

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062054.D
 Acq On : 23 Jun 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:22 AM

Quant Time: Jun 24 02:27:34 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	161437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	283292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	269624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114330	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.55	113	93412	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.06	98	363323	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.38	95	127761	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96269	45.855	ug/l	97
3) Chloromethane	2.03	50	96118	42.894	ug/l	100
4) Vinyl Chloride	2.16	62	122400	45.819	ug/l	99
5) Bromomethane	2.52	94	73504	35.831	ug/l	94
6) Chloroethane	2.66	64	85525	47.306	ug/l	99
7) Trichlorofluoromethane	2.97	101	156453	49.031	ug/l	97
8) Diethyl Ether	3.37	74	58531	54.563	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81996	50.089	ug/l	98
10) Methyl Iodide	3.91	142	91006	46.482	ug/l	99
11) Tert butyl alcohol	4.73	59	85089	284.002	ug/l	98
12) 1,1-Dichloroethene	3.69	96	79726	48.605	ug/l	98
13) Acrolein	3.56	56	38536	215.204	ug/l	99
14) Allyl chloride	4.27	41	115879	53.229	ug/l	99
15) Acrylonitrile	4.93	53	225552	303.824	ug/l	99
16) Acetone	3.77	43	173196	270.816	ug/l	100
17) Carbon Disulfide	4.00	76	180948	37.702	ug/l	100
18) Methyl Acetate	4.28	43	109012	59.206	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	299193	54.783	ug/l	97
20) Methylene Chloride	4.50	84	101236	48.587	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	89419	47.461	ug/l	98
22) Diisopropyl ether	5.90	45	277853	55.806	ug/l	100
23) Vinyl Acetate	5.84	43	1104911	282.157	ug/l	97
24) 1,1-Dichloroethane	5.80	63	172336	52.876	ug/l	99
25) 2-Butanone	6.79	43	278684	298.671	ug/l	99
26) 2,2-Dichloropropane	6.77	77	134016	48.873	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	109457	50.350	ug/l	97
28) Bromochloromethane	7.15	49	79738	54.947	ug/l	92
29) Tetrahydrofuran	7.17	42	182349	296.953	ug/l	98
30) Chloroform	7.33	83	180068	51.695	ug/l	99
31) Cyclohexane	7.61	56	128791	45.139	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	148351	50.009	ug/l	99
36) 1,1-Dichloropropene	7.75	75	126775	49.063	ug/l	98
37) Ethyl Acetate	6.88	43	118688	58.820	ug/l	99
38) Carbon Tetrachloride	7.73	117	124767	48.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	132430	47.597	ug/l	99
40) Benzene	8.00	78	397297	50.758	ug/l	96
41) Methacrylonitrile	7.13	41	57363	66.482	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	139465	52.256	ug/l	99
43) Isopropyl Acetate	8.13	43	200379	58.927	ug/l #	89
44) Trichloroethene	8.80	130	98748	47.937	ug/l	99
45) 1,2-Dichloropropane	9.09	63	103074	53.585	ug/l	100
46) Dibromomethane	9.18	93	70471	52.025	ug/l	96
47) Bromodichloromethane	9.37	83	144659	52.154	ug/l	98
48) Methyl methacrylate	9.17	41	88495	57.226	ug/l	97
49) 1,4-Dioxane	9.17	88	40682	1145.849	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	609497	303.314	ug/l	99
52) Toluene	10.12	92	254871	51.847	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	157143	53.369	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	168924	52.819	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	107265	55.459	ug/l	98
56) Ethyl methacrylate	10.40	69	152678	51.582	ug/l	98
57) 1,3-Dichloropropane	10.68	76	179543	54.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	307409	301.157	ug/l	96
59) 2-Hexanone	10.72	43	443339	274.755	ug/l	100
60) Dibromochloromethane	10.87	129	113713	52.689	ug/l	100
61) 1,2-Dibromoethane	10.98	107	106209	52.589	ug/l	100
64) Tetrachloroethene	10.60	164	80412	46.792	ug/l	99
65) Chlorobenzene	11.41	112	276104	48.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	101950	51.380	ug/l	99
67) Ethyl Benzene	11.48	91	493211	51.705	ug/l	99
68) m/p-Xylenes	11.60	106	379558	103.191	ug/l	98
69) o-Xylene	11.92	106	182895	52.114	ug/l	96
70) Styrene	11.94	104	316960	53.938	ug/l	100
71) Bromoform	12.10	173	76039	52.557	ug/l #	98
73) Isopropylbenzene	12.22	105	489158	52.145	ug/l	100
74) N-amyl acetate	12.05	43	179123	52.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	163692	53.671	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	147468m	56.900	ug/l	
77) Bromobenzene	12.50	156	118682	50.148	ug/l	96
78) n-propylbenzene	12.57	91	562641	52.564	ug/l	99
79) 2-Chlorotoluene	12.65	91	332548	51.729	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	405020	52.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51224	53.907	ug/l	99
82) 4-Chlorotoluene	12.75	91	345103	51.951	ug/l	97
83) tert-Butylbenzene	12.97	119	345842	52.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	417293	54.469	ug/l	99
85) sec-Butylbenzene	13.15	105	458482	53.239	ug/l	99
86) p-Isopropyltoluene	13.26	119	408464	53.228	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	212244	49.171	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	210819	47.714	ug/l	99
89) n-Butylbenzene	13.59	91	339714	53.008	ug/l	99
90) Hexachloroethane	13.85	117	76324	54.334	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	210247	50.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	27930	56.409	ug/l	95

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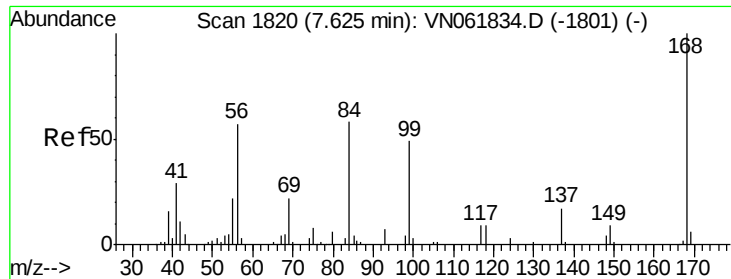
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	96616	49.272	ug/l	100
94) Hexachlorobutadiene	14.99	225	39664	51.358	ug/l	99
95) Naphthalene	15.11	128	302628	46.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	98302	50.620	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: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 161437

Ion Ratio Lower Upper

168 100

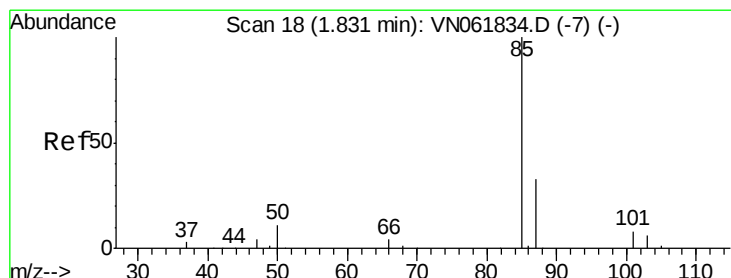
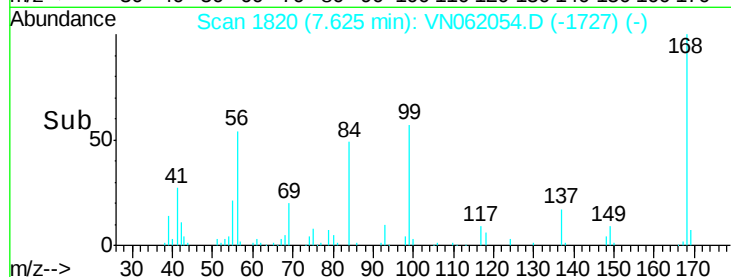
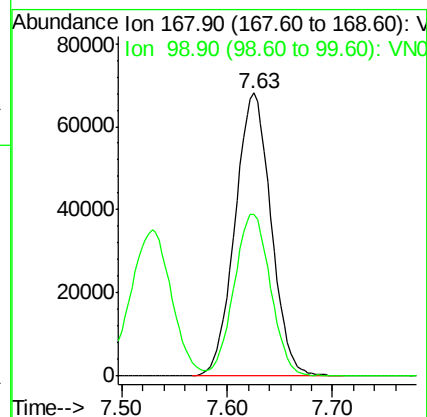
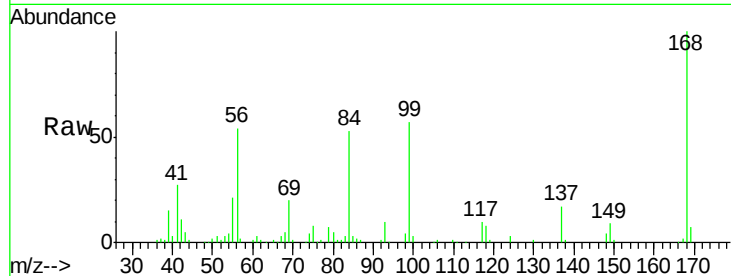
99 57.1 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.855 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062054.D

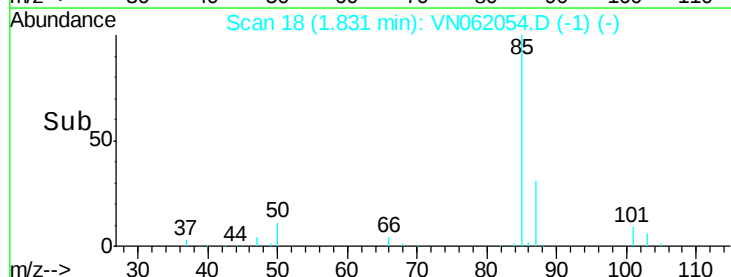
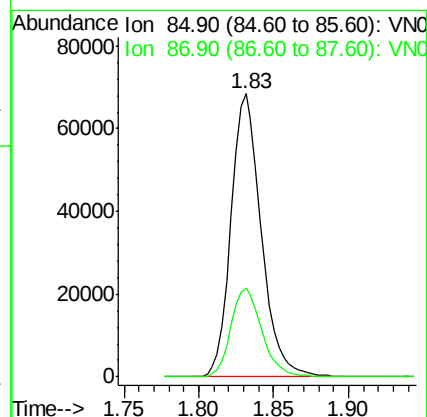
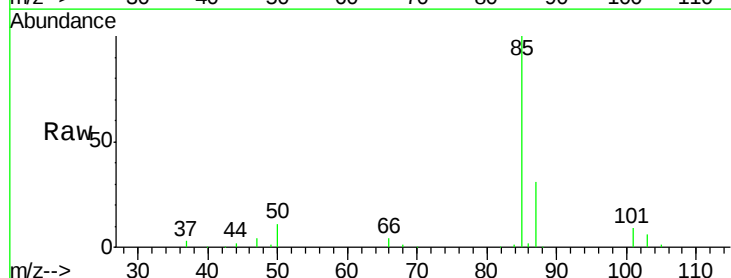
Acq: 23 Jun 2020 20:14

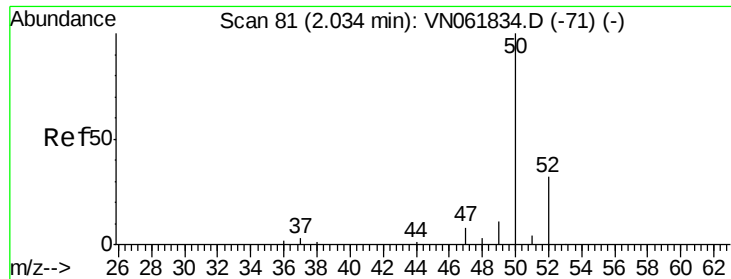
Tgt Ion: 85 Resp: 96269

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.8





#3

Chloromethane

Concen: 42.894 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96118

Ion Ratio Lower Upper

50 100

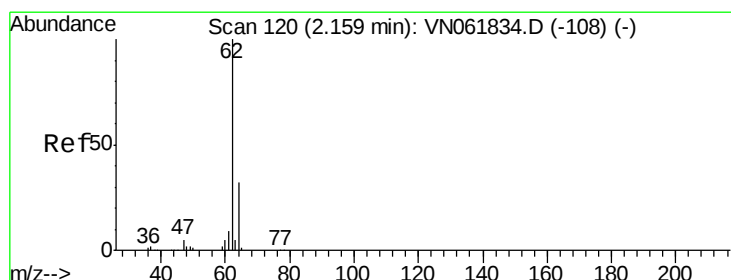
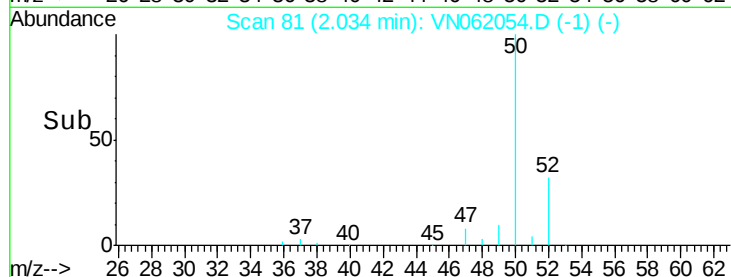
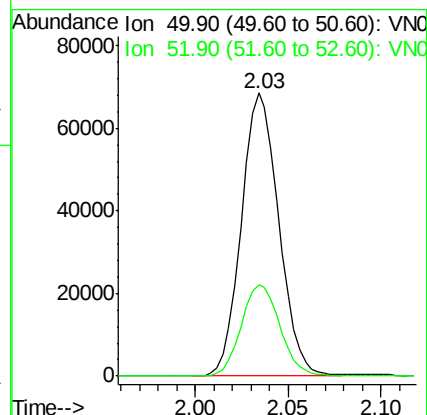
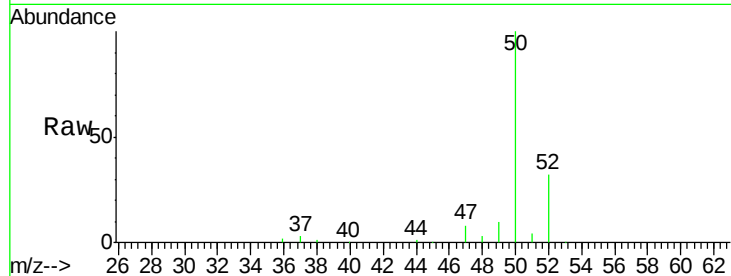
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.819 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062054.D

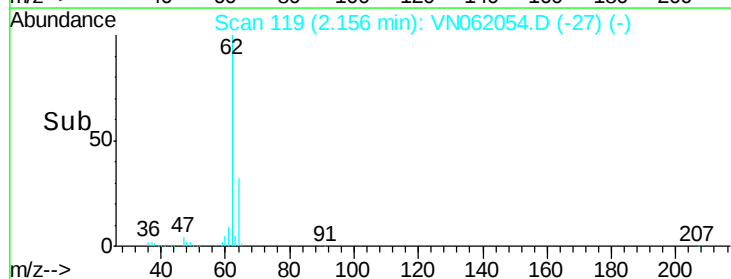
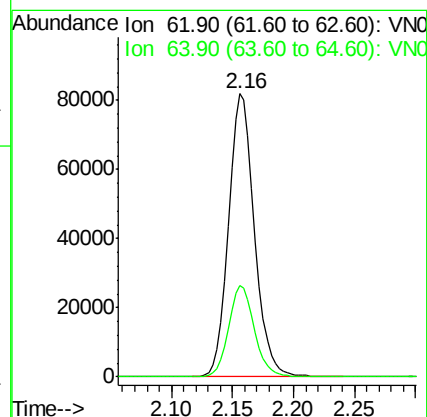
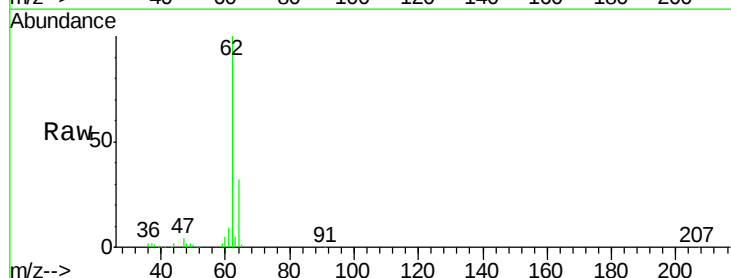
Acq: 23 Jun 2020 20:14

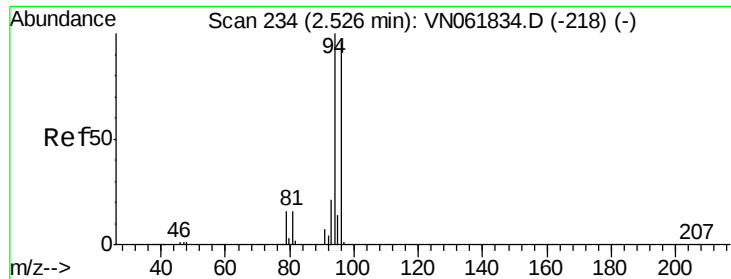
Tgt Ion: 62 Resp: 122400

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 35.831 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73504

Ion Ratio Lower Upper

94 100

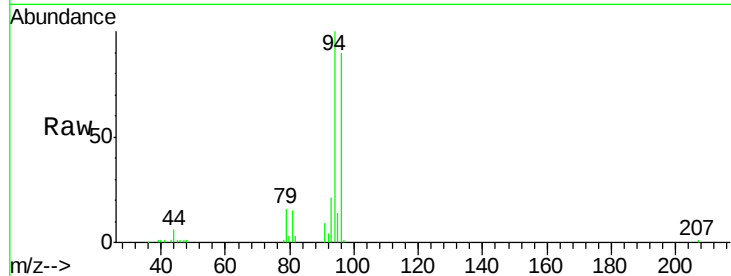
96 90.0 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN061834.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN061834.D (-218) (-)

2.52

40000

30000

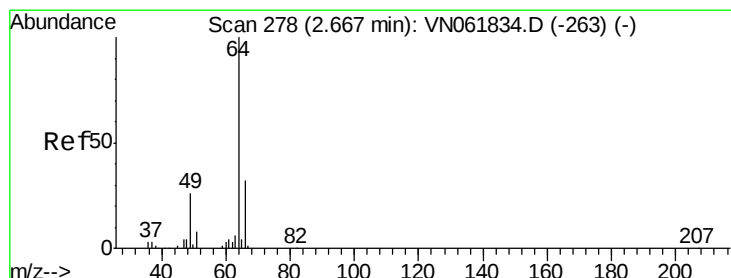
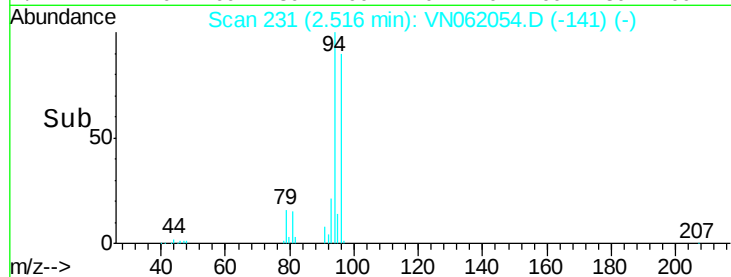
20000

10000

0

2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 47.306 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN062054.D

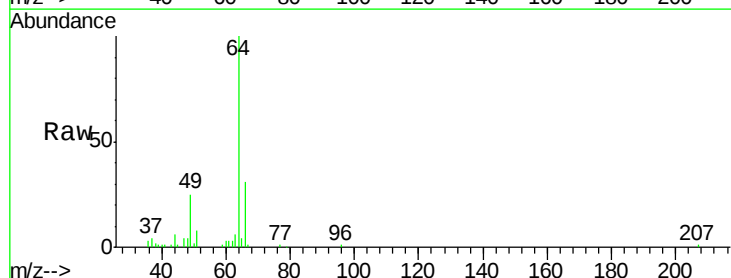
Acq: 23 Jun 2020 20:14

Tgt Ion: 64 Resp: 85525

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN061834.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN061834.D (-263) (-)

2.66

40000

30000

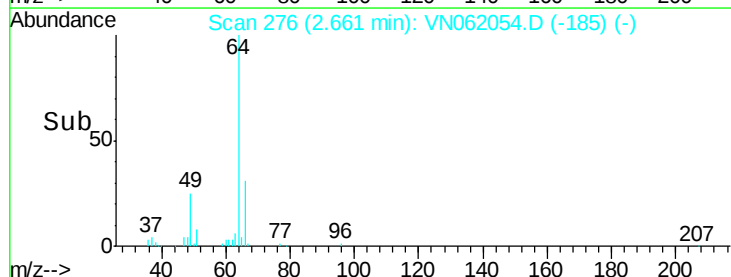
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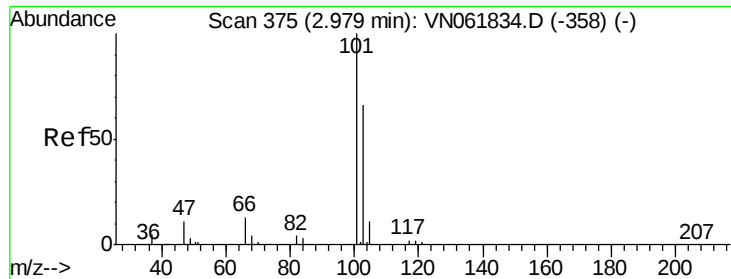
10000

0

2.60 2.70 2.80

Time-->





#7

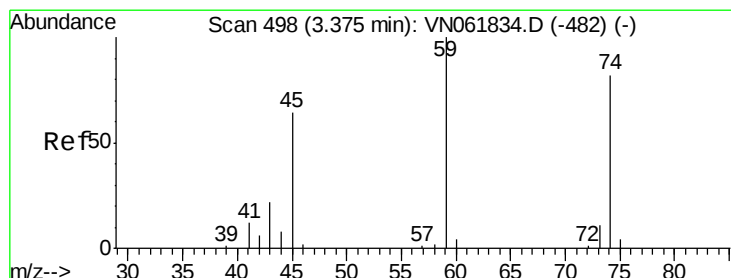
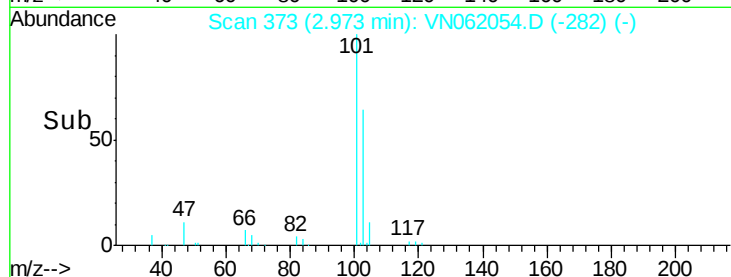
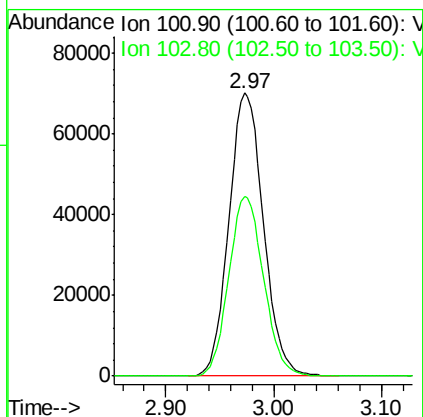
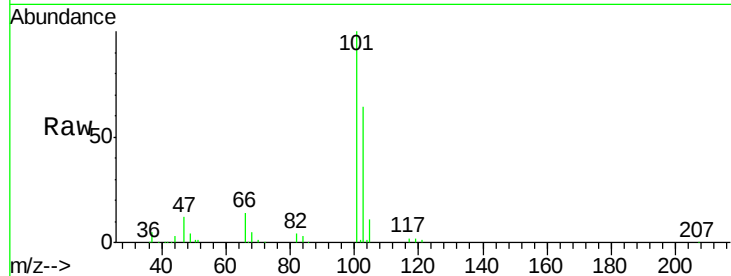
Trichlorofluoromethane
Concen: 49.031 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.01 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.8	79.2

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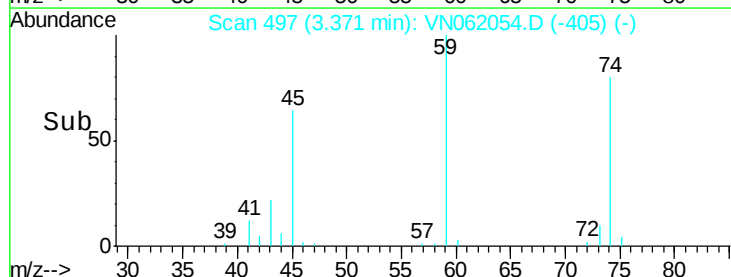
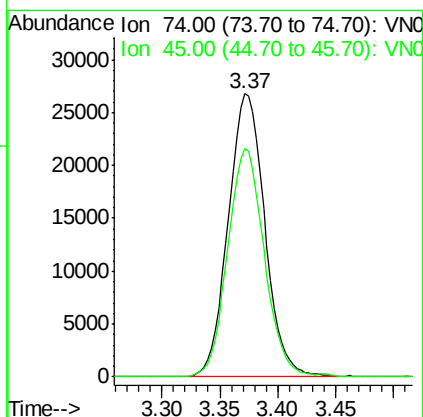
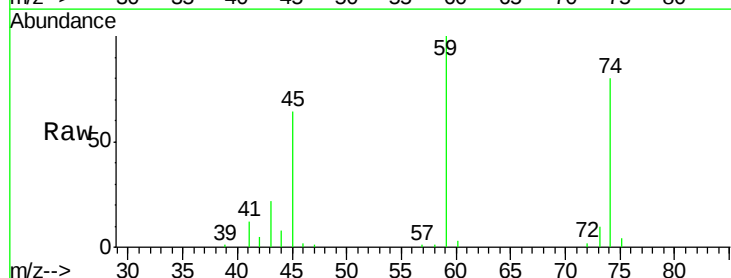
MMDadoda
6/24/2020 10:59:22 AM

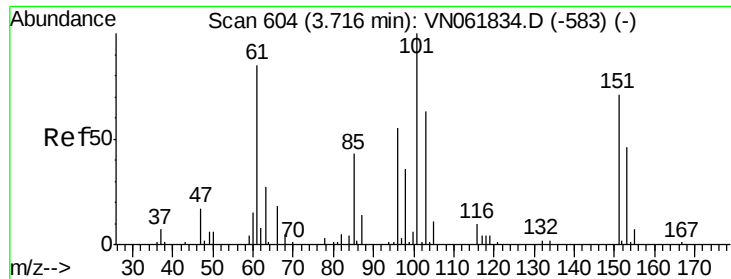


#8

Diethyl Ether
Concen: 54.563 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.5	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.089 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

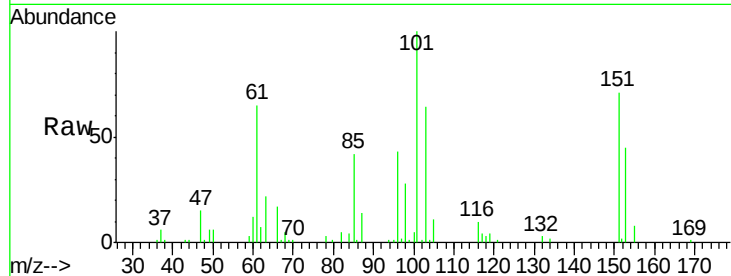
ClientSampleId :

VSTDCCC050EC

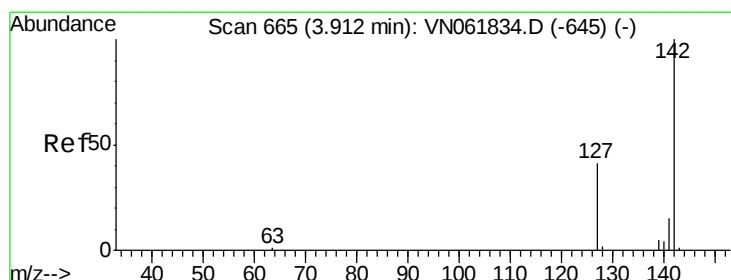
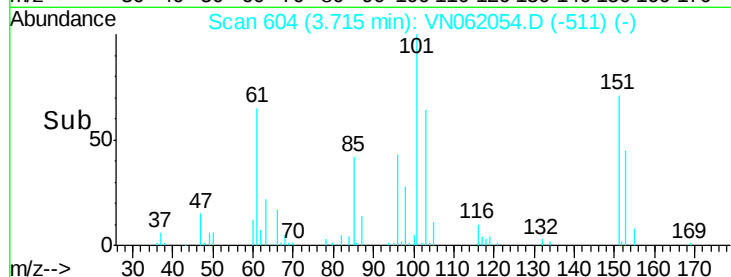
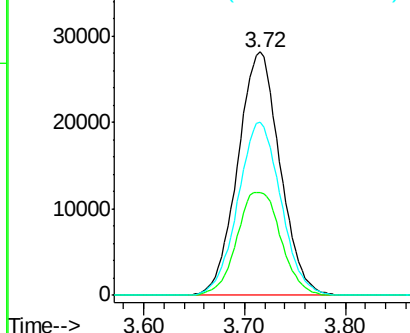
Tot Ion:	101	Resp:	81996
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.0	52.6
151	72.1	59.2	88.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.482 ug/l

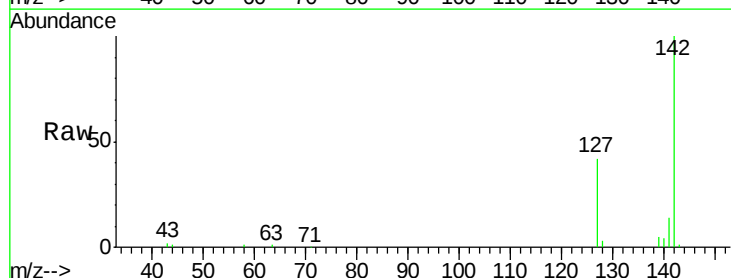
RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

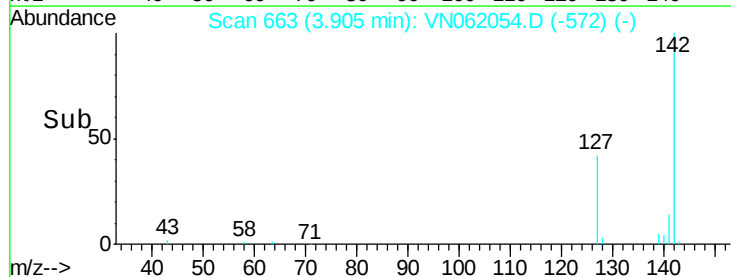
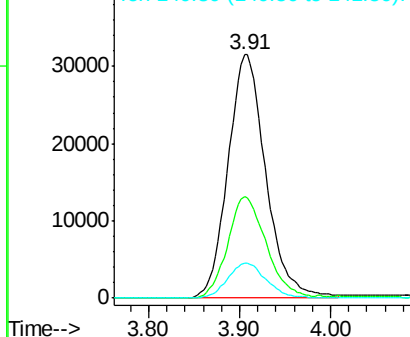
Lab File: VN062054.D

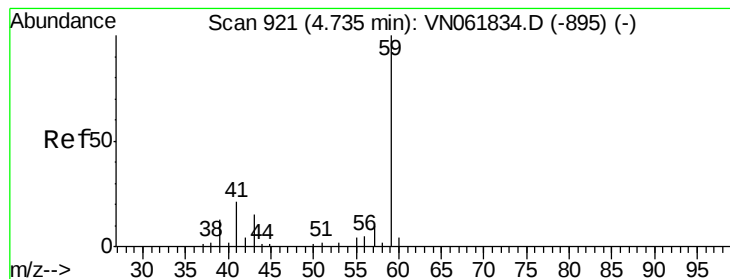
Acq: 23 Jun 2020 20:14

Tgt Ion:	142	Resp:	91006
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.4	50.0
141	14.5	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

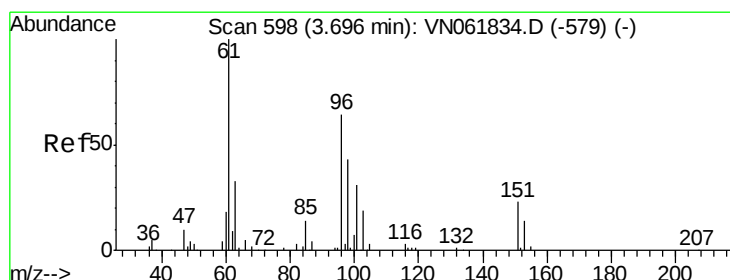
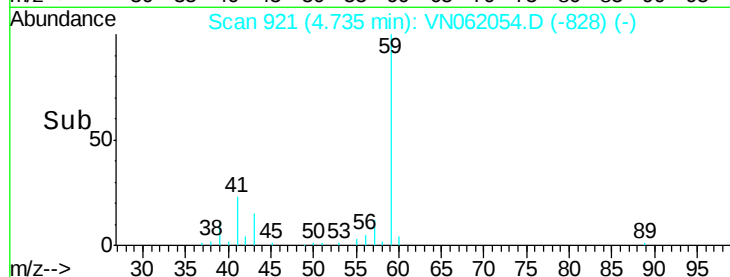
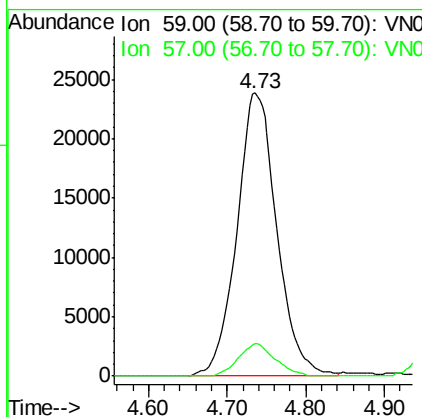
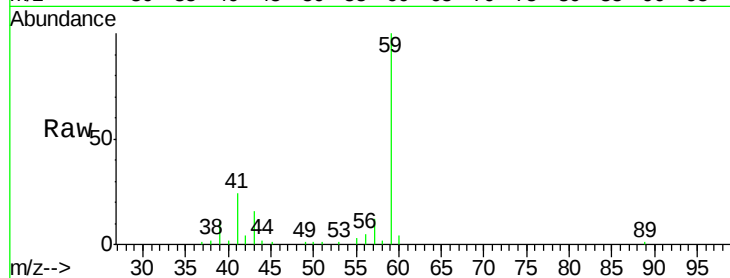
Tert butyl alcohol
 Concen: 284.002 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.5	Resp	85089	Lower	Upper
59	100								
57		10.5						7.7	11.5

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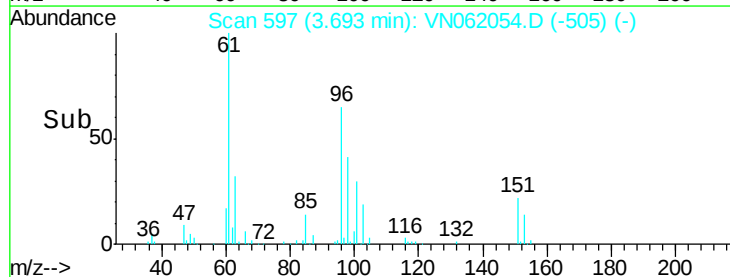
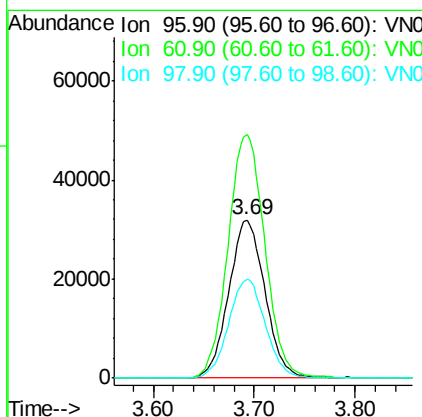
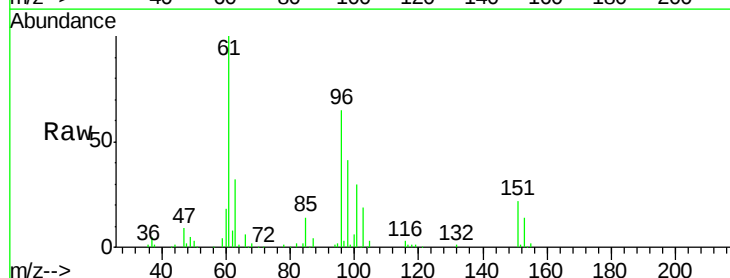
MMDadoda
 6/24/2020 10:59:22 AM

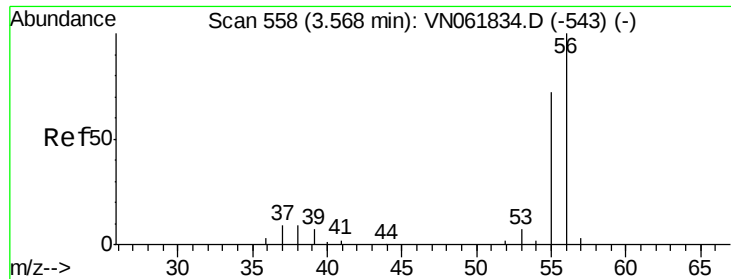


#12

1,1-Dichloroethene
 Concen: 48.605 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	96	61	98	Ratio	100	154.2	62.9	Resp	79726	Lower	Upper
96	100										
61		154.2								124.3	186.5
98		62.9								53.1	79.7





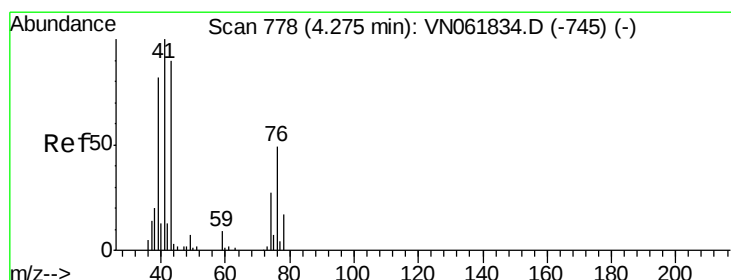
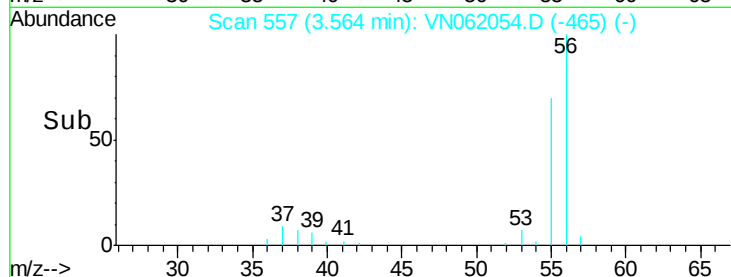
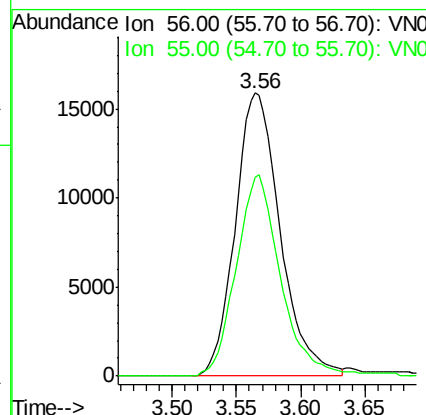
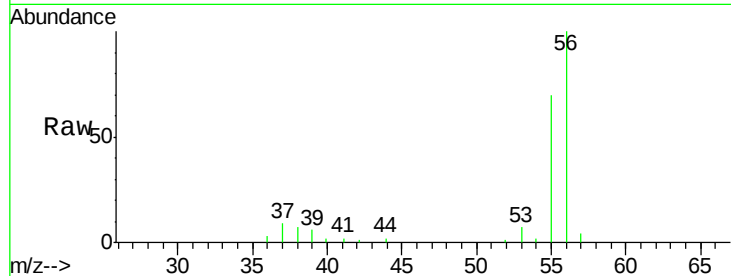
#13
Acrolein
Concen: 215.204 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		38536		
55	69.8	56.2		84.4	

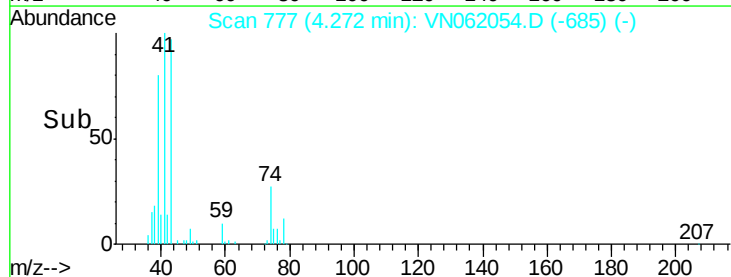
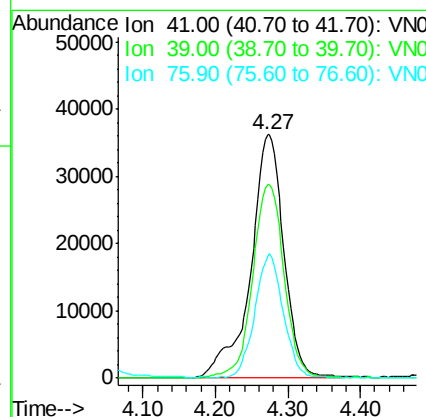
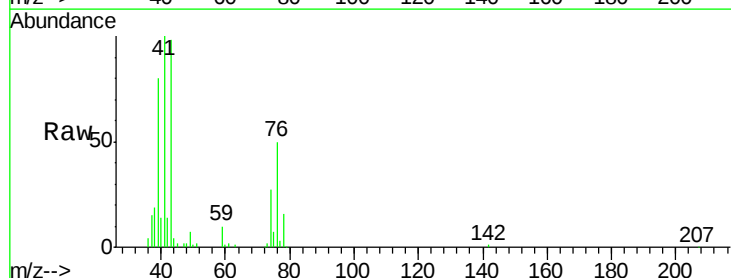
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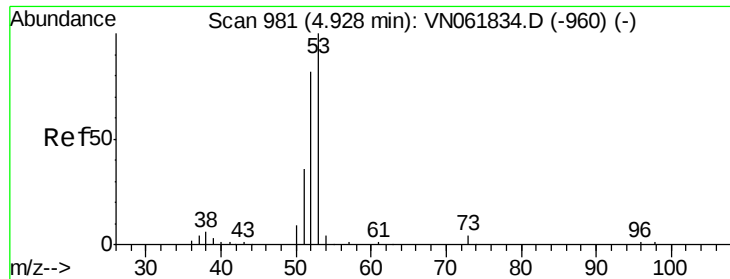
MMDadoda
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#14
Allyl chloride
Concen: 53.229 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		115879		
39	74.8	60.2		90.2	
76	43.6	36.3		54.5	





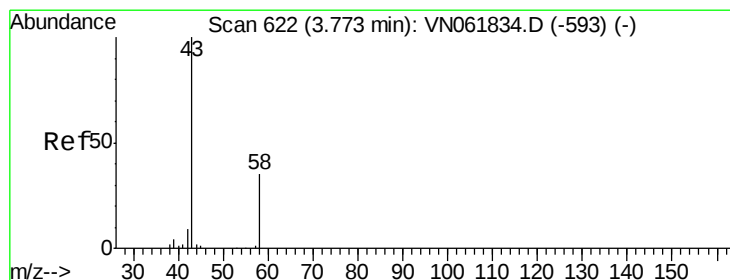
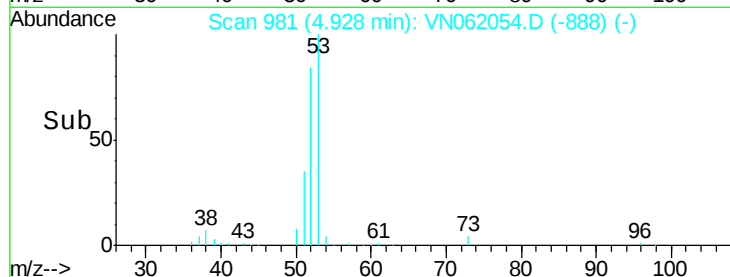
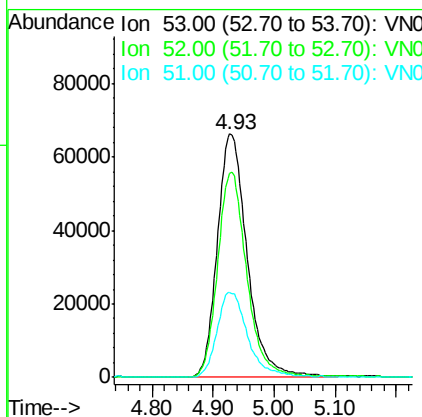
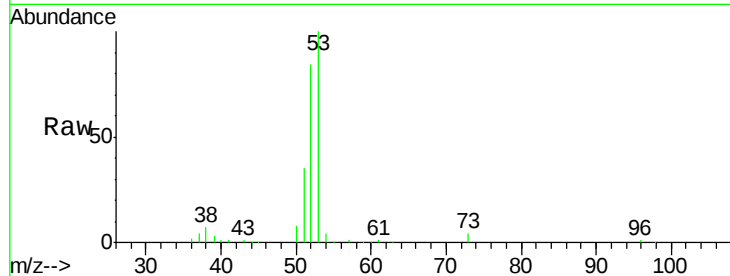
#15
 Acrylonitrile
 Concen: 303.824 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.2	97.8
51	35.8	29.3	43.9

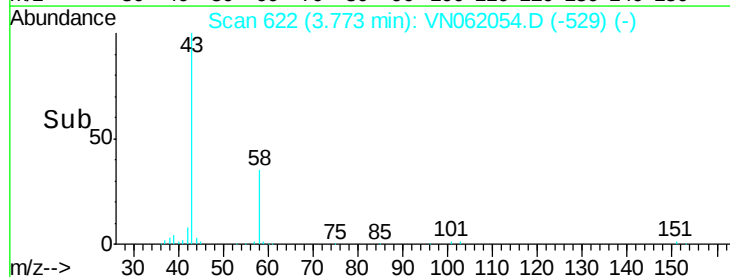
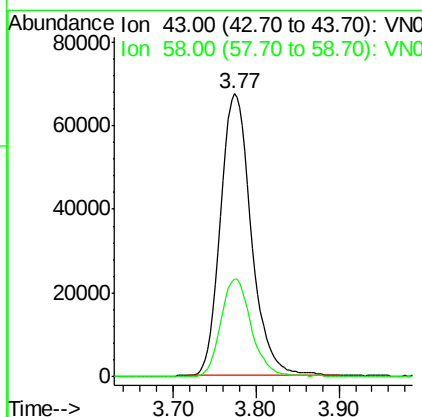
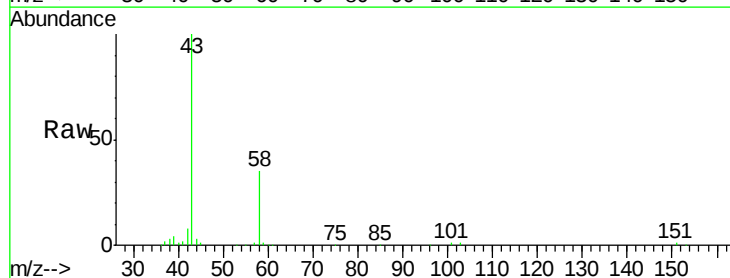
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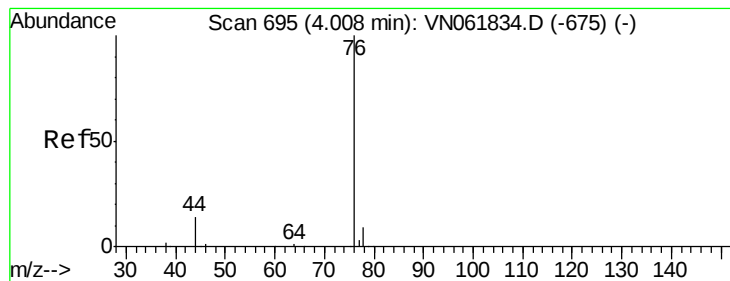
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 6/24/2020 10:59:22 AM



#16
 Acetone
 Concen: 270.816 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8





#17

Carbon Disulfide

Concen: 37.702 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 180948

Ion Ratio Lower Upper

76 100

78 9.1

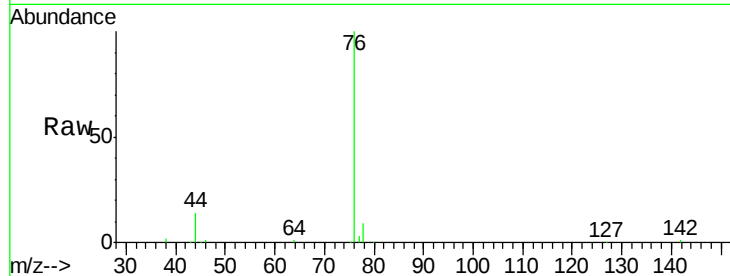
7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

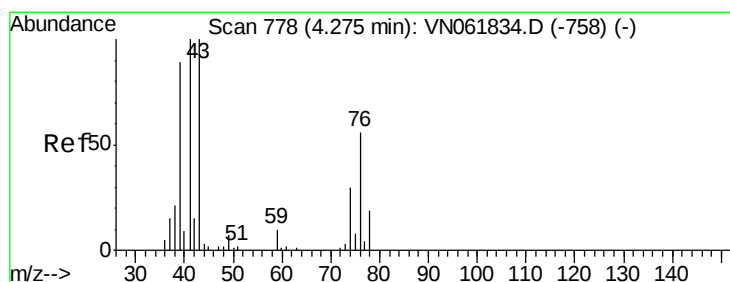
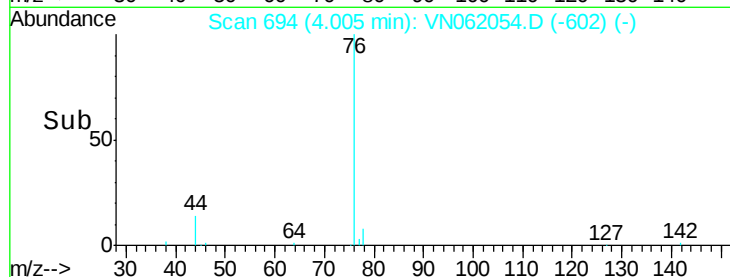
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 59.206 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

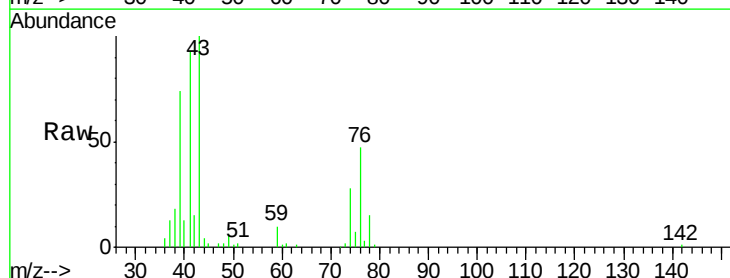
Tgt Ion: 43 Resp: 109012

Ion Ratio Lower Upper

43 100

74 27.7

23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

40000

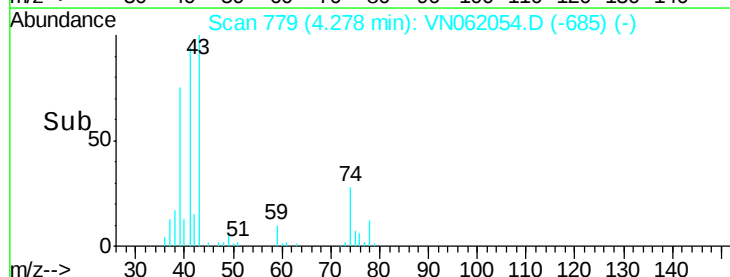
30000

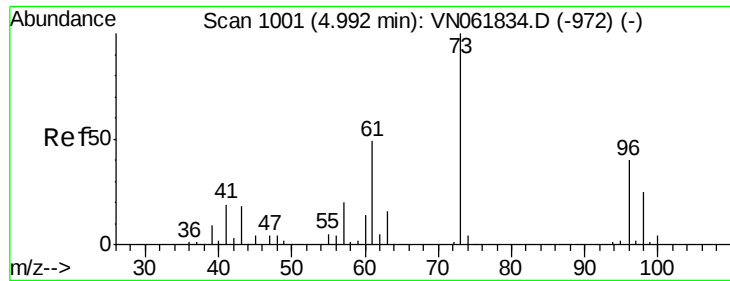
20000

10000

0

Time-->





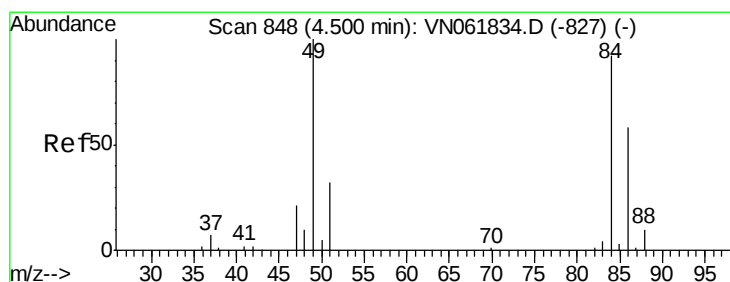
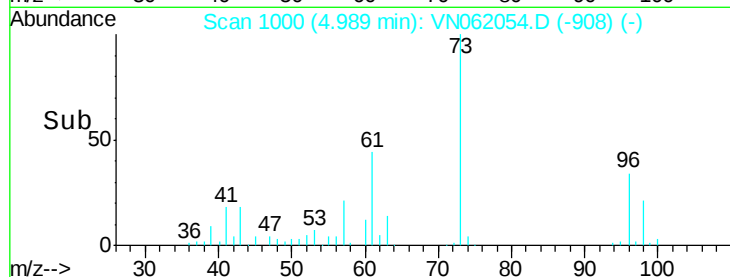
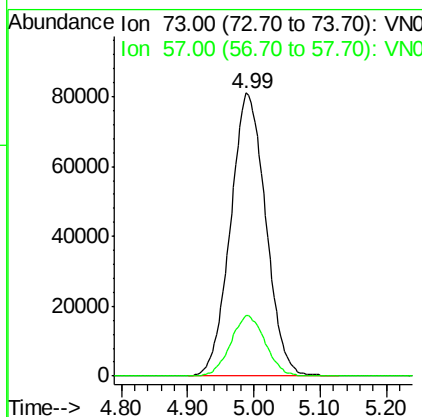
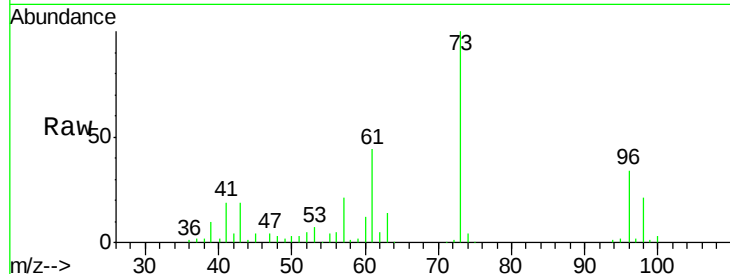
#19
Methvl tert-butvl Ether
Concen: 54.783 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 299193
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.4

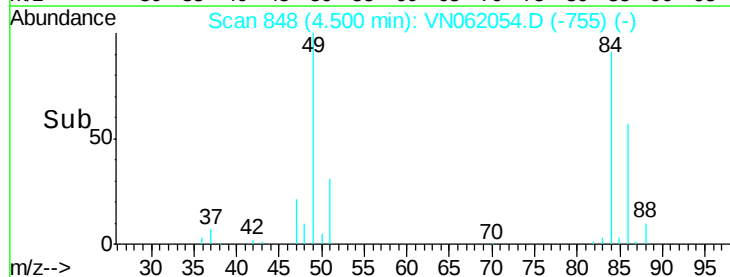
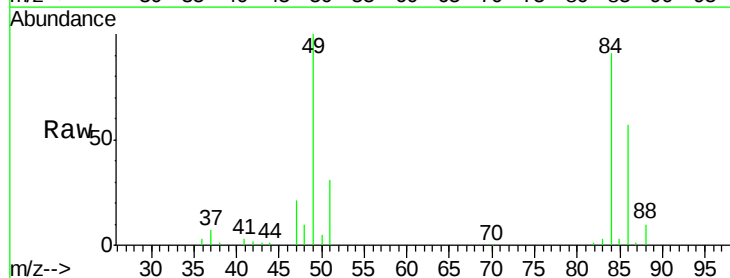
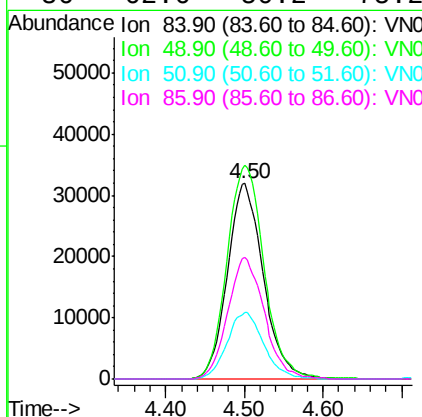
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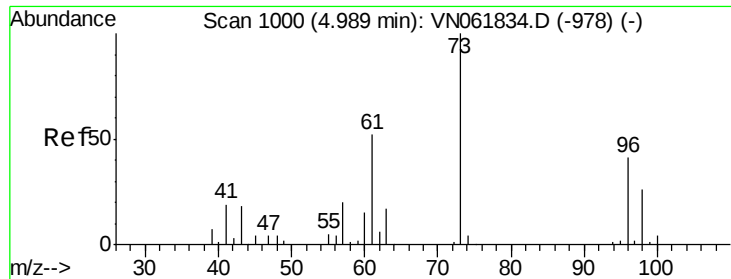
MMDadoda
6/24/2020 10:59:22 AM



#20
Methylene Chloride
Concen: 48.587 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion: 84 Resp: 101236
Ion Ratio Lower Upper
84 100
49 109.4 87.0 130.4
51 34.1 27.8 41.6
86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.461 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 89419

Ion Ratio Lower Upper

96 100

61 126.2 102.2 153.4

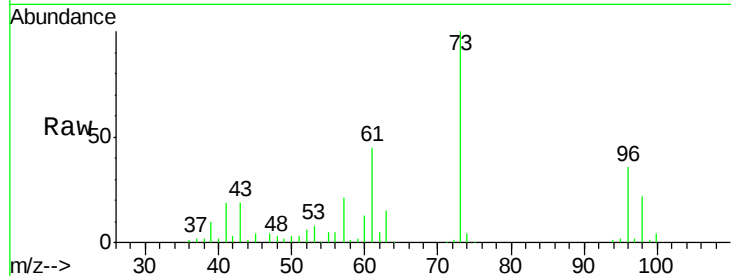
98 60.9 51.2 76.8

Manual Integrations

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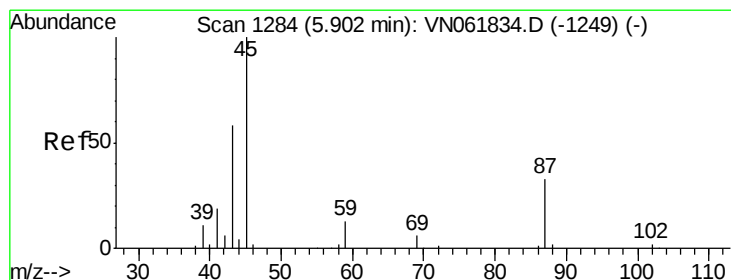
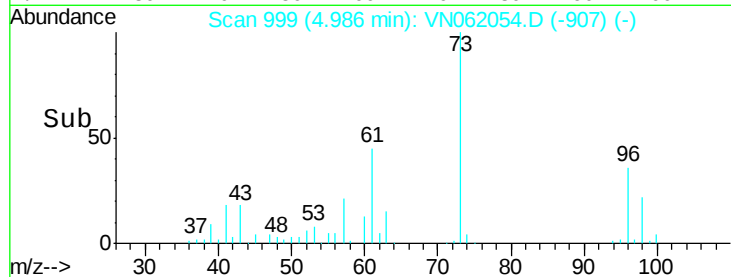
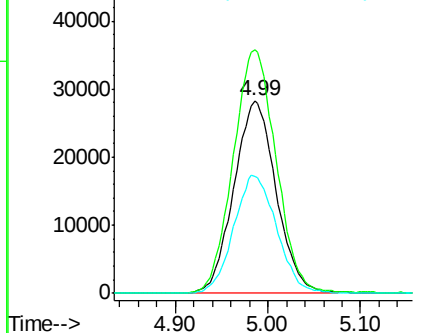
6/24/2020 10:59:22 AM



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)



#22

Diisopropyl ether

Concen: 55.806 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Tgt Ion: 45 Resp: 277853

Ion Ratio Lower Upper

45 100

43 61.7 49.4 74.2

87 33.6 27.4 41.0

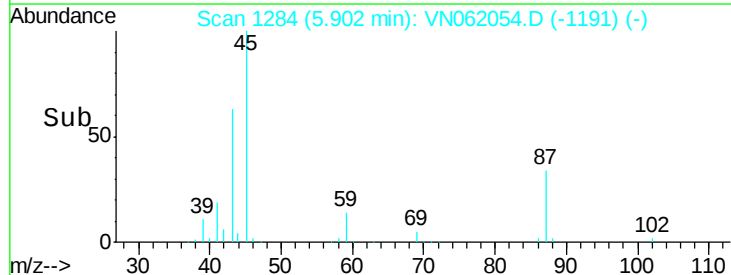
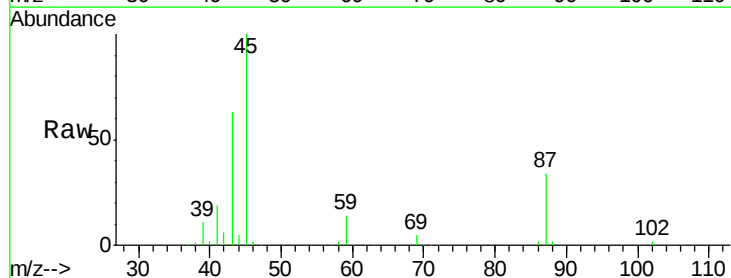
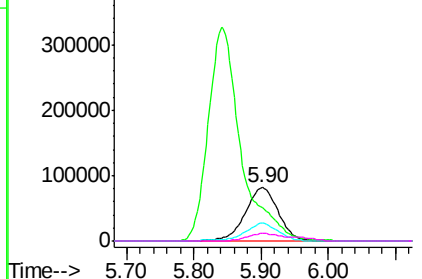
59 13.1 10.6 15.8

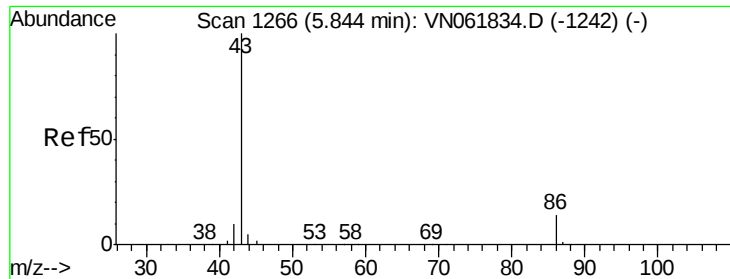
Abundance Ion 45.00 (44.70 to 45.70): VN061834.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN061834.D (-1249) (-)





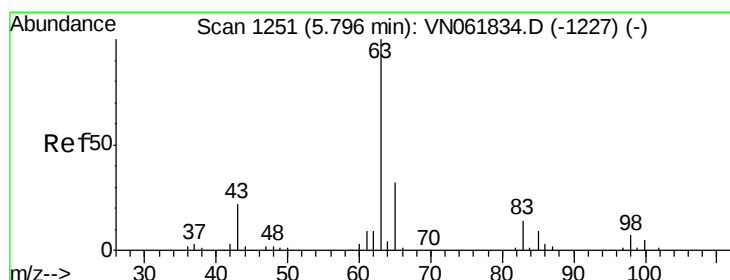
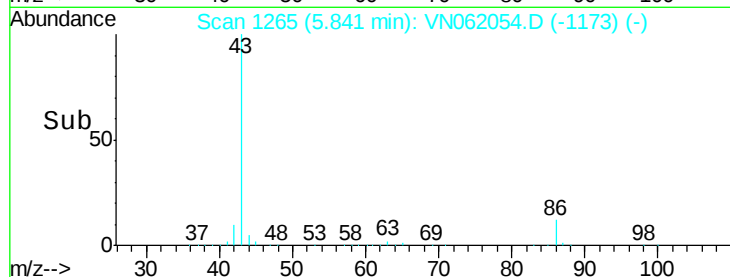
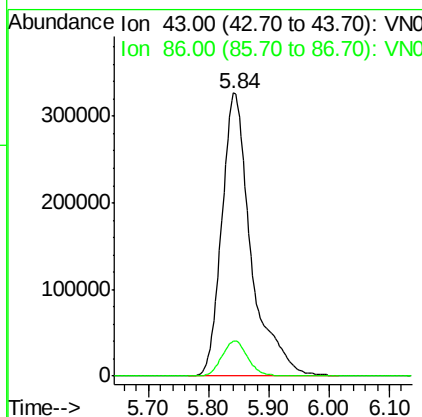
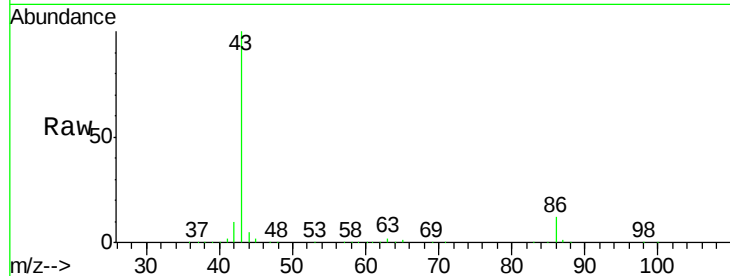
#23
 Vinyl Acetate
 Concen: 282.157 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1104911
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.9 16.3

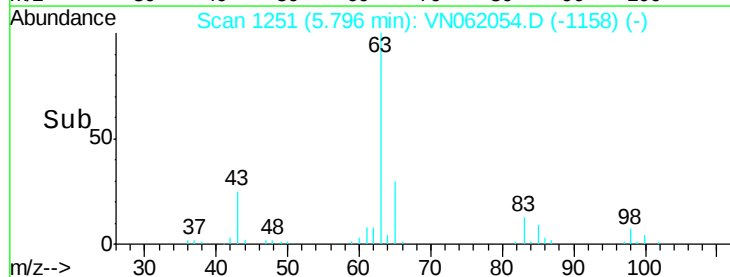
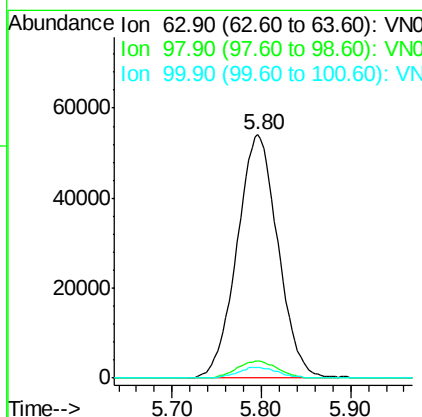
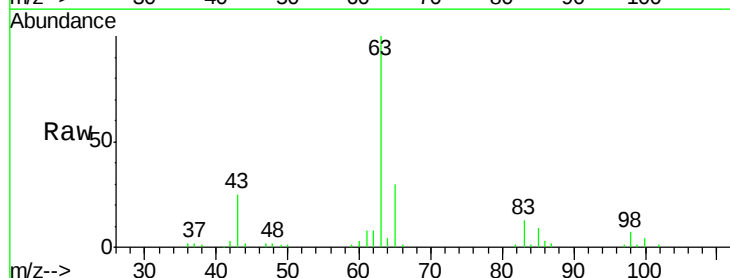
Manual Integrations
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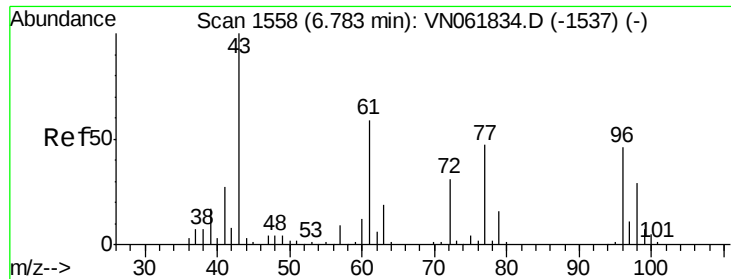
MMDadoda
 6/24/2020 10:59:22 AM



#24
 1,1-Dichloroethane
 Concen: 52.876 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion: 63 Resp: 172336
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.4
 100 4.3 2.5 7.4





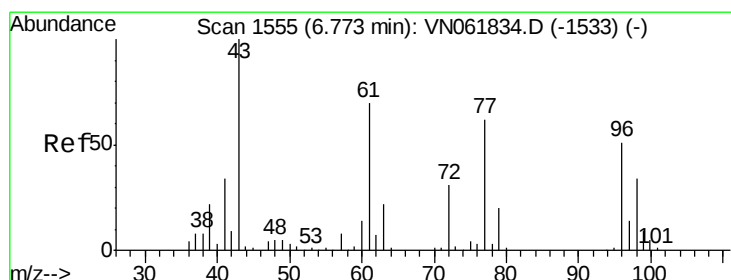
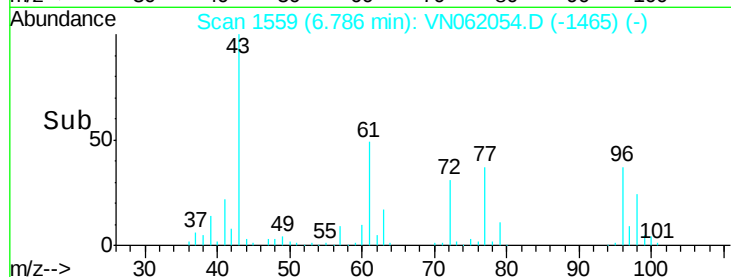
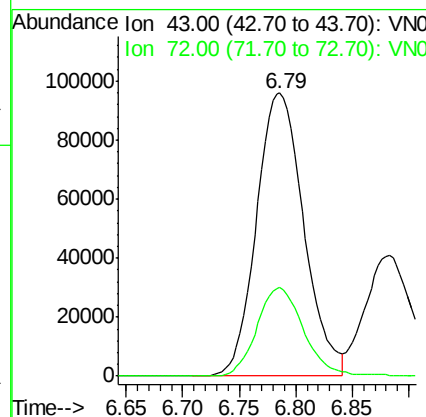
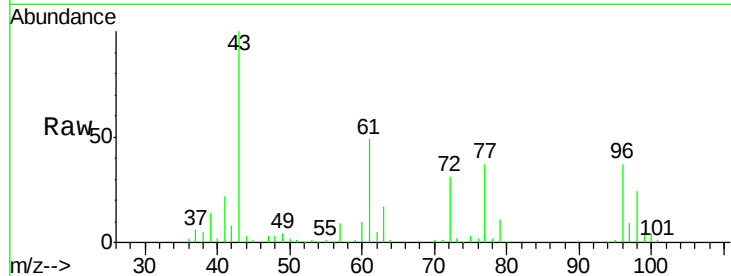
#25
2-Butanone
Concen: 298.671 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 278684
Ion Ratio Lower Upper
43 100
72 31.4 24.6 37.0

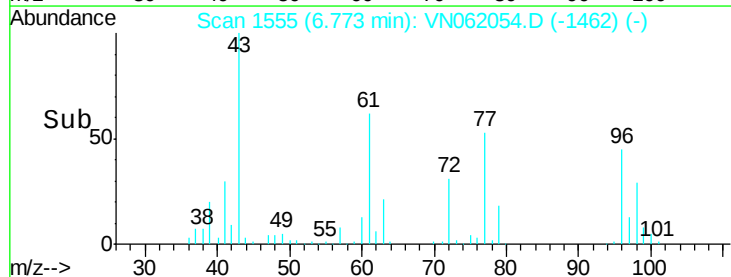
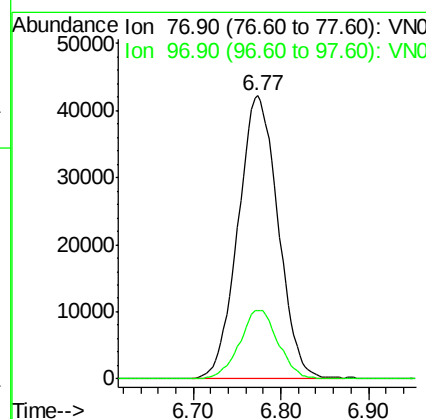
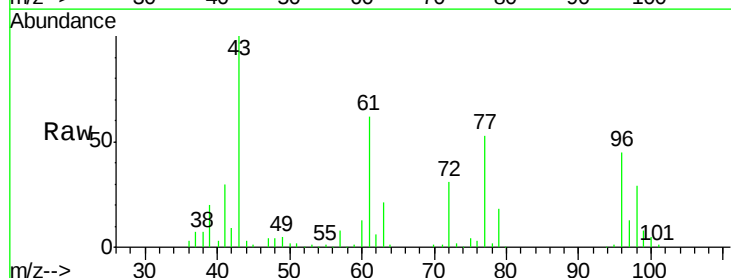
Manual Integrations
APPROVED

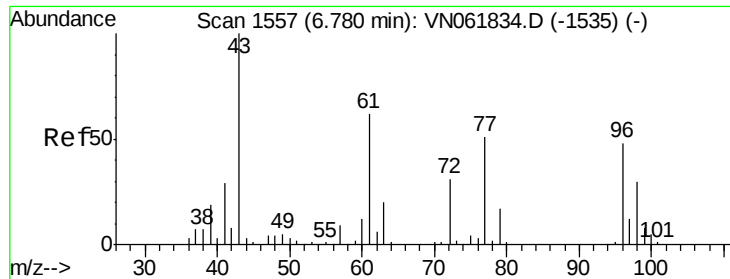
MMDadoda
6/24/2020 10:59:22 AM



#26
2,2-Dichloropropane
Concen: 48.873 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion: 77 Resp: 134016
Ion Ratio Lower Upper
77 100
97 23.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.350 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

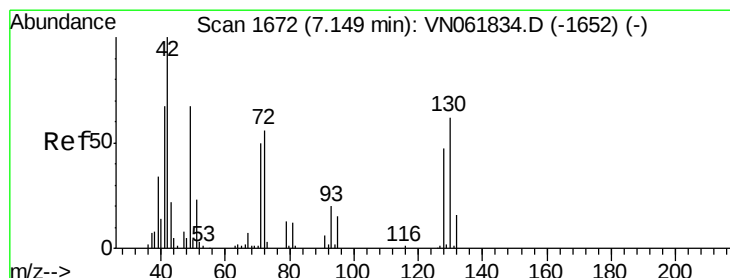
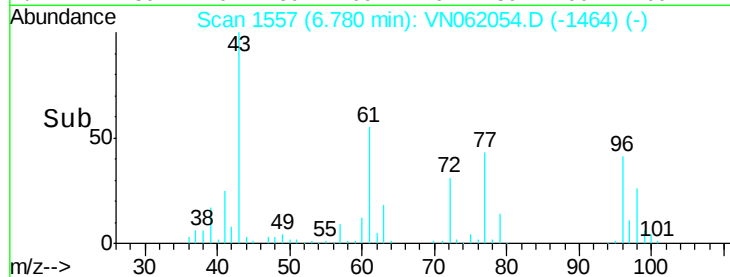
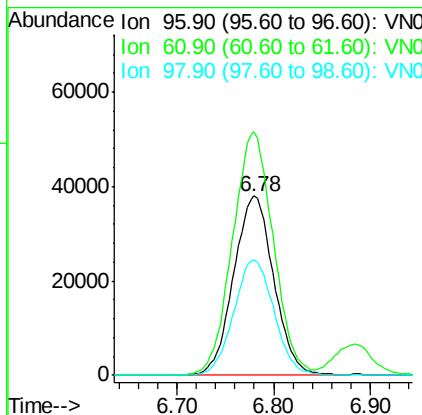
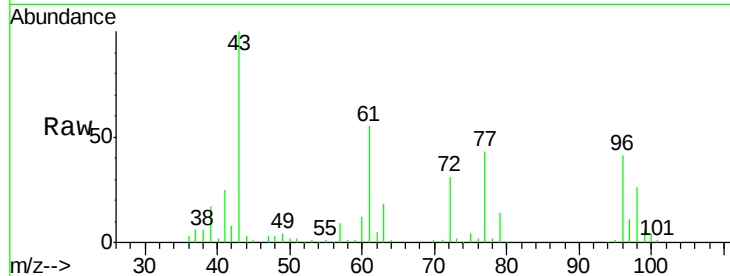
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	109457
Ion Ratio	Lower	Upper	
96	100		
61	138.0	0.0	265.6
98	64.5	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 54.947 ug/l

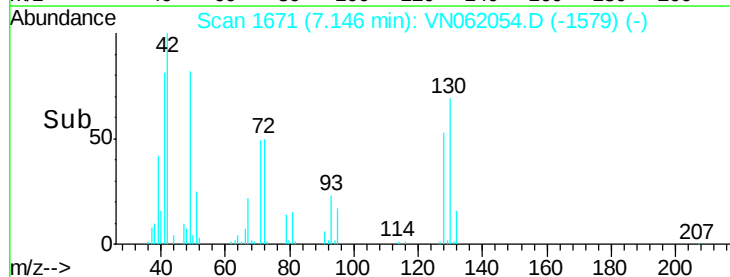
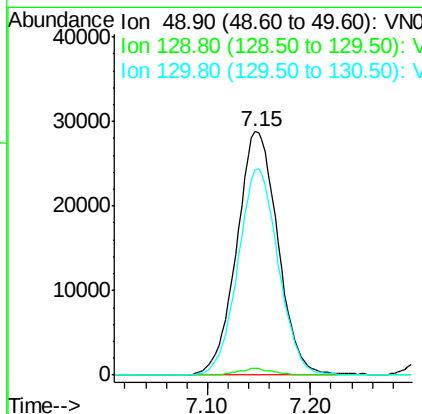
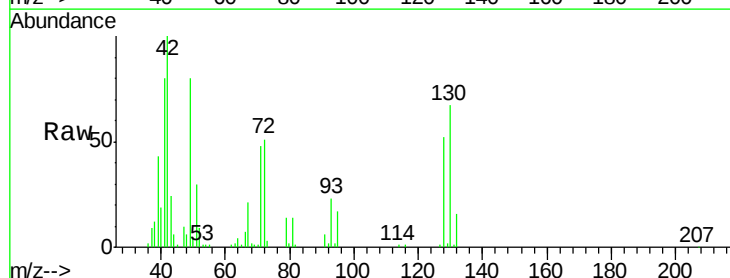
RT: 7.15 min Scan# 1671

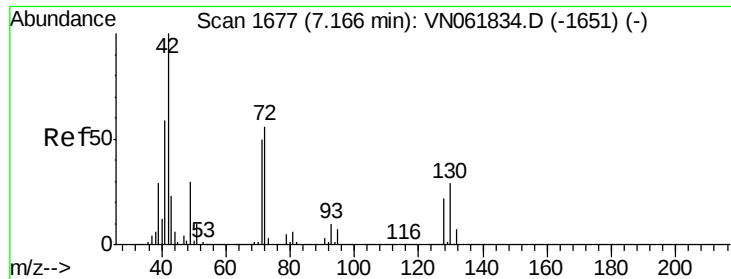
Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Tgt Ion:	49	Resp:	79738
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	83.0	72.2	108.2





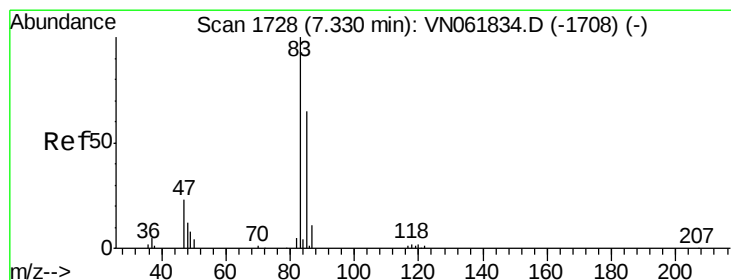
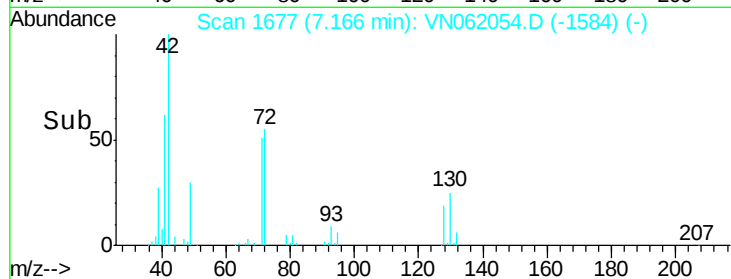
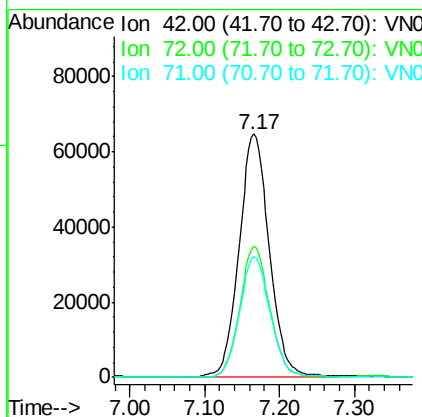
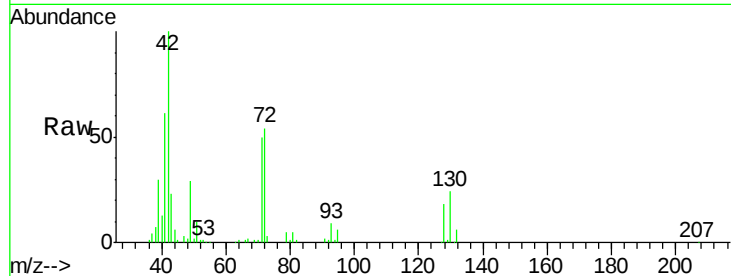
#29
Tetrahydrofuran
Concen: 296.953 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	44.0	66.0
71	49.4	40.0	60.0

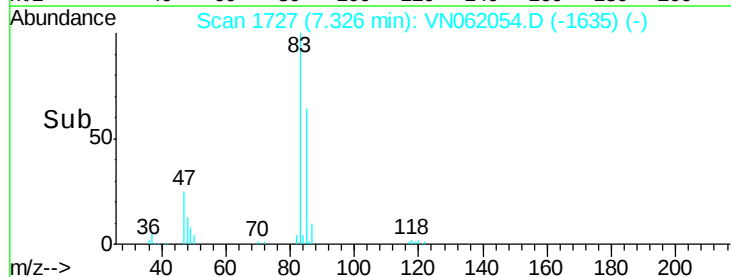
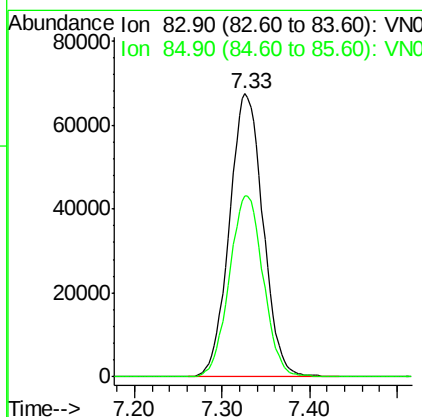
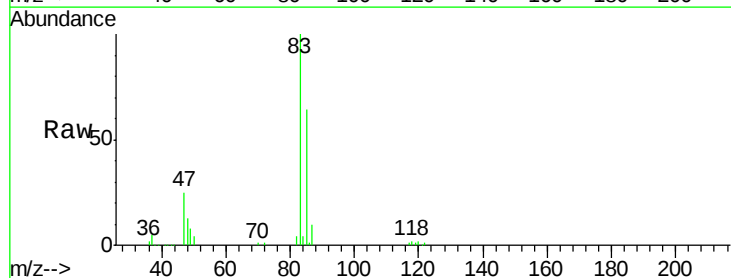
Manual Integrations
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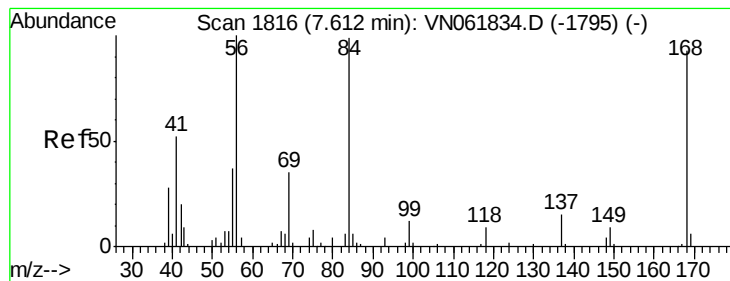
MMDadoda
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#30
Chloroform
Concen: 51.695 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0





#31

Cyclohexane

Concen: 45.139 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 128791

Ion Ratio Lower Upper

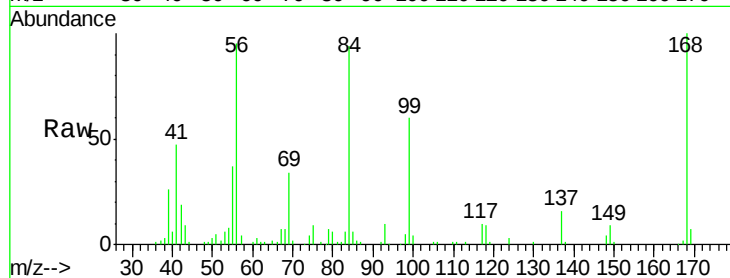
56 100

69 35.5 27.7 41.5

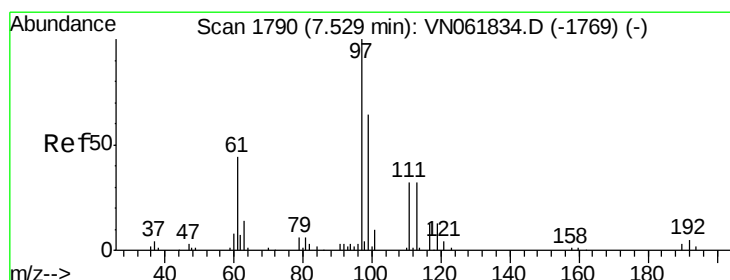
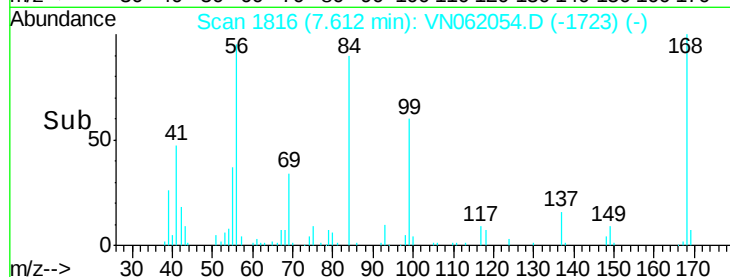
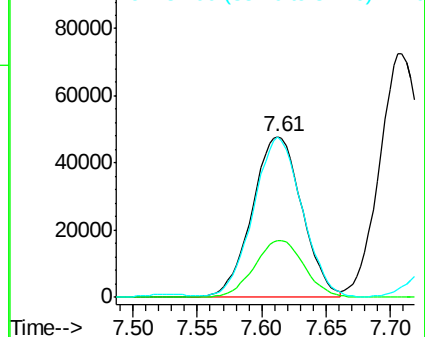
84 98.5 79.1 118.7

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.009 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

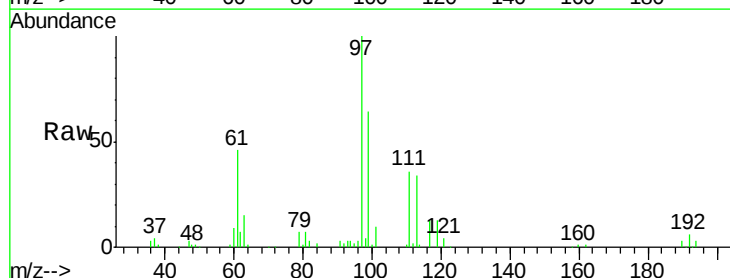
Tgt Ion: 97 Resp: 148351

Ion Ratio Lower Upper

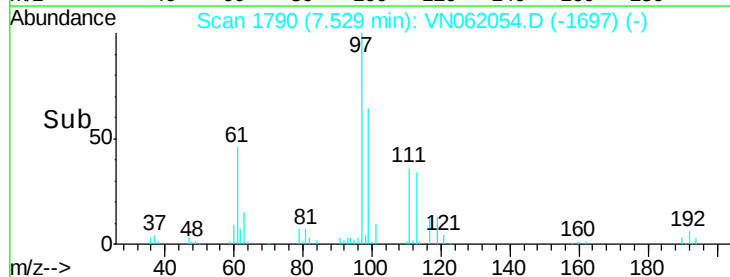
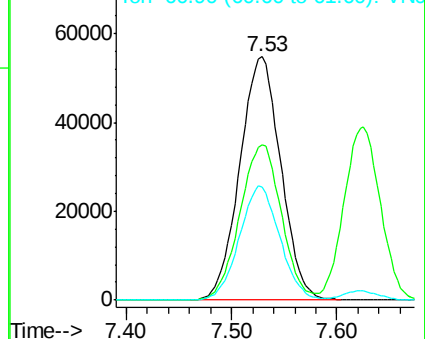
97 100

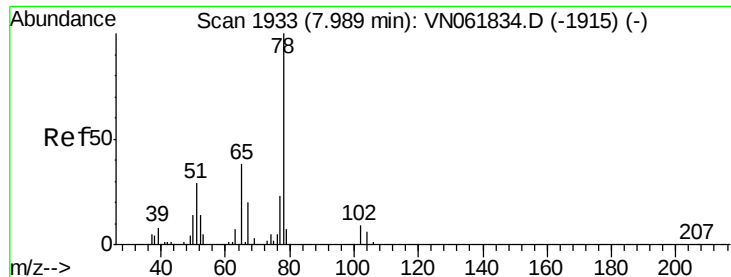
99 64.4 51.5 77.3

61 46.1 35.1 52.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





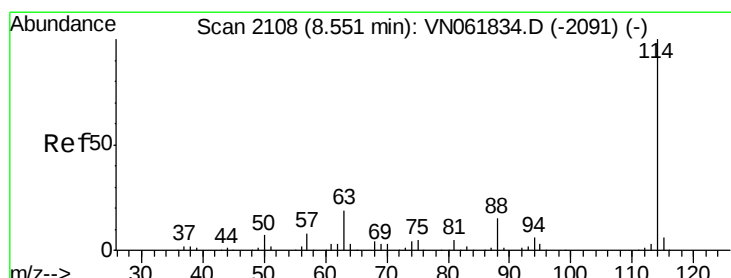
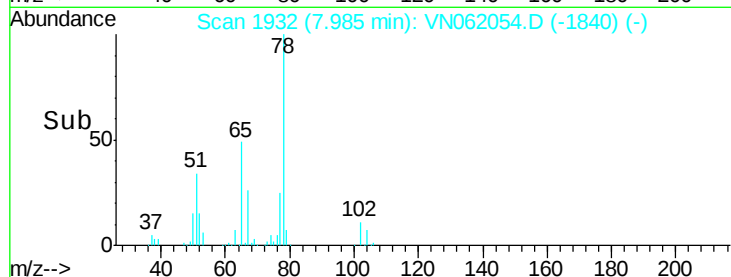
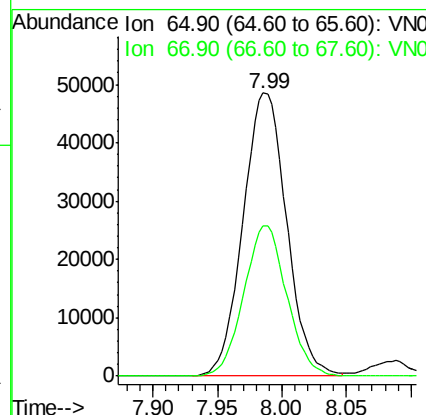
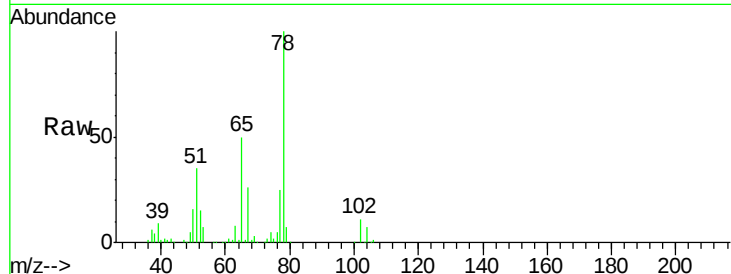
#33
 1,2-Dichloroethane-d4
 Concen: 52.806 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

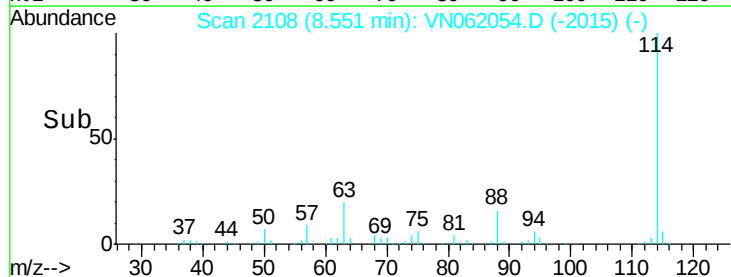
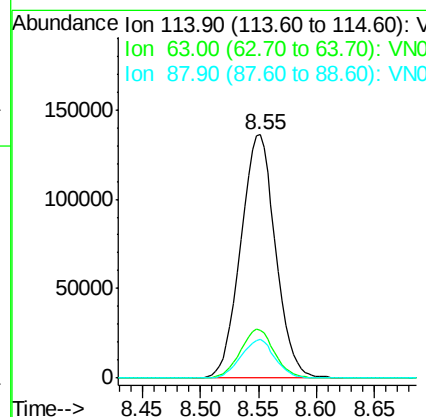
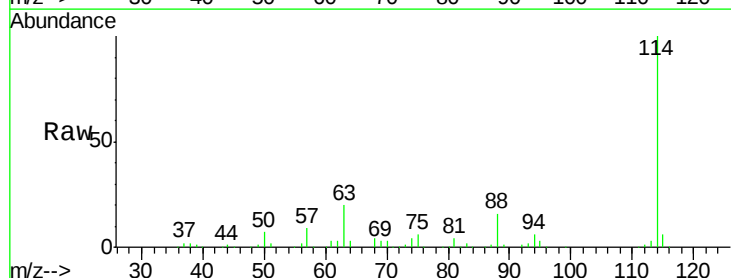
Manual Integrations
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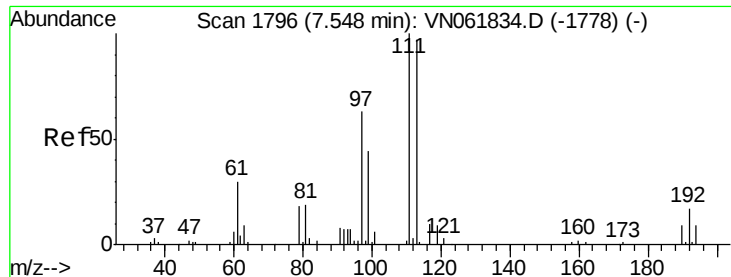
MMDadoda
 6/24/2020 10:59:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.6
88	15.7	0.0	31.0





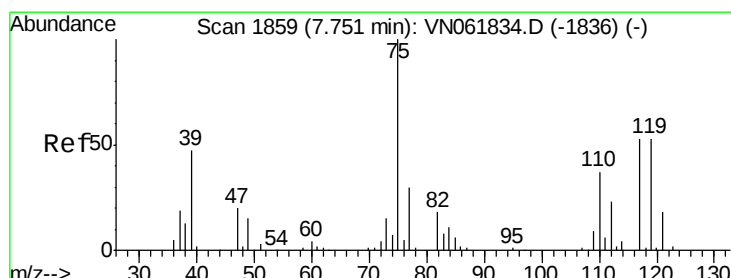
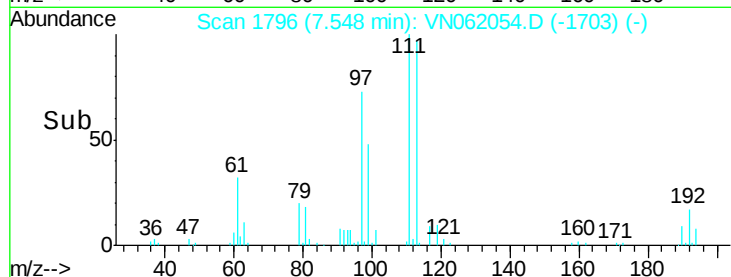
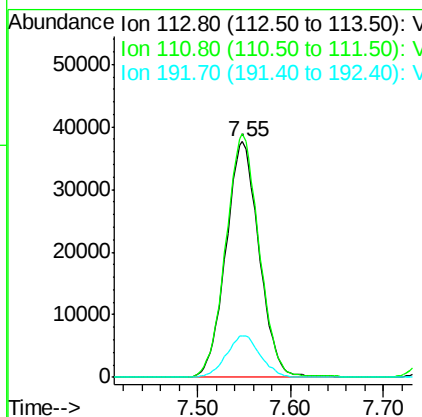
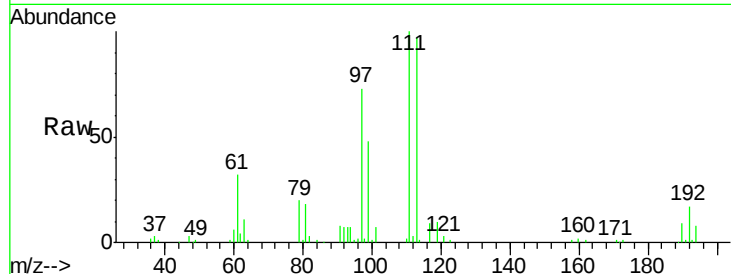
#35
Dibromofluoromethane
Concen: 51.542 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.7	125.5
192	18.1	13.9	20.9

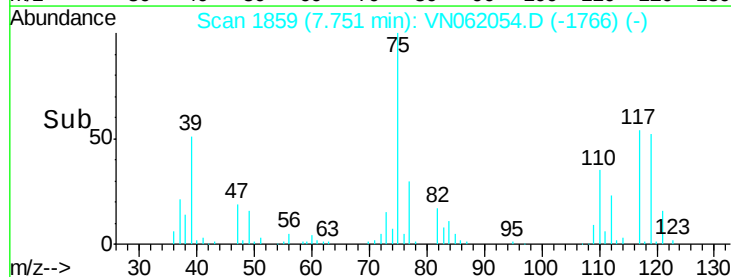
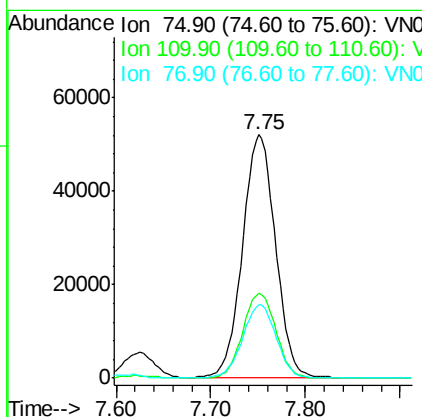
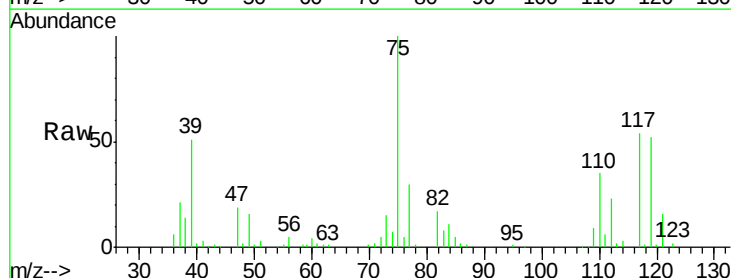
Manual Integrations
APPROVED

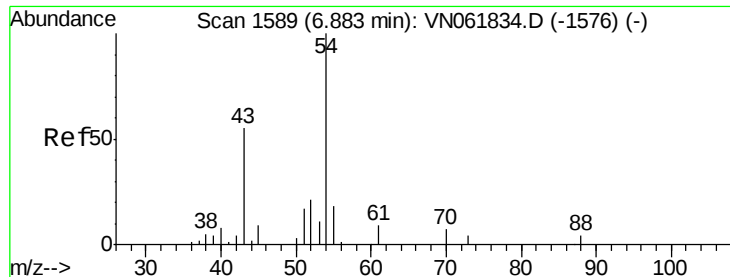
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.063 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.2	54.6
77	30.6	24.2	36.4





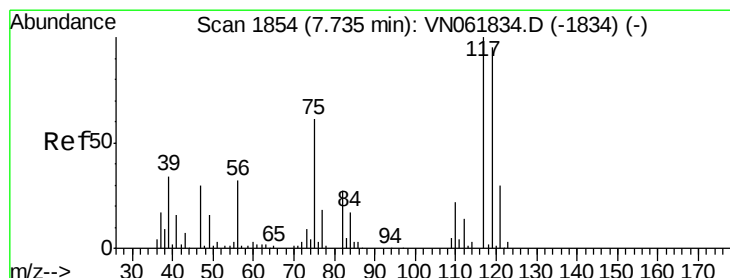
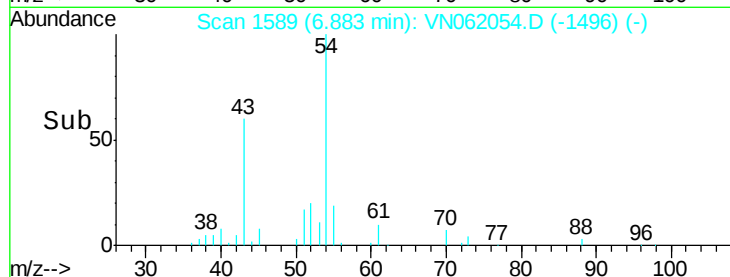
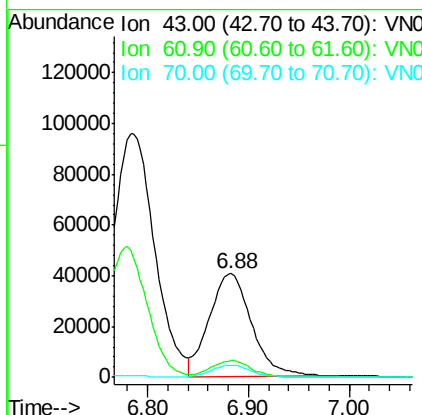
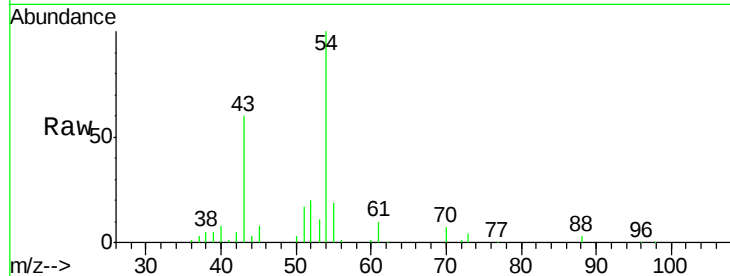
#37
Ethyl Acetate
Concen: 58.820 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.0	19.4
70	11.3	9.4	14.2

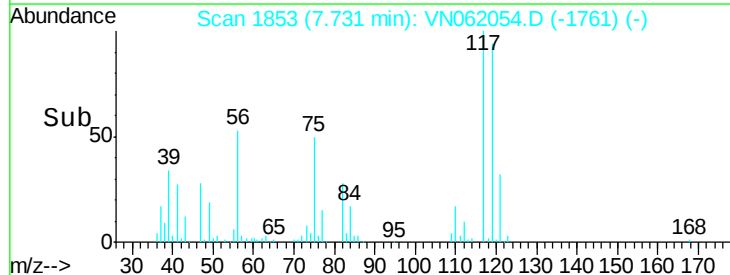
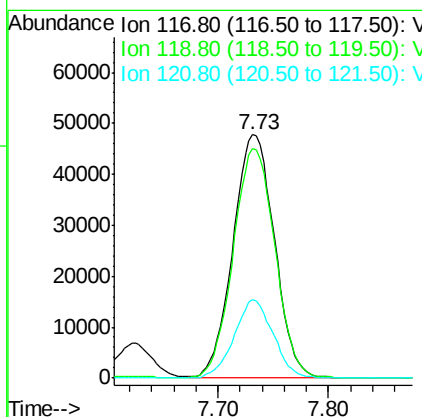
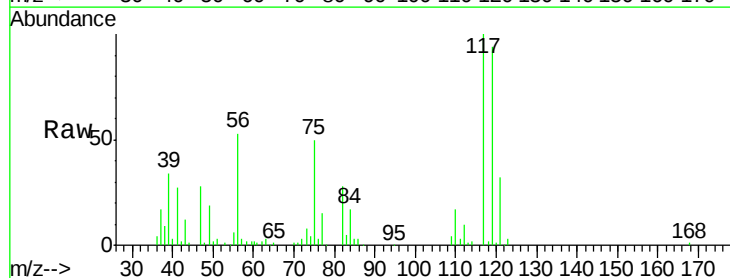
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.760 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.8	113.6
121	32.1	23.8	35.6





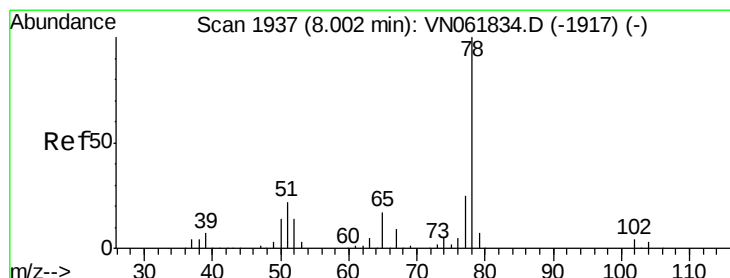
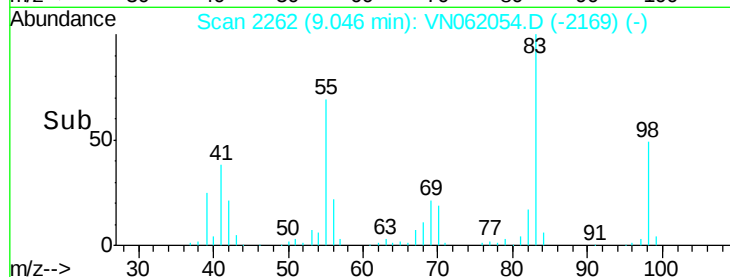
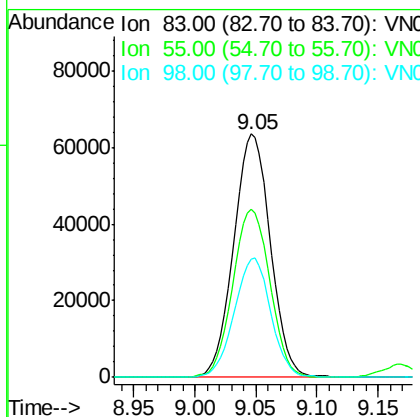
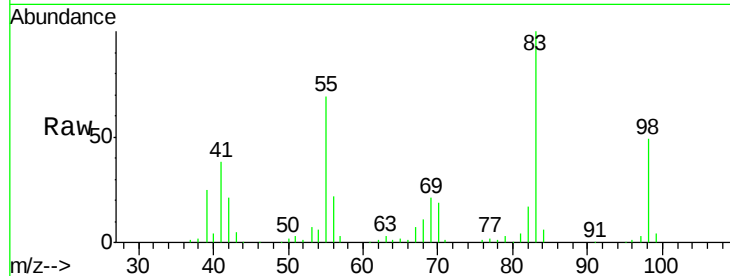
#39
Methvlcvclohexane
Concen: 47.597 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	54.2	81.4
98	48.7	39.8	59.6

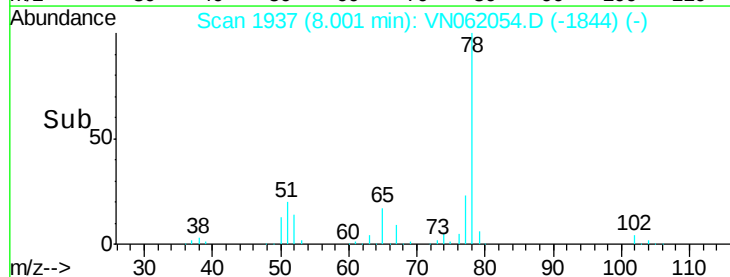
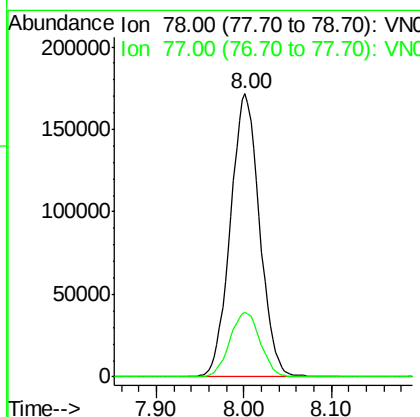
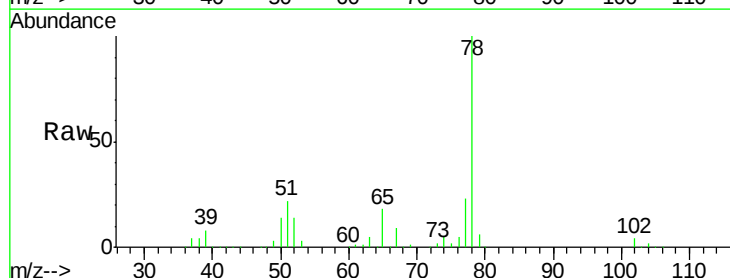
Manual Integrations
APPROVED

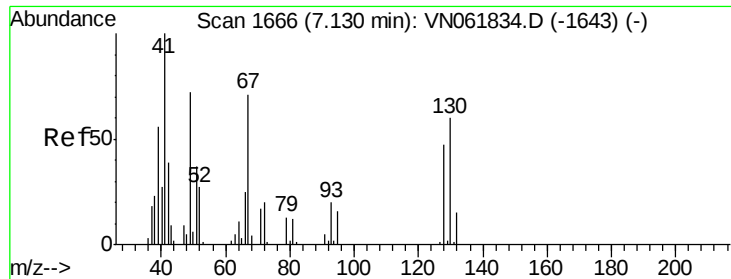
MMDadoda
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#40
Benzene
Concen: 50.758 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.7	29.5





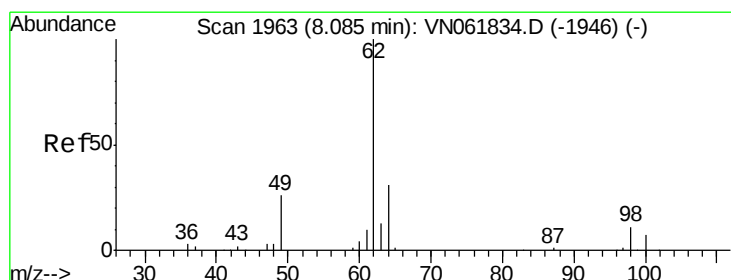
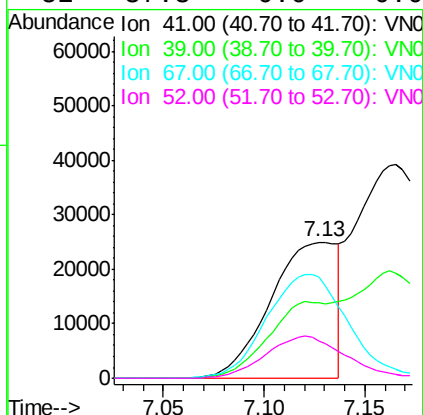
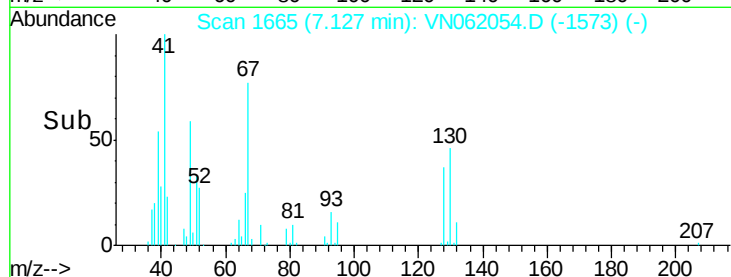
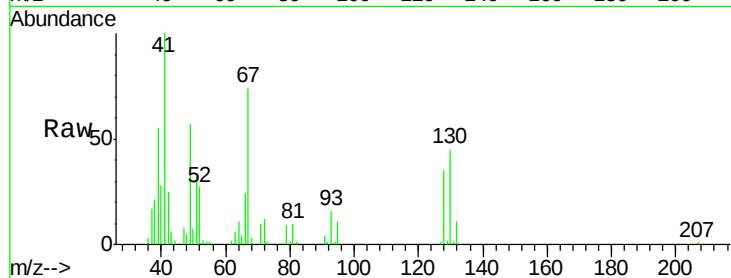
#41
Methacrylonitrile
Concen: 66.482 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.1	0.0	0.0#
67	93.7	0.0	0.0#
52	37.3	0.0	0.0#

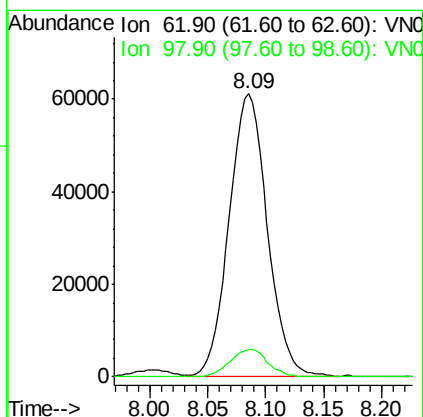
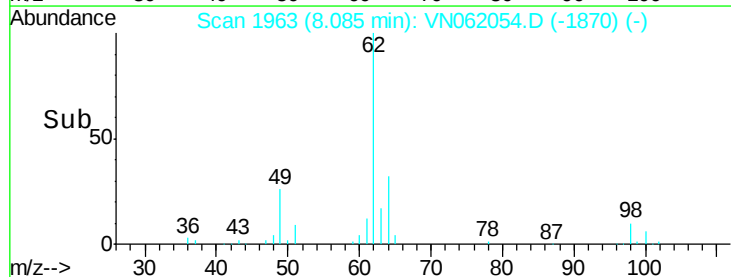
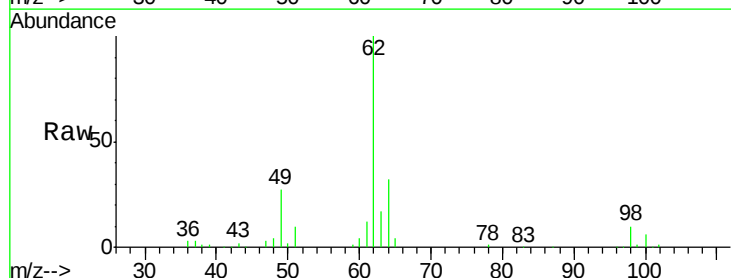
Manual Integrations
APPROVED

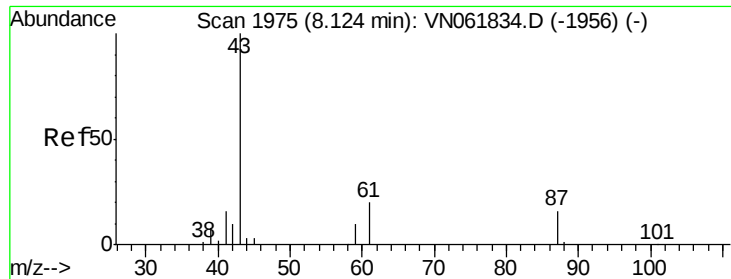
MMDadoda
6/24/2020 10:59:22 AM



#42
1,2-Dichloroethane
Concen: 52.256 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4





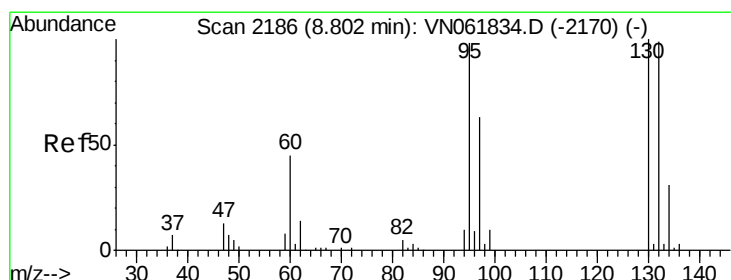
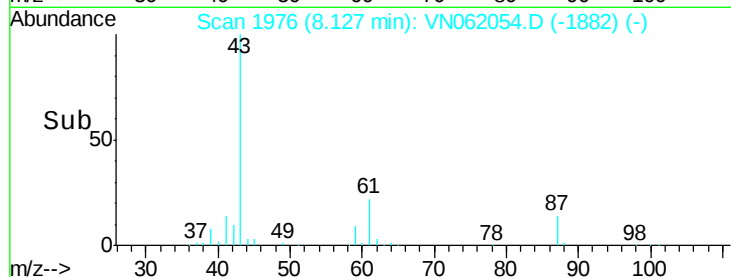
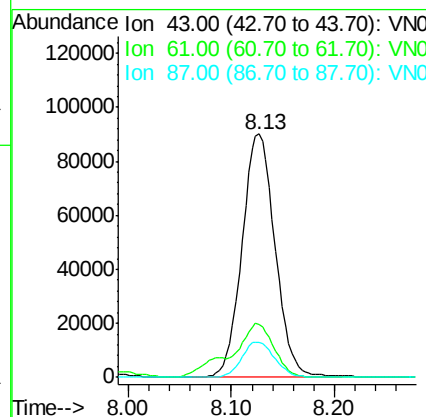
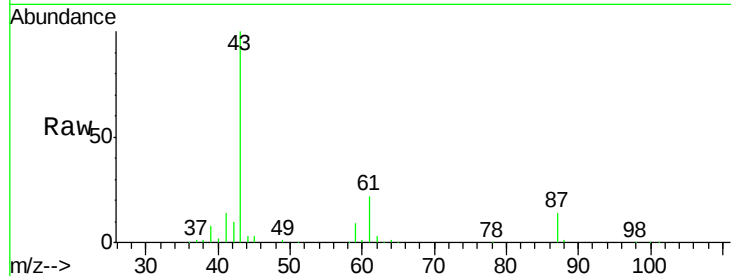
#43
Isopropyl Acetate
Concen: 58.927 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	24.0	36.0#
87	14.6	12.5	18.7

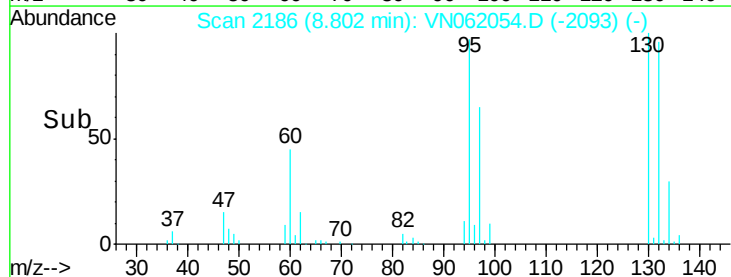
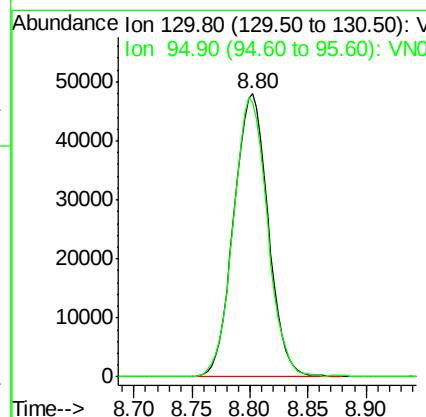
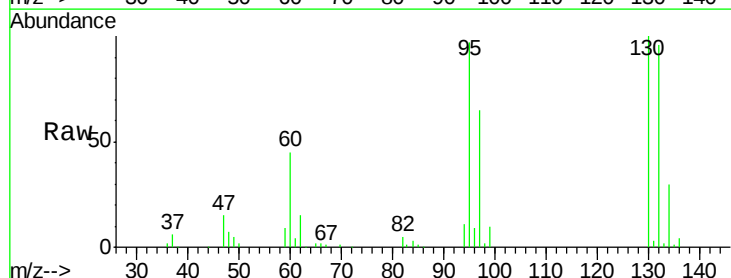
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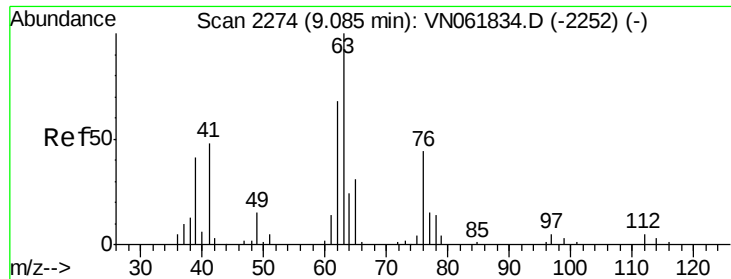
MMDadoda
6/24/2020 10:59:22 AM



#44
Trichloroethene
Concen: 47.937 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	195.6





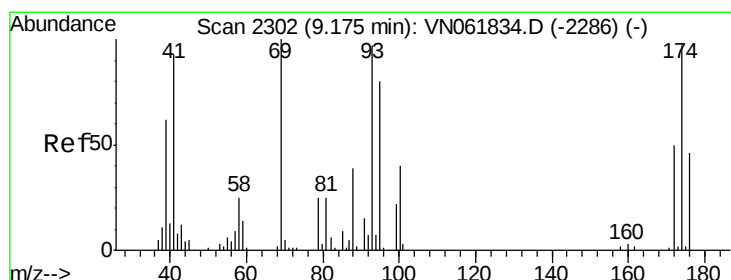
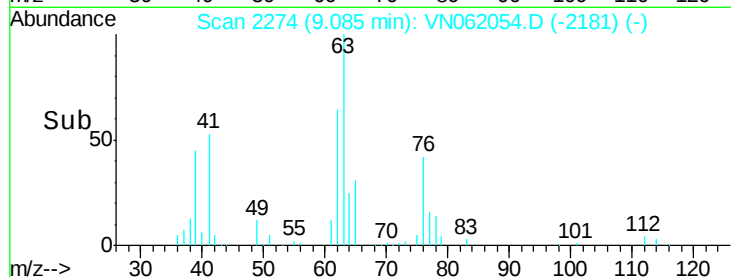
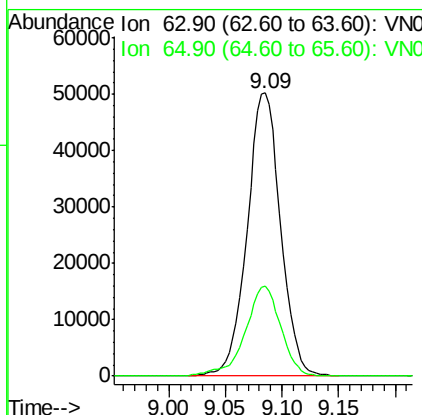
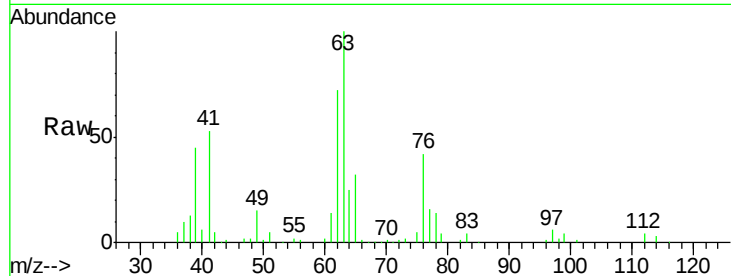
#45
 1,2-Dichloropropane
 Concen: 53.585 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103074
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7

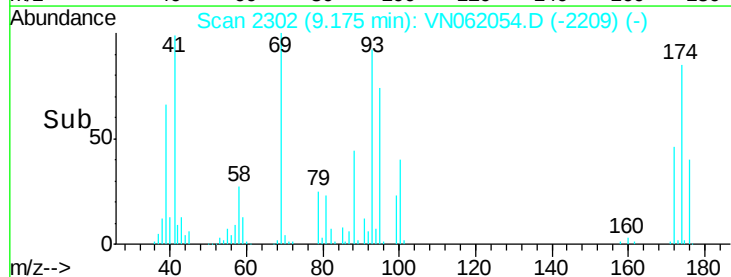
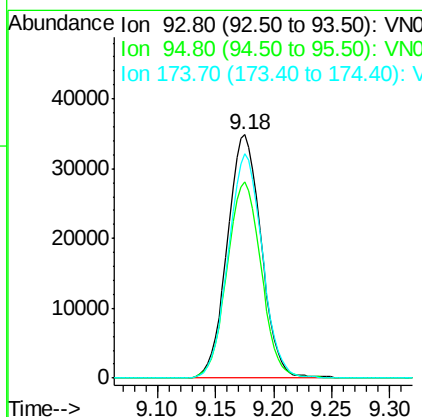
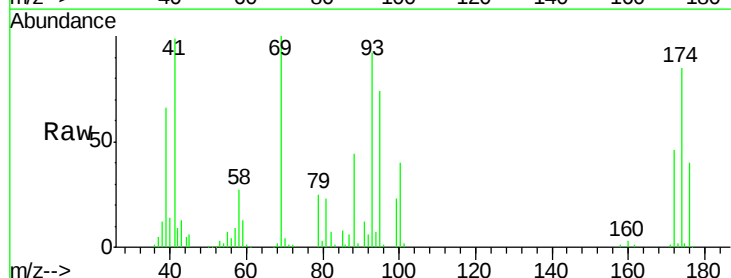
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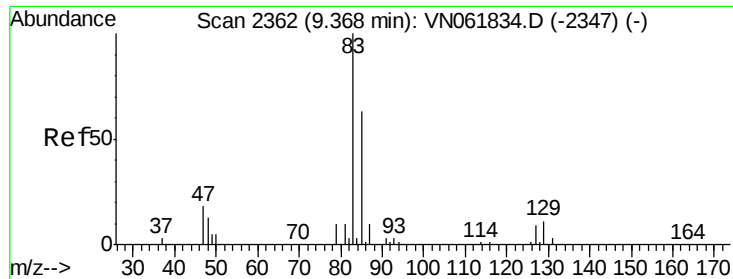
MMDadoda
 6/24/2020 10:59:22 AM



#46
 Dibromomethane
 Concen: 52.025 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion: 93 Resp: 70471
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.8 98.6
 174 92.4 78.5 117.7





#47

Bromodichloromethane

Concen: 52.154 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

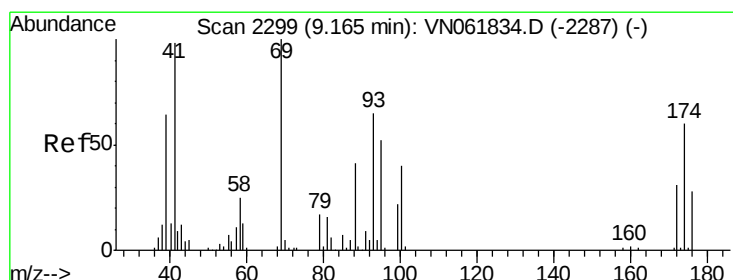
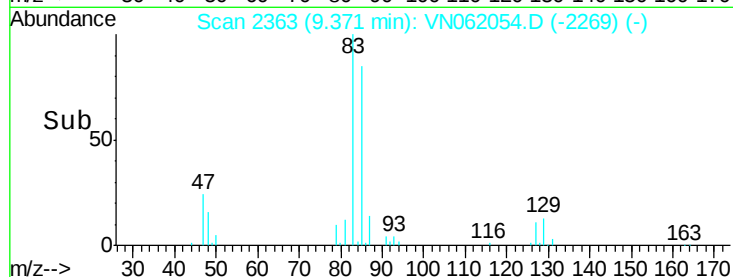
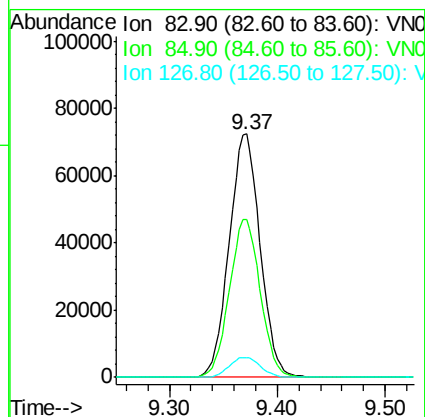
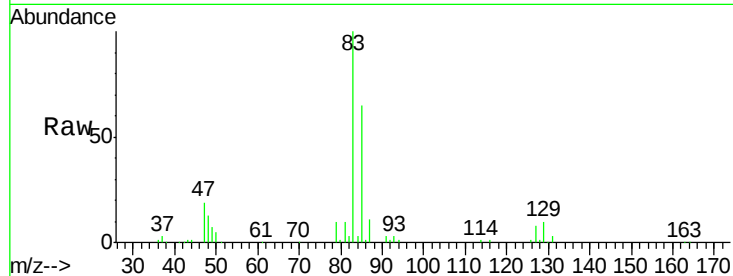
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144659
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.8	76.2
127	8.2	7.0	10.4

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6/24/2020 10:59:22 AM



#48

Methyl methacrylate

Concen: 57.226 ug/l

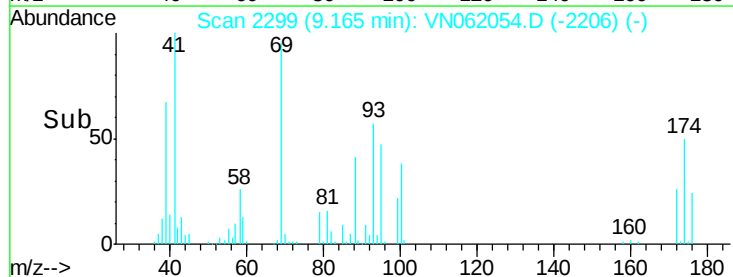
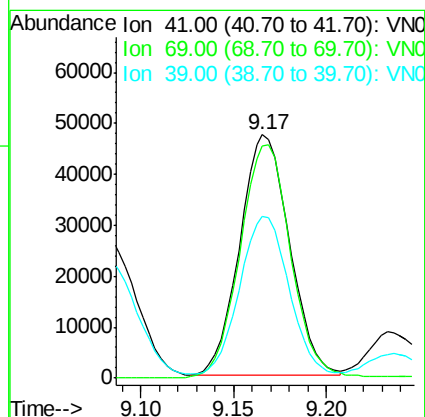
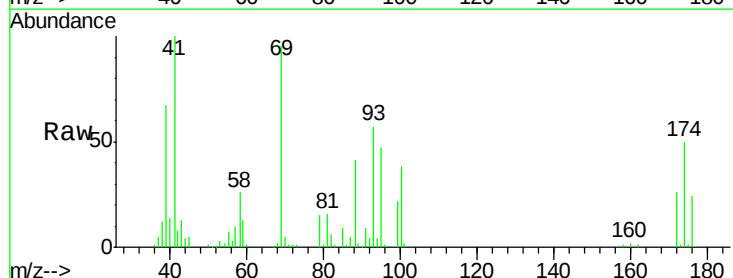
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Tgt Ion:	41	Resp:	88495
Ion	Ratio	Lower	Upper
41	100		
69	98.9	83.0	124.4
39	67.9	55.1	82.7





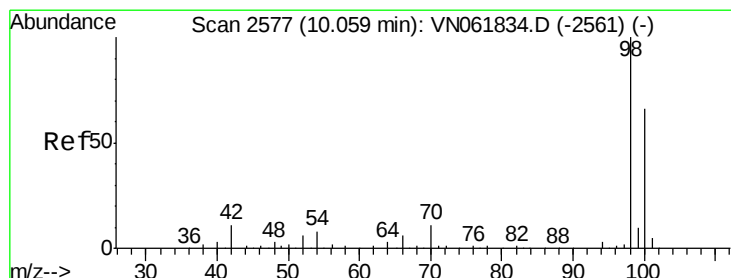
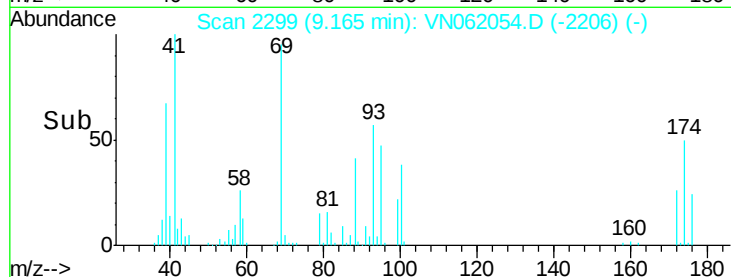
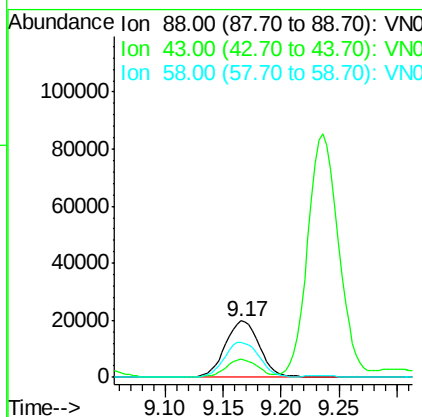
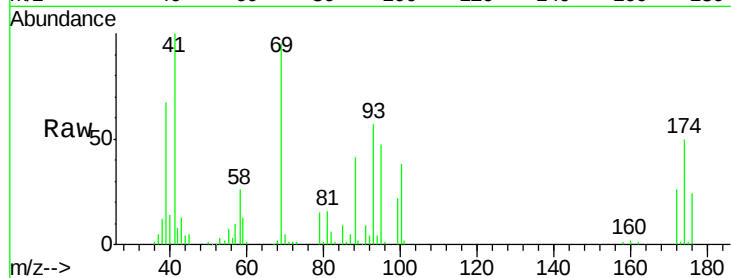
#49
1,4-Dioxane
Concen: 1145.849 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.4	35.2
58	63.3	49.8	74.6

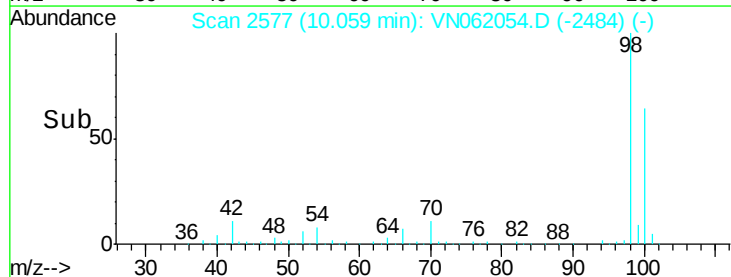
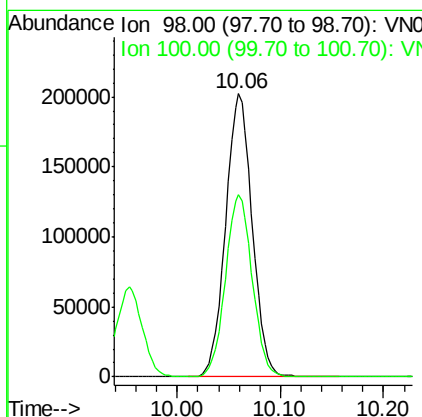
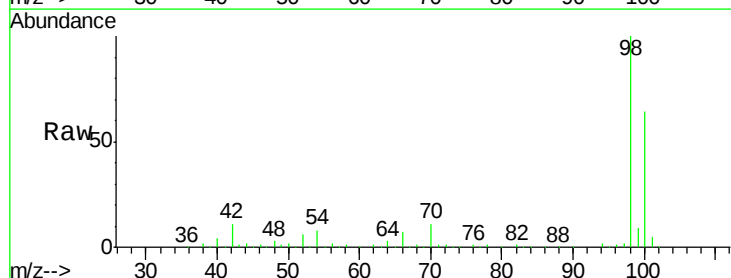
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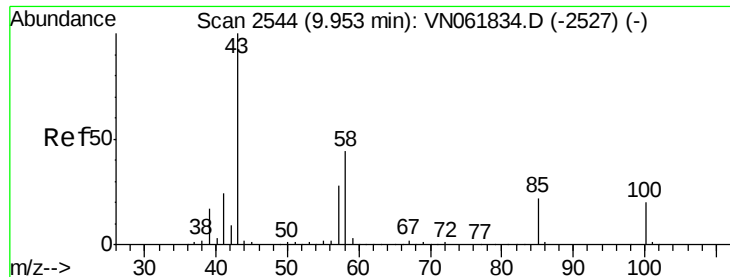
MMDadoda
6/24/2020 10:59:22 AM



#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 303.314 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 609497

Ion Ratio Lower Upper

43 100

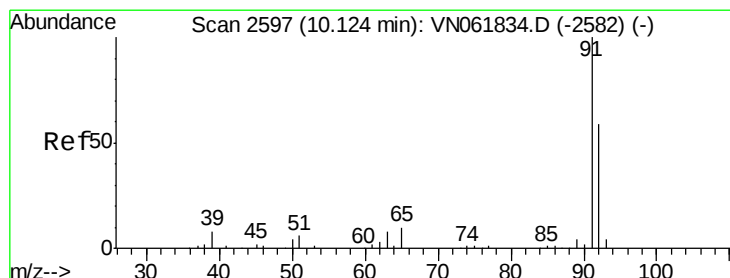
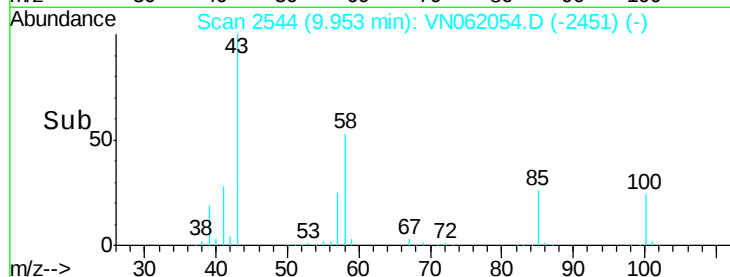
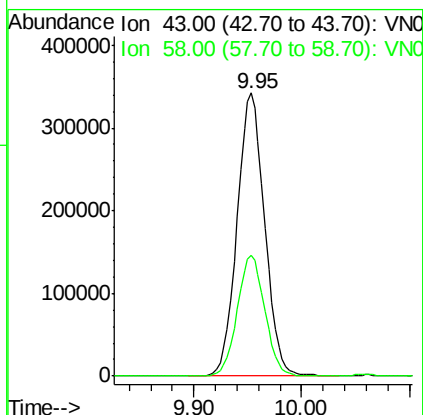
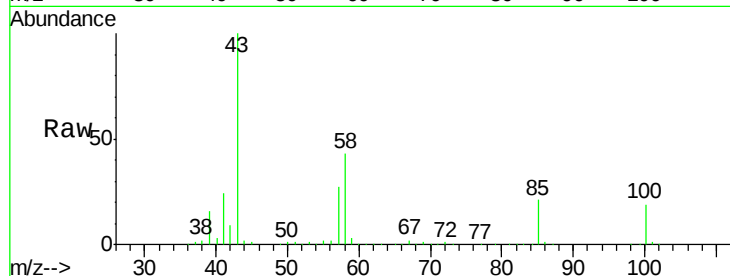
58 42.6 34.6 52.0

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#52

Toluene

Concen: 51.847 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062054.D

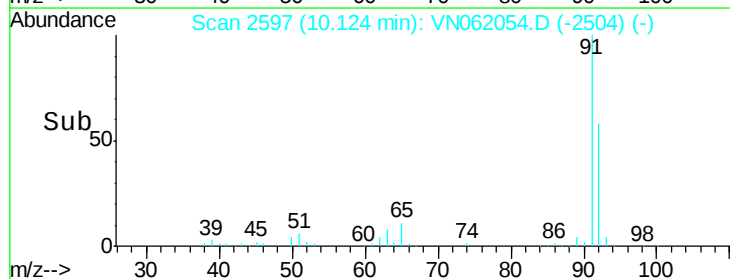
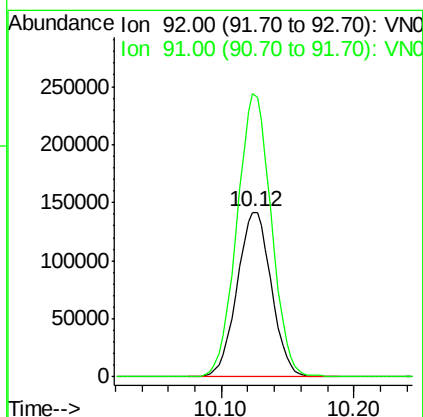
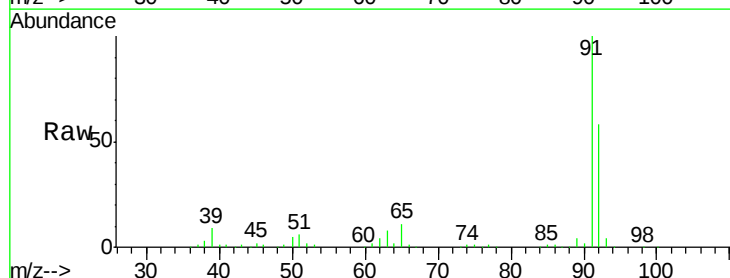
Acq: 23 Jun 2020 20:14

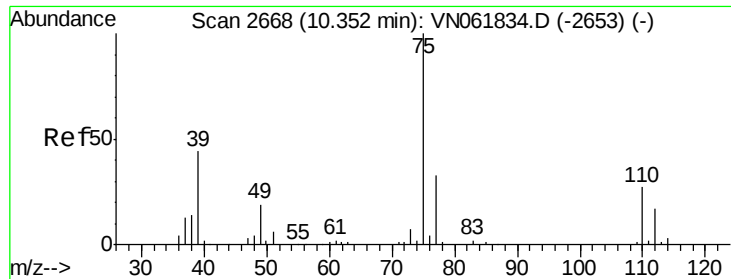
Tgt Ion: 92 Resp: 254871

Ion Ratio Lower Upper

92 100

91 172.2 137.1 205.7





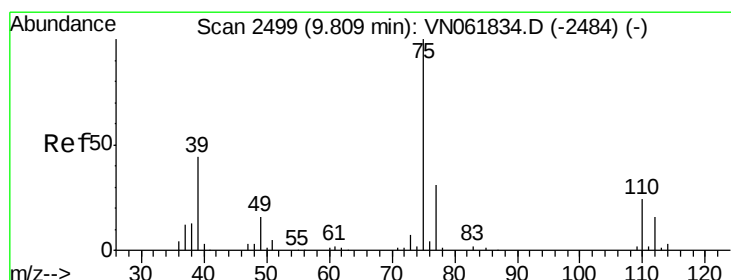
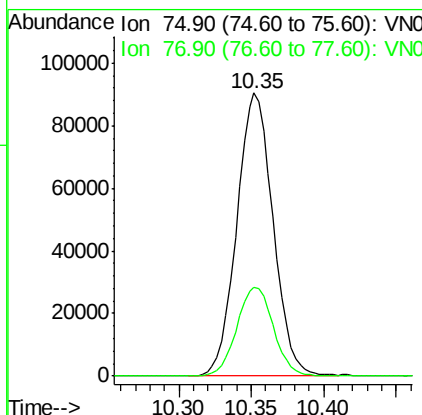
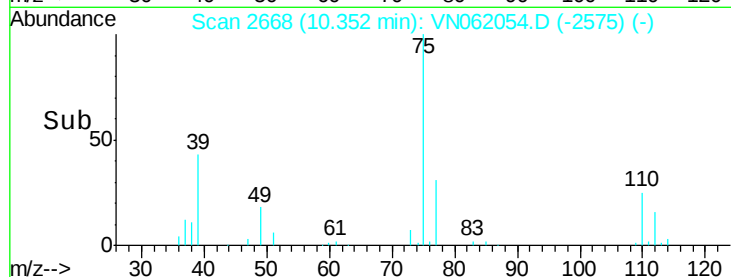
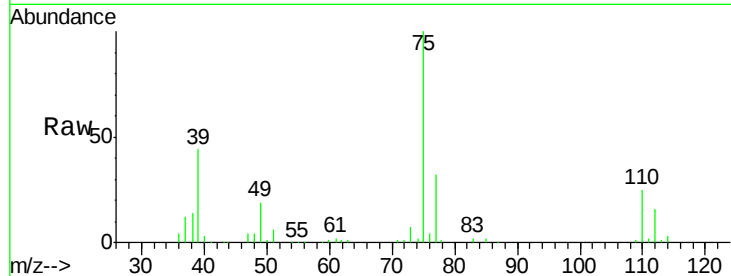
#53
t-1,3-Dichloropropene
Concen: 53.369 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 157143
Ion Ratio Lower Upper
75 100
77 31.5 26.3 39.5

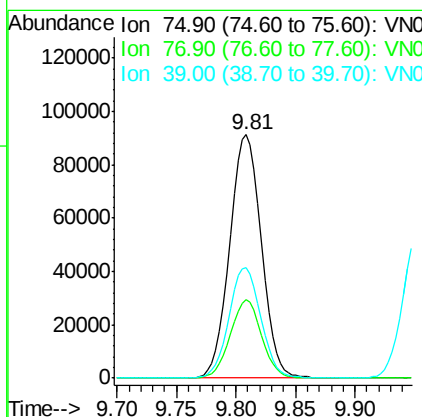
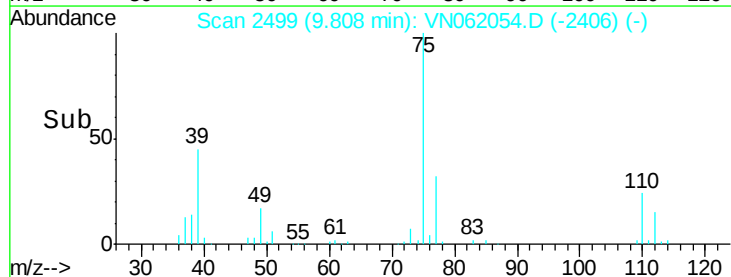
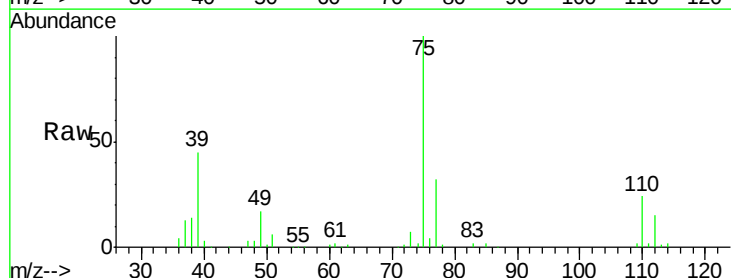
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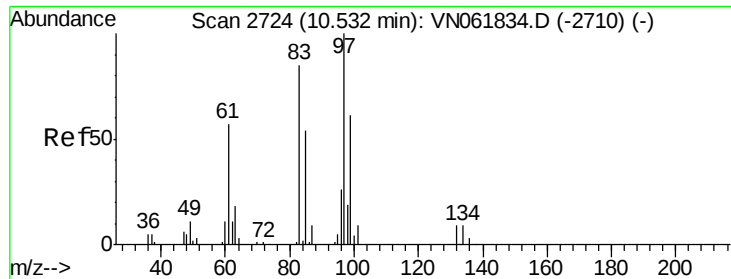
MMDadoda
6/24/2020 10:59:22 AM



#54
cis-1,3-Dichloropropene
Concen: 52.819 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion: 75 Resp: 168924
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 45.3 35.4 53.0





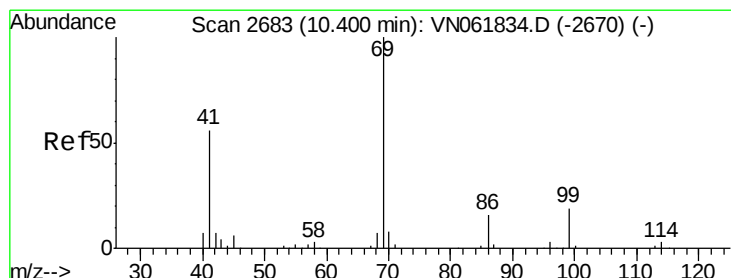
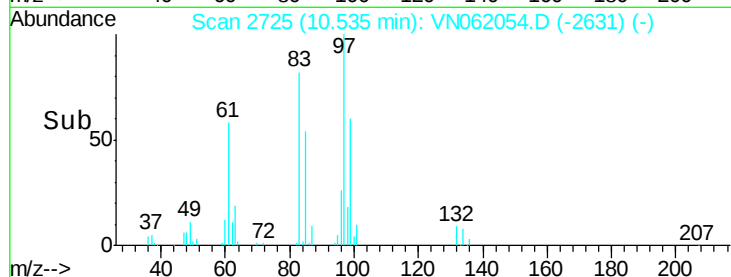
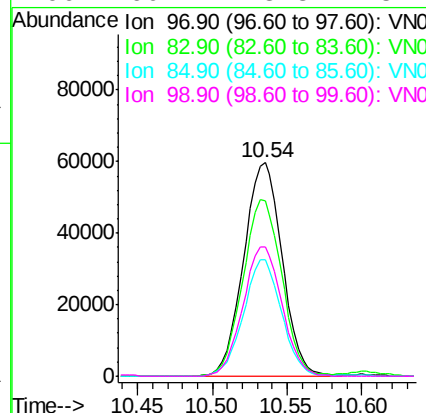
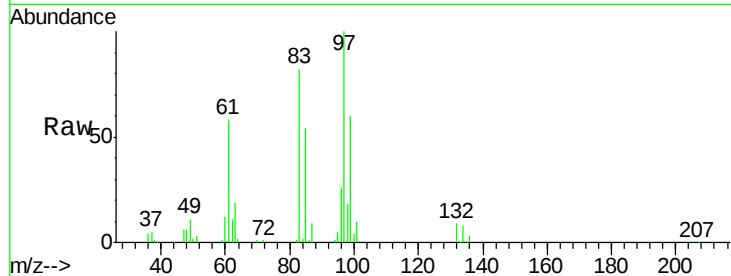
#55
 1,1,2-Trichloroethane
 Concen: 55.459 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.7	101.5
85	54.4	43.4	65.0
99	60.4	48.8	73.2

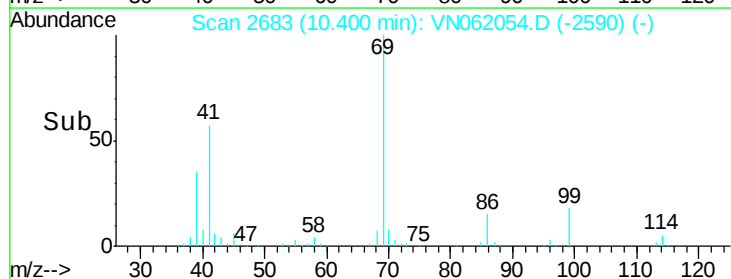
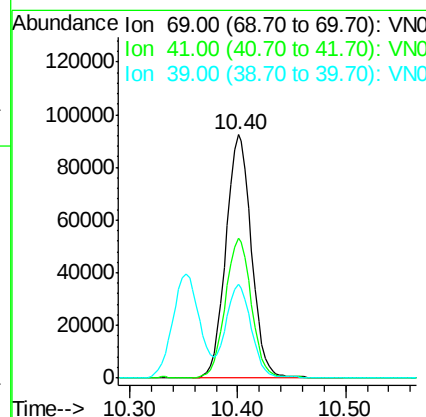
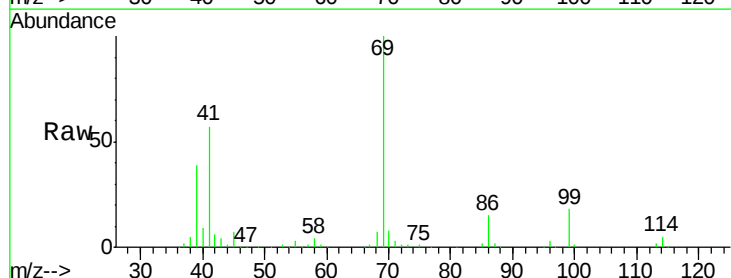
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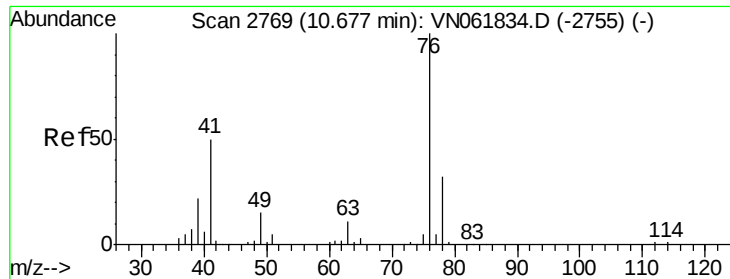
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#56
 Ethyl methacrylate
 Concen: 51.582 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.1	44.9	67.3
39	38.1	30.0	45.0





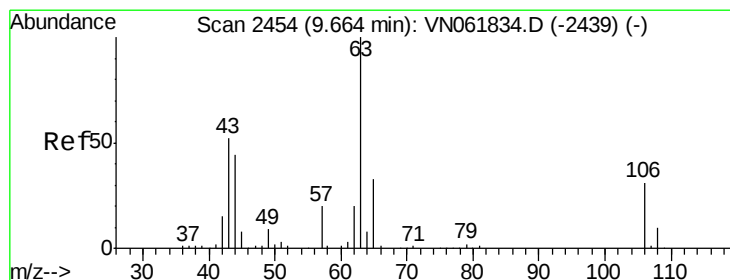
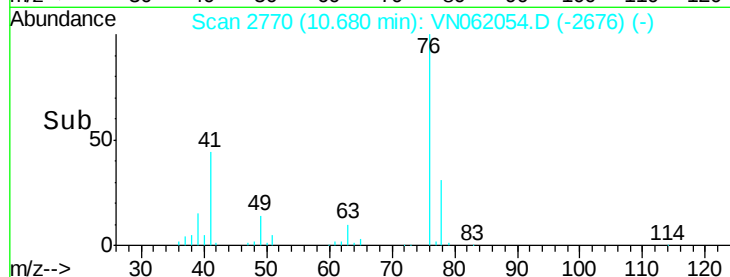
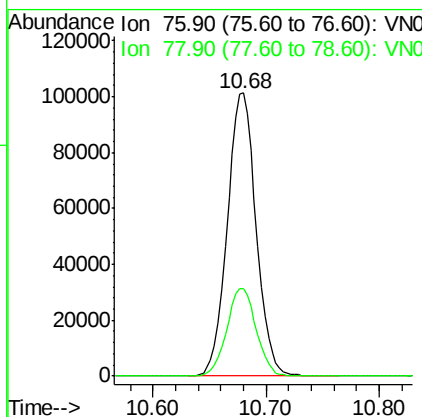
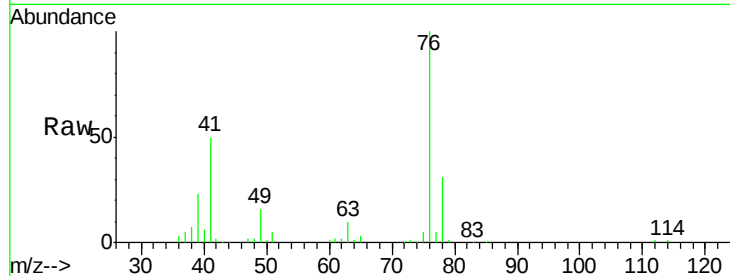
#57
 1,3-Dichloropropane
 Concen: 54.794 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 179543
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

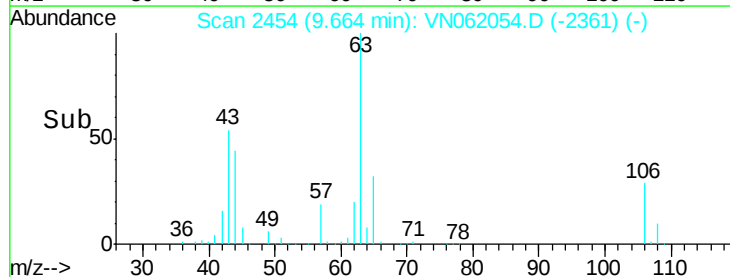
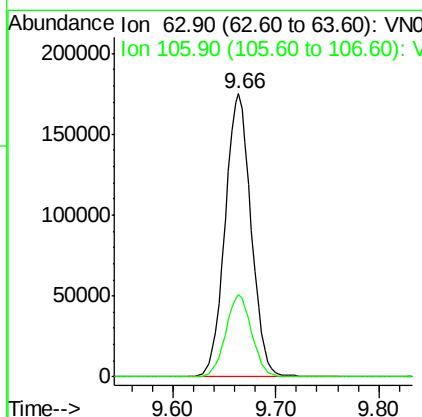
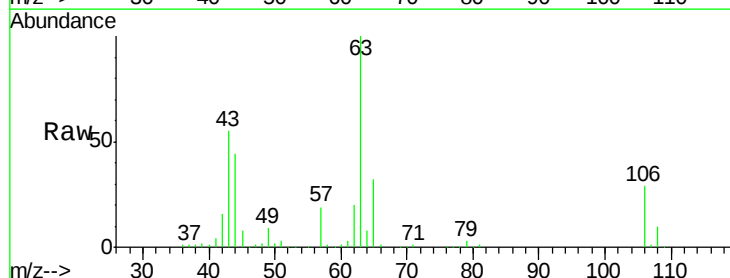
Manual Integrations
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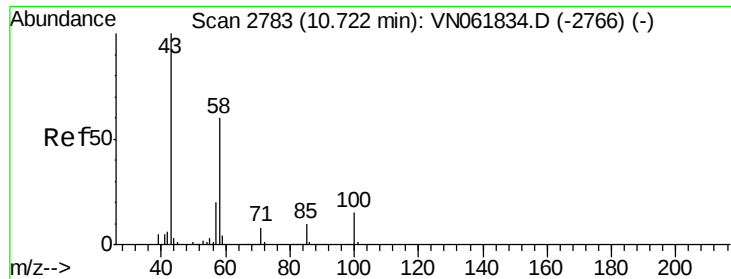
MMDadoda
 6/24/2020 10:59:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.157 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion: 63 Resp: 307409
 Ion Ratio Lower Upper
 63 100
 106 28.8 24.6 36.8





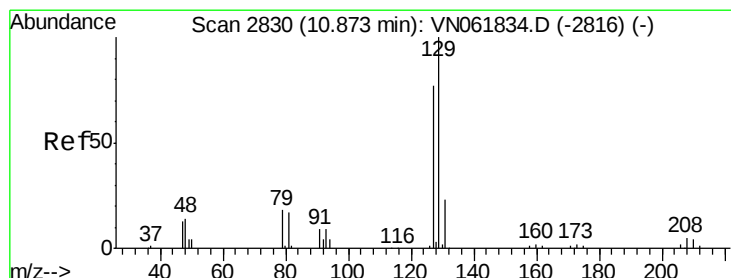
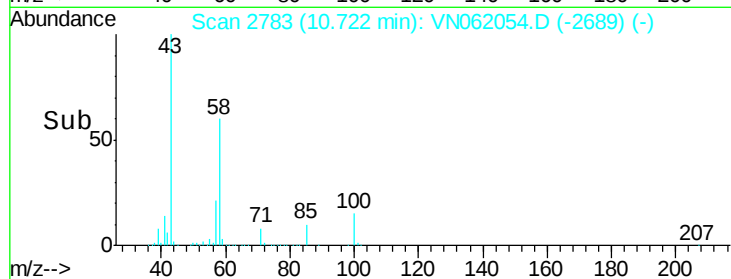
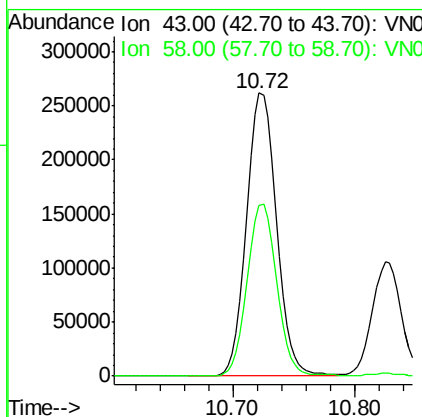
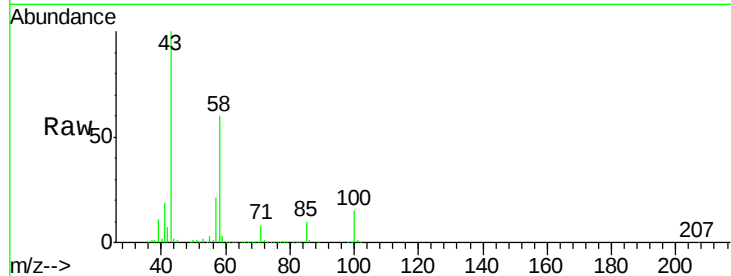
#59
2-Hexanone
Concen: 274.755 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	443339
Ion Ratio	100	Lower	Upper
43	100		
58	60.0	30.1	90.5

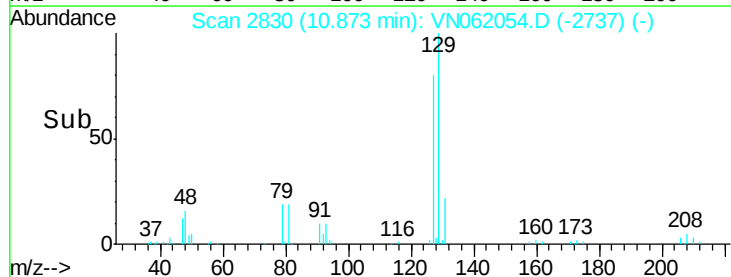
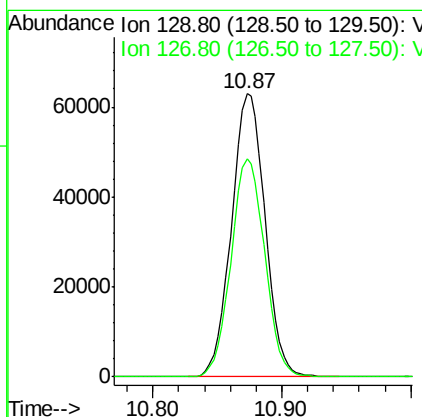
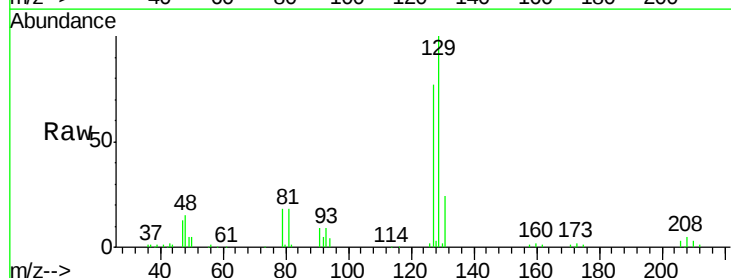
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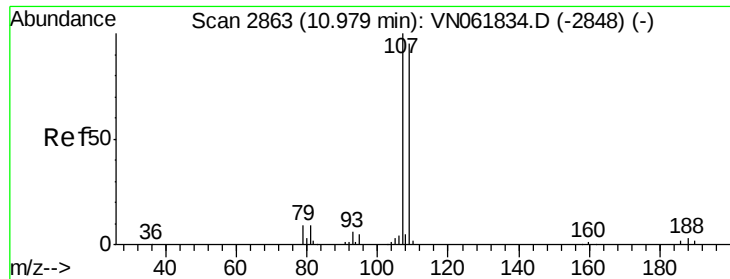
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#60
Dibromochloromethane
Concen: 52.689 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	129	Resp	113713
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.5	115.5





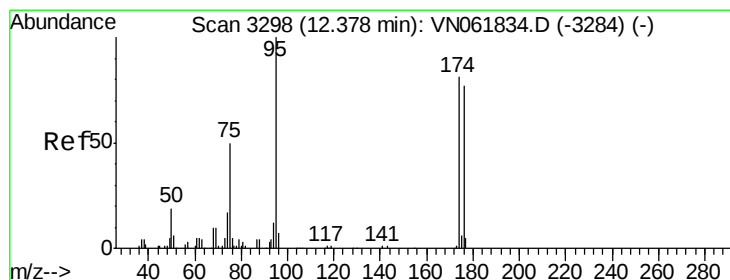
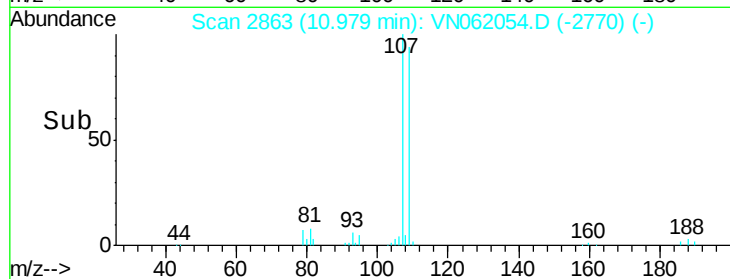
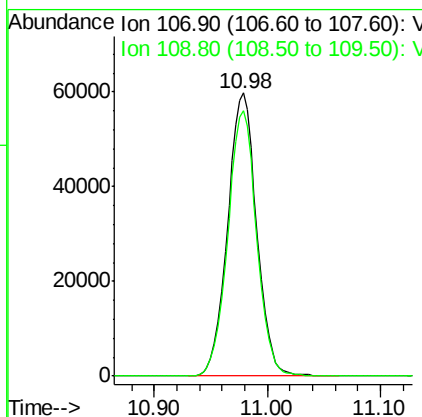
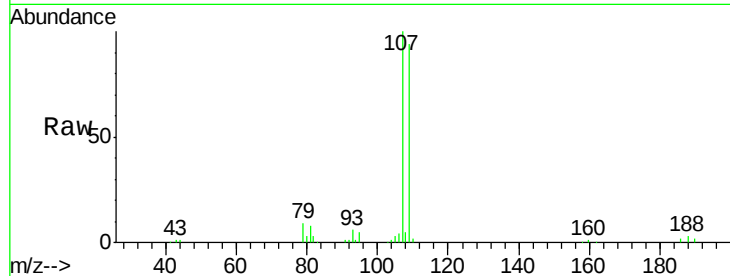
#61
 1,2-Dibromoethane
 Concen: 52.589 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

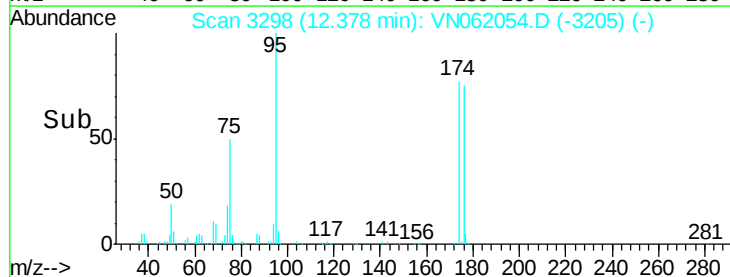
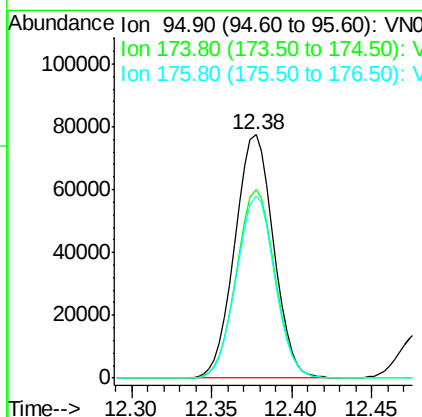
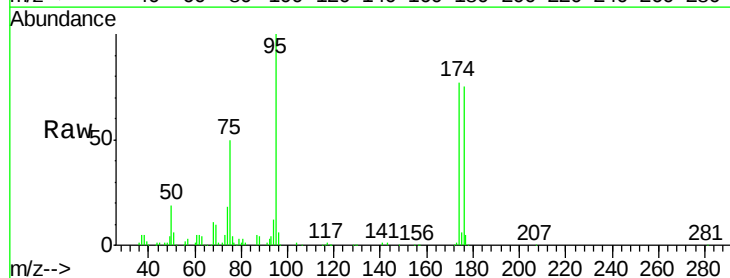
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#62
 4-Bromofluorobenzene
 Concen: 52.275 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	158.6
176	74.5	0.0	152.0





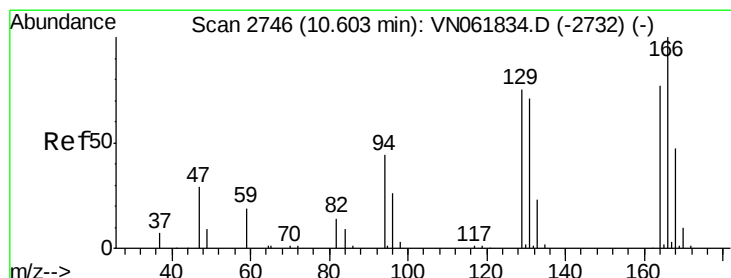
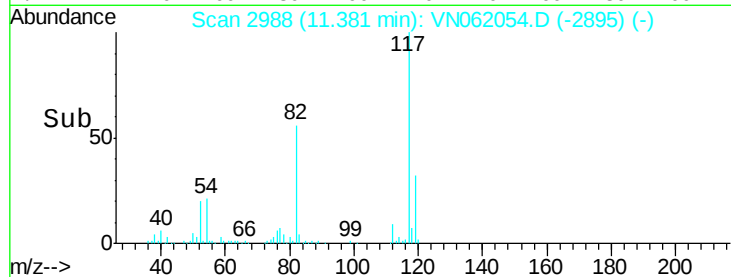
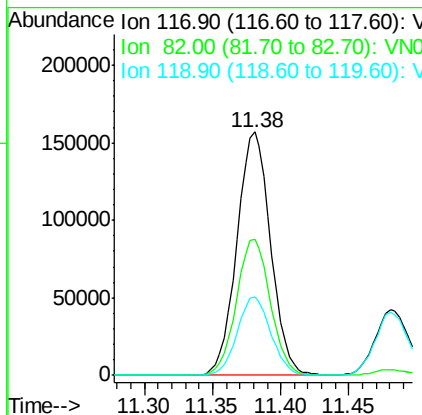
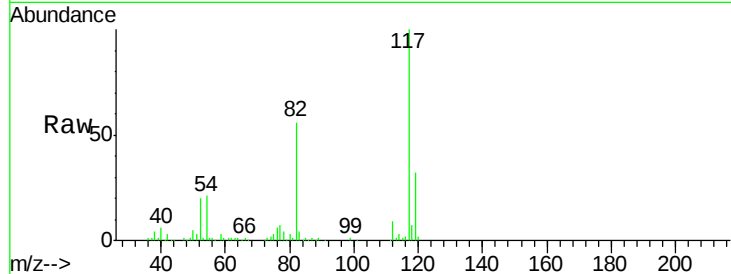
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.6	64.0
119	32.2	24.7	37.1

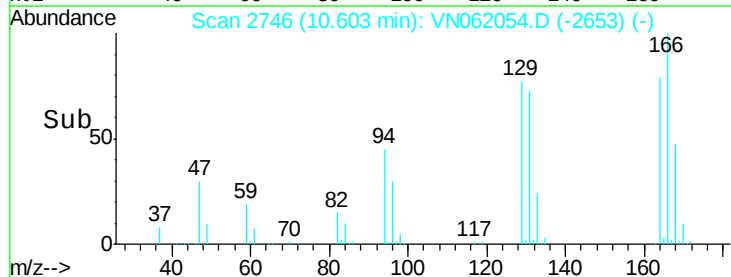
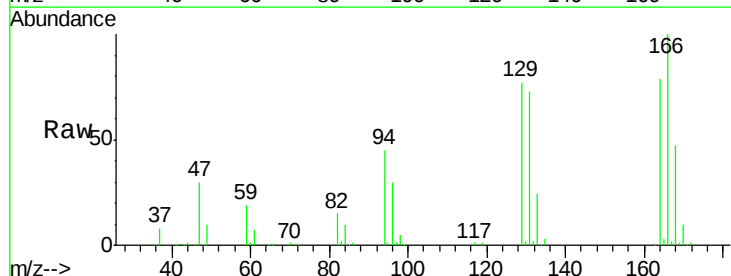
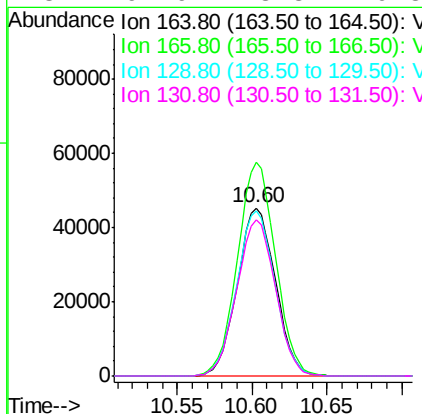
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#64
Tetrachloroethene
Concen: 46.792 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.5	155.3
129	97.9	77.5	116.3
131	92.9	73.8	110.8





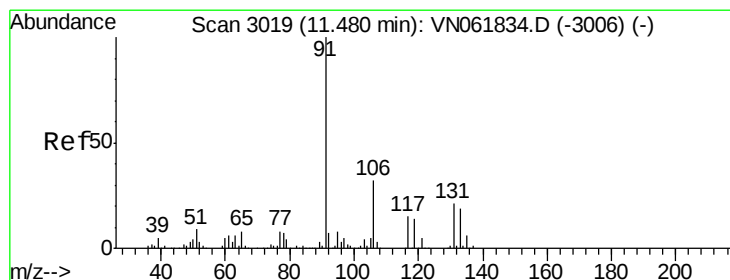
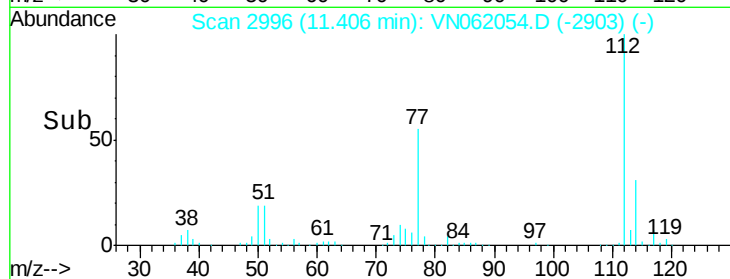
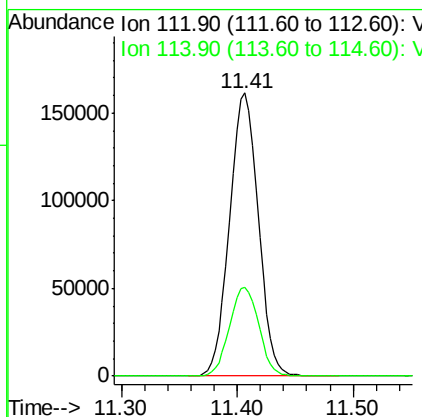
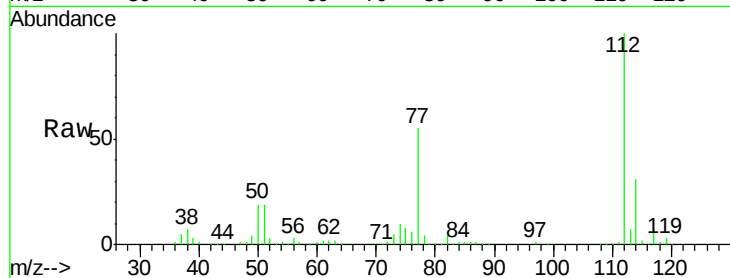
#65
Chlorobenzene
Concen: 48.530 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 276104
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

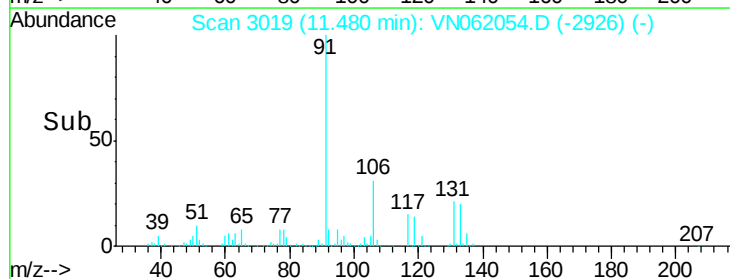
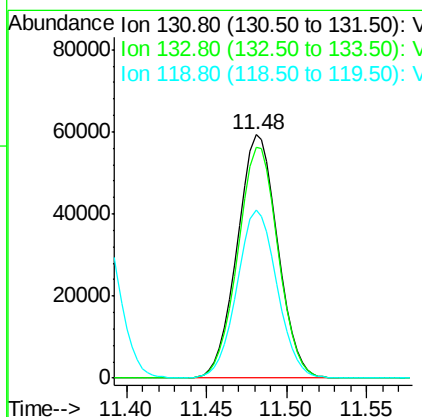
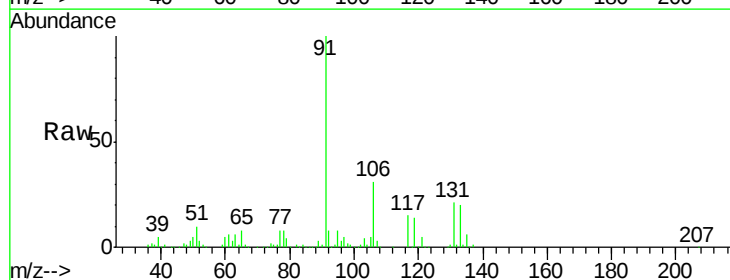
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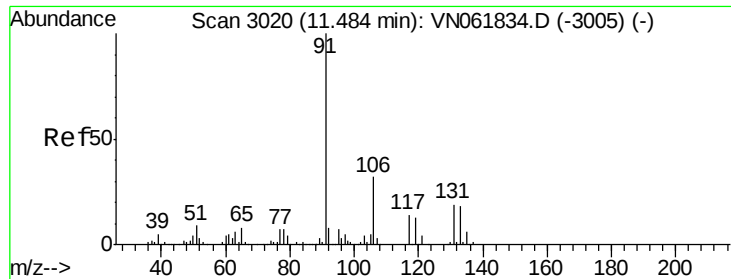
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.380 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion:131 Resp: 101950
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 68.6 34.0 101.8





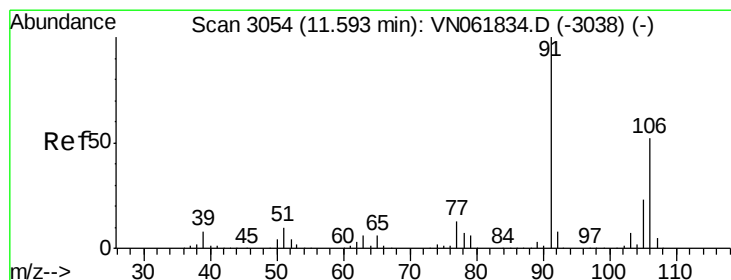
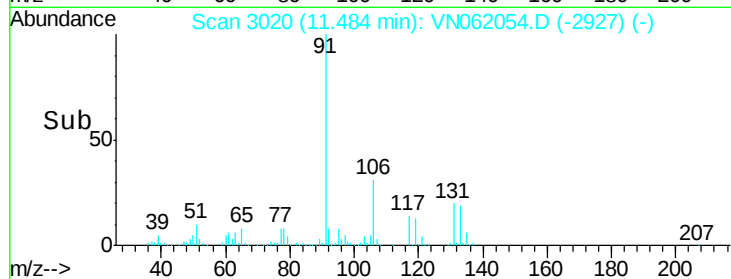
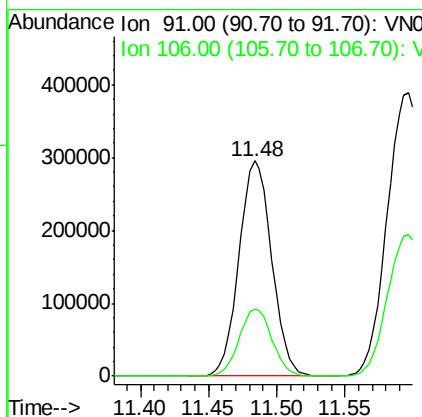
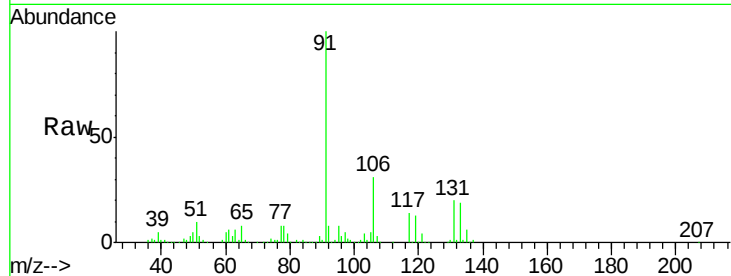
#67
Ethyl Benzene
Concen: 51.705 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 493211
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

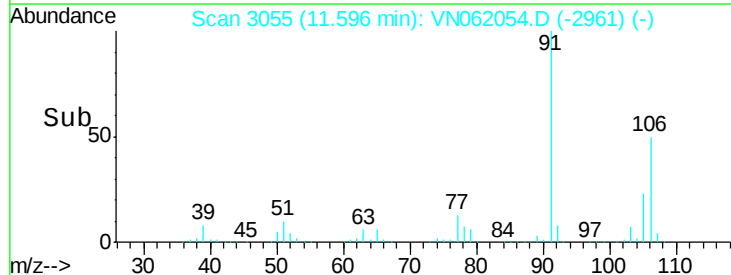
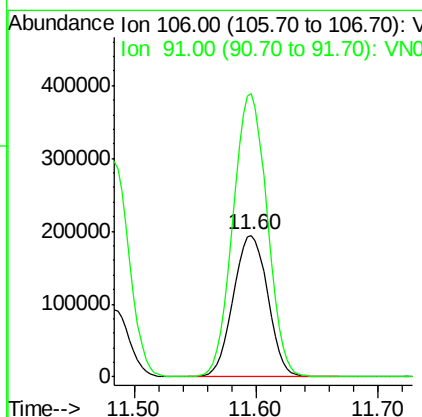
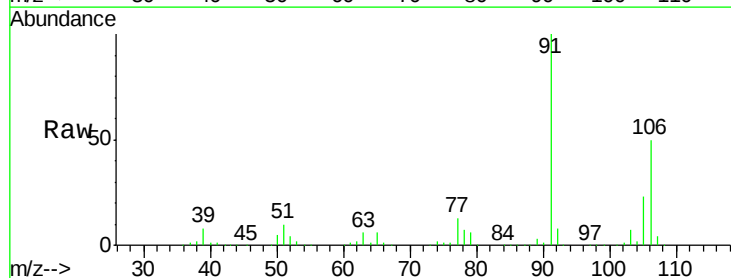
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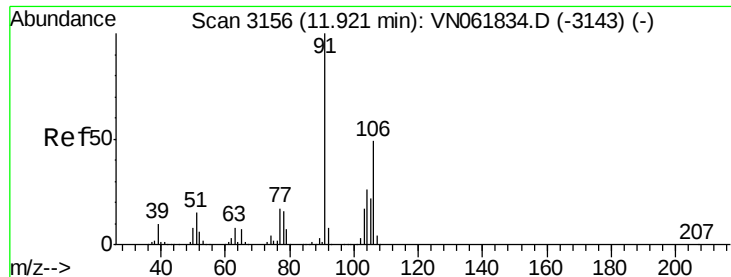
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#68
m/p-Xylenes
Concen: 103.191 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion: 106 Resp: 379558
Ion Ratio Lower Upper
106 100
91 198.9 157.0 235.6





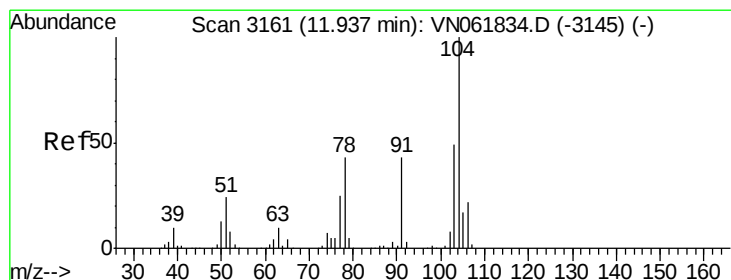
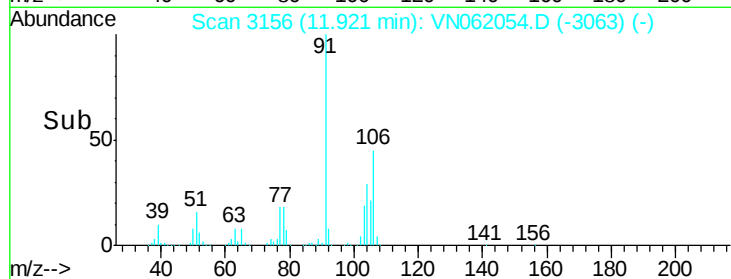
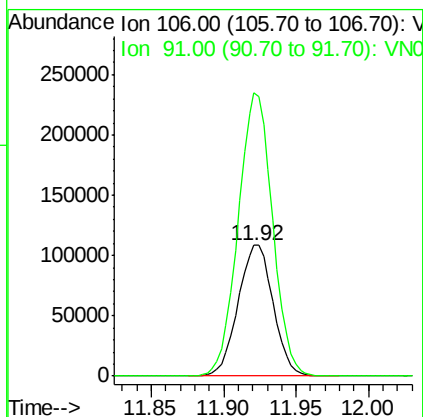
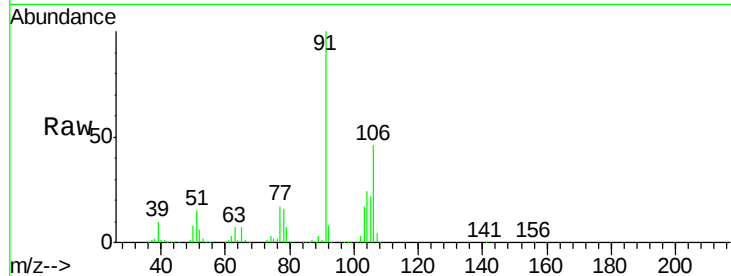
#69
o-Xylene
Concen: 52.114 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	103.0	308.9	

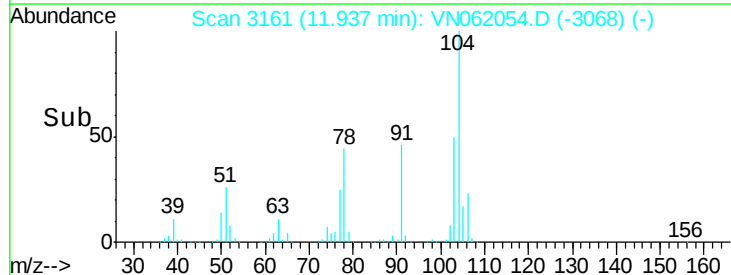
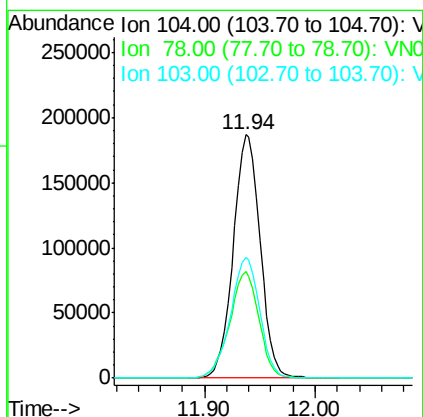
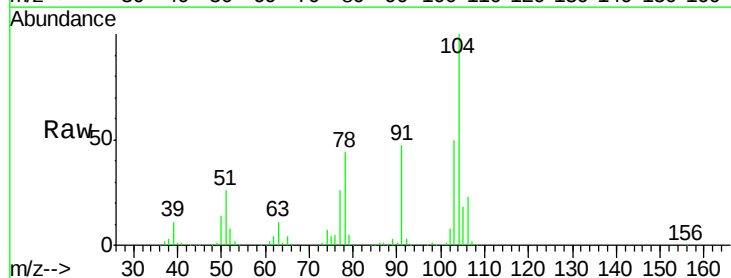
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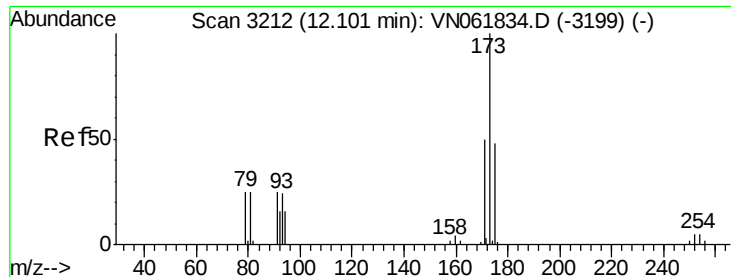
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#70
Styrene
Concen: 53.938 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	37.6	56.4	
103	53.7	43.0	64.4	





#71

Bromoform

Concen: 52.557 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 76039

Ion Ratio Lower Upper

173 100

175 49.0 23.9 71.7

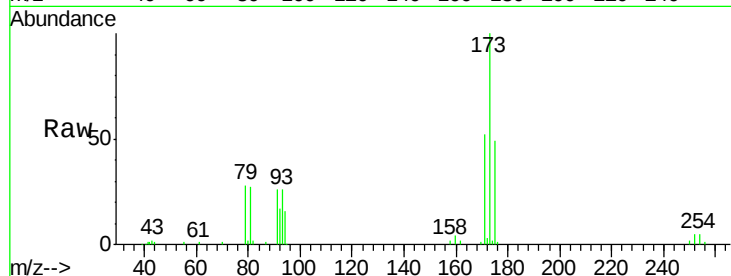
254 0.0 0.0 0.0

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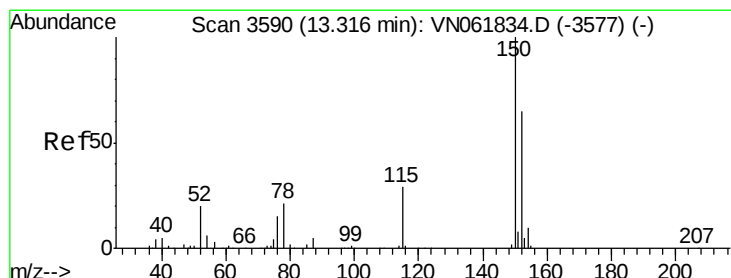
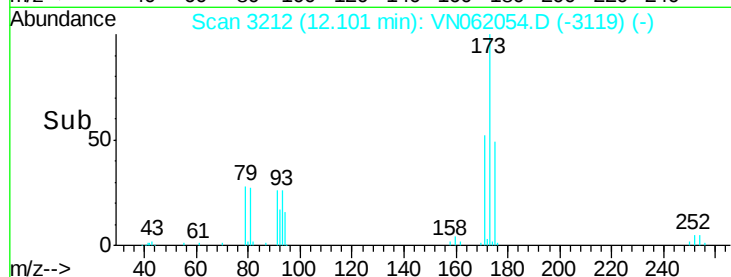
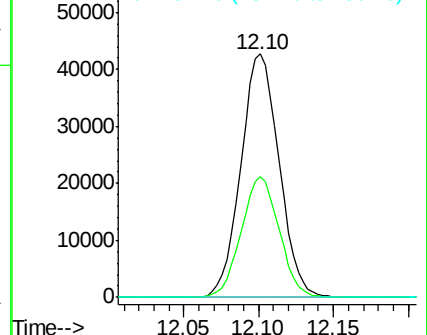
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

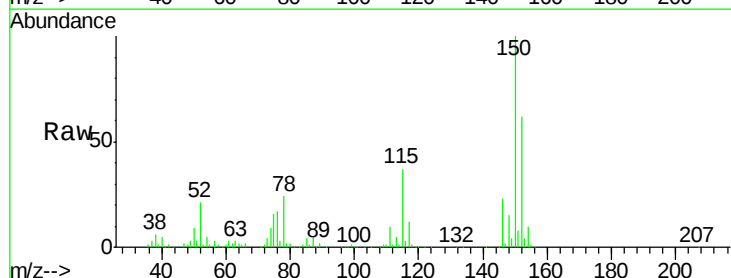
Tgt Ion:152 Resp: 132010

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.3

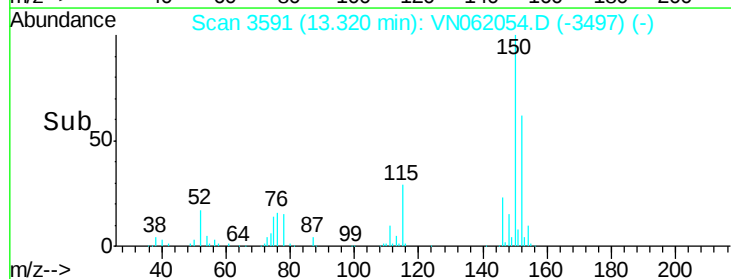
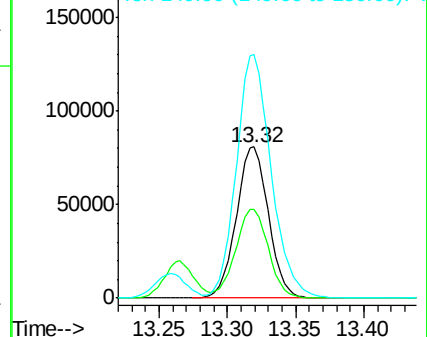
150 175.4 0.0 347.6

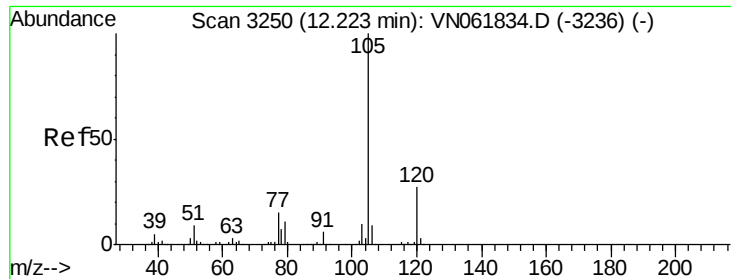


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.145 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 489158

Ion Ratio Lower Upper

105 100

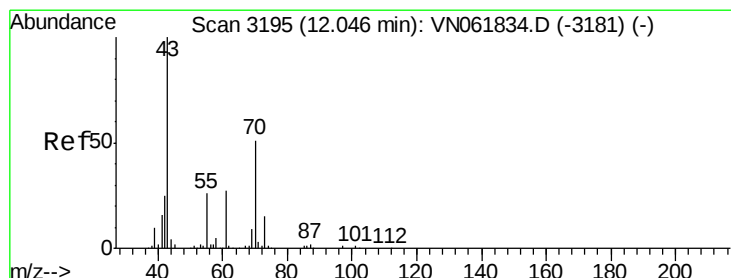
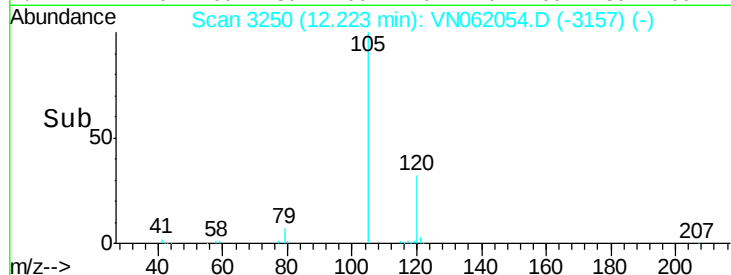
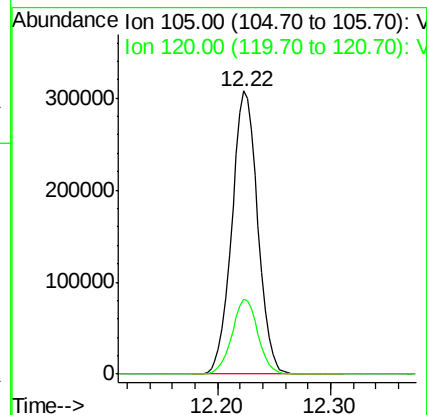
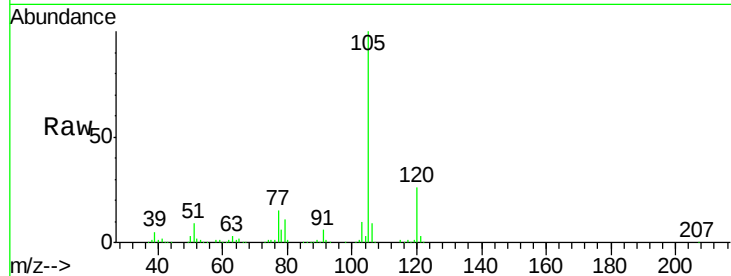
120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 52.560 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Tgt Ion: 43 Resp: 179123

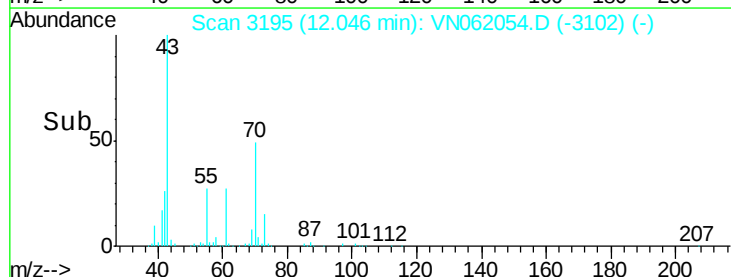
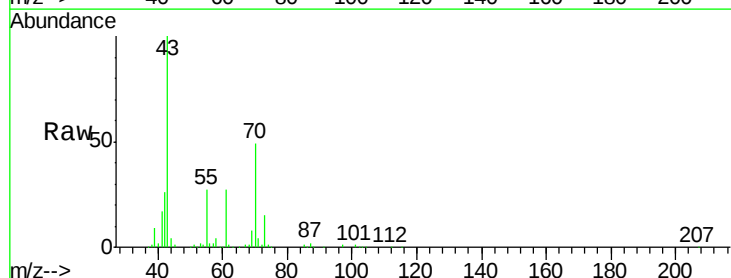
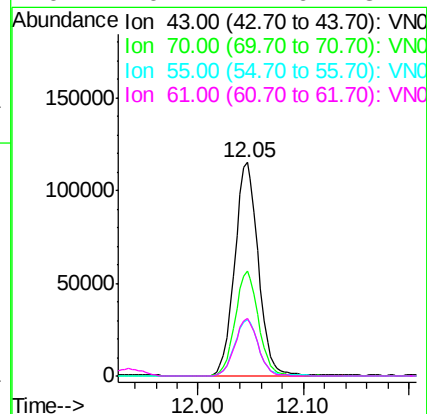
Ion Ratio Lower Upper

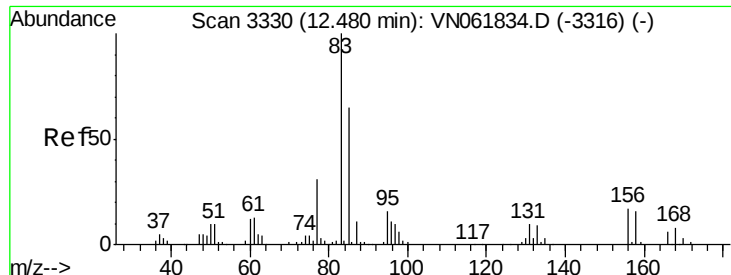
43 100

70 48.3 40.6 60.8

55 26.9 21.5 32.3

61 26.4 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.671 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

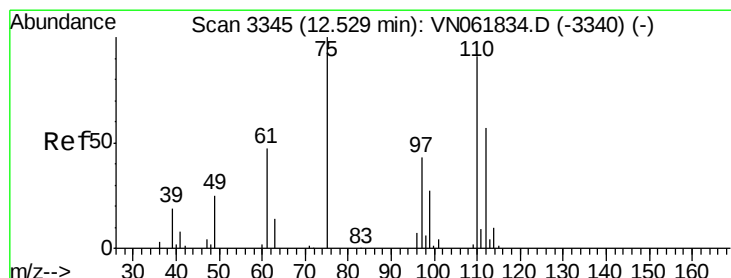
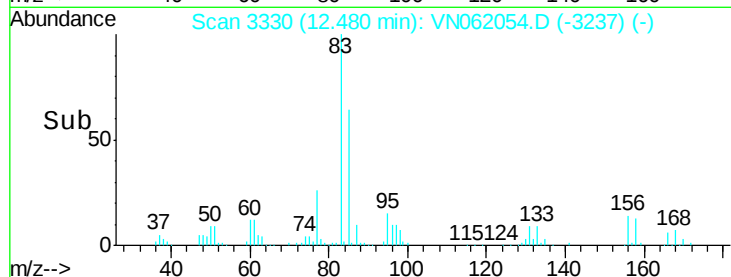
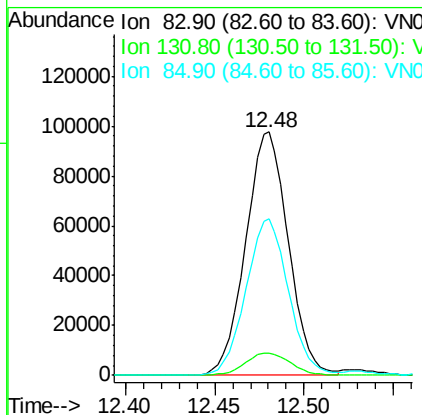
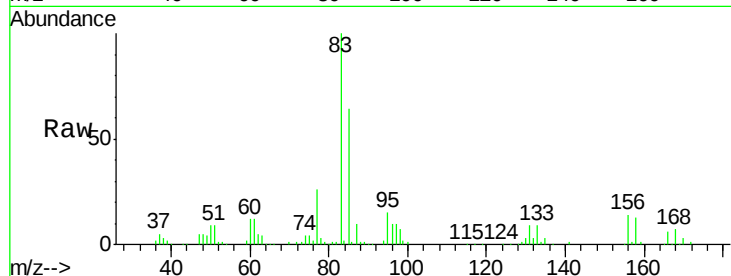
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163692
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	63.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 56.900 ug/l m

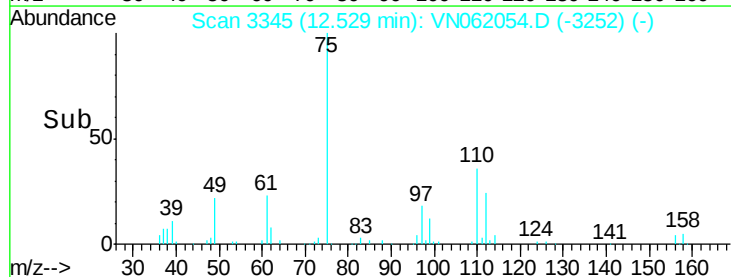
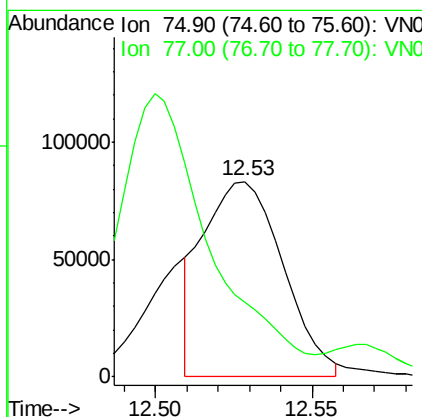
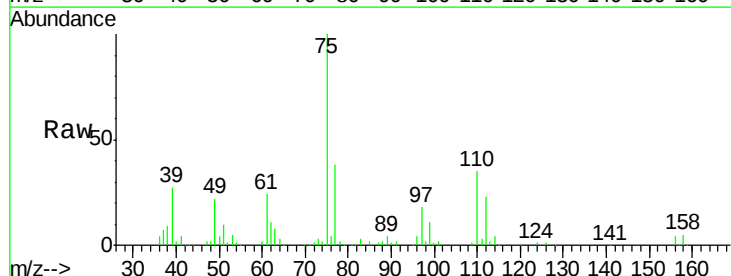
RT: 12.53 min Scan# 3345

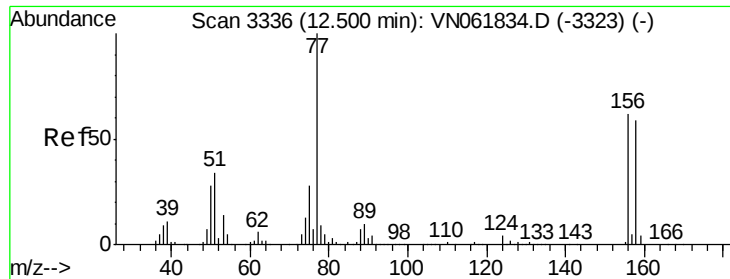
Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Tgt Ion:	75	Resp:	147468
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.148 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

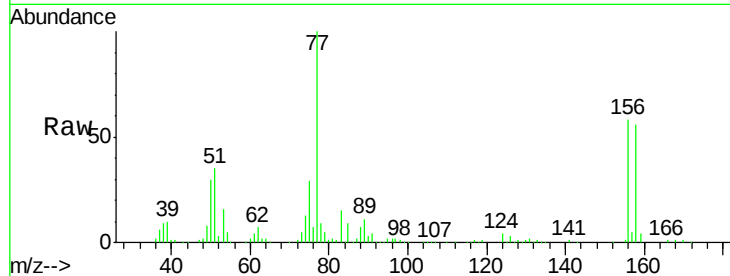
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.1	100.7	302.1
158	95.9	48.5	145.5

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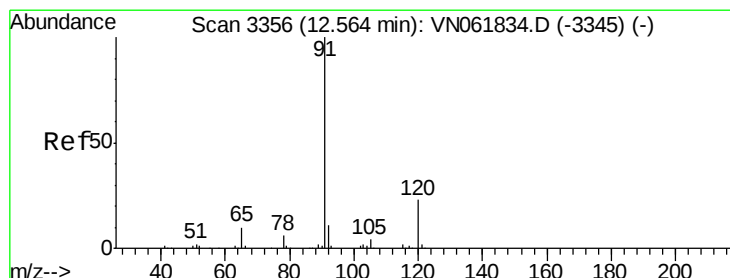
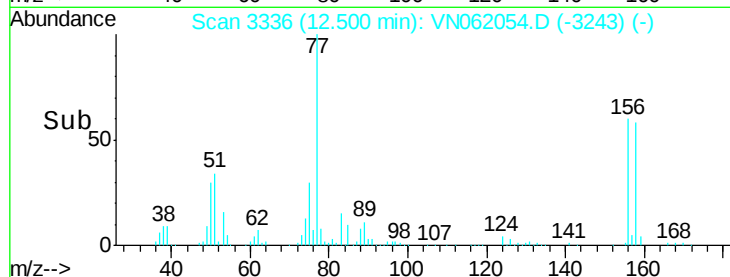
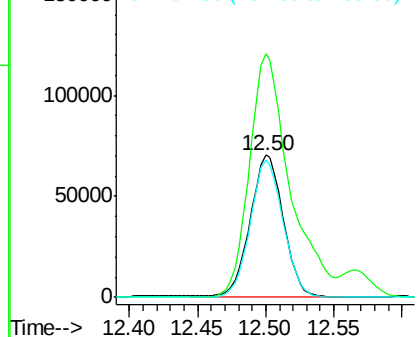
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.564 ug/l

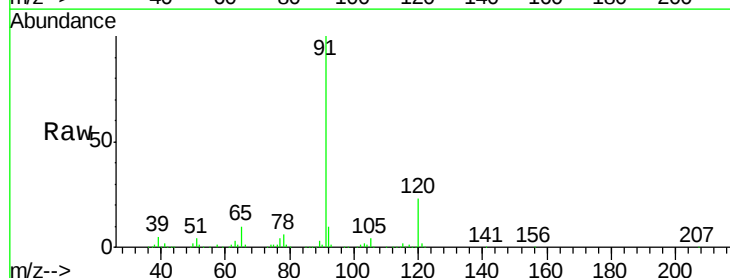
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062054.D

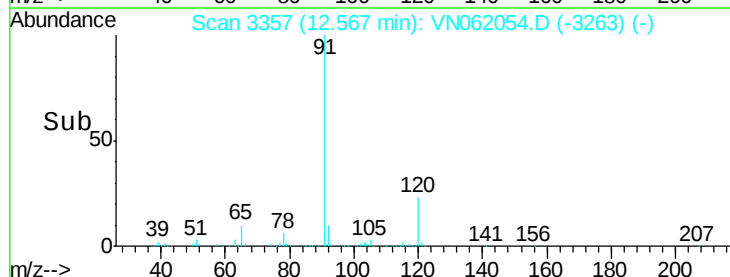
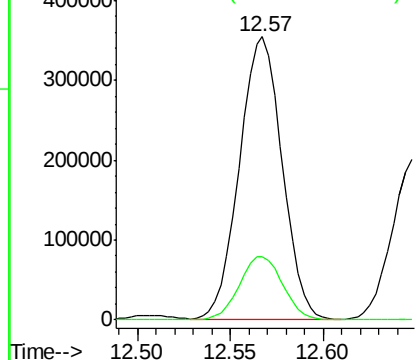
Acq: 23 Jun 2020 20:14

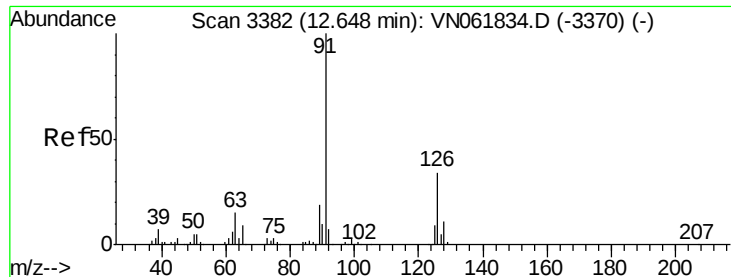
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.729 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 332548

Ion Ratio Lower Upper

91 100

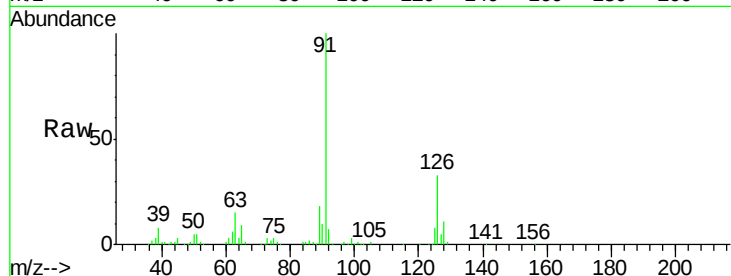
126 33.8 17.3 51.7

Manual Integrations

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

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

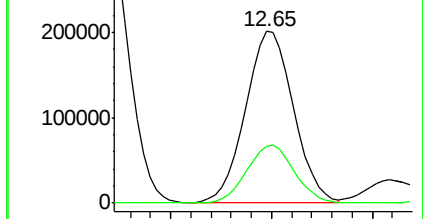
300000

200000

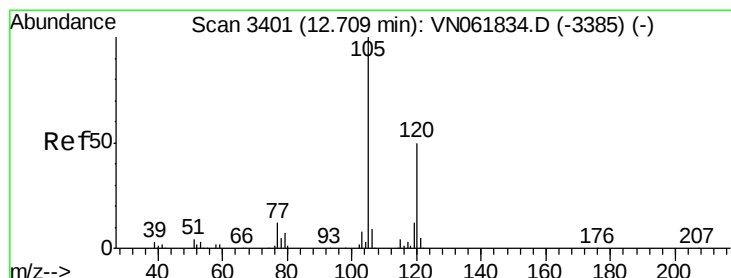
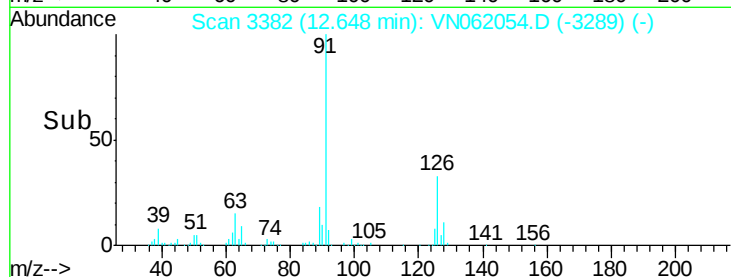
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.187 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062054.D

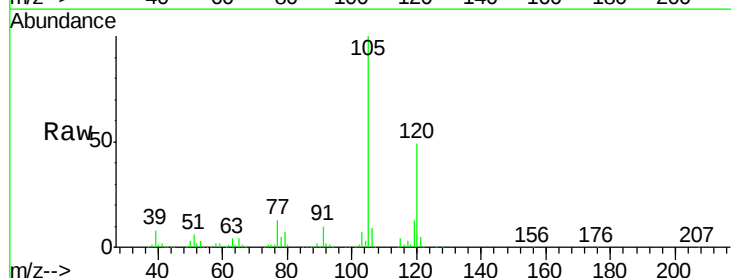
Acq: 23 Jun 2020 20:14

Tgt Ion: 105 Resp: 405020

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) (-)

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

300000

250000

200000

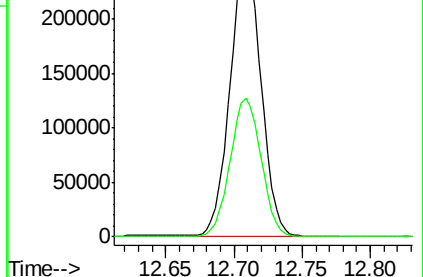
150000

100000

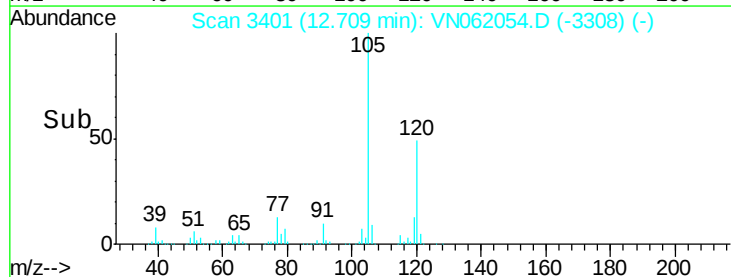
50000

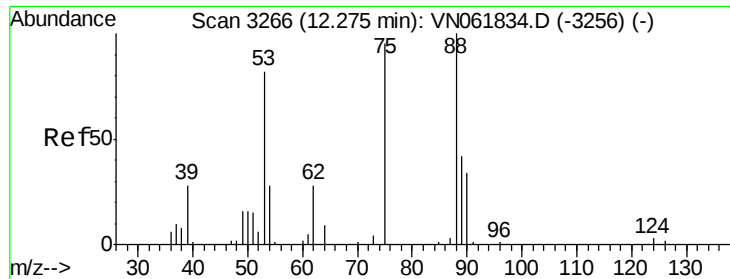
0

12.65 12.70 12.75 12.80



Time-->





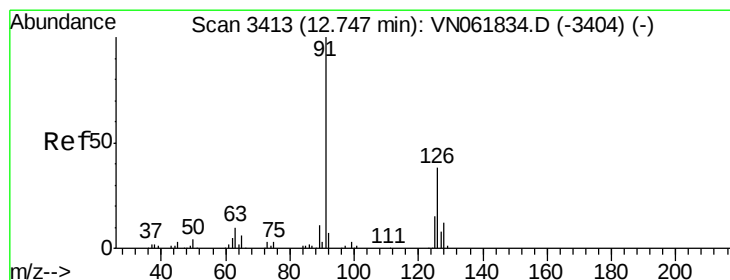
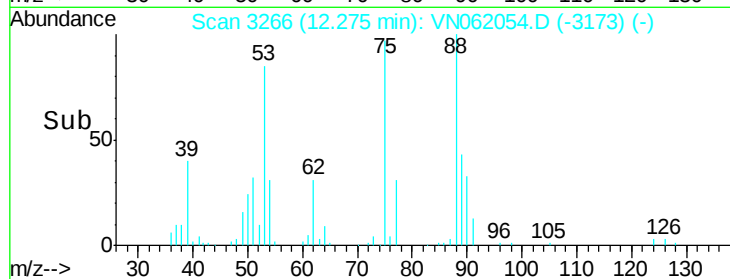
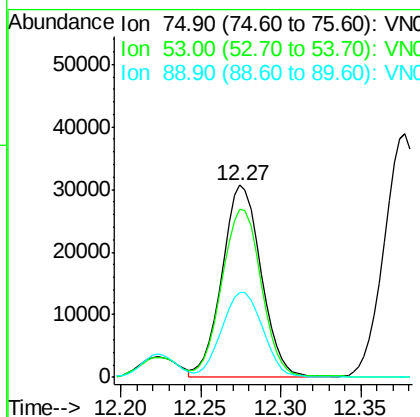
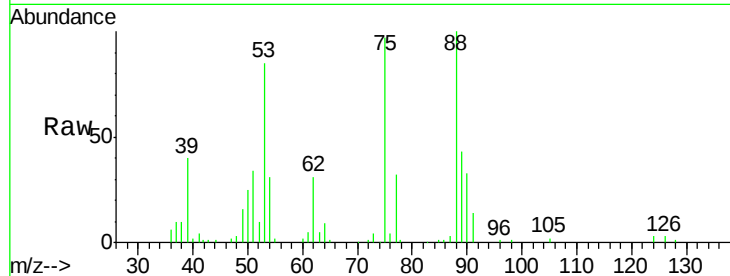
#81
trans-1,4-Dichloro-2-butene
Concen: 53.907 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.0	70.4	105.6
89	46.2	36.0	54.0

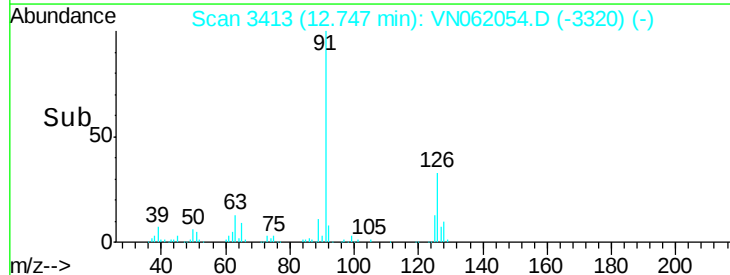
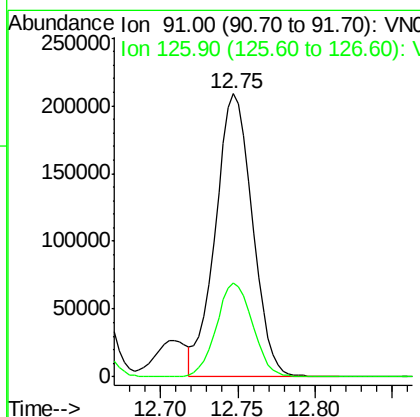
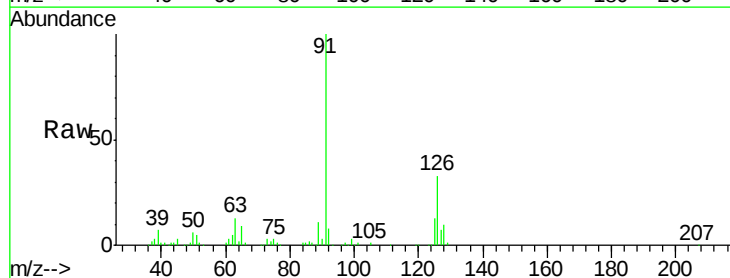
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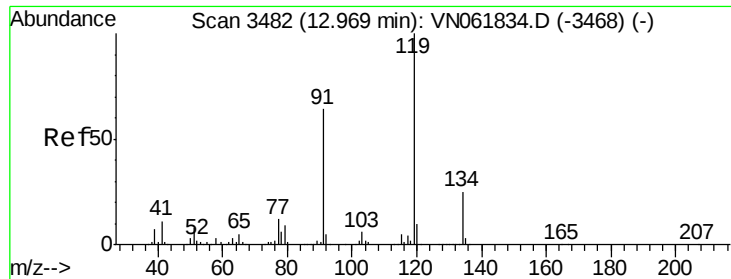
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#82
4-Chlorotoluene
Concen: 51.951 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.2	51.6





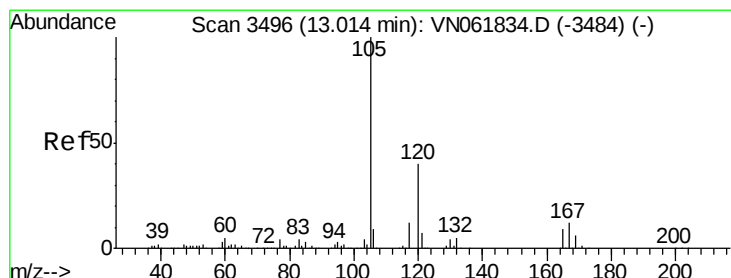
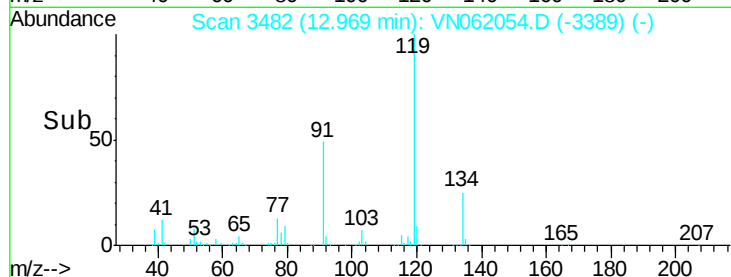
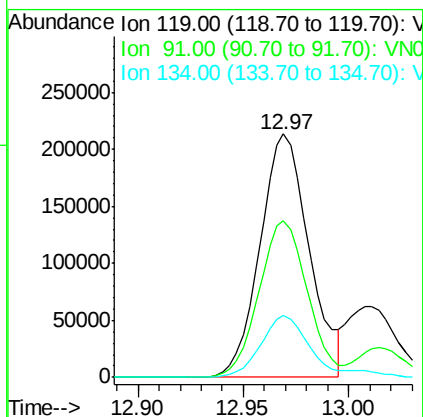
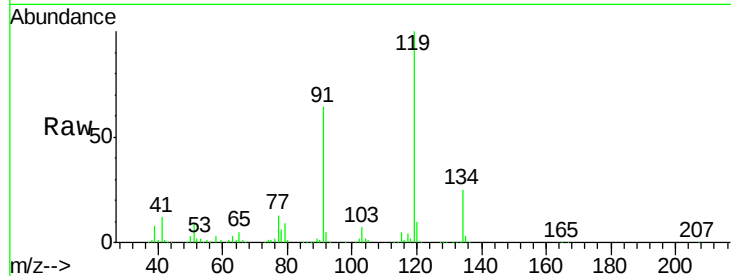
#83
tert-Butylbenzene
Concen: 52.564 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.5	94.5
134	24.5	13.3	39.9

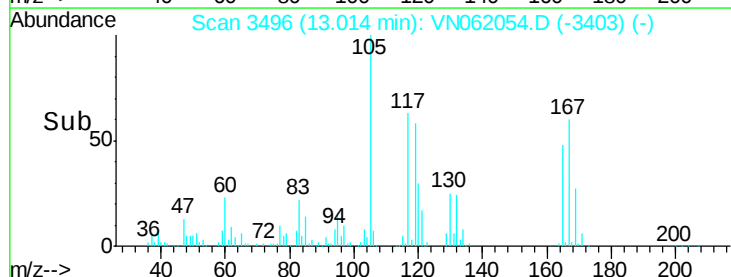
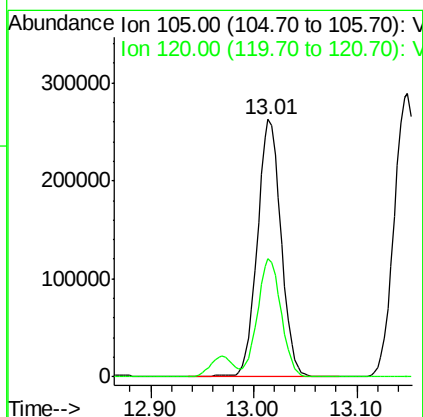
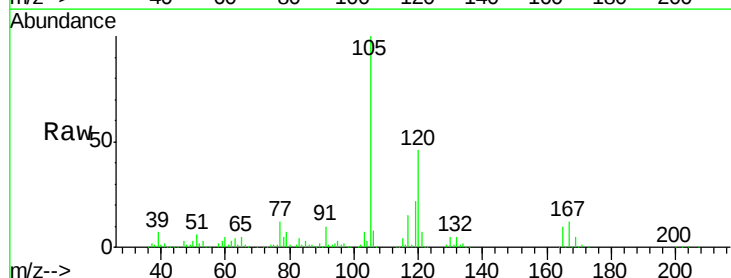
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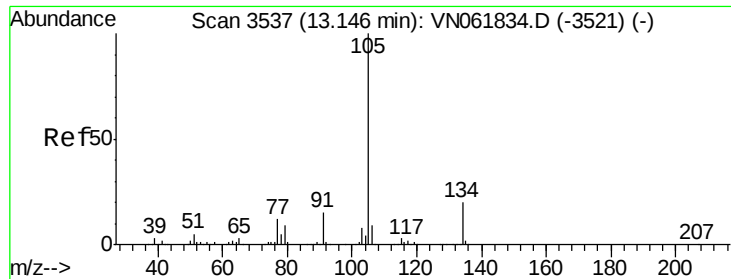
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#84
1,2,4-Trimethylbenzene
Concen: 54.469 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.9





#85

sec-Butylbenzene

Concen: 53.239 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 458482

Ion Ratio Lower Upper

105 100

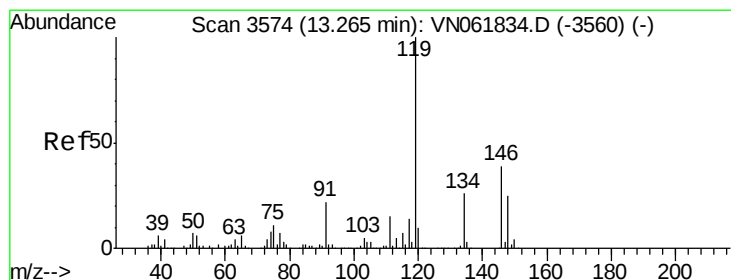
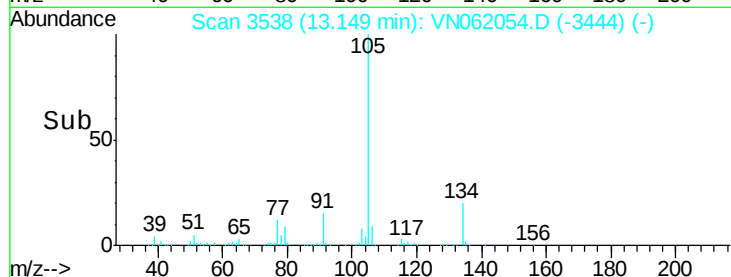
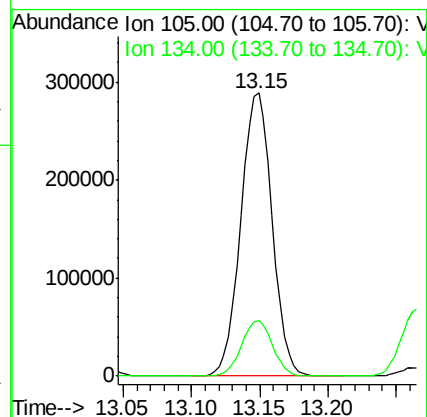
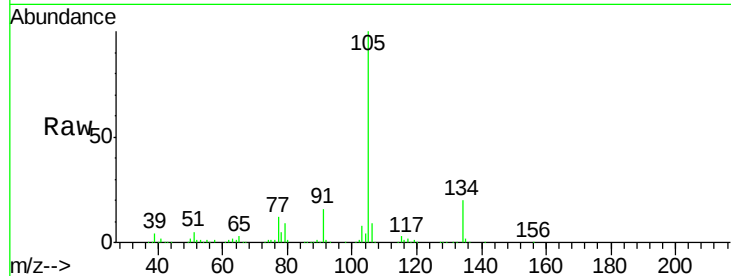
134 19.5 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.228 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062054.D

Acq: 23 Jun 2020 20:14

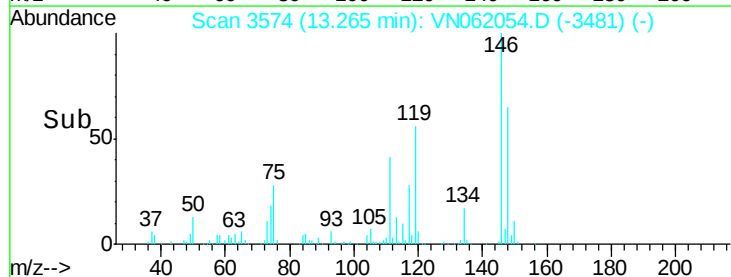
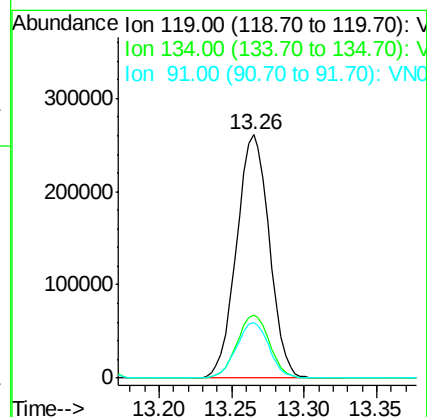
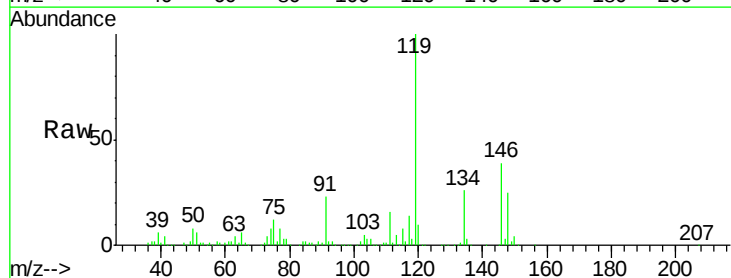
Tgt Ion:119 Resp: 408464

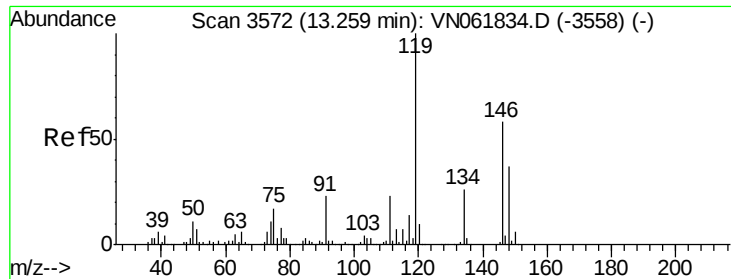
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 23.0 11.2 33.6





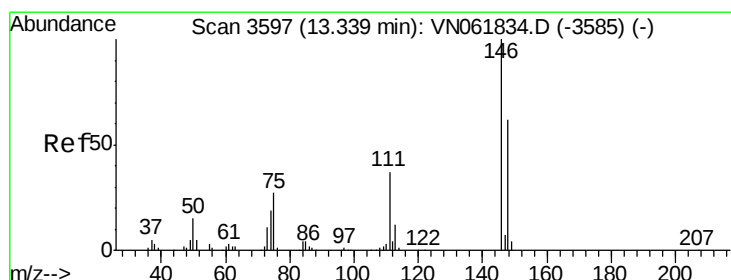
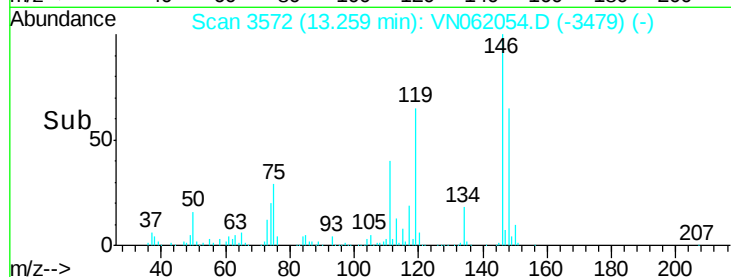
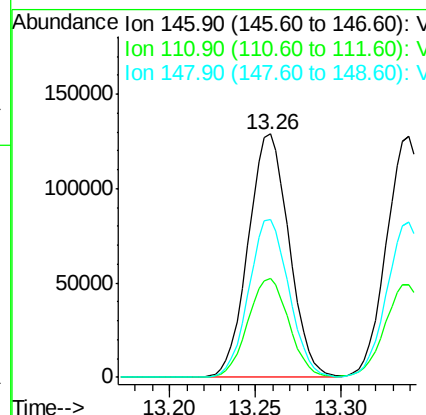
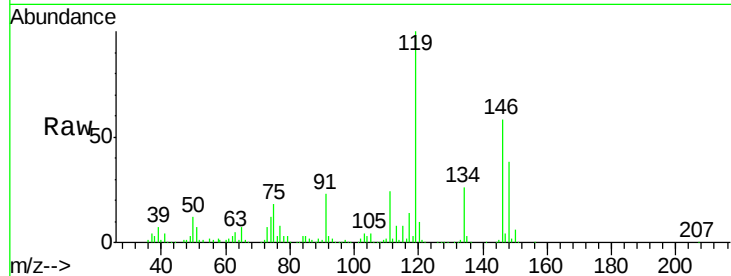
#87
 1,3-Dichlorobenzene
 Concen: 49.171 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.8
148	63.9	31.8	95.4

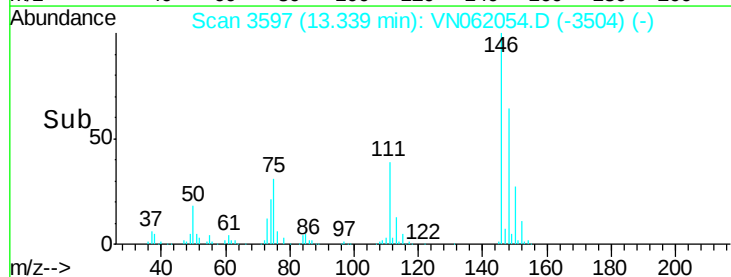
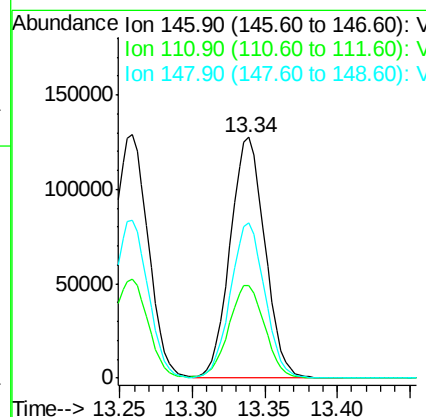
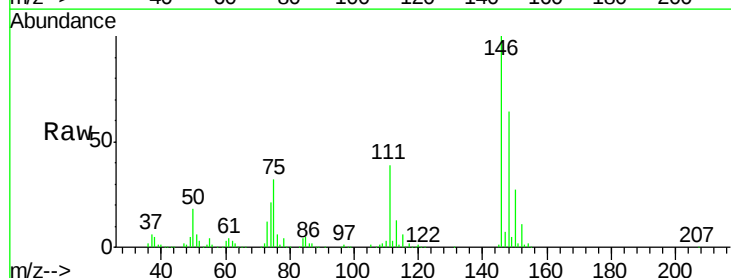
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#88
 1,4-Dichlorobenzene
 Concen: 47.714 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.8
148	63.6	31.6	94.7





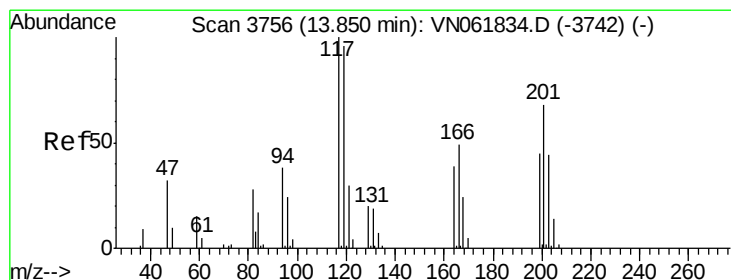
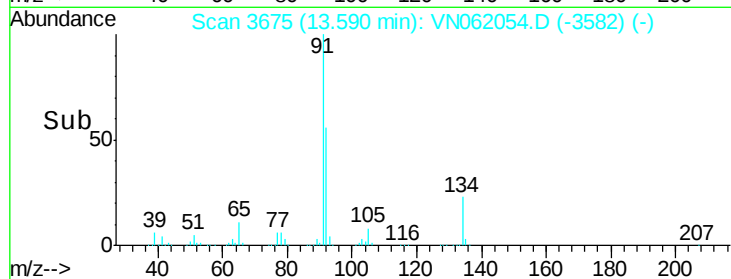
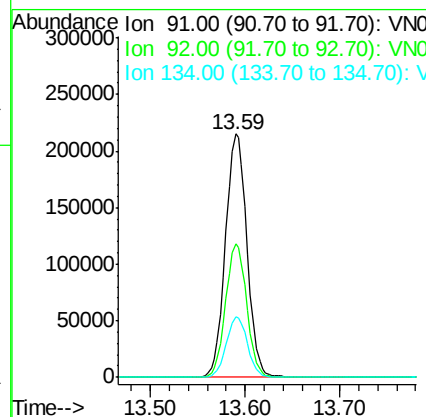
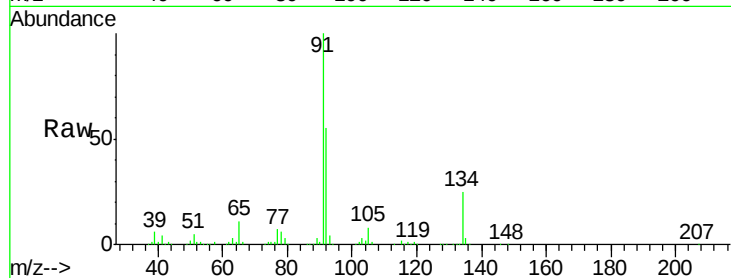
#89
n-Butylbenzene
Concen: 53.008 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	80.8
134	24.5	13.0	39.0

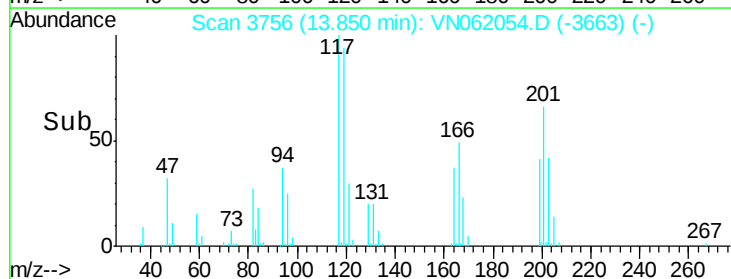
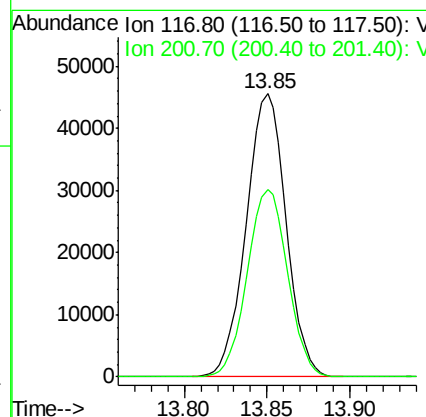
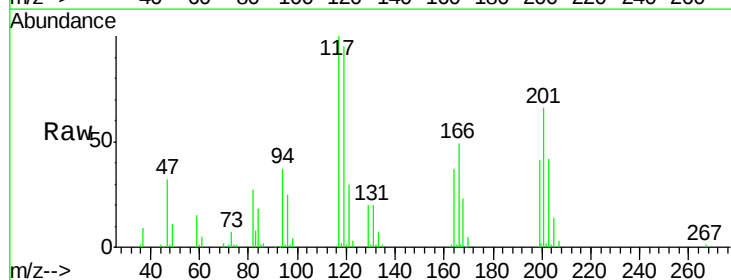
Manual Integrations
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#90
Hexachloroethane
Concen: 54.334 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.0	34.6	103.8





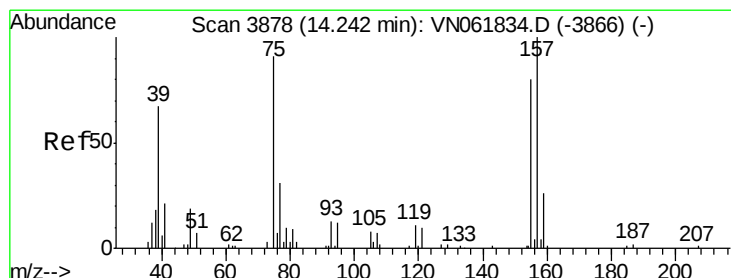
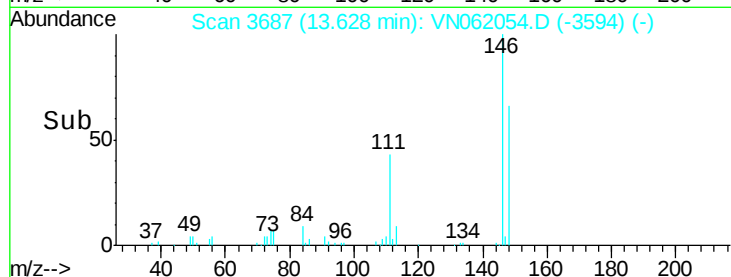
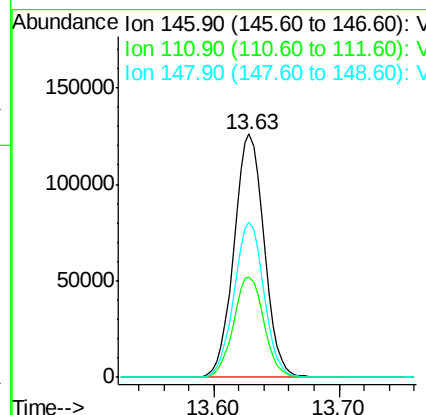
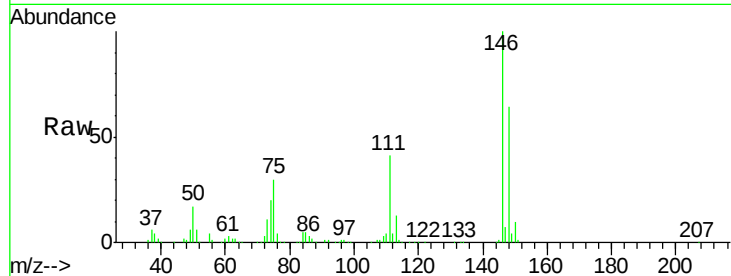
#91
 1,2-Dichlorobenzene
 Concen: 50.595 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.2
148	63.3	31.8	95.4

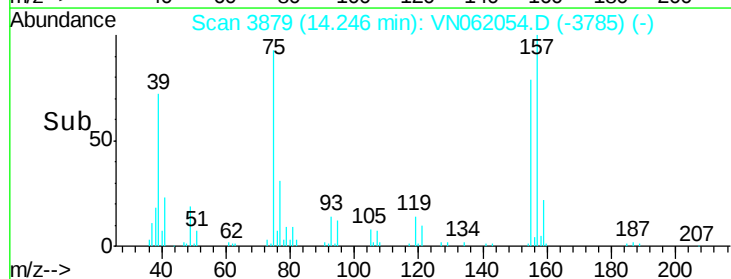
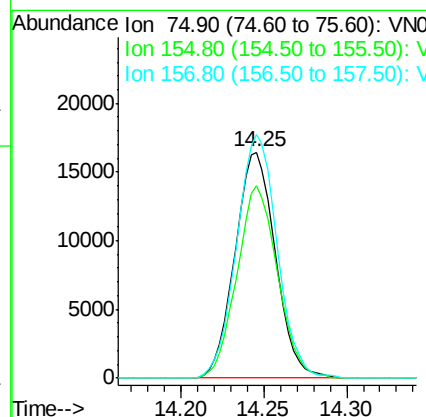
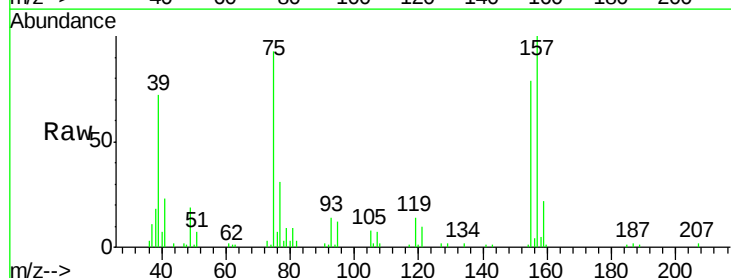
Manual Integrations
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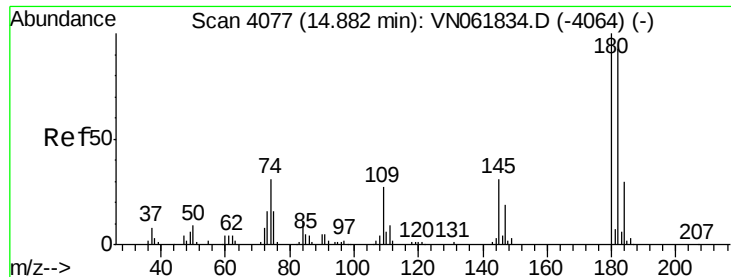
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.409 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062054.D
 Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	44.4	133.2
157	107.8	57.0	171.2





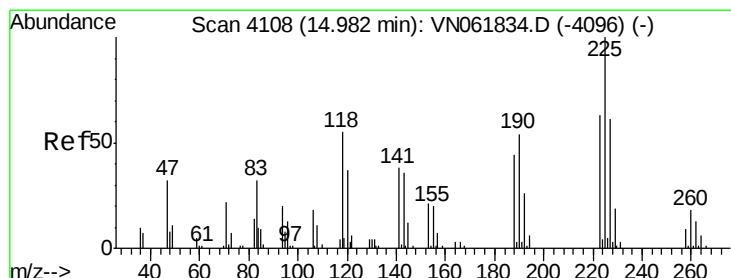
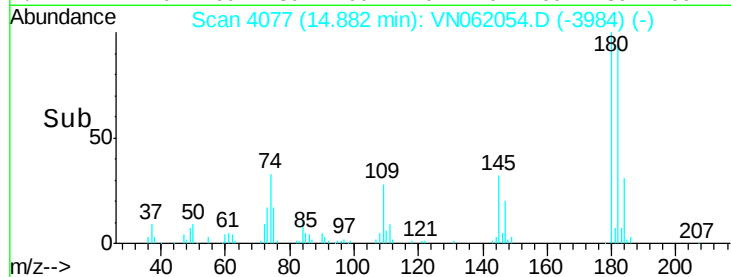
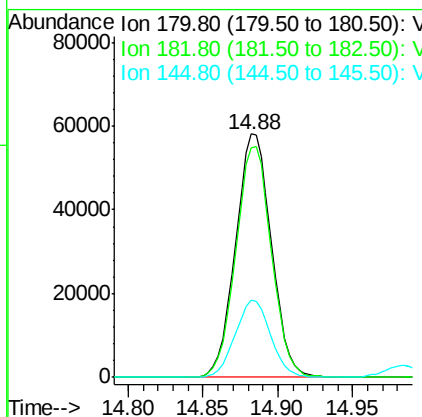
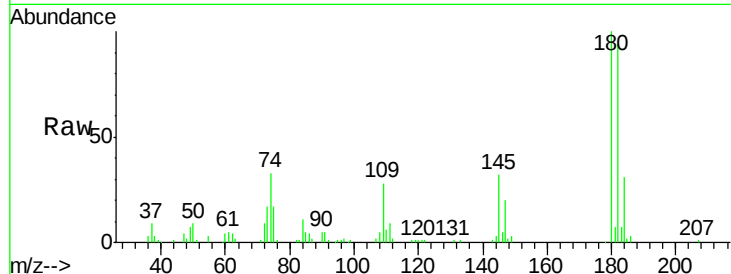
#93
1,2,4-Trichlorobenzene
Concen: 49.272 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96616		
182	94.5	47.0	141.2	
145	31.4	15.8	47.3	

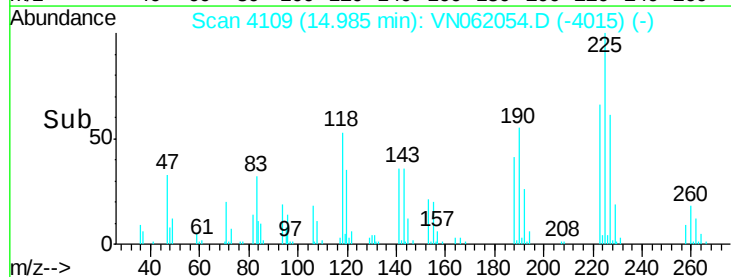
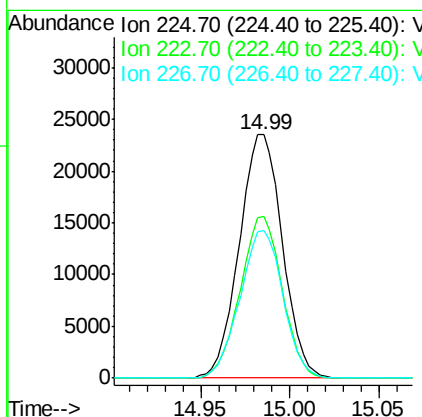
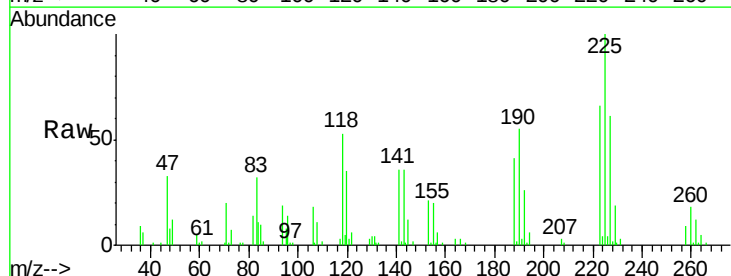
Manual Integrations
APPROVED

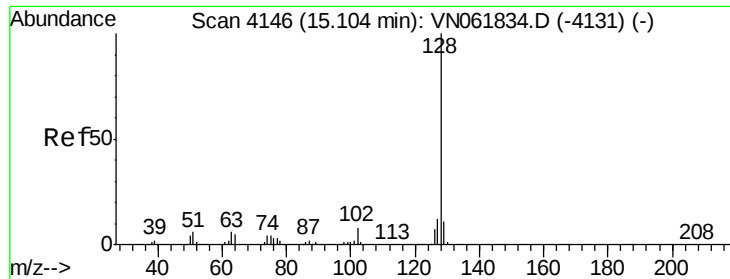
MMDadoda
6/24/2020 10:59:22 AM



#94
Hexachlorobutadiene
Concen: 51.358 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39664		
223	64.5	31.7	95.1	
227	60.5	30.1	90.3	





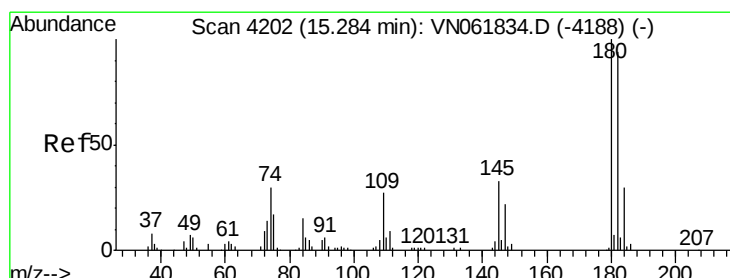
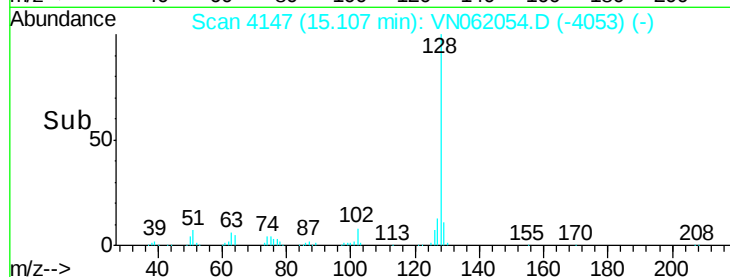
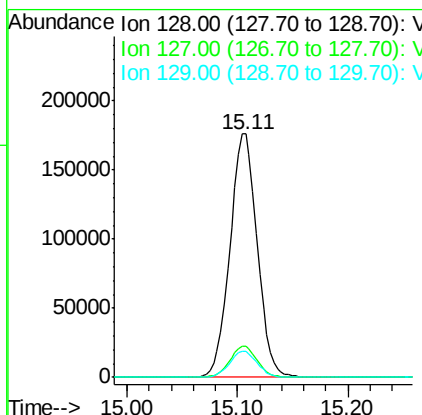
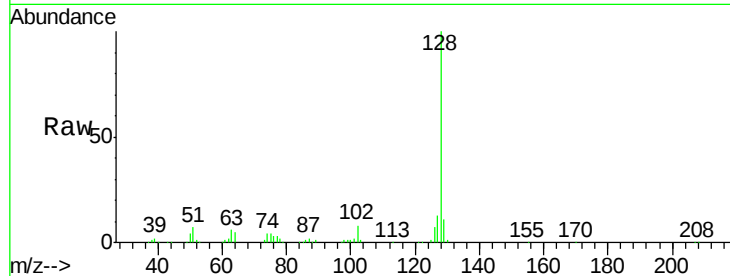
#95
Naphthalene
Concen: 46.359 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:59:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.620 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062054.D
Acq: 23 Jun 2020 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	33.7	16.5	49.5

