

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061888.D
 Acq On : 18 Jun 2020 7:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:13 AM

Quant Time: Jun 18 08:15:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	163933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	285333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	264781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98347	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
35) Dibromofluoromethane	7.55	113	84850	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.06	98	325109	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
62) 4-Bromofluorobenzene	12.37	95	110370	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	100829	47.286	ug/l	99
3) Chloromethane	2.03	50	106682	46.883	ug/l	99
4) Vinyl Chloride	2.16	62	133748	49.305	ug/l	98
5) Bromomethane	2.52	94	95115	45.660	ug/l	97
6) Chloroethane	2.66	64	88659	48.292	ug/l	99
7) Trichlorofluoromethane	2.98	101	173342	53.497	ug/l	98
8) Diethyl Ether	3.37	74	54301	49.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77220	46.453	ug/l	99
10) Methyl Iodide	3.91	142	103194	51.284	ug/l	99
11) Tert butyl alcohol	4.73	59	71967	236.547	ug/l	97
12) 1,1-Dichloroethene	3.69	96	80271	48.192	ug/l	99
13) Acrolein	3.56	56	40534	222.915	ug/l	98
14) Allyl chloride	4.27	41	103022	46.603	ug/l	99
15) Acrylonitrile	4.93	53	188507	250.057	ug/l	99
16) Acetone	3.77	43	150425	231.629	ug/l	99
17) Carbon Disulfide	4.01	76	229033	46.994	ug/l	100
18) Methyl Acetate	4.27	43	88995	47.599	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	271822	49.014	ug/l	100
20) Methylene Chloride	4.50	84	95465	45.120	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	90528	47.318	ug/l	94
22) Diisopropyl ether	5.91	45	236775	46.832	ug/l	99
23) Vinyl Acetate	5.84	43	962265	241.989	ug/l	99
24) 1,1-Dichloroethane	5.80	63	155776	47.067	ug/l	98
25) 2-Butanone	6.79	43	228332	240.982	ug/l	97
26) 2,2-Dichloropropane	6.78	77	92441	33.198	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	103295	46.792	ug/l	96
28) Bromochloromethane	7.15	49	68235	46.304	ug/l	99
29) Tetrahydrofuran	7.17	42	151783	243.413	ug/l	99
30) Chloroform	7.33	83	164607	46.536	ug/l	99
31) Cyclohexane	7.61	56	127001	43.834	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	139531	46.319	ug/l	100
36) 1,1-Dichloropropene	7.75	75	120919	46.462	ug/l	100
37) Ethyl Acetate	6.88	43	97661	48.054	ug/l	99
38) Carbon Tetrachloride	7.73	117	121748	47.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	129600	46.246	ug/l	98
40) Benzene	8.00	78	373564	47.384	ug/l	97
41) Methacrylonitrile	7.13	41	37945m	43.662	ug/l	
42) 1,2-Dichloroethane	8.09	62	124322	46.249	ug/l	99
43) Isopropyl Acetate	8.13	43	166575	48.635	ug/l #	90
44) Trichloroethene	8.80	130	98949	47.691	ug/l	96
45) 1,2-Dichloropropane	9.09	63	90337	46.627	ug/l	99
46) Dibromomethane	9.18	93	64350	47.166	ug/l	99
47) Bromodichloromethane	9.37	83	132803	47.537	ug/l	99
48) Methyl methacrylate	9.17	41	74802	48.026	ug/l	100
49) 1,4-Dioxane	9.17	88	36391	1017.657	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	497526	245.821	ug/l	99
52) Toluene	10.12	92	241599	48.796	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	136480	46.020	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	148355	46.056	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	94924	48.728	ug/l	97
56) Ethyl methacrylate	10.40	69	131561	44.549	ug/l	100
57) 1,3-Dichloropropane	10.68	76	158326	47.974	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	248492	241.697	ug/l	100
59) 2-Hexanone	10.72	43	364400	226.684	ug/l	100
60) Dibromochloromethane	10.87	129	104896	48.256	ug/l	99
61) 1,2-Dibromoethane	10.98	107	97027	47.699	ug/l	98
64) Tetrachloroethene	10.60	164	80931	47.956	ug/l	98
65) Chlorobenzene	11.41	112	255754	45.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	95654	49.089	ug/l	99
67) Ethyl Benzene	11.48	91	449791	48.016	ug/l	99
68) m/p-Xylenes	11.59	106	354861	98.241	ug/l	99
69) o-Xylene	11.92	106	169757	49.255	ug/l	100
70) Styrene	11.94	104	288242	49.948	ug/l	99
71) Bromoform	12.10	173	70752	49.797	ug/l #	99
73) Isopropylbenzene	12.22	105	439915	48.272	ug/l	99
74) N-amyl acetate	12.05	43	148153	45.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	136912	46.208	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	111884m	44.438	ug/l	
77) Bromobenzene	12.50	156	108719	47.287	ug/l	98
78) n-propylbenzene	12.57	91	493314	47.440	ug/l	100
79) 2-Chlorotoluene	12.65	91	294260	47.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	365342	48.456	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	39719	43.026	ug/l	99
82) 4-Chlorotoluene	12.75	91	302609	46.892	ug/l	100
83) tert-Butylbenzene	12.97	119	314098	49.141	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	370423	49.771	ug/l	100
85) sec-Butylbenzene	13.15	105	407961	48.763	ug/l	99
86) p-Isopropyltoluene	13.26	119	366041	49.100	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	196989	46.977	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	195971	45.656	ug/l	99
89) n-Butylbenzene	13.59	91	293668	47.168	ug/l	99
90) Hexachloroethane	13.85	117	67048	49.132	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	195709	48.480	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24227	50.367	ug/l	99

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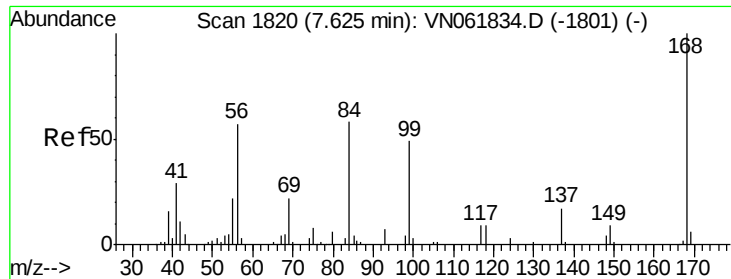
Manual Integrations
APPROVED

MMDadoda
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93) 1,2,4-Trichlorobenzene	14.88	180	91945	48.267	ug/l	99
94) Hexachlorobutadiene	14.98	225	36295	48.376	ug/l	99
95) Naphthalene	15.10	128	280367	44.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92942	49.265	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 163933

Ion Ratio Lower Upper

168 100

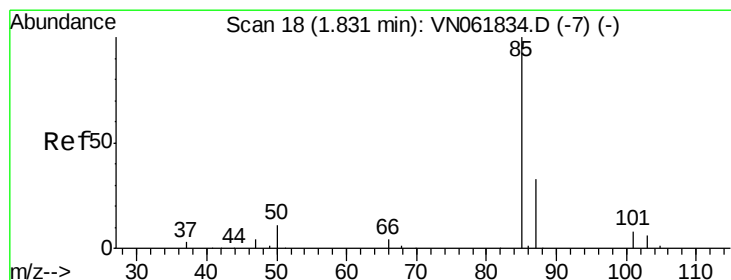
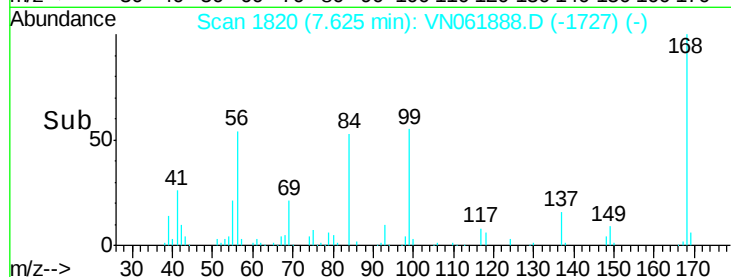
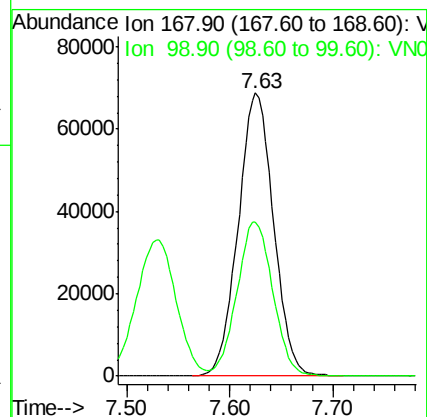
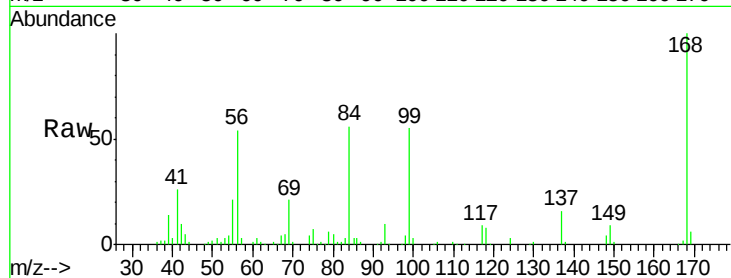
99 54.7 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.286 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061888.D

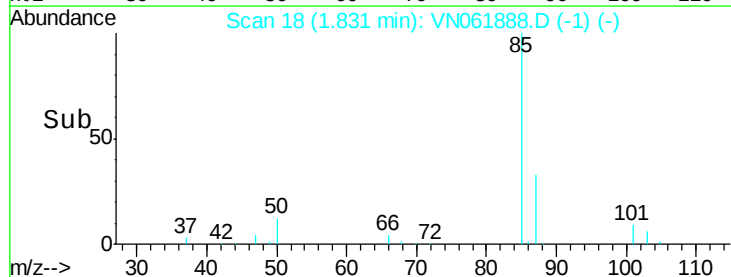
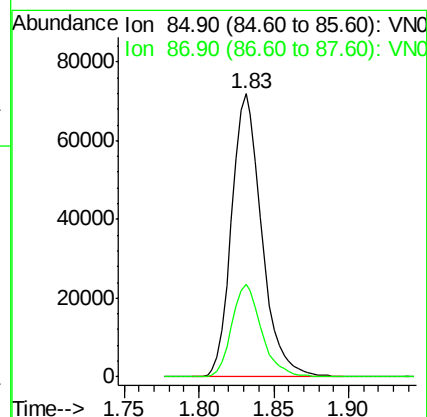
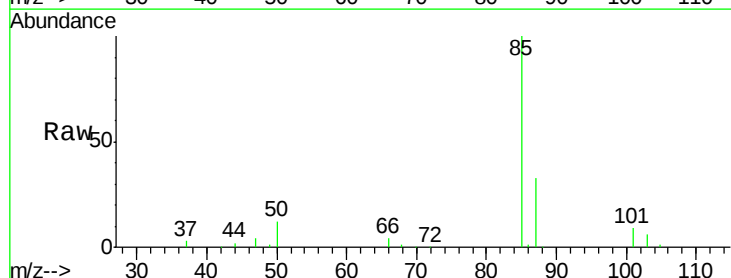
Acq: 18 Jun 2020 7:53

Tgt Ion: 85 Resp: 100829

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.8





#3

Chloromethane

Concen: 46.883 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106682

Ion Ratio Lower Upper

50 100

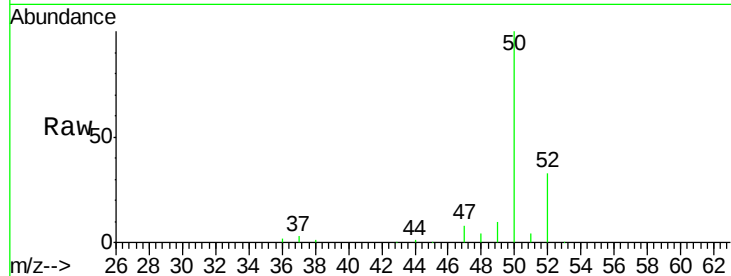
52 33.0 26.0 39.0

Manual Integrations

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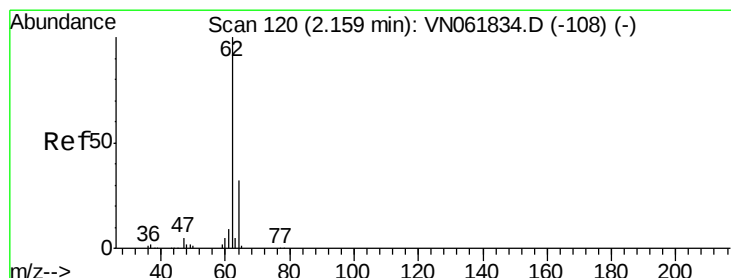
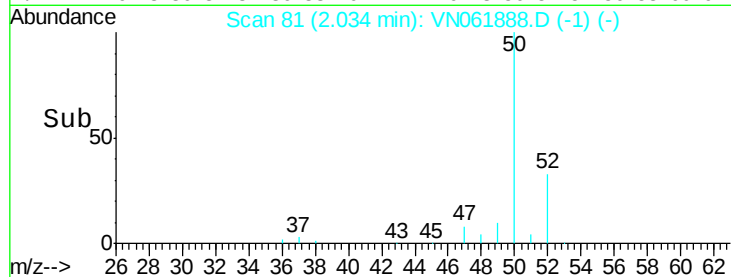
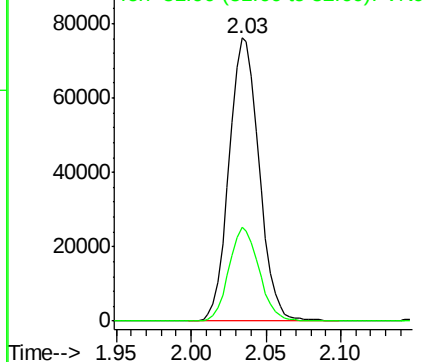
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.305 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061888.D

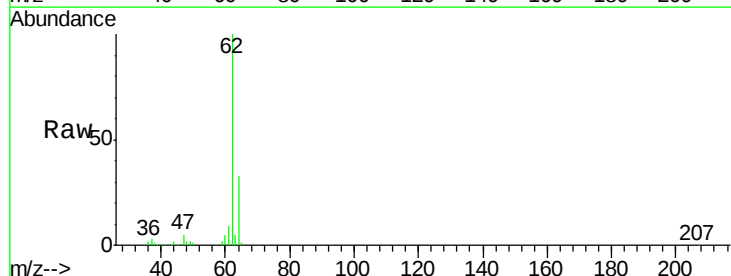
Acq: 18 Jun 2020 7:53

Tgt Ion: 62 Resp: 133748

Ion Ratio Lower Upper

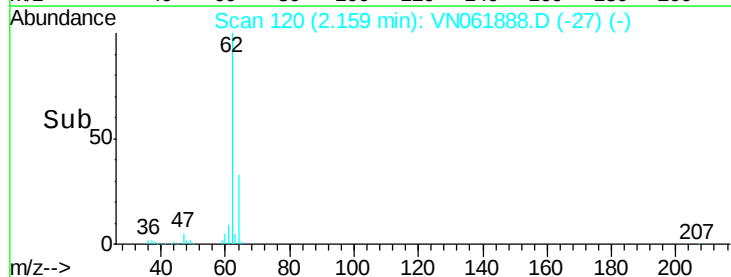
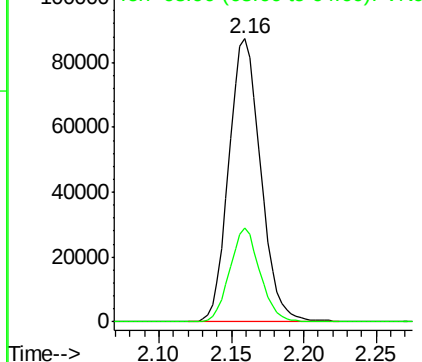
62 100

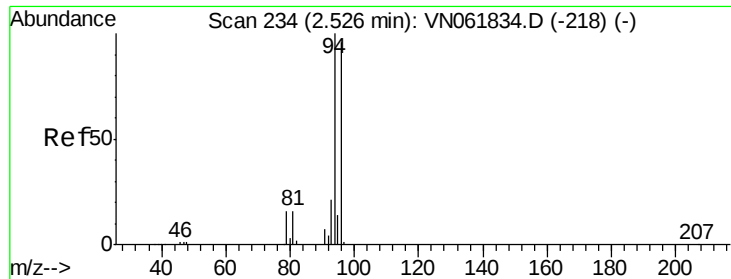
64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 45.660 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 95115

Ion Ratio Lower Upper

94 100

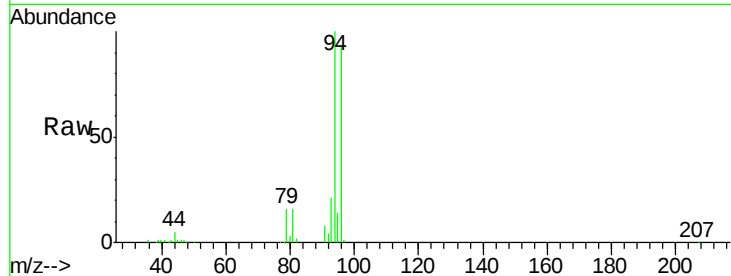
96 92.8 76.7 115.1

Manual Integrations

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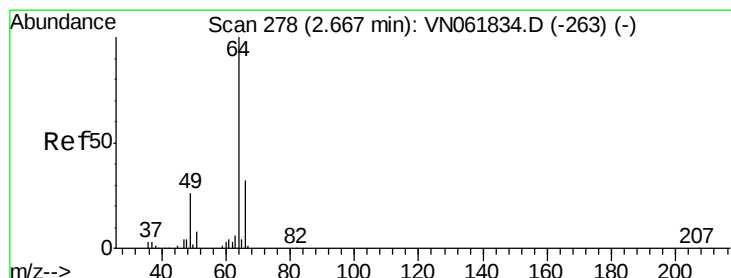
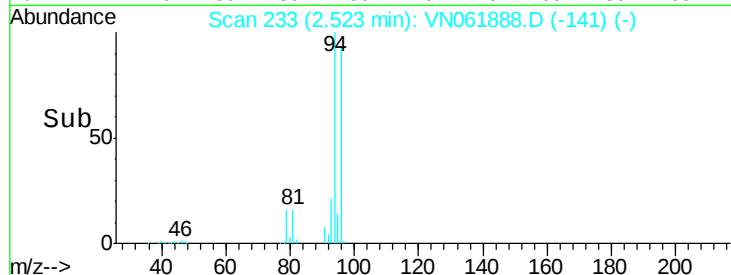
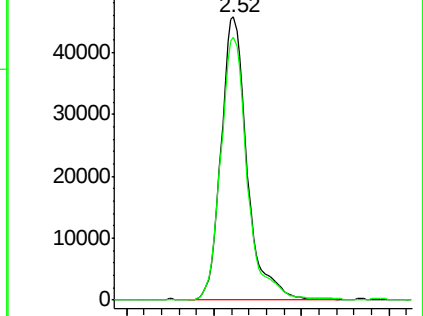
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.292 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061888.D

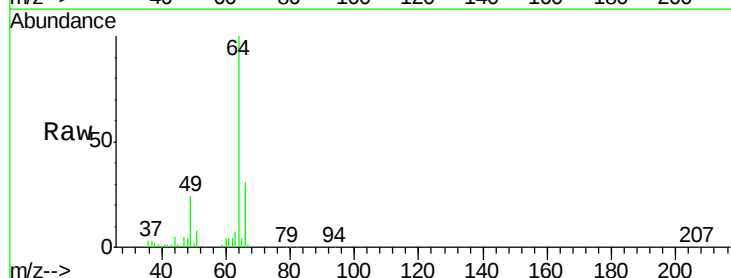
Acq: 18 Jun 2020 7:53

Tgt Ion: 64 Resp: 88659

Ion Ratio Lower Upper

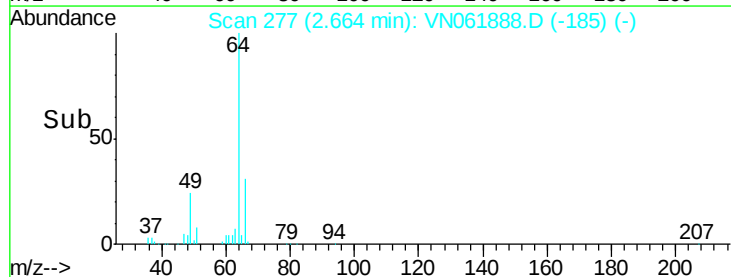
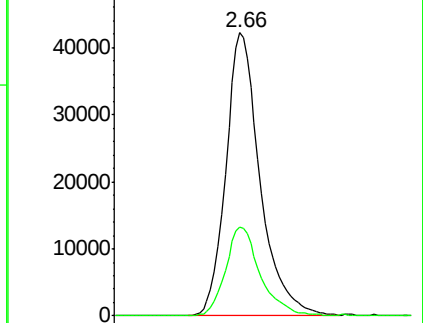
64 100

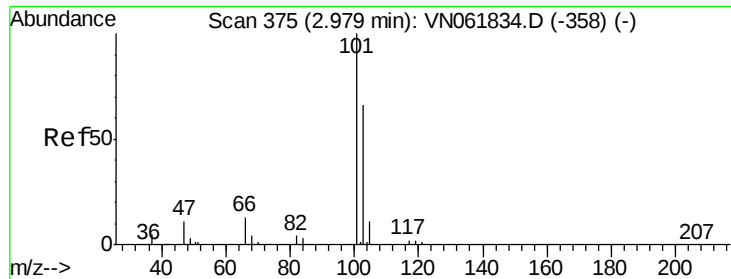
66 31.5 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

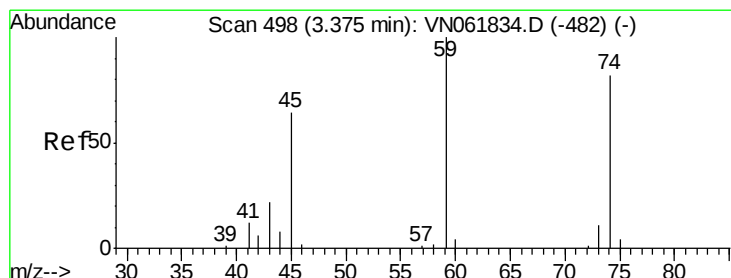
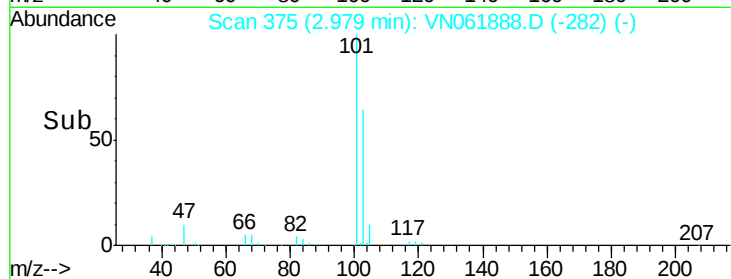
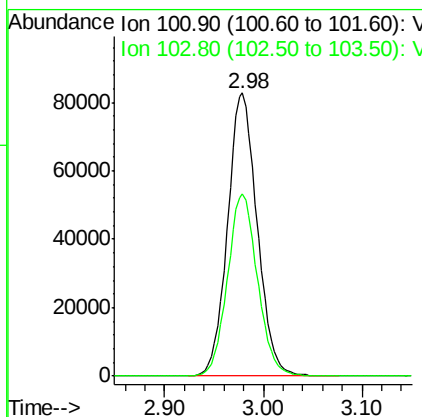
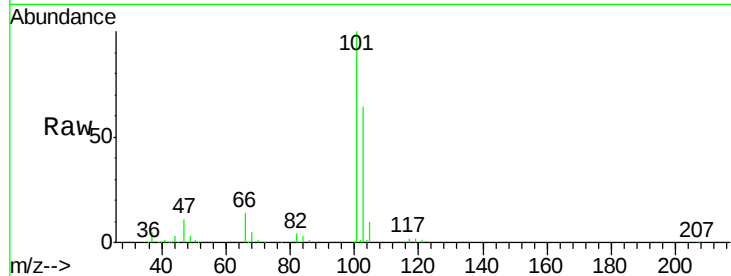
Trichlorofluoromethane
Concen: 53.497 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.8	79.2

Manual Integrations
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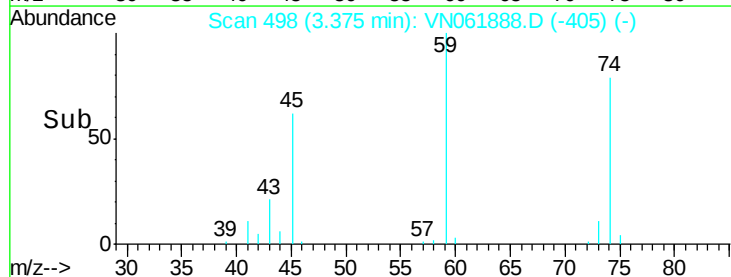
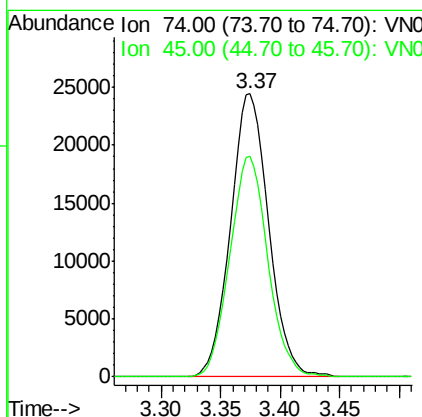
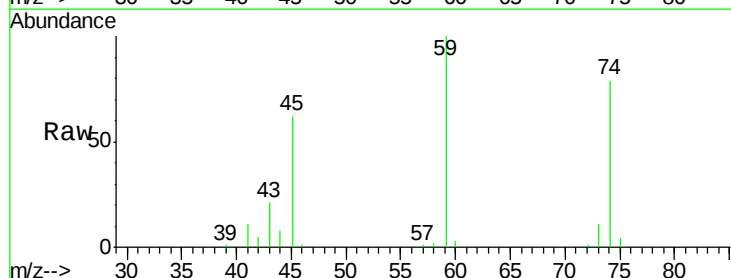
MMDadoda
6/18/2020 9:37:13 AM

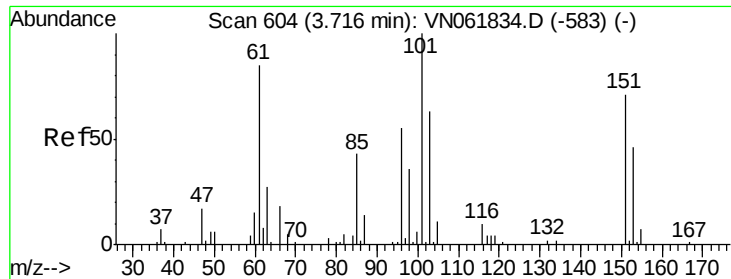


#8

Diethyl Ether
Concen: 49.849 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.8	39.1	117.3





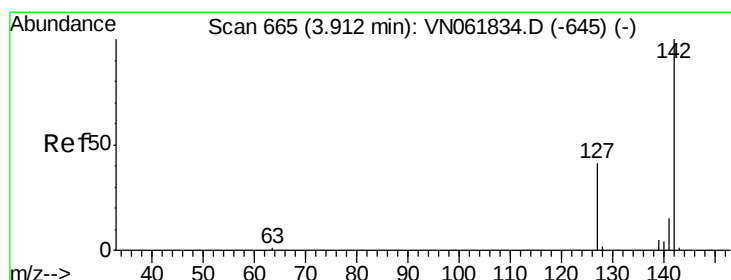
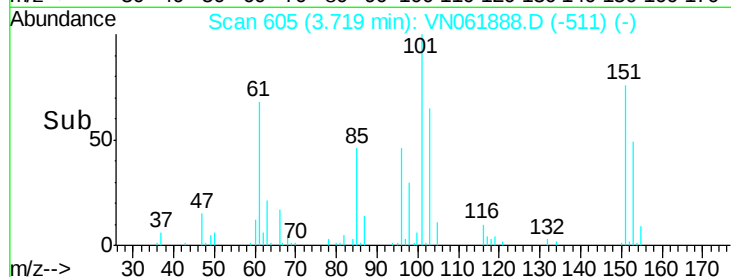
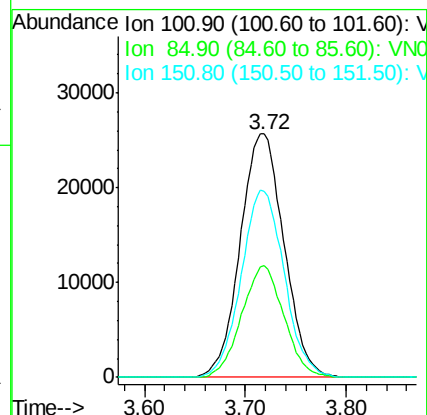
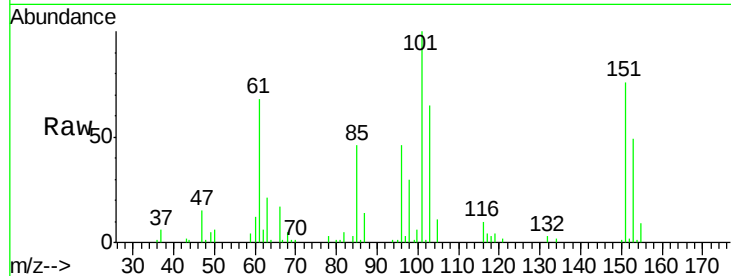
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.453 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.0	52.6
151	75.5	59.2	88.8

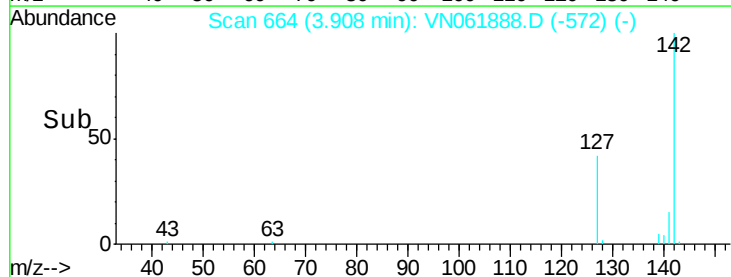
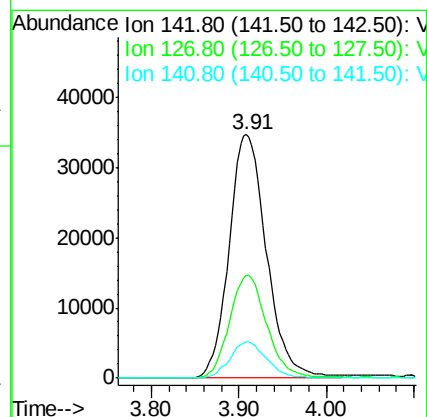
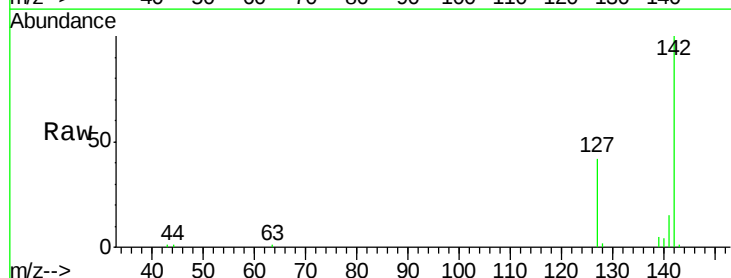
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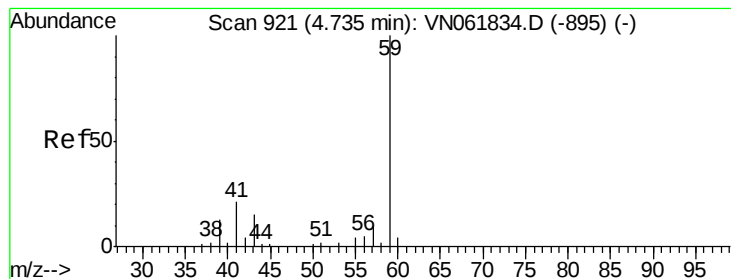
MMDadoda
6/18/2020 9:37:13 AM



#10
Methyl Iodide
Concen: 51.284 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	33.4	50.0
141	14.6	11.3	16.9





#11

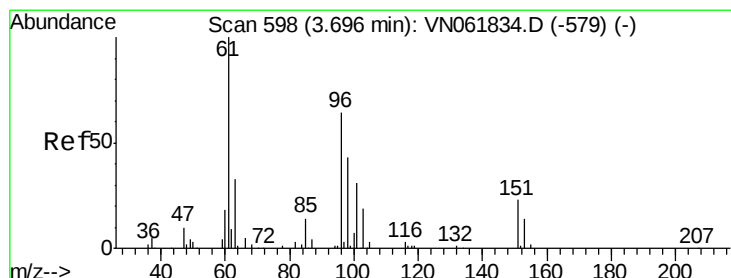
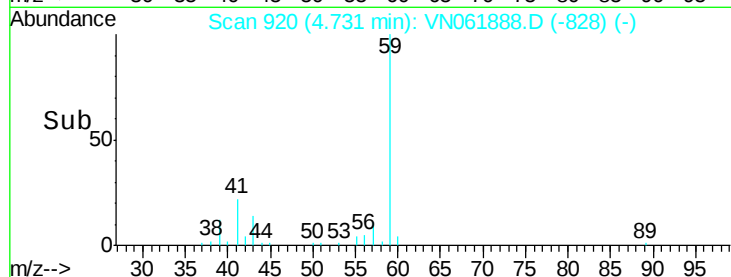
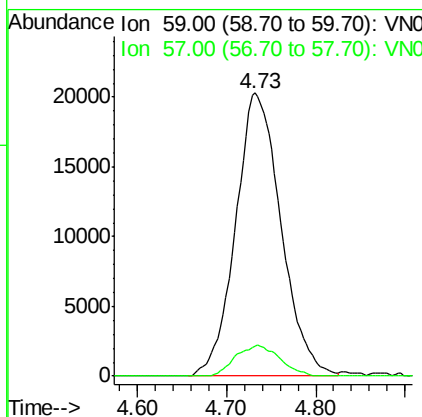
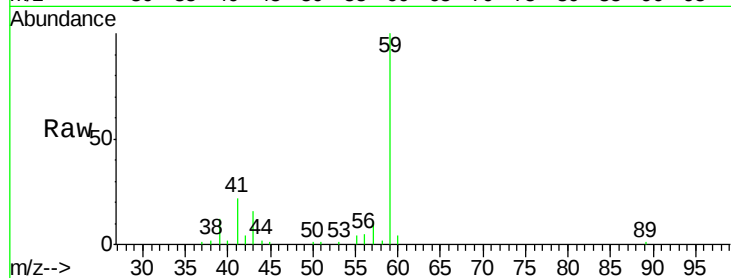
Tert butyl alcohol
Concen: 236.547 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.7	11.5

Manual Integrations
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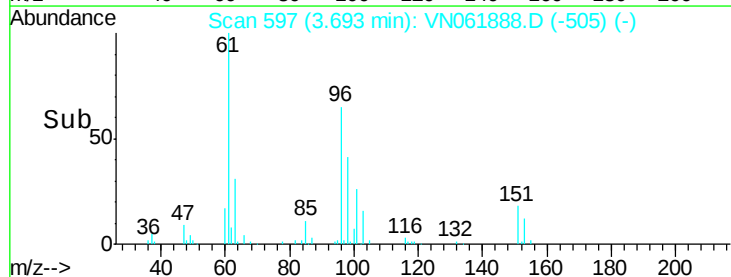
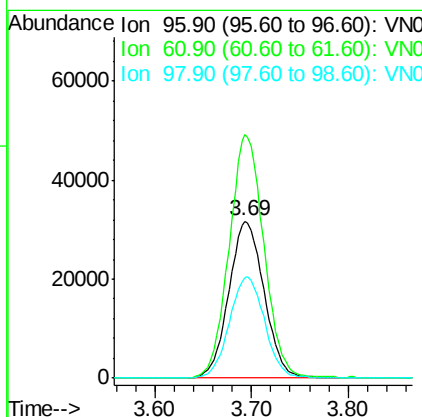
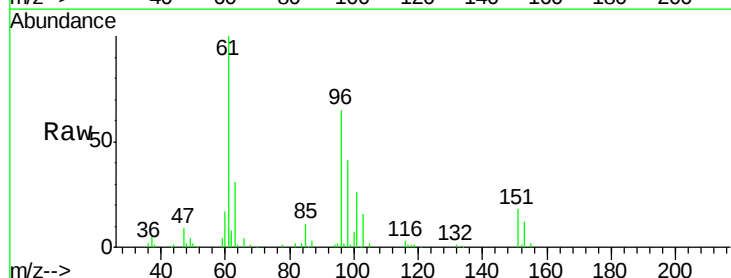
MMDadoda
6/18/2020 9:37:13 AM

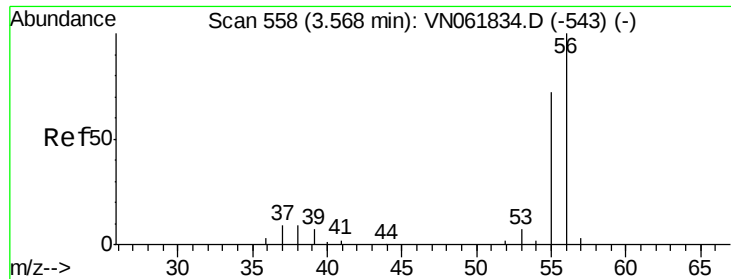


#12

1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	124.3	186.5
98	63.8	53.1	79.7





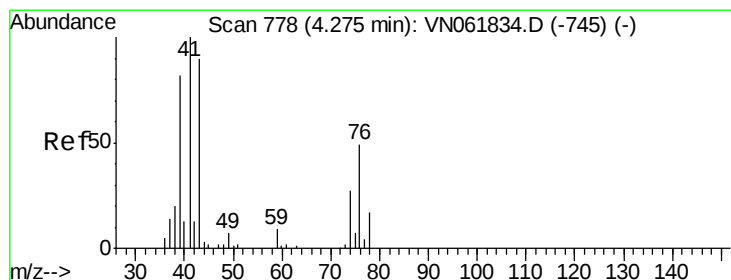
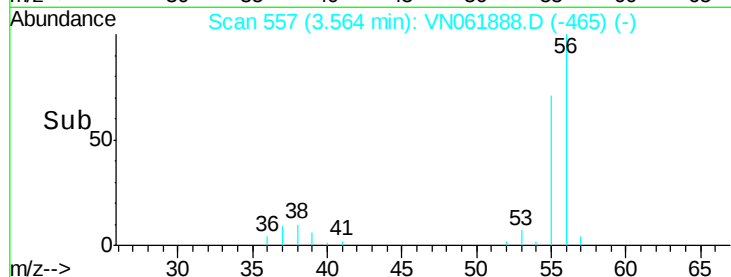
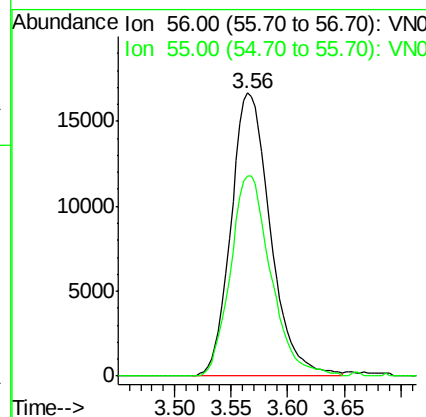
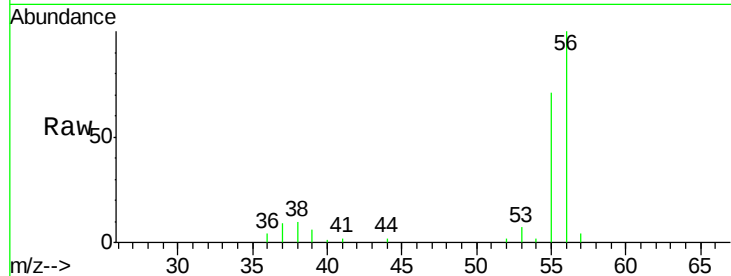
#13
 Acrolein
 Concen: 222.915 ug/l
 RT: 3.56 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	40534
Ion Ratio	100	Lower	Upper
56	100		
55	72.2	56.2	84.4

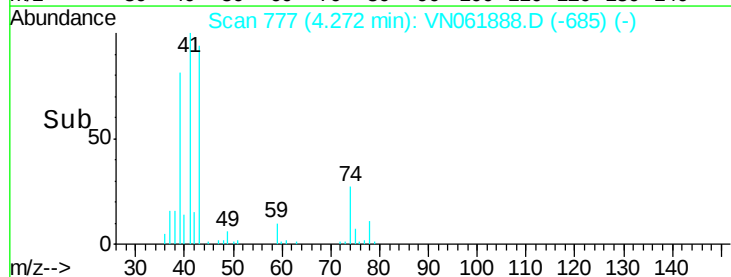
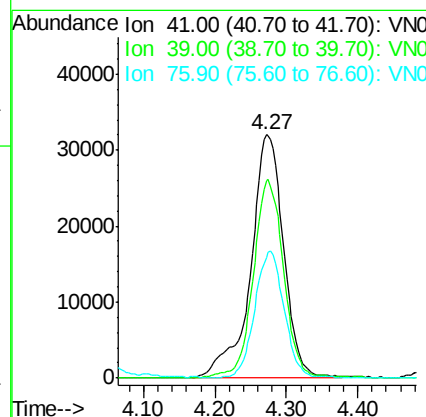
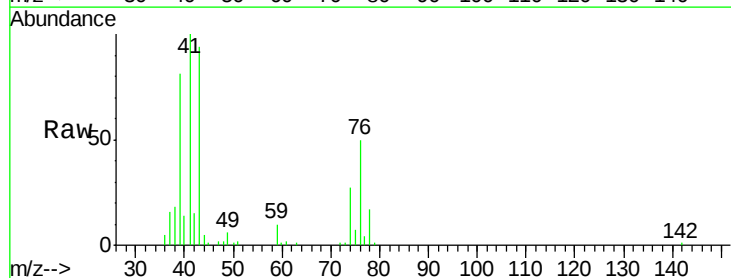
Manual Integrations
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#14
 Allyl chloride
 Concen: 46.603 ug/l
 RT: 4.27 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	41	Resp	103022
Ion Ratio	100	Lower	Upper
41	100		
39	75.0	60.2	90.2
76	46.2	36.3	54.5





#15

Acrylonitrile

Concen: 250.057 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

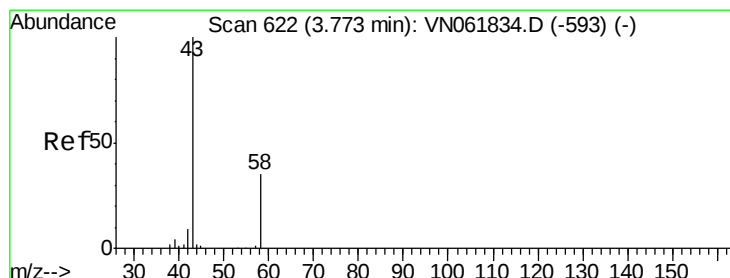
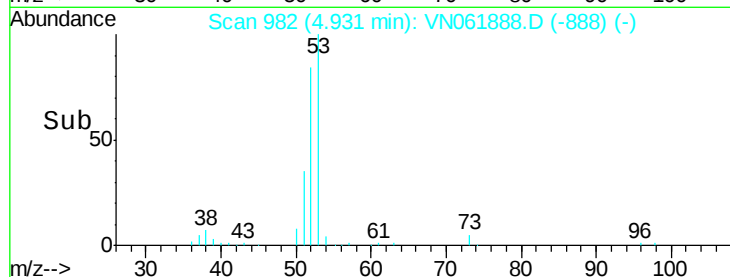
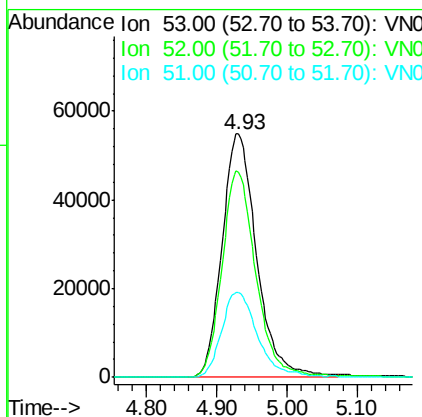
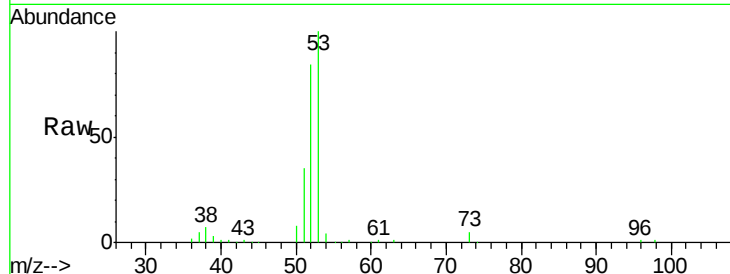
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	188507
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.2	97.8
51	36.3	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 231.629 ug/l

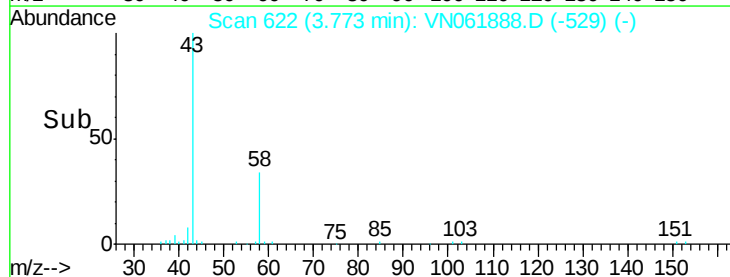
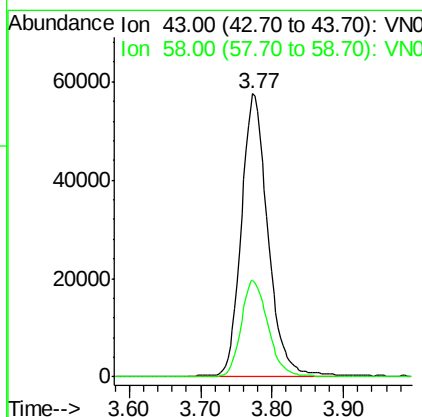
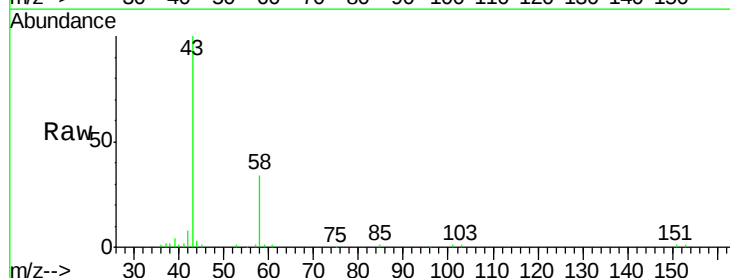
RT: 3.77 min Scan# 622

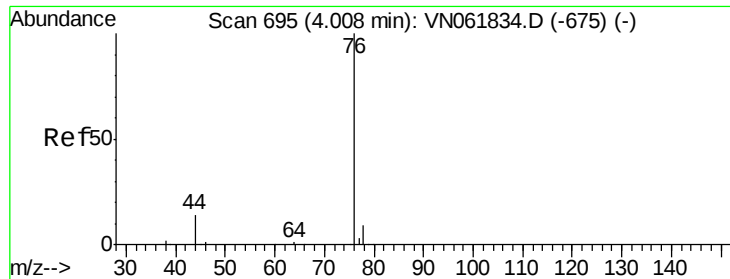
Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion:	43	Resp:	150425
Ion Ratio	Lower	Upper	
43	100		
58	34.3	27.8	41.8





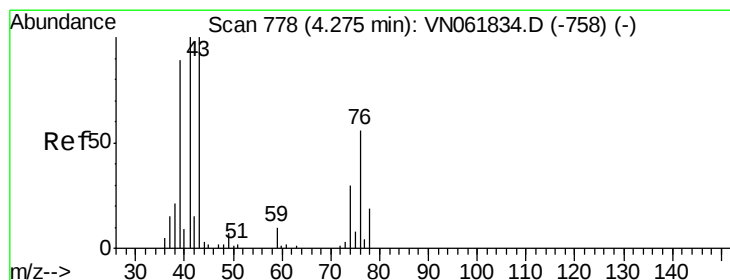
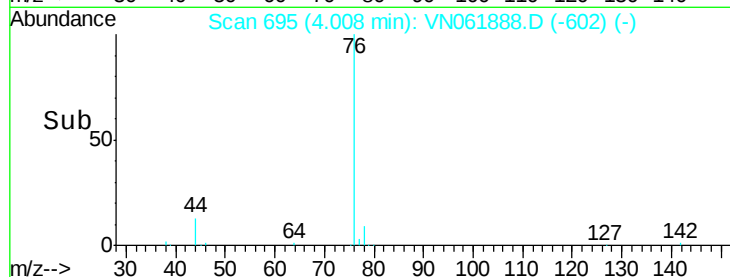
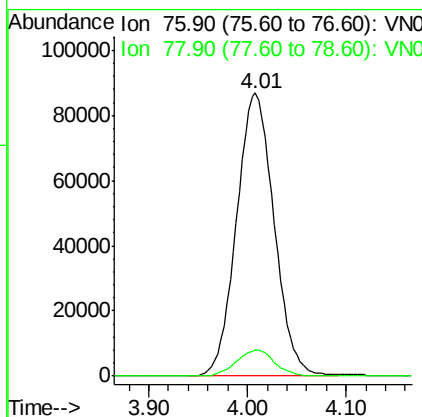
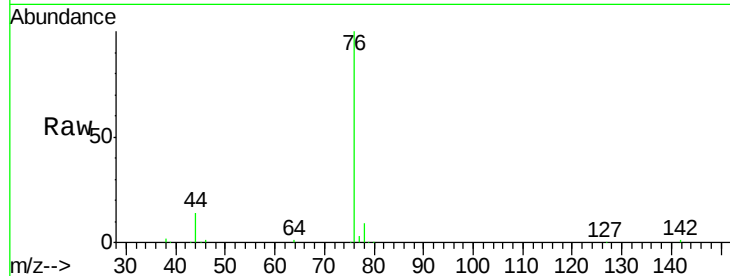
#17
Carbon Disulfide
Concen: 46.994 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

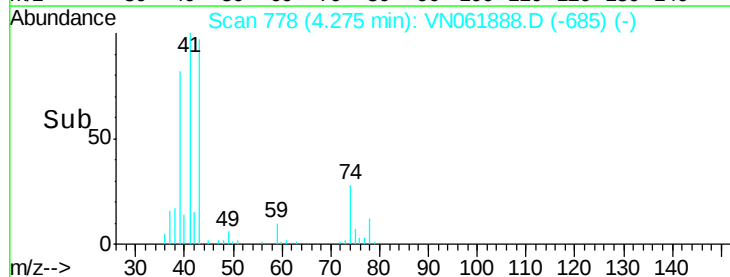
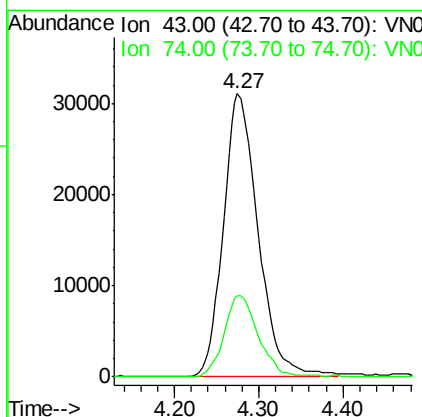
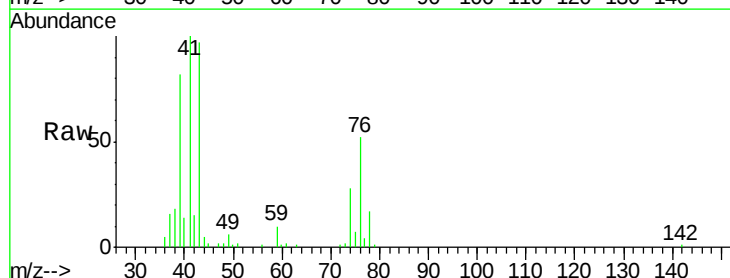
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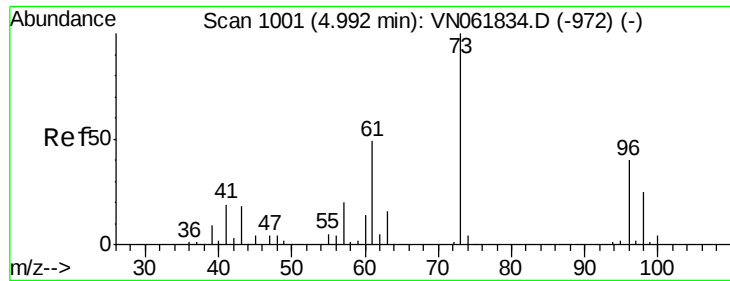
MMDadoda
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#18
Methyl Acetate
Concen: 47.599 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	23.0	34.4





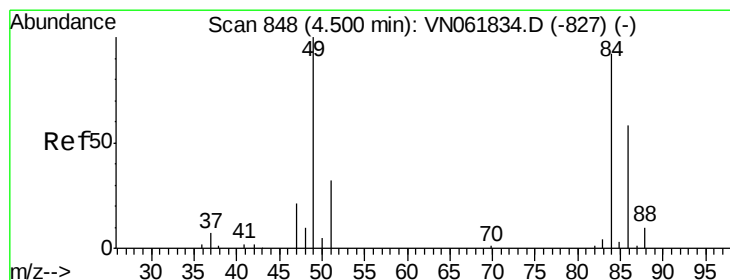
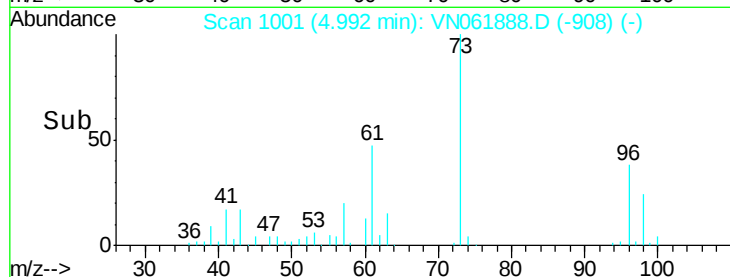
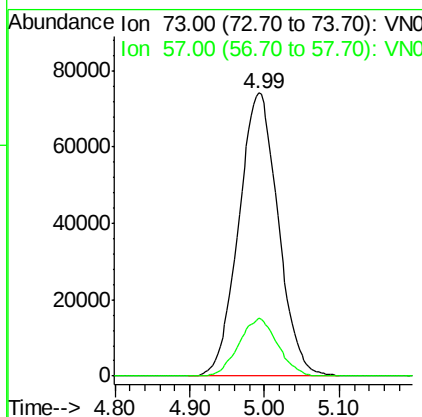
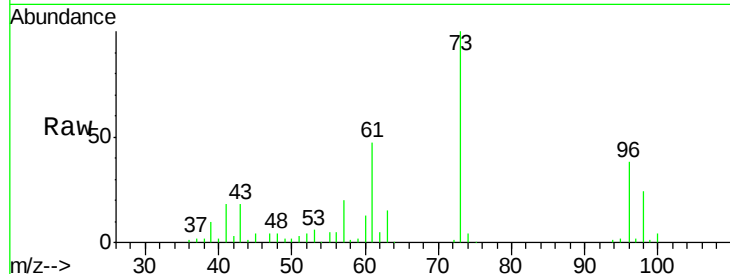
#19
Methvl tert-butvl Ether
Concen: 49.014 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 271822
Ion Ratio Lower Upper
73 100
57 20.4 16.2 24.4

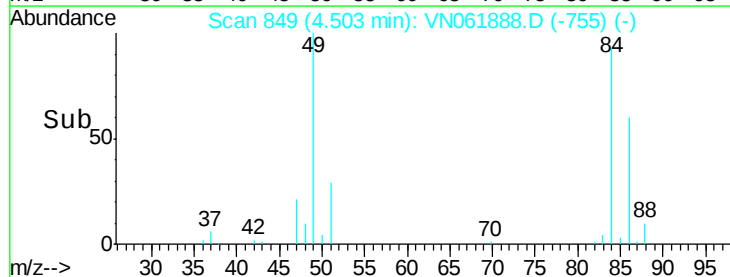
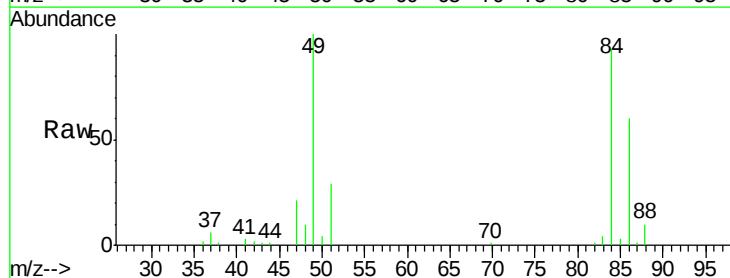
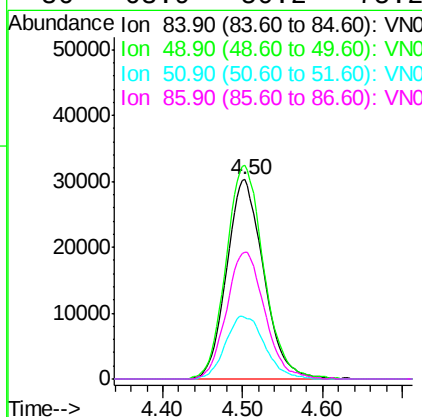
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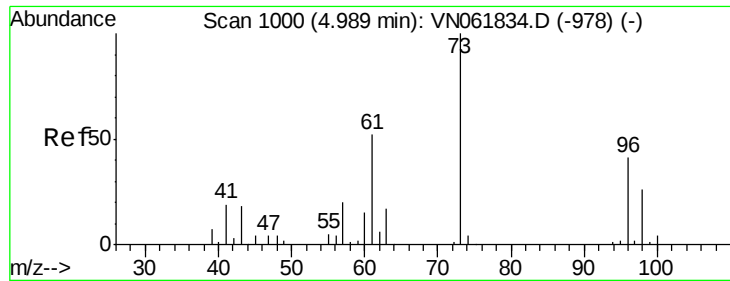
MMDadoda
6/18/2020 9:37:13 AM



#20
Methylene Chloride
Concen: 45.120 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion: 84 Resp: 95465
Ion Ratio Lower Upper
84 100
49 107.3 87.0 130.4
51 31.0 27.8 41.6
86 63.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.318 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90528

Ion Ratio Lower Upper

96 100

61 121.3 102.2 153.4

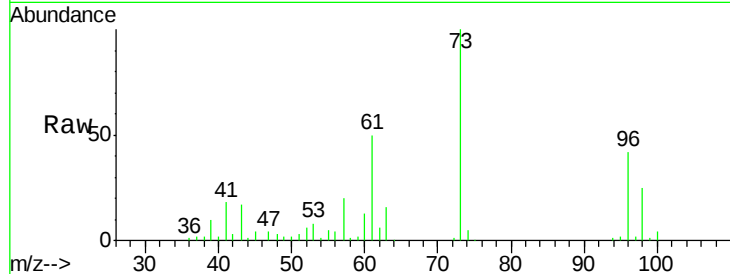
98 59.7 51.2 76.8

Manual Integrations

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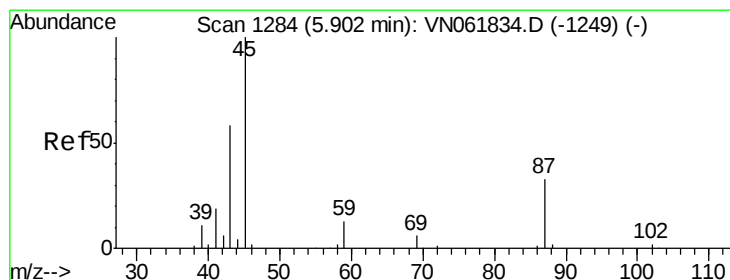
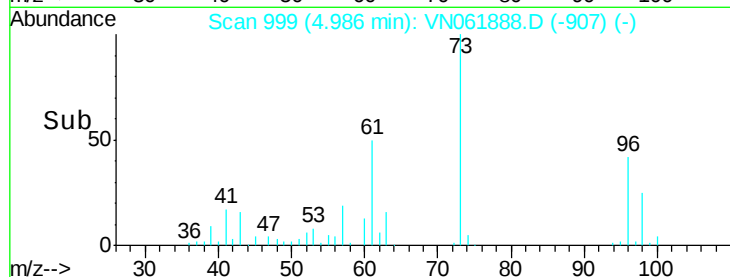
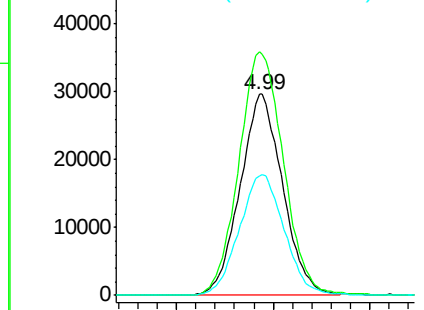
6/18/2020 9:37:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN061888.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061888.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061888.D (-907) (-)



#22

Diisopropyl ether

Concen: 46.832 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion: 45 Resp: 236775

Ion Ratio Lower Upper

45 100

43 61.2 49.4 74.2

87 35.8 27.4 41.0

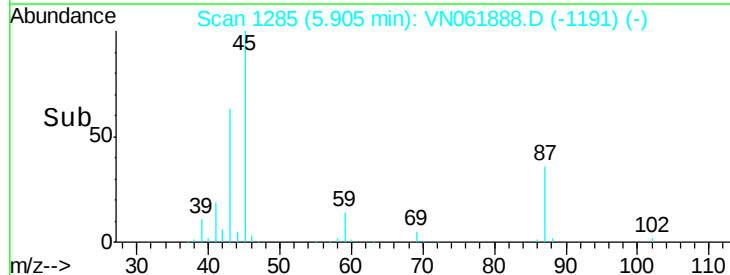
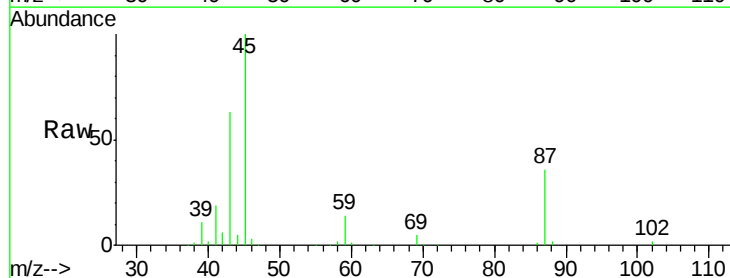
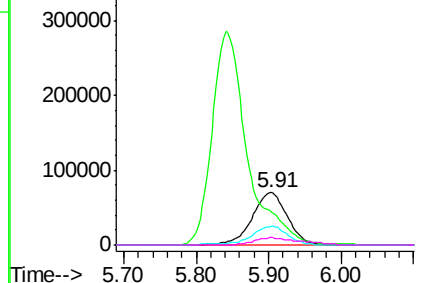
59 13.5 10.6 15.8

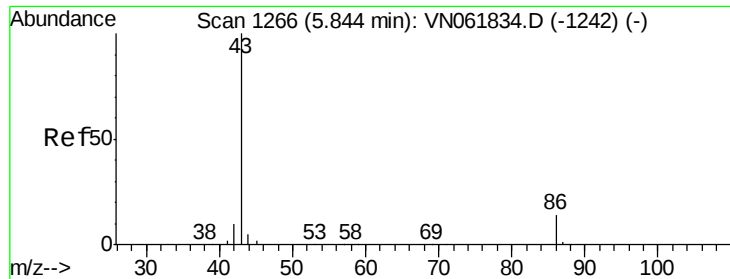
Abundance Ion 45.00 (44.70 to 45.70): VN061888.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061888.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061888.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061888.D (-1191) (-)





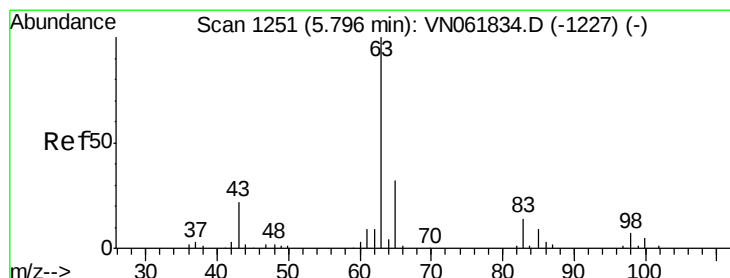
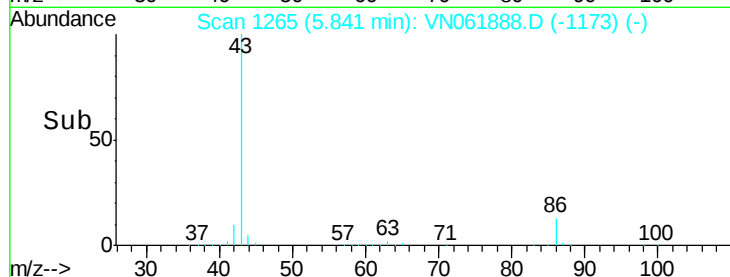
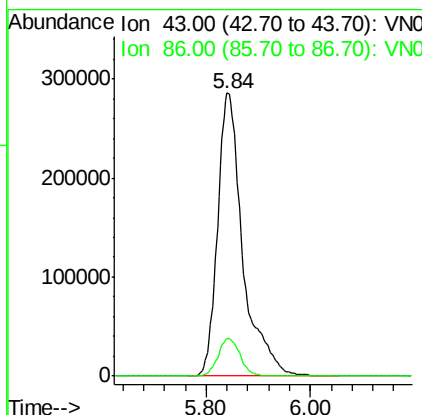
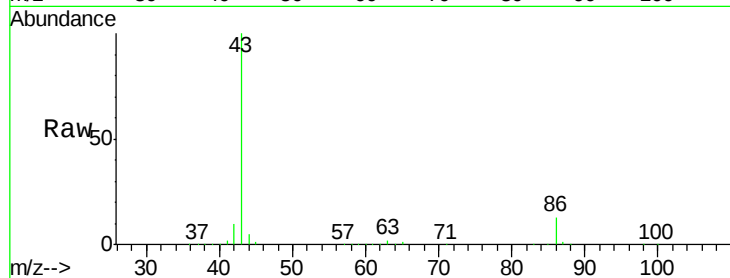
#23
 Vinyl Acetate
 Concen: 241.989 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.9	16.3

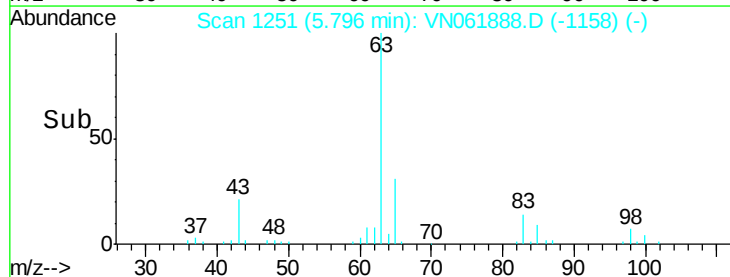
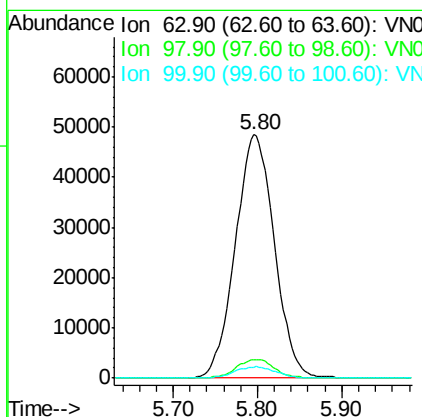
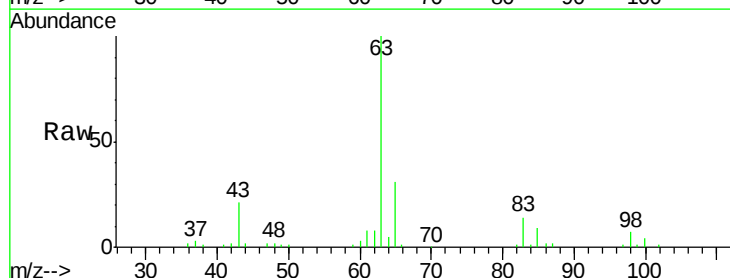
Manual Integrations
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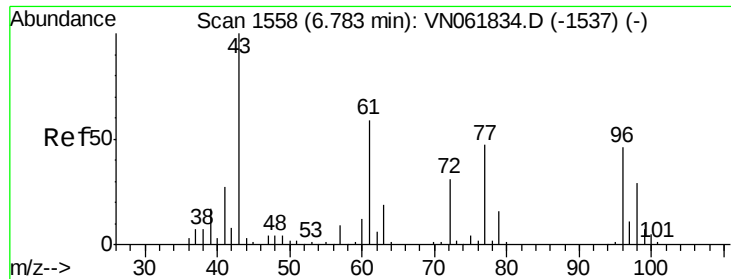
MMDadoda
 6/18/2020 9:37:13 AM



#24
 1,1-Dichloroethane
 Concen: 47.067 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	4.4	2.5	7.4





#25

2-Butanone

Concen: 240.982 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tot Ion: 43 Resp: 228332

Ion Ratio Lower Upper

43 100

72 32.4 24.6 37.0

Instrument :

MSVOA_N

ClientSampleId :

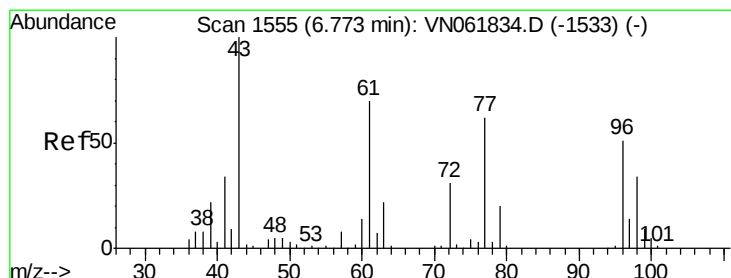
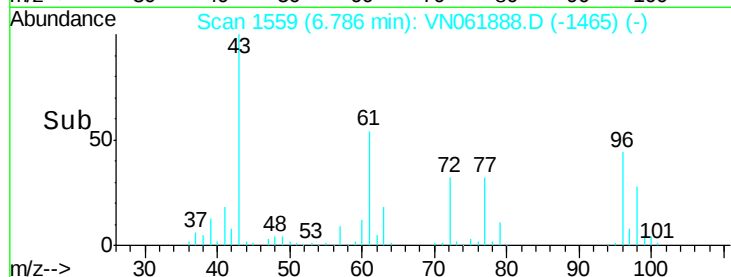
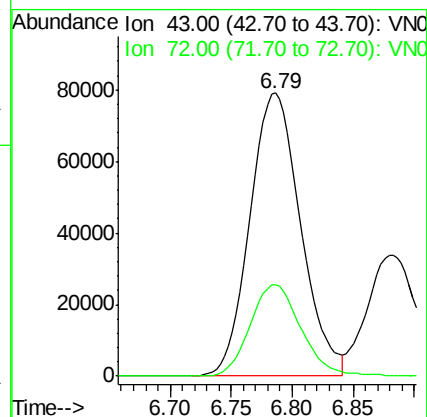
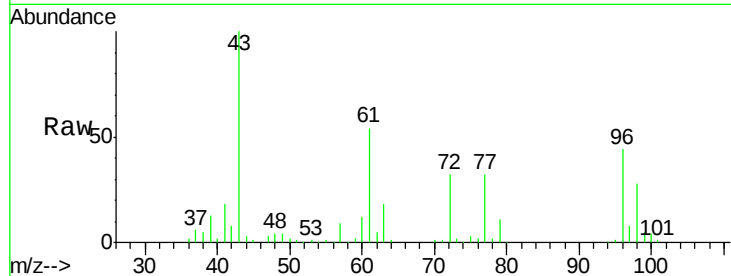
VSTDCCC050EC

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 33.198 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061888.D

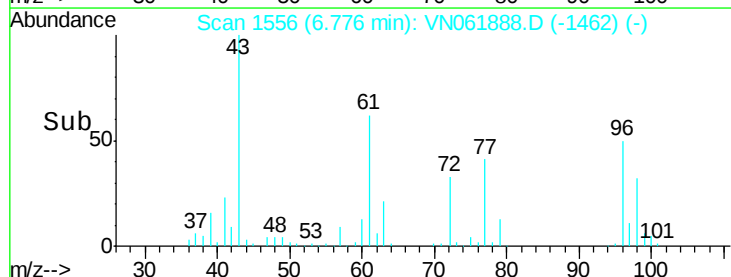
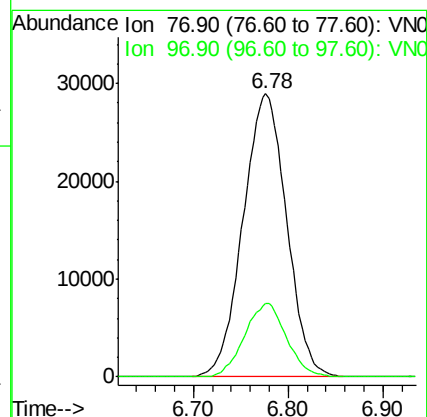
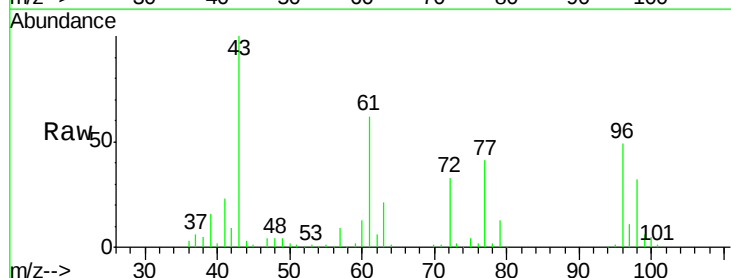
Acq: 18 Jun 2020 7:53

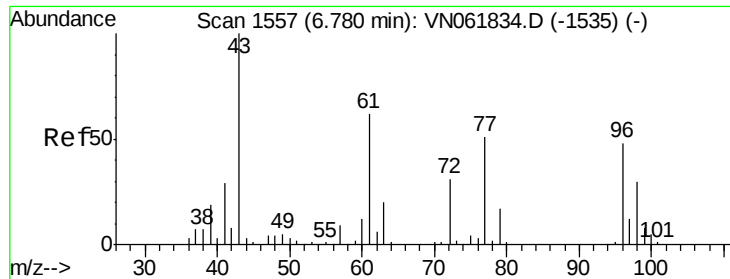
Tgt Ion: 77 Resp: 92441

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0





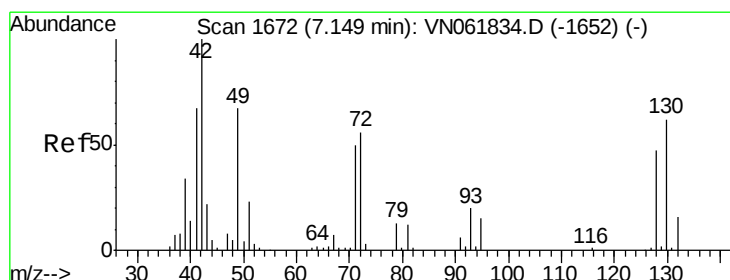
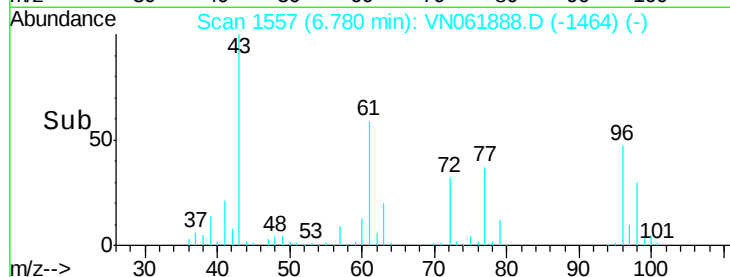
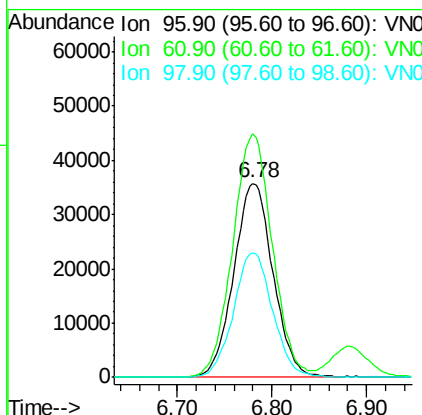
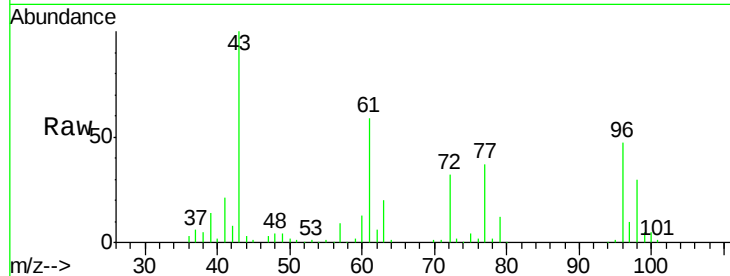
#27
 cis-1,2-Dichloroethene
 Concen: 46.792 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	126.6	0.0	265.6	
98	64.0	0.0	128.2	

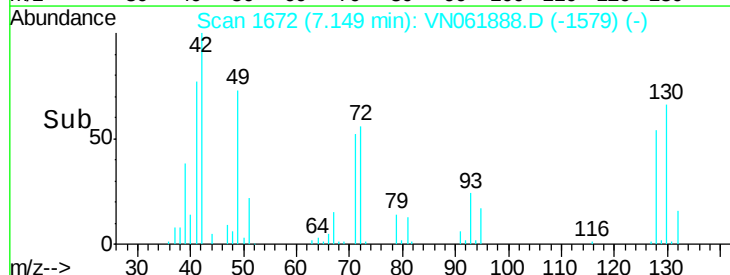
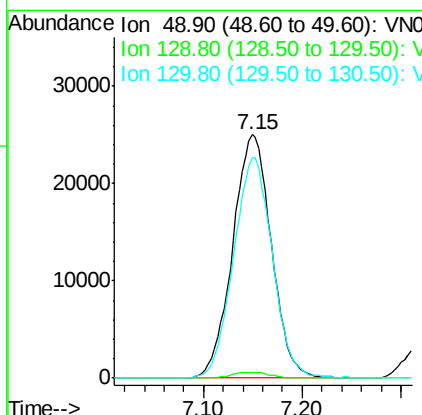
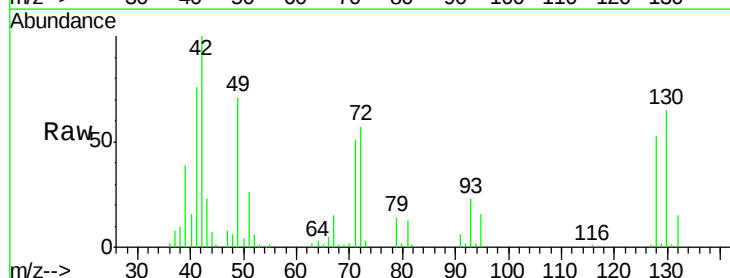
Manual Integrations
 APPROVED

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 6/18/2020 9:37:13 AM



#28
 Bromochloromethane
 Concen: 46.304 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.0	
130	91.1	72.2	108.2	





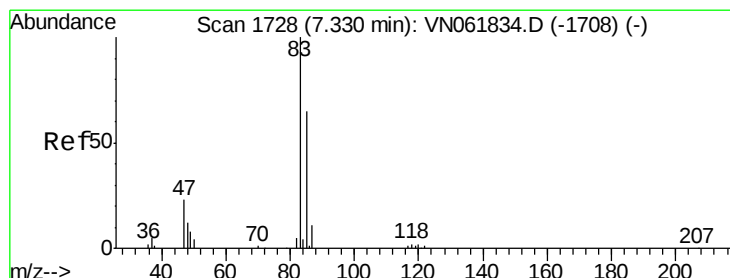
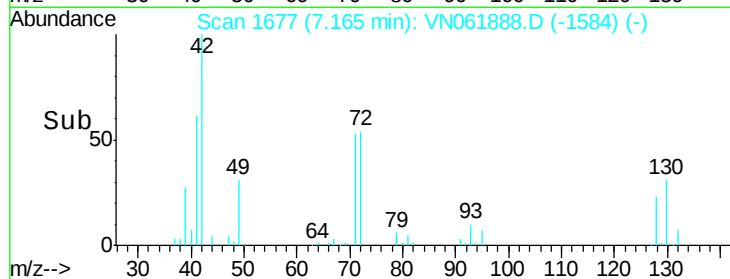
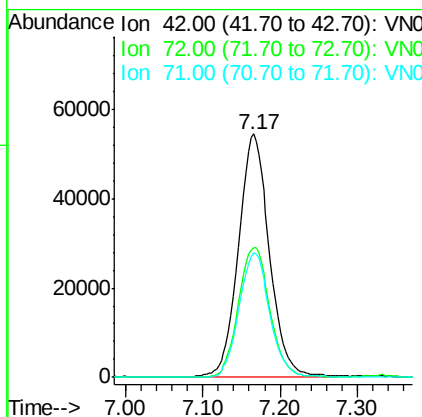
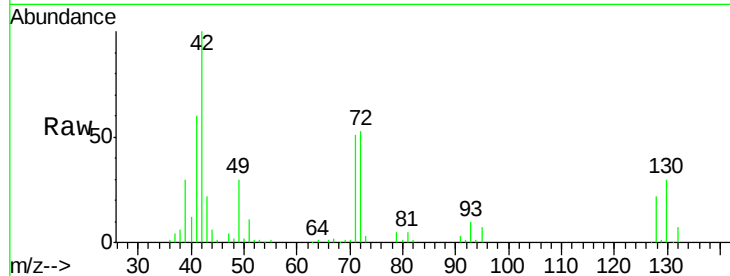
#29
Tetrahydrofuran
Concen: 243.413 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.1	44.0	66.0
71	50.6	40.0	60.0

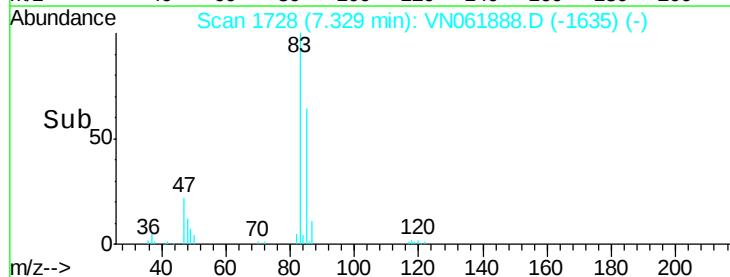
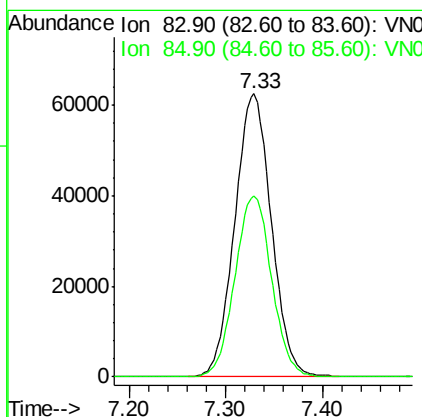
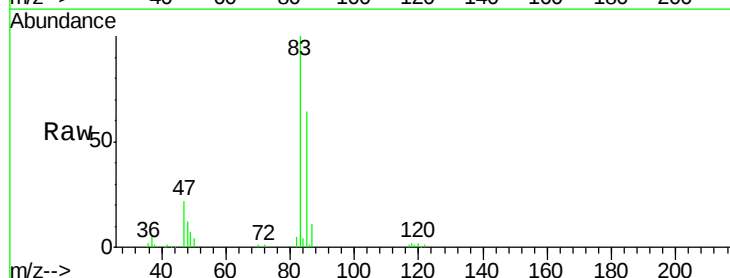
Manual Integrations
APPROVED

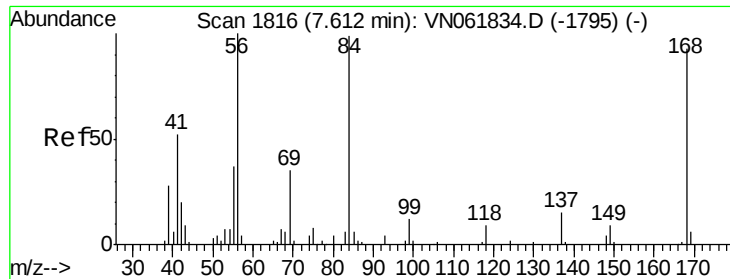
MMDadoda
6/18/2020 9:37:13 AM



#30
Chloroform
Concen: 46.536 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0





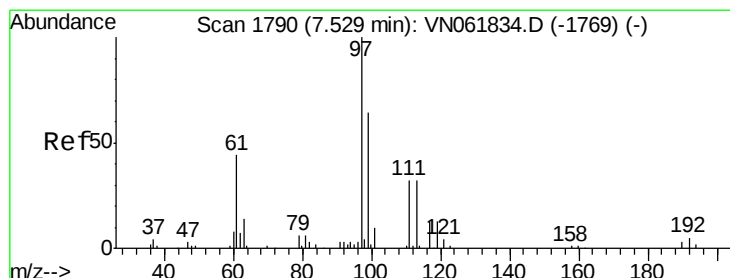
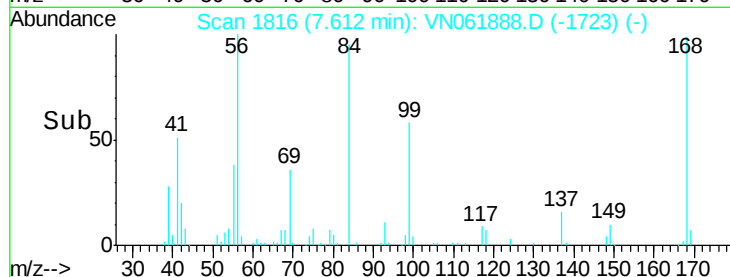
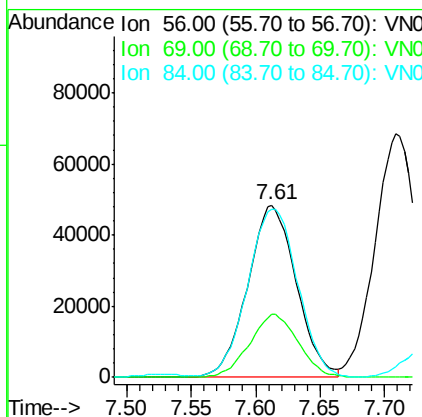
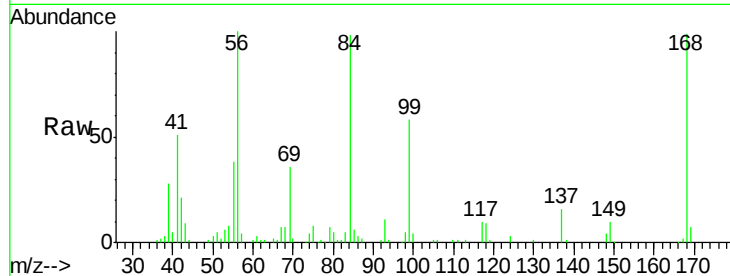
#31
Cyclohexane
Concen: 43.834 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	27.7	41.5
84	96.9	79.1	118.7

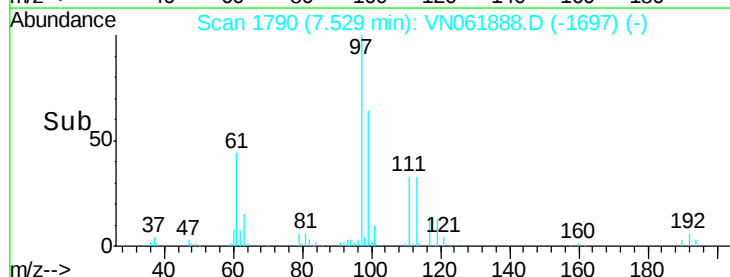
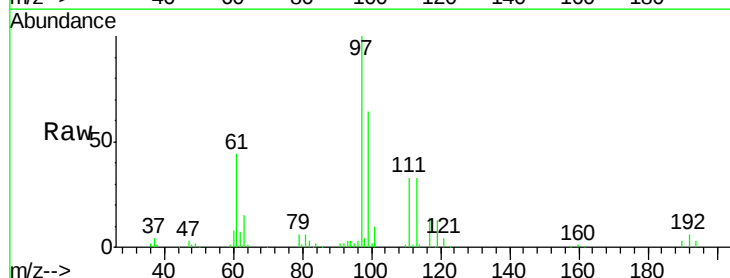
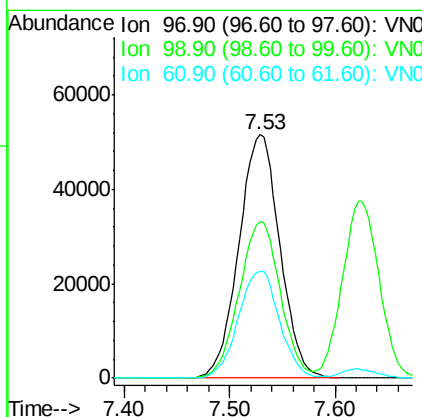
Manual Integrations
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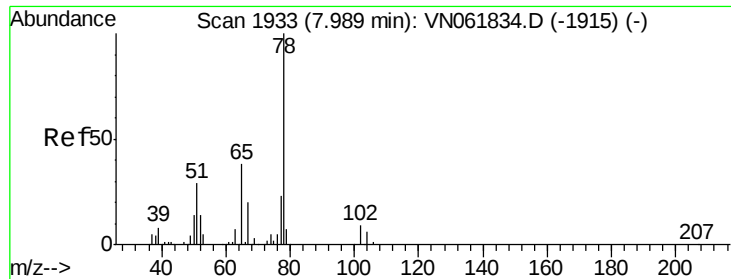
MMDadoda
6/18/2020 9:37:13 AM



#32
1,1,1-Trichloroethane
Concen: 46.319 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	44.1	35.1	52.7





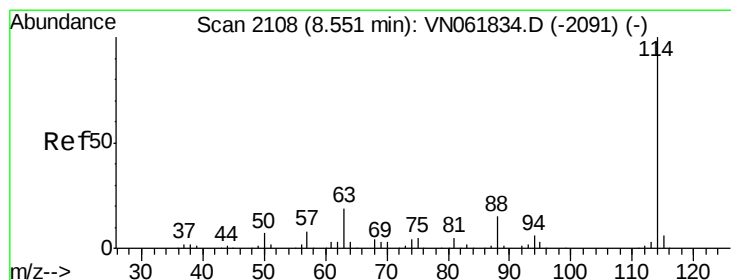
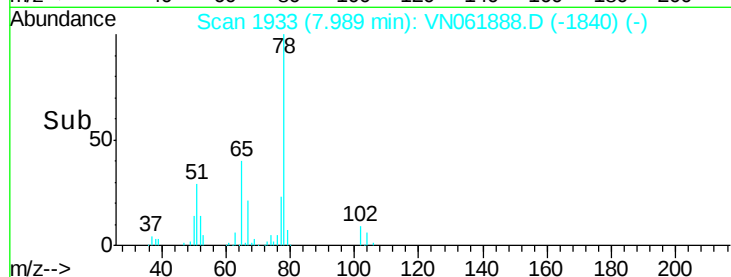
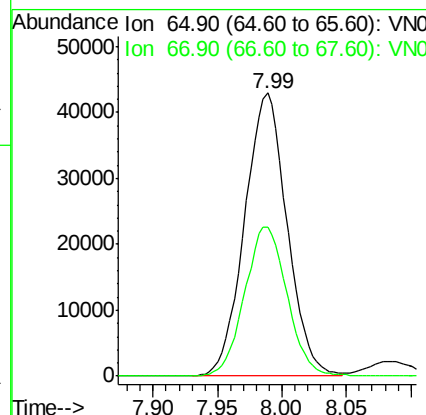
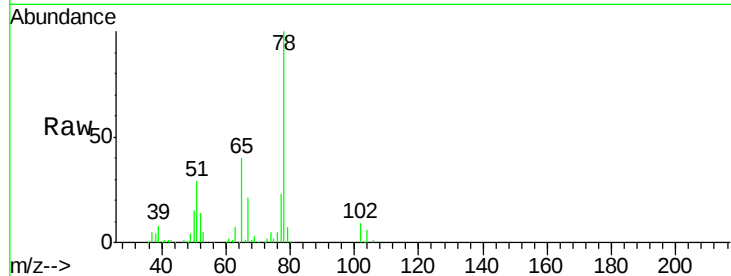
#33
 1,2-Dichloroethane-d4
 Concen: 44.732 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.8	0.0	106.2	

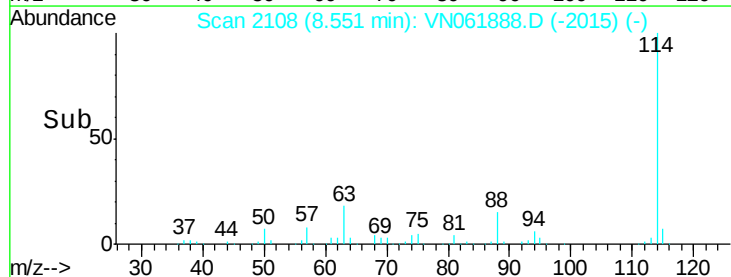
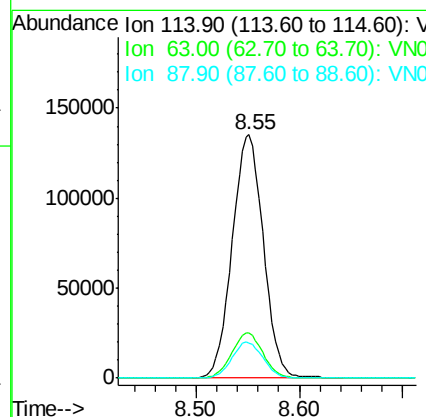
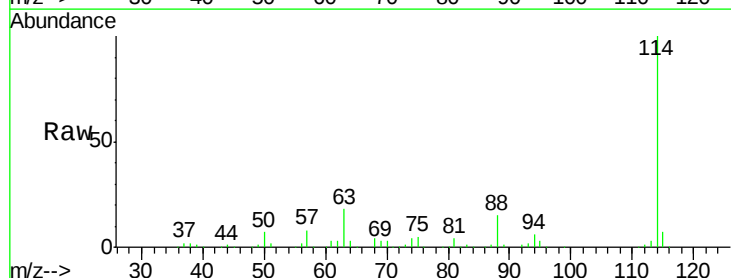
Manual Integrations
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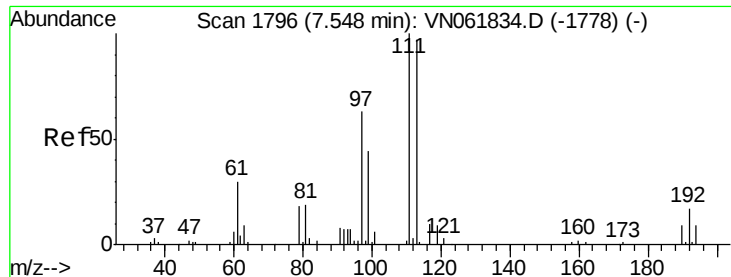
MMDadoda
 6/18/2020 9:37:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	37.6	
88	14.6	0.0	31.0	





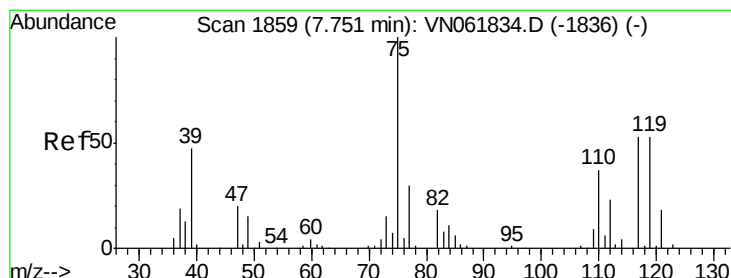
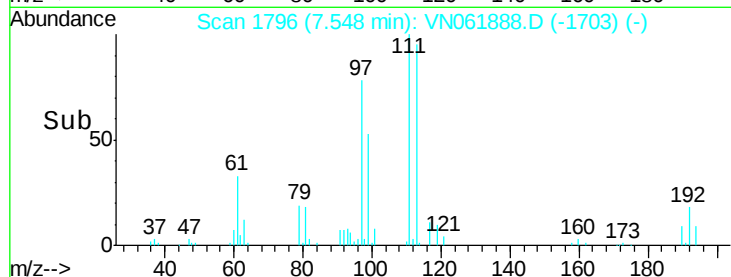
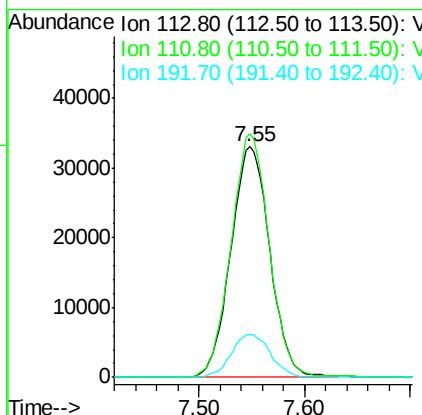
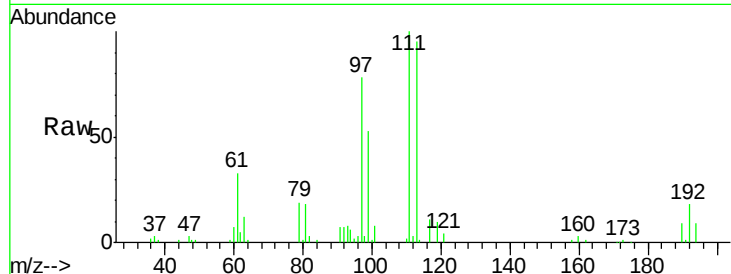
#35
 Dibromofluoromethane
 Concen: 46.483 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	83.7	125.5	
192	18.6	13.9	20.9	

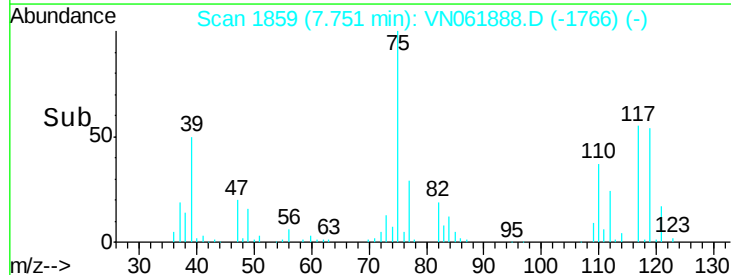
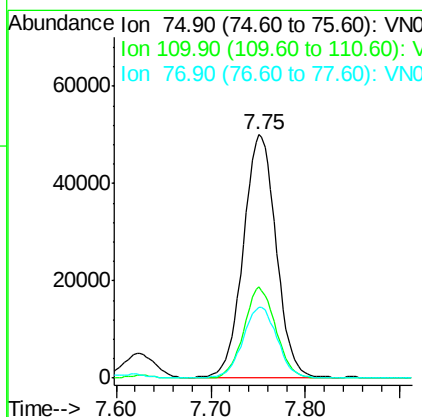
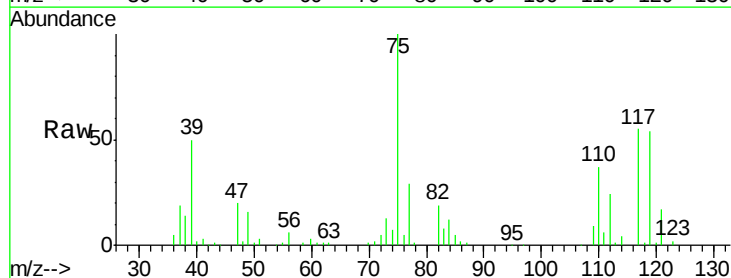
Manual Integrations
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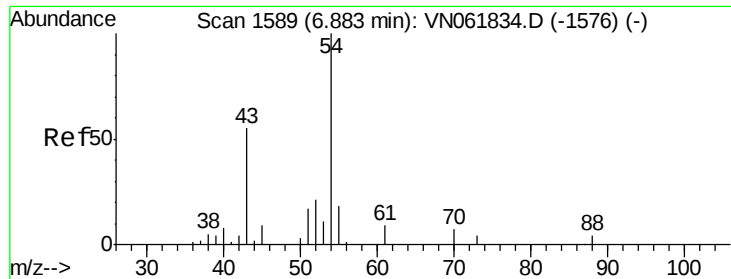
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.462 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.2	54.6	
77	30.3	24.2	36.4	





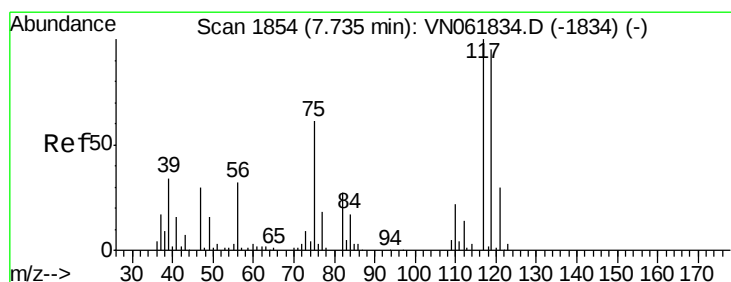
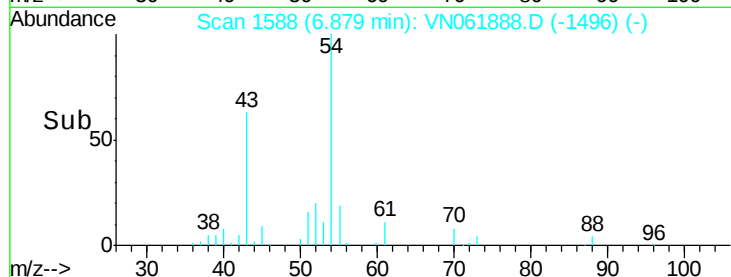
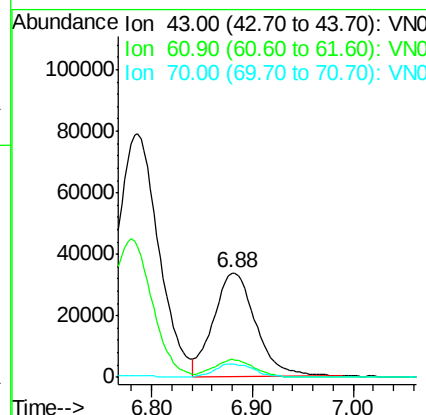
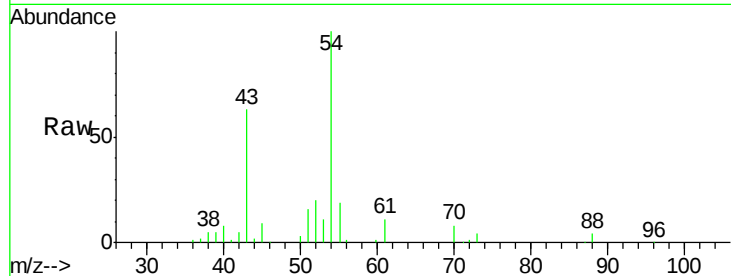
#37
Ethyl Acetate
Concen: 48.054 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.0	19.4
70	12.4	9.4	14.2

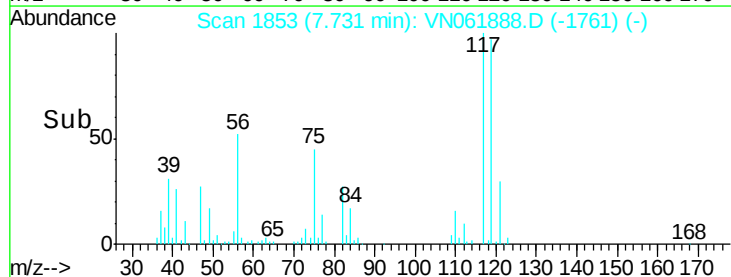
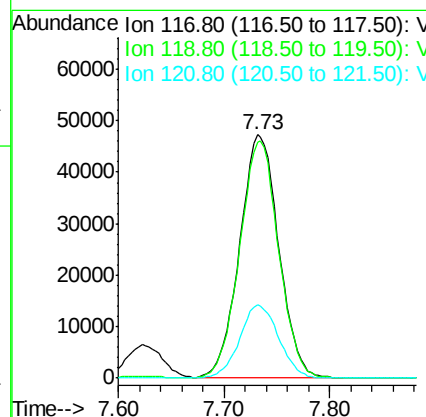
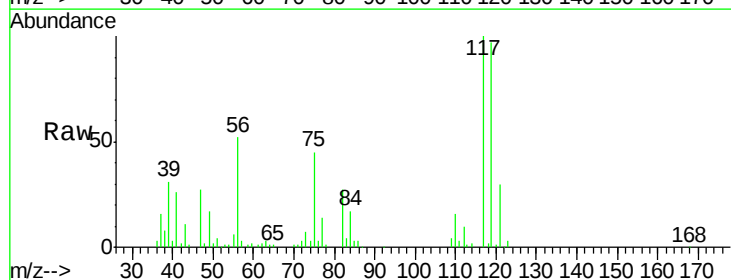
Manual Integrations
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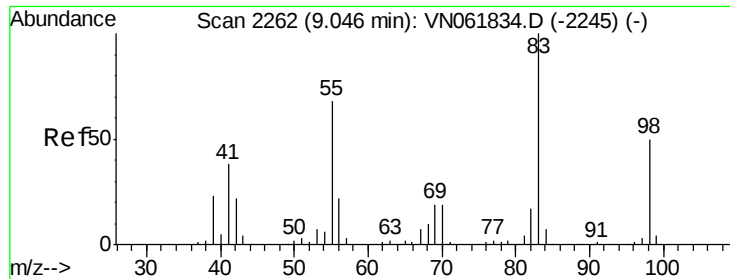
MMDadoda
6/18/2020 9:37:13 AM



#38
Carbon Tetrachloride
Concen: 47.239 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.6
121	29.9	23.8	35.6





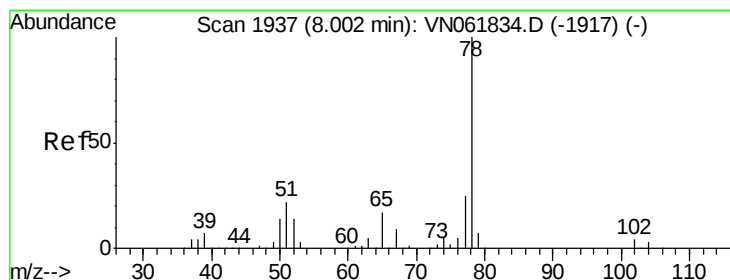
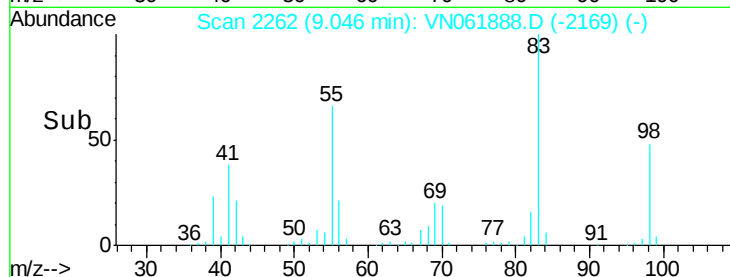
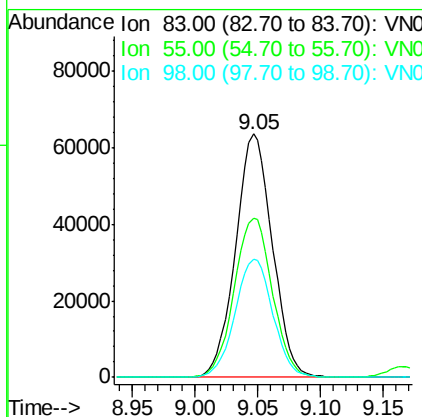
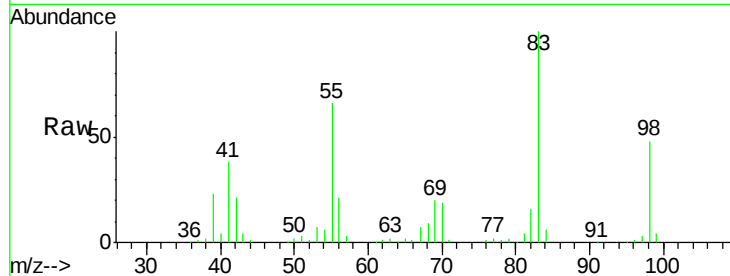
#39
Methvlcvclohexane
Concen: 46.246 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	65.6	54.2	81.4	
98	48.5	39.8	59.6	

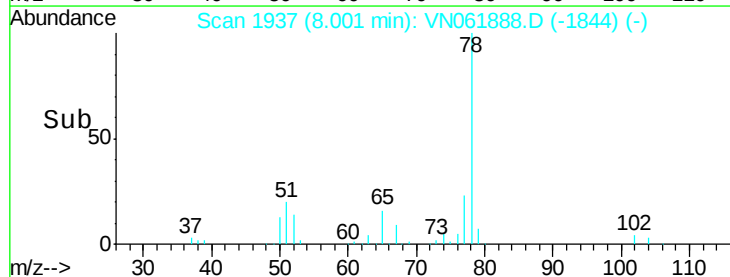
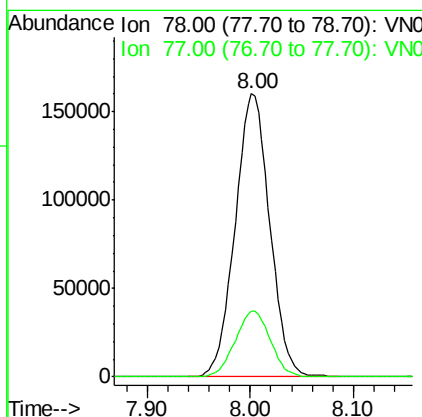
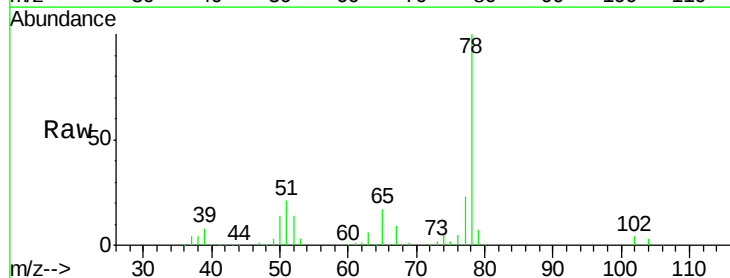
Manual Integrations
APPROVED

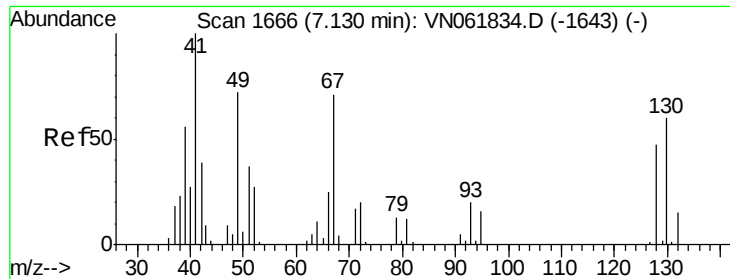
MMDadoda
6/18/2020 9:37:13 AM



#40
Benzene
Concen: 47.384 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.7	29.5	





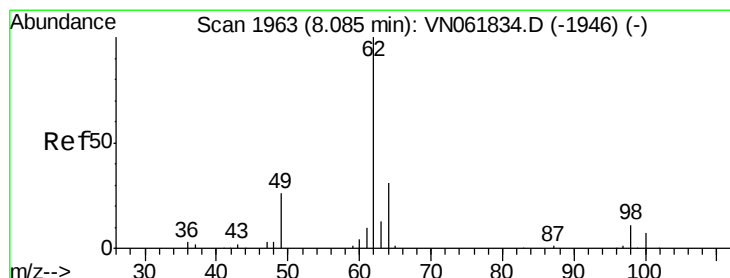
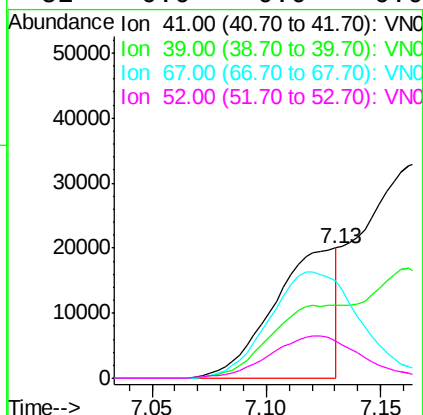
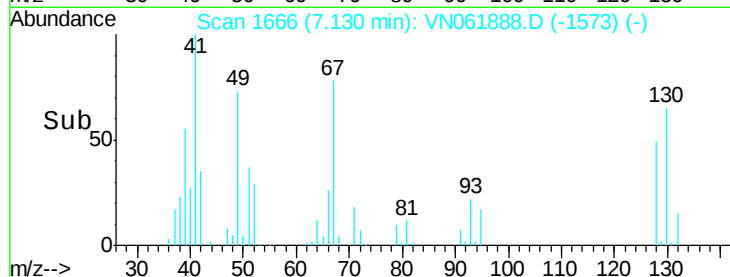
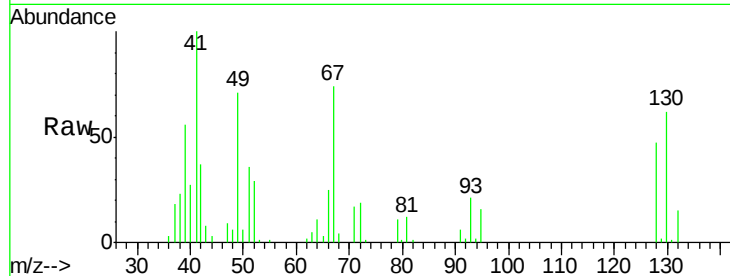
#41
Methacrylonitrile
Concen: 43.662 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	194.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

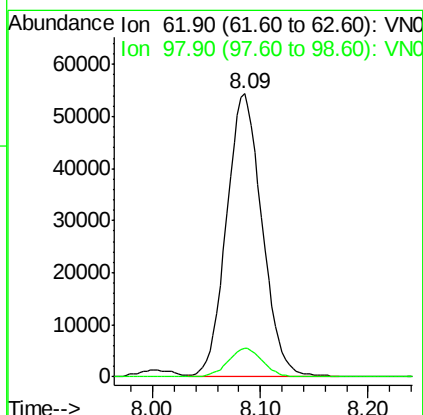
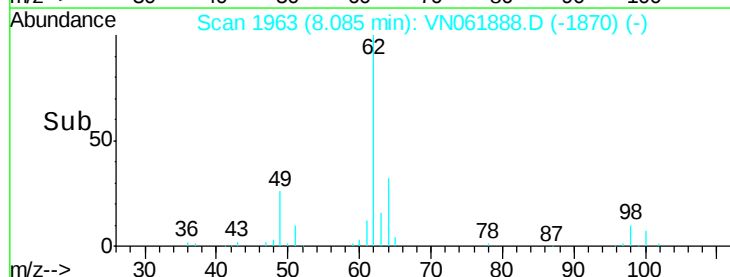
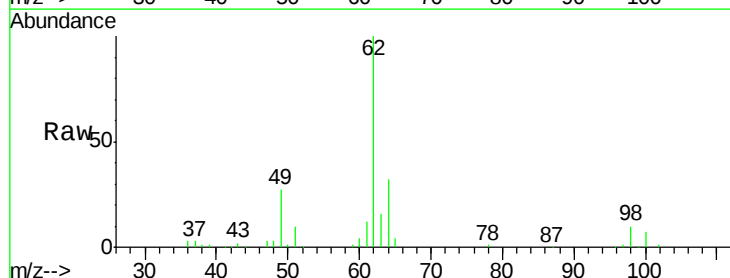
Manual Integrations
APPROVED

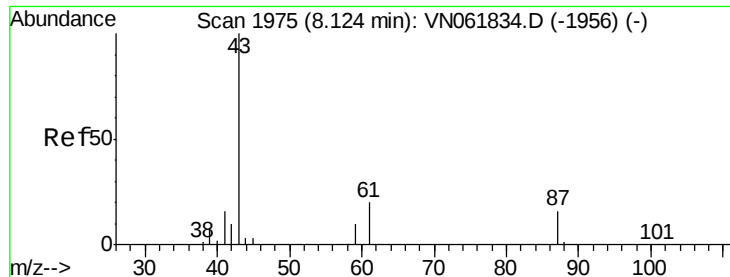
MMDadoda
6/18/2020 9:37:13 AM



#42
1,2-Dichloroethane
Concen: 46.249 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4





#43

Isopropyl Acetate

Concen: 48.635 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

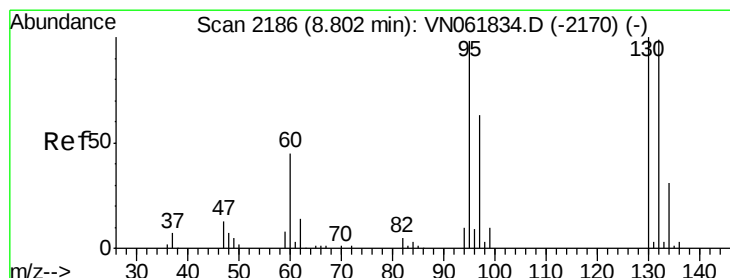
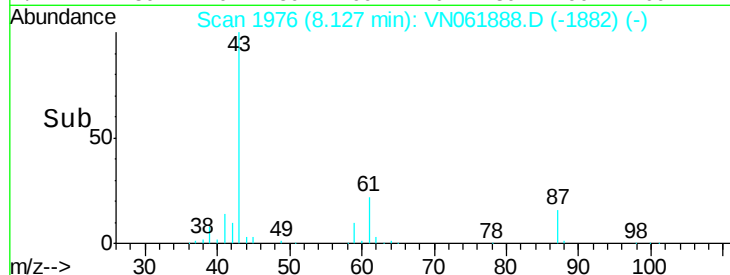
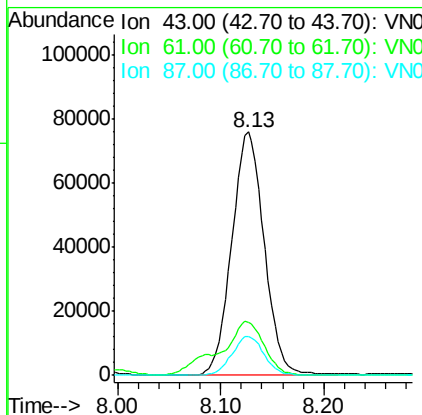
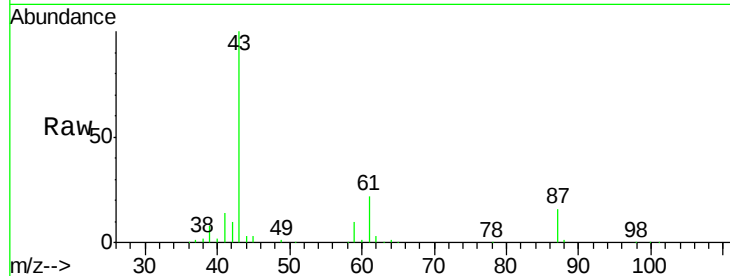
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	166575
Ion Ratio	Lower	Upper	
43	100		
61	21.9	24.0	36.0#
87	15.6	12.5	18.7

Manual Integrations
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6/18/2020 9:37:13 AM



#44

Trichloroethene

Concen: 47.691 ug/l

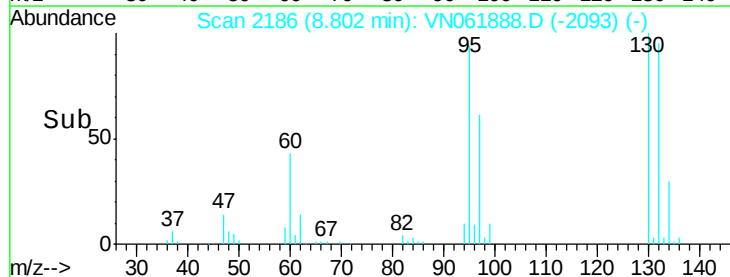
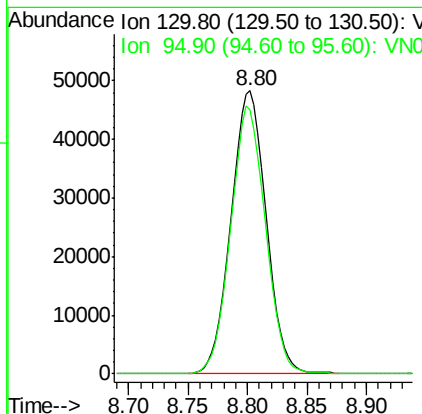
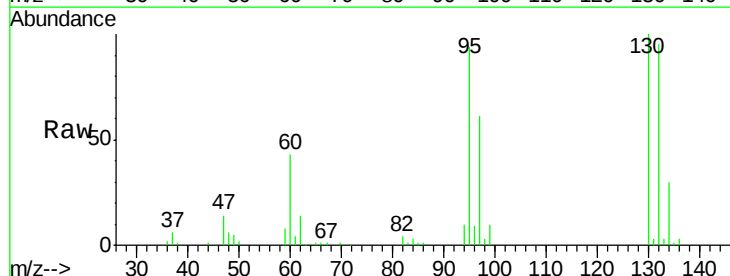
RT: 8.80 min Scan# 2186

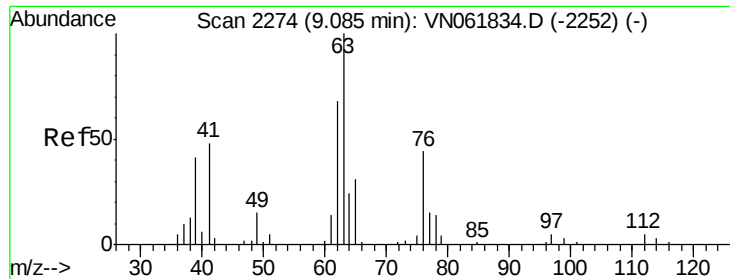
Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion:	130	Resp:	98949
Ion Ratio	Lower	Upper	
130	100		
95	93.5	0.0	195.6





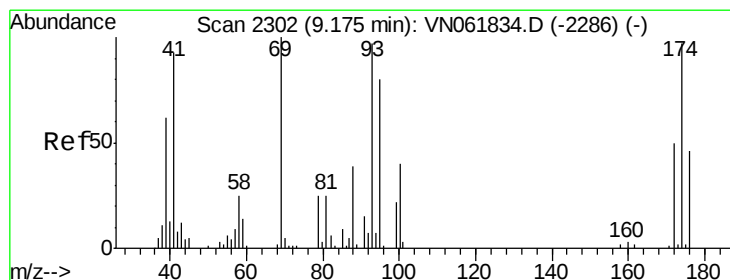
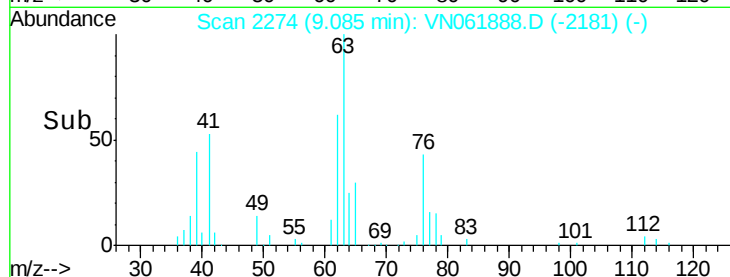
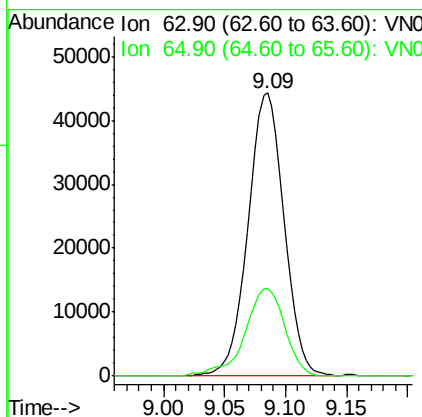
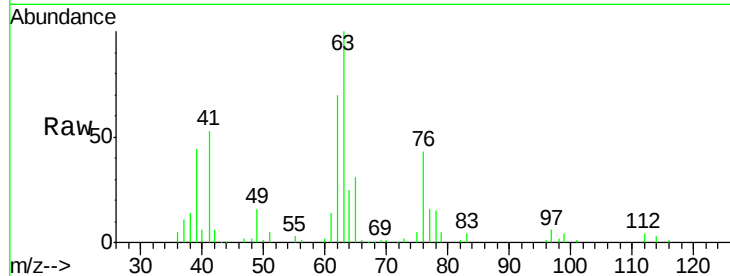
#45
 1,2-Dichloropropane
 Concen: 46.627 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 90337
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7

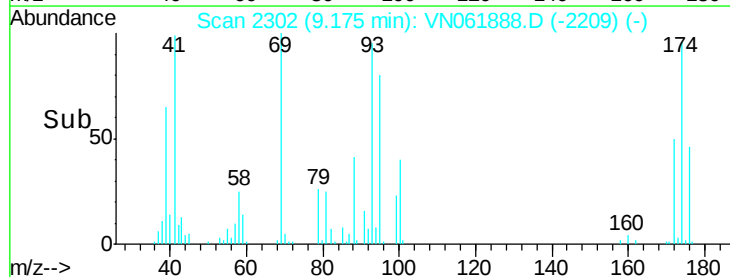
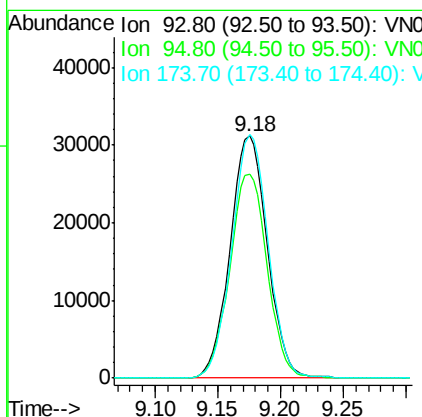
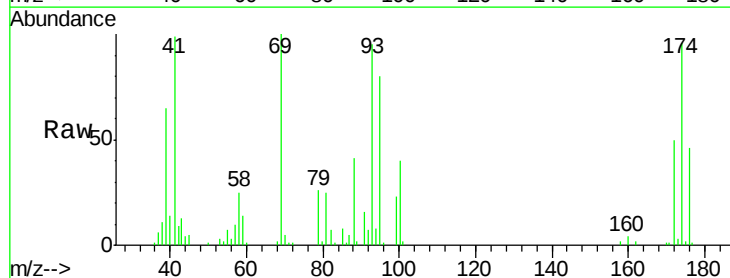
Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:13 AM



#46
 Dibromomethane
 Concen: 47.166 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion: 93 Resp: 64350
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.8 98.6
 174 98.3 78.5 117.7





#47

Bromodichloromethane

Concen: 47.537 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

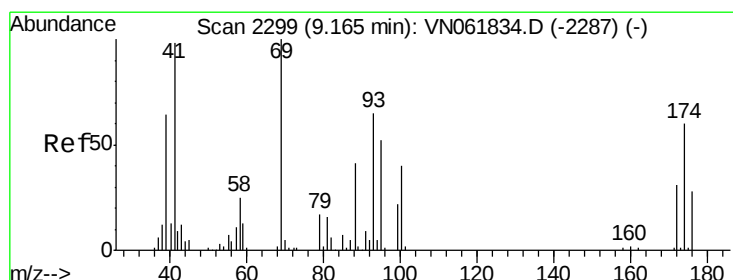
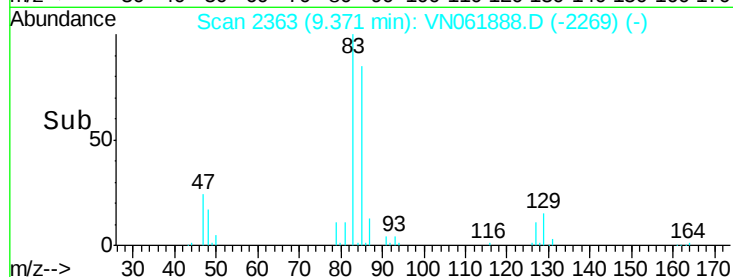
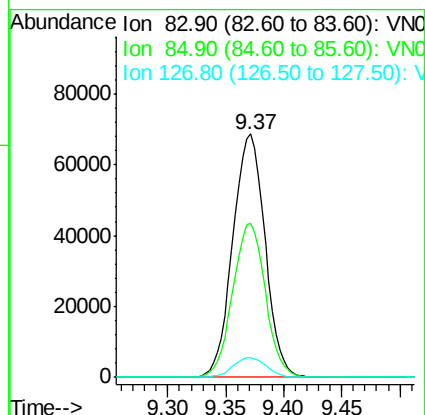
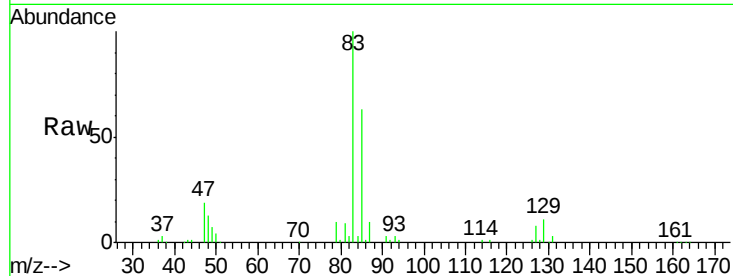
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	132803
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.8	76.2
127	8.0	7.0	10.4

Manual Integrations
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MMDadoda
6/18/2020 9:37:13 AM



#48

Methyl methacrylate

Concen: 48.026 ug/l

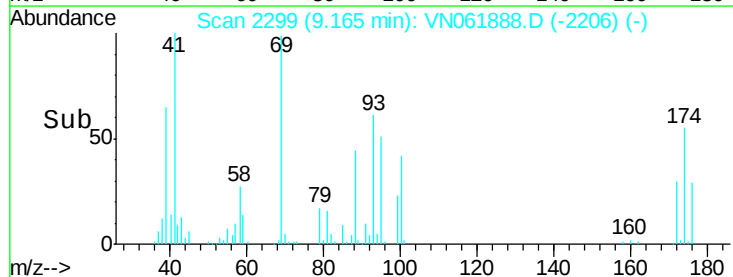
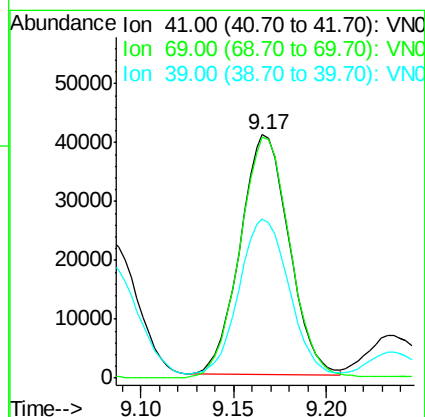
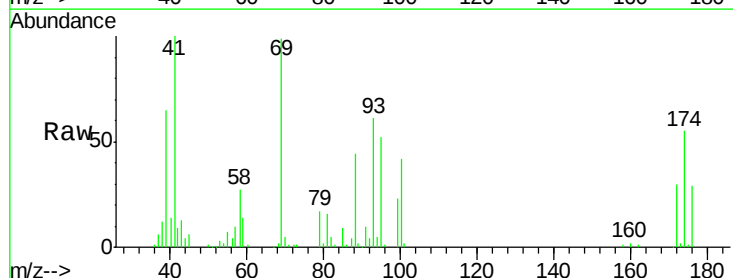
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion:	41	Resp:	74802
Ion Ratio	Lower	Upper	
41	100		
69	103.4	83.0	124.4
39	68.7	55.1	82.7





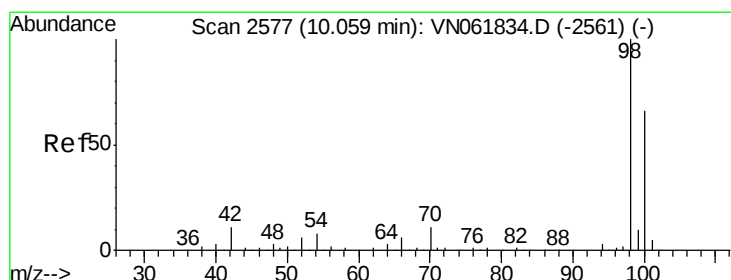
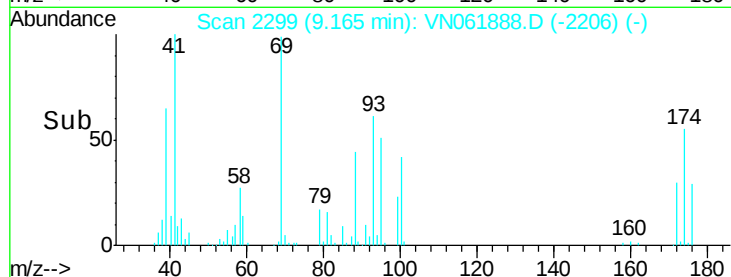
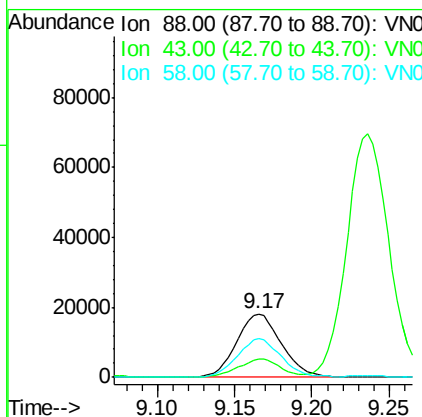
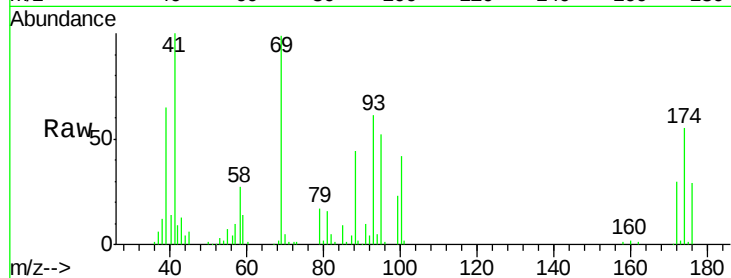
#49
1,4-Dioxane
Concen: 1017.657 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	23.4	35.2
58	60.5	49.8	74.6

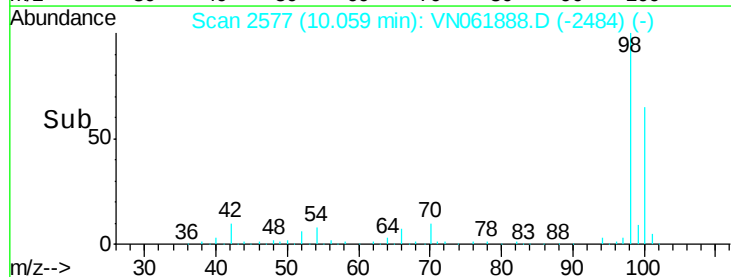
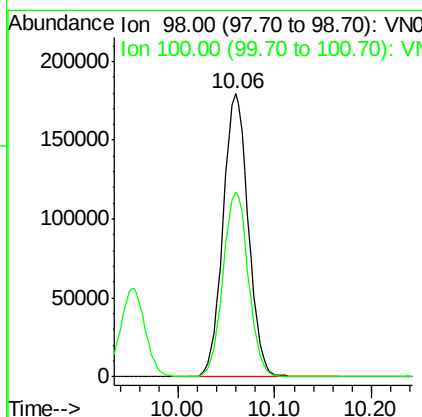
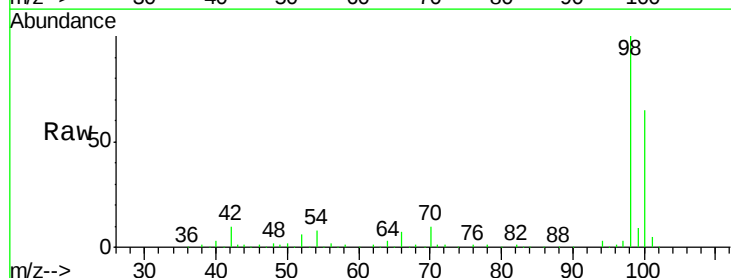
Manual Integrations
APPROVED

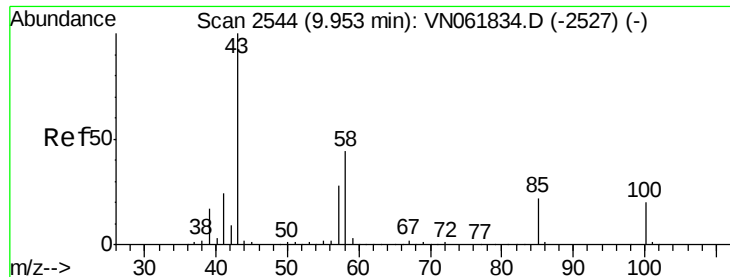
MMDadoda
6/18/2020 9:37:13 AM



#50
Toluene-d8
Concen: 45.302 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 245.821 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 497526

Ion Ratio Lower Upper

43 100

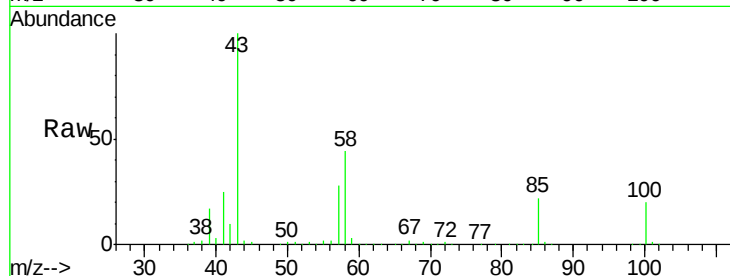
58 43.9 34.6 52.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.95

250000

200000

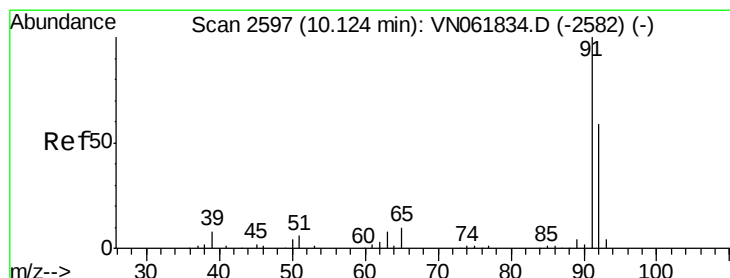
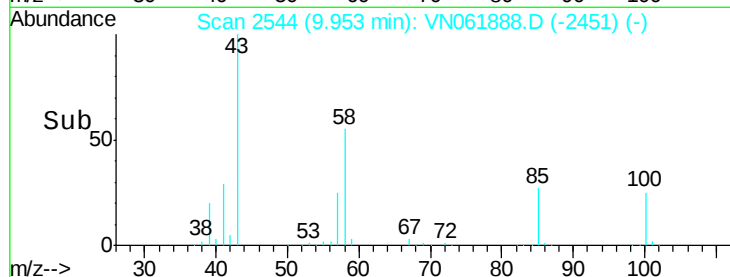
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.796 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061888.D

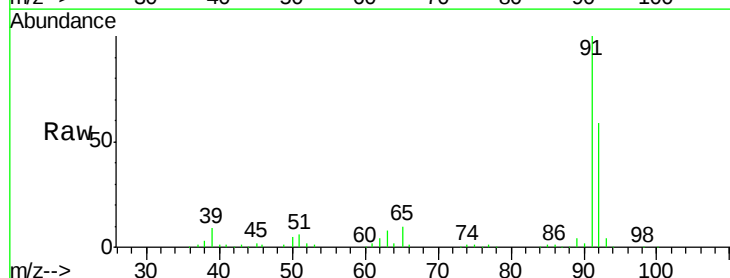
Acq: 18 Jun 2020 7:53

Tgt Ion: 92 Resp: 241599

Ion Ratio Lower Upper

92 100

91 169.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

10.12

250000

200000

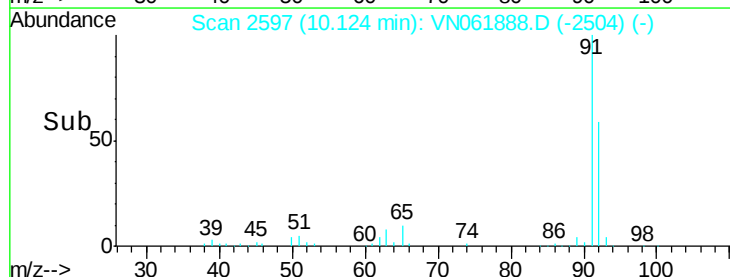
150000

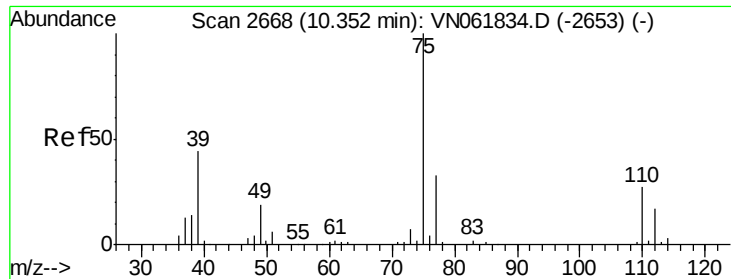
100000

50000

0

Time-->





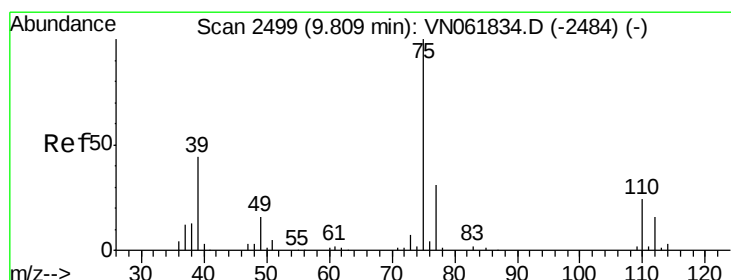
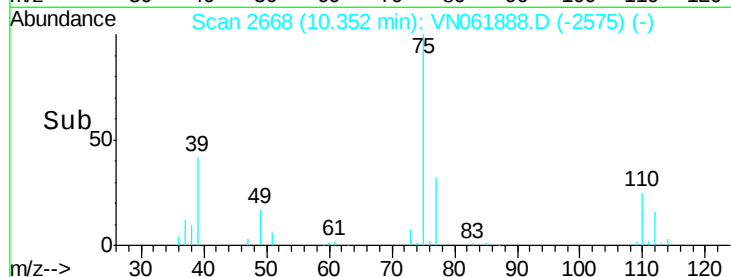
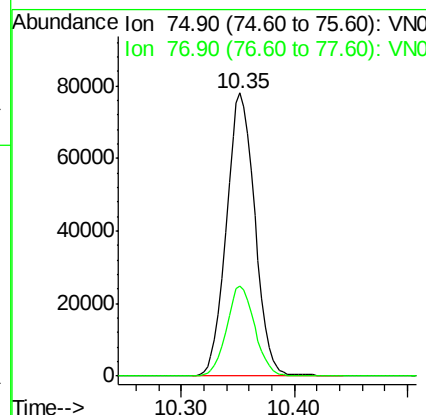
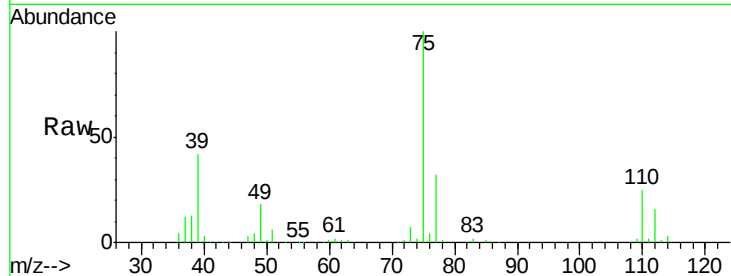
#53
t-1,3-Dichloropropene
Concen: 46.020 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 136480
Ion Ratio Lower Upper
75 100
77 32.1 26.3 39.5

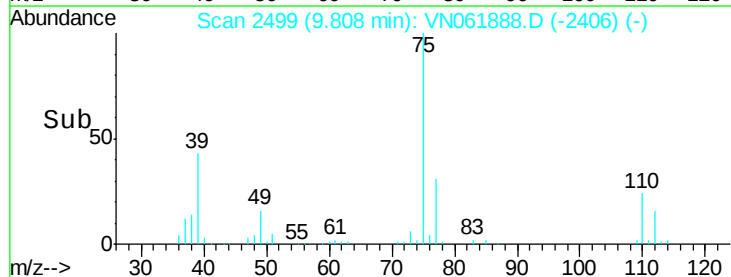
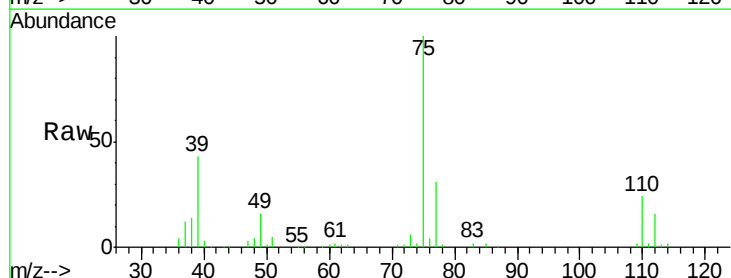
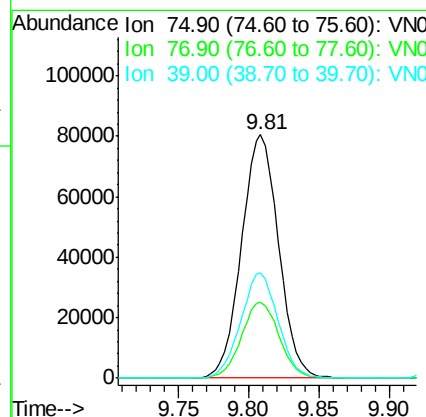
Manual Integrations
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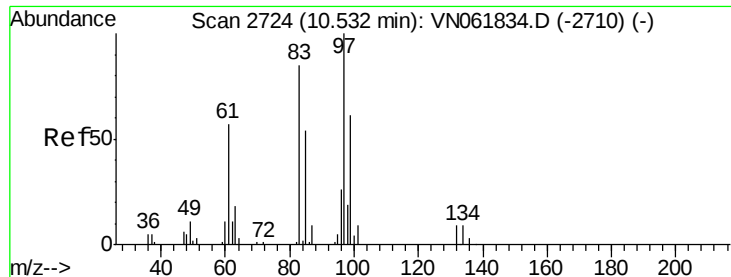
MMDadoda
6/18/2020 9:37:13 AM



#54
cis-1,3-Dichloropropene
Concen: 46.056 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion: 75 Resp: 148355
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 43.4 35.4 53.0





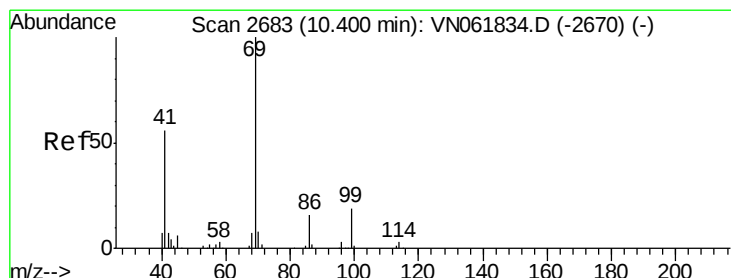
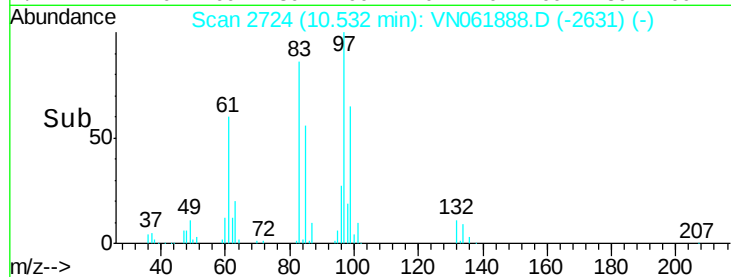
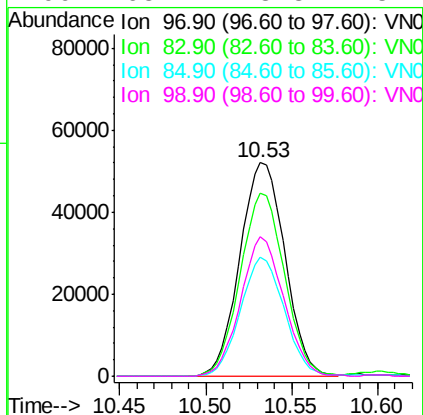
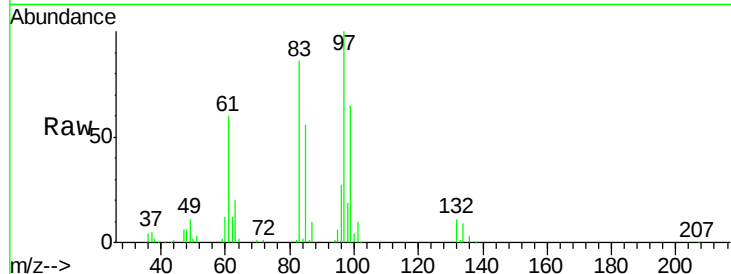
#55
 1,1,2-Trichloroethane
 Concen: 48.728 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94924
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.7	101.5
85	55.6	43.4	65.0
99	65.1	48.8	73.2

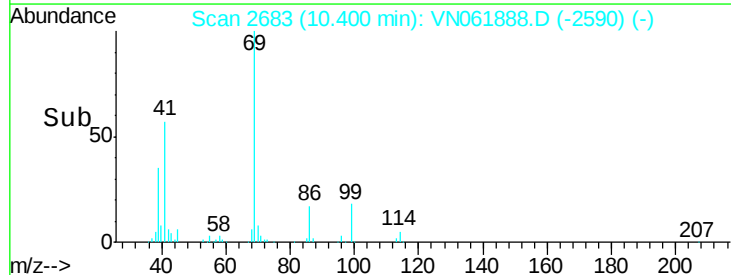
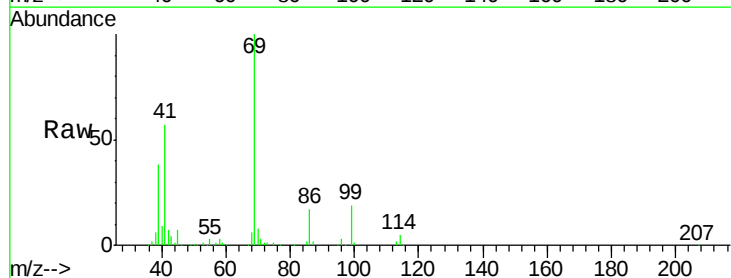
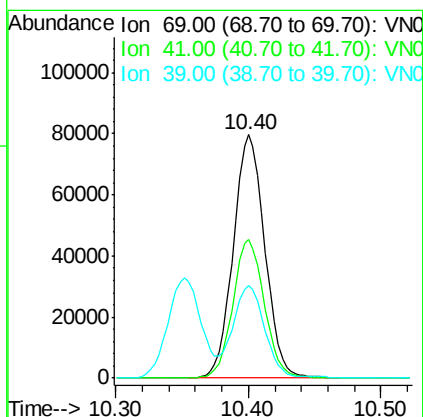
Manual Integrations
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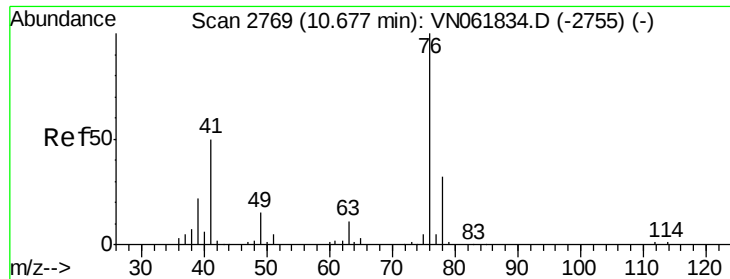
MMDadoda
 6/18/2020 9:37:13 AM



#56
 Ethyl methacrylate
 Concen: 44.549 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion:	69	Resp:	131561
Ion	Ratio	Lower	Upper
69	100		
41	56.2	44.9	67.3
39	37.3	30.0	45.0





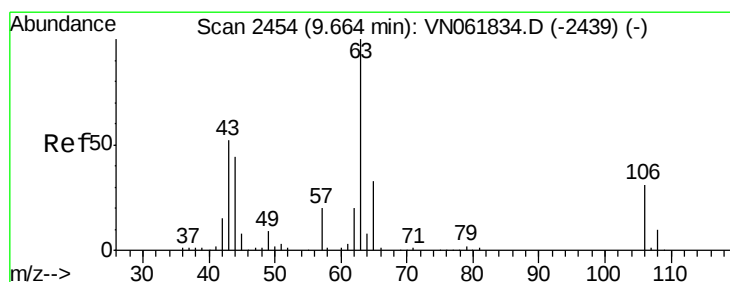
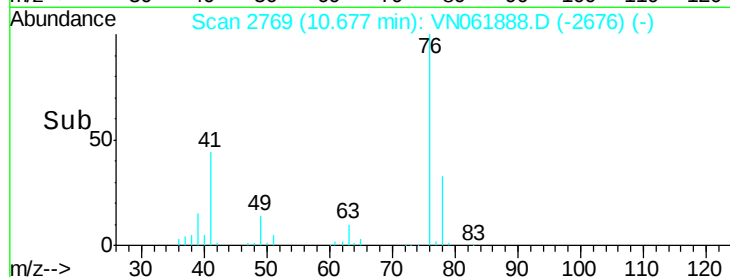
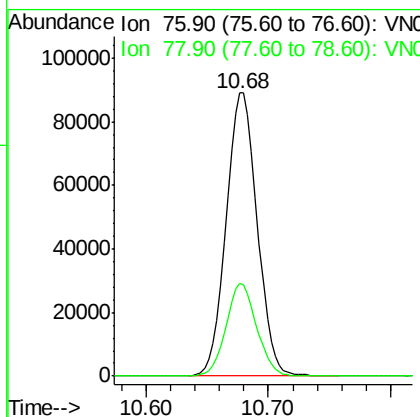
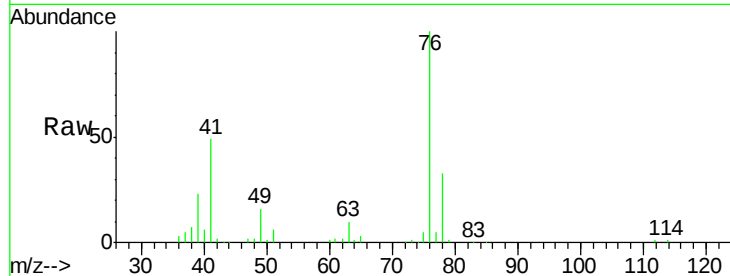
#57
 1,3-Dichloropropane
 Concen: 47.974 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 158326
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

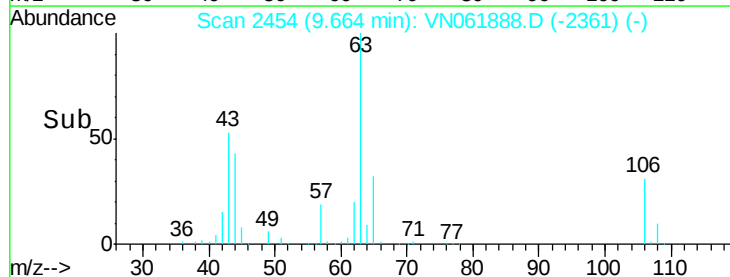
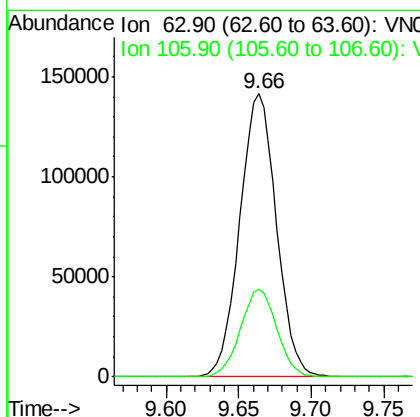
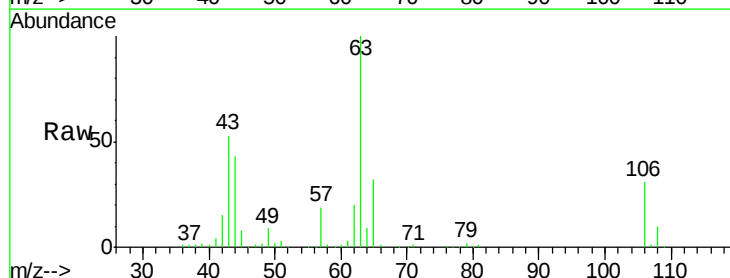
Manual Integrations
 APPROVED

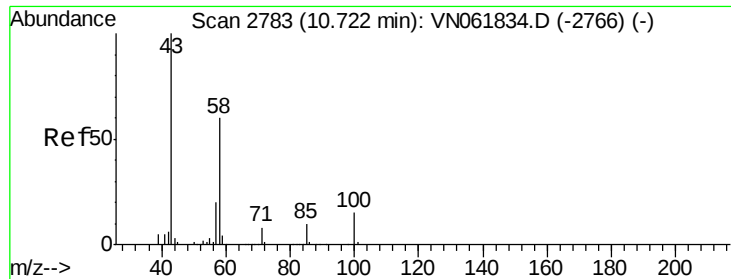
MMDadoda
 6/18/2020 9:37:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.697 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion: 63 Resp: 248492
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.6 36.8





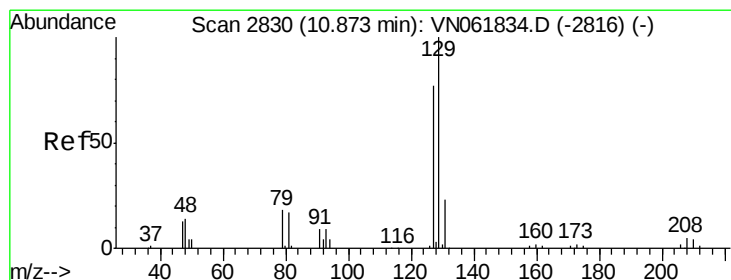
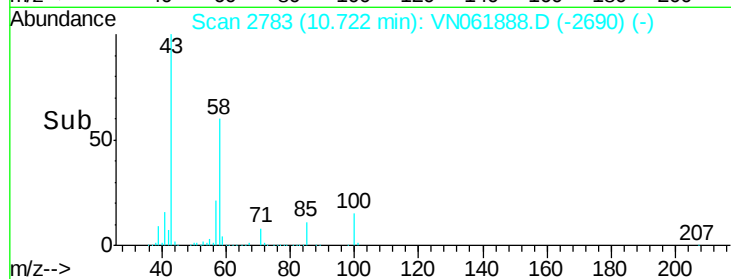
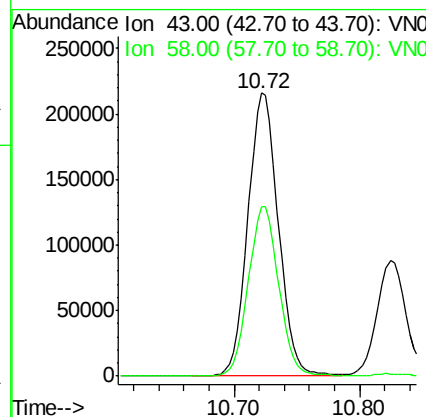
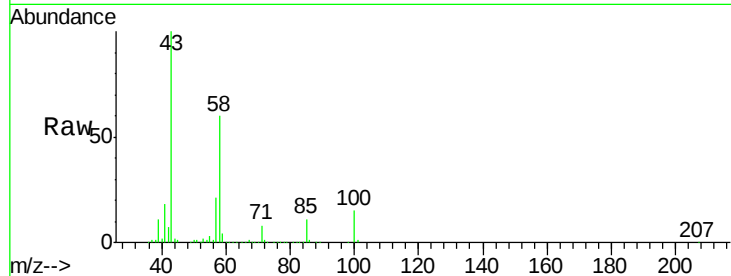
#59
2-Hexanone
Concen: 226.684 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	364400
Ion Ratio	43	100	
Lower	58	60.1	30.1
Upper			90.5

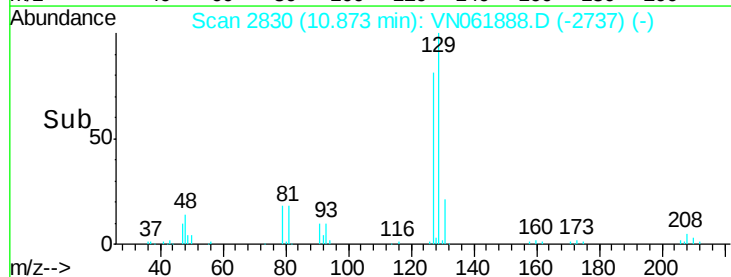
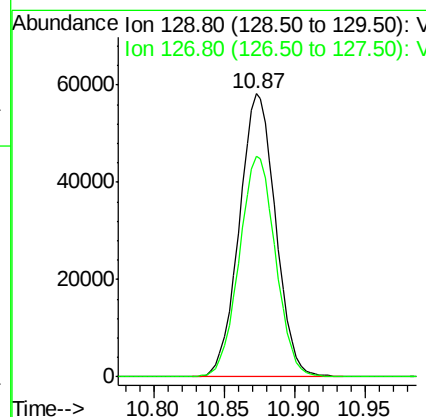
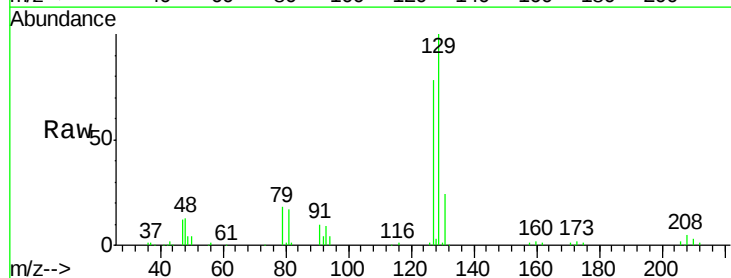
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6/18/2020 9:37:13 AM



#60
Dibromochloromethane
Concen: 48.256 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	129	Resp	104896
Ion Ratio	129	100	
Lower	127	78.0	38.5
Upper			115.5





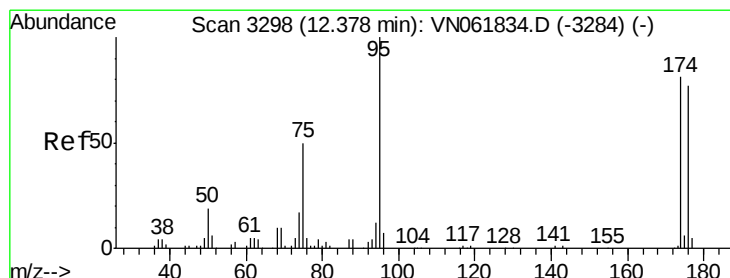
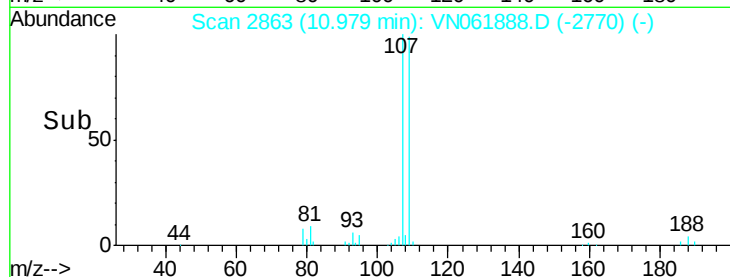
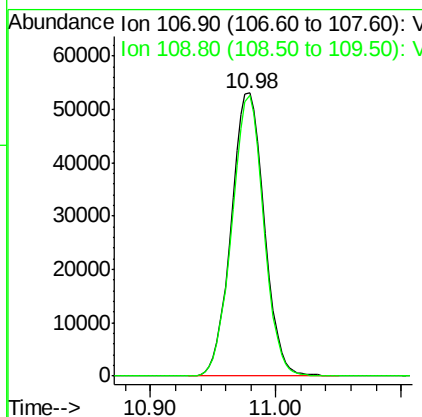
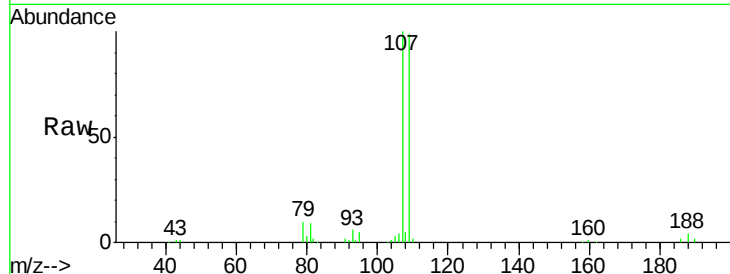
#61
 1,2-Dibromoethane
 Concen: 47.699 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 97027
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.0 112.6

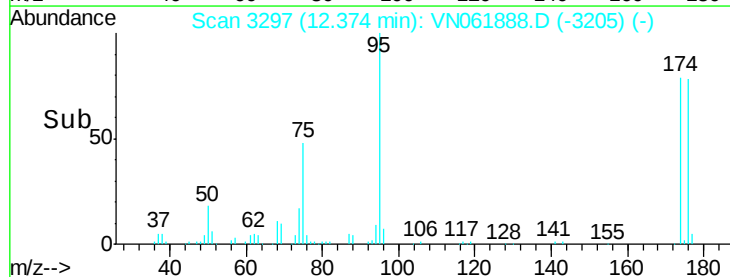
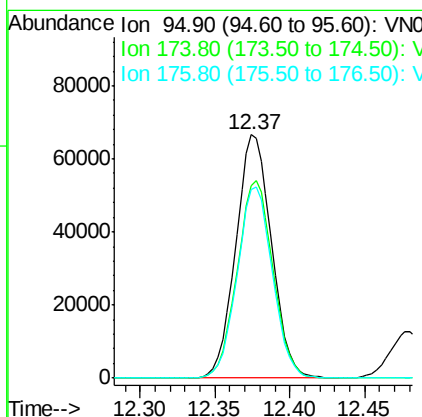
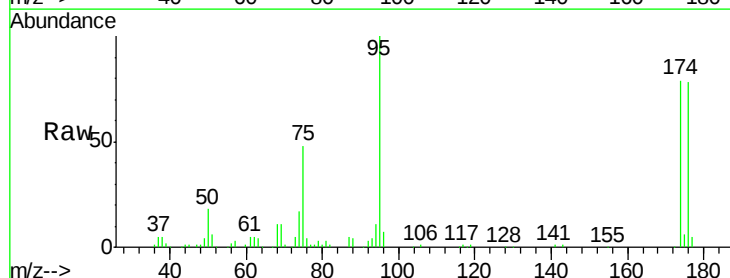
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 44.836 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion: 95 Resp: 110370
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 158.6
 176 77.8 0.0 152.0





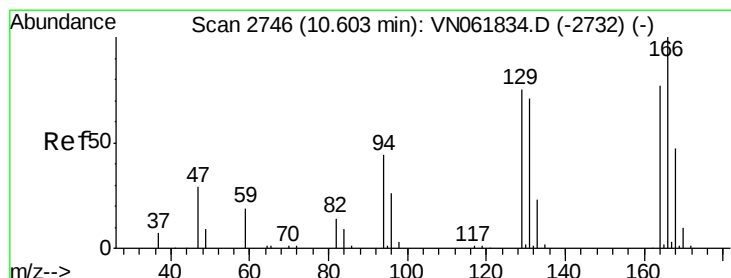
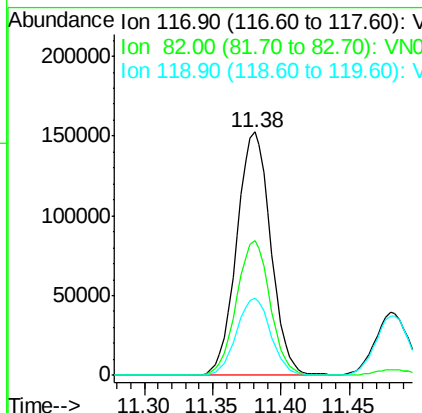
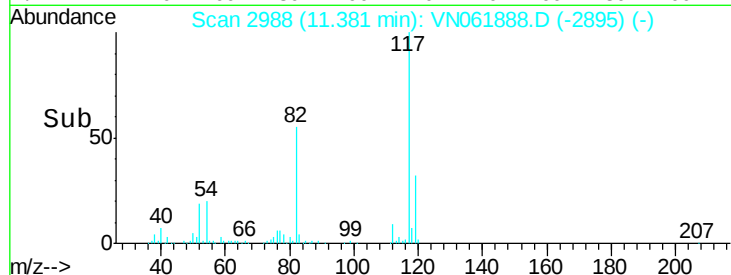
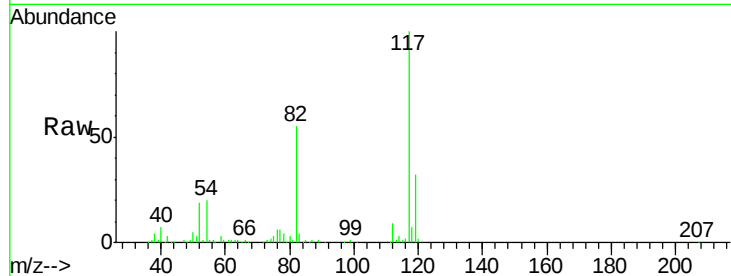
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.6	64.0
119	31.8	24.7	37.1

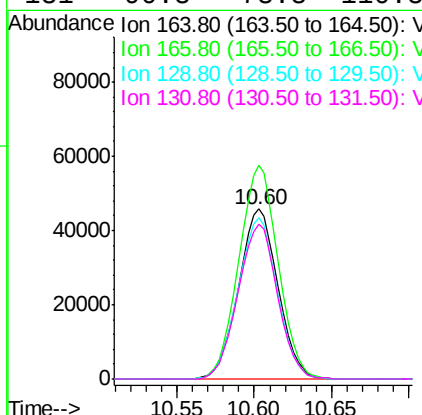
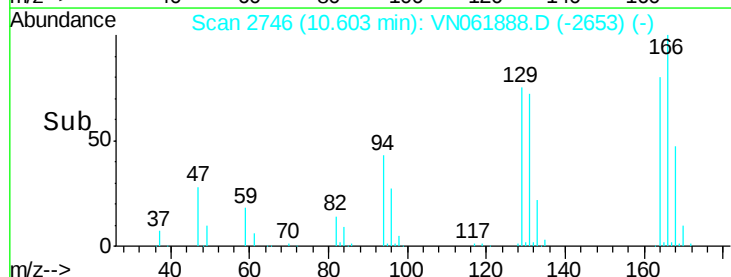
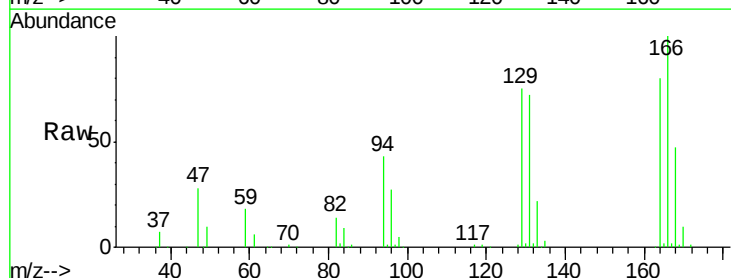
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.956 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.5	155.3
129	94.8	77.5	116.3
131	90.8	73.8	110.8





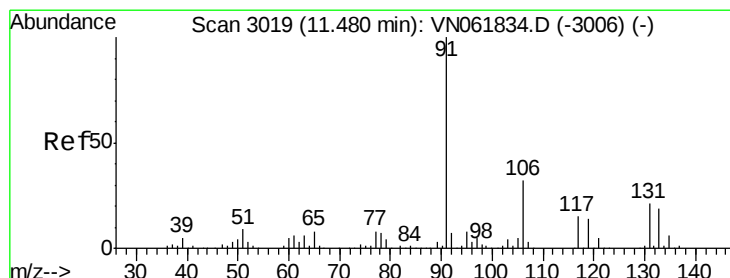
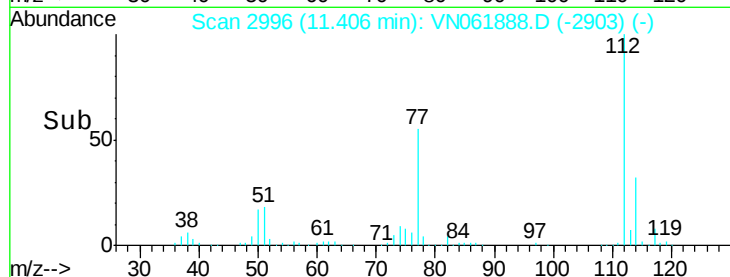
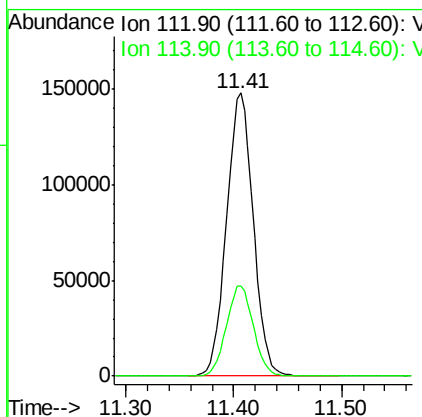
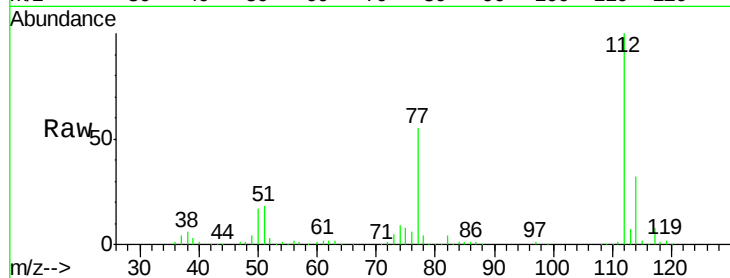
#65
Chlorobenzene
Concen: 45.776 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 255754
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

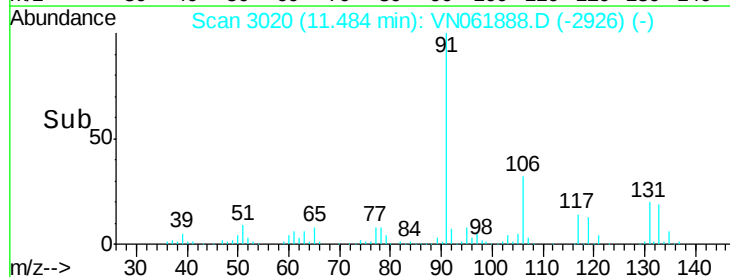
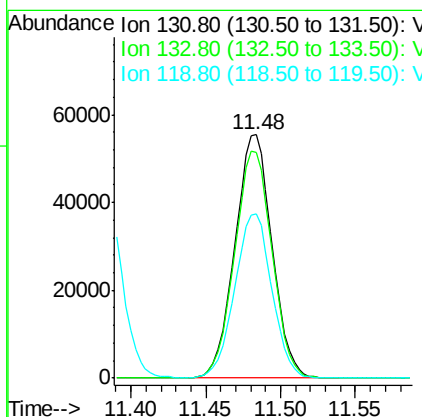
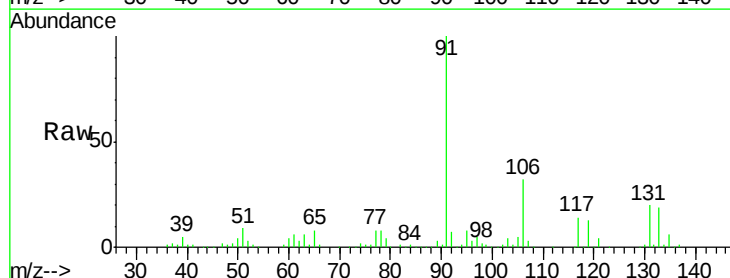
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.089 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion:131 Resp: 95654
Ion Ratio Lower Upper
131 100
133 94.1 47.5 142.5
119 67.6 34.0 101.8





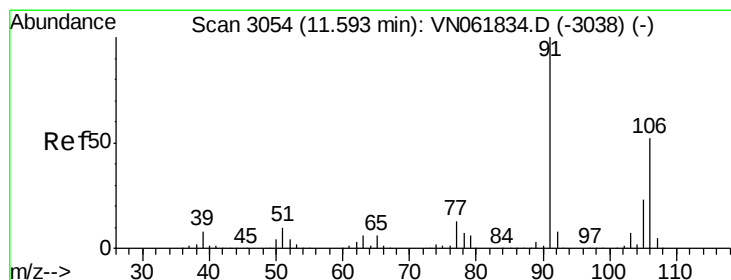
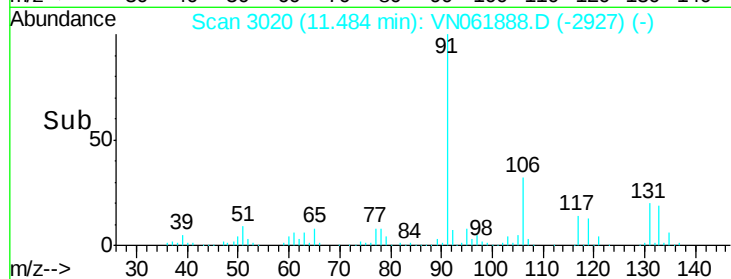
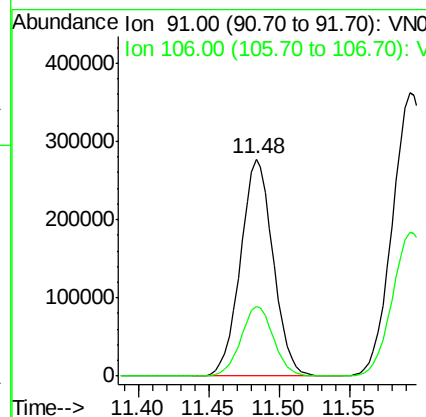
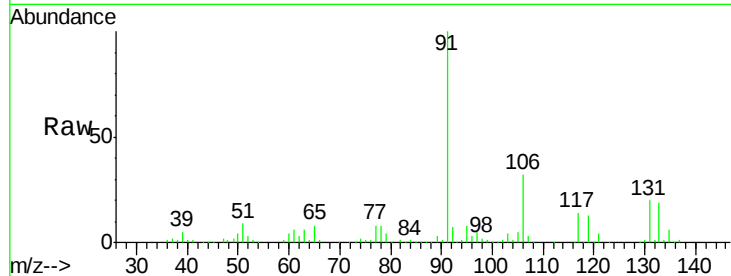
#67
Ethyl Benzene
Concen: 48.016 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 449791
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

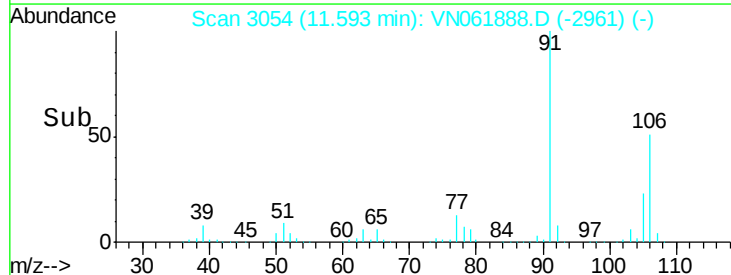
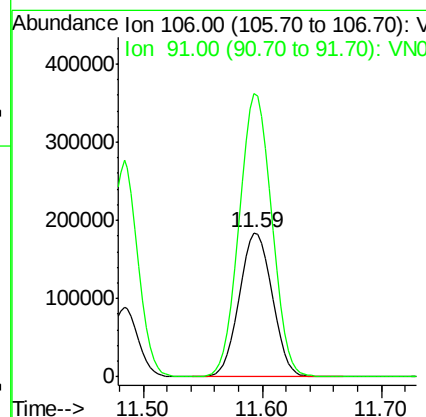
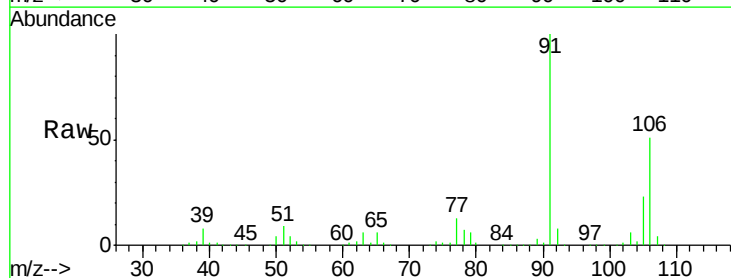
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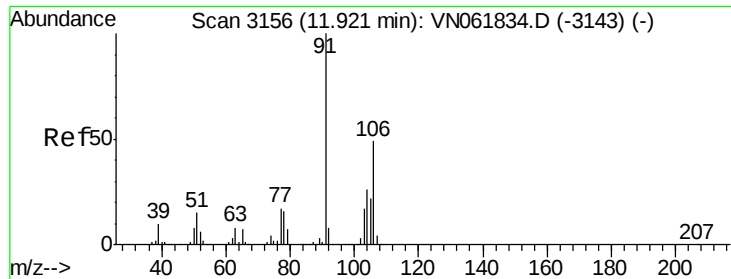
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#68
m/p-Xylenes
Concen: 98.241 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion: 106 Resp: 354861
Ion Ratio Lower Upper
106 100
91 194.2 157.0 235.6





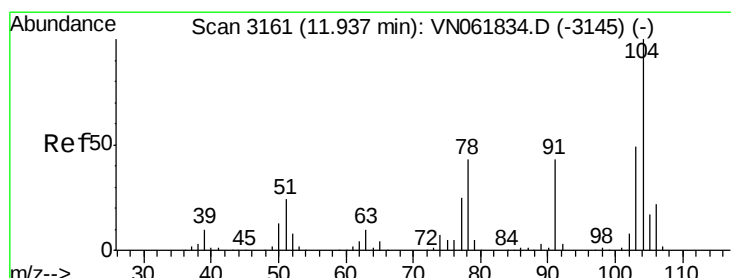
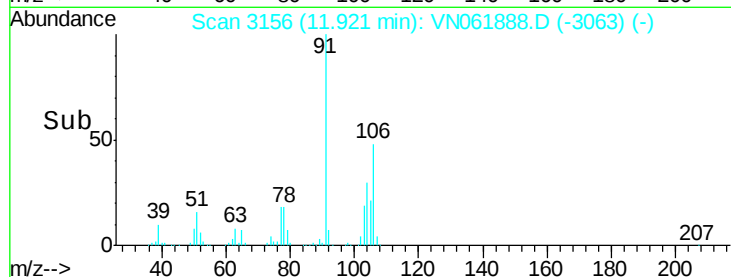
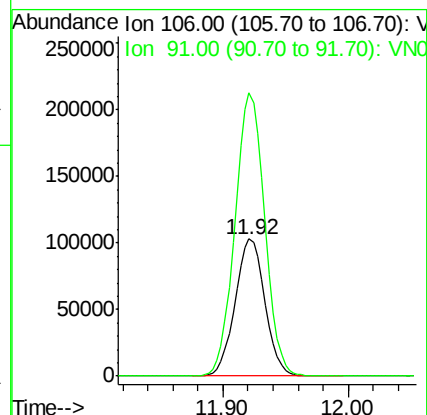
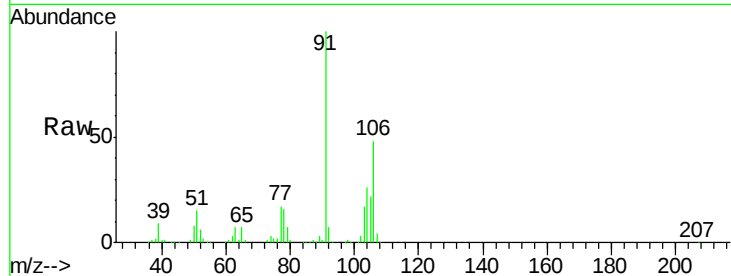
#69
o-Xylene
Concen: 49.255 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		169757		
91	206.2	103.0	308.9		

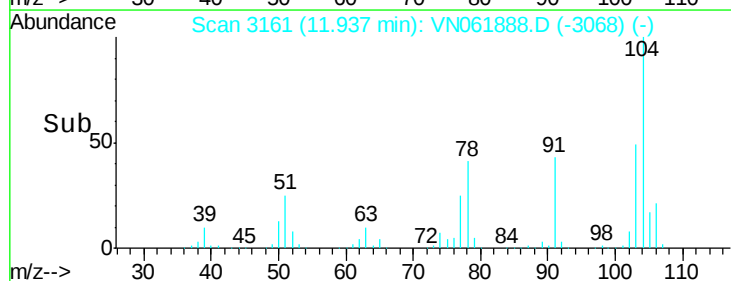
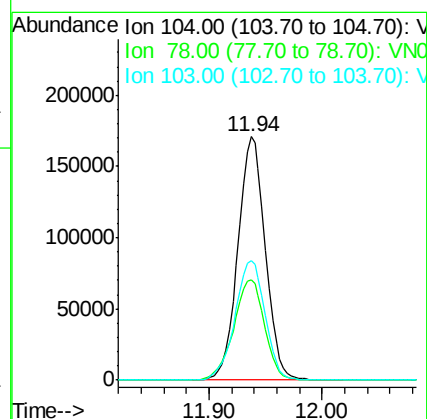
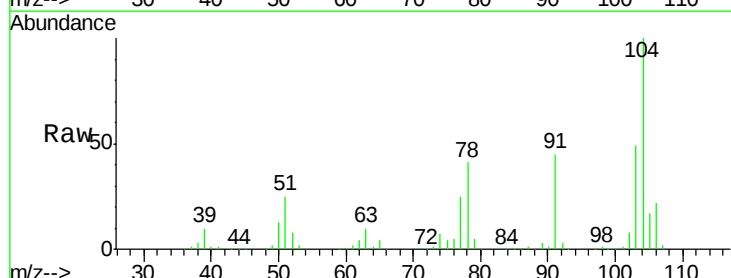
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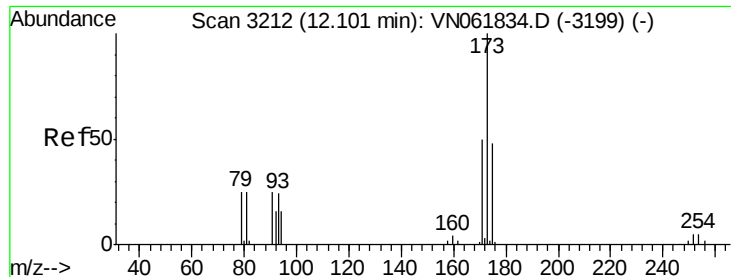
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#70
Styrene
Concen: 49.948 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		288242		
78	46.4	37.6	56.4		
103	54.0	43.0	64.4		





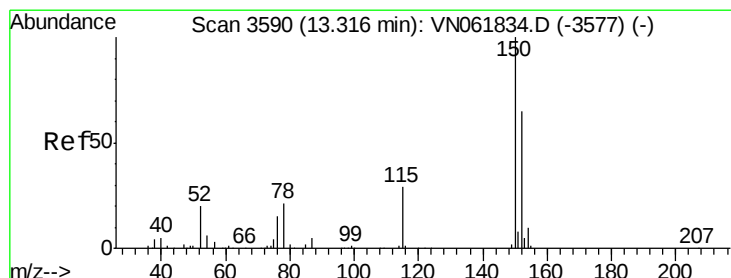
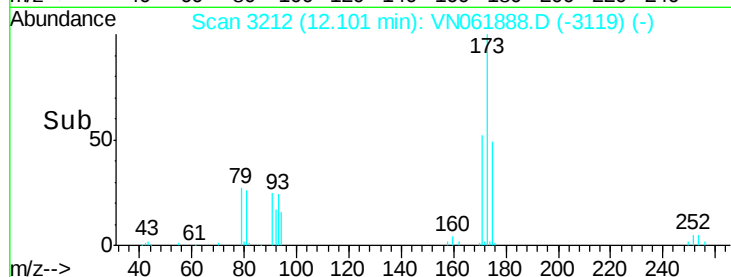
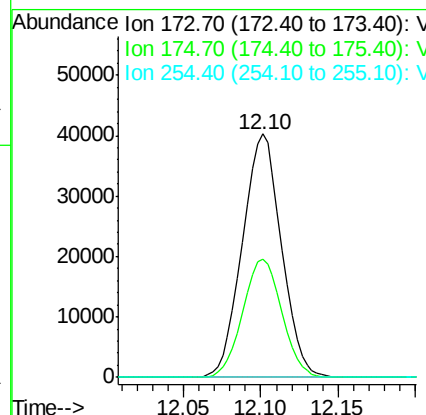
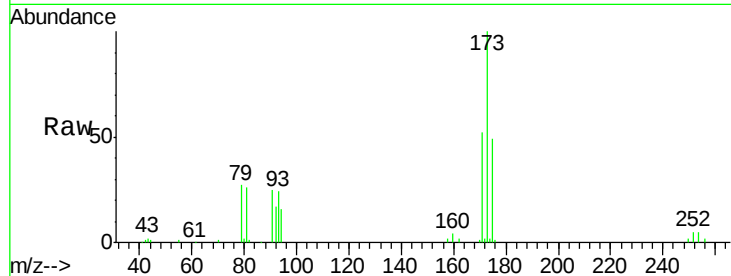
#71
Bromoform
Concen: 49.797 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.7
254	0.0	0.0	0.0

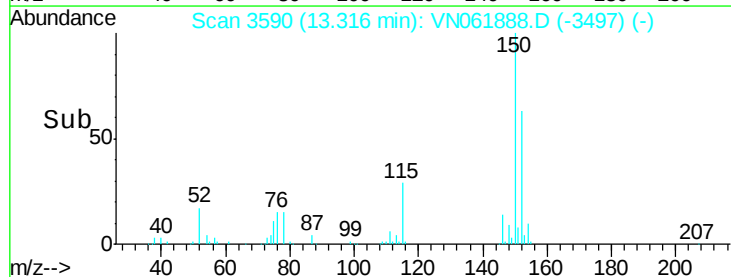
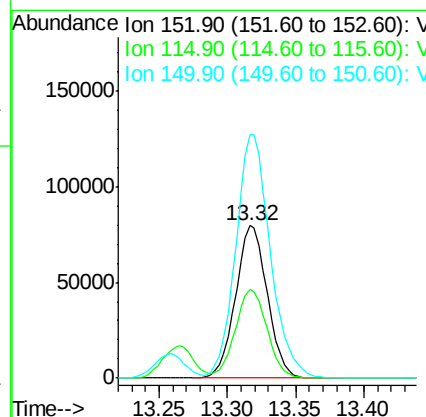
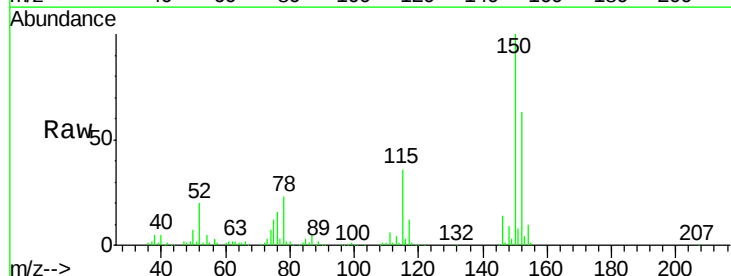
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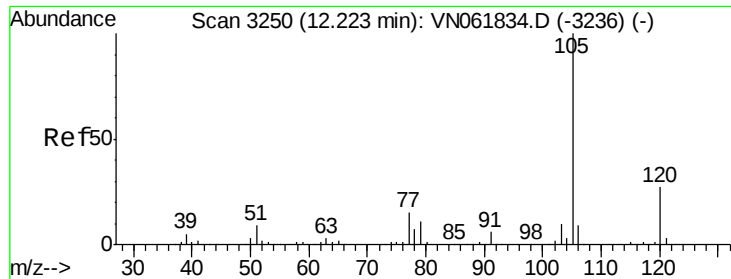
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.1	87.3
150	174.6	0.0	347.6





#73

Isopropylbenzene

Concen: 48.272 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 439915

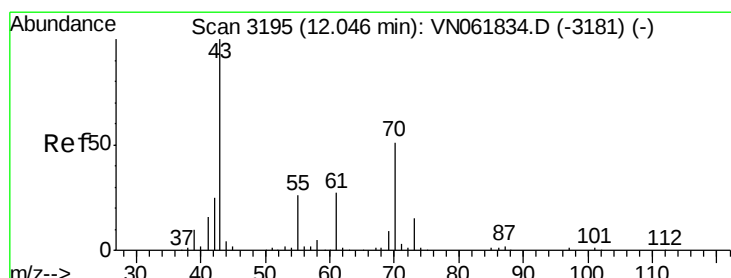
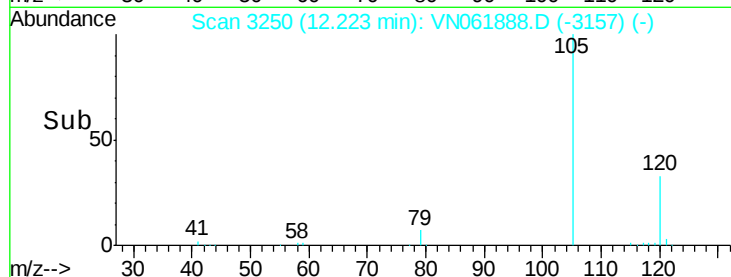
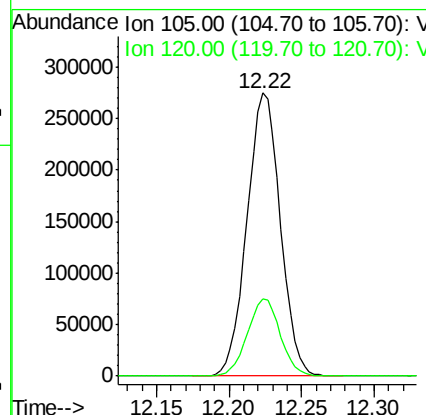
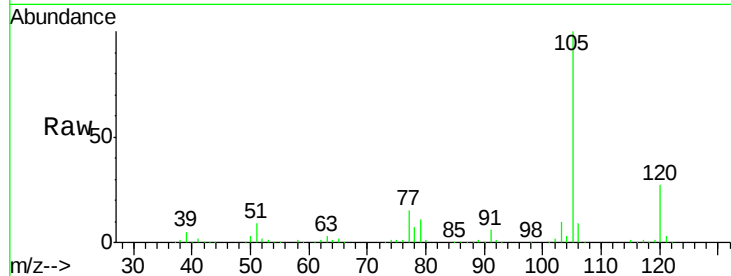
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 45.204 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion: 43 Resp: 148153

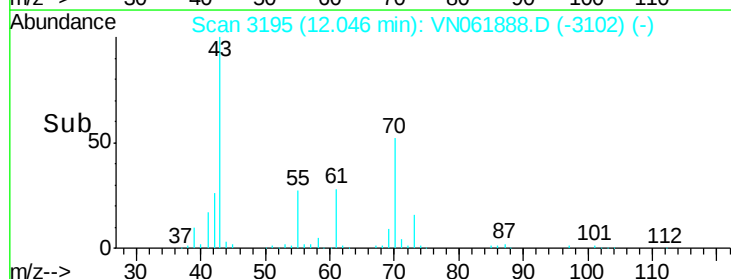
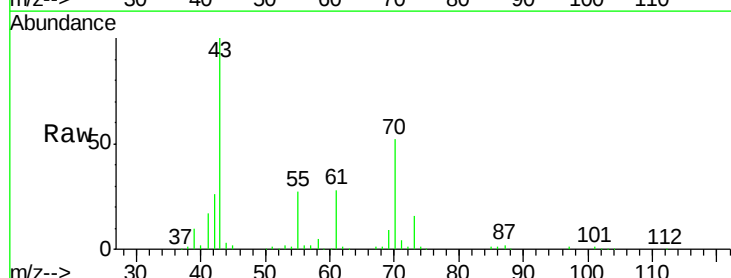
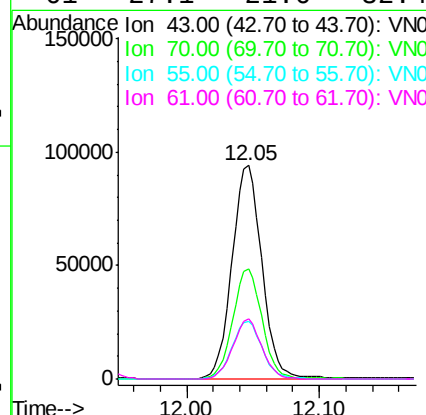
Ion Ratio Lower Upper

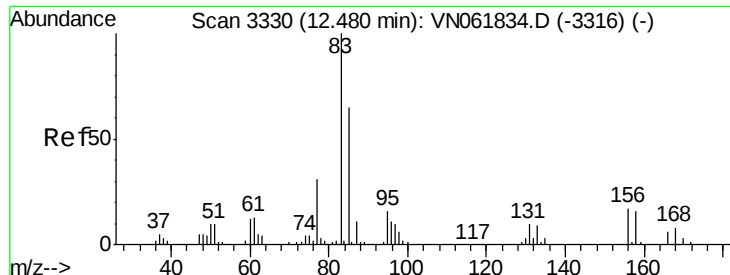
43 100

70 50.3 40.6 60.8

55 27.2 21.5 32.3

61 27.1 21.6 32.4





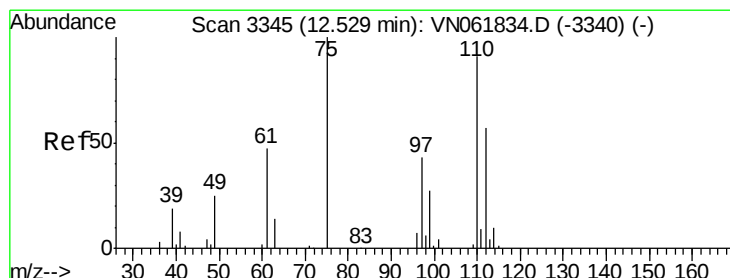
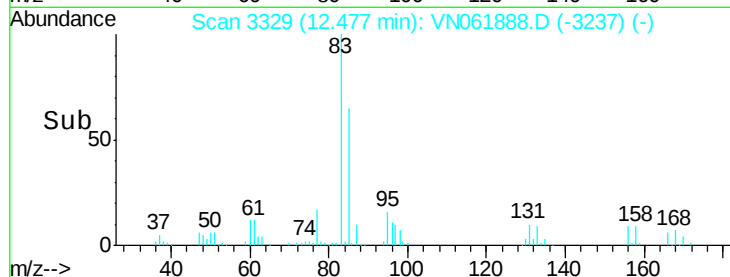
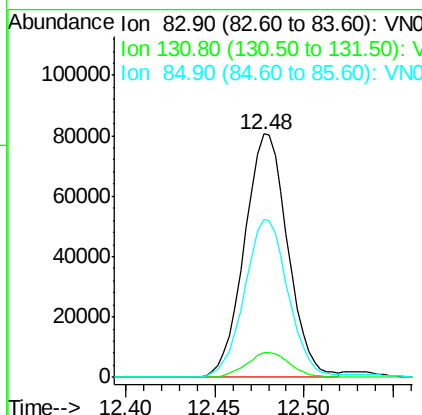
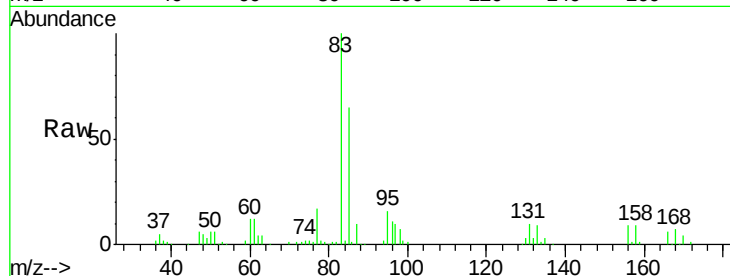
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.208 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	136912
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	65.1	32.4	97.2

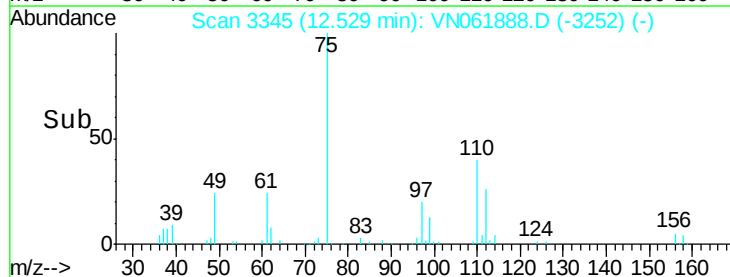
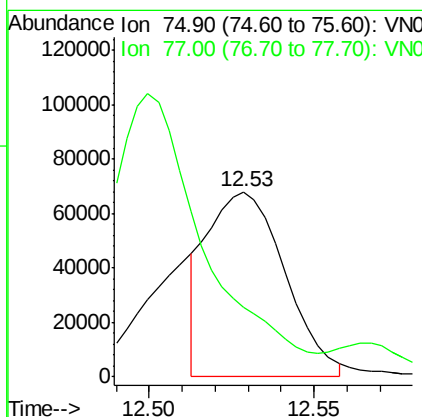
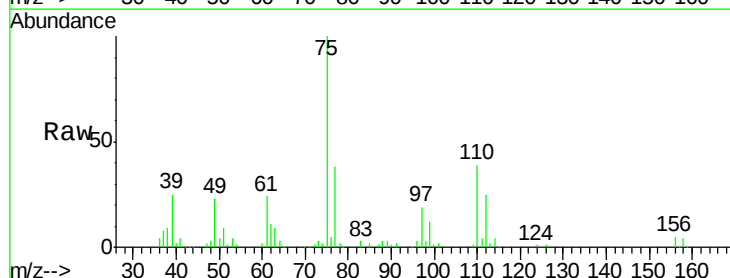
Manual Integrations
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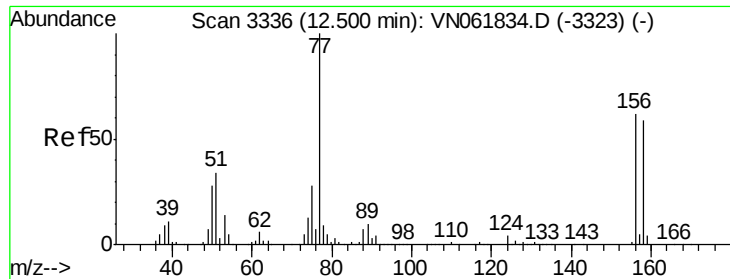
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 6/18/2020 9:37:13 AM



#76
 1,2,3-Trichloropropane
 Concen: 44.438 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	75	Resp	111884
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





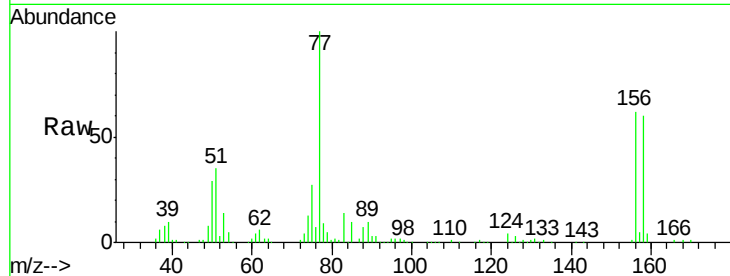
#77
Bromobenzene
Concen: 47.287 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.9	100.7	302.1
158	96.8	48.5	145.5

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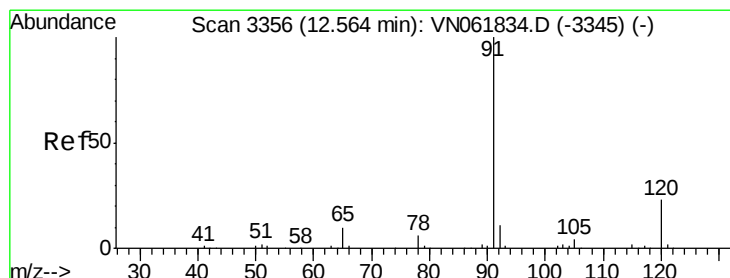
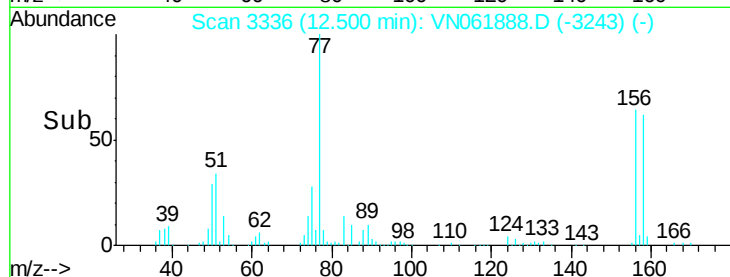
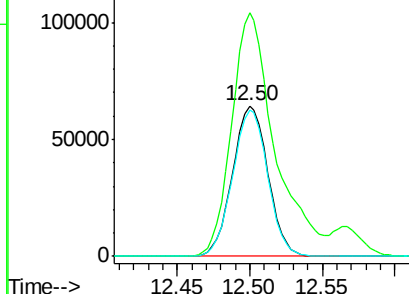
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Abundance Ion 155.80 (155.50 to 156.50): V

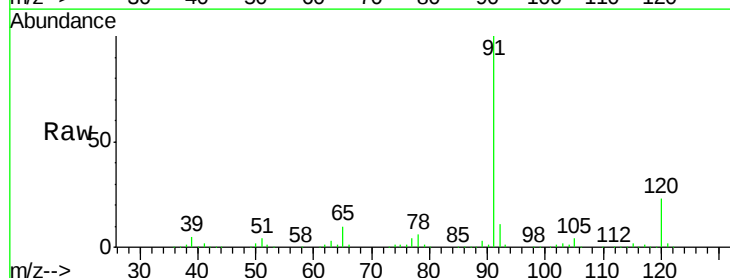
Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



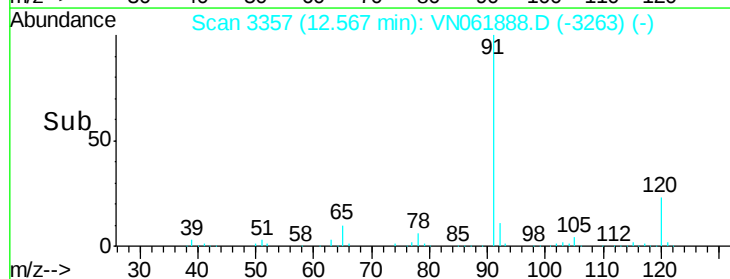
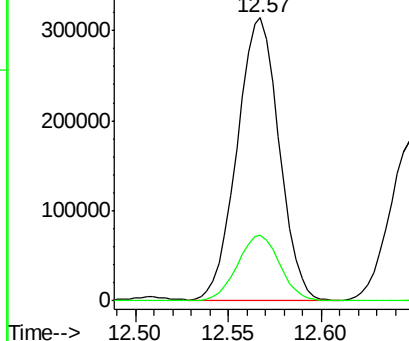
#78
n-propylbenzene
Concen: 47.440 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

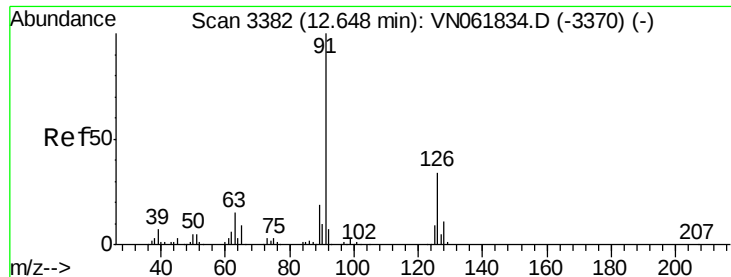
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.117 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 294260

Ion Ratio Lower Upper

91 100

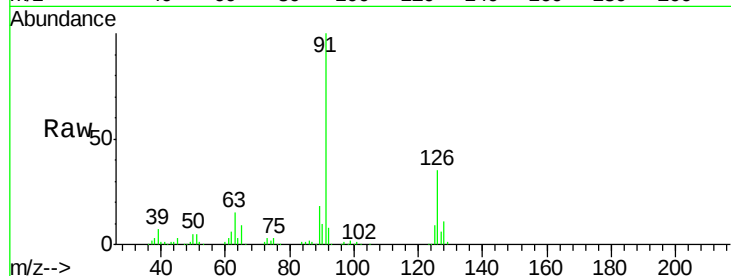
126 35.1 17.3 51.7

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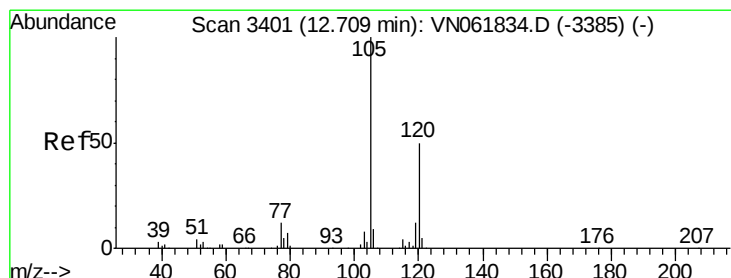
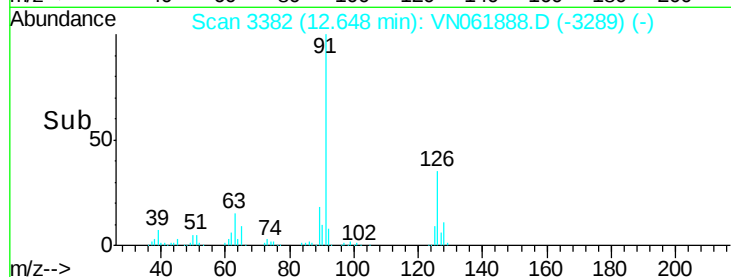
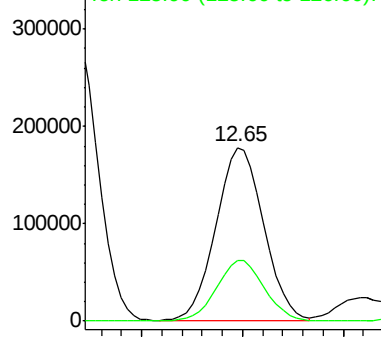
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.456 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061888.D

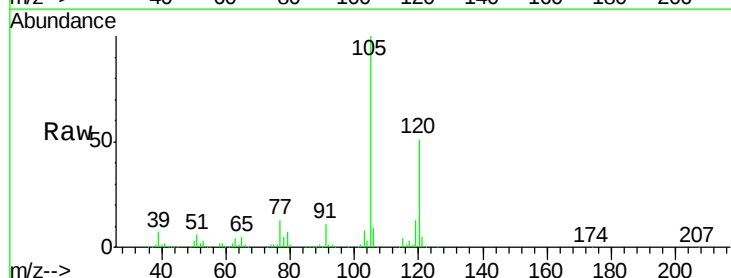
Acq: 18 Jun 2020 7:53

Tgt Ion: 105 Resp: 365342

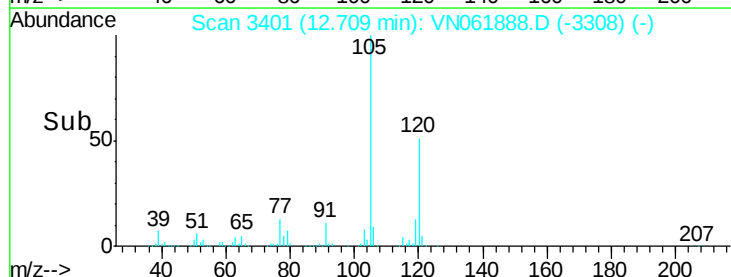
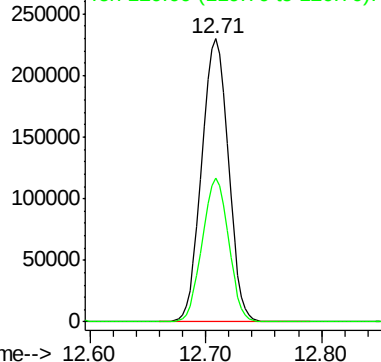
Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 43.026 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

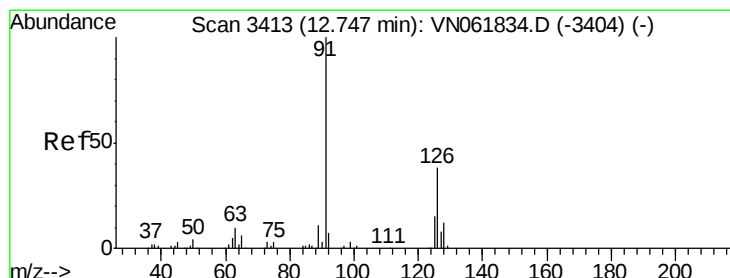
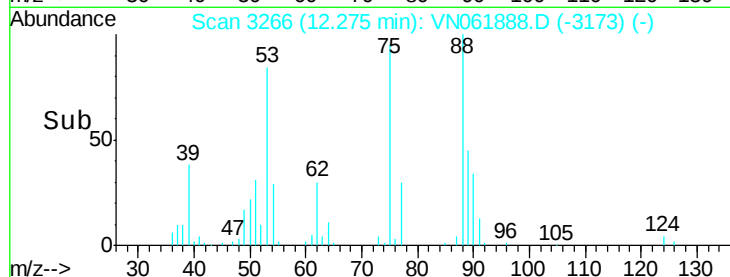
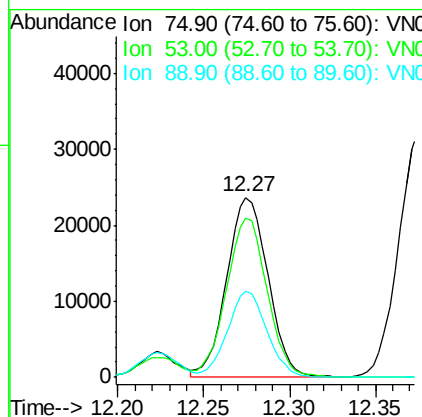
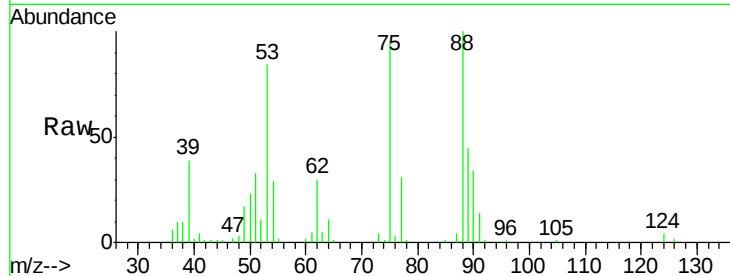
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	39719
Ion	Ratio	Lower	Upper
75	100		
53	87.8	70.4	105.6
89	45.8	36.0	54.0

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#82

4-Chlorotoluene

Concen: 46.892 ug/l

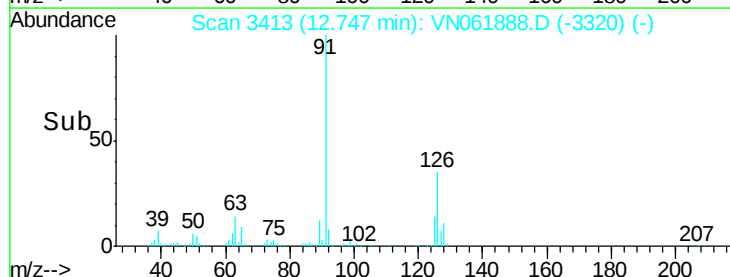
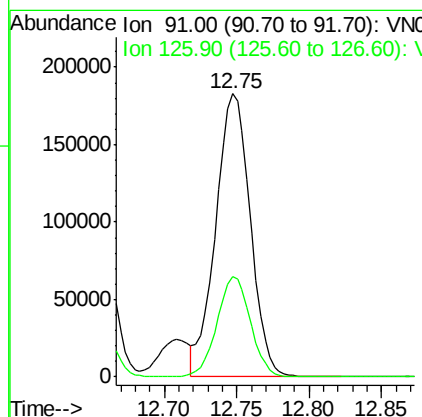
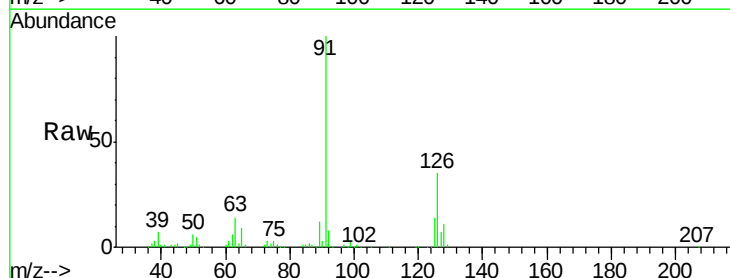
RT: 12.75 min Scan# 3413

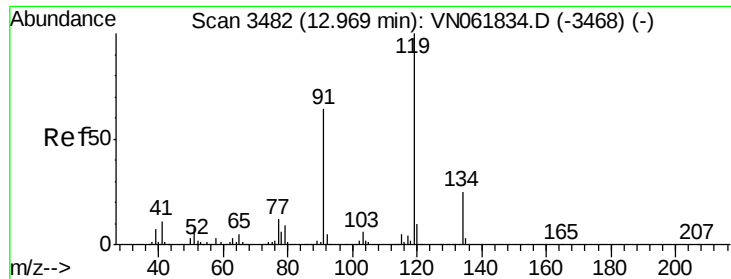
Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Tgt Ion:	91	Resp:	302609
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





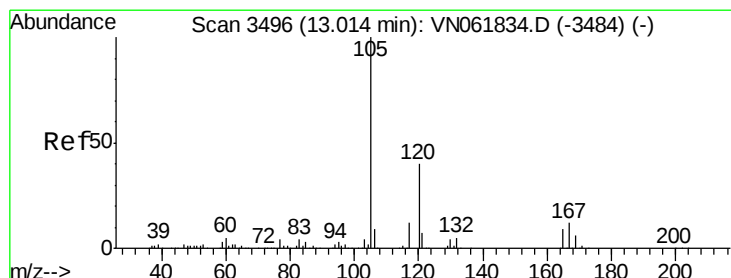
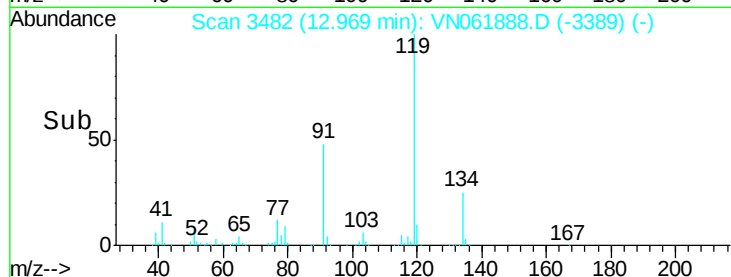
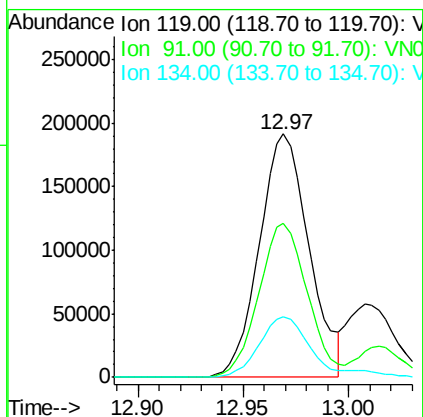
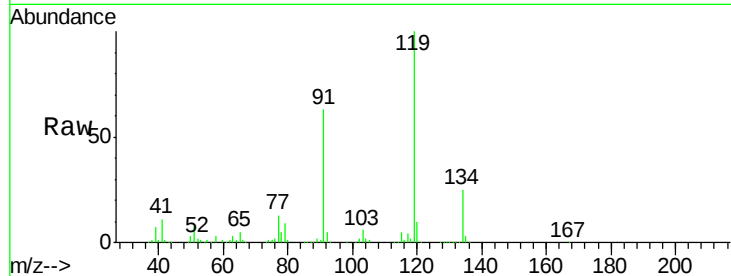
#83
tert-Butylbenzene
Concen: 49.141 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.5	94.5
134	24.8	13.3	39.9

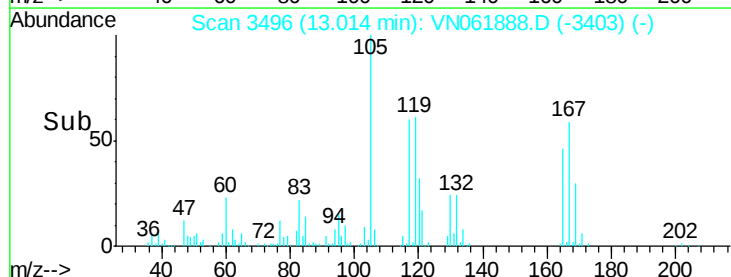
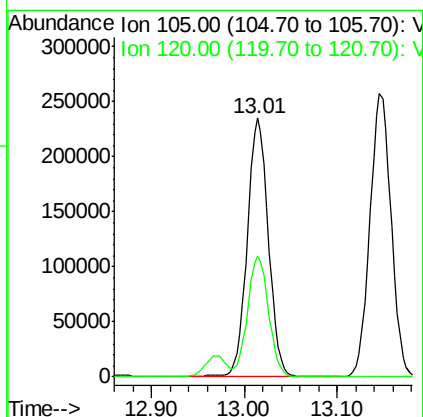
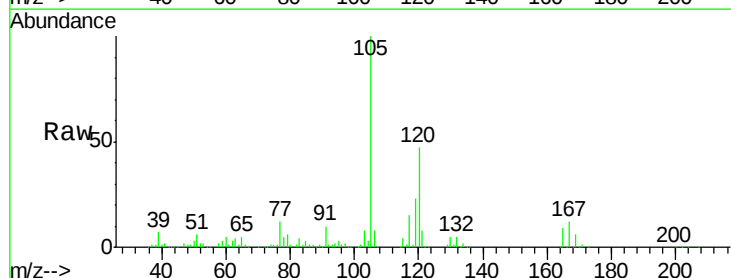
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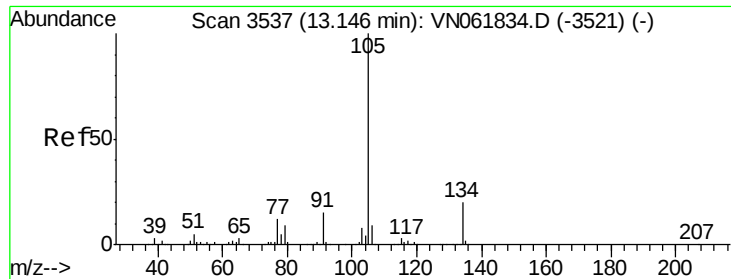
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#84
1,2,4-Trimethylbenzene
Concen: 49.771 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.9





#85

sec-Butylbenzene

Concen: 48.763 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 407961

Ion Ratio Lower Upper

105 100

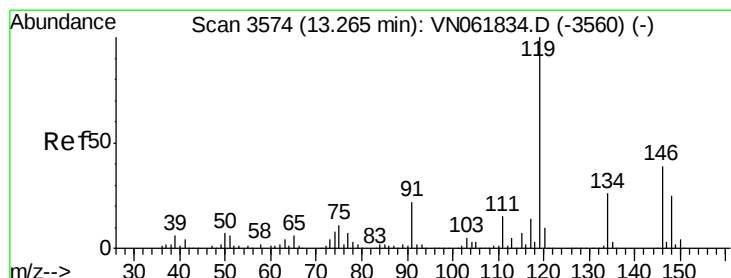
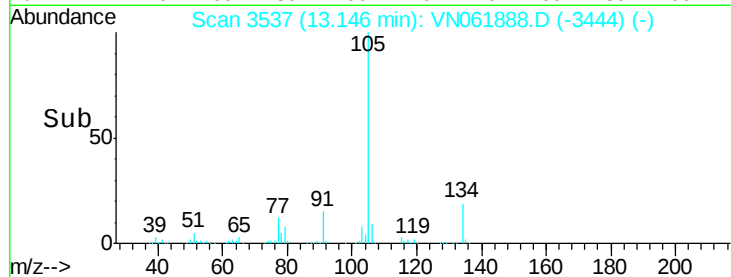
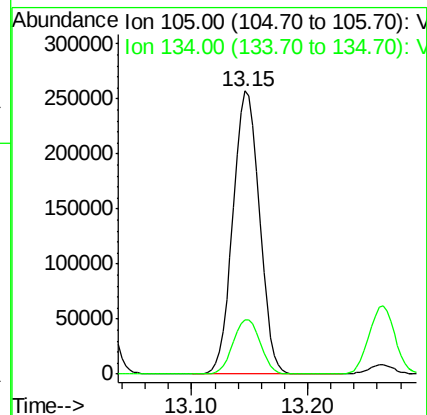
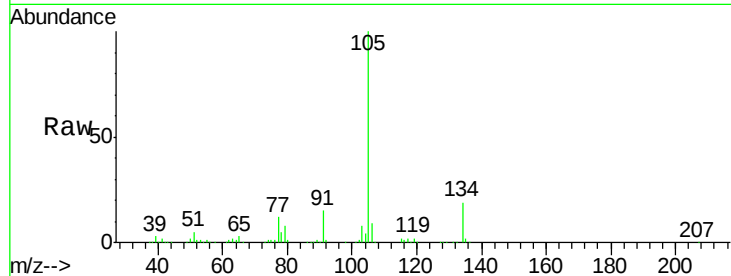
134 19.8 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 49.100 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061888.D

Acq: 18 Jun 2020 7:53

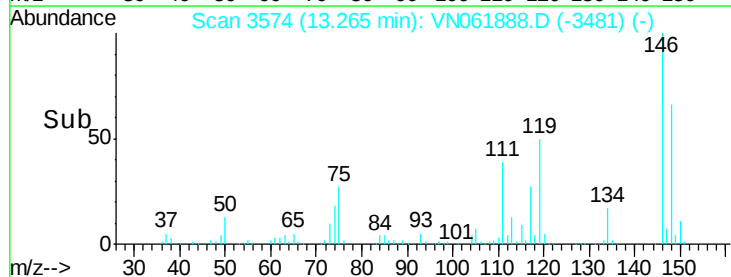
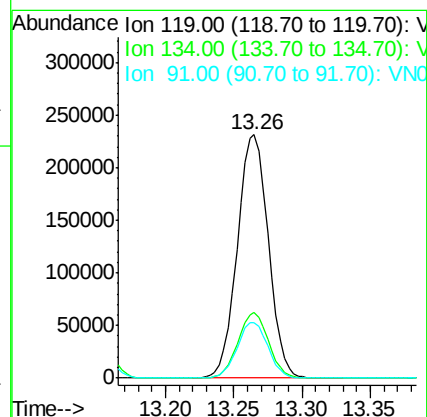
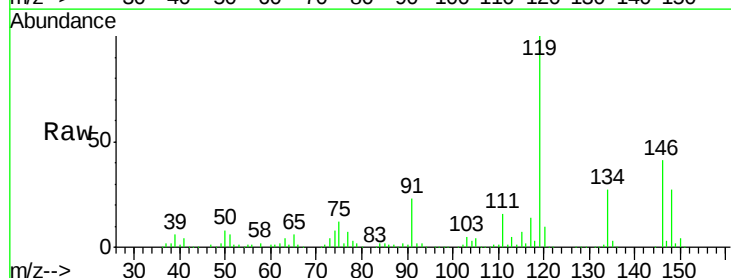
Tgt Ion:119 Resp: 366041

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.7 11.2 33.6





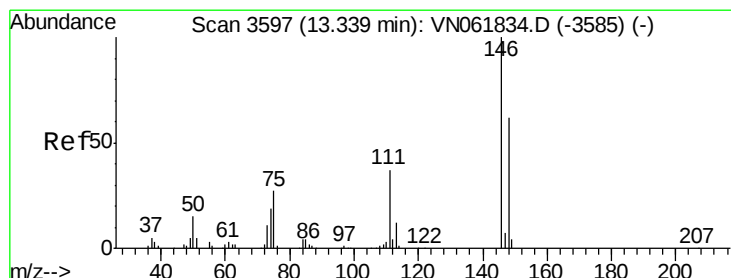
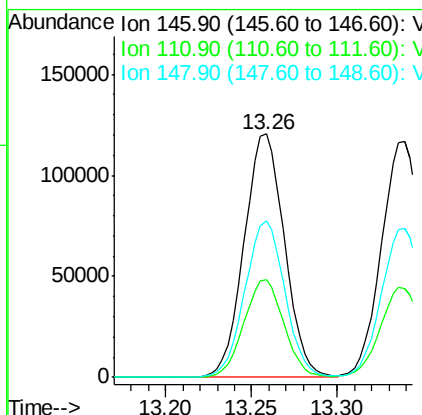
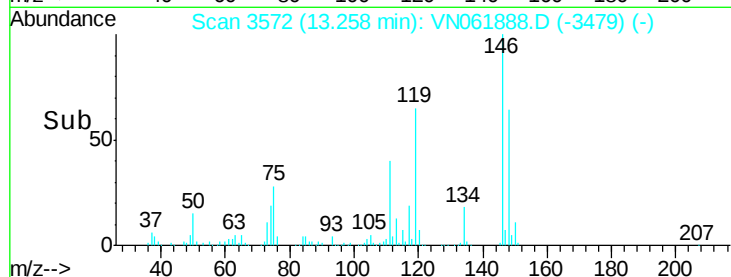
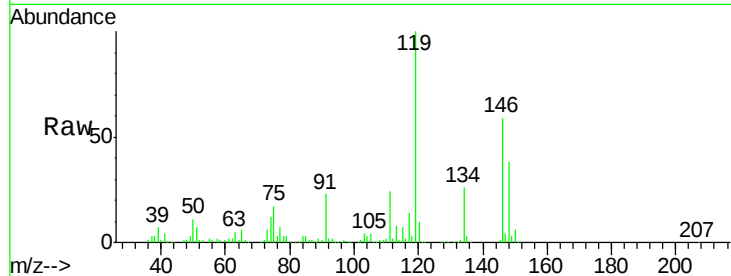
#87
 1,3-Dichlorobenzene
 Concen: 46.977 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196989		
111	39.6	19.6	58.8	
148	63.7	31.8	95.4	

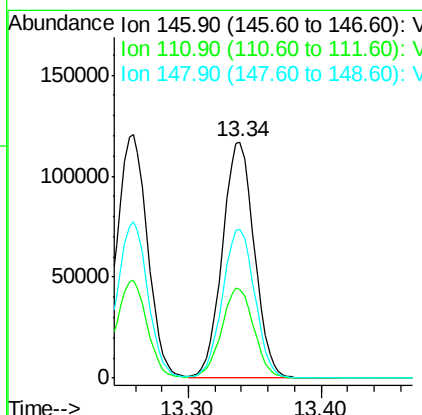
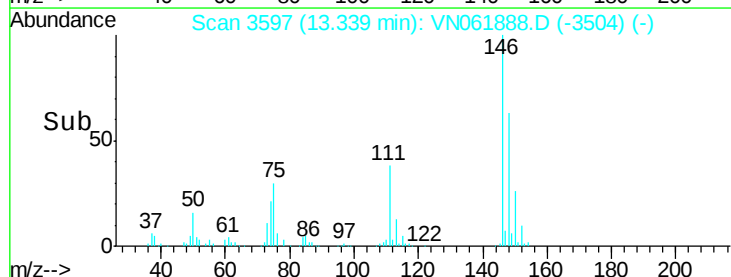
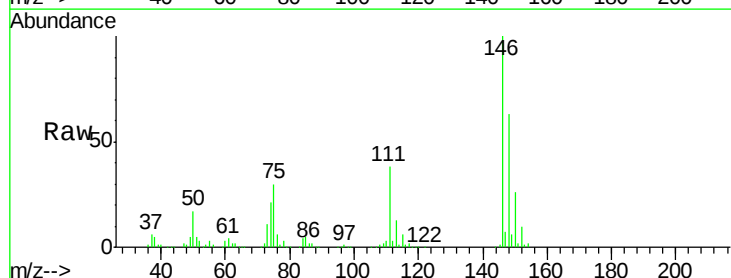
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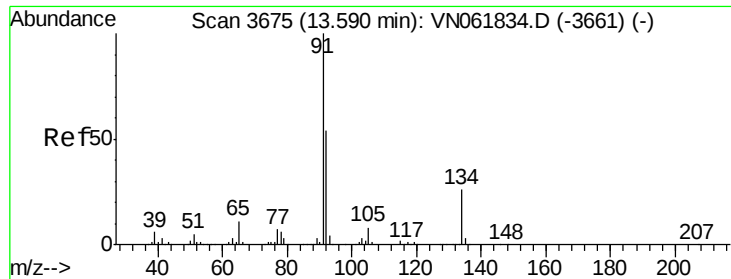
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#88
 1,4-Dichlorobenzene
 Concen: 45.656 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195971		
111	38.6	19.3	57.8	
148	63.8	31.6	94.7	





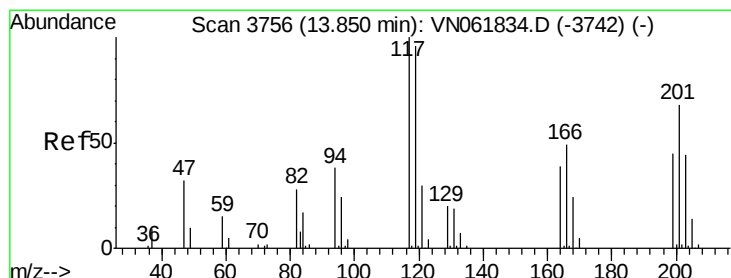
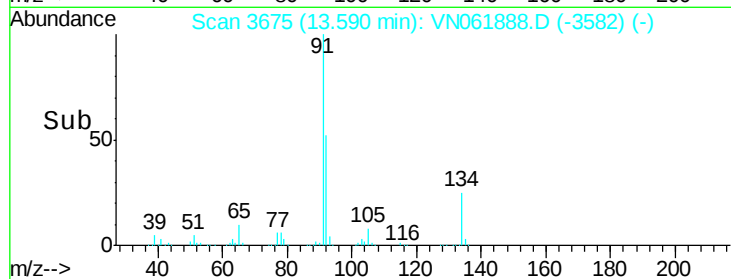
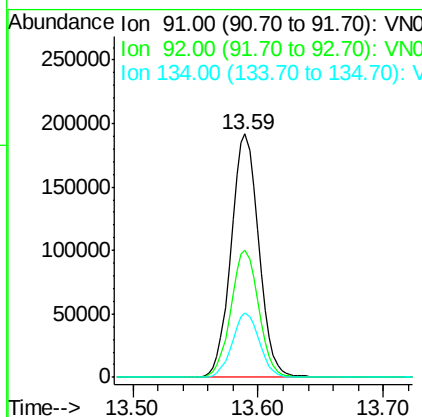
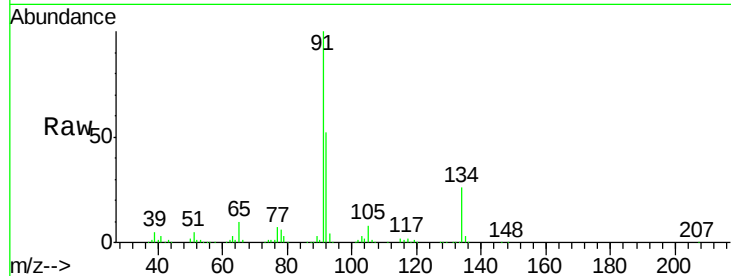
#89
n-Butylbenzene
Concen: 47.168 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.0	80.8
134	26.0	13.0	39.0

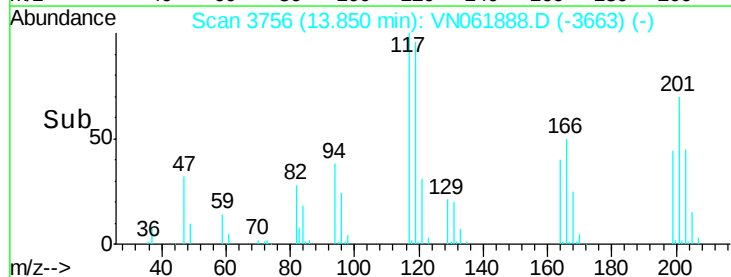
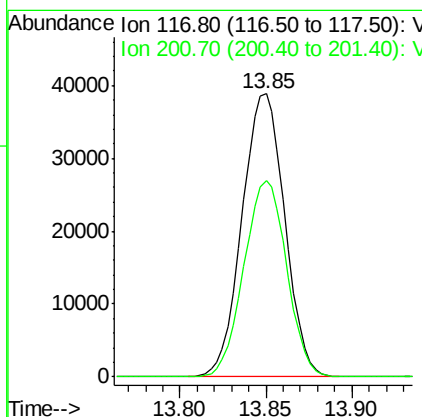
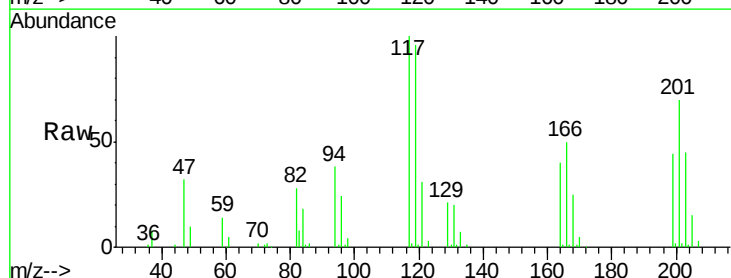
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#90
Hexachloroethane
Concen: 49.132 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.6	103.8





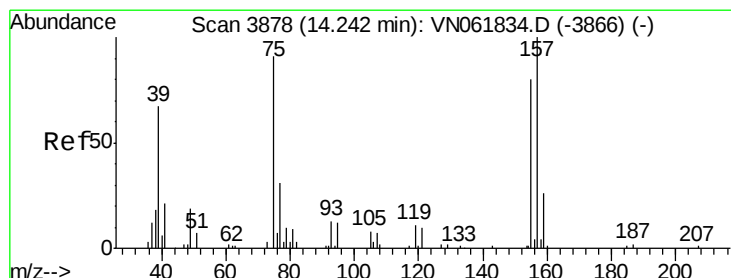
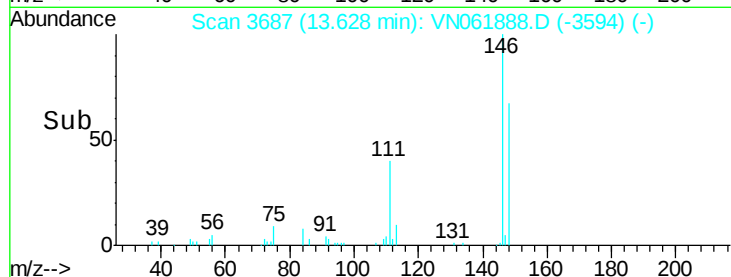
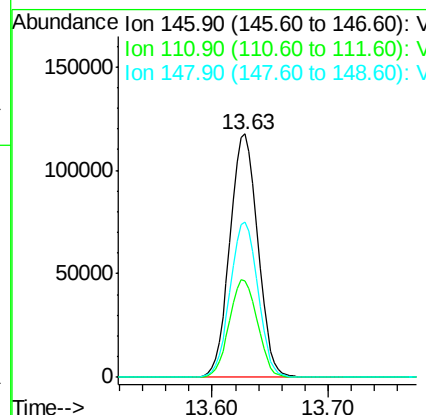
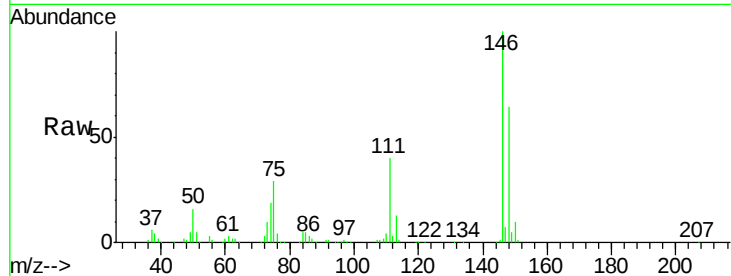
#91
 1,2-Dichlorobenzene
 Concen: 48.480 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.2
148	63.7	31.8	95.4

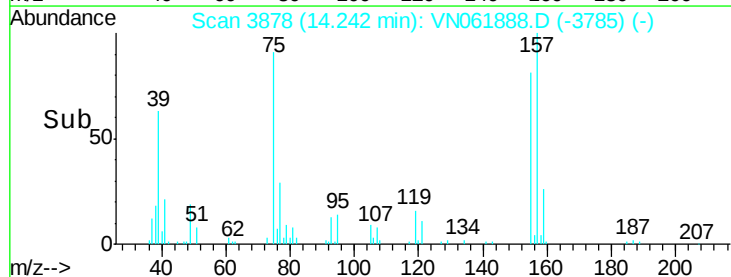
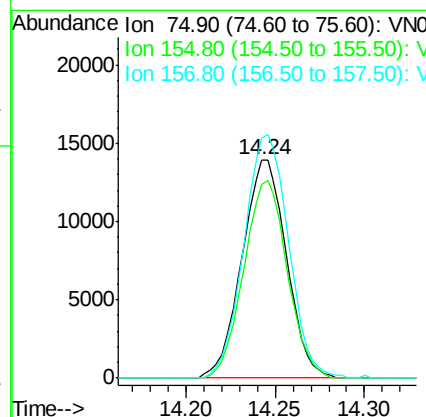
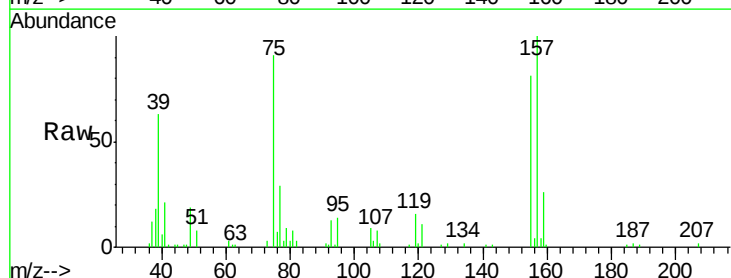
Manual Integrations
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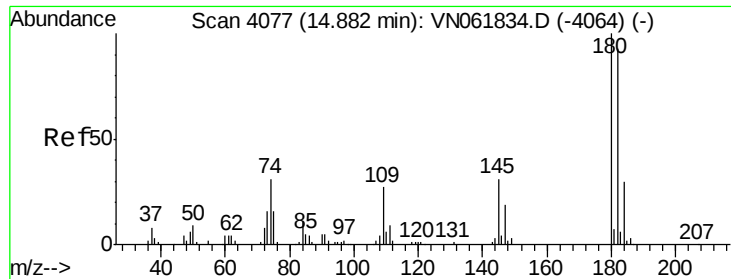
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.367 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.4	133.2
157	111.8	57.0	171.2





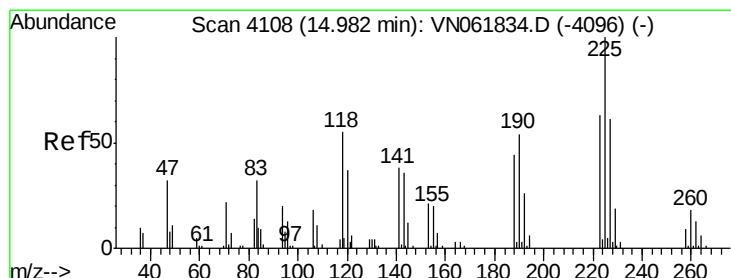
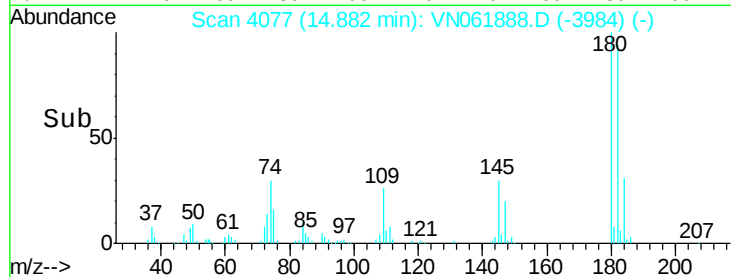
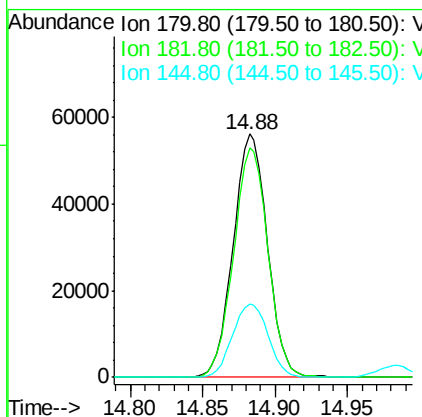
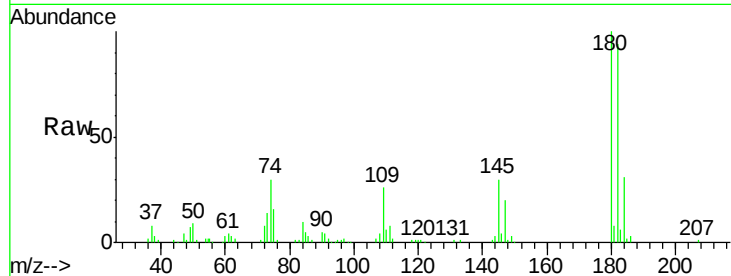
#93
 1,2,4-Trichlorobenzene
 Concen: 48.267 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.2
145	31.3	15.8	47.3

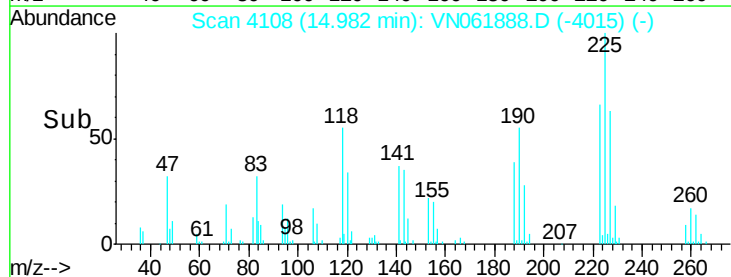
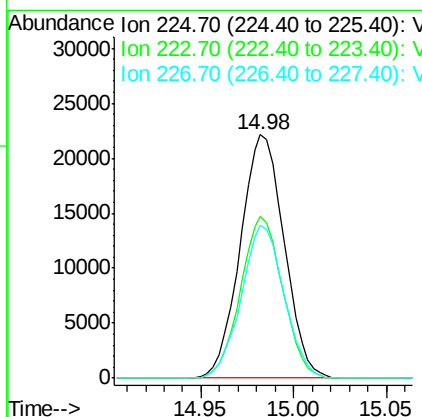
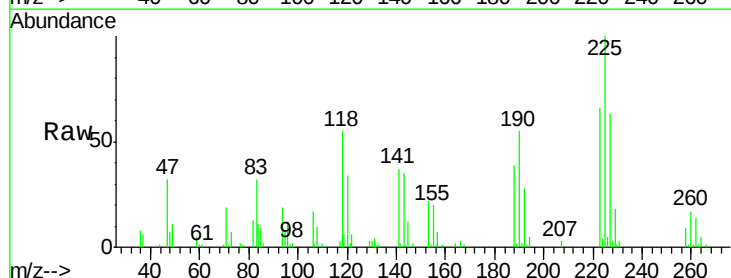
Manual Integrations
 APPROVED

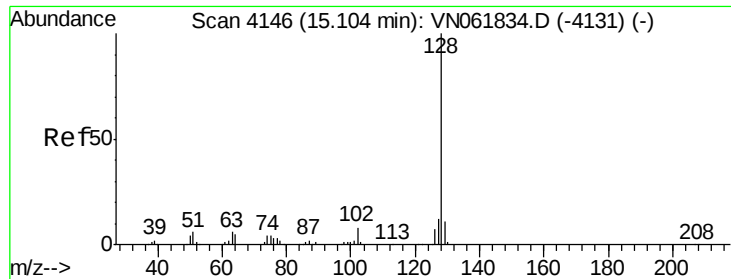
MMDadoda
 6/18/2020 9:37:13 AM



#94
 Hexachlorobutadiene
 Concen: 48.376 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061888.D
 Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.7	95.1
227	61.0	30.1	90.3





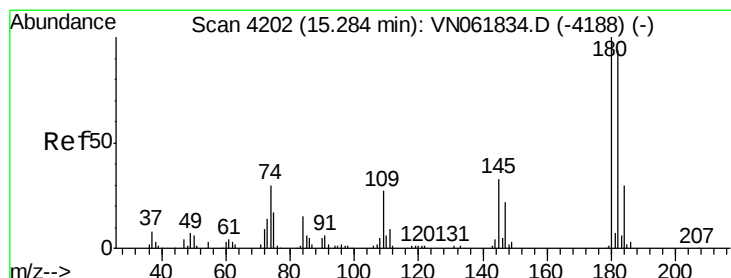
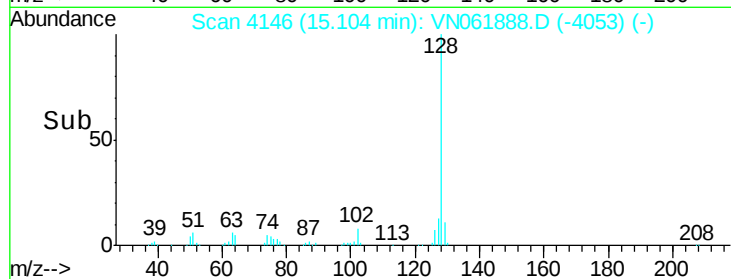
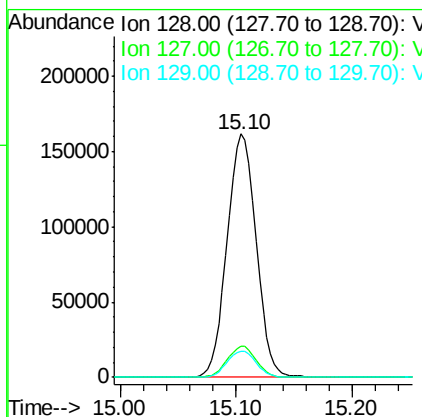
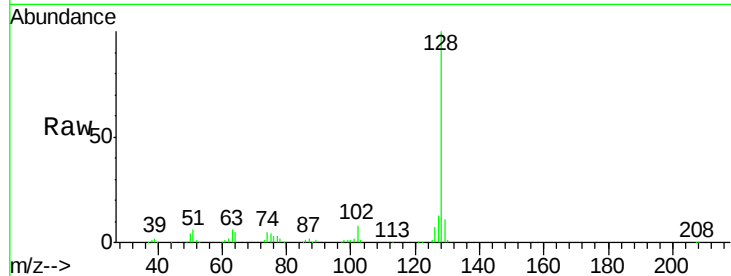
#95
Naphthalene
Concen: 44.371 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 49.265 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061888.D
Acq: 18 Jun 2020 7:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	33.3	16.5	49.5

