

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061820.D
 Acq On : 19 Jun 2020 00:29
 Operator : JC/MD
 Sample : VN0618WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 1:02:36 PM

Quant Time: Jun 19 07:09:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	141518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	252985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102426	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.55	113	86005	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.06	98	320093	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.37	95	104639	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37741	20.668	ug/l	98
3) Chloromethane	2.03	50	43033	21.907	ug/l	99
4) Vinyl Chloride	2.16	62	51366	21.935	ug/l	99
5) Bromomethane	2.53	94	37136	20.651	ug/l	95
6) Chloroethane	2.67	64	34185	21.570	ug/l	97
7) Trichlorofluoromethane	2.98	101	53477	19.118	ug/l	100
8) Diethyl Ether	3.37	74	21473	22.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	28297	19.719	ug/l	99
10) Methyl Iodide	3.91	142	35993	23.890	ug/l	98
11) Tert butyl alcohol	4.73	59	27466	104.577	ug/l	100
12) 1,1-Dichloroethene	3.70	96	30350	21.107	ug/l	96
13) Acrolein	3.57	56	13044	83.097	ug/l	99
14) Allyl chloride	4.28	41	39023	20.448	ug/l	99
15) Acrylonitrile	4.93	53	72769	111.818	ug/l	99
16) Acetone	3.78	43	58630	104.580	ug/l	99
17) Carbon Disulfide	4.01	76	83942	19.952	ug/l	99
18) Methyl Acetate	4.27	43	35989	22.297	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	102486	21.407	ug/l	98
20) Methylene Chloride	4.50	84	38065	20.840	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	34883	21.121	ug/l	97
22) Diisopropyl ether	5.90	45	94128	21.566	ug/l	97
23) Vinyl Acetate	5.84	43	363940	106.019	ug/l	99
24) 1,1-Dichloroethane	5.80	63	60889	21.311	ug/l	96
25) 2-Butanone	6.79	43	89043	108.861	ug/l	96
26) 2,2-Dichloropropane	6.78	77	39788	16.552	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	39987	20.983	ug/l	98
28) Bromochloromethane	7.15	49	26266	20.647	ug/l	99
29) Tetrahydrofuran	7.17	42	58514	108.701	ug/l	100
30) Chloroform	7.33	83	64644	21.170	ug/l	95
31) Cyclohexane	7.61	56	45689	18.267	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	52261	20.097	ug/l	99
36) 1,1-Dichloropropene	7.75	75	43537	18.868	ug/l	100
37) Ethyl Acetate	6.89	43	35691	19.807	ug/l	96
38) Carbon Tetrachloride	7.73	117	44522	19.484	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	44468	17.897	ug/l	98
40) Benzene	8.00	78	142517	20.389	ug/l	97
41) Methacrylonitrile	7.12	41	14138	18.348	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	49929	20.949	ug/l	100
43) Isopropyl Acetate	8.13	43	61945	20.399	ug/l #	91
44) Trichloroethene	8.80	130	35865	19.496	ug/l	96
45) 1,2-Dichloropropane	9.08	63	35465	20.646	ug/l	99
46) Dibromomethane	9.17	93	25148	20.790	ug/l	98
47) Bromodichloromethane	9.37	83	50686	20.463	ug/l	95
48) Methyl methacrylate	9.17	41	27109	19.630	ug/l	97
49) 1,4-Dioxane	9.17	88	13478	425.099	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	188962	105.302	ug/l	100
52) Toluene	10.12	92	87833	20.008	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	49830	18.951	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	55569	19.457	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	37499	21.711	ug/l	99
56) Ethyl methacrylate	10.40	69	47073	19.709	ug/l	98
57) 1,3-Dichloropropane	10.68	76	60583	20.704	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	82190	90.164	ug/l	99
59) 2-Hexanone	10.72	43	135145	102.619	ug/l	97
60) Dibromochloromethane	10.87	129	39287	20.385	ug/l	99
61) 1,2-Dibromoethane	10.98	107	36883	20.450	ug/l	99
64) Tetrachloroethene	10.60	164	29643	20.000	ug/l	97
65) Chlorobenzene	11.41	112	94296	19.217	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	35306	20.631	ug/l	100
67) Ethyl Benzene	11.48	91	157315	19.122	ug/l	100
68) m/p-Xylenes	11.60	106	122601	38.647	ug/l	100
69) o-Xylene	11.92	106	59356	19.610	ug/l	100
70) Styrene	11.94	104	98655	19.466	ug/l	99
71) Bromoform	12.10	173	25276	20.256	ug/l #	98
73) Isopropylbenzene	12.22	105	149722	20.051	ug/l	98
74) N-amyl acetate	12.05	43	48288	19.827	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	52406	21.587	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	46219m	22.405	ug/l	
77) Bromobenzene	12.50	156	39788	21.121	ug/l	98
78) n-propylbenzene	12.56	91	166472	19.539	ug/l	99
79) 2-Chlorotoluene	12.65	91	104388	20.400	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	125293	20.282	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	14225	18.807	ug/l	97
82) 4-Chlorotoluene	12.75	91	106623	20.165	ug/l	99
83) tert-Butylbenzene	12.97	119	102929	19.654	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	123802	20.302	ug/l	99
85) sec-Butylbenzene	13.15	105	136907	19.972	ug/l	99
86) p-Isopropyltoluene	13.26	119	119434	19.553	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	67552	19.661	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	68068	19.354	ug/l	99
89) n-Butylbenzene	13.59	91	92145	18.063	ug/l	100
90) Hexachloroethane	13.85	117	22514	20.136	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	67977	20.551	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8504	21.577	ug/l	99

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	29667	19.008	ug/l	99
94) Hexachlorobutadiene	14.98	225	11803	19.200	ug/l	97
95) Naphthalene	15.10	128	87798	19.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	30811	19.933	ug/l	99

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

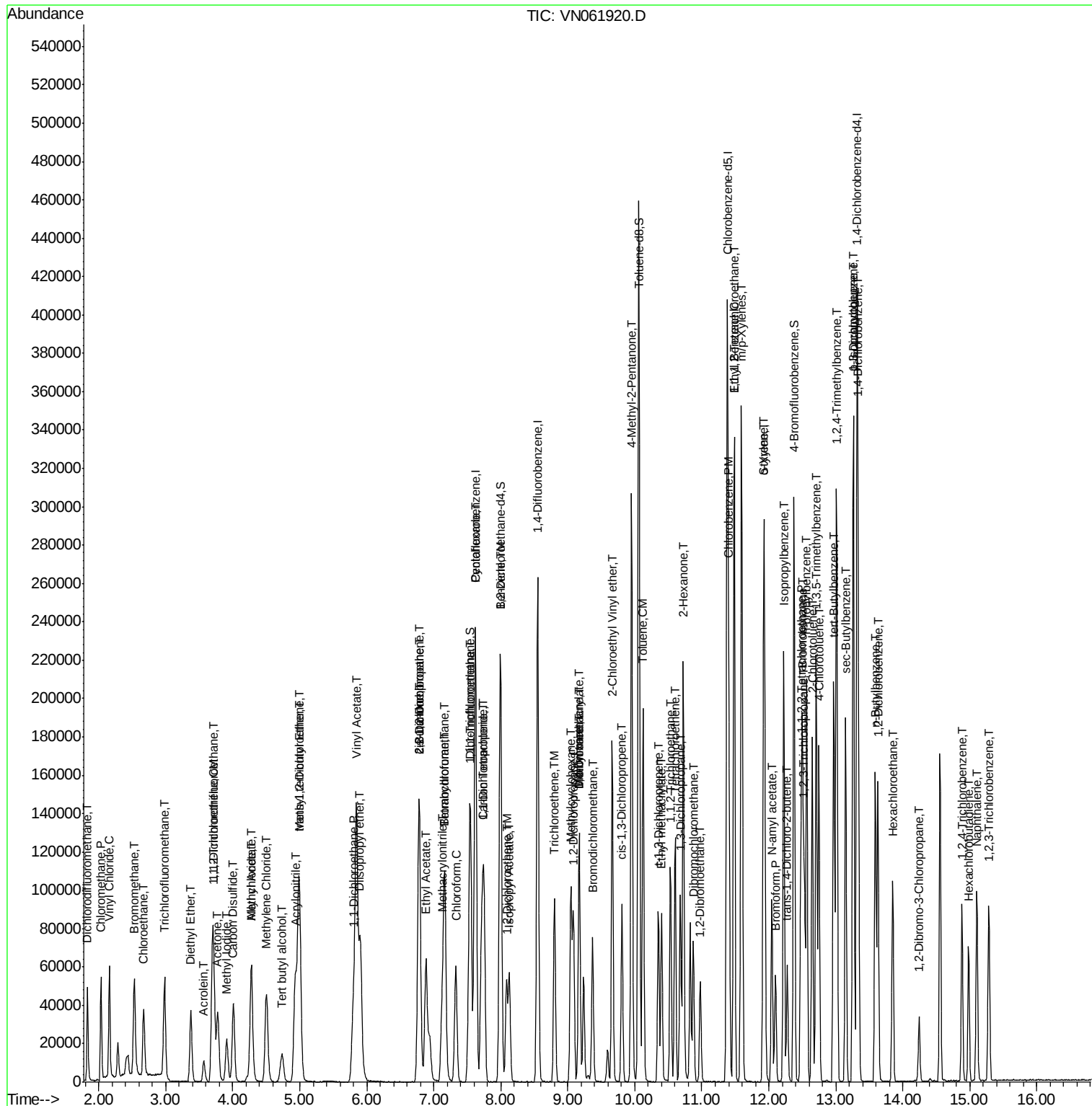
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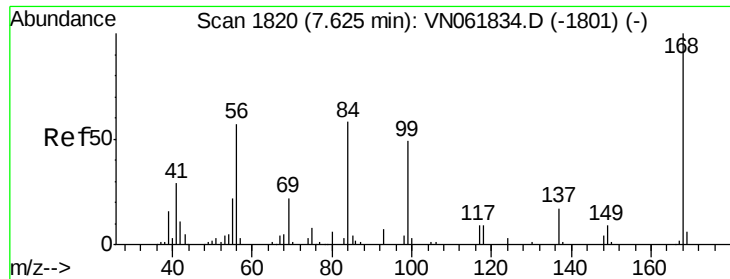
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:168 Resp: 141518

Ion Ratio Lower Upper

168 100

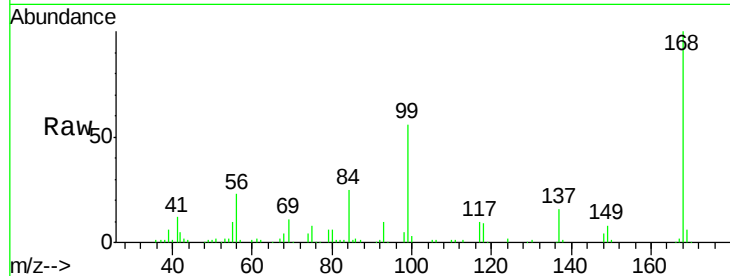
99 56.0 44.6 67.0

Manual Integrations

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6/19/2020 1:02:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

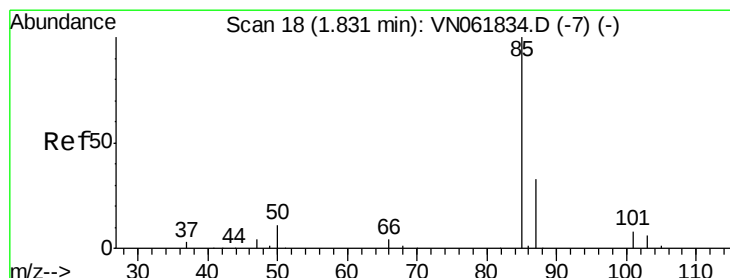
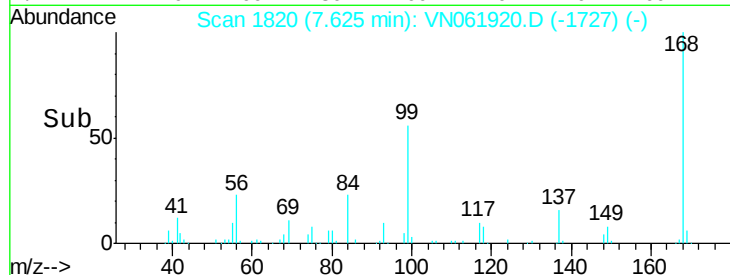
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.668 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061920.D

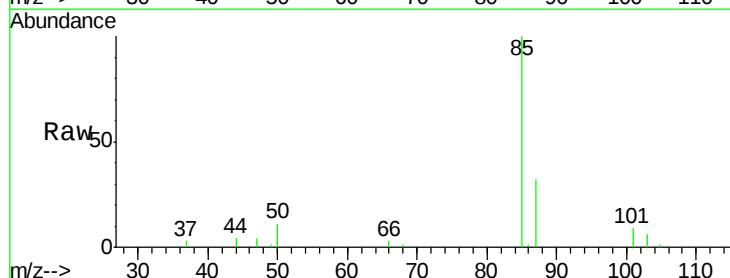
Acq: 19 Jun 2020 00:29

Tgt Ion: 85 Resp: 37741

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

30000

25000

20000

15000

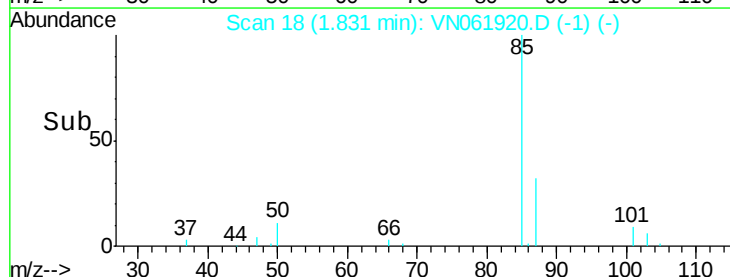
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.907 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 50 Resp: 43033

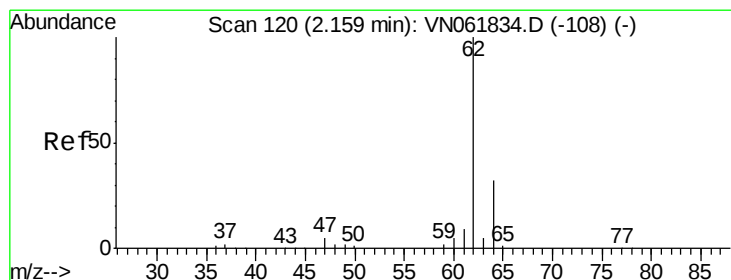
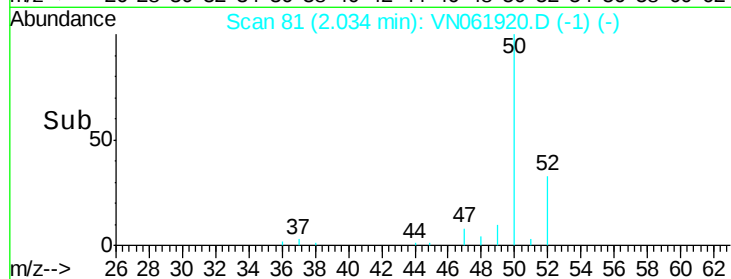
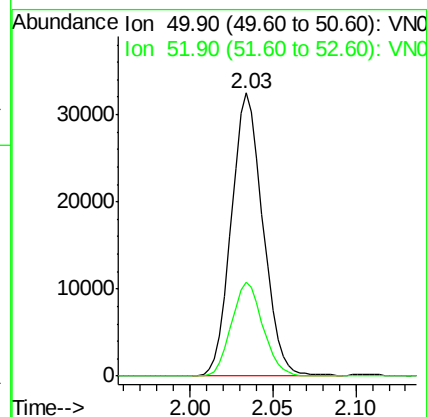
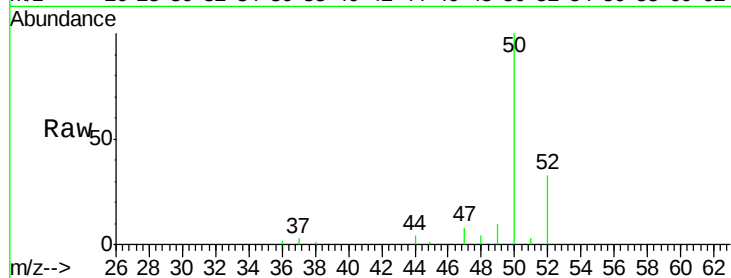
Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.935 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061920.D

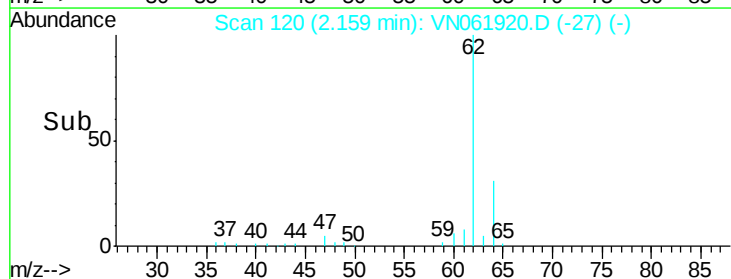
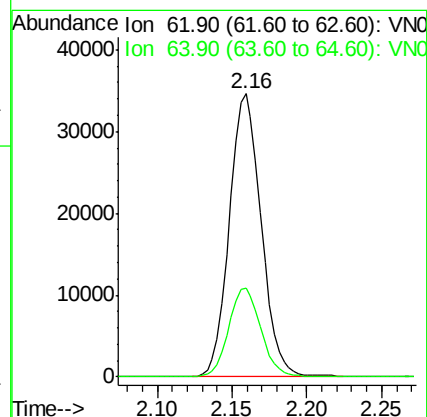
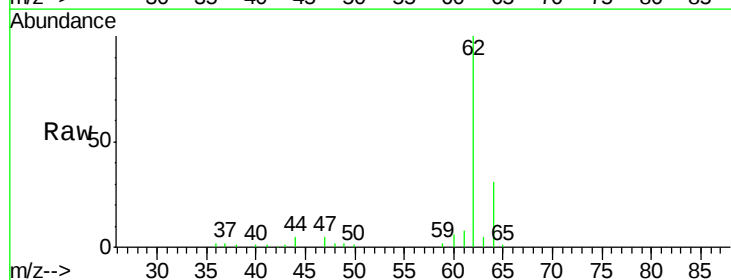
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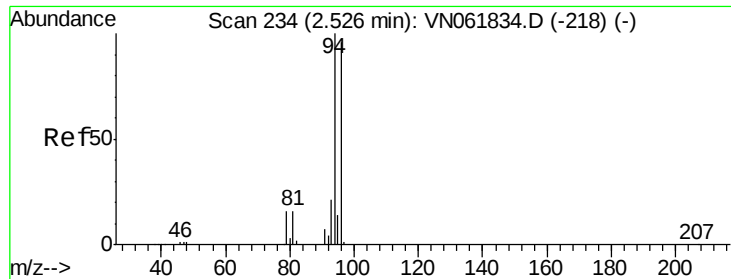
Tgt Ion: 62 Resp: 51366

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 20.651 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 94 Resp: 37136

Ion Ratio Lower Upper

94 100

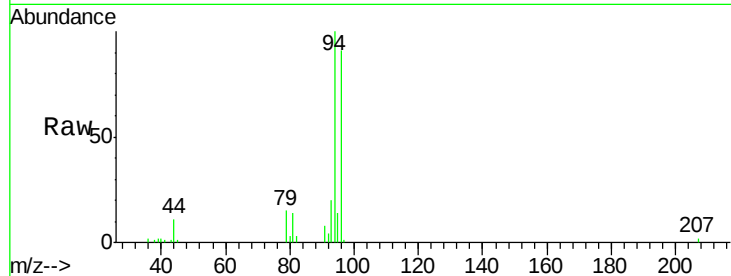
96 90.9 76.7 115.1

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) (-)

2.53

20000

15000

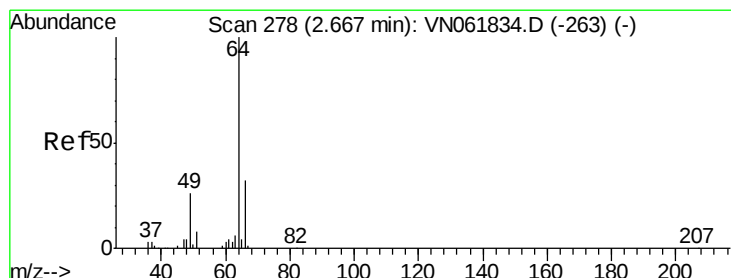
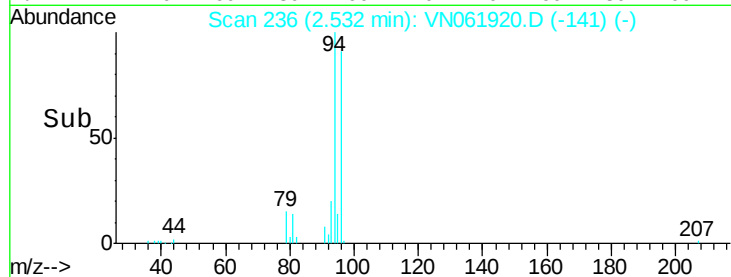
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Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.570 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061920.D

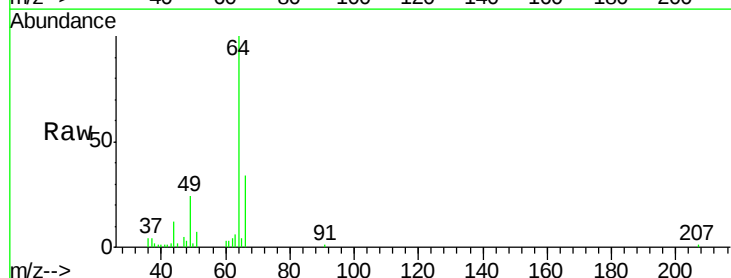
Acq: 19 Jun 2020 00:29

Tgt Ion: 64 Resp: 34185

Ion Ratio Lower Upper

64 100

66 33.6 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) (-)

2.67

15000

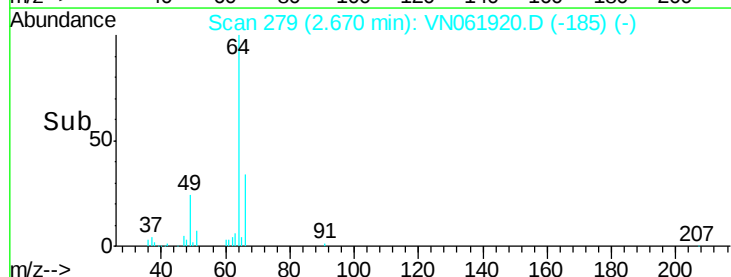
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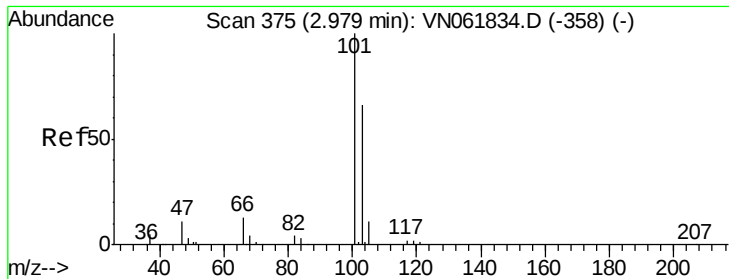
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Time-->

2.60 2.65 2.70 2.75





#7

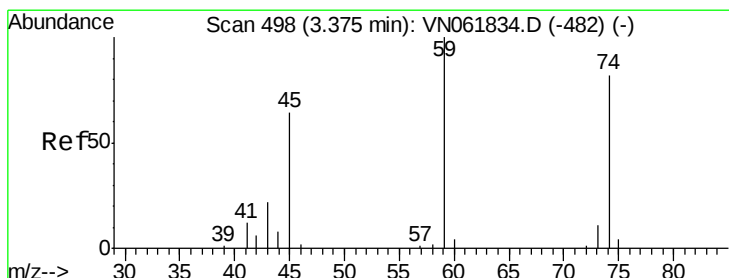
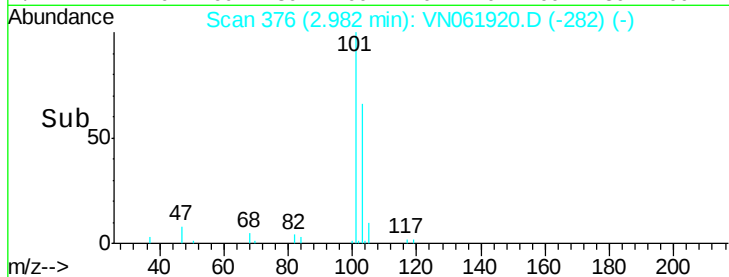
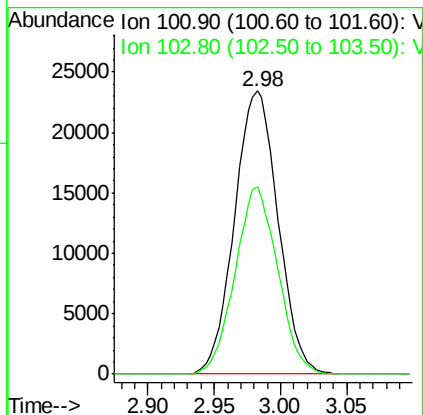
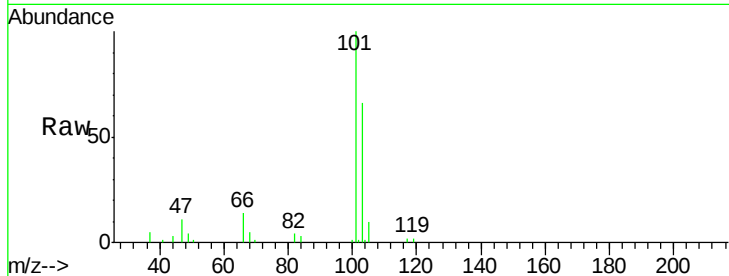
Trichlorofluoromethane
Concen: 19.118 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

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VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.8	79.2

Manual Integrations
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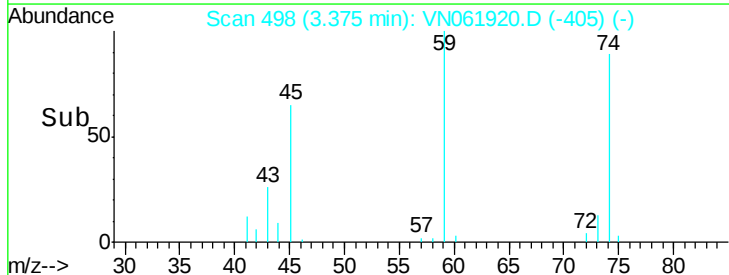
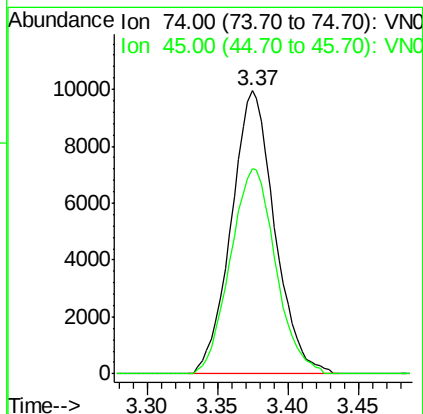
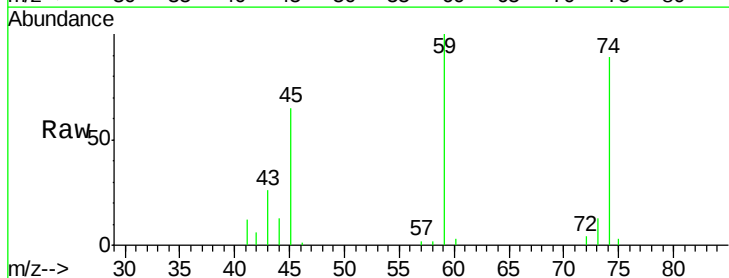
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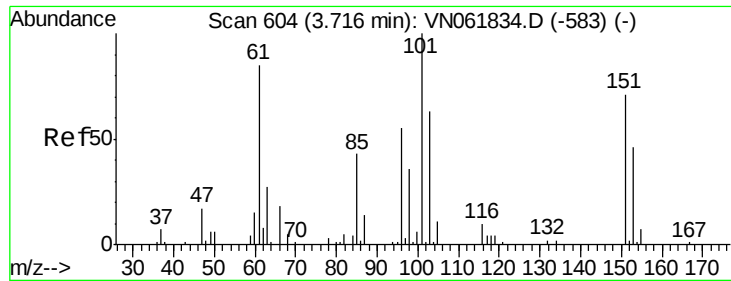


#8

Diethyl Ether
Concen: 22.835 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.5	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.719 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

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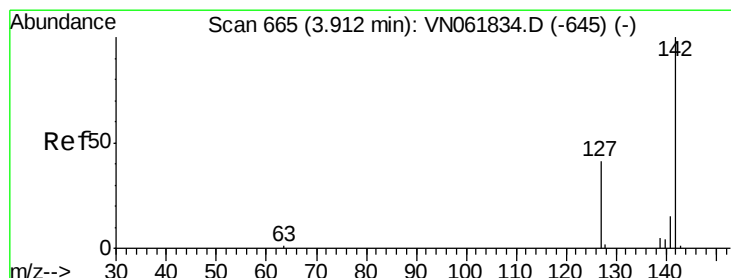
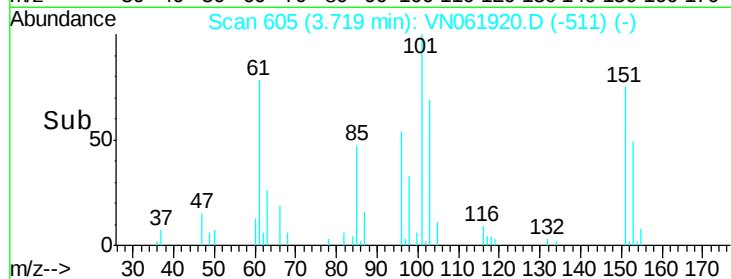
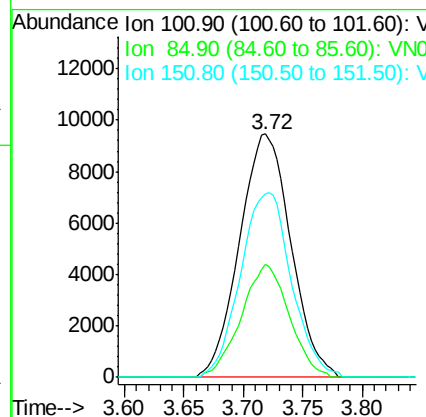
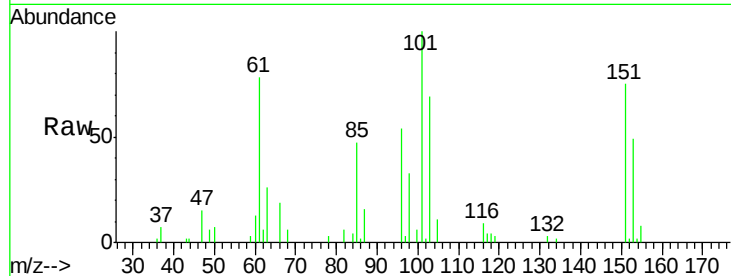
ClientSampleId :

VN0618WBSD02

Tot Ion:	101	Resp:	28297
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.0	52.6
151	75.2	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 23.890 ug/l

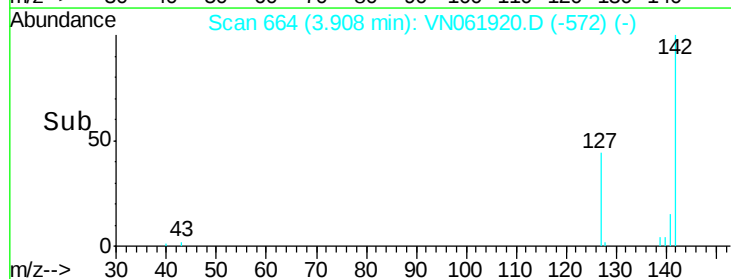
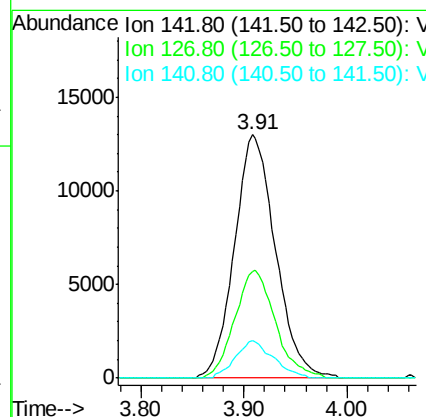
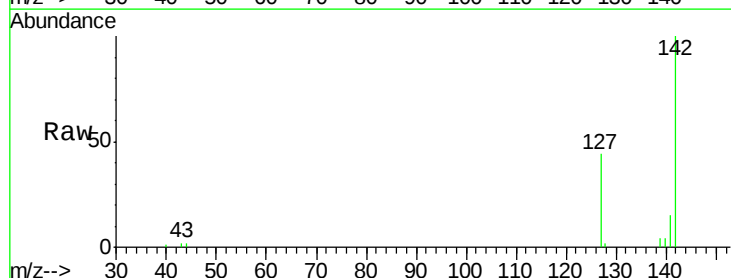
RT: 3.91 min Scan# 664

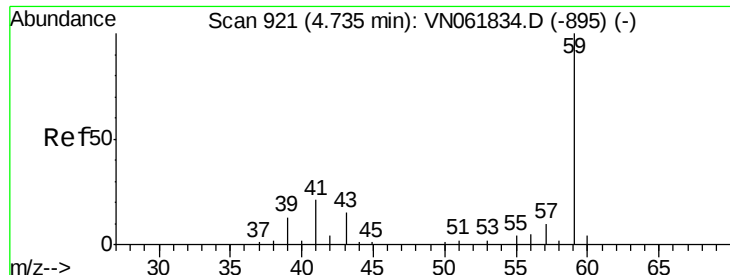
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	142	Resp:	35993
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.4	50.0
141	14.1	11.3	16.9





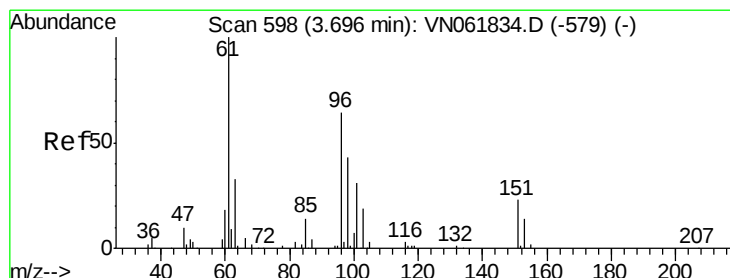
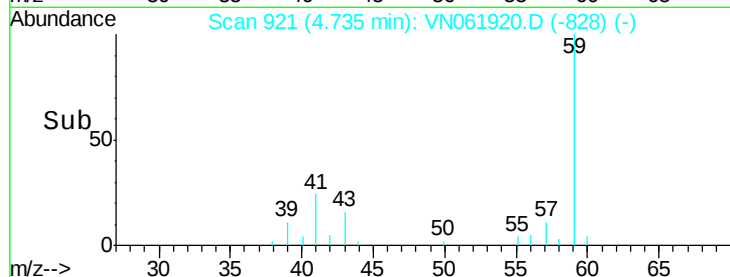
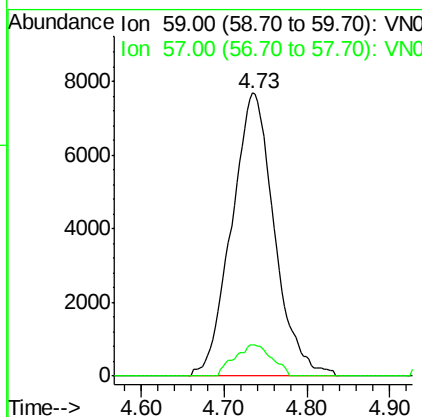
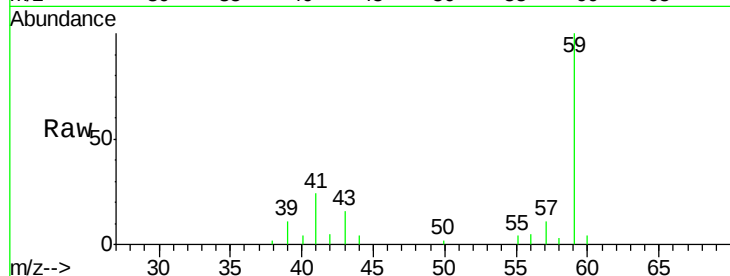
#11
Tert butyl alcohol
Concen: 104.577 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.7	11.5

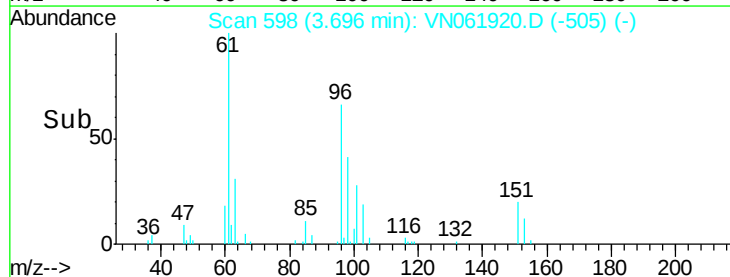
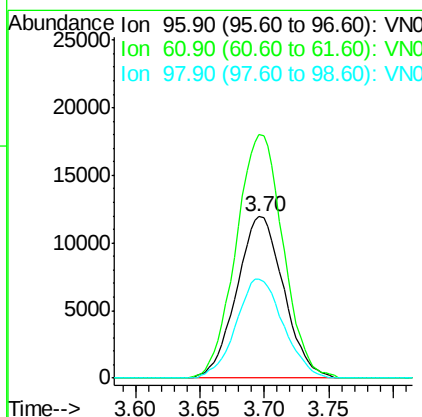
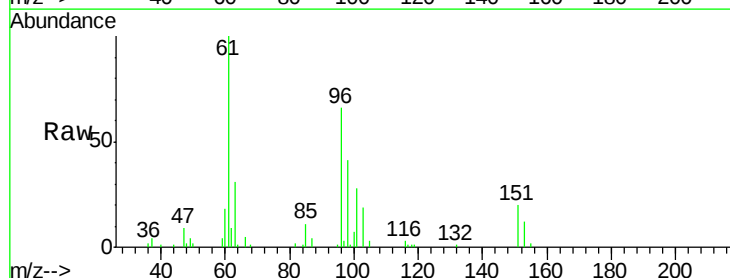
Manual Integrations
APPROVED

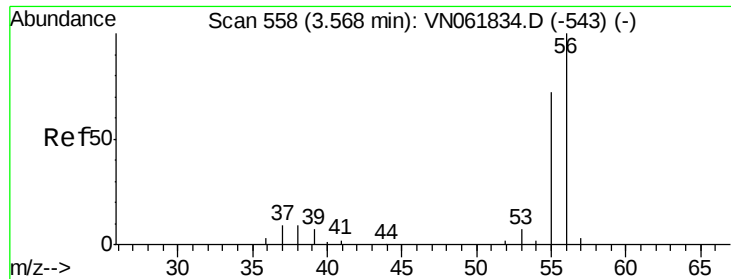
MMDadoda
6/19/2020 1:02:36 PM



#12
1,1-Dichloroethene
Concen: 21.107 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	124.3	186.5
98	61.3	53.1	79.7





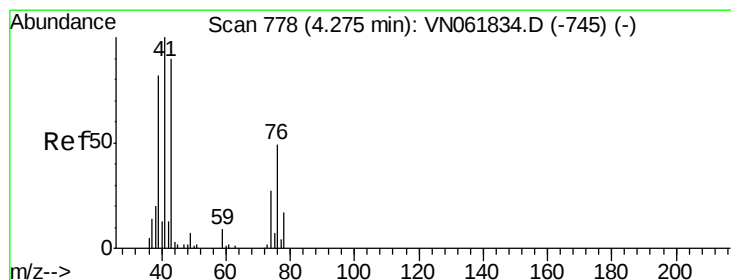
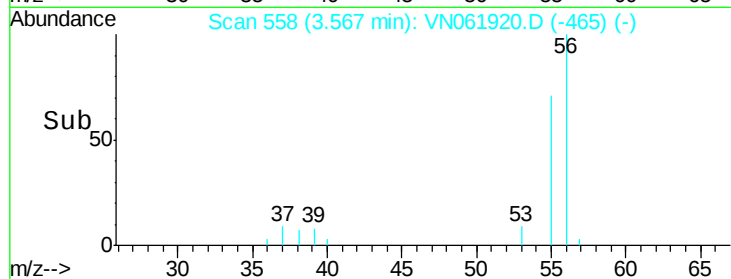
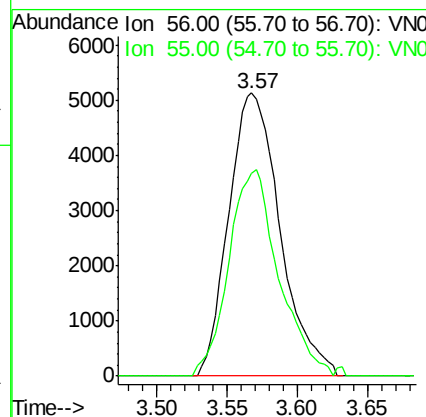
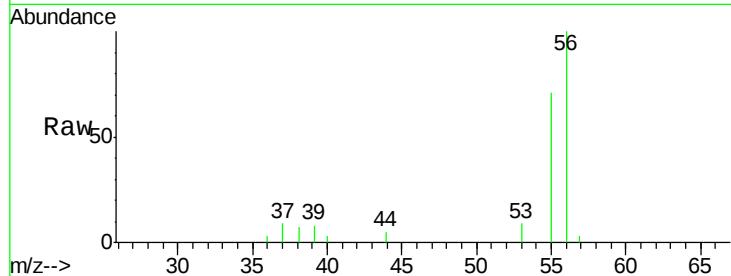
#13
 Acrolein
 Concen: 83.097 ug/l
 RT: 3.57 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.7	56.2	84.4	

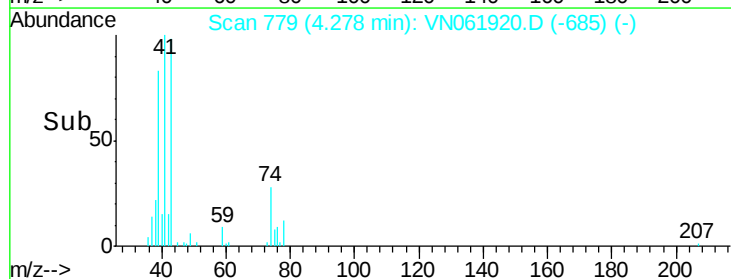
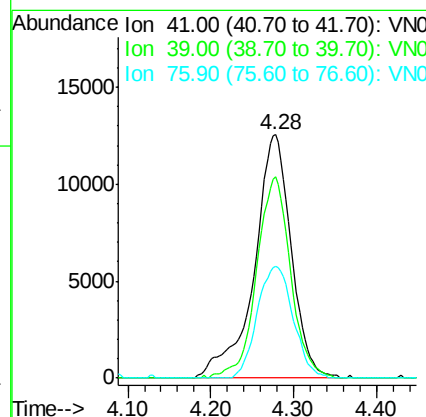
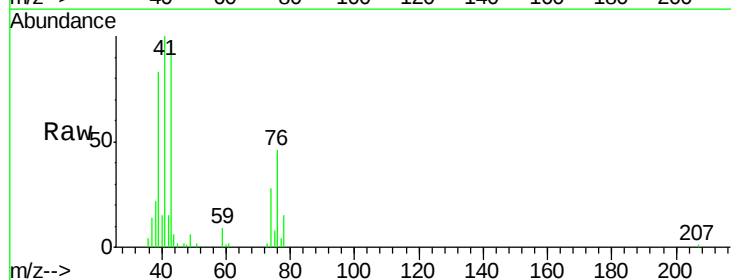
Manual Integrations
 APPROVED

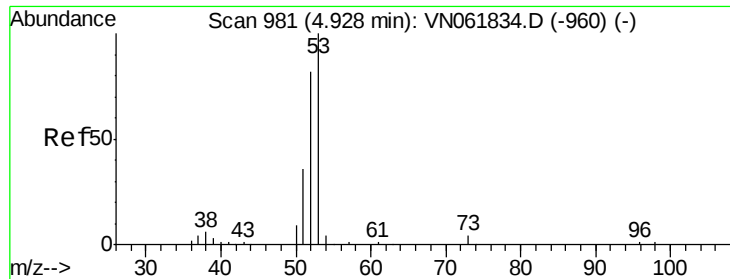
MMDadoda
 6/19/2020 1:02:36 PM



#14
 Allyl chloride
 Concen: 20.448 ug/l
 RT: 4.28 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	75.7	60.2	90.2	
76	44.3	36.3	54.5	





#15

Acrylonitrile

Concen: 111.818 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

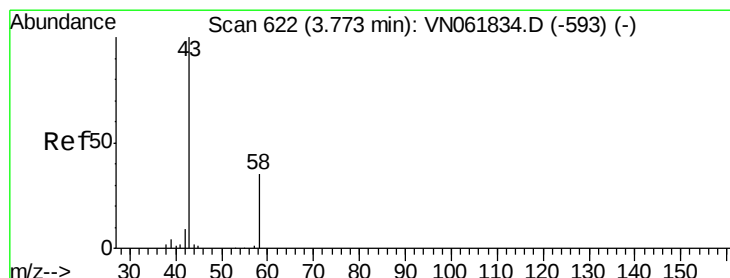
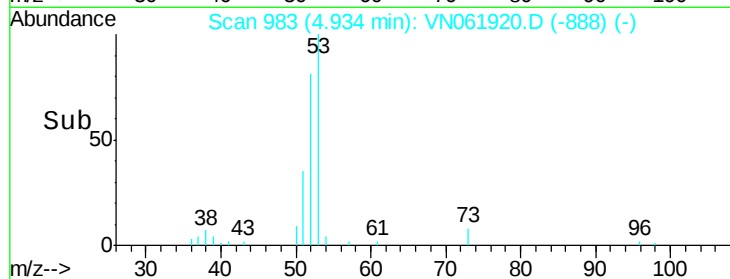
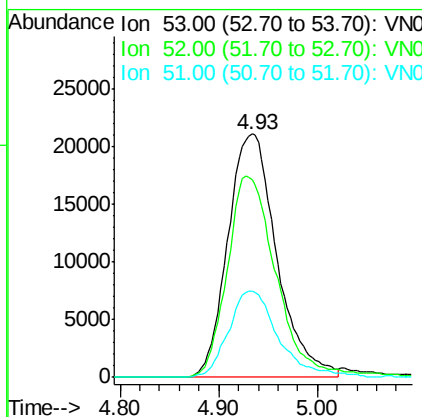
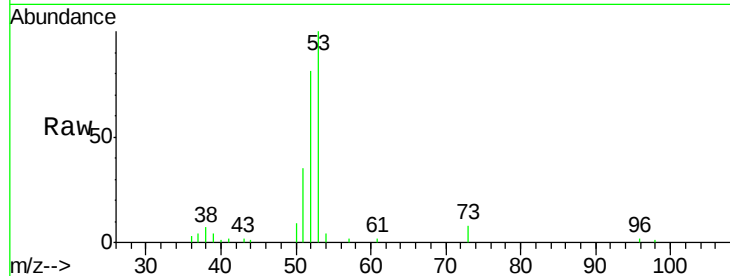
ClientSampleId :

VN0618WBSD02

Tot Ion:	53	Resp:	72769
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 104.580 ug/l

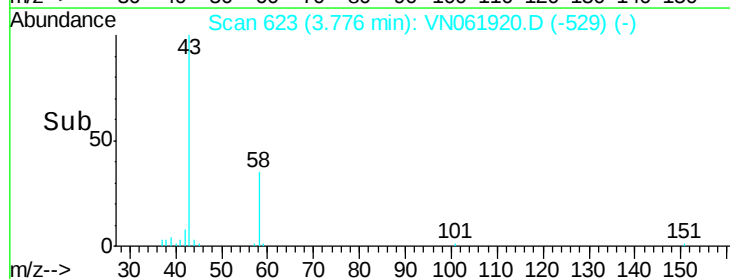
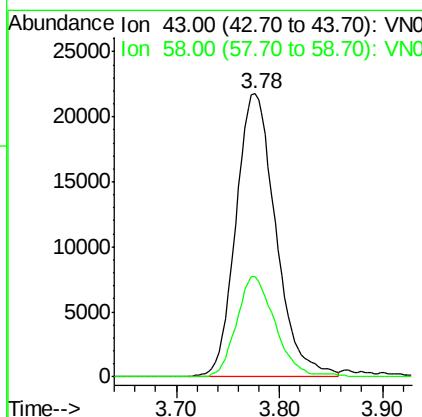
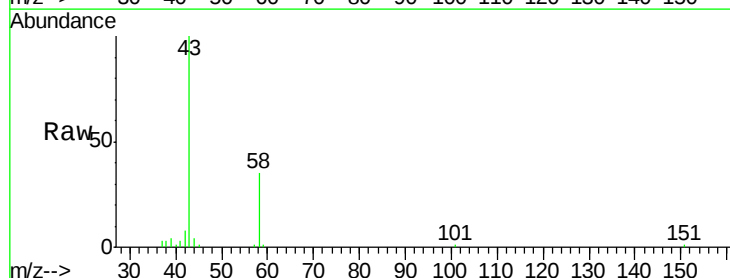
RT: 3.78 min Scan# 623

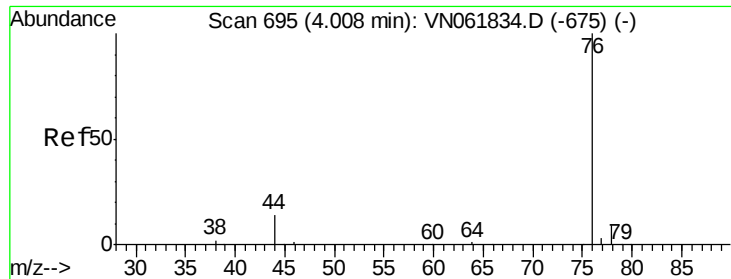
Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	43	Resp:	58630
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.8





#17

Carbon Disulfide

Concen: 19.952 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 76 Resp: 83942

Ion Ratio Lower Upper

76 100

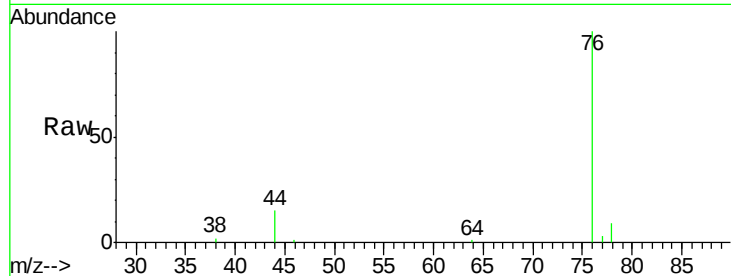
78 9.4 7.3 10.9

Manual Integrations

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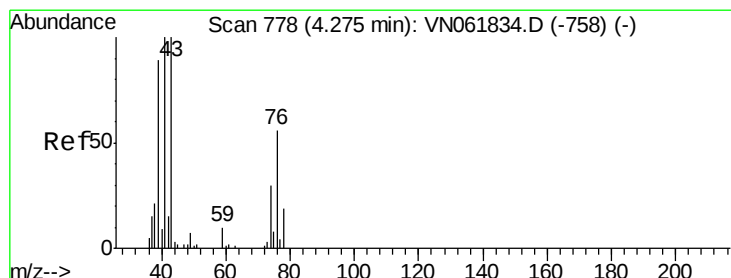
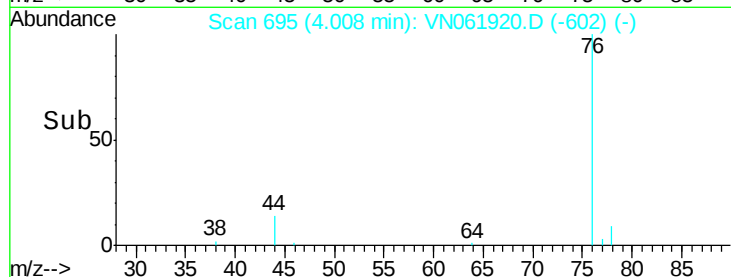
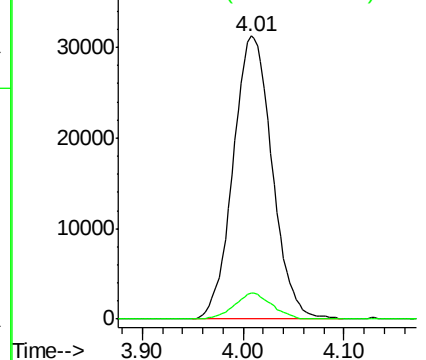
MMDadoda

6/19/2020 1:02:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061834.D (-675) (-)



#18

Methyl Acetate

Concen: 22.297 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061920.D

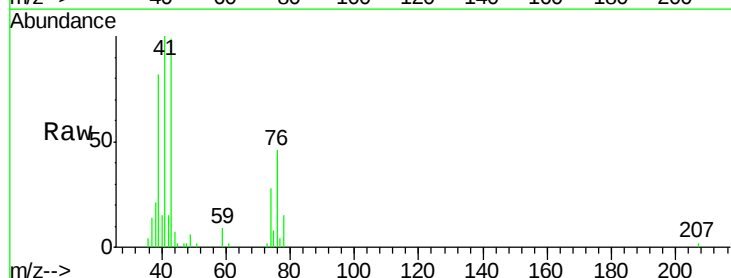
Acq: 19 Jun 2020 00:29

Tgt Ion: 43 Resp: 35989

Ion Ratio Lower Upper

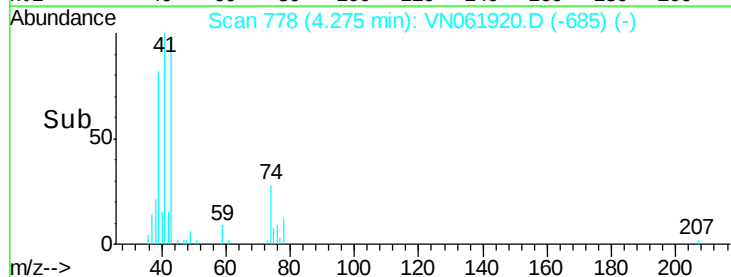
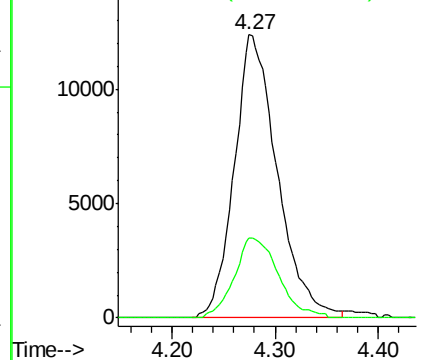
43 100

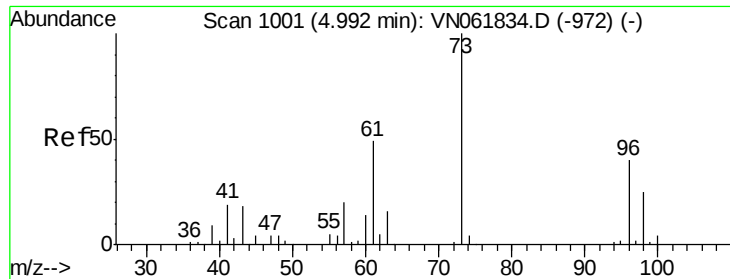
74 29.0 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061834.D (-758) (-)





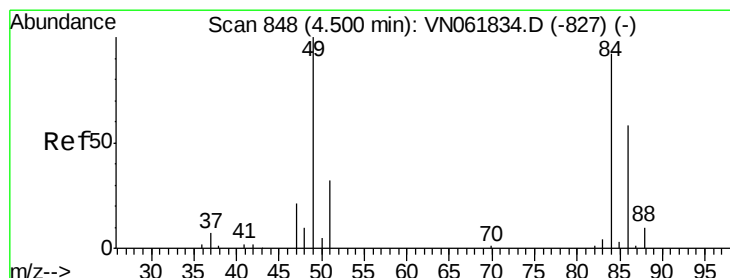
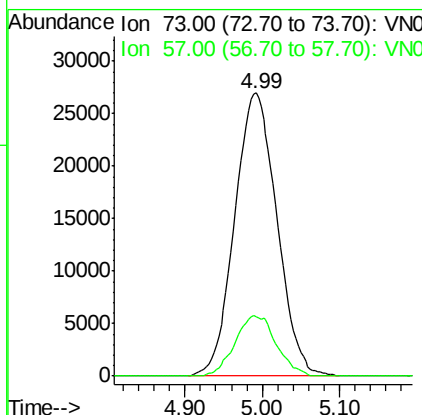
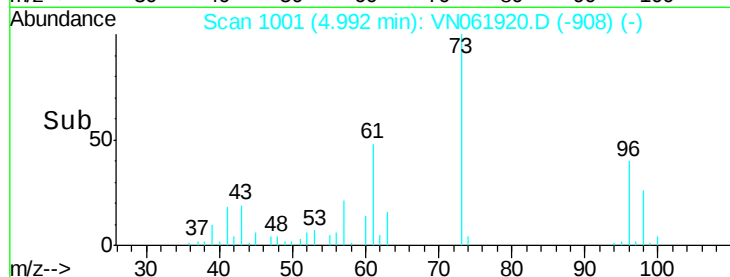
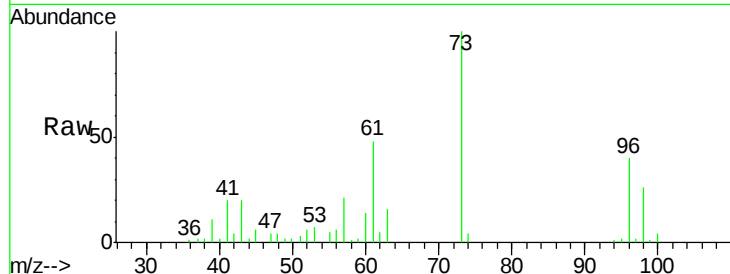
#19
Methvl tert-butvl Ether
Concen: 21.407 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 73 Resp: 102486
Ion Ratio Lower Upper
73 100
57 21.0 16.2 24.4

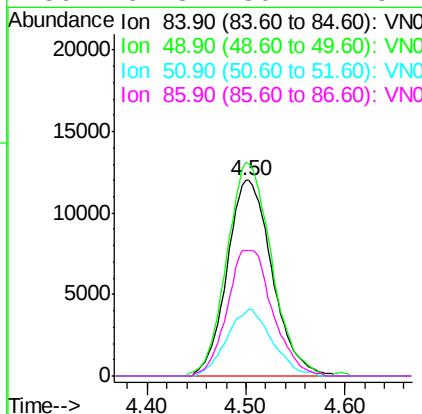
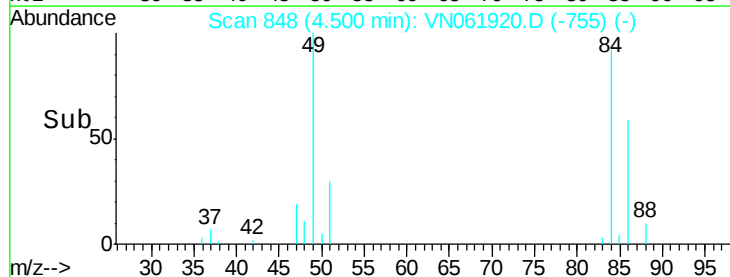
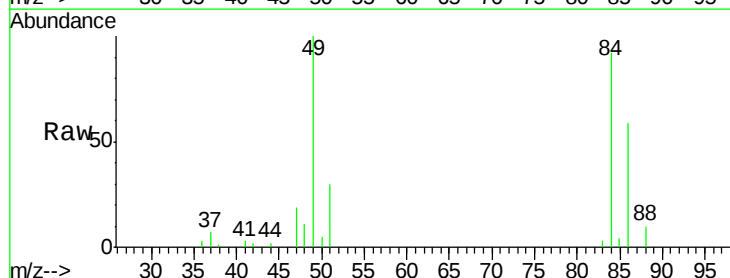
Manual Integrations
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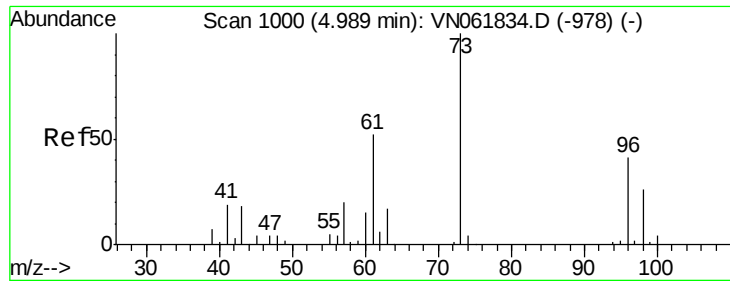
MMDadoda
6/19/2020 1:02:36 PM



#20
Methylene Chloride
Concen: 20.840 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion: 84 Resp: 38065
Ion Ratio Lower Upper
84 100
49 107.8 87.0 130.4
51 32.5 27.8 41.6
86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.121 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

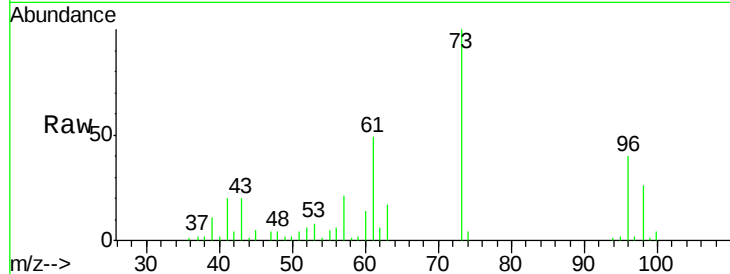
ClientSampleId :

VN0618WBSD02

Tot Ion:	96	Resp:	34883
Ion	Ratio	Lower	Upper
96	100		
61	123.8	102.2	153.4
98	65.5	51.2	76.8

Manual Integrations
APPROVED

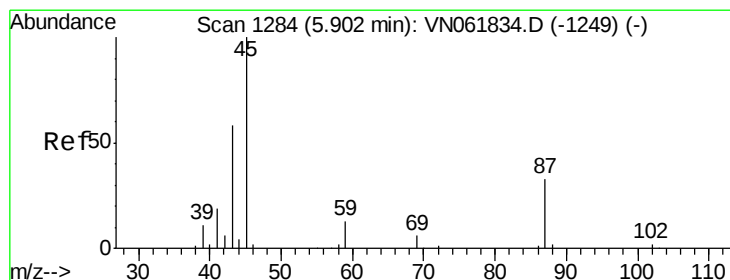
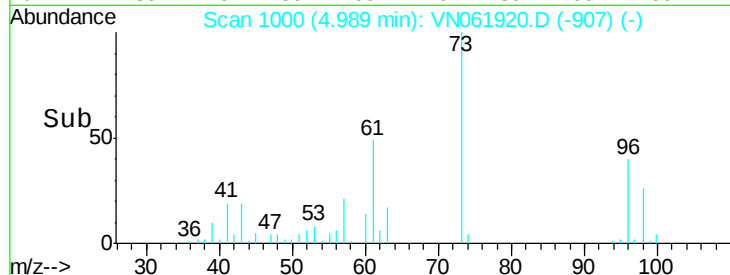
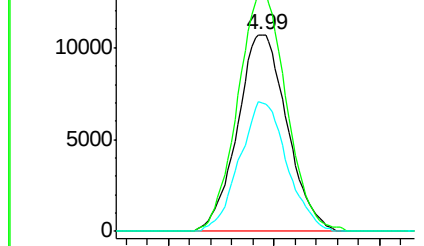
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VN061920.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061920.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061920.D (-907) (-)



#22

Diisopropyl ether

Concen: 21.566 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

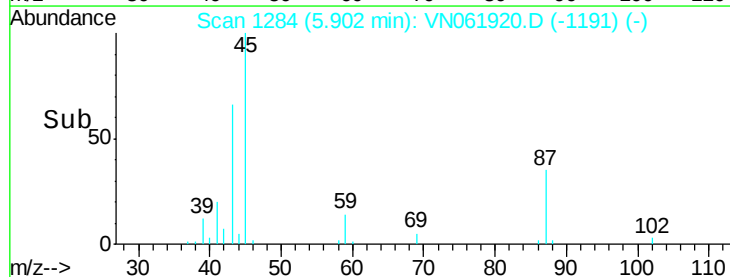
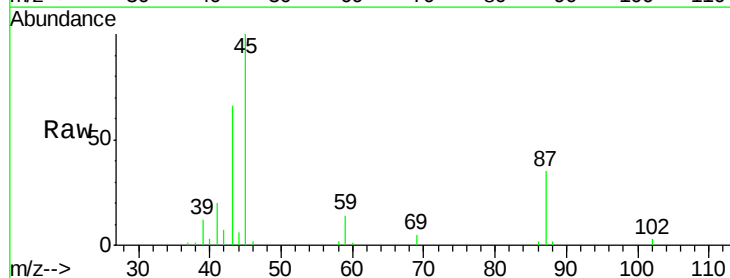
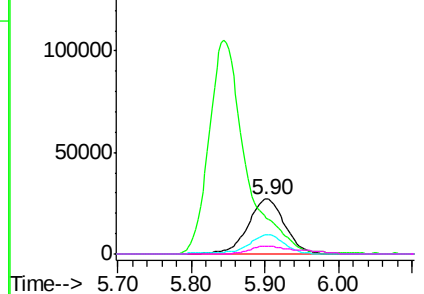
Tgt Ion:	45	Resp:	94128
Ion	Ratio	Lower	Upper
45	100		
43	64.4	49.4	74.2
87	35.3	27.4	41.0
59	13.7	10.6	15.8

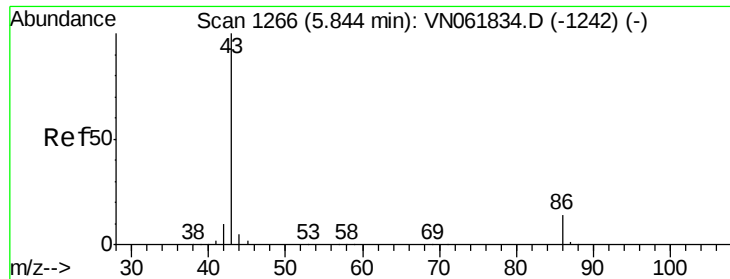
Abundance Ion 45.00 (44.70 to 45.70): VN061920.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061920.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061920.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061920.D (-1191) (-)





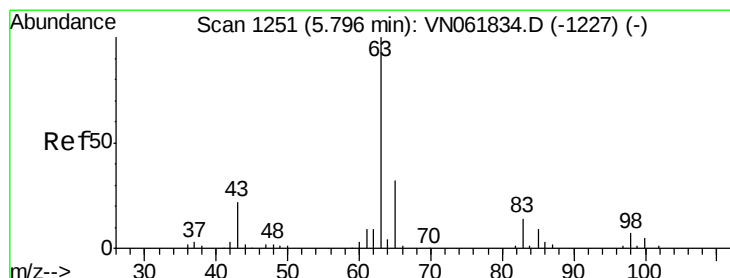
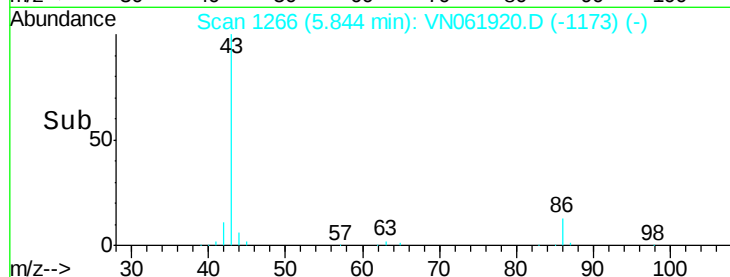
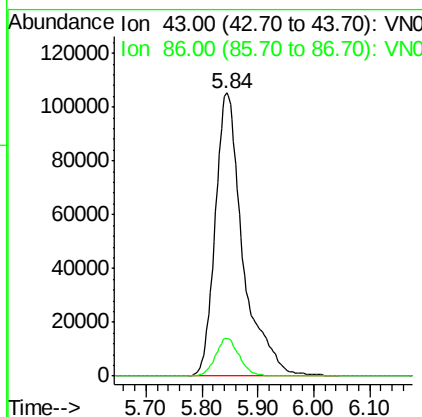
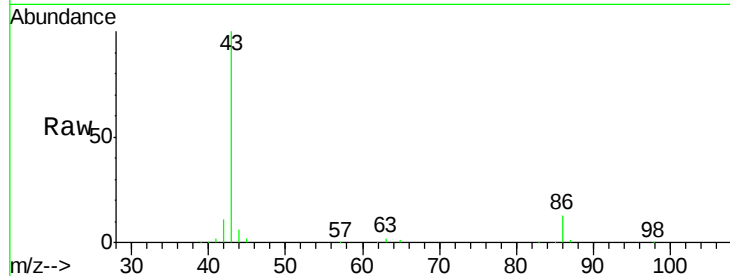
#23
 Vinyl Acetate
 Concen: 106.019 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.9	16.3

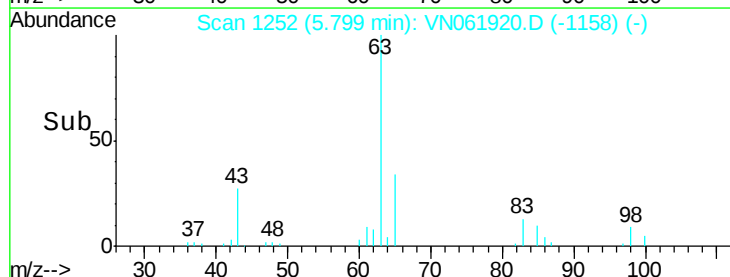
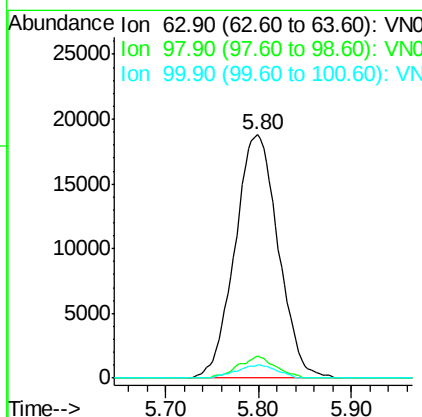
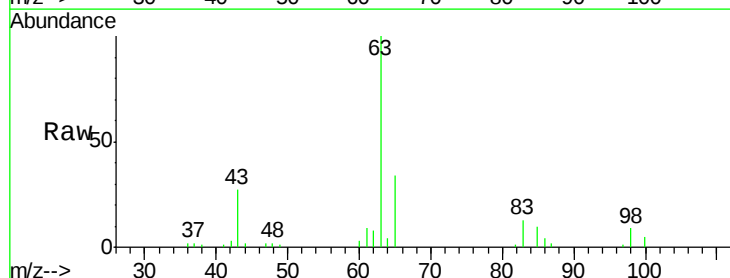
Manual Integrations
 APPROVED

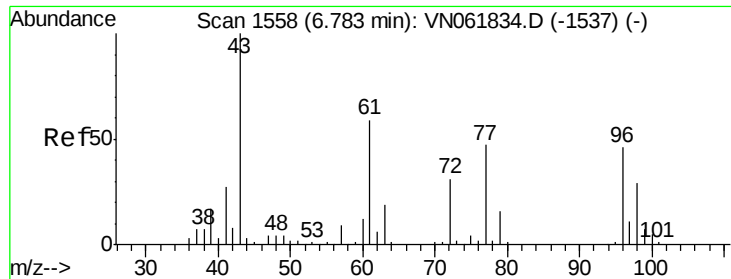
MMDadoda
 6/19/2020 1:02:36 PM



#24
 1,1-Dichloroethane
 Concen: 21.311 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.5	10.4
100	5.2	2.5	7.4





#25

2-Butanone

Concen: 108.861 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 89043

Ion Ratio Lower Upper

43 100

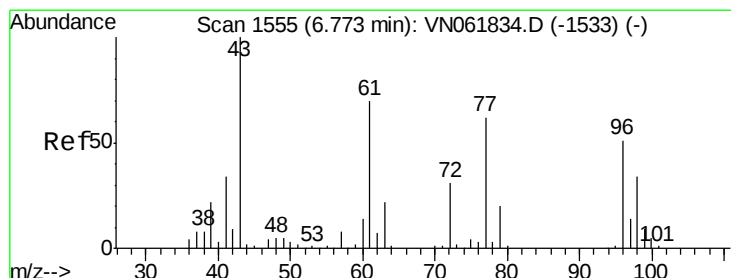
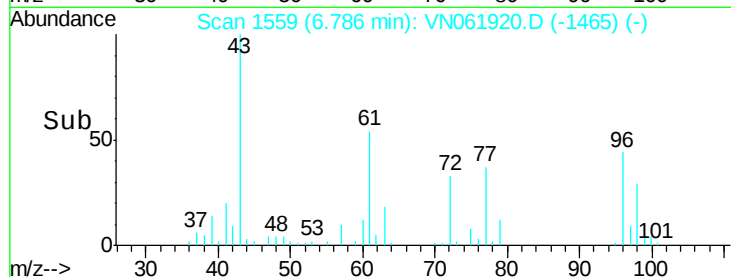
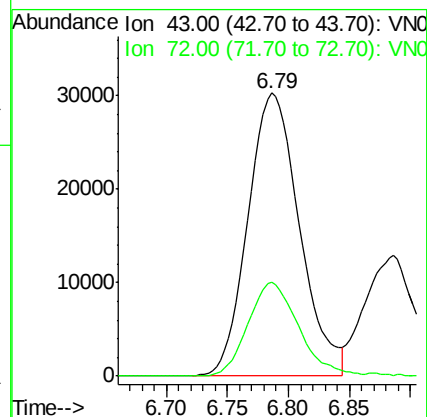
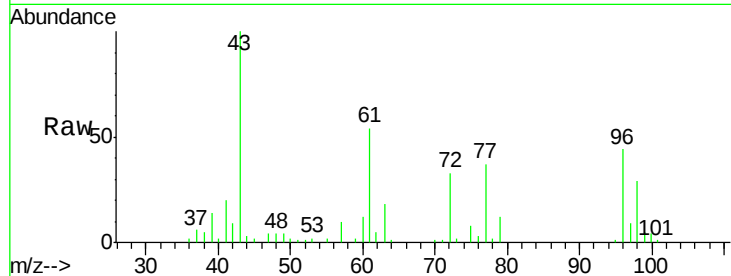
72 33.2 24.6 37.0

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#26

2,2-Dichloropropane

Concen: 16.552 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061920.D

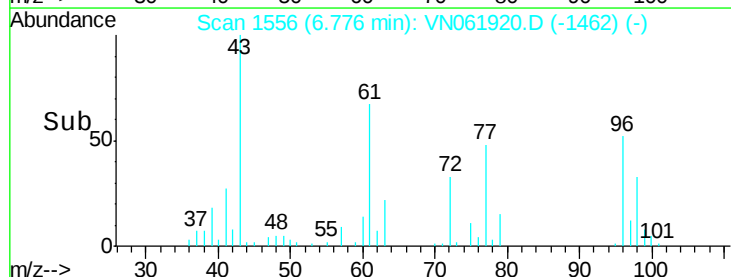
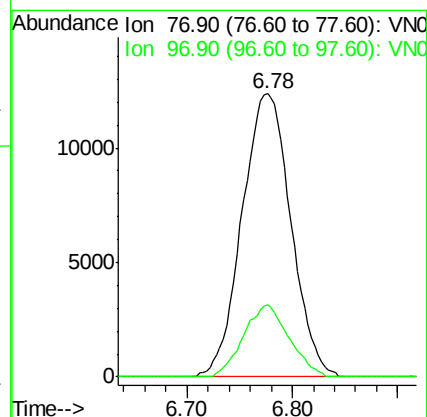
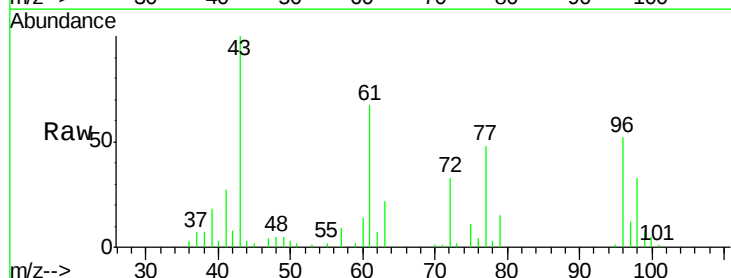
Acq: 19 Jun 2020 00:29

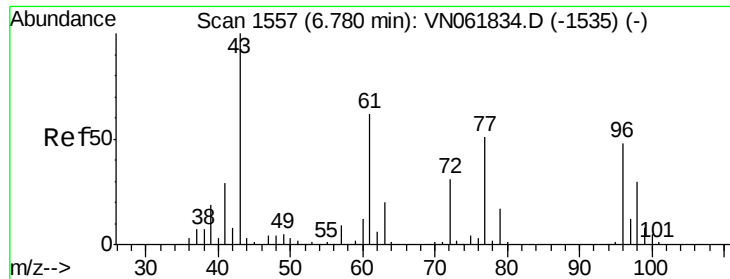
Tgt Ion: 77 Resp: 39788

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.983 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

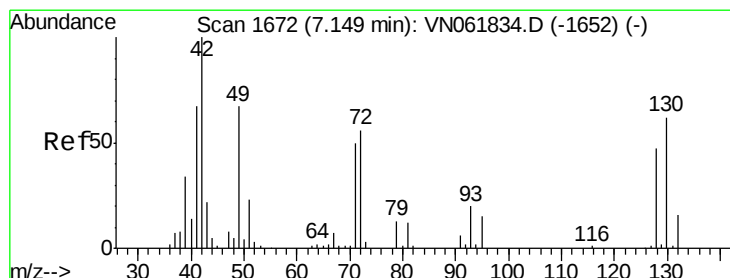
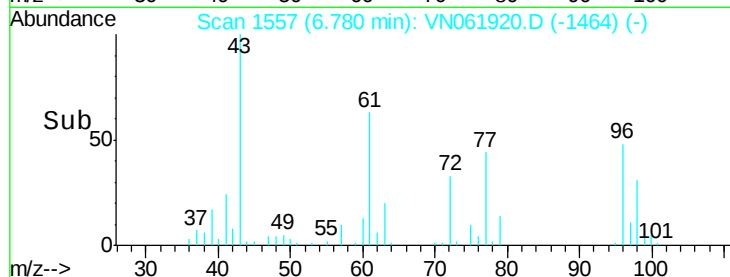
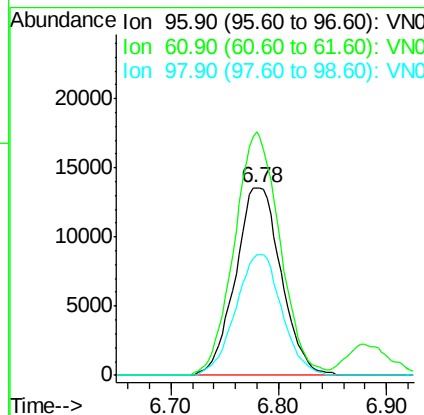
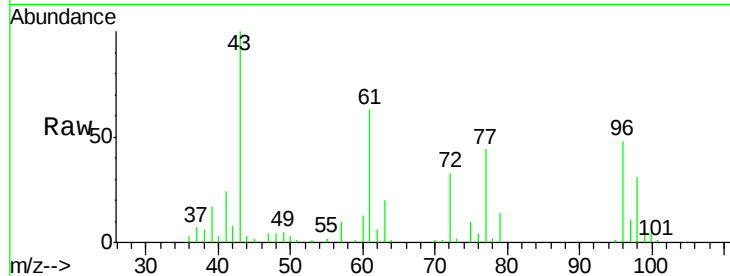
ClientSampleId :

VN0618WBSD02

Tot Ion:	96	Resp:	39987
Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	265.6
98	64.8	0.0	128.2

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#28

Bromochloromethane

Concen: 20.647 ug/l

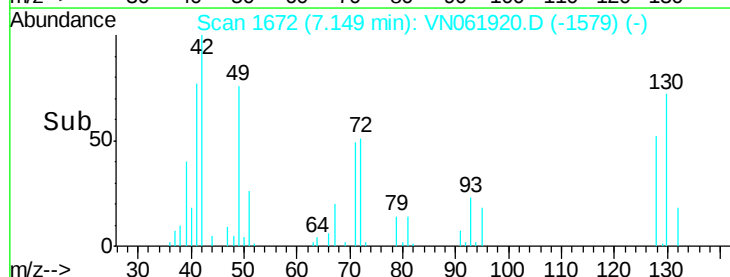
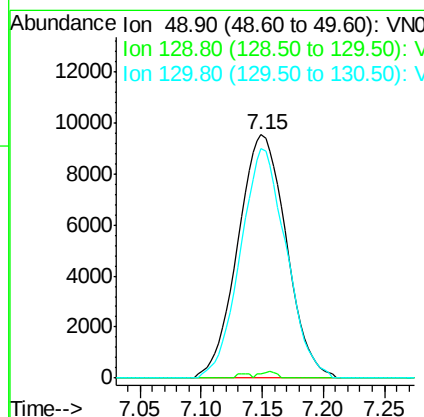
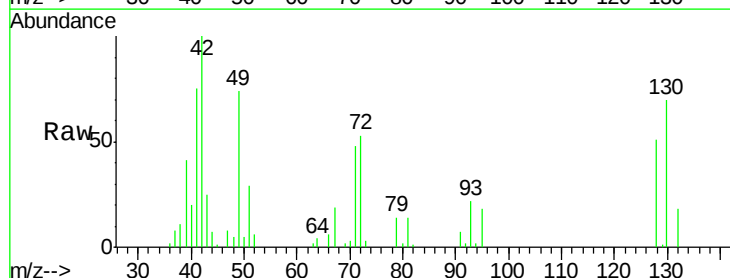
RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	49	Resp:	26266
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.0
130	89.2	72.2	108.2





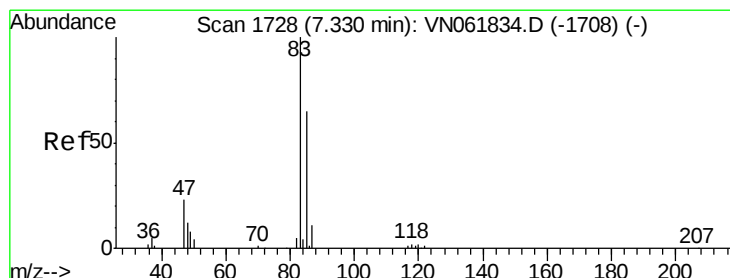
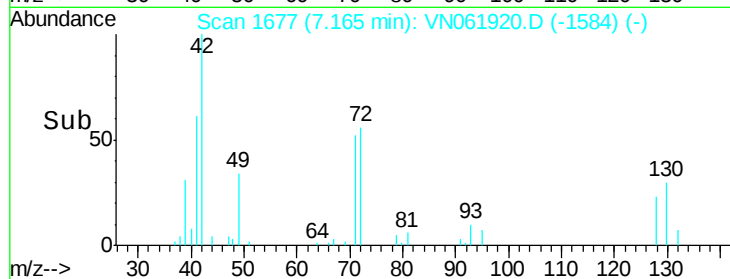
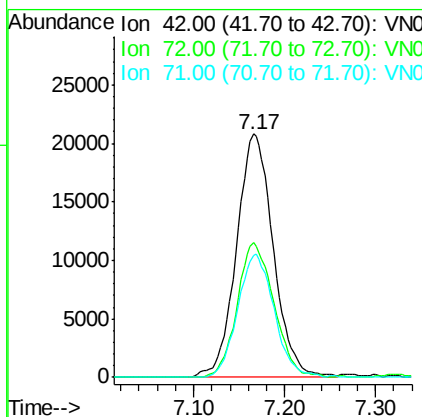
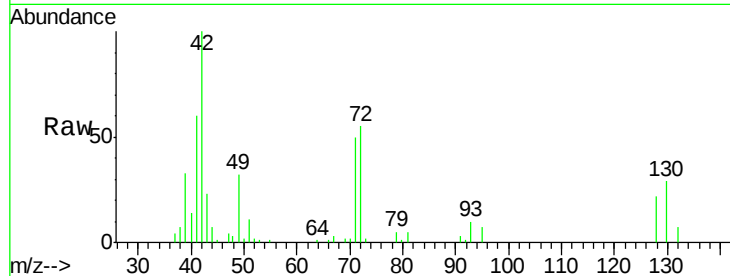
#29
Tetrahydrofuran
Concen: 108.701 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.1	44.0	66.0
71	50.0	40.0	60.0

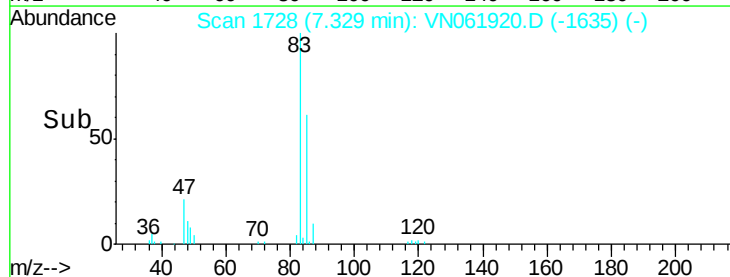
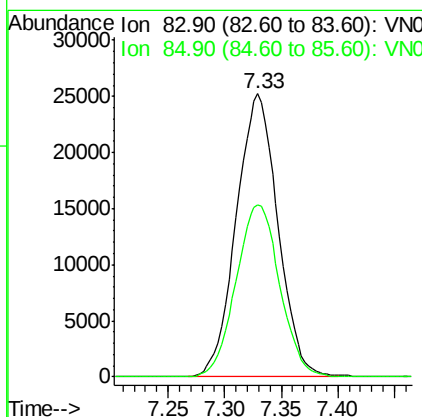
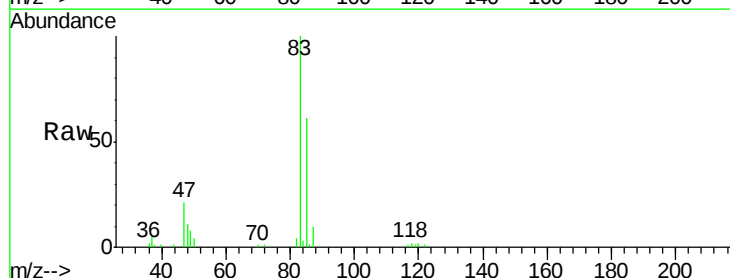
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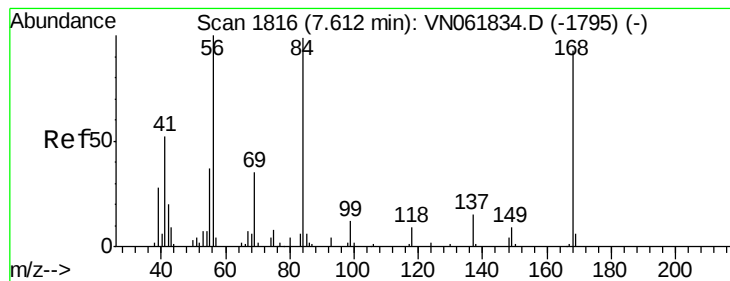
MMDadoda
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#30
Chloroform
Concen: 21.170 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.0	78.0





#31

Cyclohexane

Concen: 18.267 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

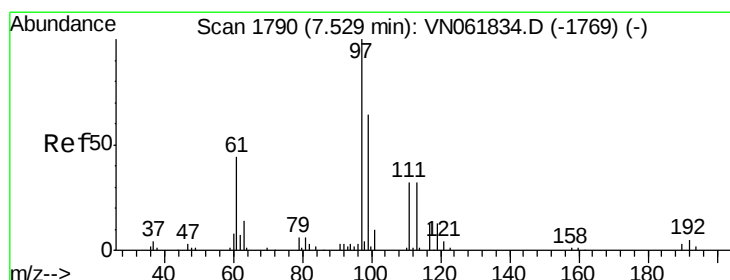
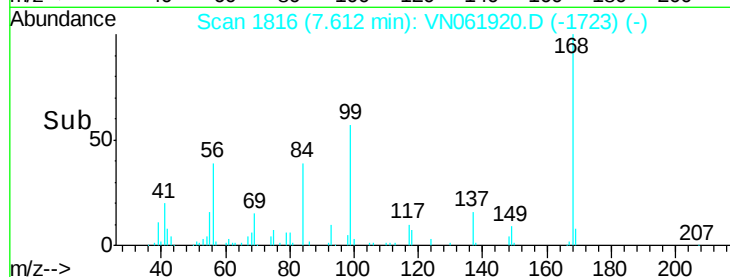
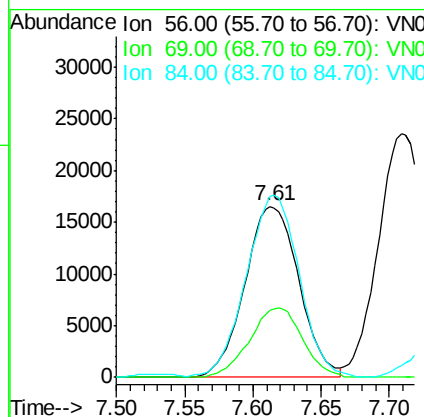
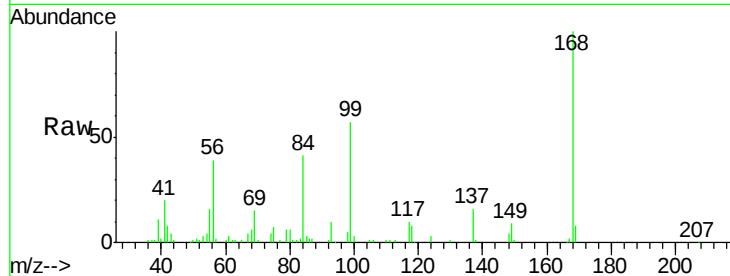
ClientSampleId :

VN0618WBSD02

Tot Ion:	56	Resp:	45689
Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.7	41.5
84	104.6	79.1	118.7

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#32

1,1,1-Trichloroethane

Concen: 20.097 ug/l

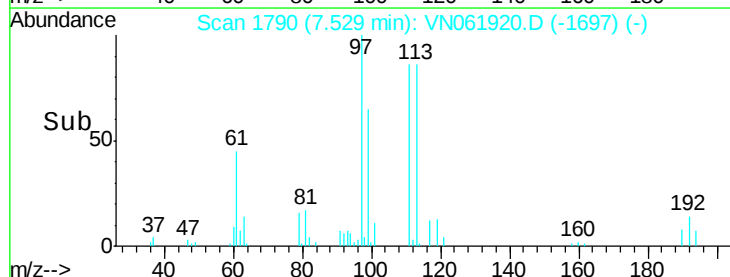
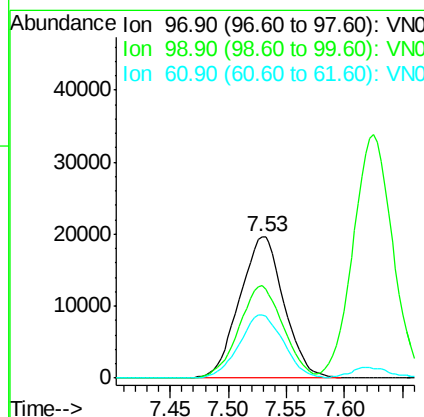
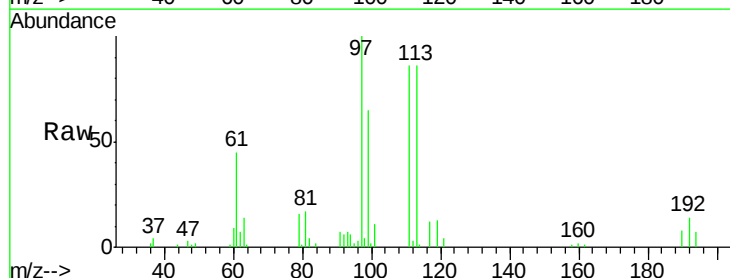
RT: 7.53 min Scan# 1790

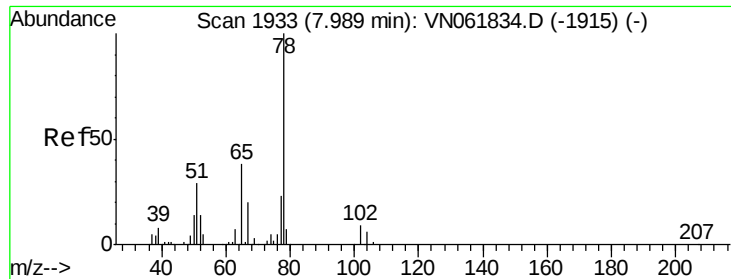
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	97	Resp:	52261
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.5	77.3
61	44.5	35.1	52.7





#33

1,2-Dichloroethane-d4

Concen: 53.966 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 65 Resp: 102426

Ion Ratio Lower Upper

65 100

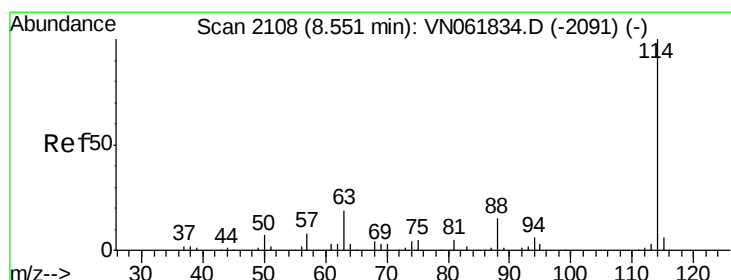
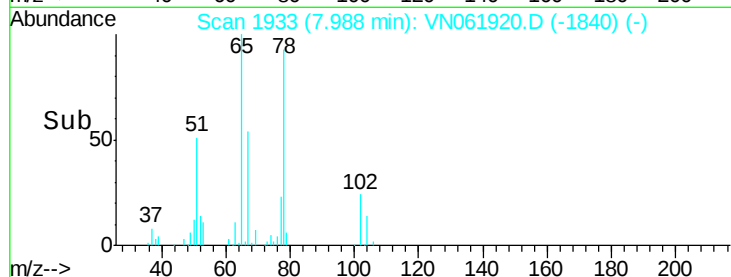
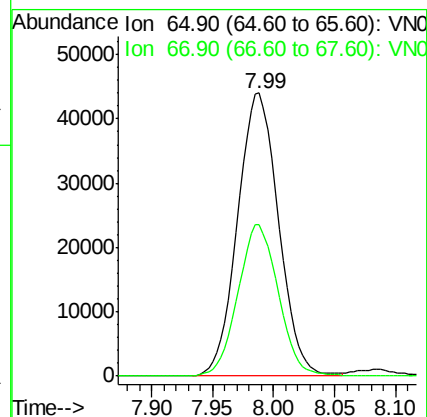
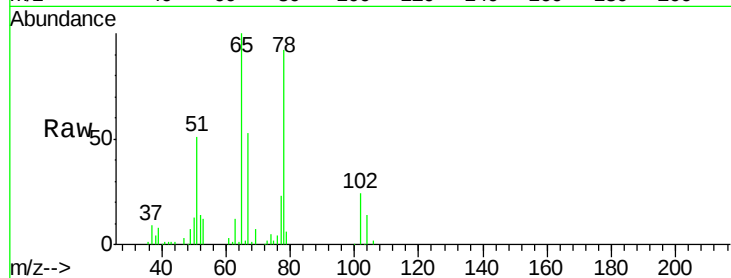
67 52.6 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

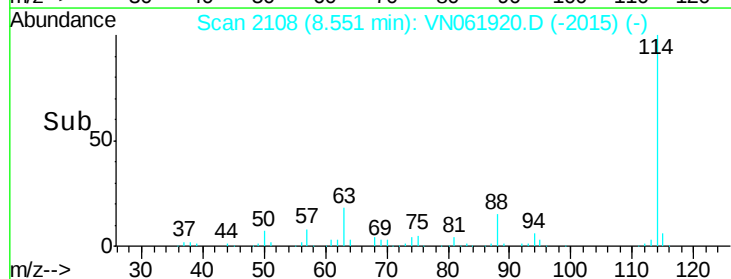
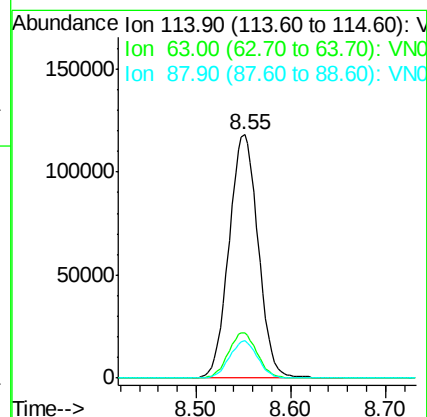
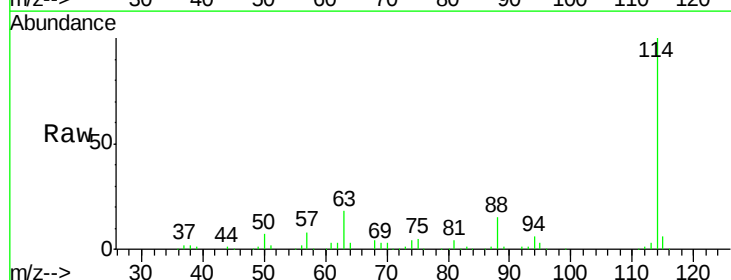
Tgt Ion: 114 Resp: 252985

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.6

88 15.2 0.0 31.0





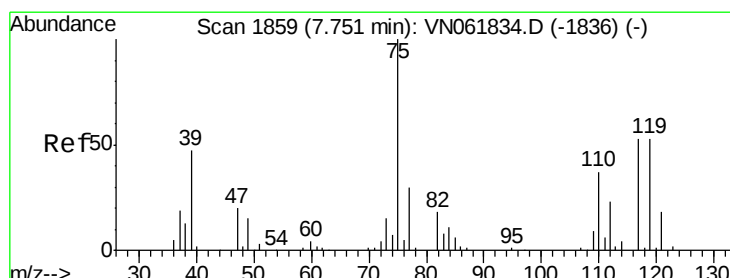
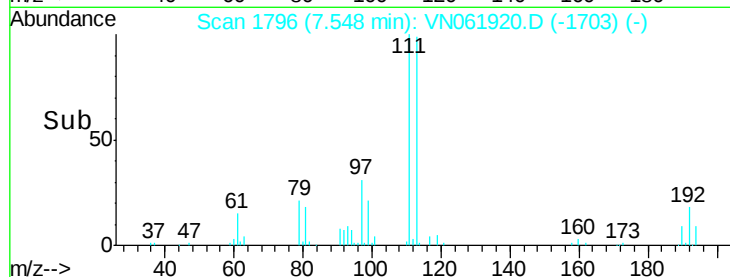
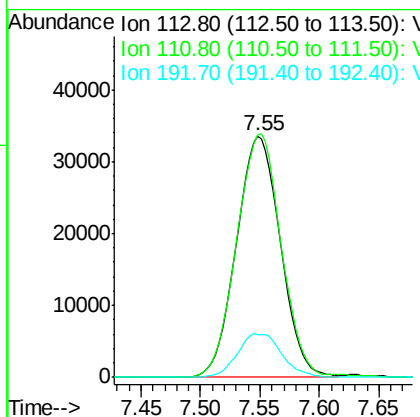
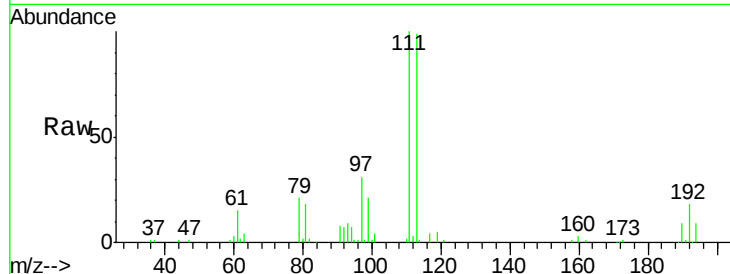
#35
 Dibromofluoromethane
 Concen: 53.140 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.7	125.5
192	18.1	13.9	20.9

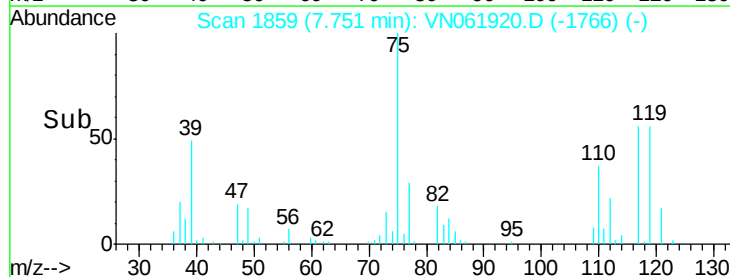
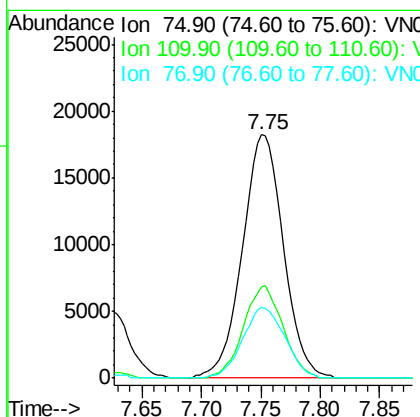
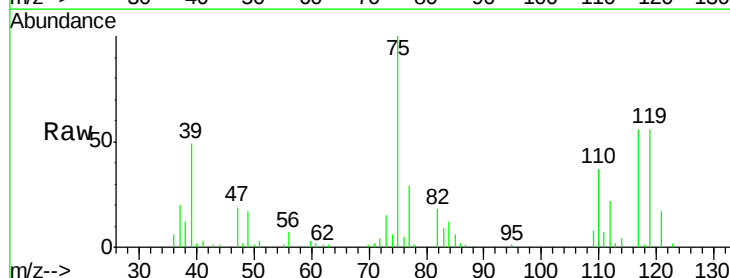
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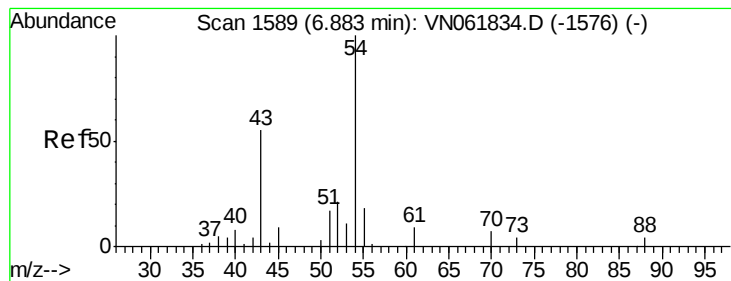
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#36
 1,1-Dichloropropene
 Concen: 18.868 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	29.9	24.2	36.4





#37

Ethyl Acetate

Concen: 19.807 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

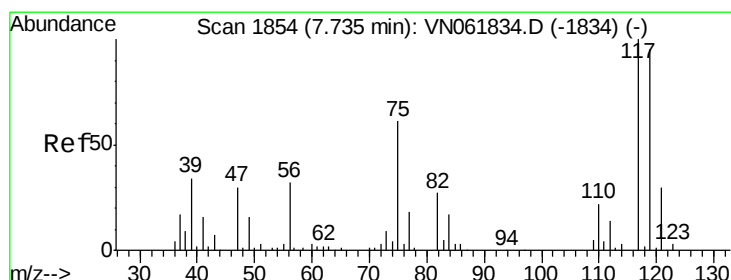
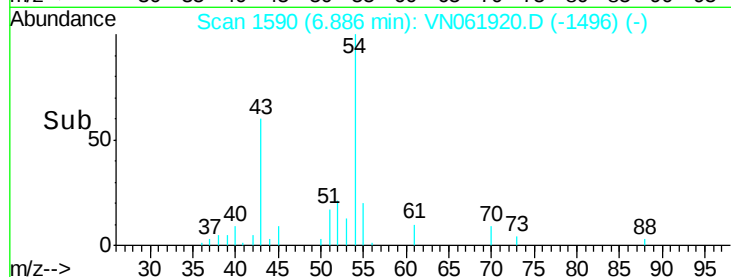
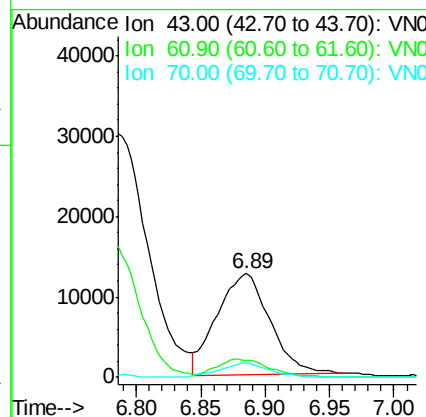
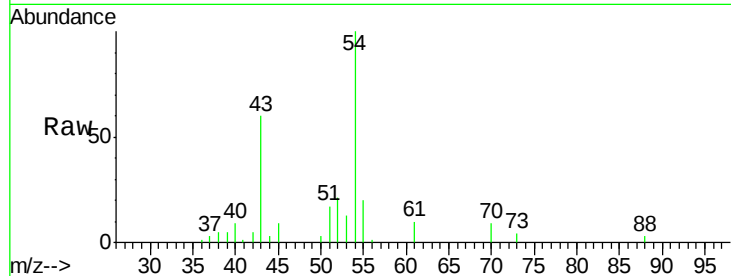
ClientSampleId :

VN0618WBSD02

Tot Ion:	43	Resp:	35691
Ion	Ratio	Lower	Upper
43	100		
61	18.3	13.0	19.4
70	13.1	9.4	14.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.484 ug/l

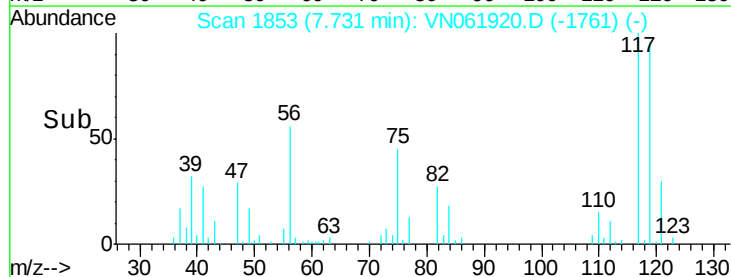
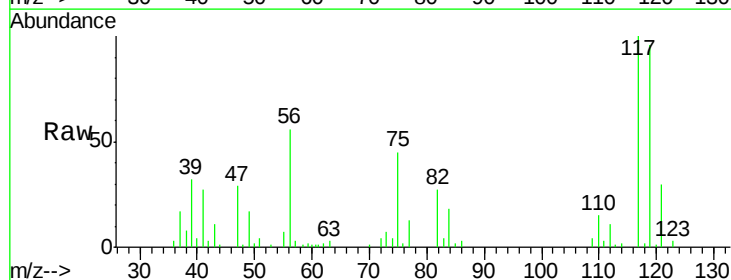
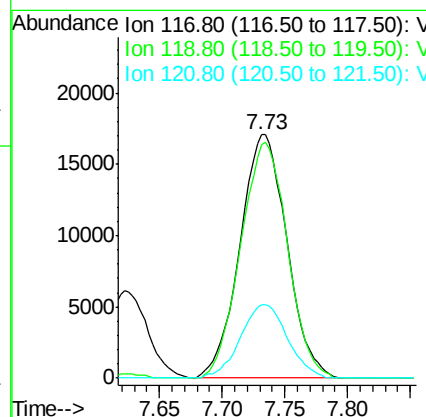
RT: 7.73 min Scan# 1853

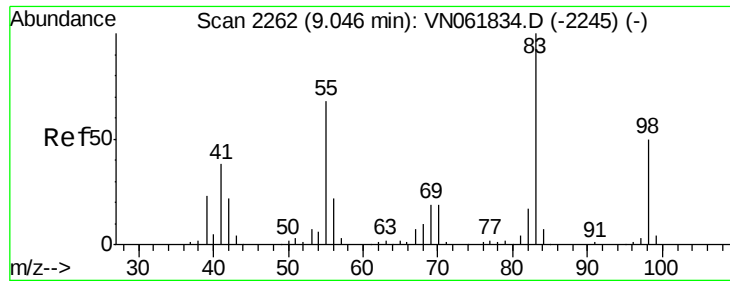
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	117	Resp:	44522
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.6
121	30.2	23.8	35.6





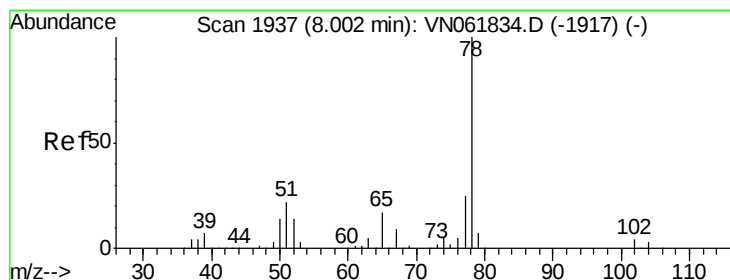
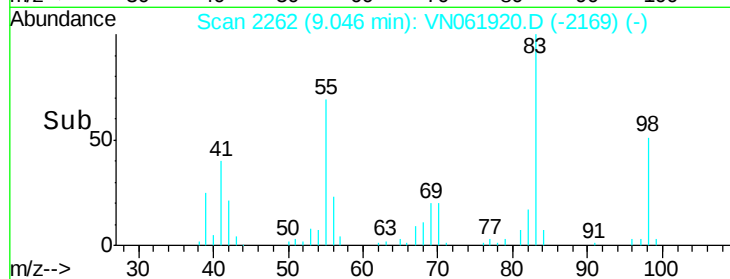
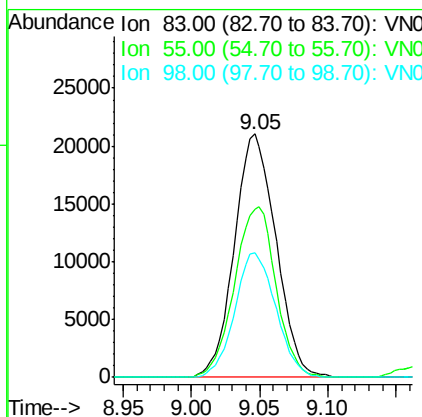
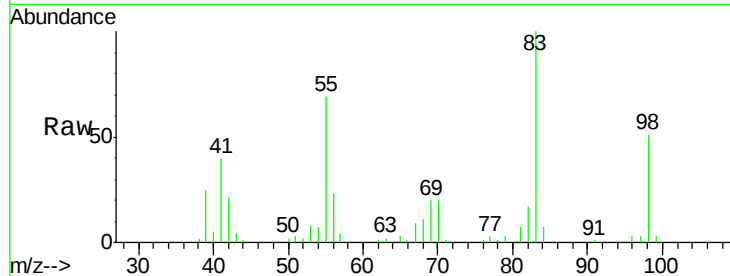
#39
Methvlcvclohexane
Concen: 17.897 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	54.2	81.4
98	51.0	39.8	59.6

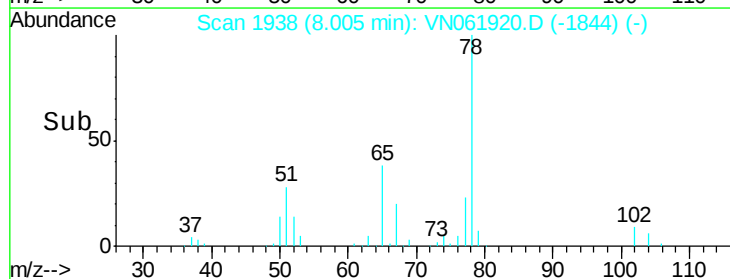
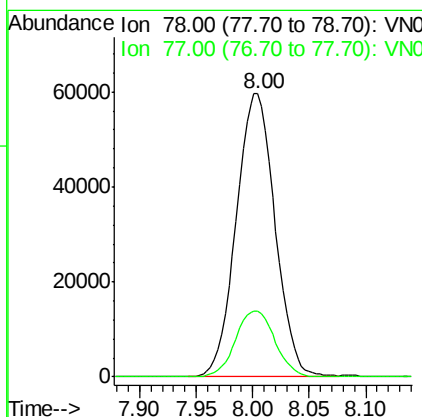
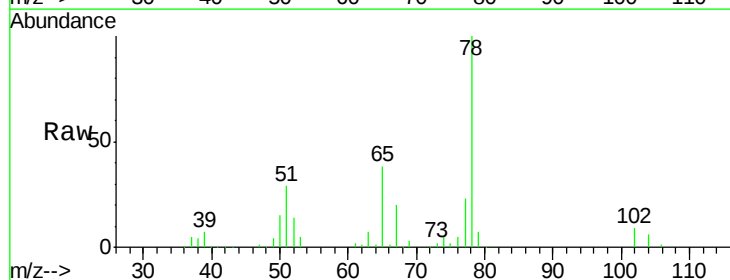
Manual Integrations
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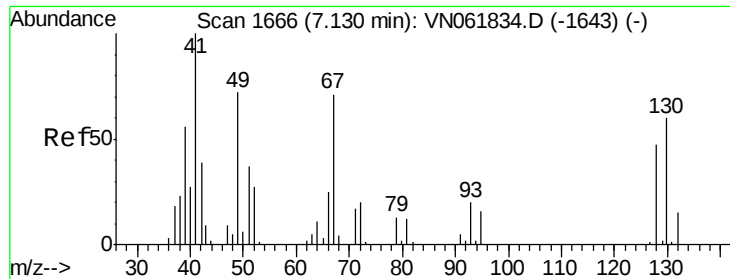
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#40
Benzene
Concen: 20.389 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.7	29.5





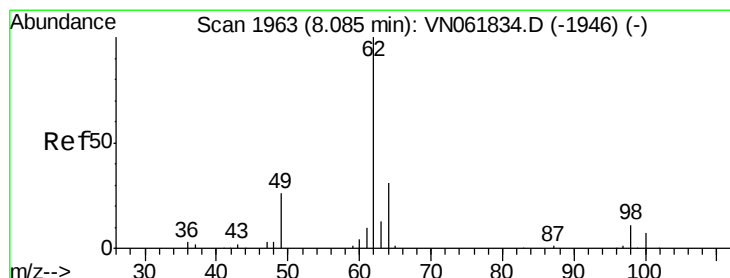
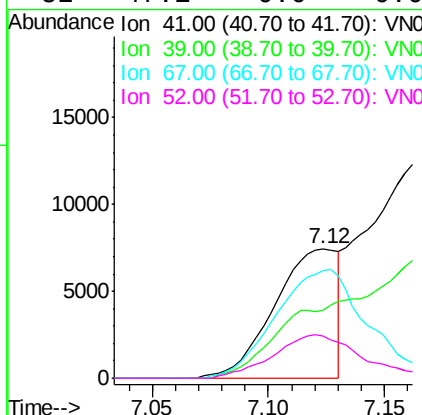
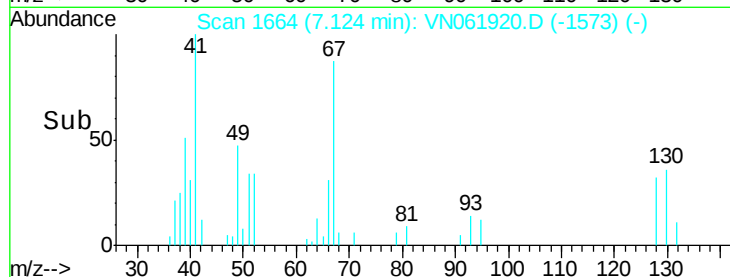
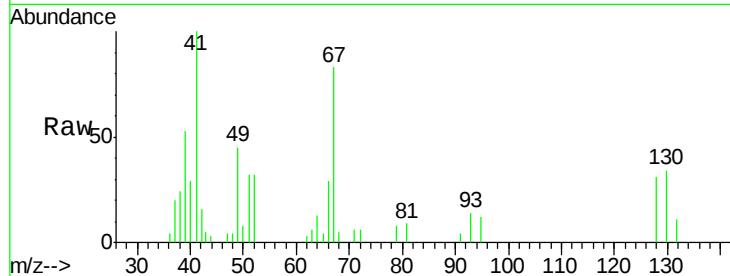
#41
Methacrylonitrile
Concen: 18.348 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	41	Resp	14138
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	122.1	0.0	0.0#
52	47.1	0.0	0.0#

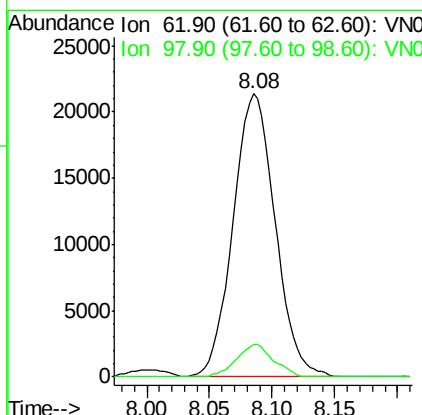
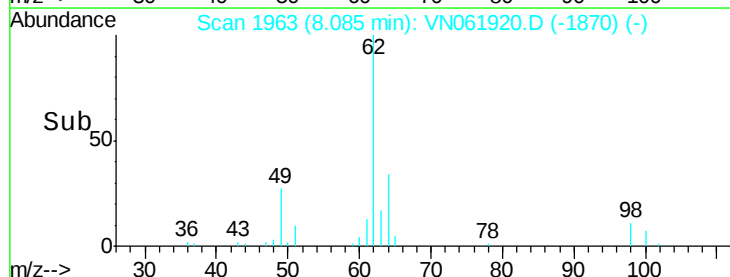
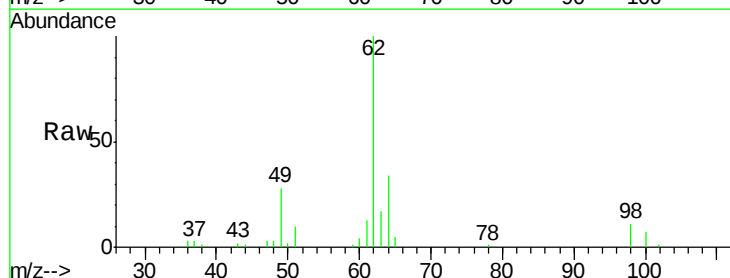
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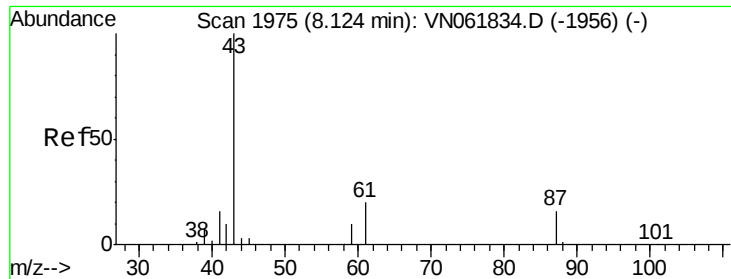
MMDadoda
6/19/2020 1:02:36 PM



#42
1,2-Dichloroethane
Concen: 20.949 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	62	Resp	49929
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	20.4





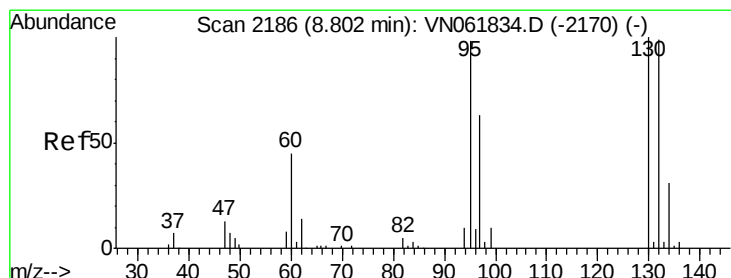
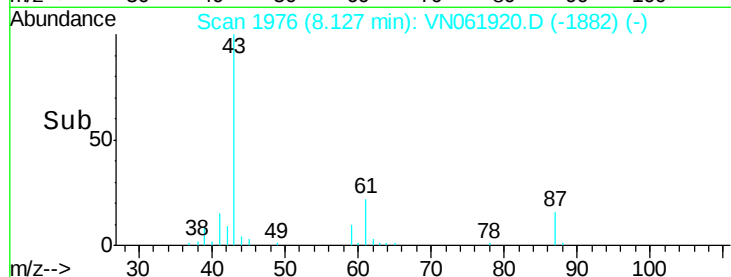
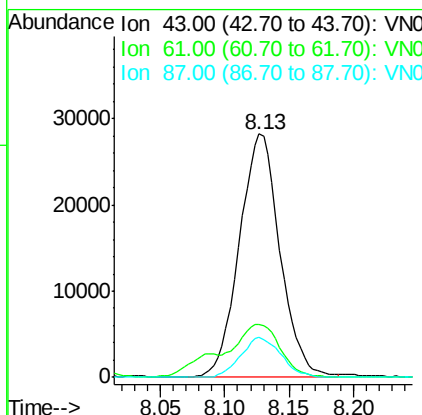
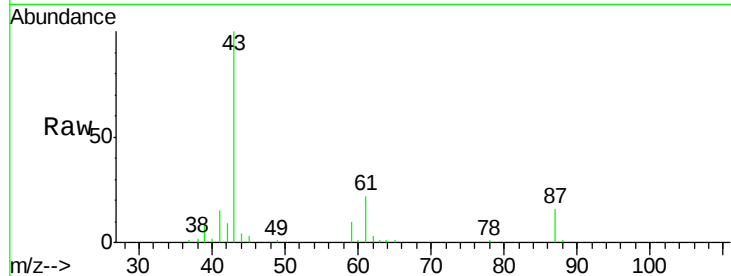
#43
Isopropyl Acetate
Concen: 20.399 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	24.0	36.0#
87	16.0	12.5	18.7

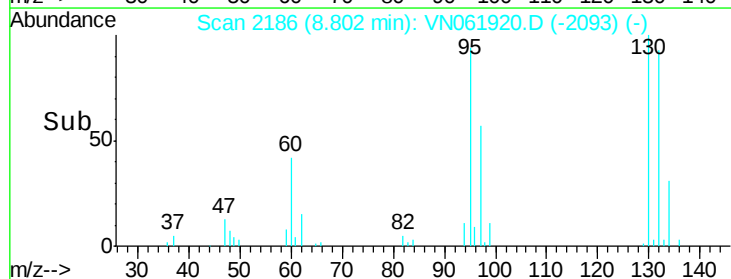
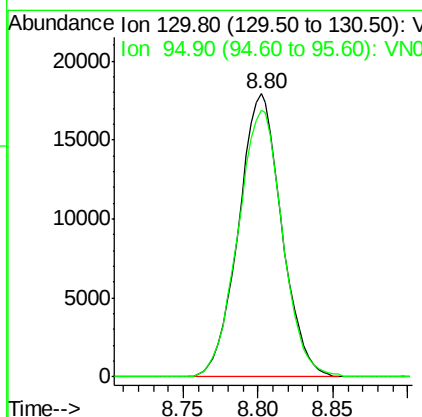
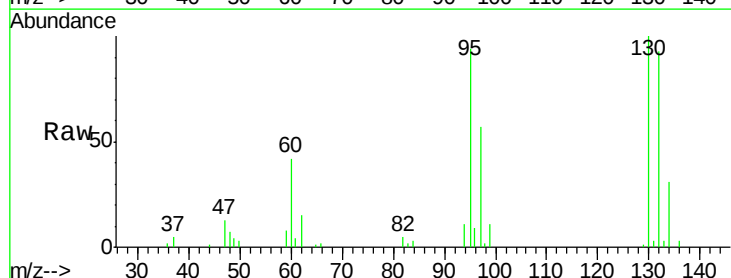
Manual Integrations
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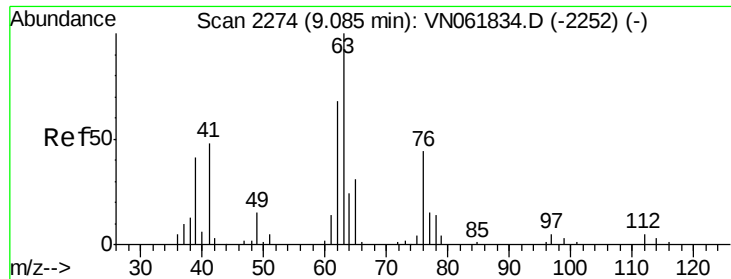
MMDadoda
6/19/2020 1:02:36 PM



#44
Trichloroethene
Concen: 19.496 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	195.6





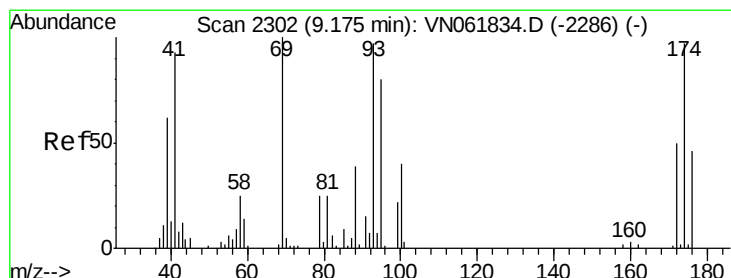
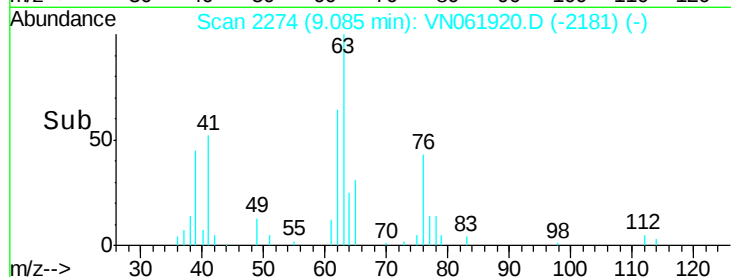
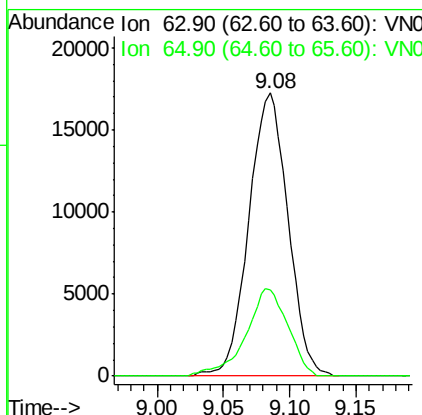
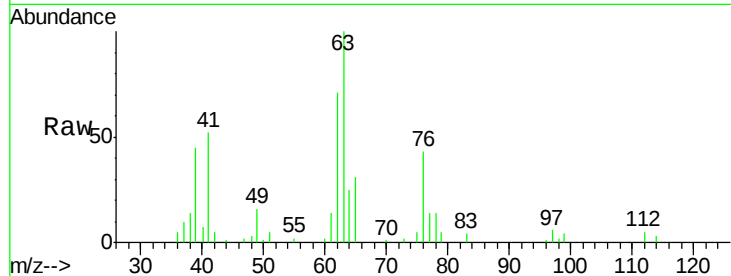
#45
 1,2-Dichloropropane
 Concen: 20.646 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion: 63 Resp: 35465
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.1 37.7

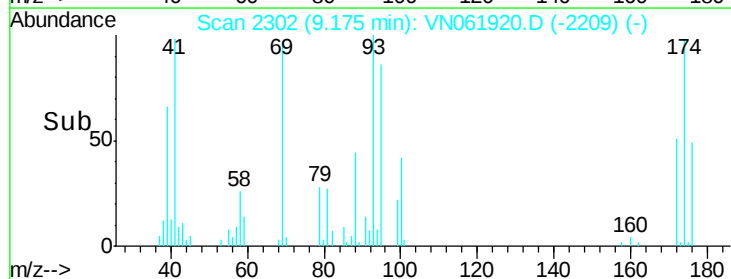
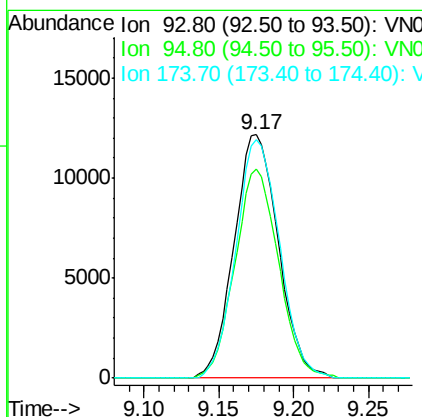
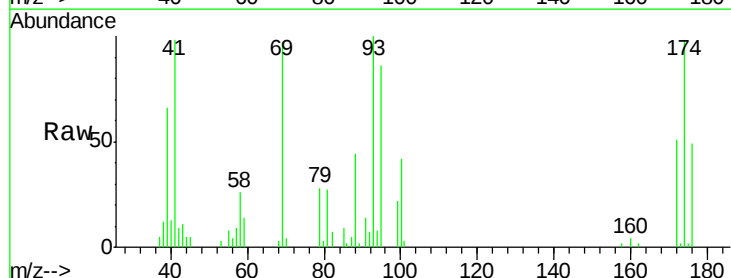
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.790 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion: 93 Resp: 25148
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.8 98.6
 174 96.1 78.5 117.7





#47

Bromodichloromethane

Concen: 20.463 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

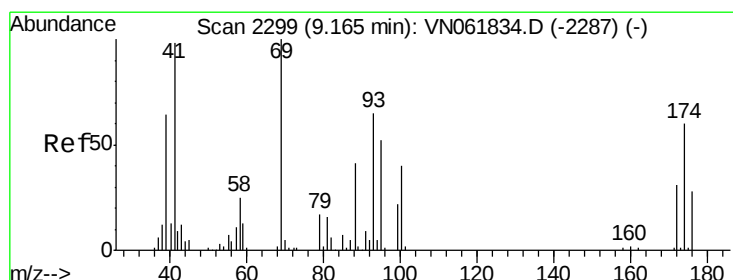
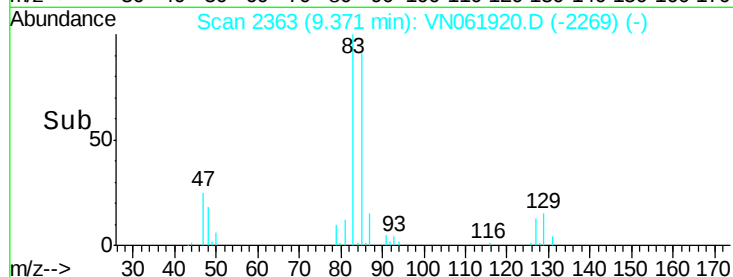
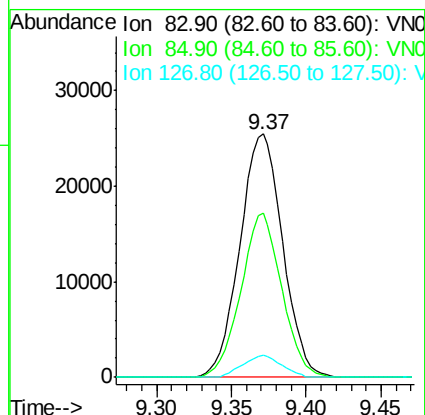
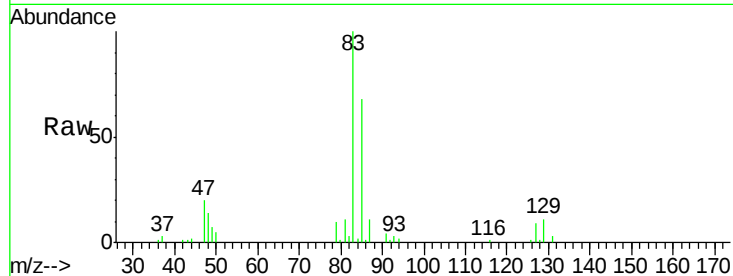
ClientSampleId :

VN0618WBSD02

Tot Ion:	83	Resp:	50686
Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.8	76.2
127	9.3	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.630 ug/l

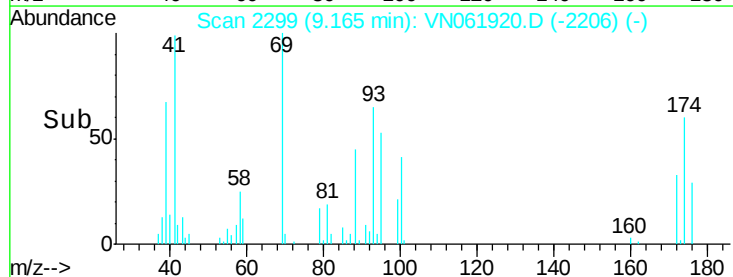
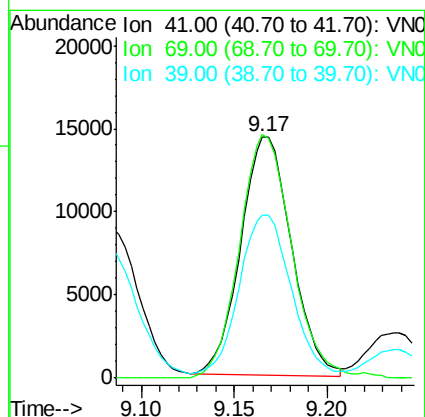
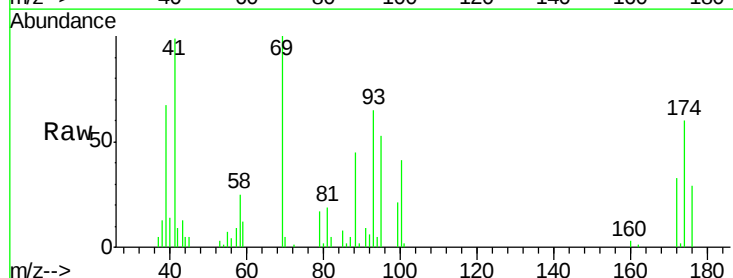
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	41	Resp:	27109
Ion	Ratio	Lower	Upper
41	100		
69	106.0	83.0	124.4
39	71.6	55.1	82.7





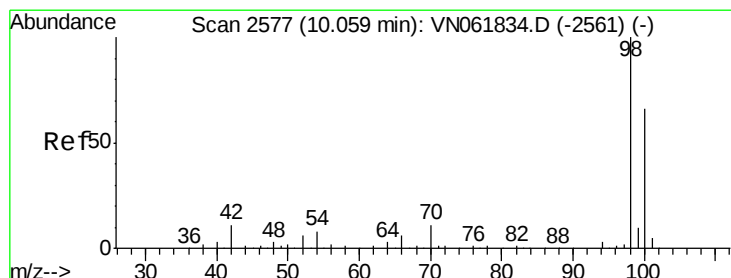
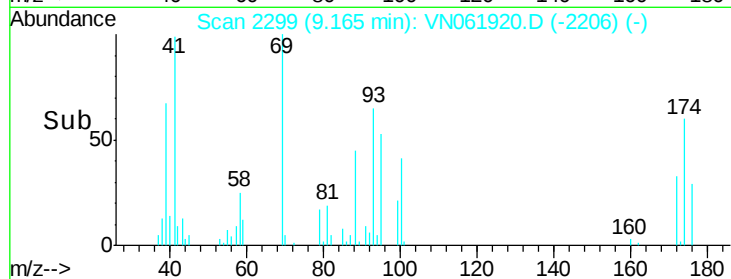
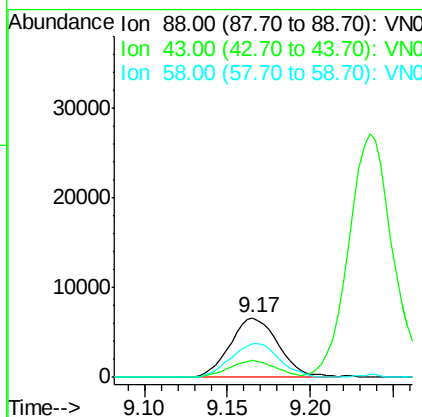
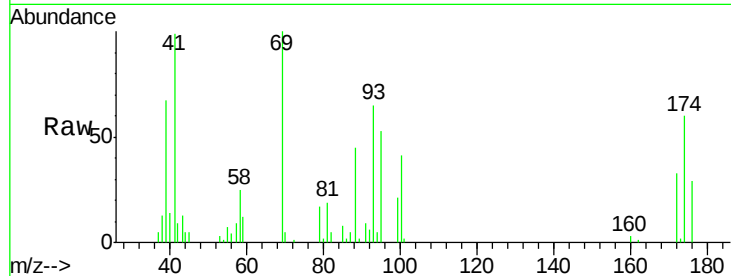
#49
 1,4-Dioxane
 Concen: 425.099 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	88	Resp	13478
Ion	Ratio	Lower	Upper
88	100		
43	27.3	23.4	35.2
58	56.9	49.8	74.6

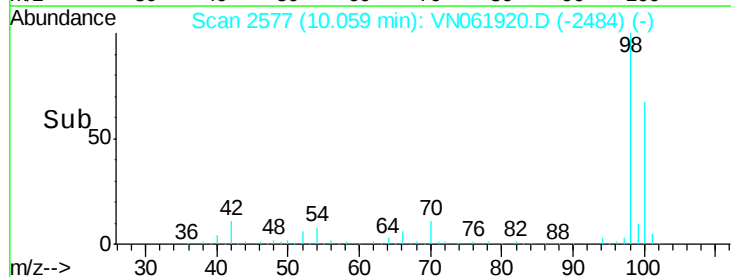
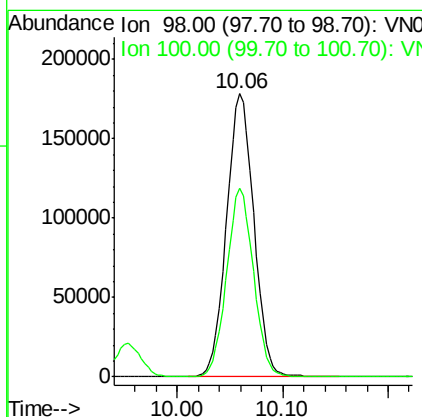
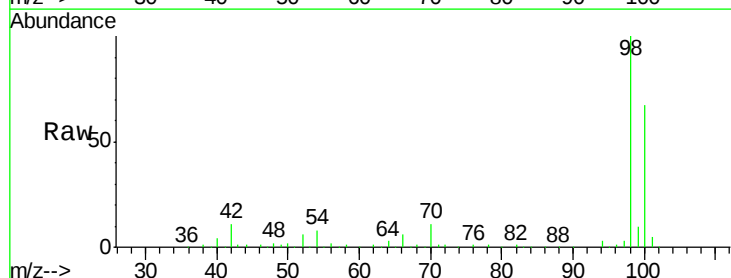
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#50
 Toluene-d8
 Concen: 50.307 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	98	Resp	320093
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 105.302 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 188962

Ion Ratio Lower Upper

43 100

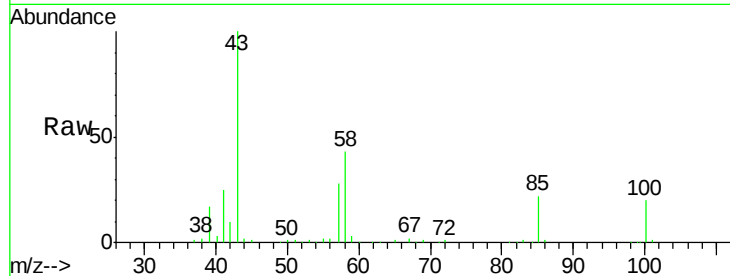
58 43.2 34.6 52.0

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

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

9.95

120000

100000

80000

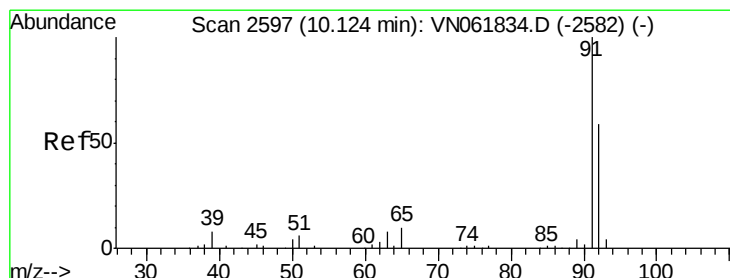
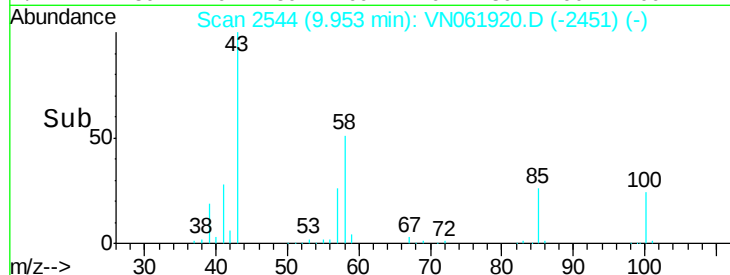
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.008 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061920.D

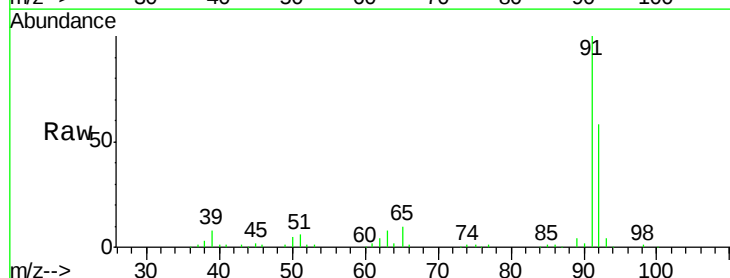
Acq: 19 Jun 2020 00:29

Tgt Ion: 92 Resp: 87833

Ion Ratio Lower Upper

92 100

91 173.6 137.1 205.7



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

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

10.12

100000

80000

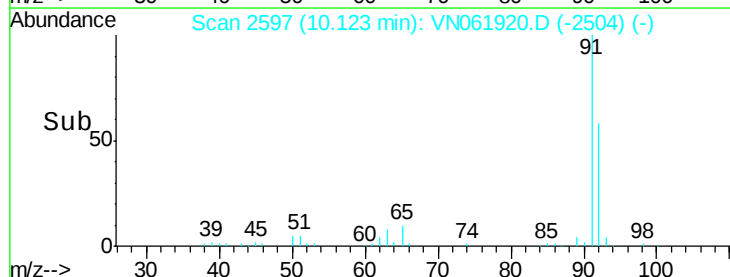
60000

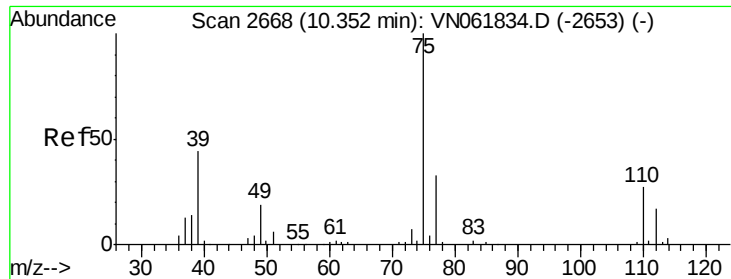
40000

20000

0

Time-->





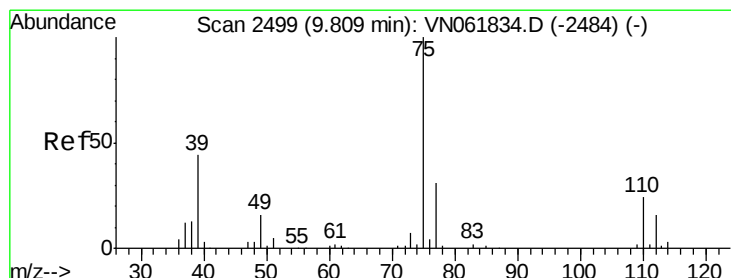
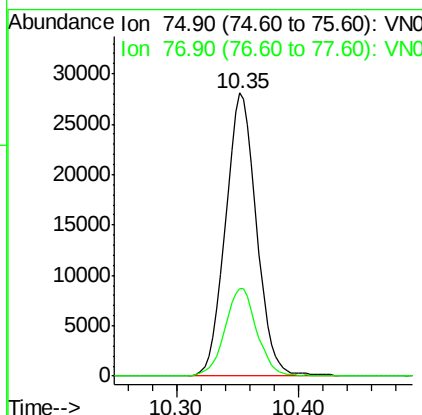
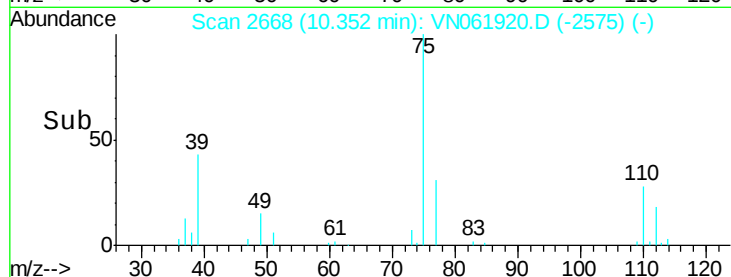
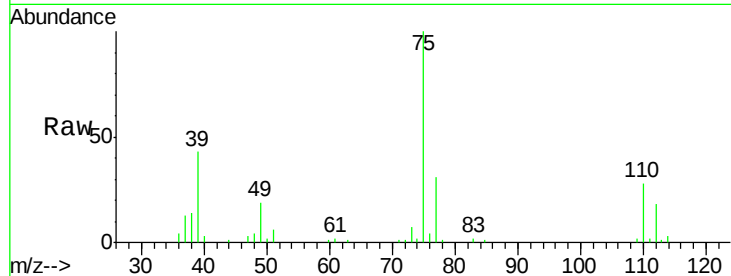
#53
t-1,3-Dichloropropene
Concen: 18.951 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 75 Resp: 49830
Ion Ratio Lower Upper
75 100
77 30.8 26.3 39.5

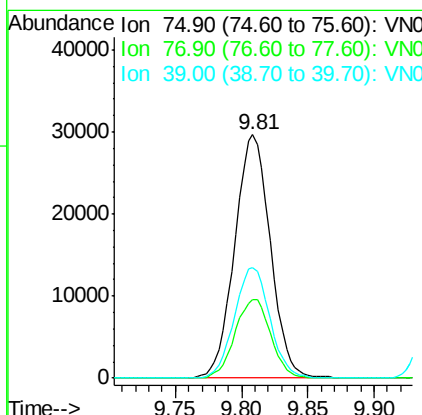
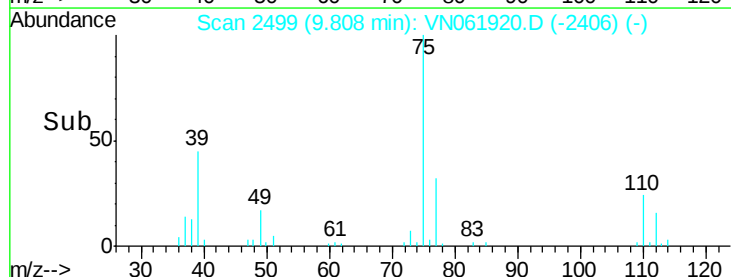
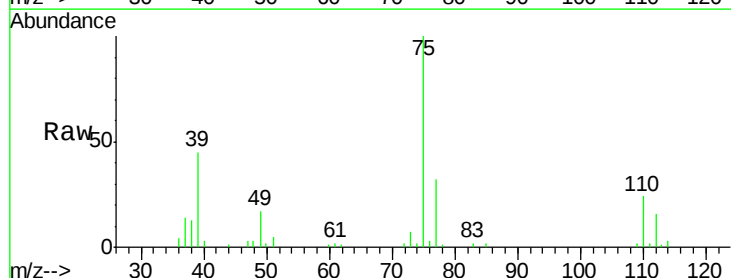
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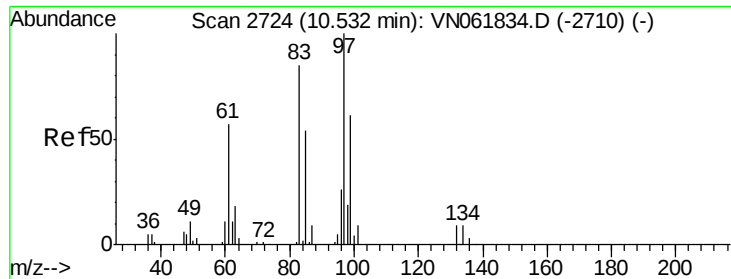
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.457 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion: 75 Resp: 55569
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2
39 45.4 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 21.711 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

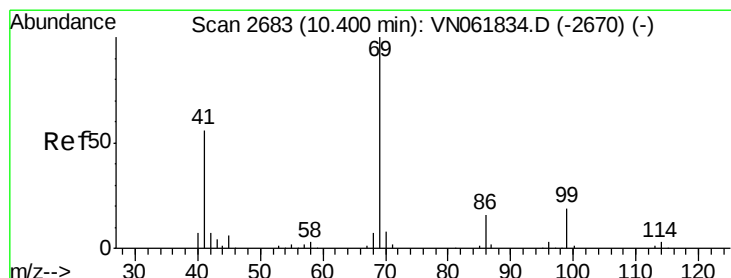
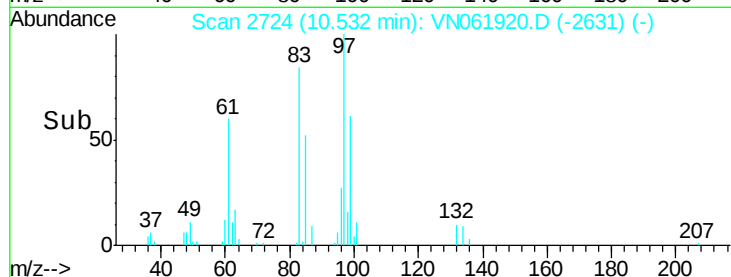
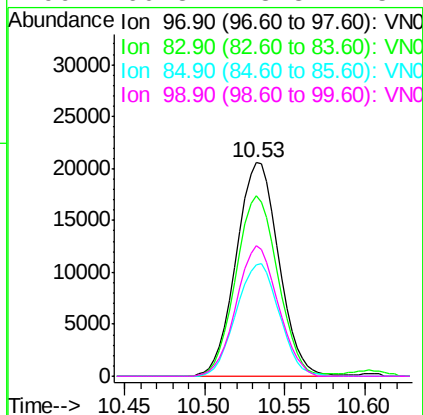
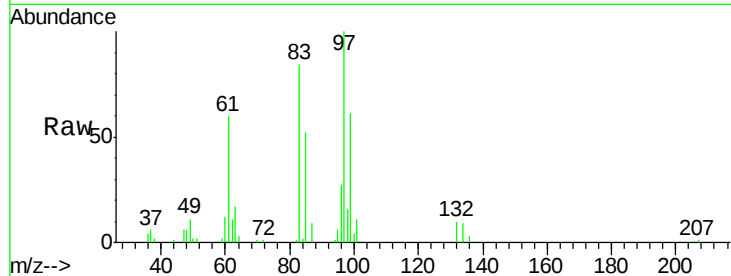
ClientSampleId :

VN0618WBSD02

Tot Ion:	97	Resp:	37499
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.7	101.5
85	52.4	43.4	65.0
99	60.8	48.8	73.2

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#56

Ethyl methacrylate

Concen: 19.709 ug/l

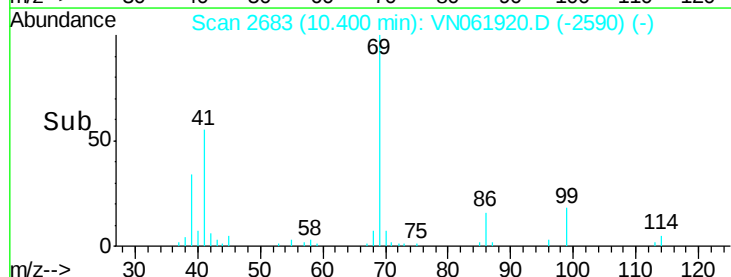
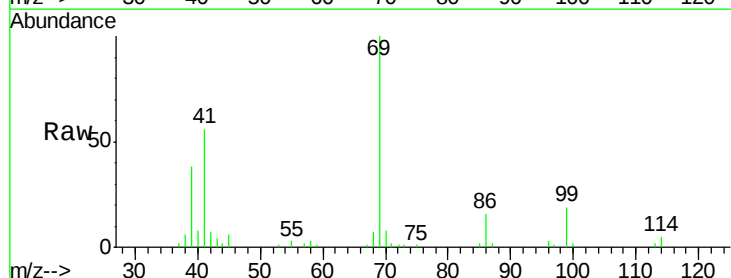
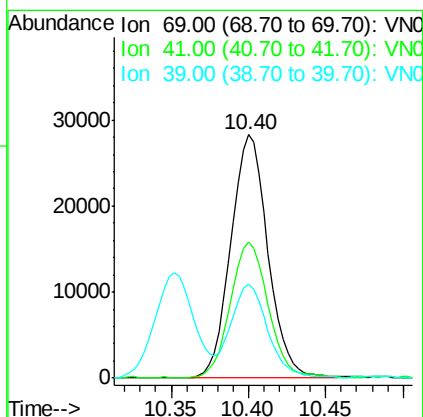
RT: 10.40 min Scan# 2683

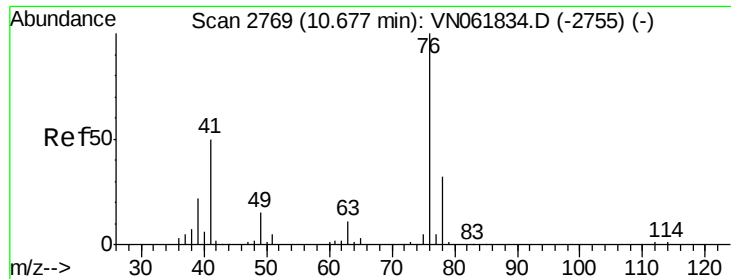
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	69	Resp:	47073
Ion	Ratio	Lower	Upper
69	100		
41	57.4	44.9	67.3
39	38.6	30.0	45.0





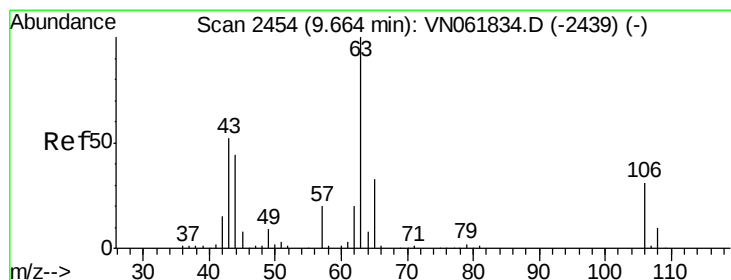
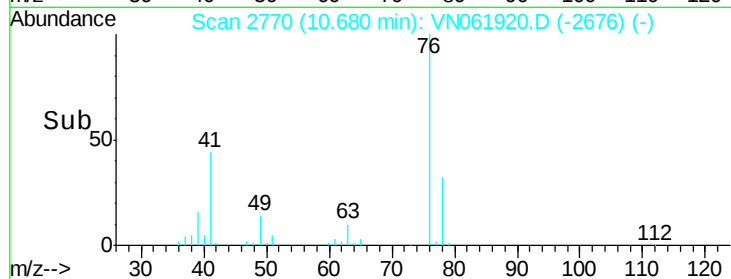
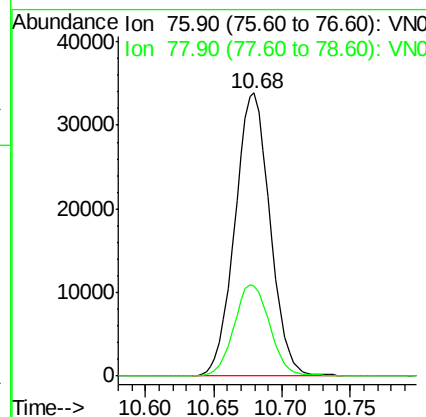
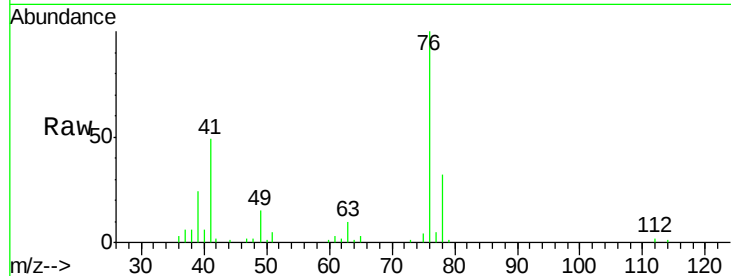
#57
 1,3-Dichloropropane
 Concen: 20.704 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion: 76 Resp: 60583
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

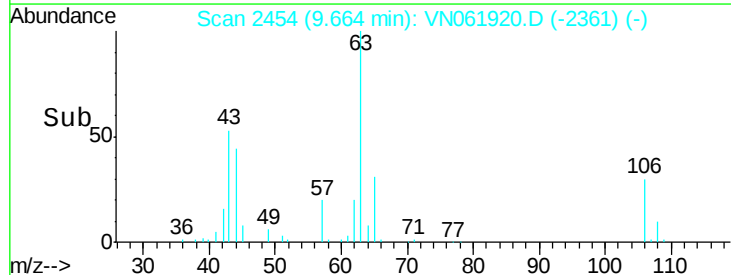
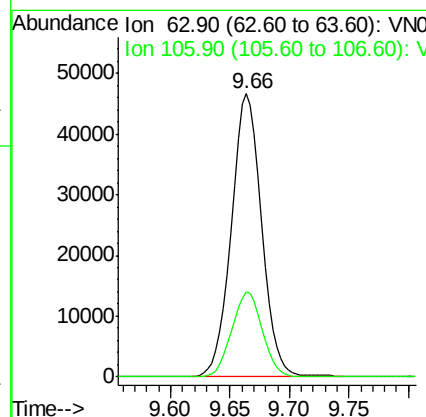
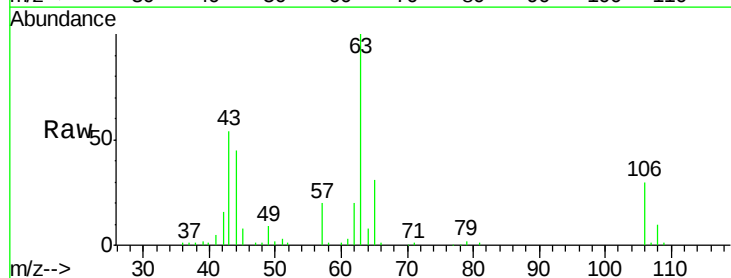
Manual Integrations
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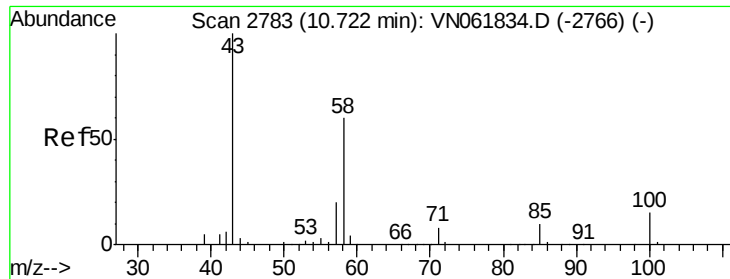
MMDadoda
 6/19/2020 1:02:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.164 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion: 63 Resp: 82190
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.6 36.8





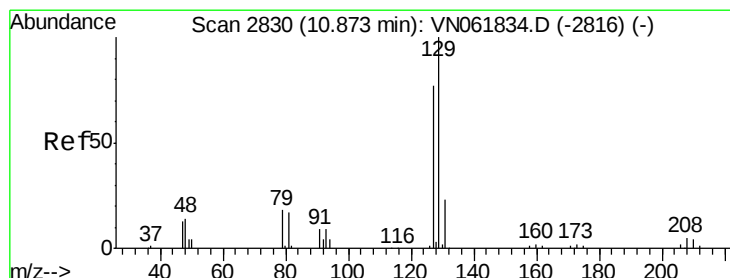
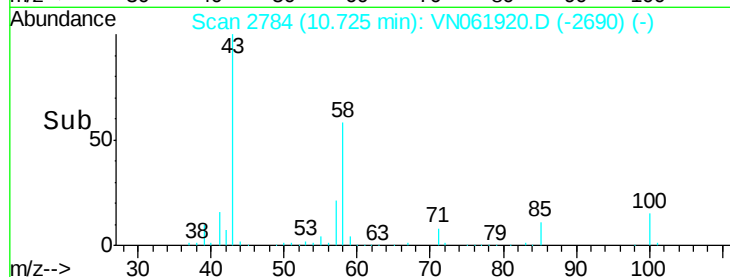
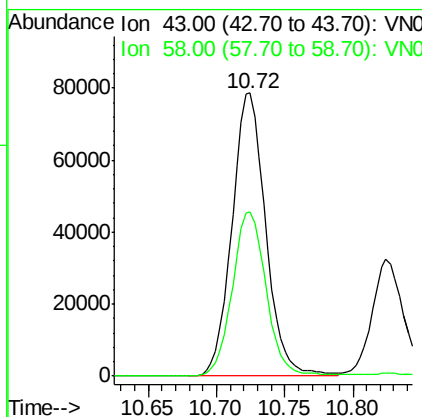
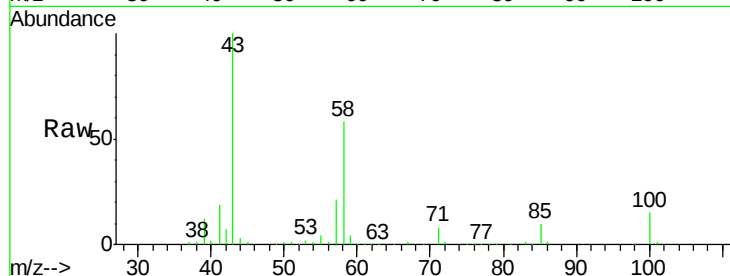
#59
2-Hexanone
Concen: 102.619 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 43 Resp: 135145
Ion Ratio Lower Upper
43 100
58 58.1 30.1 90.5

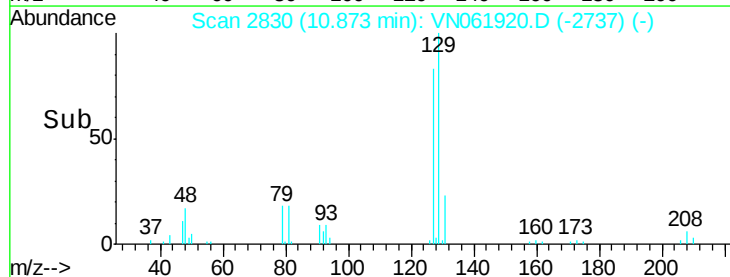
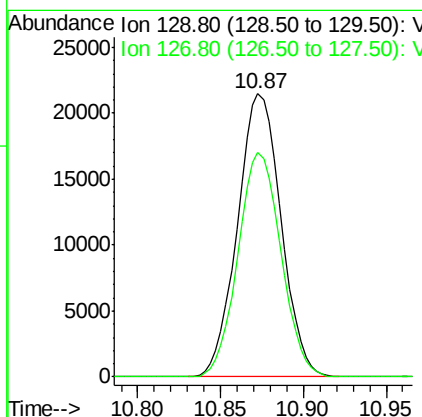
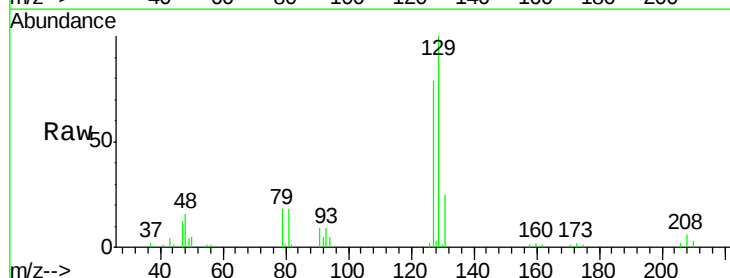
Manual Integrations
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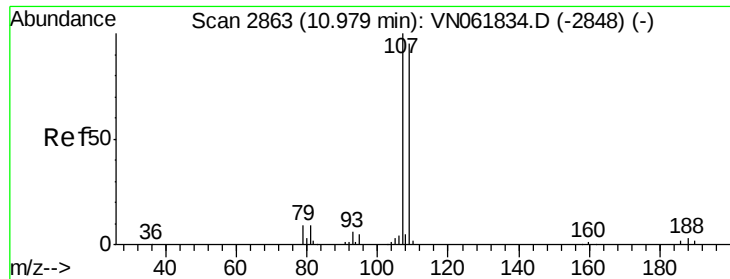
MMDadoda
6/19/2020 1:02:36 PM



#60
Dibromochloromethane
Concen: 20.385 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion: 129 Resp: 39287
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





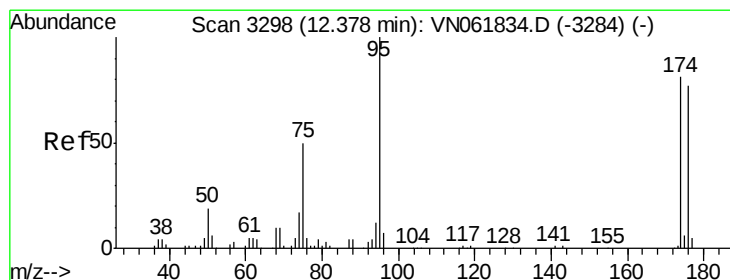
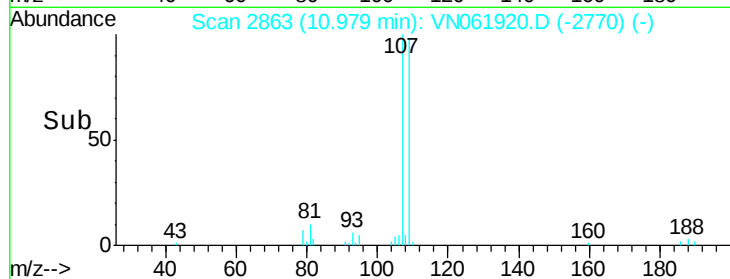
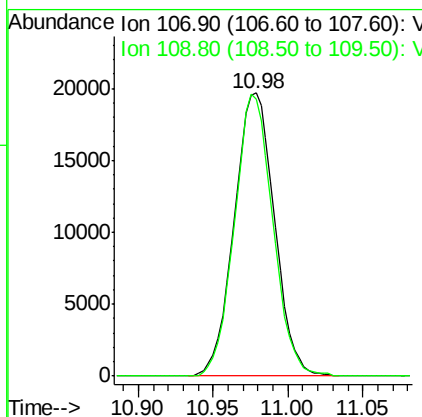
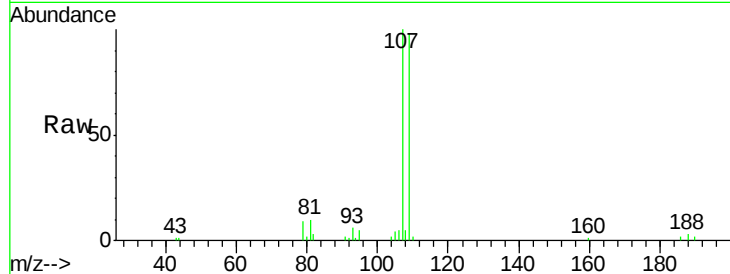
#61
 1,2-Dibromoethane
 Concen: 20.450 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion:107 Resp: 36883
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.6

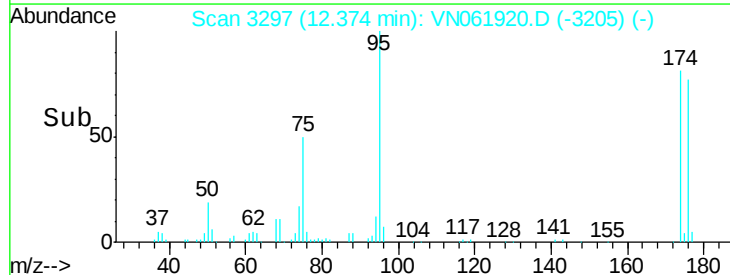
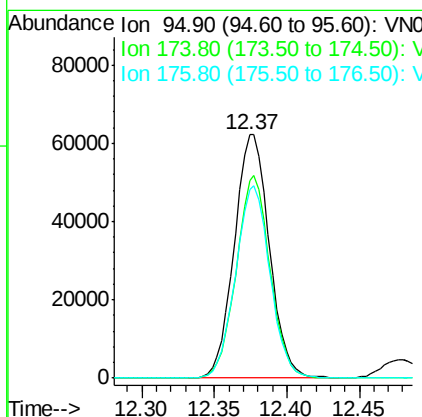
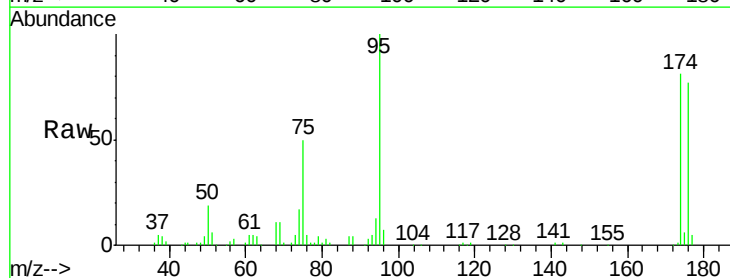
Manual Integrations
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 6/19/2020 1:02:36 PM



#62
 4-Bromofluorobenzene
 Concen: 47.943 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion: 95 Resp: 104639
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 158.6
 176 77.3 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: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

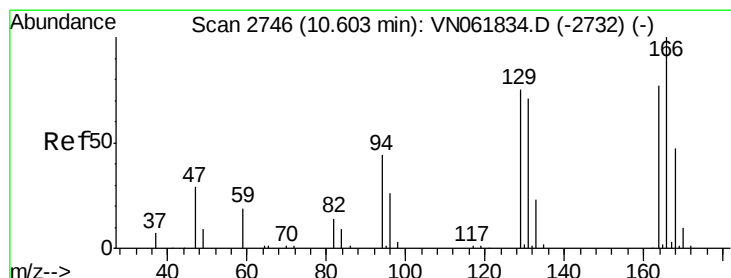
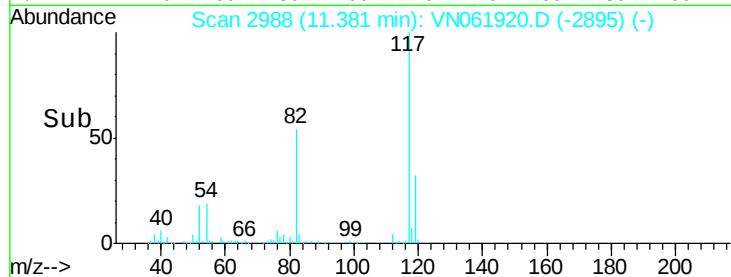
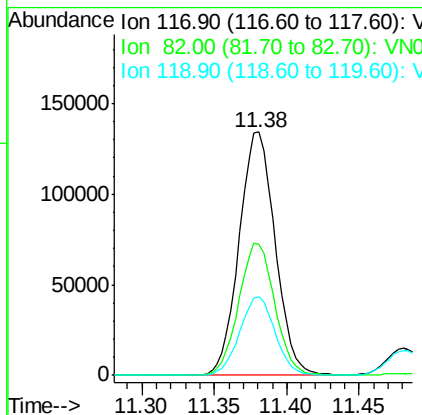
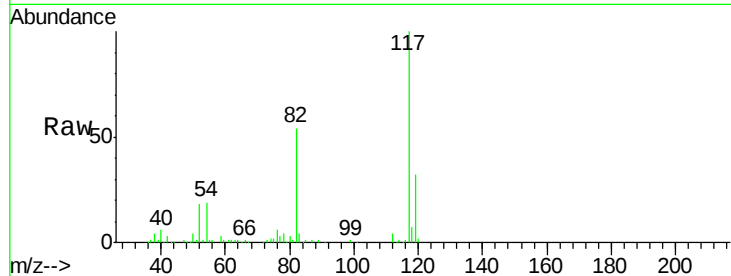
ClientSampleId :

VN0618WBSD02

Tot Ion:	117	Resp:	232540
Ion Ratio	Lower	Upper	
117	100		
82	54.0	42.6	64.0
119	32.4	24.7	37.1

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#64

Tetrachloroethene

Concen: 20.000 ug/l

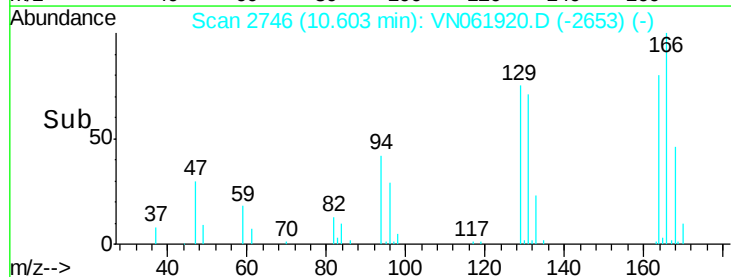
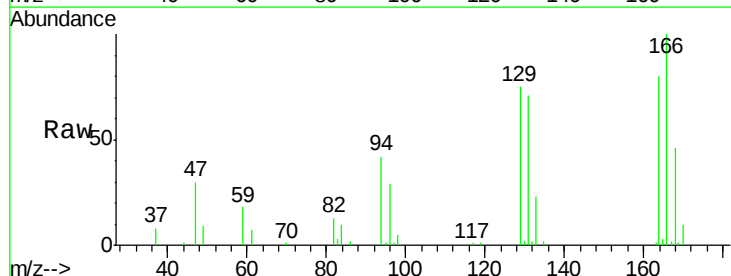
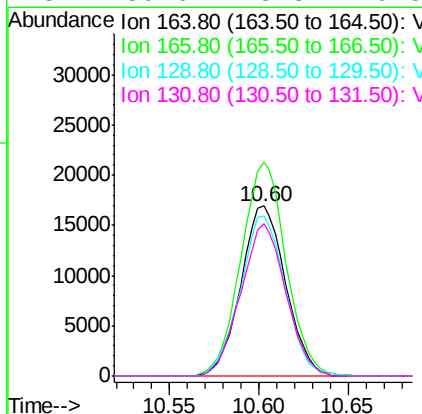
RT: 10.60 min Scan# 2746

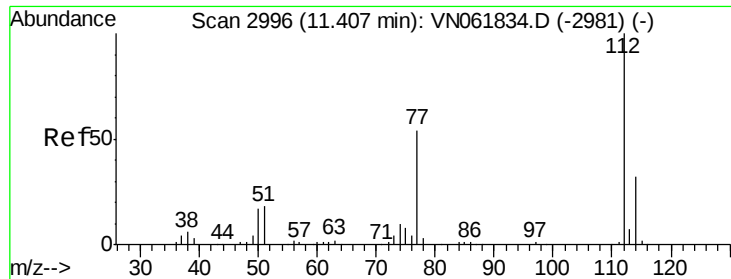
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	164	Resp:	29643
Ion Ratio	Lower	Upper	
164	100		
166	125.6	103.5	155.3
129	94.4	77.5	116.3
131	89.6	73.8	110.8





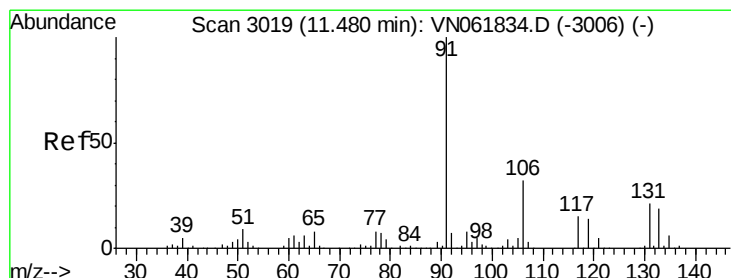
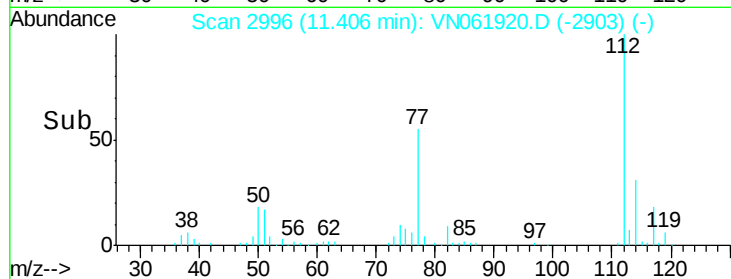
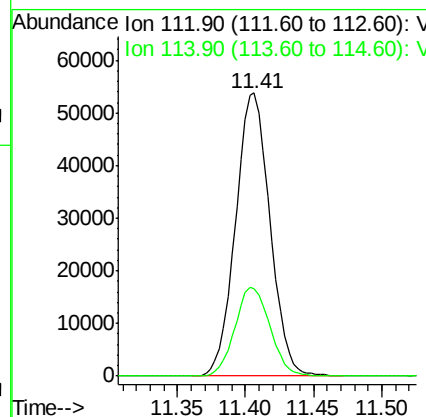
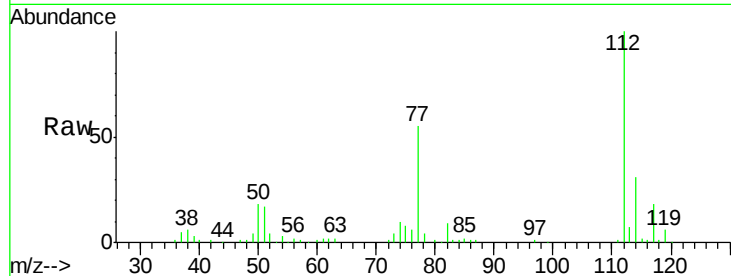
#65
Chlorobenzene
Concen: 19.217 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion:112 Resp: 94296
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.6

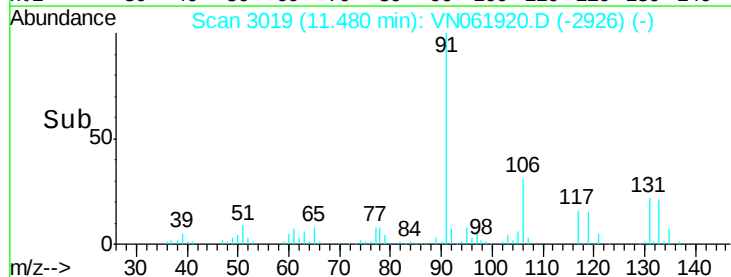
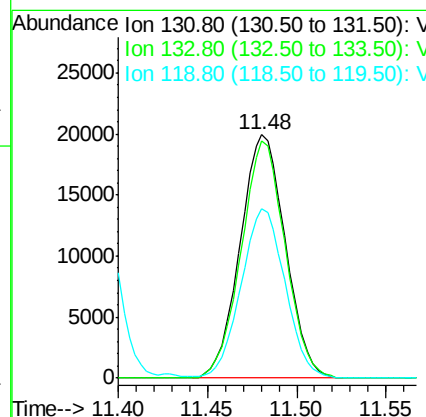
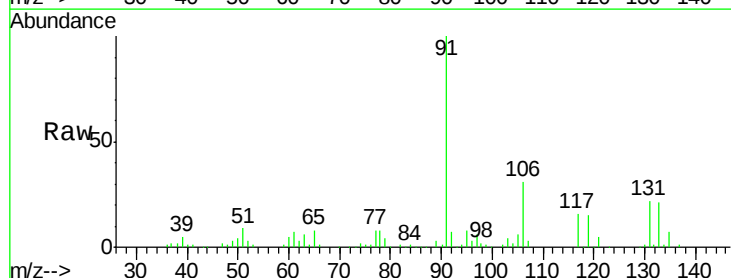
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.631 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion:131 Resp: 35306
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 67.8 34.0 101.8





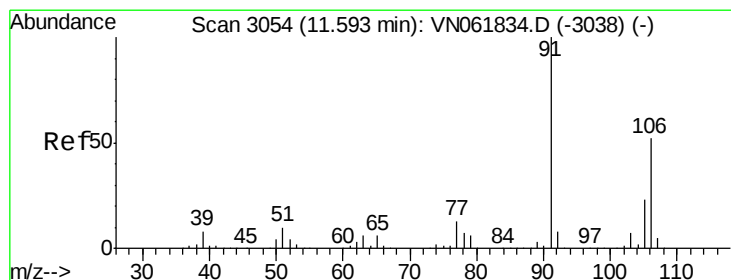
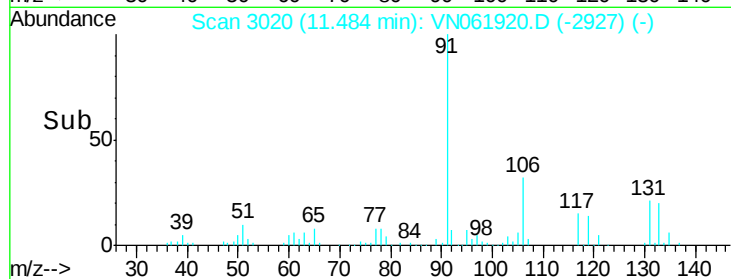
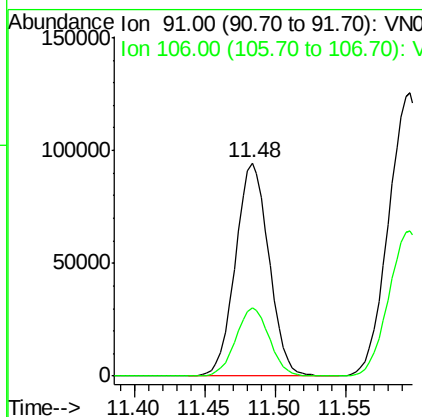
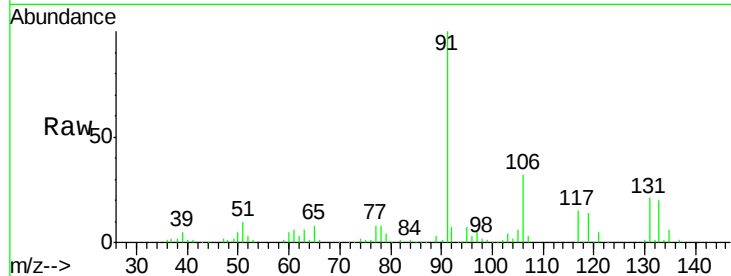
#67
Ethyl Benzene
Concen: 19.122 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 91 Resp: 157315
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

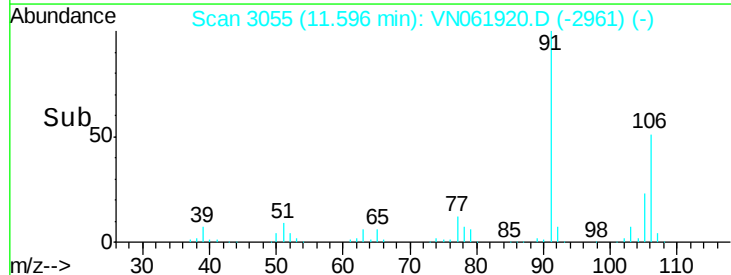
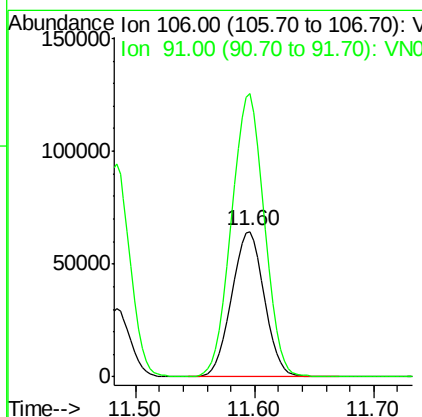
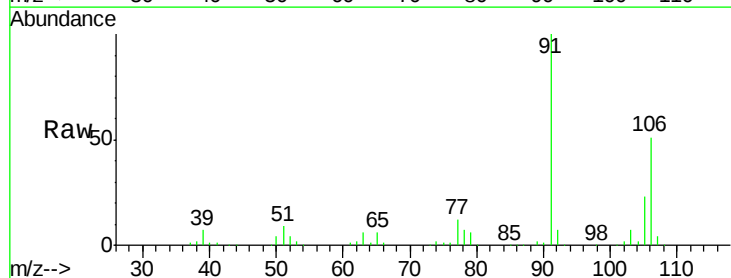
Manual Integrations
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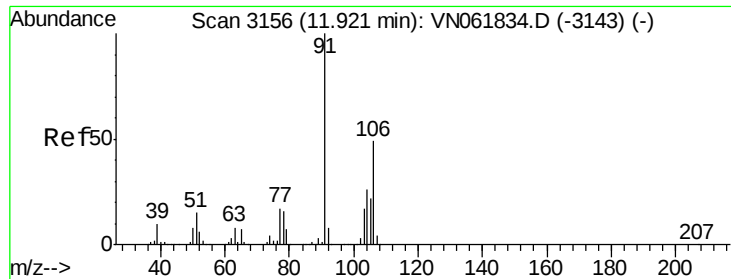
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#68
m/p-Xylenes
Concen: 38.647 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion: 106 Resp: 122601
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





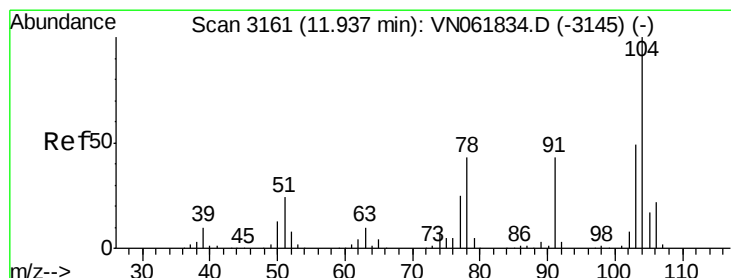
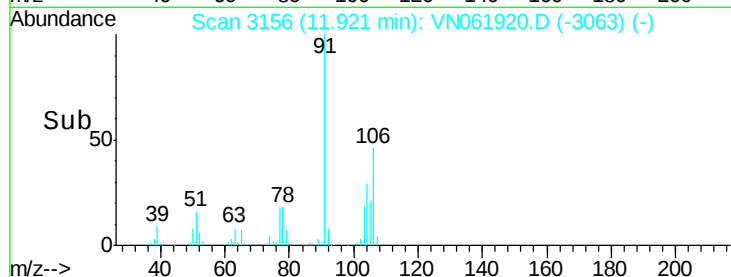
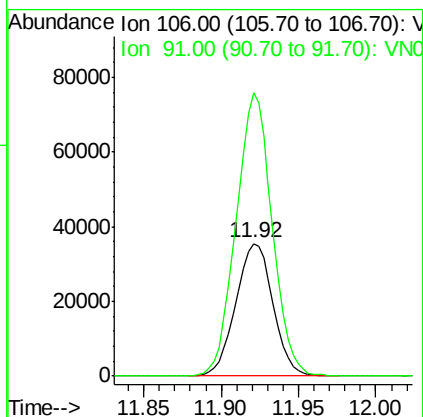
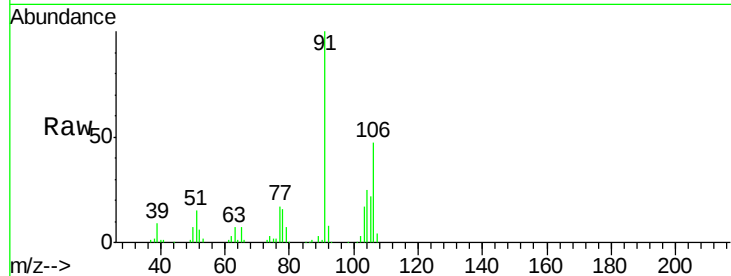
#69
o-Xylene
Concen: 19.610 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.6	103.0	308.9	

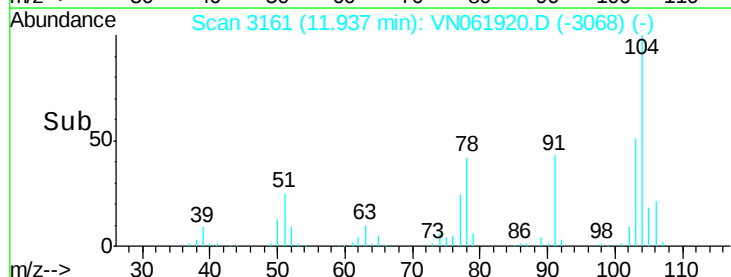
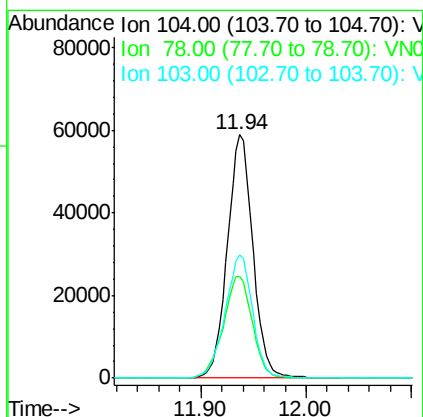
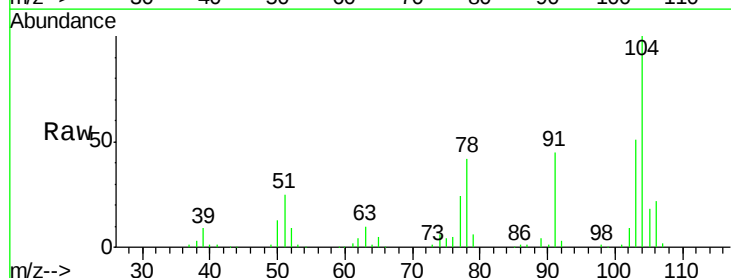
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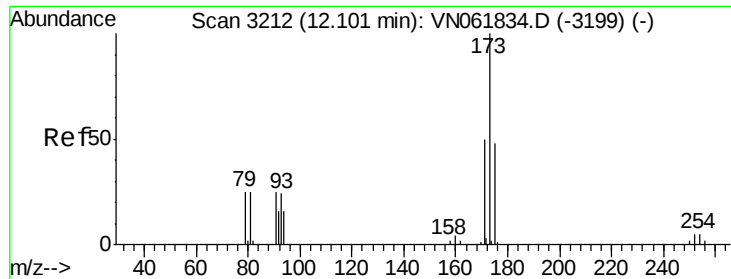
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#70
Styrene
Concen: 19.466 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	37.6	56.4	
103	54.4	43.0	64.4	





#71

Bromoform

Concen: 20.256 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

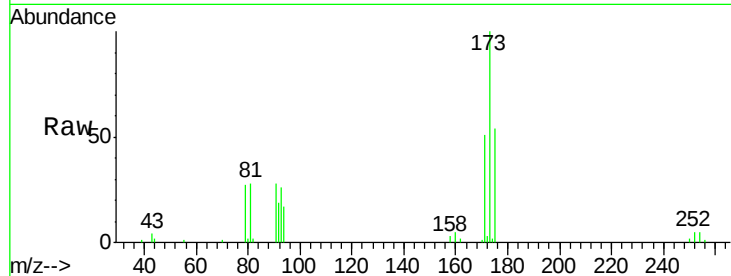
ClientSampleId :

VN0618WBSD02

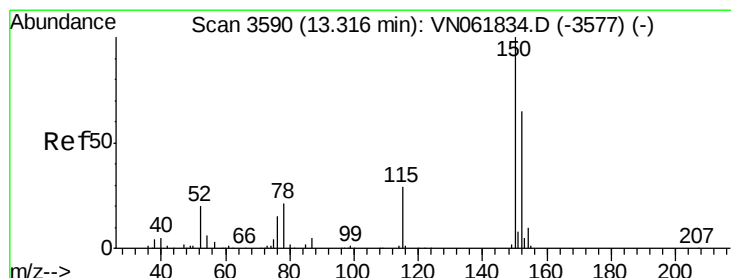
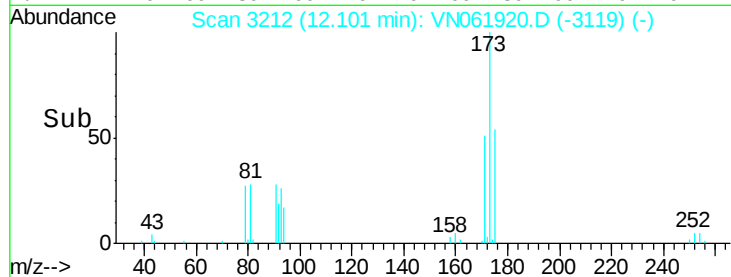
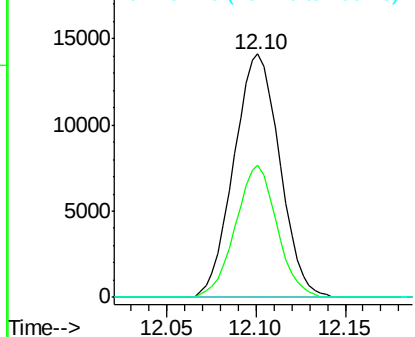
Tot Ion:	173	Resp:	25276
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.9	71.7
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

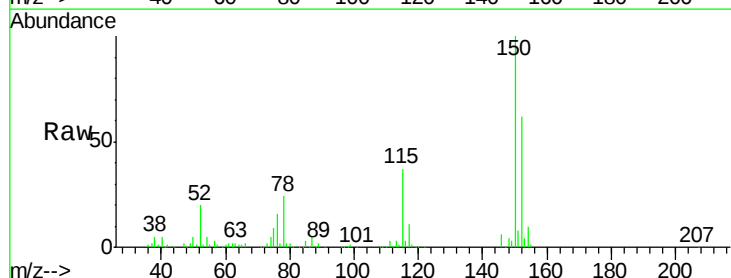
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

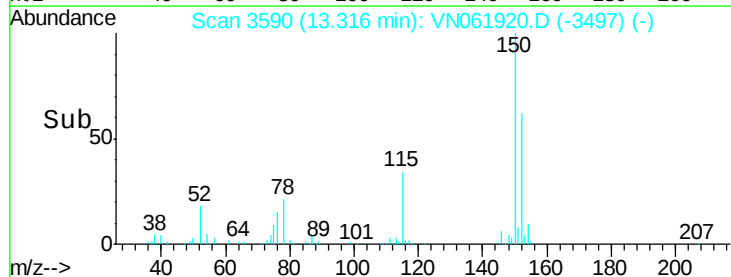
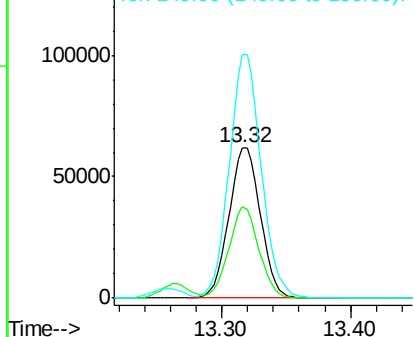
Lab File: VN061920.D

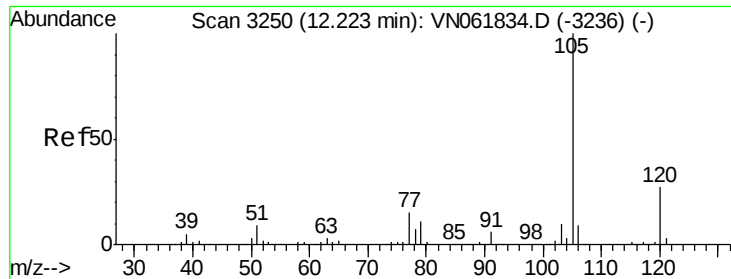
Acq: 19 Jun 2020 00:29

Tgt Ion:	152	Resp:	105077
Ion Ratio	Lower	Upper	
152	100		
115	57.9	29.1	87.3
150	163.2	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: 20.051 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 105 Resp: 149722

Ion Ratio Lower Upper

105 100

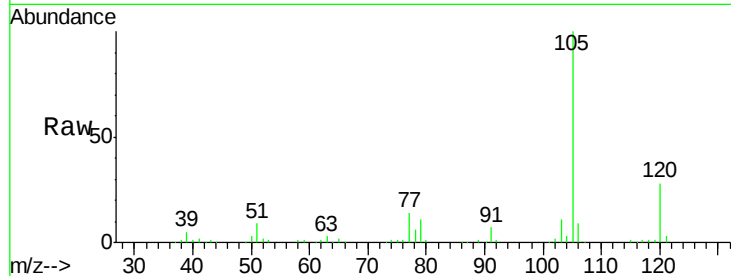
120 27.4 13.3 39.8

Manual Integrations

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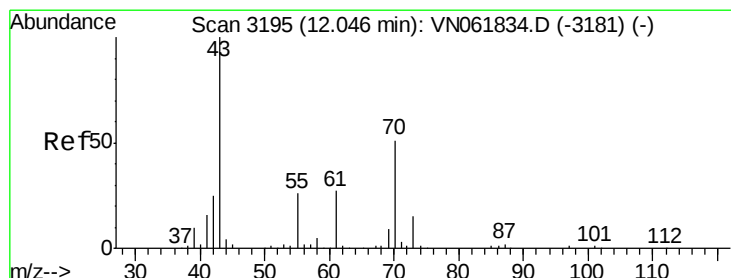
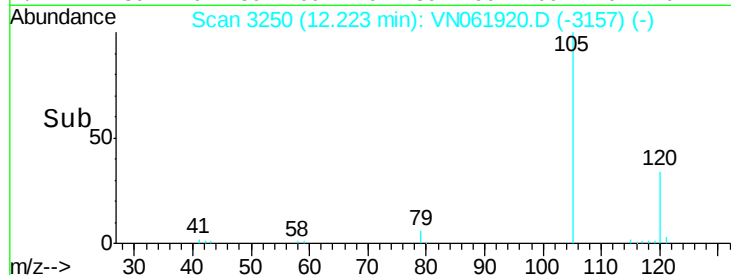
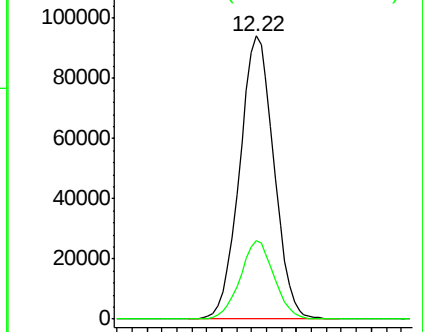
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.827 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion: 43 Resp: 48288

Ion Ratio Lower Upper

43 100

70 51.1 40.6 60.8

55 29.7 21.5 32.3

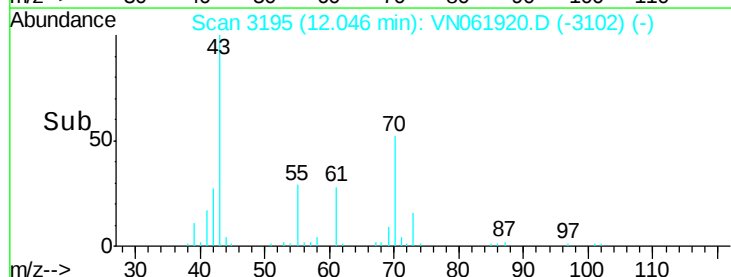
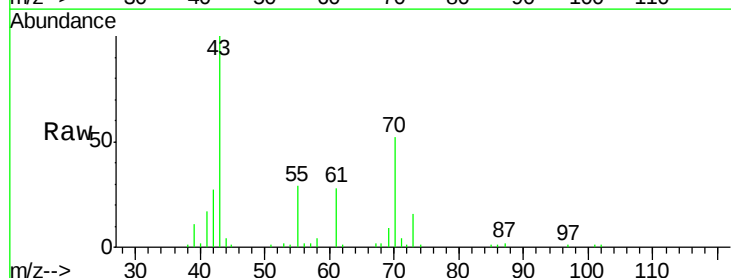
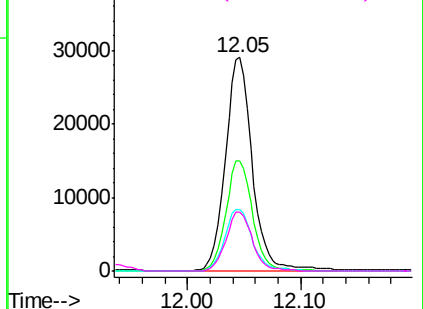
61 27.1 21.6 32.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.587 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

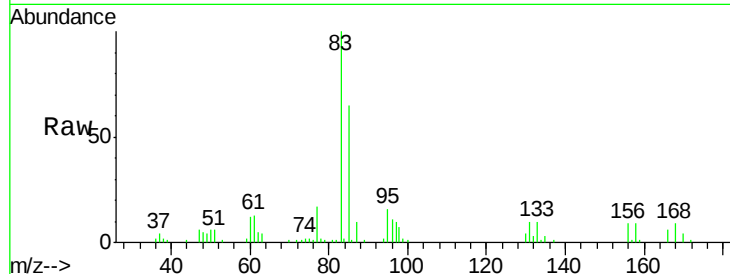
ClientSampleId :

VN0618WBSD02

Tot Ion:	83	Resp:	52406
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.5	32.4	97.2

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

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

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

Time-->

12.48

30000

20000

10000

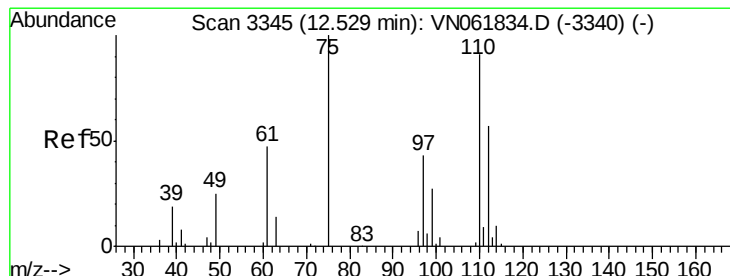
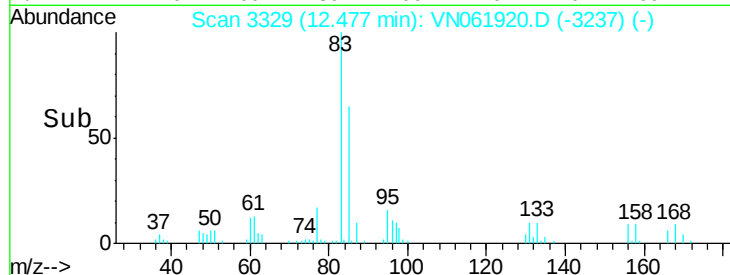
0

12.40

12.45

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.405 ug/l m

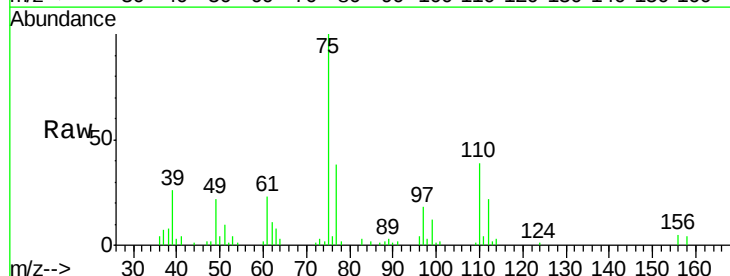
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	75	Resp:	46219
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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

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

Time-->

12.53

30000

20000

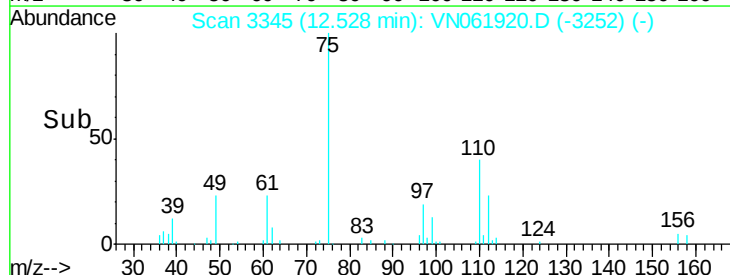
10000

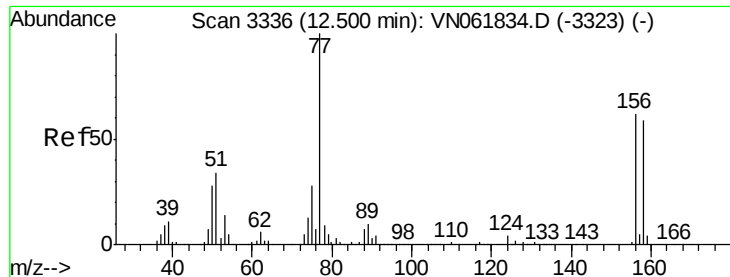
0

12.50

12.55

Time-->





#77

Bromobenzene

Concen: 21.121 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

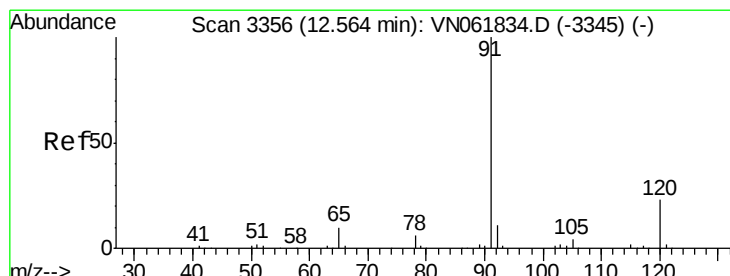
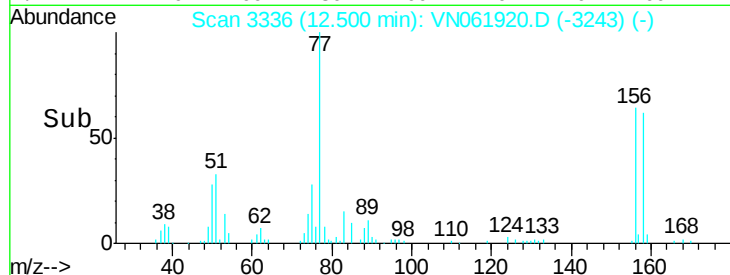
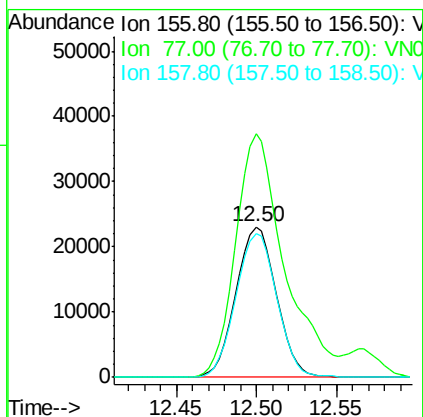
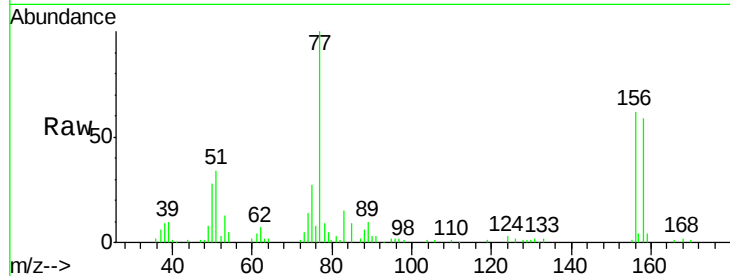
ClientSampleId :

VN0618WBSD02

Tot Ion	156	Resp	39788
Ion	Ratio	Lower	Upper
156	100		
77	196.2	100.7	302.1
158	96.7	48.5	145.5

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#78

n-propylbenzene

Concen: 19.539 ug/l

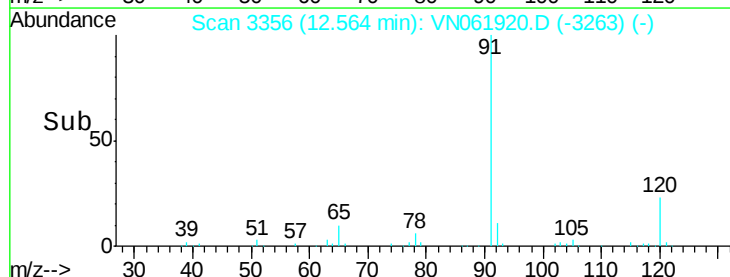
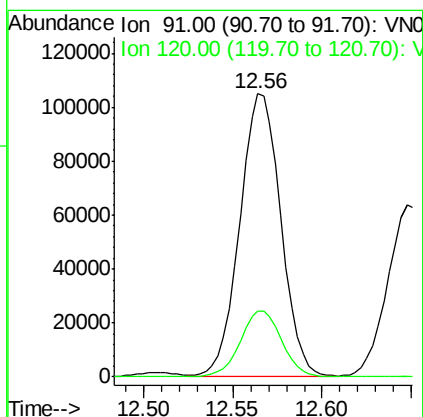
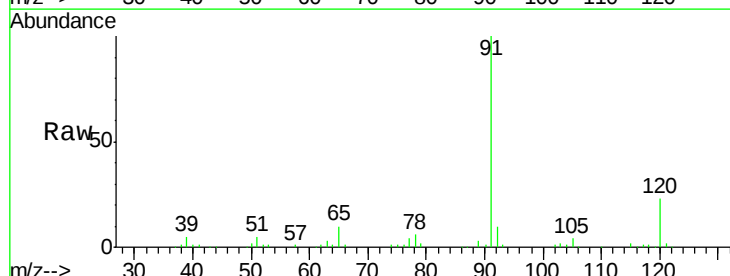
RT: 12.56 min Scan# 3356

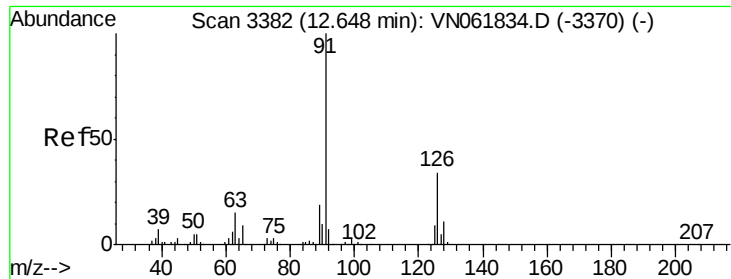
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion	91	Resp	166472
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 20.400 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 91 Resp: 104388

Ion Ratio Lower Upper

91 100

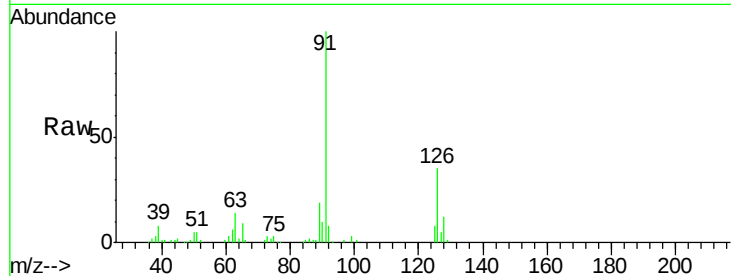
126 35.1 17.3 51.7

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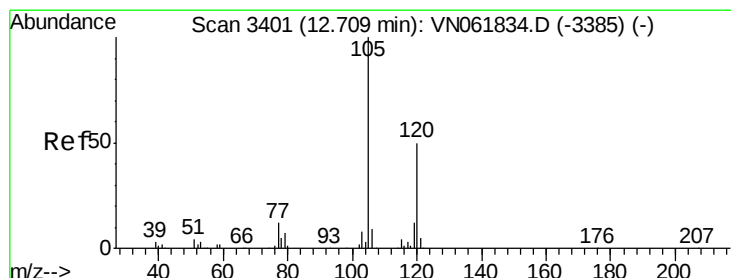
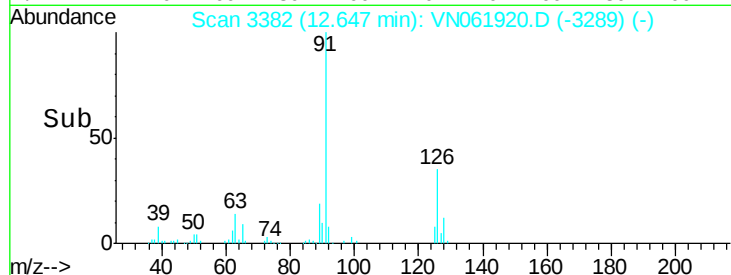
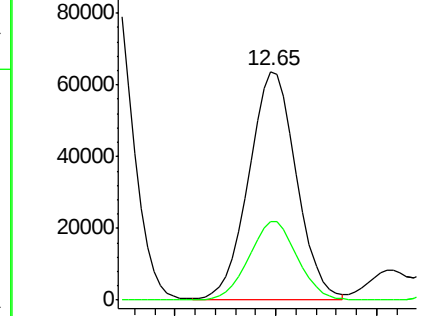
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061920.D

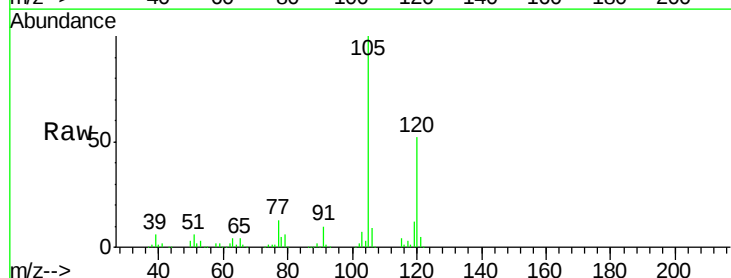
Acq: 19 Jun 2020 00:29

Tgt Ion: 105 Resp: 125293

Ion Ratio Lower Upper

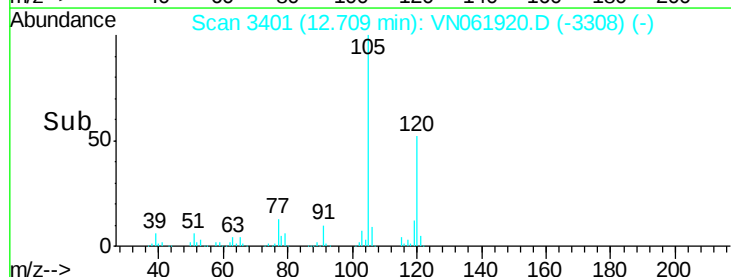
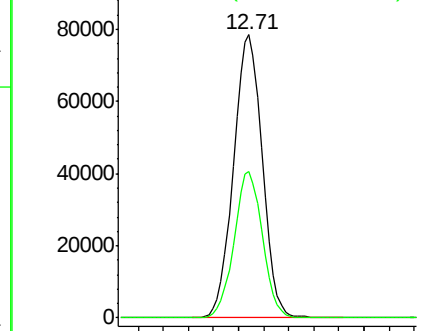
105 100

120 50.7 24.9 74.7



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.807 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

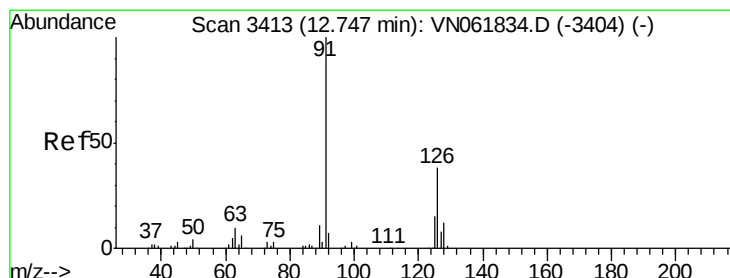
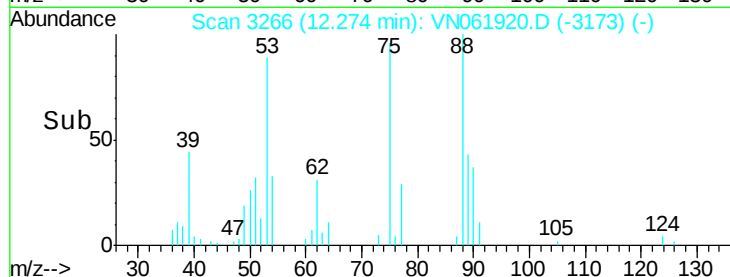
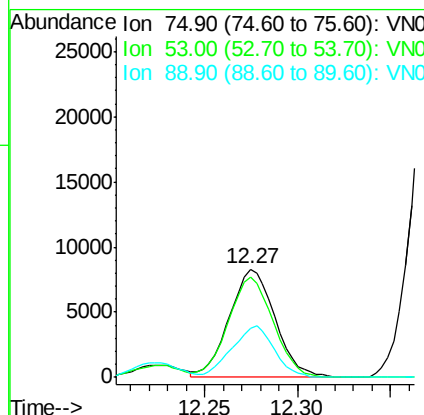
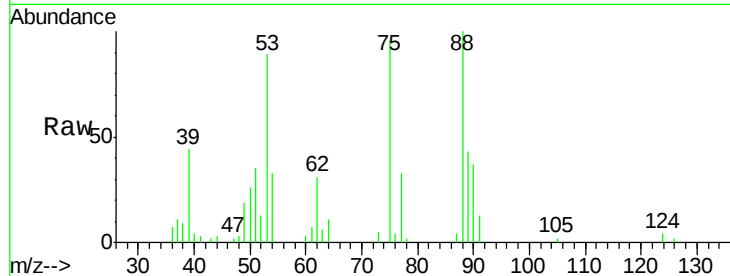
ClientSampleId :

VN0618WBSD02

Tot Ion:	75	Resp:	14225
Ion	Ratio	Lower	Upper
75	100		
53	91.0	70.4	105.6
89	43.9	36.0	54.0

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#82

4-Chlorotoluene

Concen: 20.165 ug/l

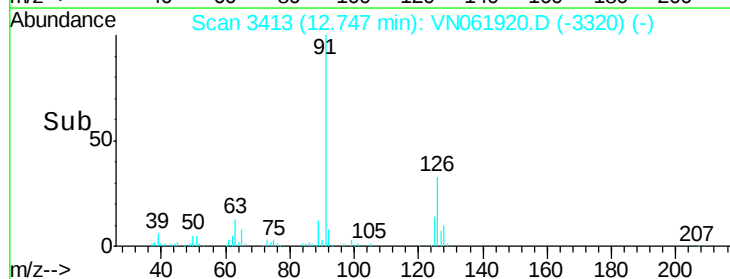
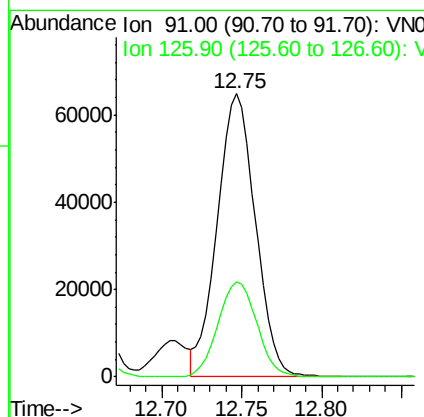
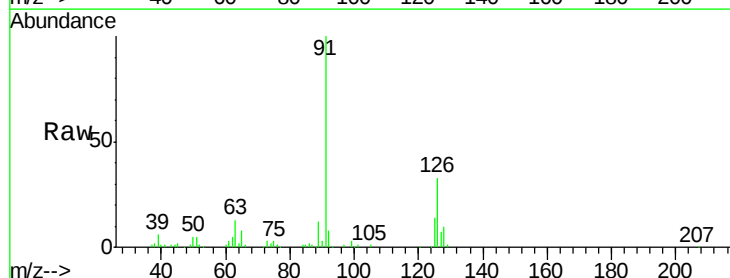
RT: 12.75 min Scan# 3413

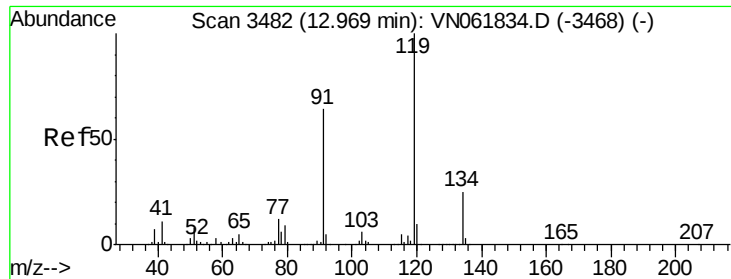
Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Tgt Ion:	91	Resp:	106623
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6





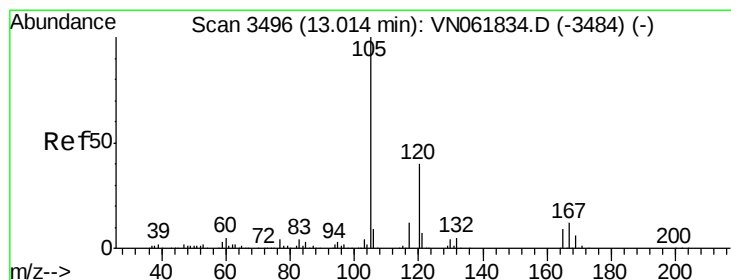
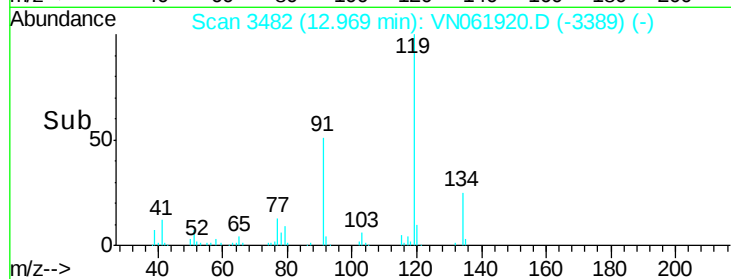
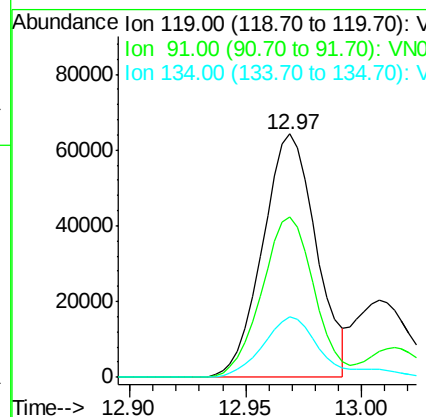
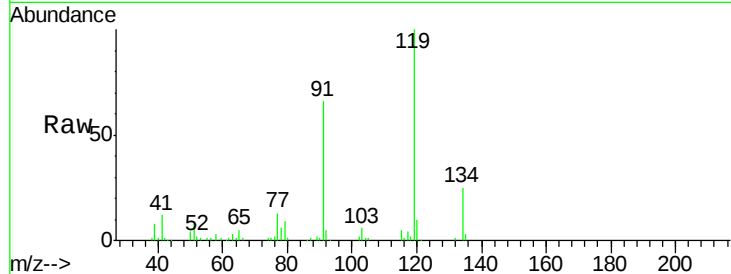
#83
 tert-Butylbenzene
 Concen: 19.654 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102929		
91	64.6		31.5	94.5
134	25.3		13.3	39.9

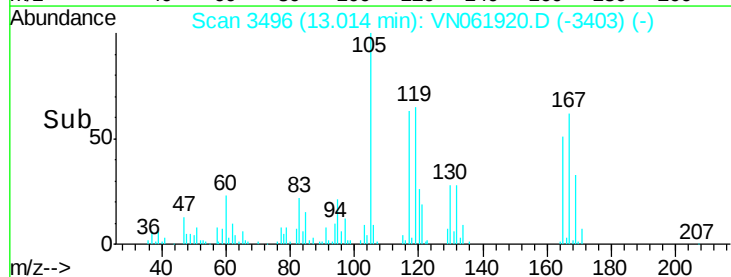
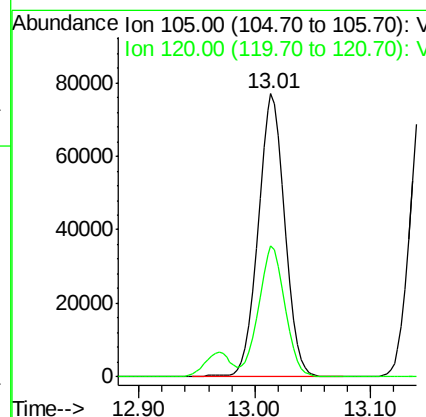
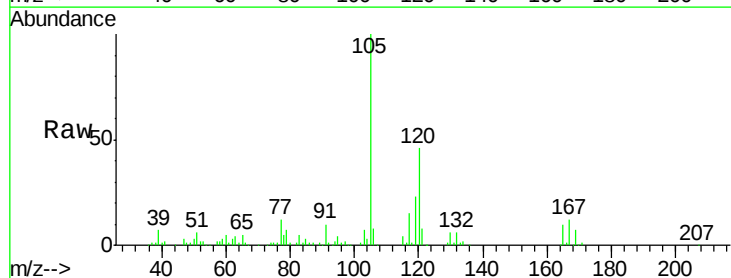
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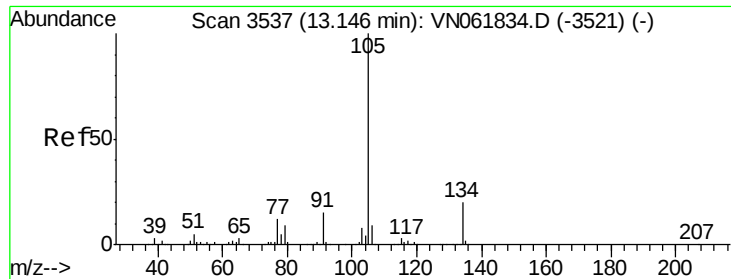
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.302 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123802		
120	46.1		23.3	69.9





#85

sec-Butylbenzene

Concen: 19.972 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:105 Resp: 136907

Ion Ratio Lower Upper

105 100

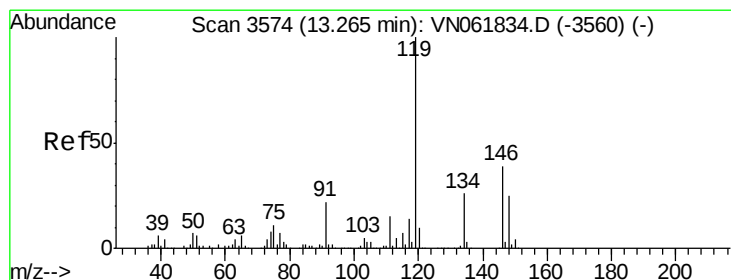
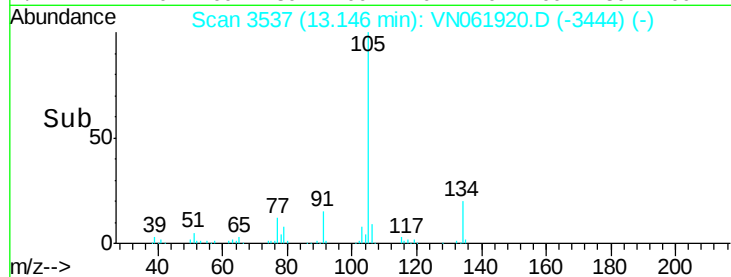
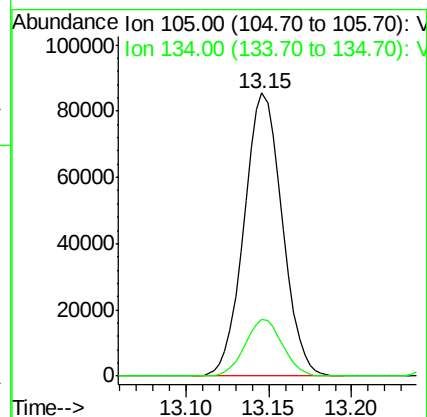
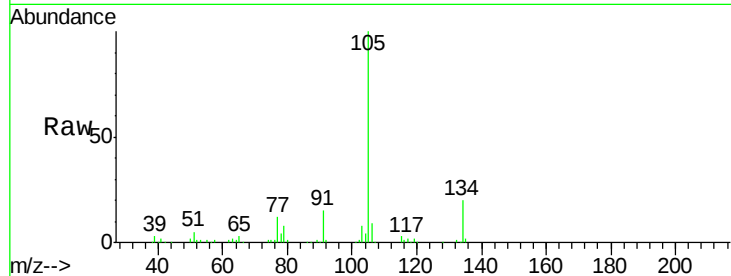
134 19.7 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.553 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061920.D

Acq: 19 Jun 2020 00:29

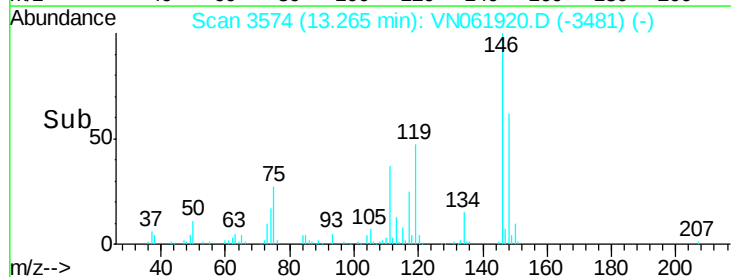
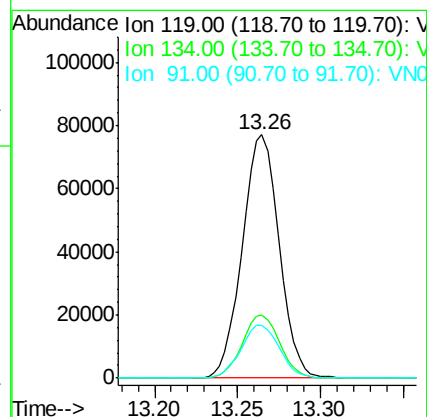
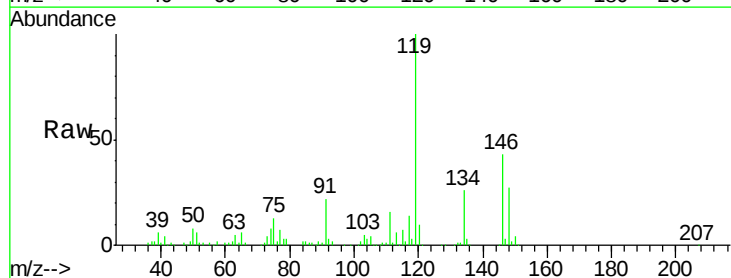
Tgt Ion:119 Resp: 119434

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.9 11.2 33.6





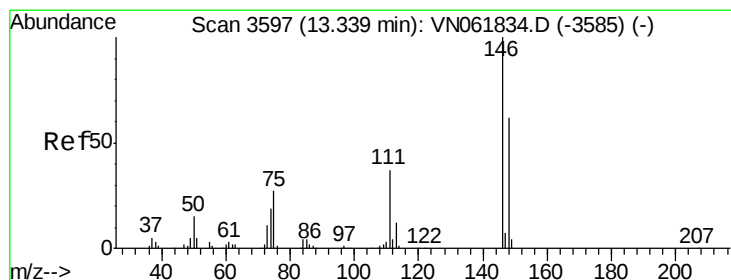
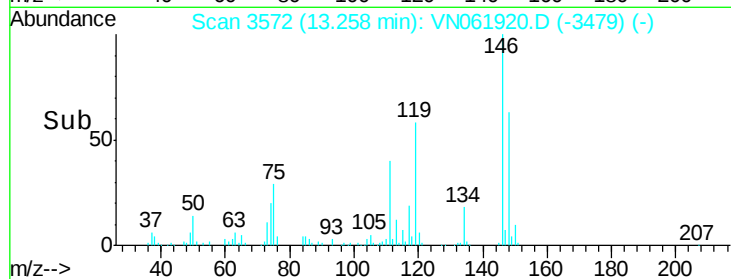
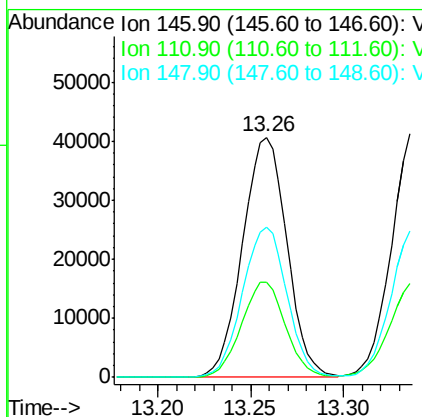
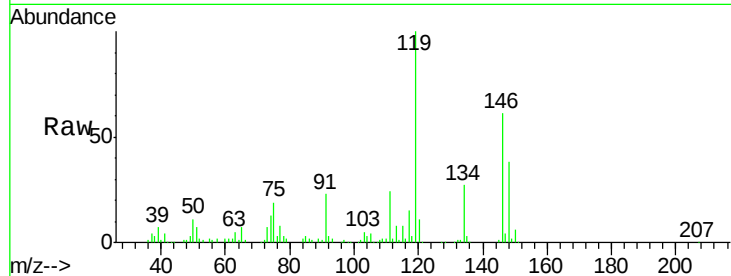
#87
 1,3-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	62.8	31.8	95.4

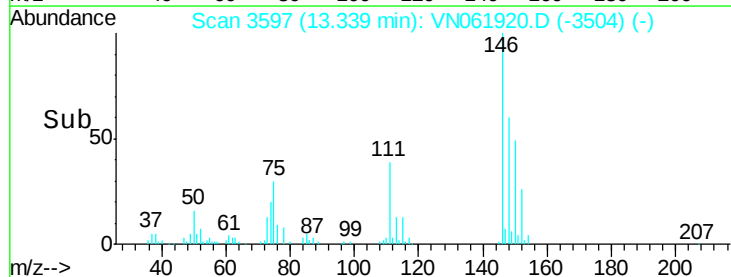
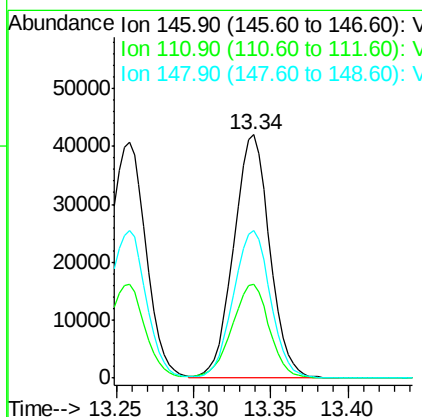
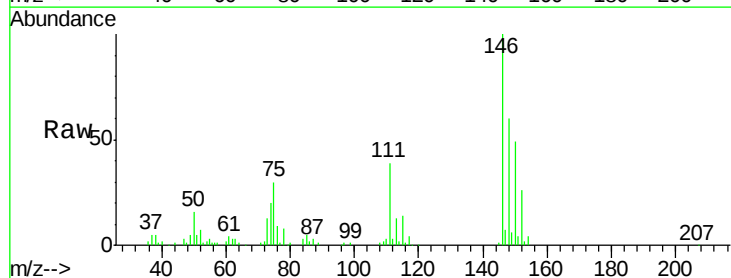
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#88
 1,4-Dichlorobenzene
 Concen: 19.354 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.3	57.8
148	62.6	31.6	94.7





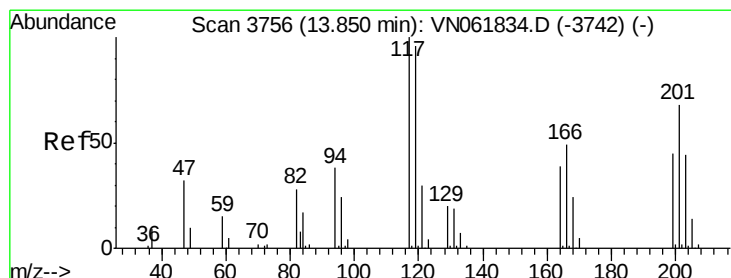
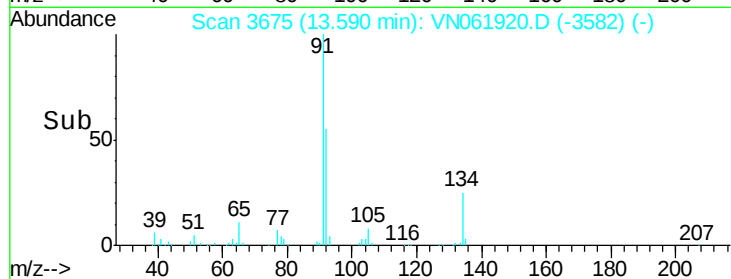
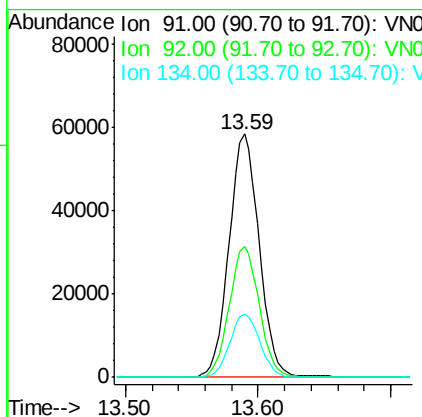
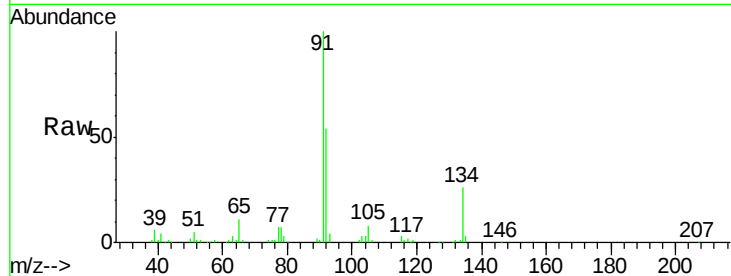
#89
n-Butylbenzene
Concen: 18.063 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	25.8	13.0	39.0

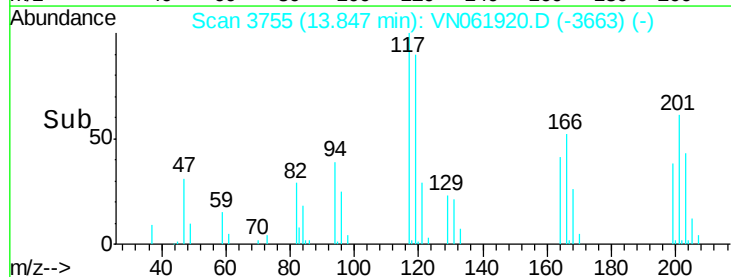
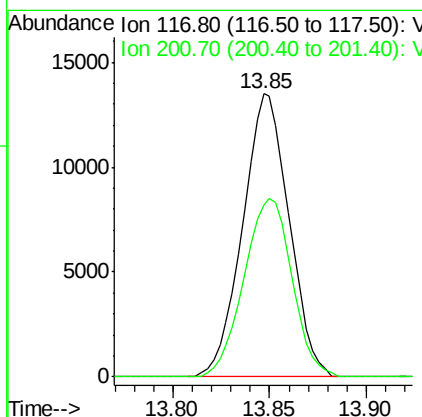
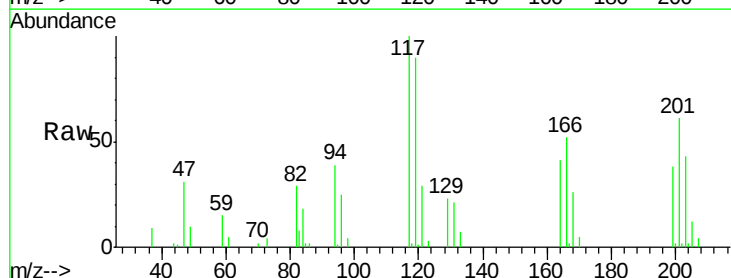
Manual Integrations
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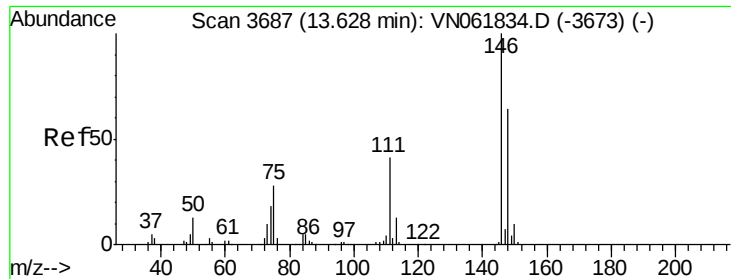
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#90
Hexachloroethane
Concen: 20.136 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	34.6	103.8





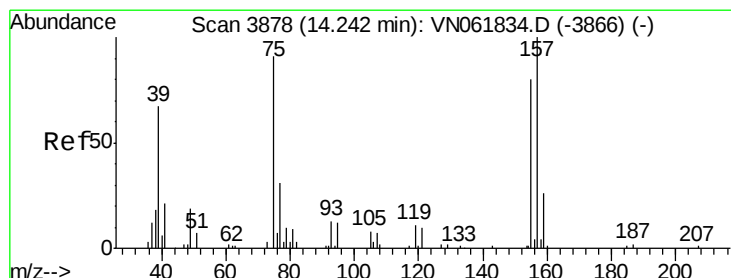
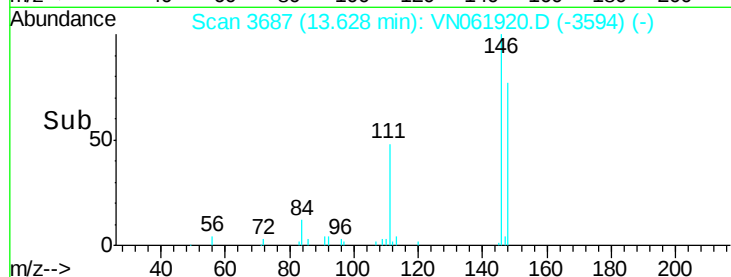
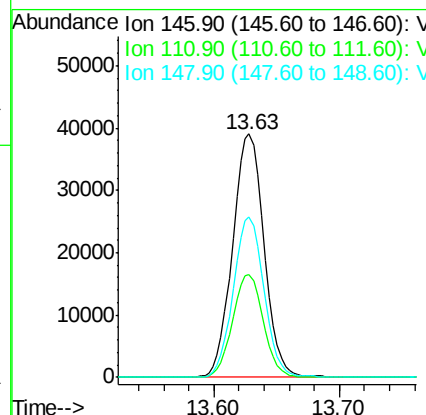
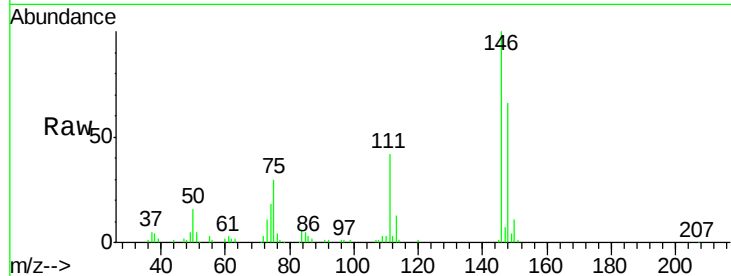
#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	64.2	31.8	95.4

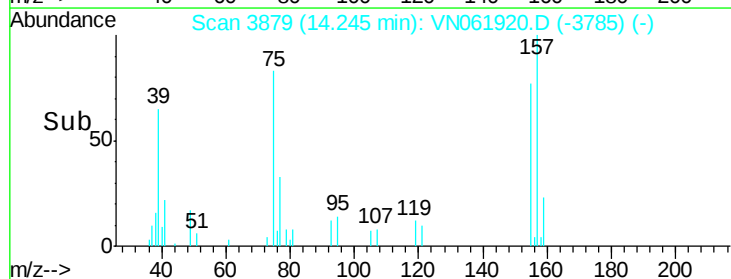
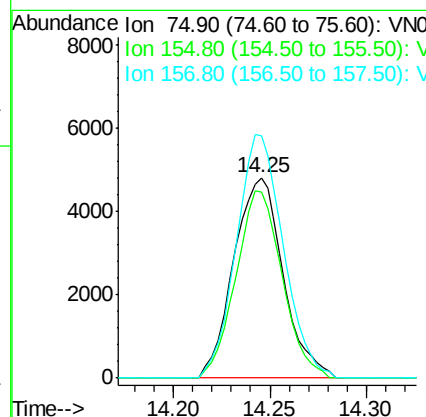
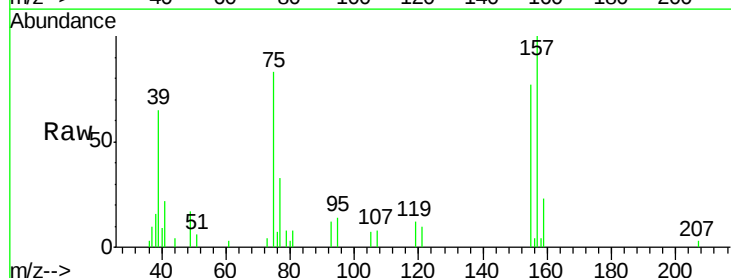
Manual Integrations
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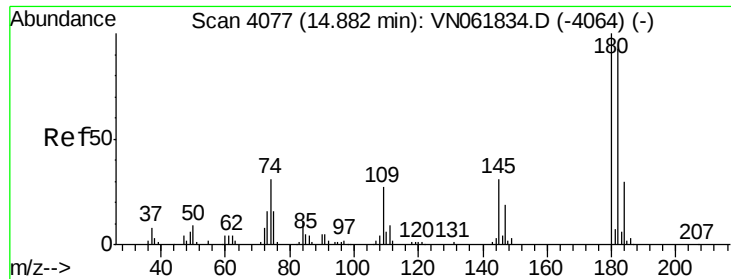
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 6/19/2020 1:02:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.577 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.4	133.2
157	115.9	57.0	171.2





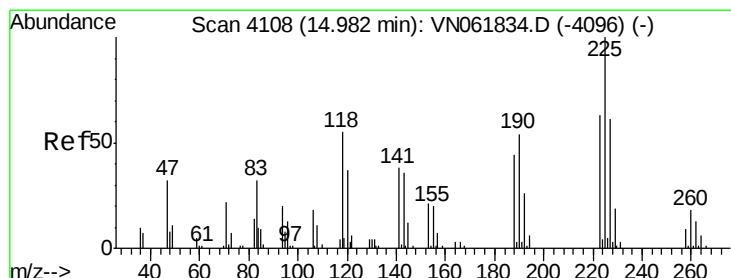
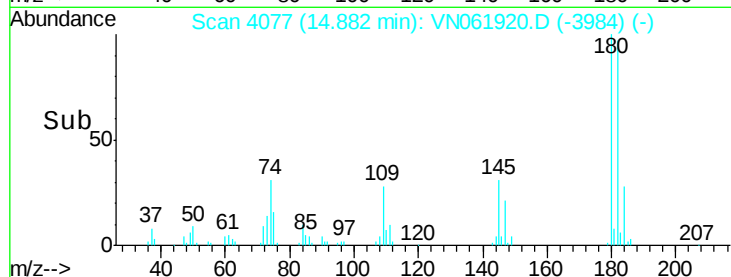
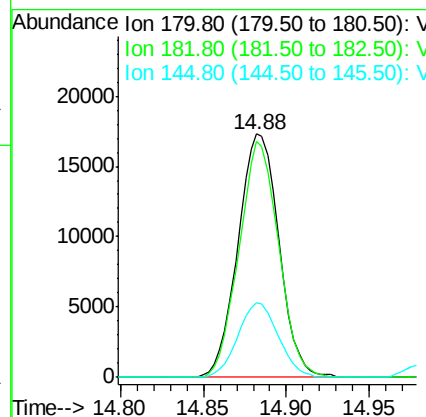
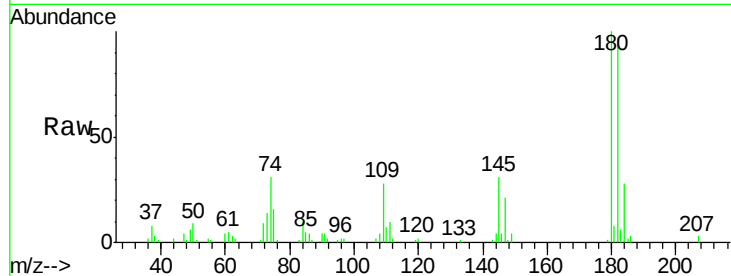
#93
 1,2,4-Trichlorobenzene
 Concen: 19.008 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.2
145	30.4	15.8	47.3

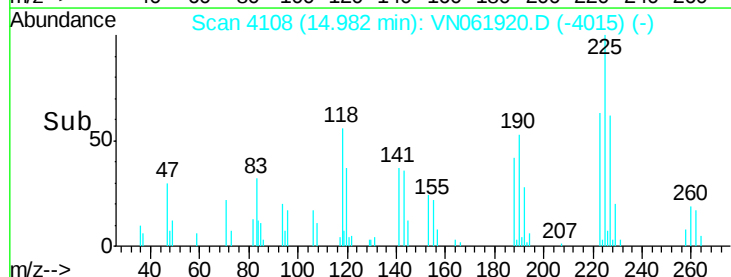
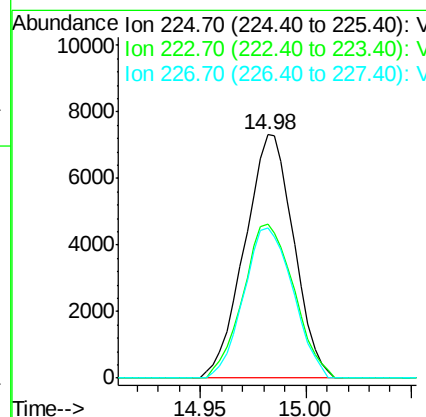
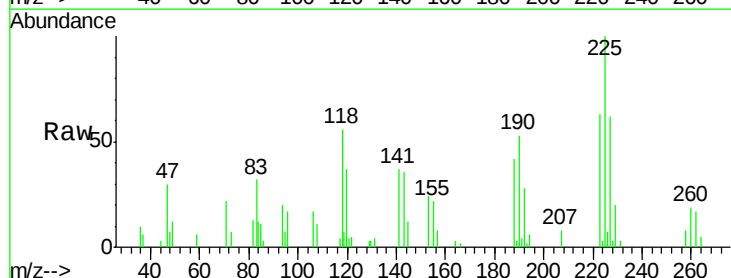
Manual Integrations
 APPROVED

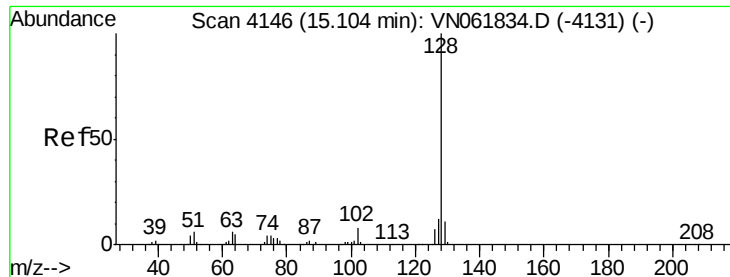
MMDadoda
 6/19/2020 1:02:36 PM



#94
 Hexachlorobutadiene
 Concen: 19.200 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061920.D
 Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.7	95.1
227	62.0	30.1	90.3





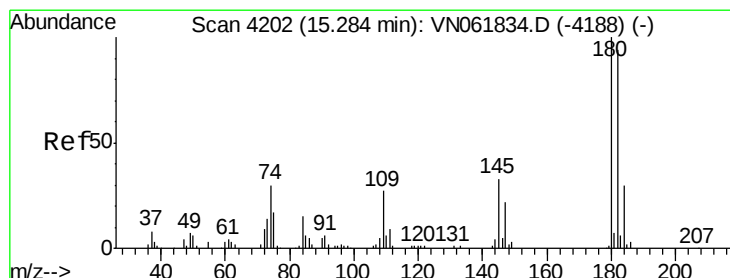
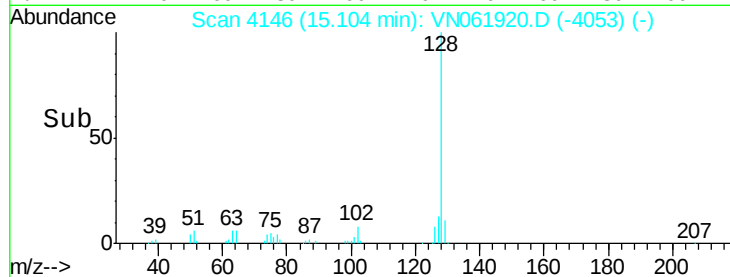
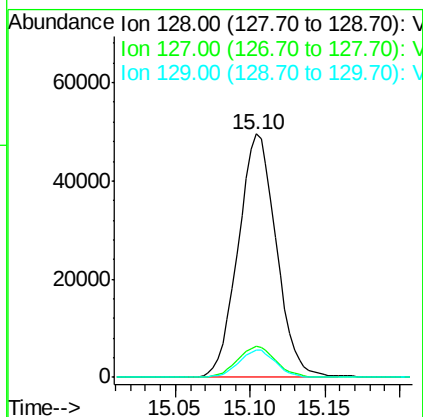
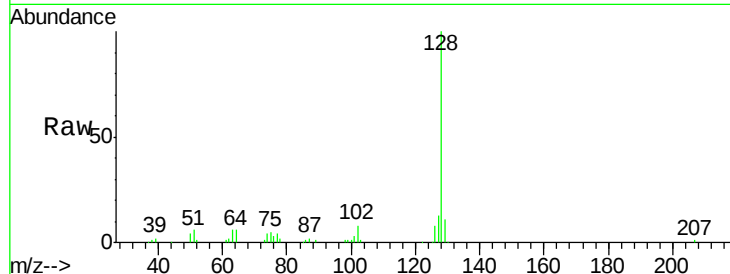
#95
Naphthalene
Concen: 19.111 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2020 1:02:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.933 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061920.D
Acq: 19 Jun 2020 00:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.1	16.5	49.5

