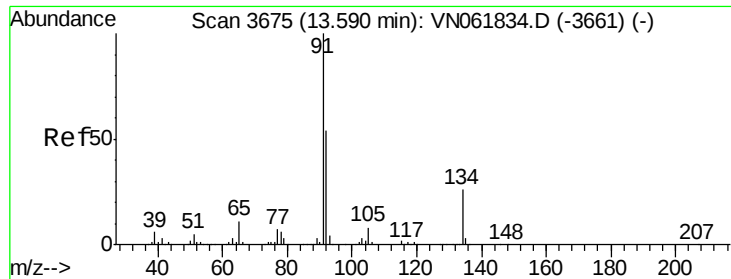
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#88
 1,4-Dichlorobenzene
 Concen: 48.598 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	63.1	31.6	94.7





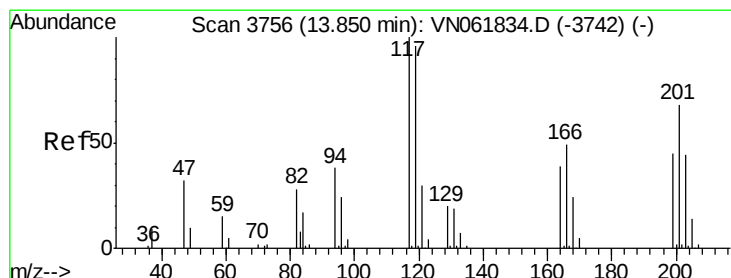
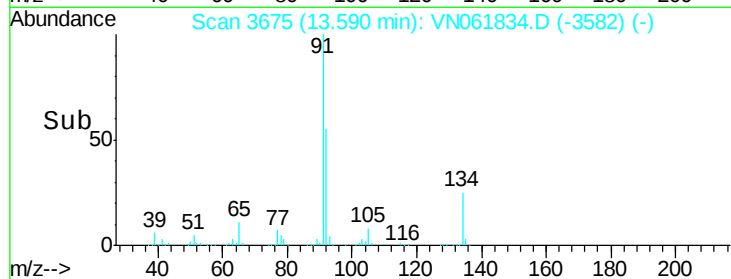
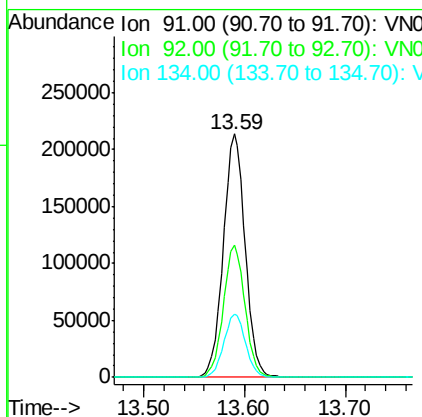
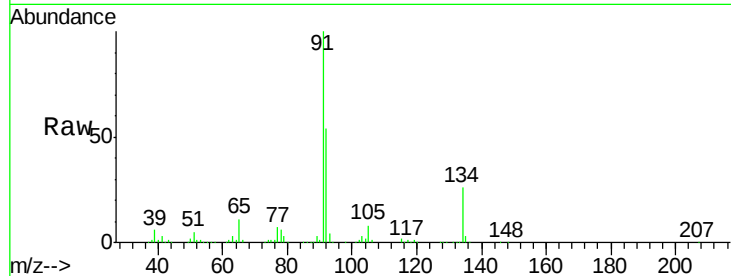
#89
n-Butylbenzene
Concen: 47.099 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	26.0	13.0	39.0

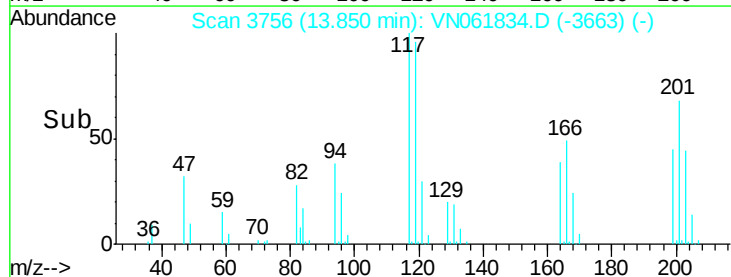
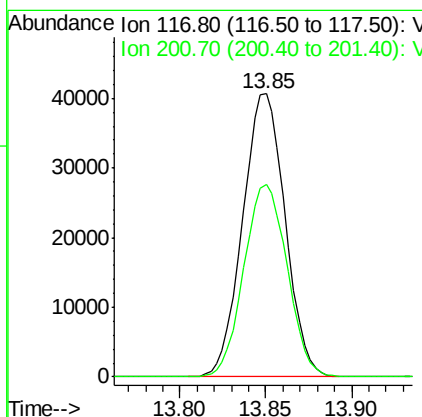
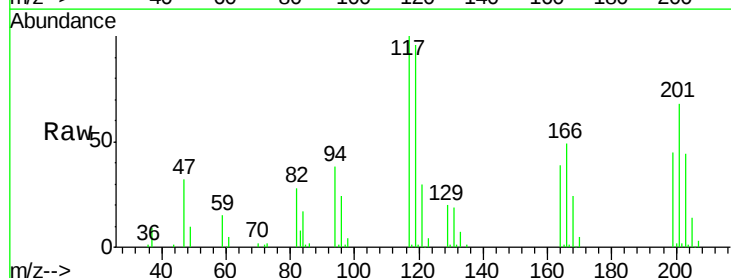
Manual Integrations
APPROVED

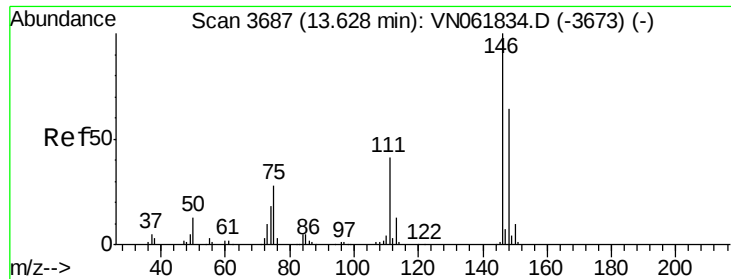
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#90
Hexachloroethane
Concen: 69.663 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.6	103.8





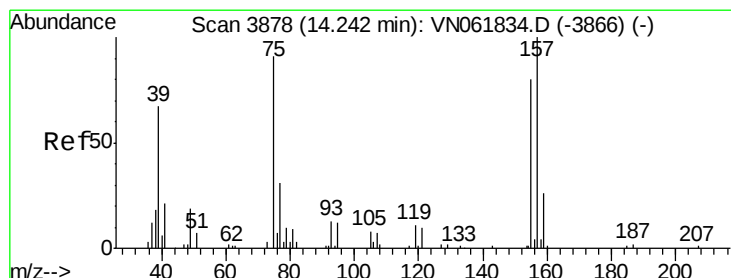
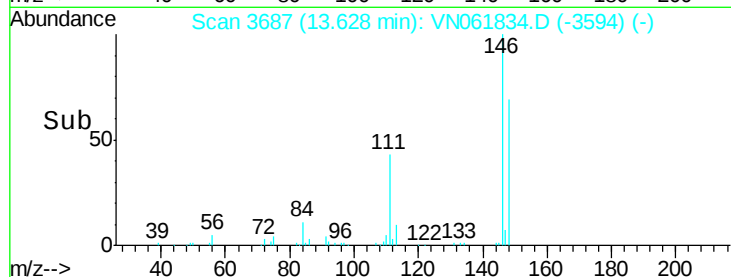
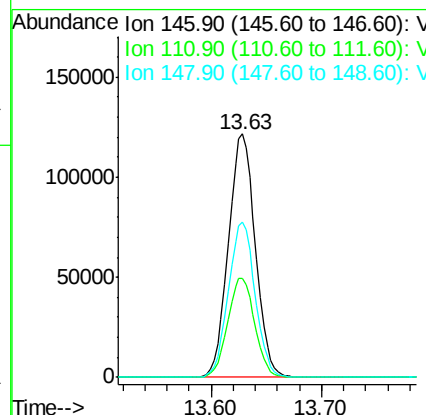
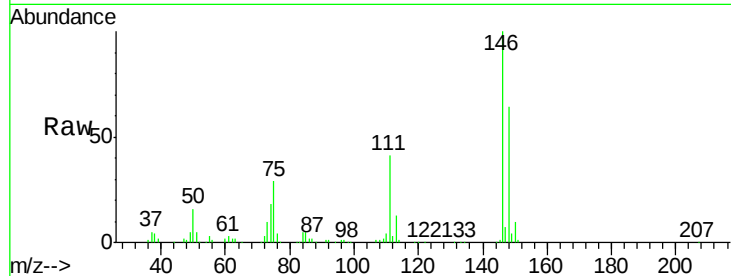
#91
 1,2-Dichlorobenzene
 Concen: 50.350 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	63.6	31.8	95.4

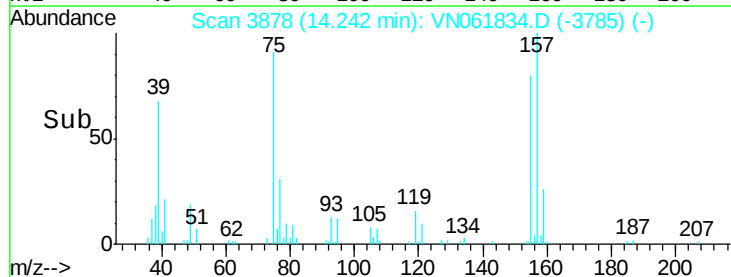
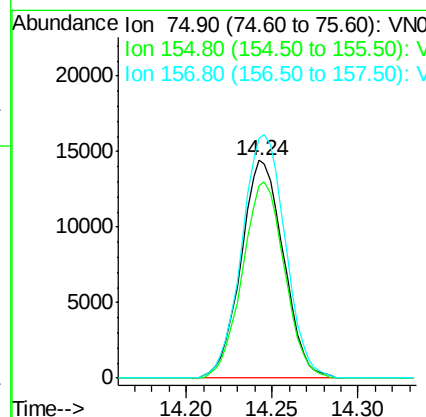
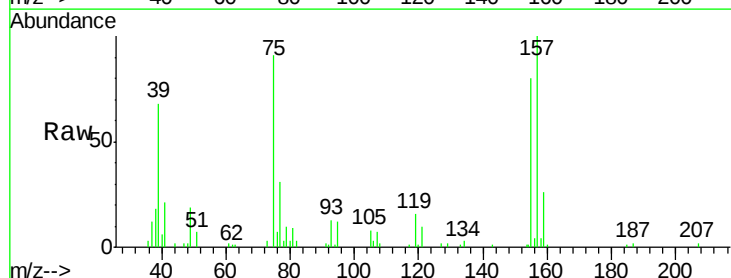
Manual Integrations
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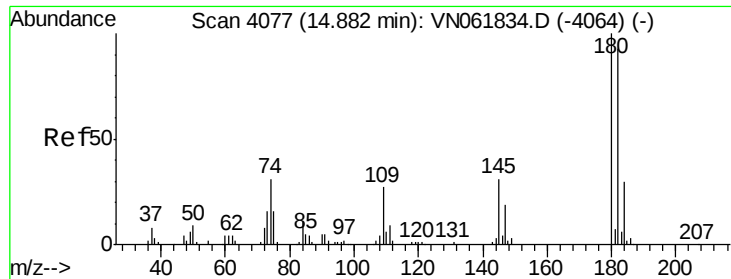
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.210 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	44.4	133.2
157	114.1	57.0	171.2





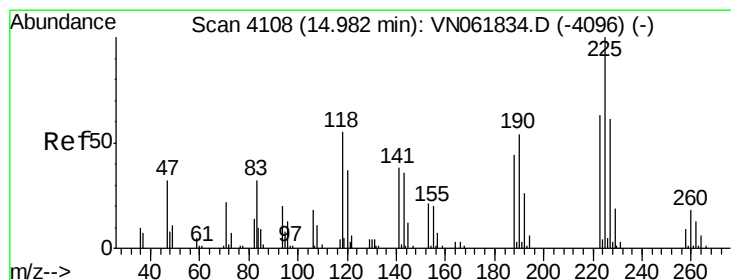
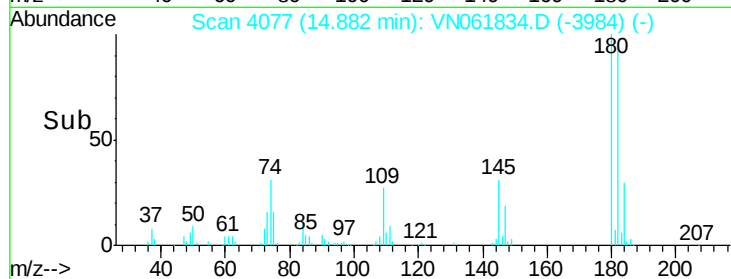
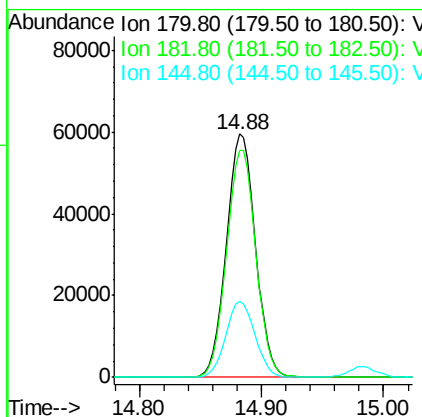
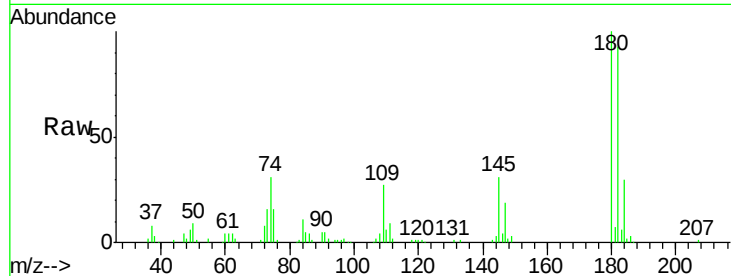
#93
 1,2,4-Trichlorobenzene
 Concen: 42.982 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.2
145	31.5	15.8	47.3

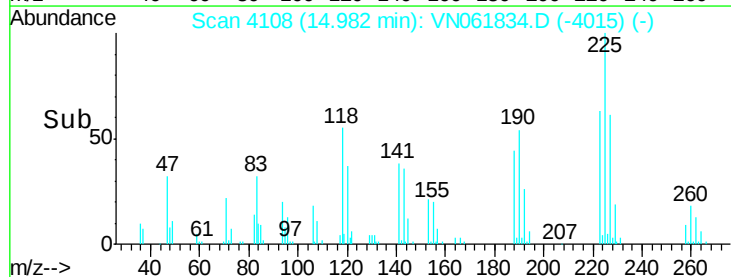
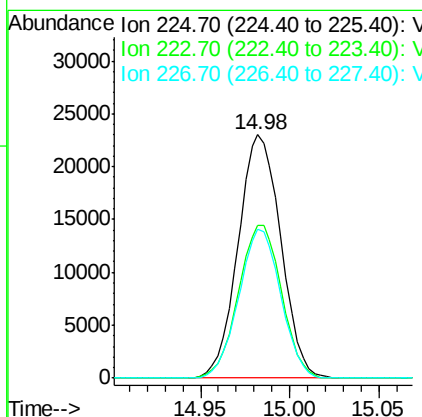
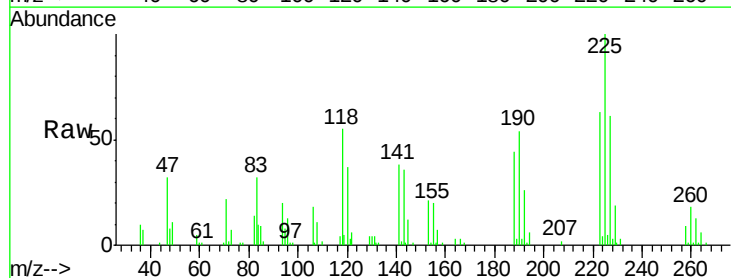
Manual Integrations
 APPROVED

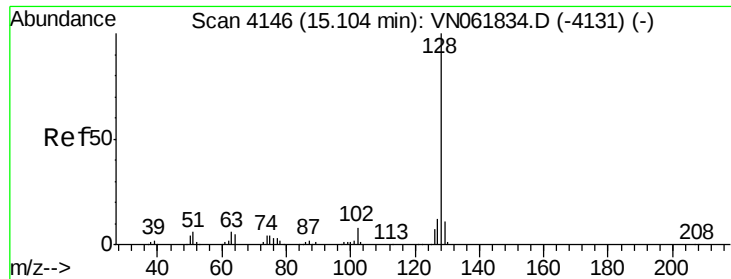
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#94
 Hexachlorobutadiene
 Concen: 38.906 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061834.D
 Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	60.2	30.1	90.3





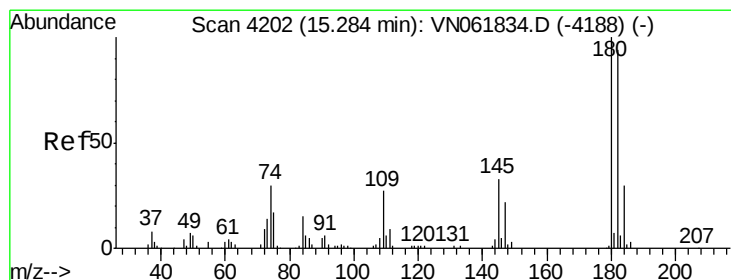
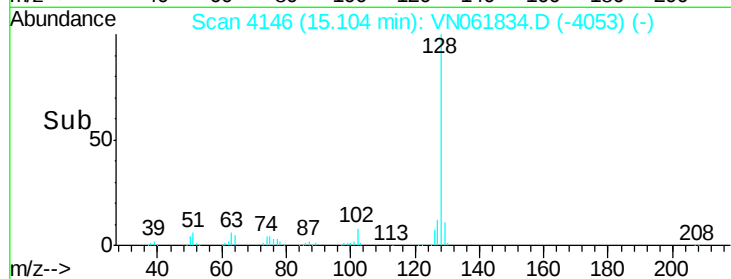
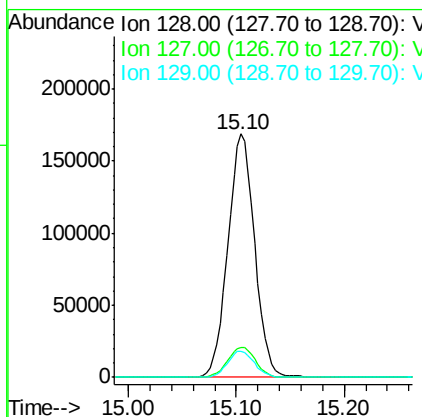
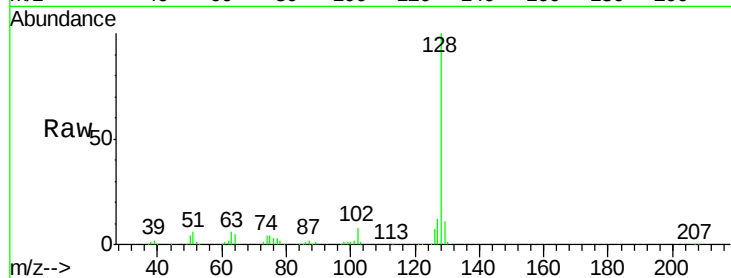
#95
Naphthalene
Concen: 41.998 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 43.379 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061834.D
Acq: 16 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	33.0	16.5	49.5

