

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061919.D
 Acq On : 19 Jun 2020 00:05
 Operator : JC/MD
 Sample : VN0618WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Manual Integrations
 APPROVED

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 6/19/2020 1:02:32 PM

Quant Time: Jun 19 07:07:14 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	148783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97212	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.55	113	82772	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.06	98	315794	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.38	95	103605	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37566	19.583	ug/l	99
3) Chloromethane	2.03	50	41037	19.871	ug/l	99
4) Vinyl Chloride	2.16	62	50866	20.661	ug/l	100
5) Bromomethane	2.53	94	36224	19.160	ug/l	96
6) Chloroethane	2.67	64	33952	20.377	ug/l	98
7) Trichlorofluoromethane	2.98	101	60711	20.645	ug/l	95
8) Diethyl Ether	3.37	74	20393	20.627	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	30616	20.293	ug/l	97
10) Methyl Iodide	3.91	142	34522	22.261	ug/l	100
11) Tert butyl alcohol	4.74	59	24777	89.732	ug/l	99
12) 1,1-Dichloroethene	3.70	96	30350	20.077	ug/l	99
13) Acrolein	3.57	56	12230	74.107	ug/l	96
14) Allyl chloride	4.28	41	38664	19.271	ug/l	99
15) Acrylonitrile	4.93	53	69877	102.131	ug/l	99
16) Acetone	3.78	43	56052	95.099	ug/l	98
17) Carbon Disulfide	4.01	76	84652	19.138	ug/l	98
18) Methyl Acetate	4.28	43	34172	20.138	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	99416	19.752	ug/l	100
20) Methylene Chloride	4.50	84	37589	19.575	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	34262	19.732	ug/l	99
22) Diisopropyl ether	5.90	45	90658	19.757	ug/l	99
23) Vinyl Acetate	5.84	43	347132	96.185	ug/l	100
24) 1,1-Dichloroethane	5.80	63	59761	19.895	ug/l	100
25) 2-Butanone	6.79	43	85475	99.396	ug/l	100
26) 2,2-Dichloropropane	6.78	77	40038	15.843	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	39235	19.583	ug/l	97
28) Bromochloromethane	7.15	49	27037	20.215	ug/l	97
29) Tetrahydrofuran	7.17	42	56226	99.351	ug/l	99
30) Chloroform	7.33	83	62299	19.406	ug/l	98
31) Cyclohexane	7.61	56	48974	18.624	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	54479	19.927	ug/l	100
36) 1,1-Dichloropropene	7.75	75	45323	18.852	ug/l	100
37) Ethyl Acetate	6.88	43	35853	19.097	ug/l	97
38) Carbon Tetrachloride	7.73	117	45521	19.120	ug/l	96

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Manual Integrations
 APPROVED

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 6/19/2020 1:02:32 PM

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 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)
39) Methylcyclohexane	9.05	83	47594	18.385	ug/l	100
40) Benzene	8.00	78	140226	19.255	ug/l	99
41) Methacrylonitrile	7.13	41	16655m	20.746	ug/l	
42) 1,2-Dichloroethane	8.08	62	48399	19.491	ug/l	99
43) Isopropyl Acetate	8.12	43	60429	19.100	ug/l #	90
44) Trichloroethene	8.80	130	37139	19.378	ug/l	99
45) 1,2-Dichloropropane	9.08	63	34866	19.481	ug/l	97
46) Dibromomethane	9.17	93	24411	19.369	ug/l	99
47) Bromodichloromethane	9.37	83	49830	19.309	ug/l	98
48) Methyl methacrylate	9.17	41	27493	19.108	ug/l	98
49) 1,4-Dioxane	9.17	88	12518	378.954	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	179701	96.117	ug/l	100
52) Toluene	10.12	92	90382	19.761	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	49734	18.154	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	56469	18.977	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	36493	20.279	ug/l	98
56) Ethyl methacrylate	10.40	69	44578	18.179	ug/l	98
57) 1,3-Dichloropropane	10.68	76	60186	19.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	77964	82.091	ug/l	99
59) 2-Hexanone	10.72	43	128312	94.704	ug/l	99
60) Dibromochloromethane	10.88	129	39378	19.611	ug/l	98
61) 1,2-Dibromoethane	10.98	107	36588	19.471	ug/l	99
64) Tetrachloroethene	10.60	164	30756	19.648	ug/l	98
65) Chlorobenzene	11.41	112	98133	18.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35142	19.443	ug/l	98
67) Ethyl Benzene	11.48	91	165316	19.026	ug/l	99
68) m/p-Xylenes	11.60	106	127968	38.194	ug/l	98
69) o-Xylene	11.92	106	61133	19.123	ug/l	100
70) Styrene	11.94	104	100178	18.715	ug/l	100
71) Bromoform	12.10	173	25208	19.128	ug/l #	99
73) Isopropylbenzene	12.22	105	159416	20.130	ug/l	99
74) N-amyl acetate	12.05	43	48361	18.893	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	52300	20.313	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	41789m	19.100	ug/l	
77) Bromobenzene	12.50	156	39626	19.833	ug/l	99
78) n-propylbenzene	12.57	91	179207	19.832	ug/l	100
79) 2-Chlorotoluene	12.65	91	108058	19.911	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	131282	20.037	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	14168	17.662	ug/l	97
82) 4-Chlorotoluene	12.75	91	112022	19.976	ug/l	100
83) tert-Butylbenzene	12.97	119	112267	20.212	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	131526	20.336	ug/l	99
85) sec-Butylbenzene	13.15	105	141312	19.437	ug/l	99
86) p-Isopropyltoluene	13.26	119	128301	19.805	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	69619	19.105	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	70630	18.936	ug/l	99
89) n-Butylbenzene	13.59	91	95766	17.701	ug/l	99
90) Hexachloroethane	13.85	117	23526	19.839	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	71050	20.253	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8412	20.125	ug/l	96

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ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

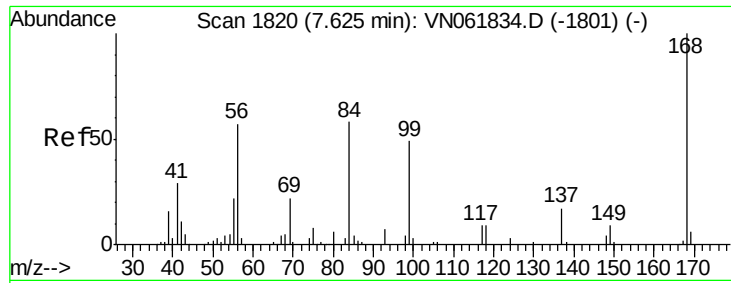
Manual Integrations
APPROVED

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6/19/2020 1:02:32 PM

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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)
93) 1,2,4-Trichlorobenzene	14.89	180	29276	17.685	ug/l	99
94) Hexachlorobutadiene	14.98	225	12120	18.590	ug/l	95
95) Naphthalene	15.10	128	85706	17.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31262	19.069	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:168 Resp: 148783

Ion Ratio Lower Upper

168 100

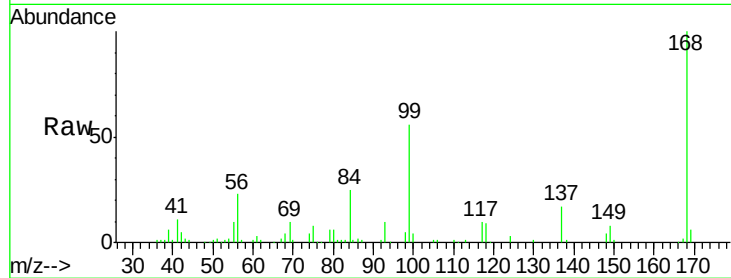
99 55.7 44.6 67.0

Manual Integrations

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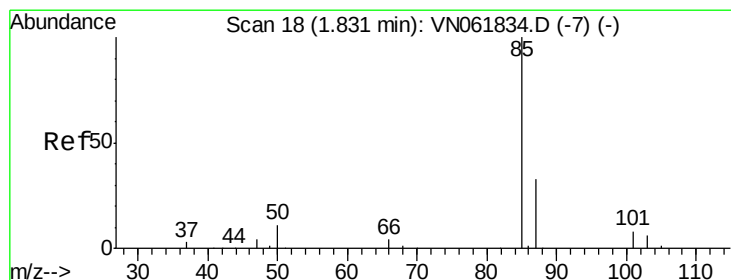
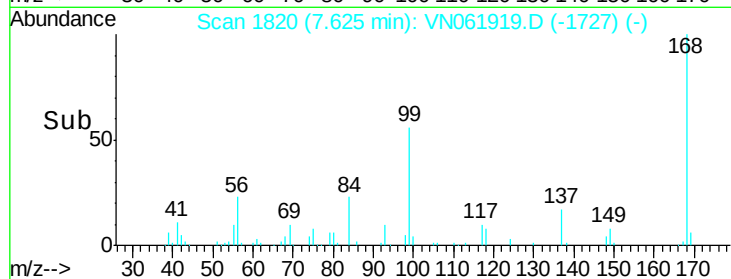
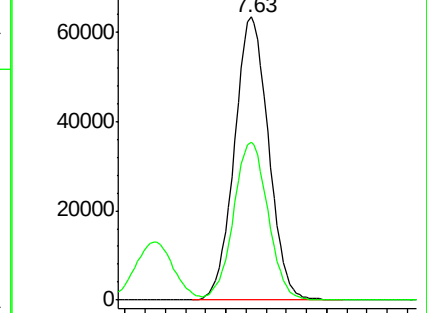
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.583 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061919.D

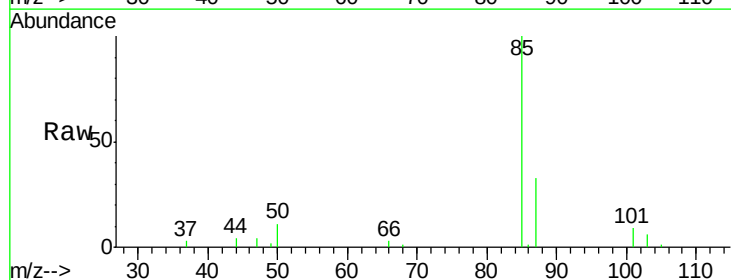
Acq: 19 Jun 2020 00:05

Tgt Ion: 85 Resp: 37566

Ion Ratio Lower Upper

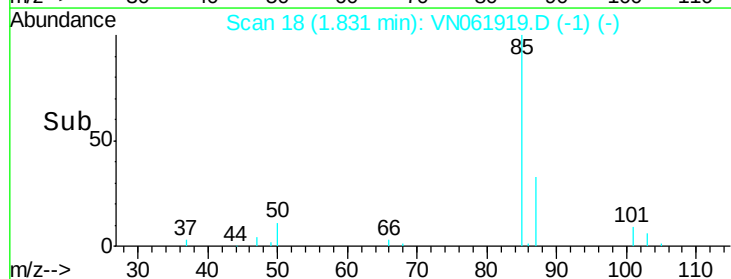
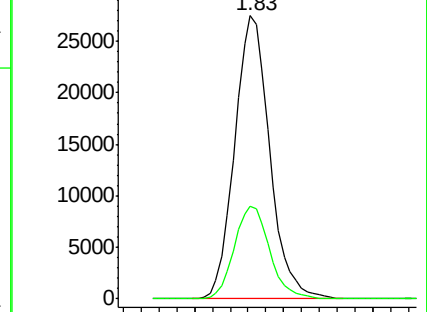
85 100

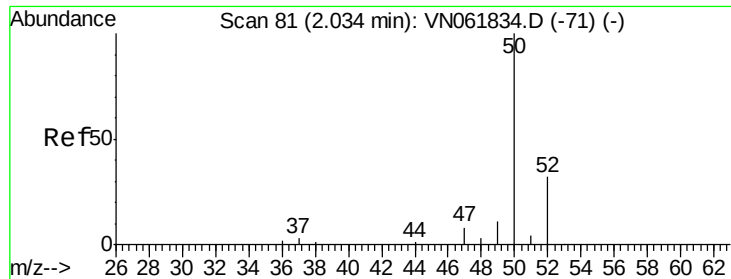
87 32.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.871 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 50 Resp: 41037

Ion Ratio Lower Upper

50 100

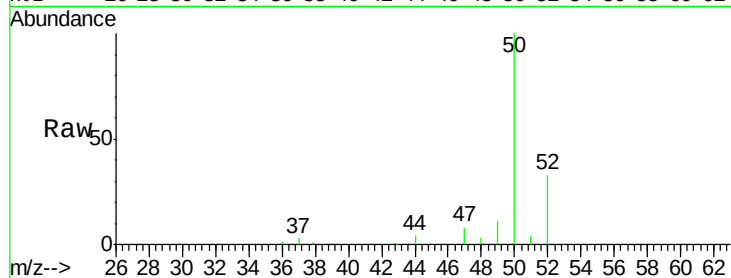
52 33.2 26.0 39.0

Manual Integrations

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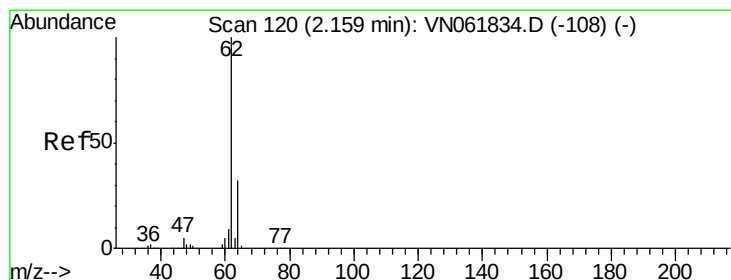
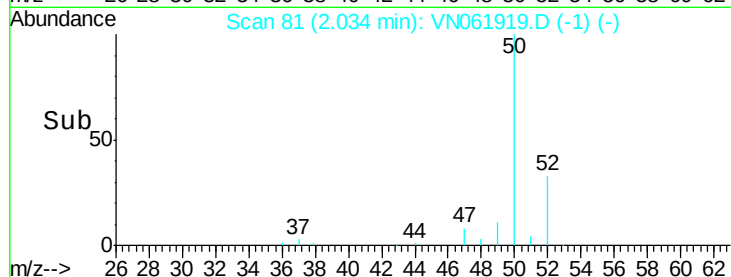
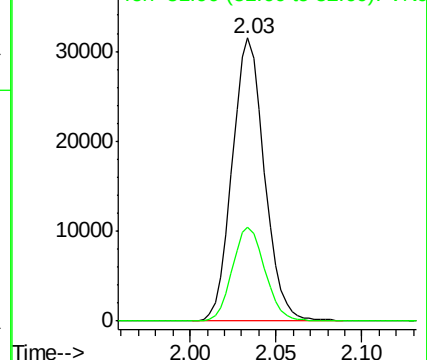
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.661 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061919.D

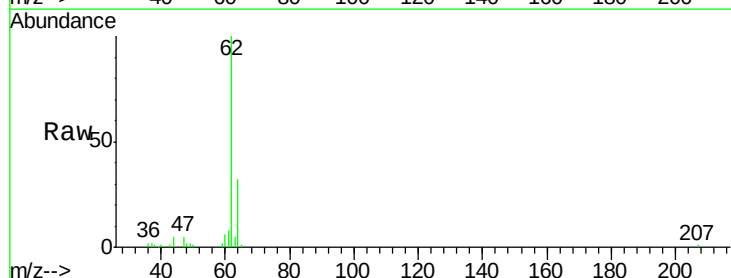
Acq: 19 Jun 2020 00:05

Tgt Ion: 62 Resp: 50866

Ion Ratio Lower Upper

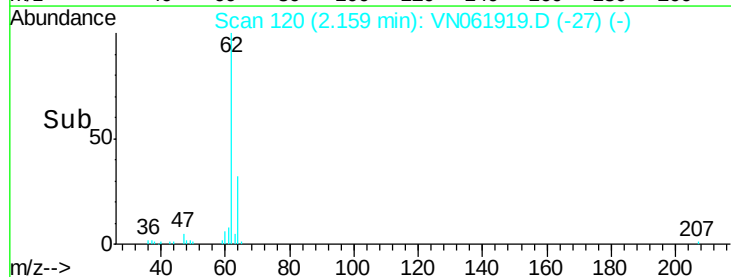
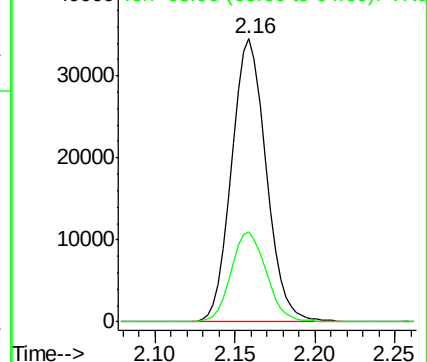
62 100

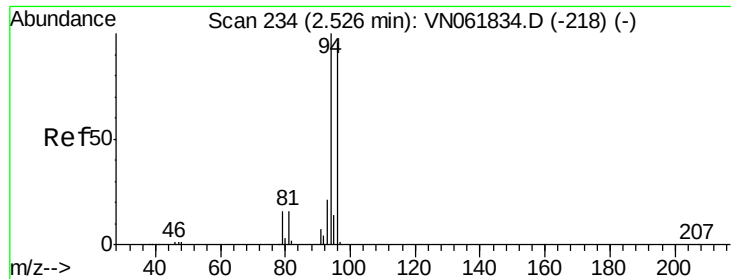
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.160 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 94 Resp: 36224

Ion Ratio Lower Upper

94 100

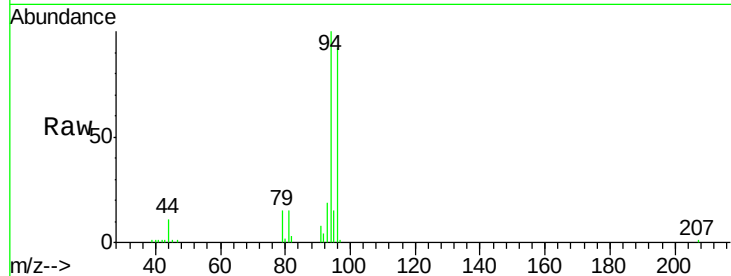
96 91.8 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

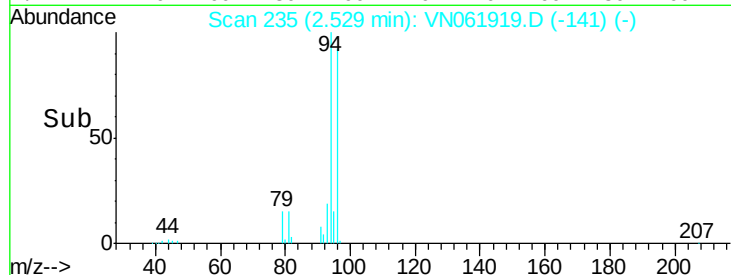
15000

10000

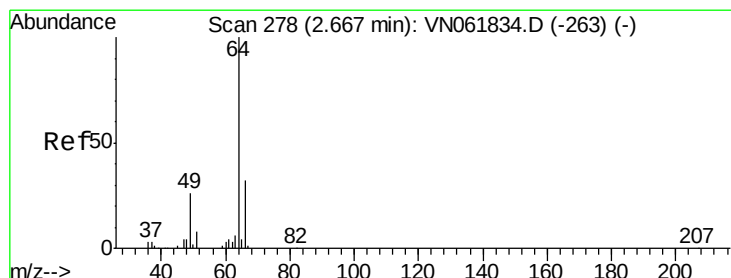
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 20.377 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061919.D

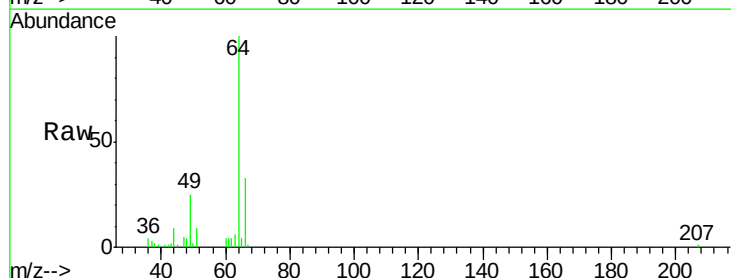
Acq: 19 Jun 2020 00:05

Tgt Ion: 64 Resp: 33952

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

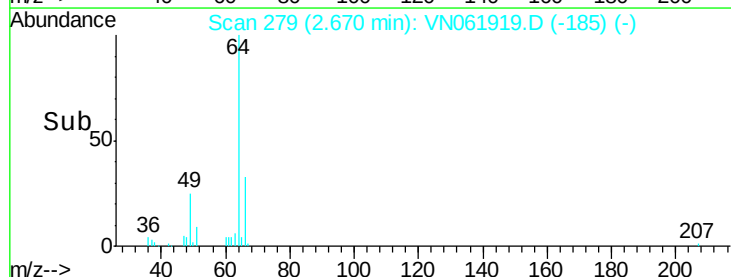
15000

10000

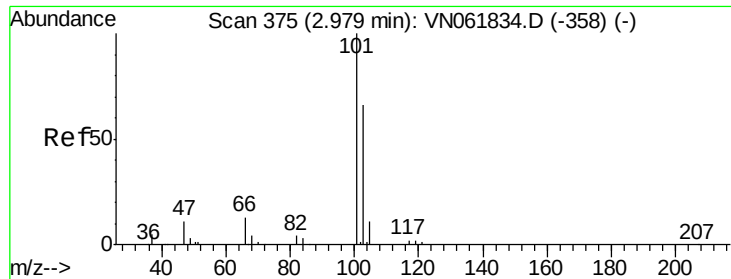
5000

0

Time-->



Time-->



#7

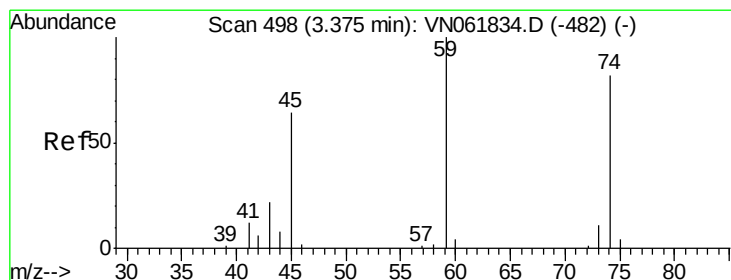
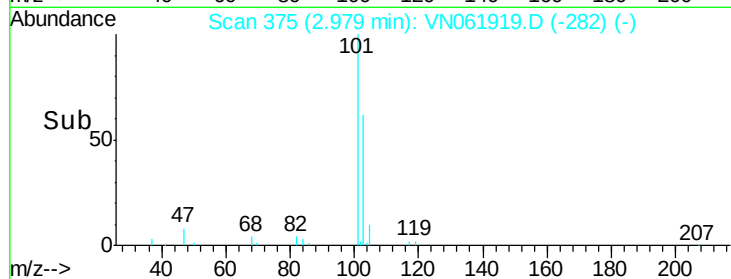
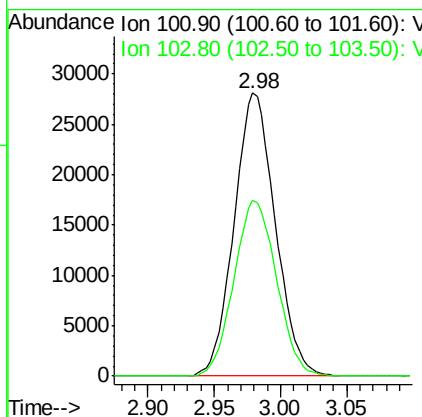
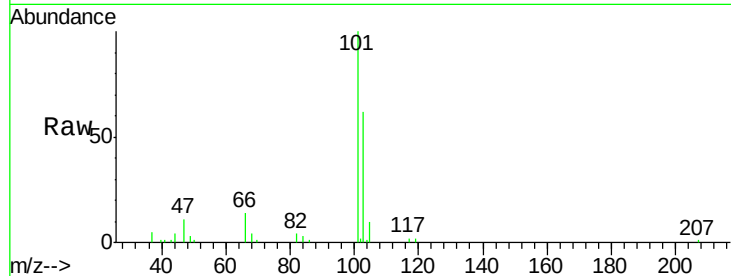
Trichlorofluoromethane
Concen: 20.645 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
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ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.8	79.2

Manual Integrations
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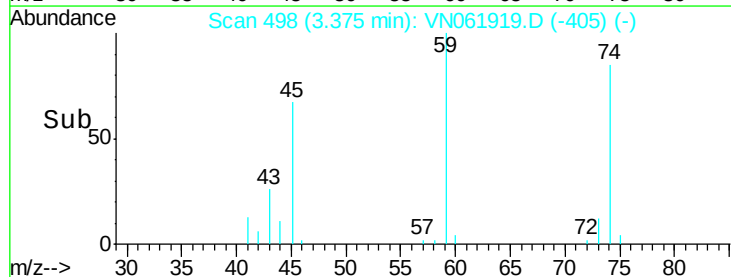
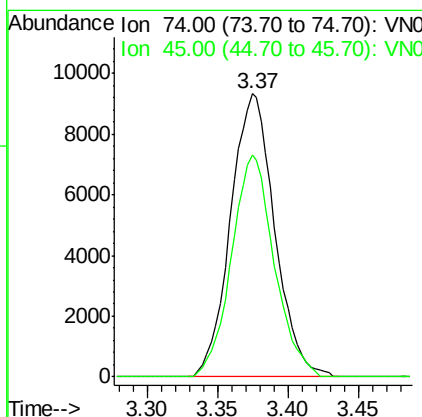
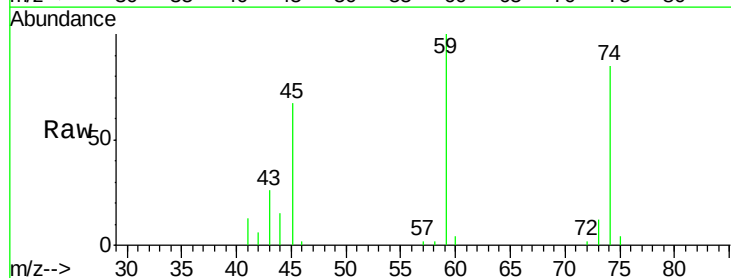
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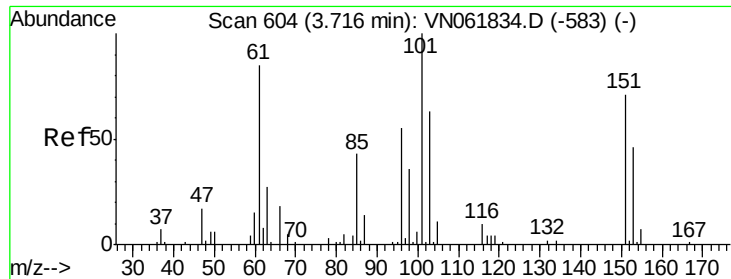


#8

Diethyl Ether
Concen: 20.627 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.9	39.1	117.3





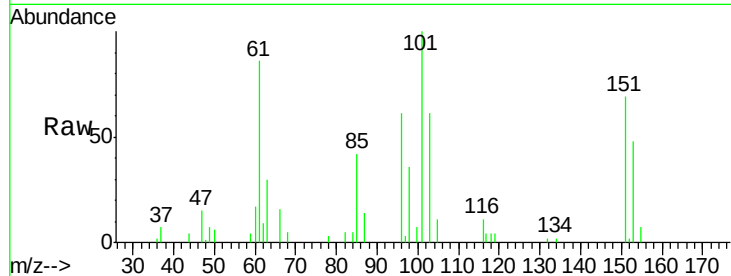
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.293 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

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 VN0618WBS02

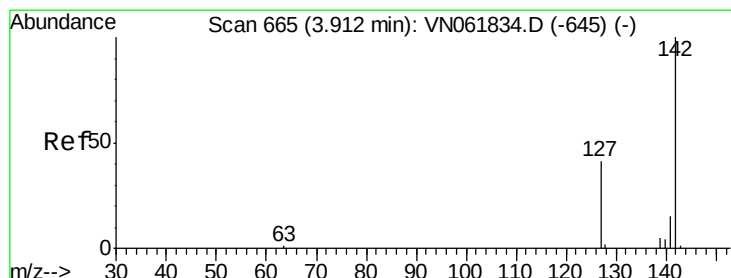
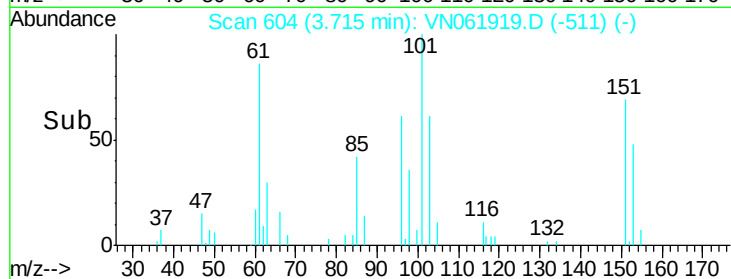
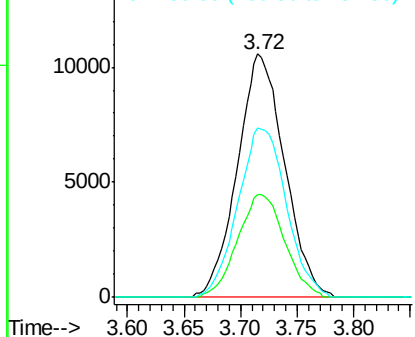
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.0	52.6
151	71.8	59.2	88.8

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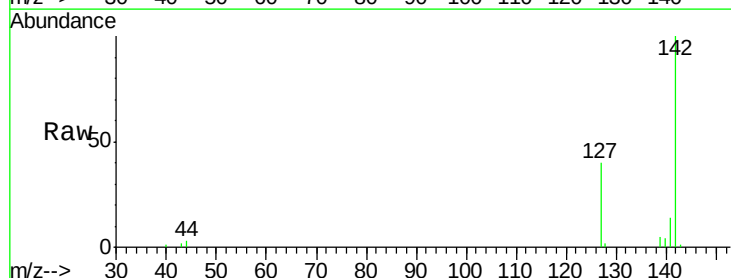


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

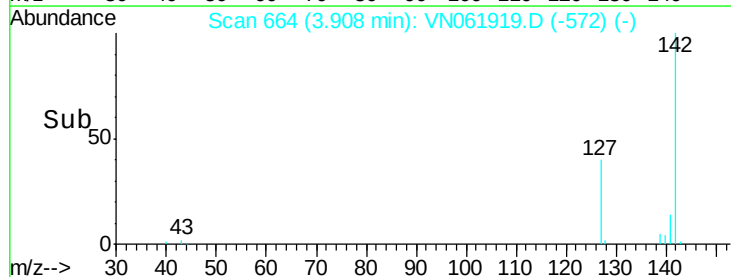
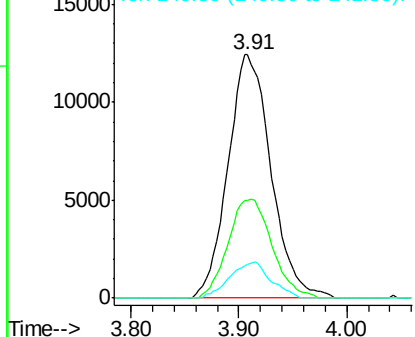


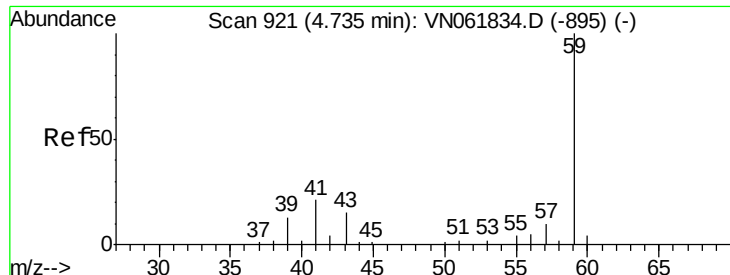
#10
 Methyl Iodide
 Concen: 22.261 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.4	33.4	50.0
141	14.0	11.3	16.9



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





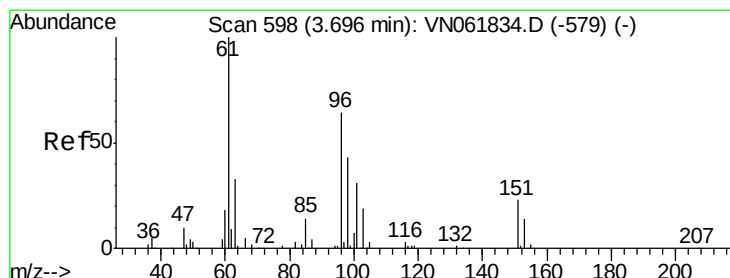
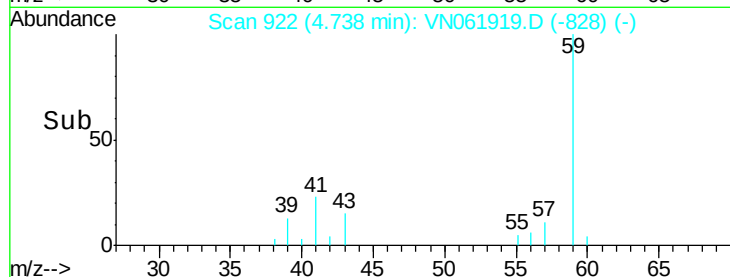
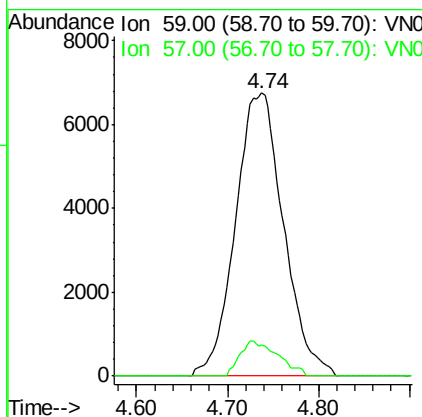
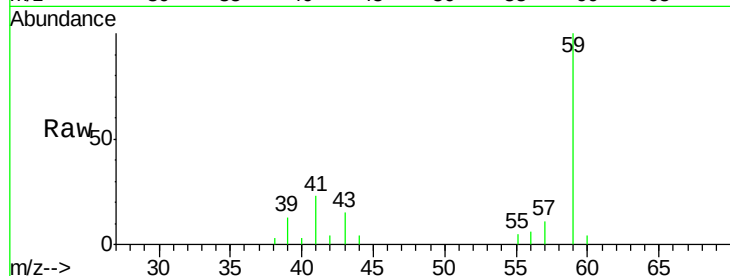
#11
Tert butyl alcohol
Concen: 89.732 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion: 59 Resp: 24777
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5

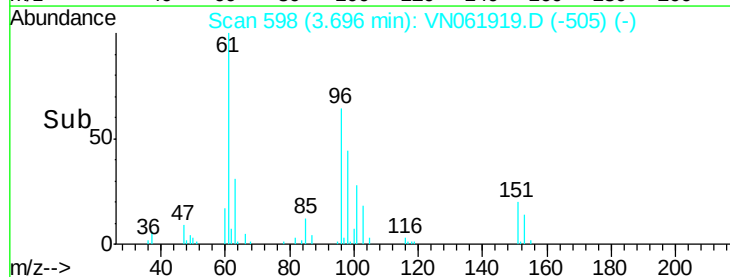
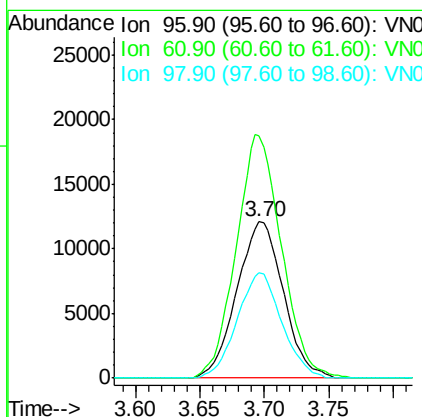
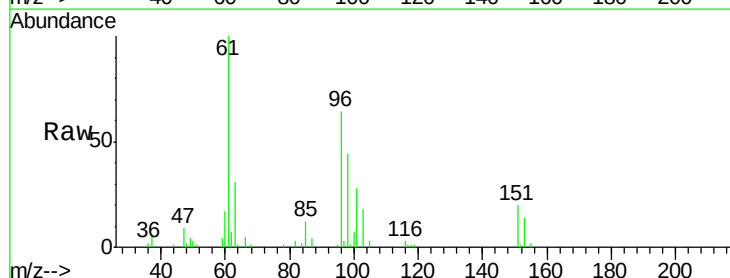
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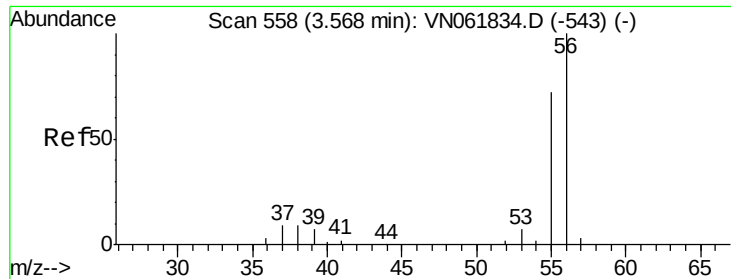
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.077 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 96 Resp: 30350
Ion Ratio Lower Upper
96 100
61 155.1 124.3 186.5
98 67.8 53.1 79.7





#13

Acrolein

Concen: 74.107 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 56 Resp: 12230

Ion Ratio Lower Upper

56 100

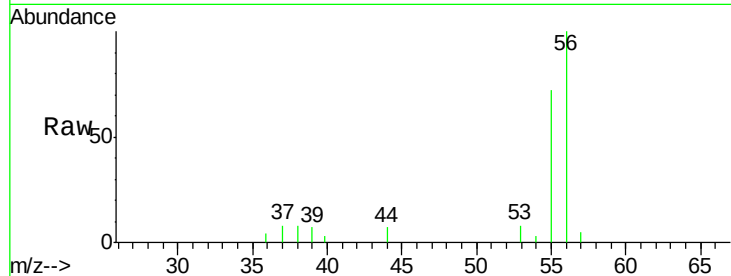
55 73.4 56.2 84.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

6000

5000

4000

3000

2000

1000

0

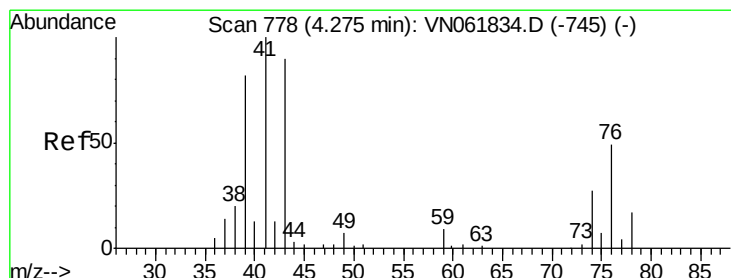
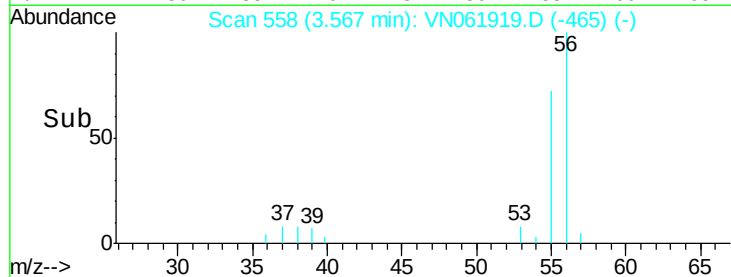
Time-->

3.50

3.55

3.60

3.65



#14

Allyl chloride

Concen: 19.271 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

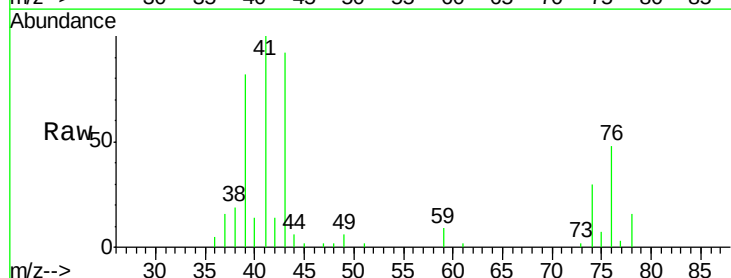
Tgt Ion: 41 Resp: 38664

Ion Ratio Lower Upper

41 100

39 74.5 60.2 90.2

76 44.5 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

15000

10000

5000

0

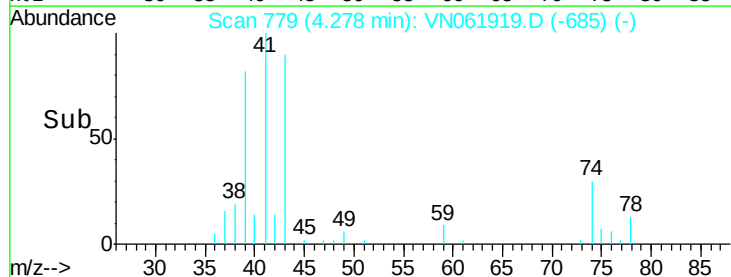
Time-->

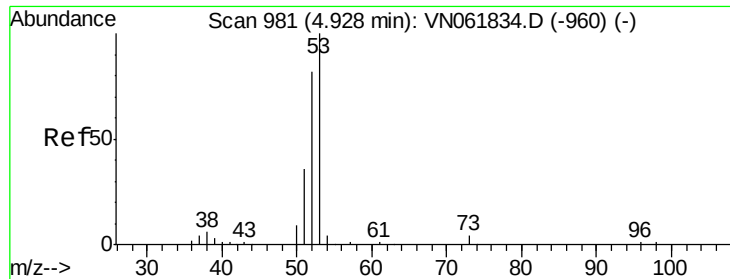
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 102.131 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

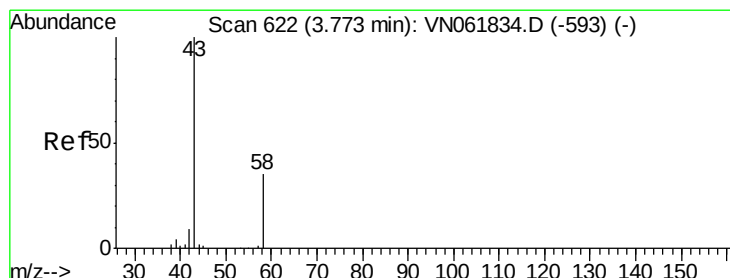
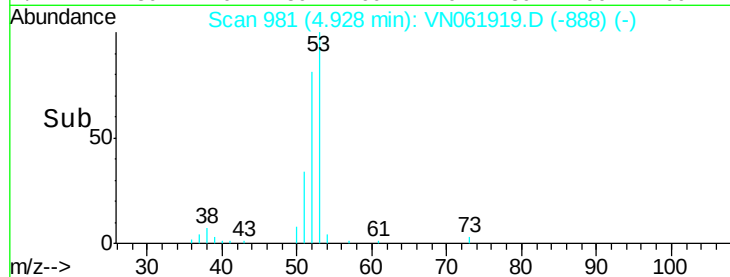
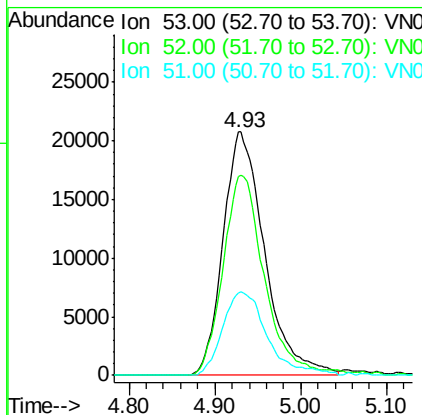
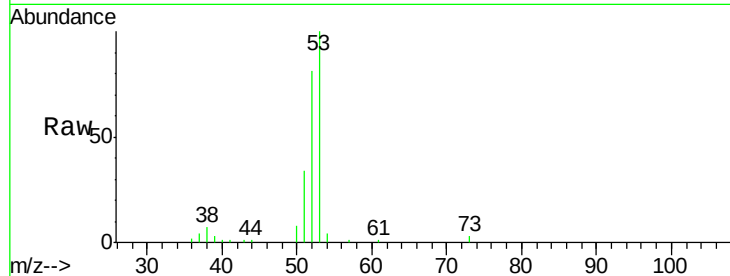
ClientSampleId :

VN0618WBS02

Tot Ion:	53	Resp:	69877
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.2	97.8
51	36.6	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 95.099 ug/l

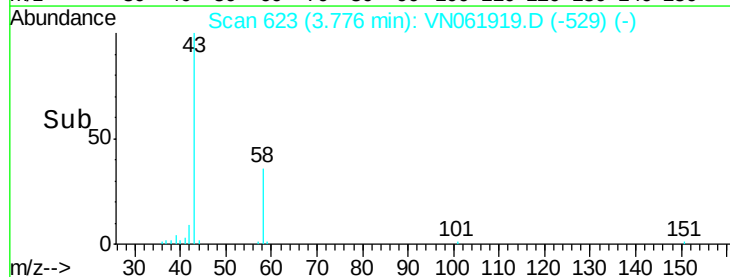
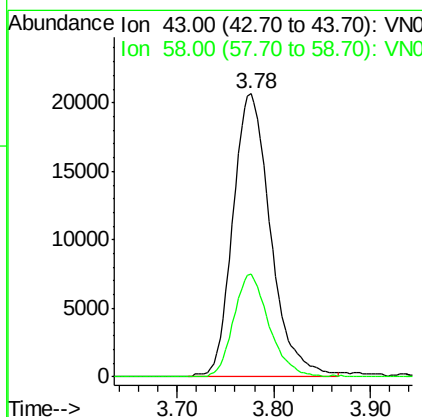
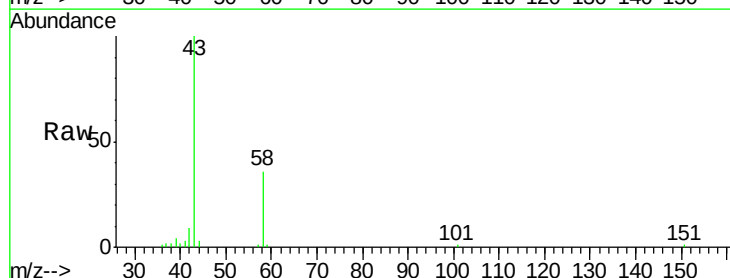
RT: 3.78 min Scan# 623

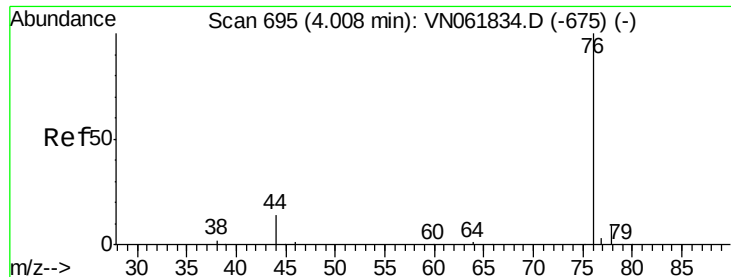
Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Tgt Ion:	43	Resp:	56052
Ion	Ratio	Lower	Upper
43	100		
58	36.1	27.8	41.8





#17

Carbon Disulfide

Concen: 19.138 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 76 Resp: 84652

Ion Ratio Lower Upper

76 100

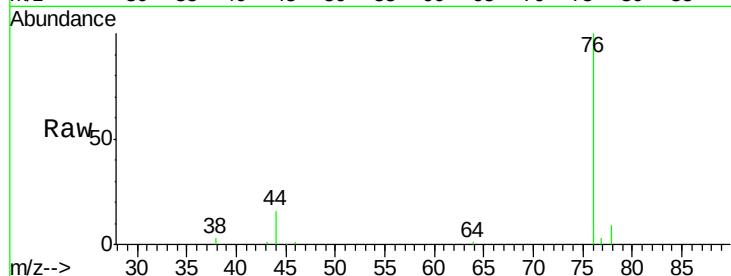
78 8.5 7.3 10.9

Manual Integrations

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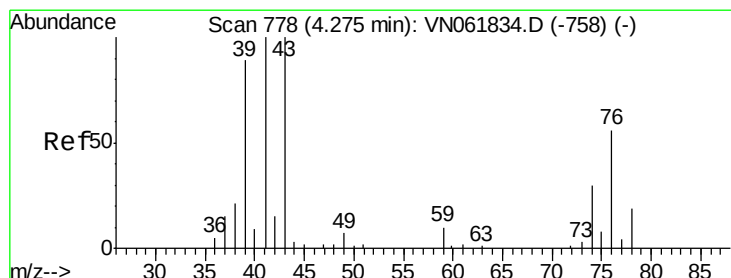
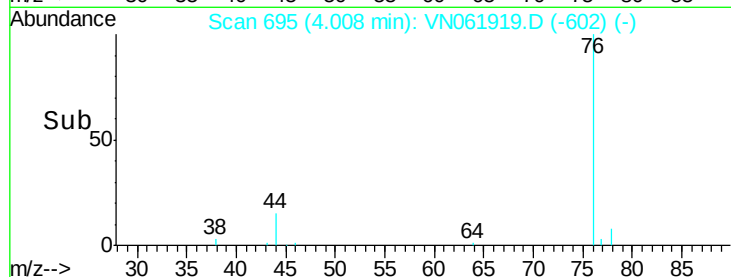
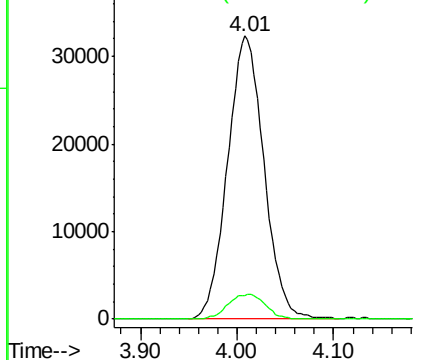
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.138 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061919.D

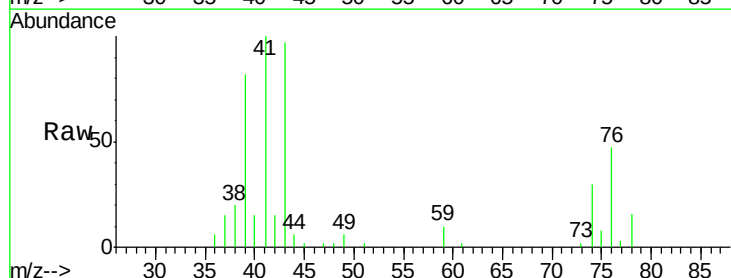
Acq: 19 Jun 2020 00:05

Tgt Ion: 43 Resp: 34172

Ion Ratio Lower Upper

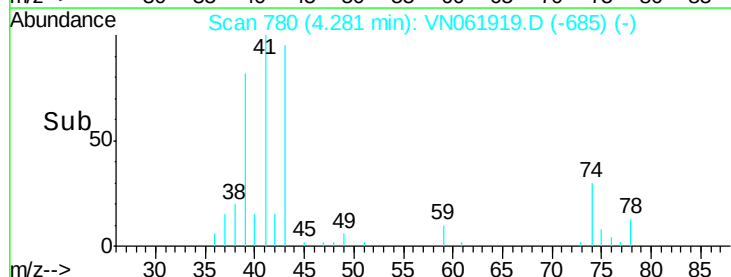
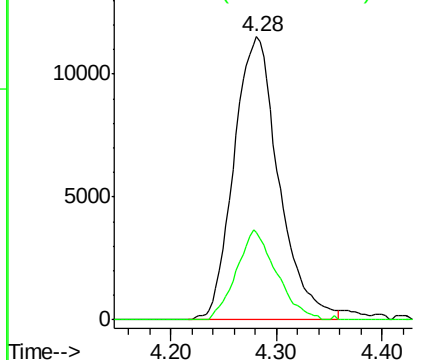
43 100

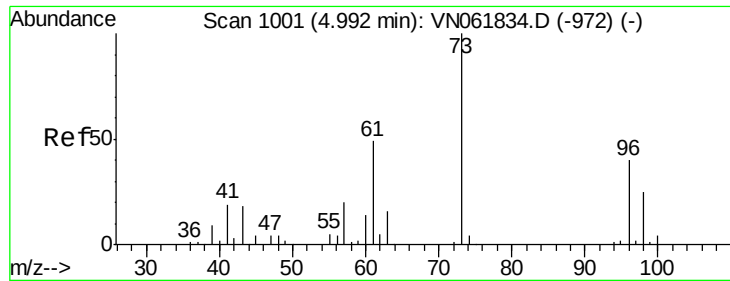
74 28.3 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





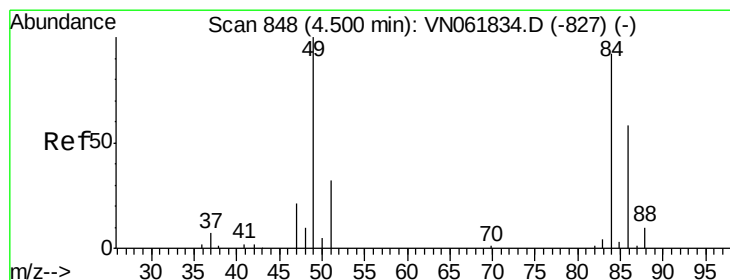
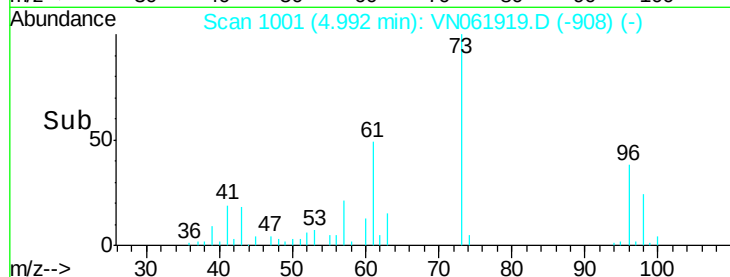
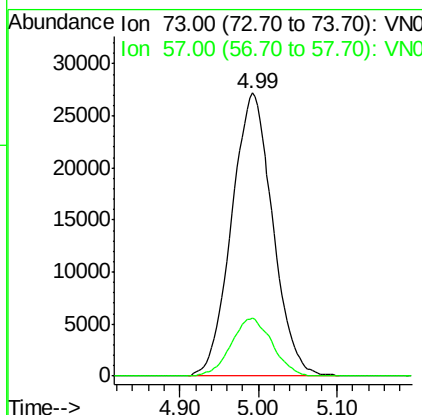
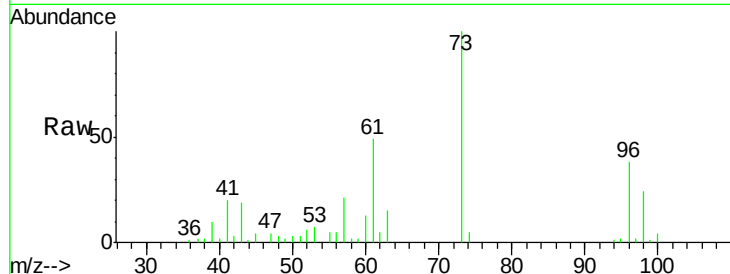
#19
Methyl tert-butyl Ether
Concen: 19.752 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 73 Resp: 99416
Ion Ratio Lower Upper
73 100
57 20.5 16.2 24.4

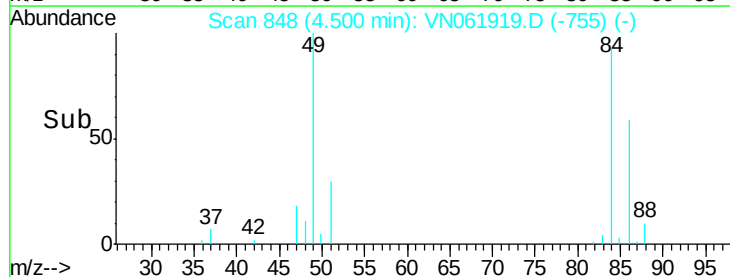
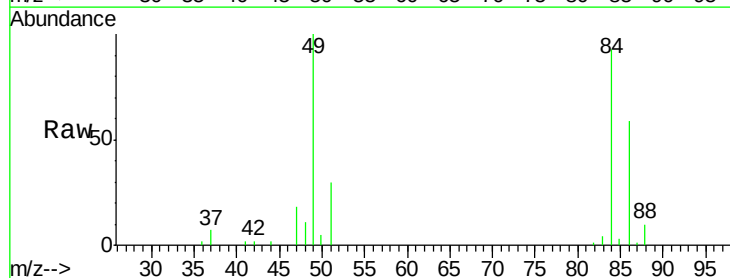
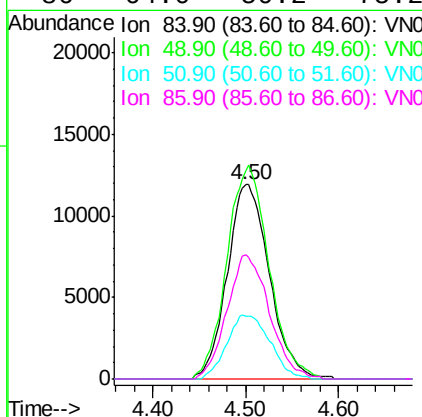
Manual Integrations
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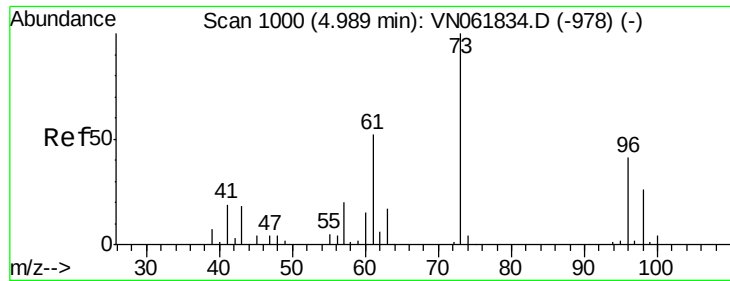
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#20
Methylene Chloride
Concen: 19.575 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 84 Resp: 37589
Ion Ratio Lower Upper
84 100
49 107.7 87.0 130.4
51 32.6 27.8 41.6
86 64.0 50.2 75.2





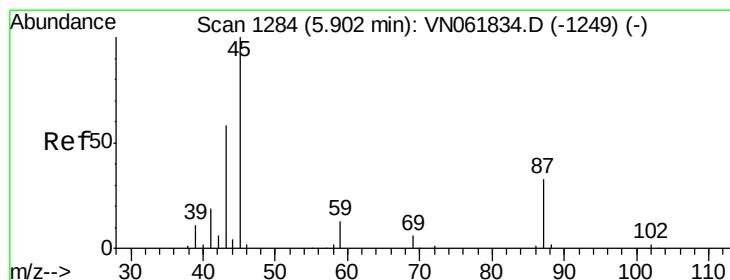
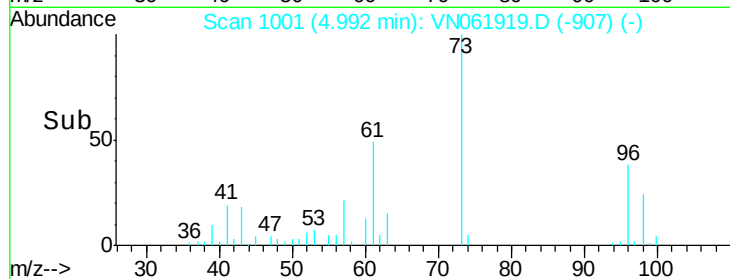
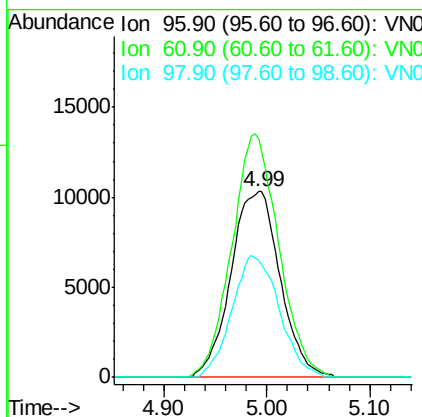
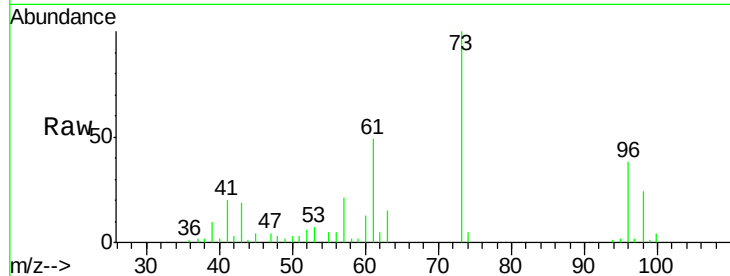
#21
trans-1,2-Dichloroethene
Concen: 19.732 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	102.2	153.4
98	62.9	51.2	76.8

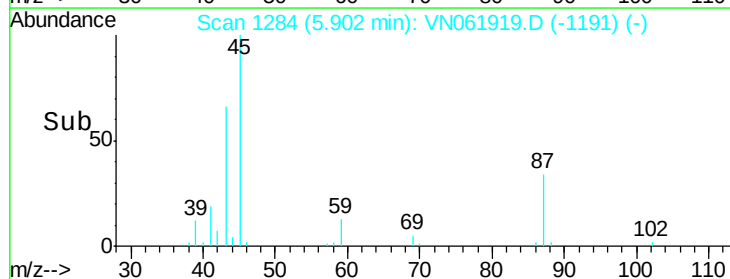
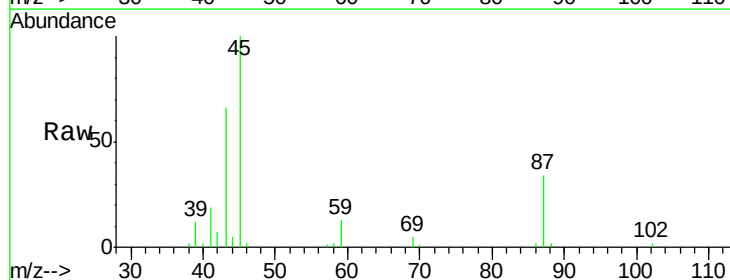
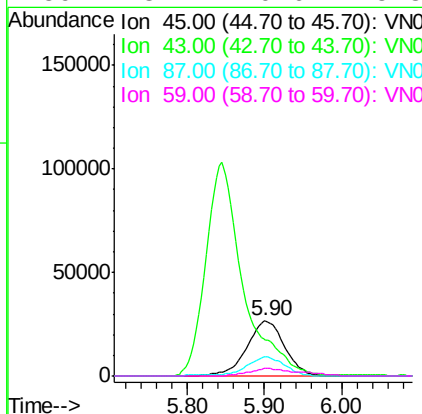
Manual Integrations
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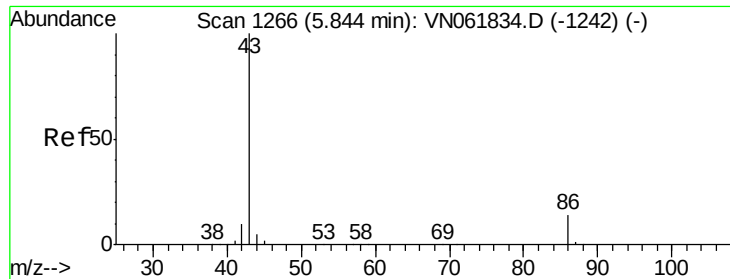
MMDadoda
6/19/2020 1:02:32 PM



#22
Diisopropyl ether
Concen: 19.757 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	49.4	74.2
87	34.3	27.4	41.0
59	13.4	10.6	15.8





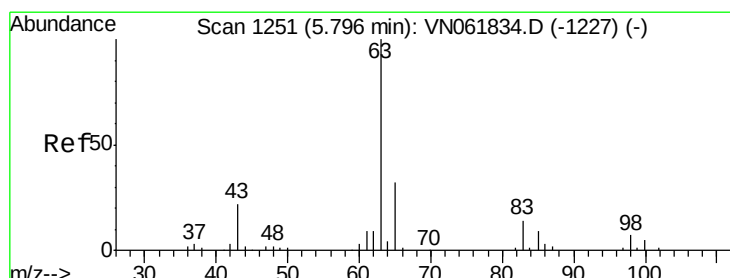
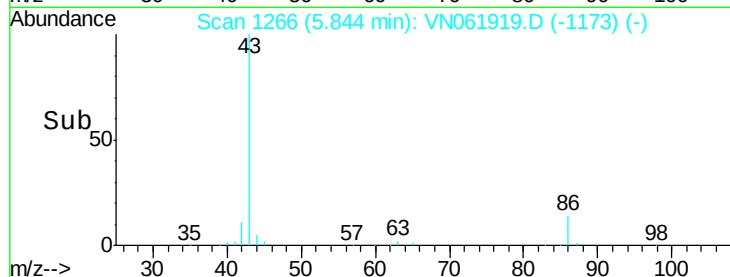
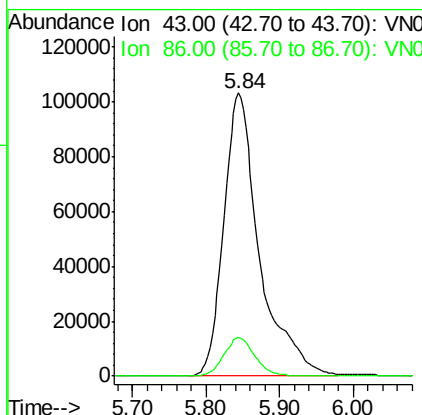
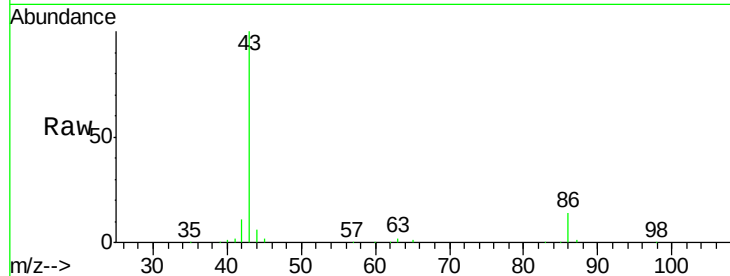
#23
 Vinyl Acetate
 Concen: 96.185 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	43	Resp	347132
Ion Ratio	100	Lower	Upper
43	100		
86	13.7	10.9	16.3

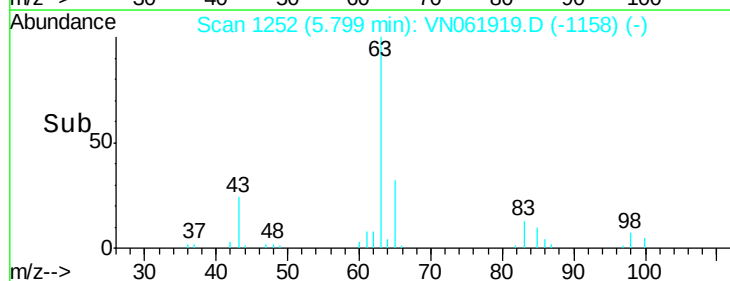
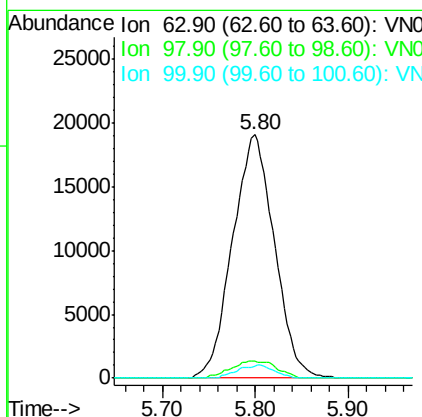
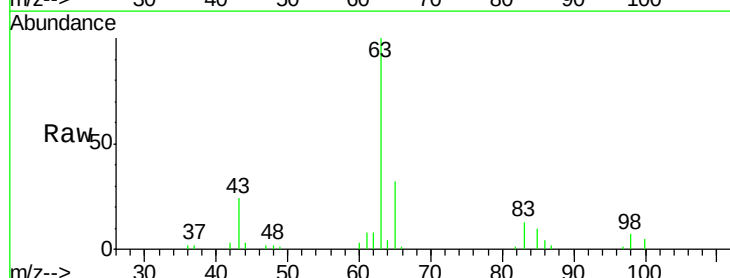
Manual Integrations
 APPROVED

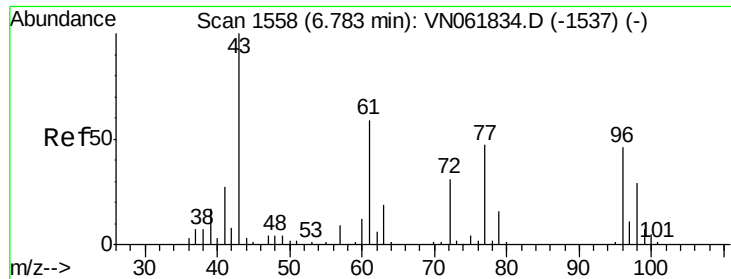
MMDadoda
 6/19/2020 1:02:32 PM



#24
 1,1-Dichloroethane
 Concen: 19.895 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	63	Resp	59761
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.9	2.5	7.4





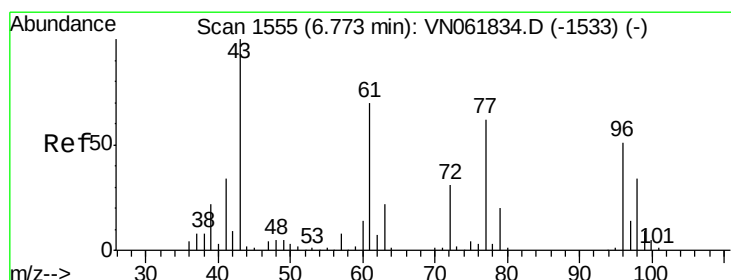
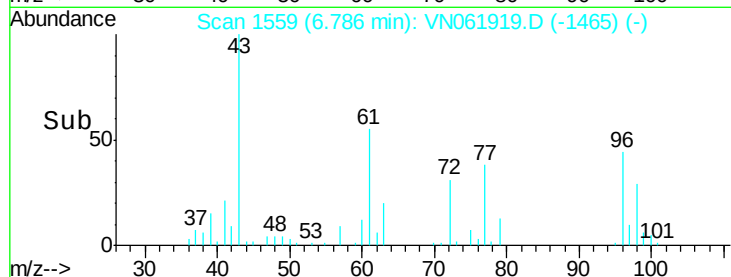
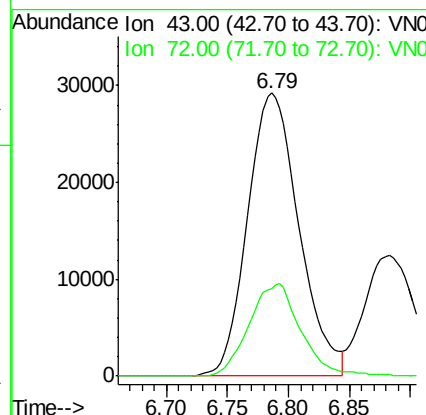
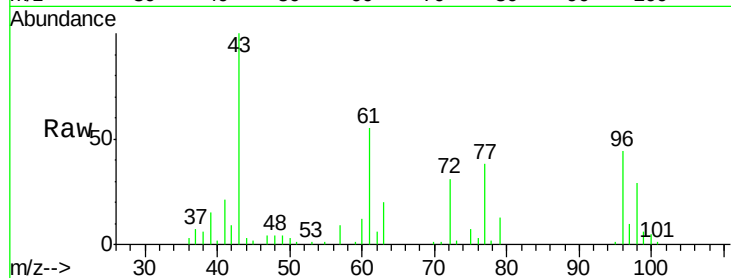
#25
2-Butanone
Concen: 99.396 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 43 Resp: 85475
Ion Ratio Lower Upper
43 100
72 30.9 24.6 37.0

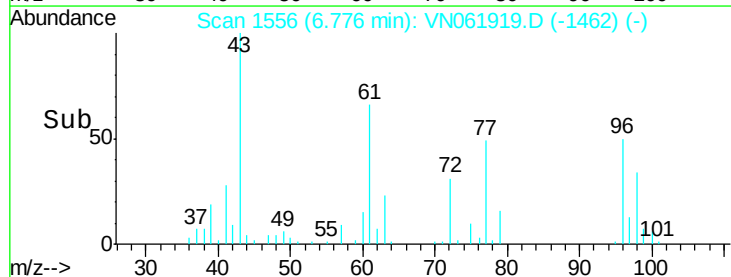
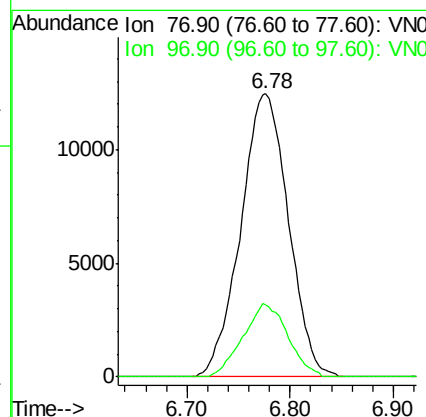
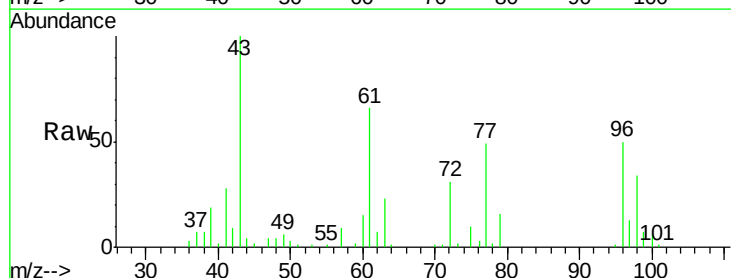
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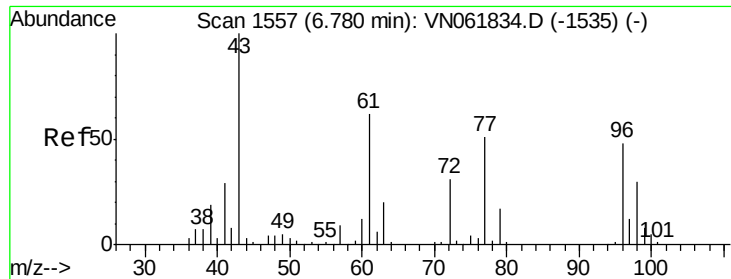
MMDadoda
6/19/2020 1:02:32 PM



#26
2,2-Dichloropropane
Concen: 15.843 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 77 Resp: 40038
Ion Ratio Lower Upper
77 100
97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.583 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

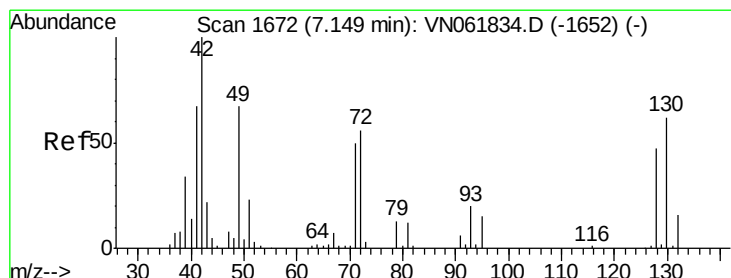
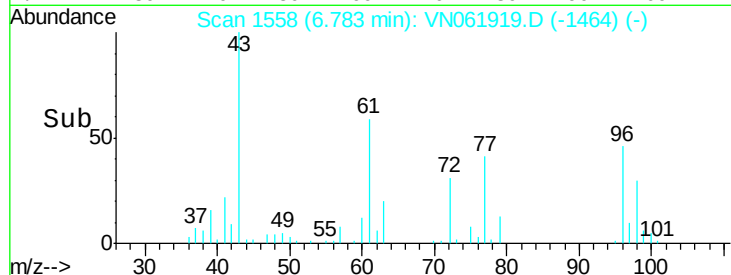
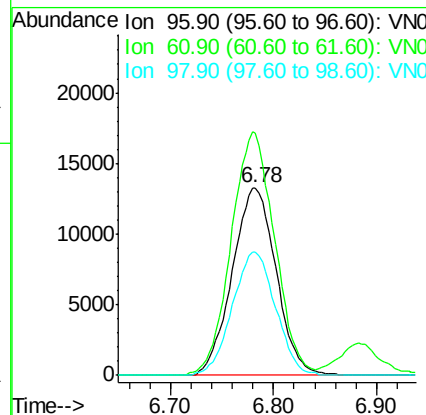
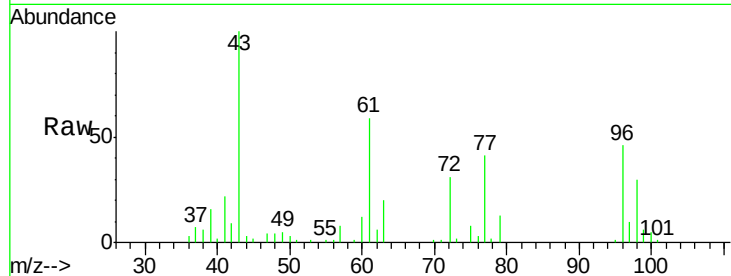
ClientSampleId :

VN0618WBS02

Tot Ion:	96	Resp:	39235
Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	265.6
98	64.6	0.0	128.2

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6/19/2020 1:02:32 PM



#28

Bromochloromethane

Concen: 20.215 ug/l

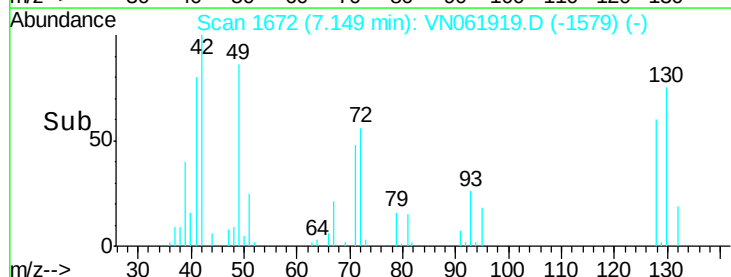
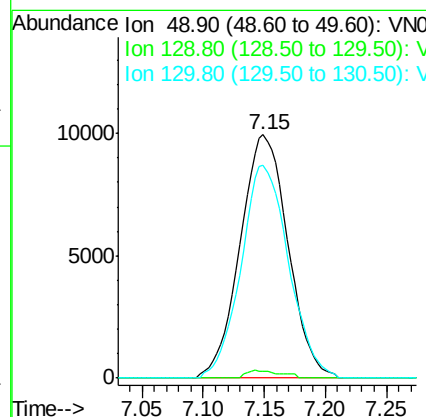
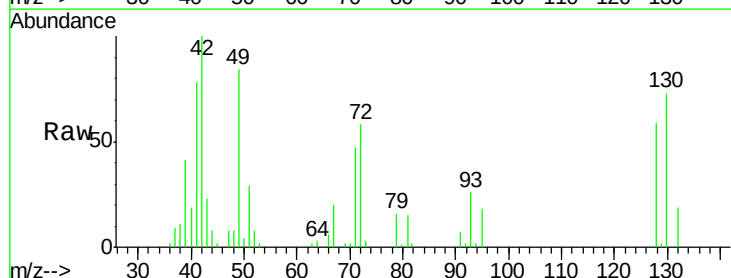
RT: 7.15 min Scan# 1672

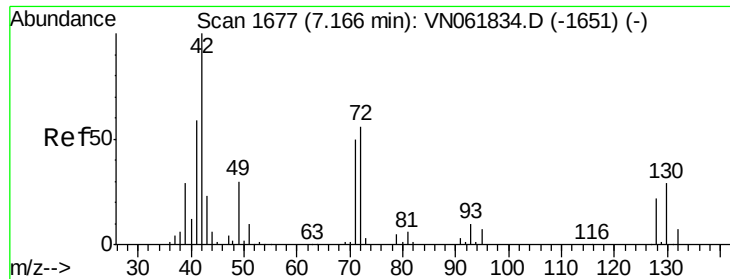
Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Tgt Ion:	49	Resp:	27037
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	87.0	72.2	108.2





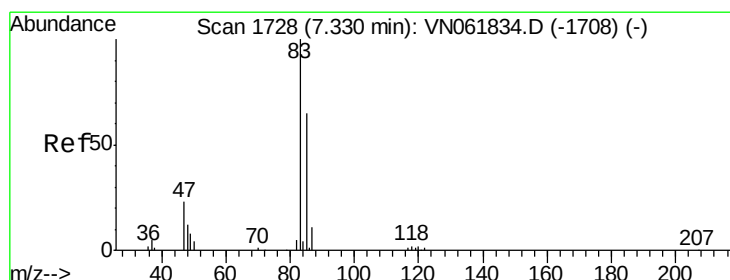
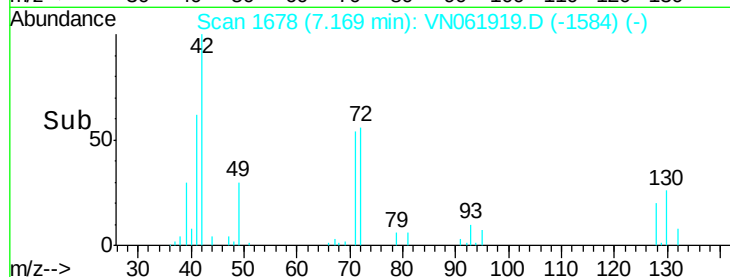
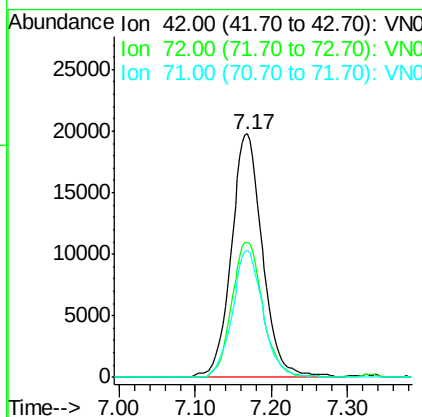
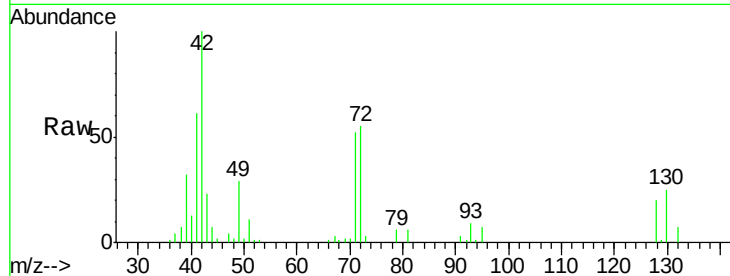
#29
Tetrahydrofuran
Concen: 99.351 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.1	44.0	66.0
71	50.7	40.0	60.0

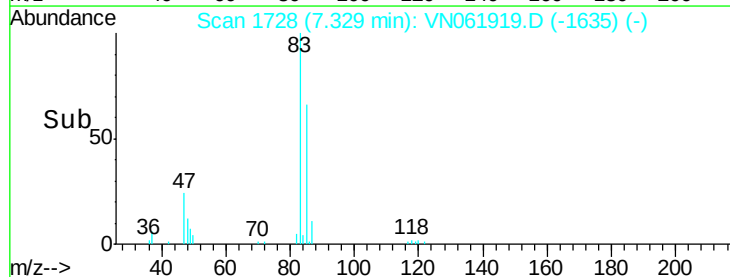
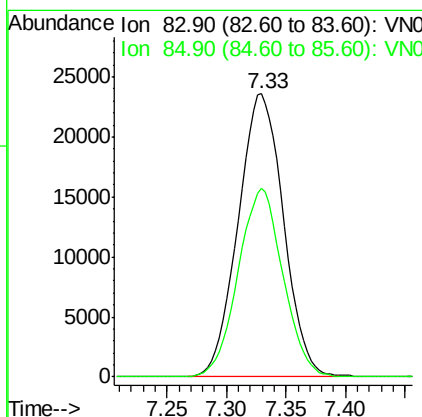
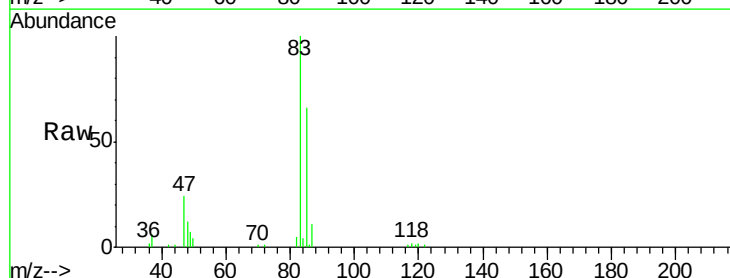
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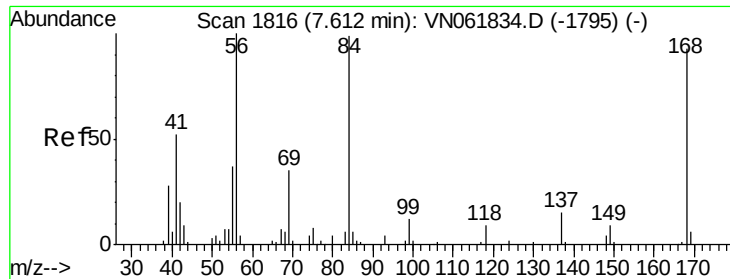
MMDadoda
6/19/2020 1:02:32 PM



#30
Chloroform
Concen: 19.406 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.0	78.0





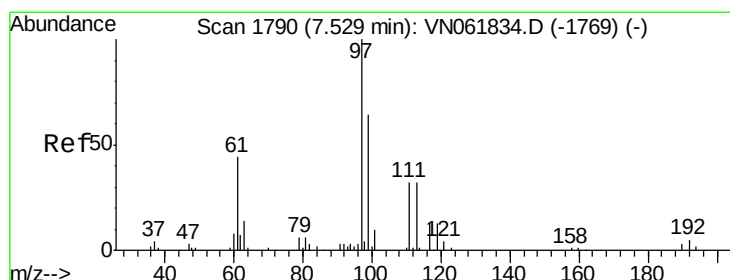
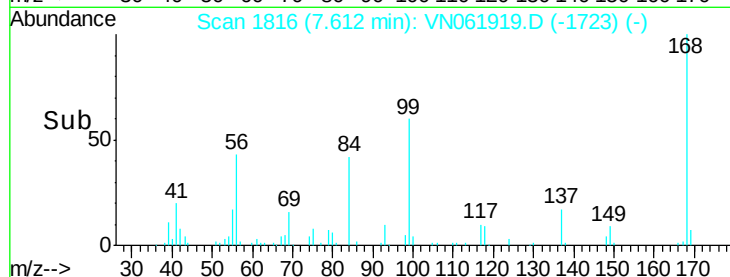
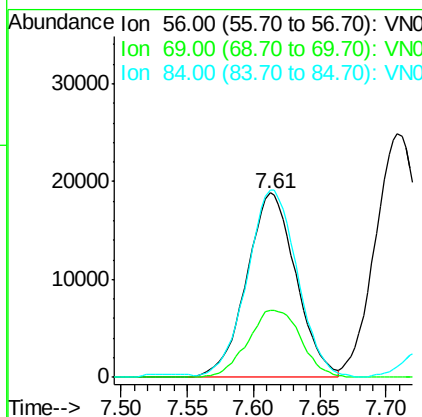
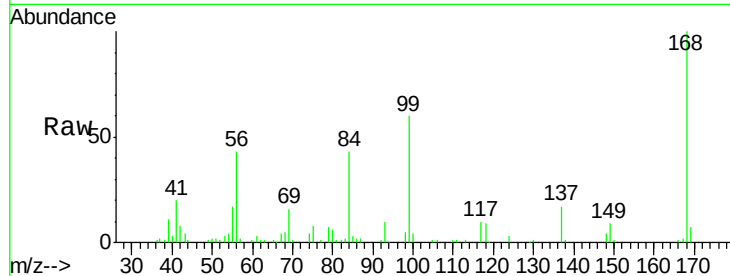
#31
Cyclohexane
Concen: 18.624 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	56	Resp	48974
Ion Ratio	100	Lower	Upper
56	100		
69	36.6	27.7	41.5
84	100.2	79.1	118.7

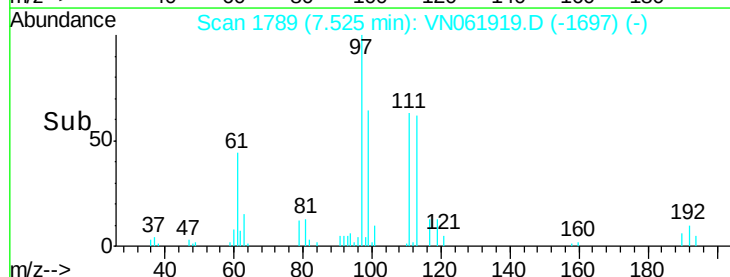
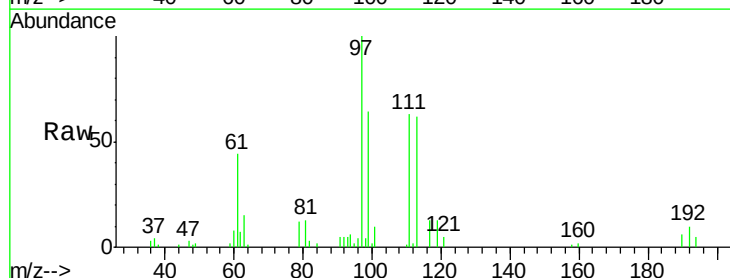
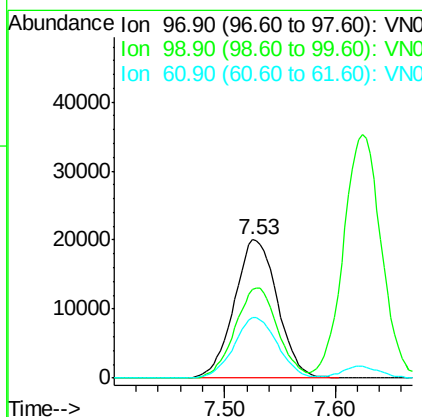
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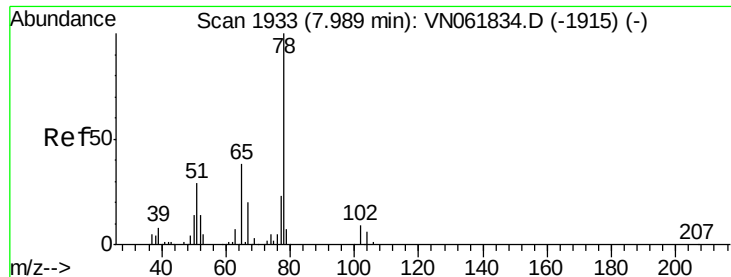
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.927 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	97	Resp	54479
Ion Ratio	100	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	44.2	35.1	52.7





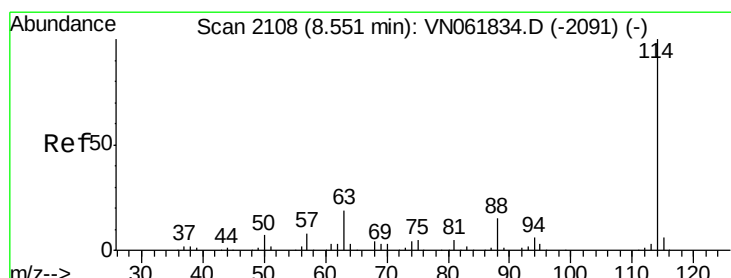
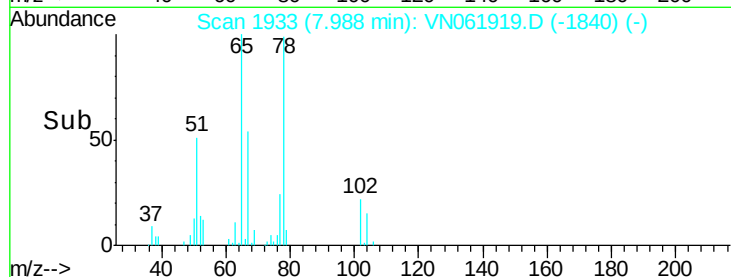
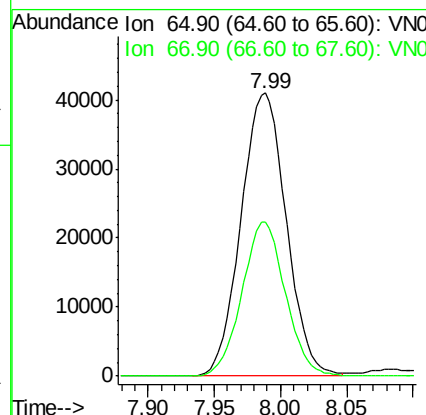
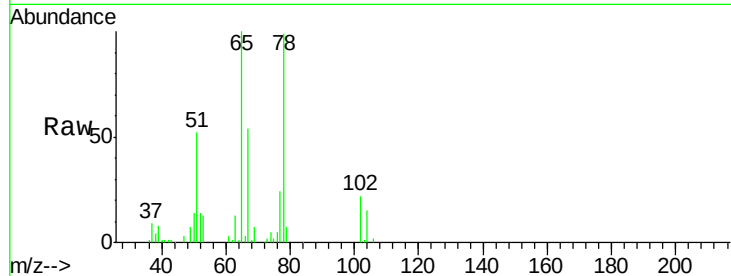
#33
 1,2-Dichloroethane-d4
 Concen: 48.718 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

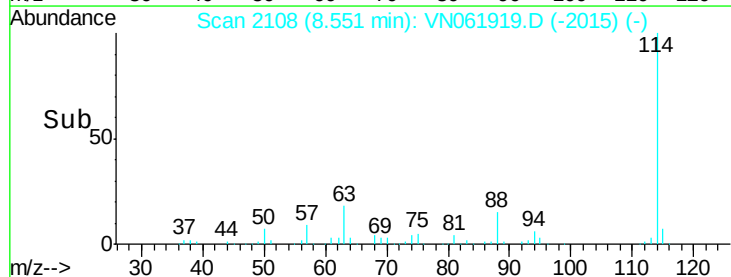
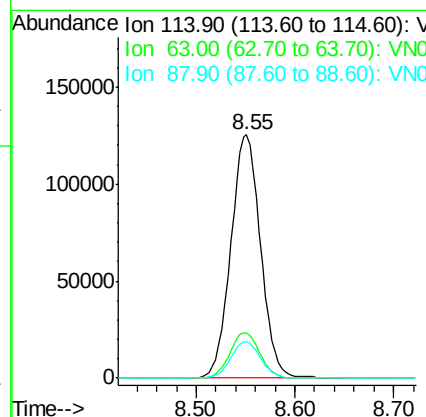
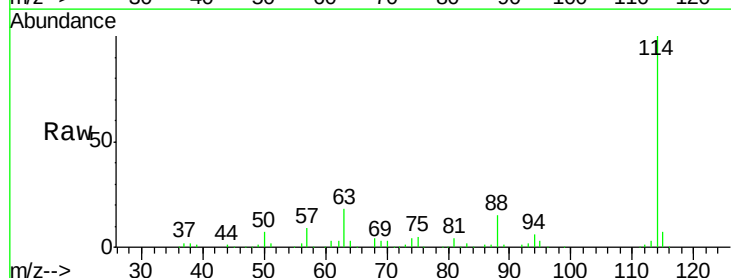
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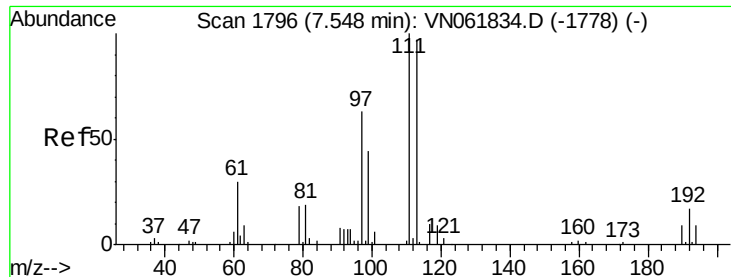
MMDadoda
 6/19/2020 1:02:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	37.6
88	15.0	0.0	31.0





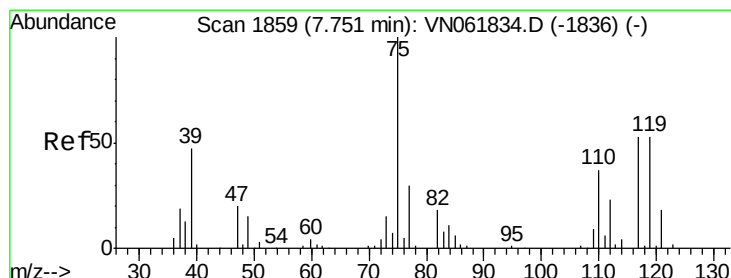
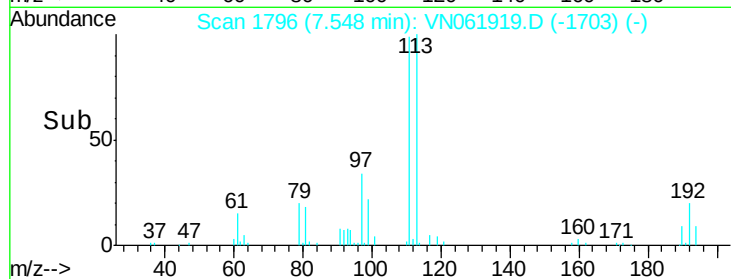
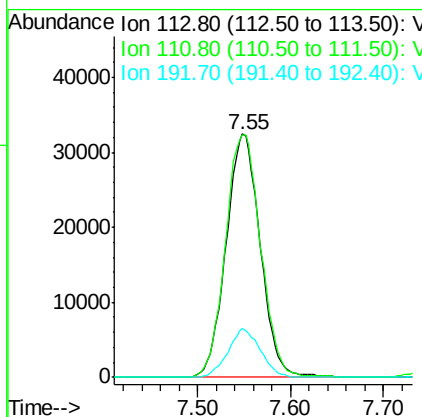
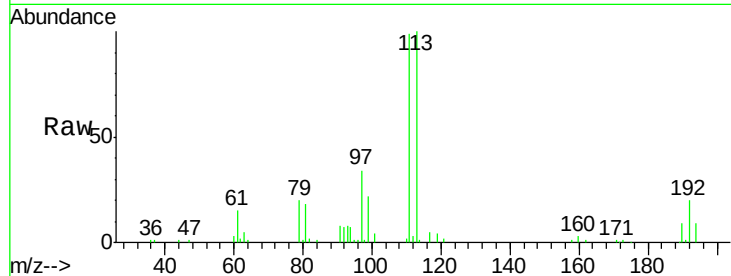
#35
 Dibromofluoromethane
 Concen: 49.087 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.7	125.5
192	18.9	13.9	20.9

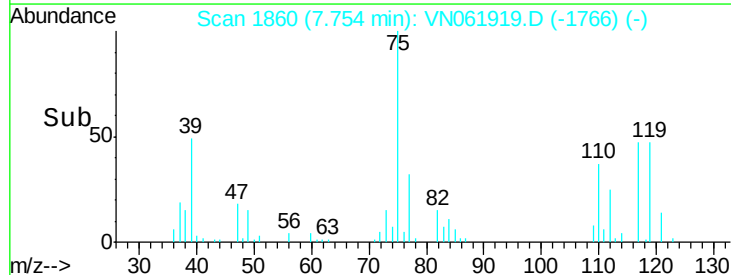
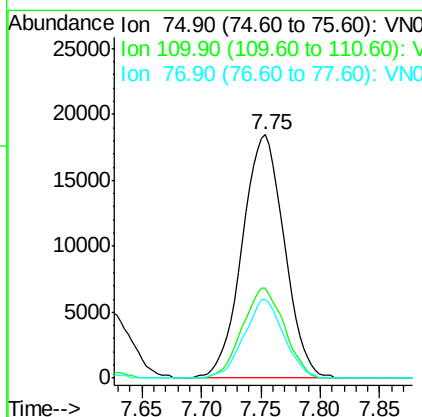
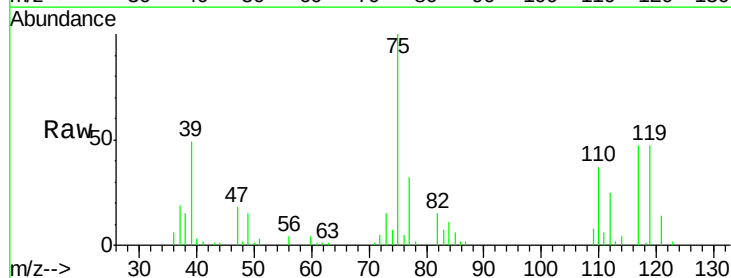
Manual Integrations
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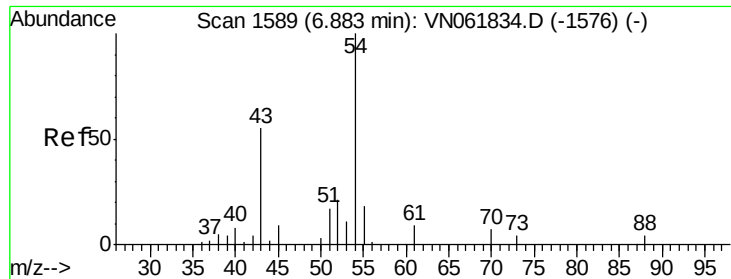
MMDadoda
 6/19/2020 1:02:32 PM



#36
 1,1-Dichloropropene
 Concen: 18.852 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	30.5	24.2	36.4





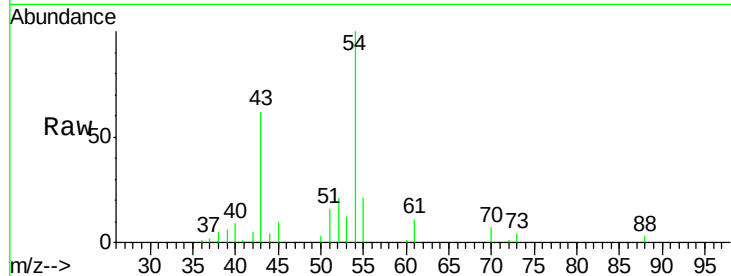
#37
Ethyl Acetate
Concen: 19.097 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	13.0	19.4
70	12.0	9.4	14.2

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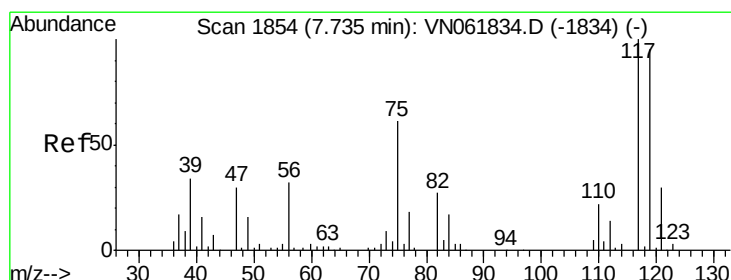
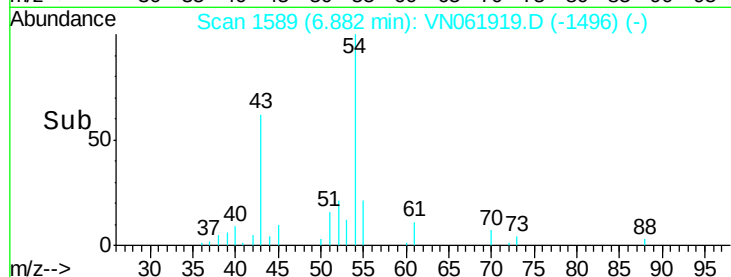
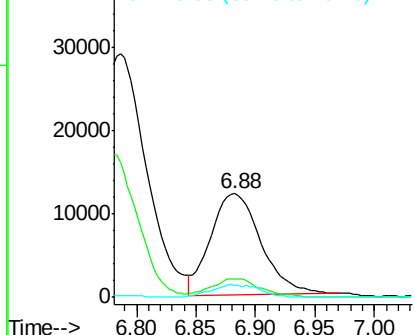


Abundance

Ion 43.00 (42.70 to 43.70): VN061919.D (-1496) (-)

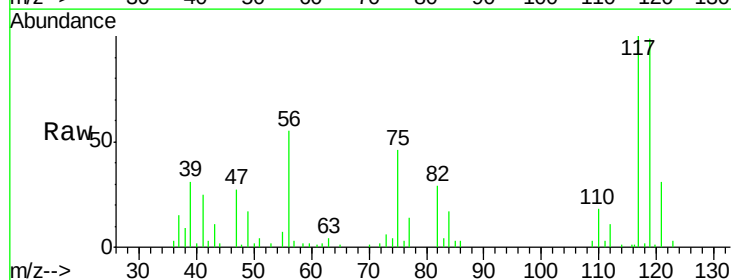
Ion 60.90 (60.60 to 61.60): VN061919.D (-1496) (-)

Ion 70.00 (69.70 to 70.70): VN061919.D (-1496) (-)



#38
Carbon Tetrachloride
Concen: 19.120 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.8	113.6
121	31.0	23.8	35.6

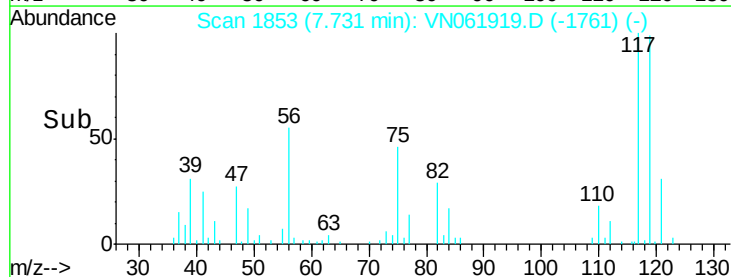
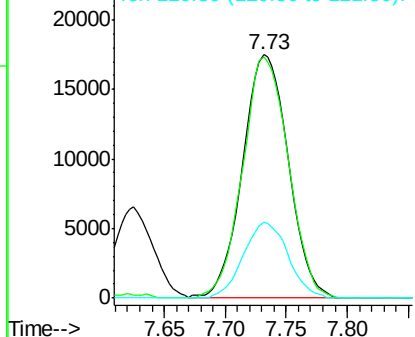


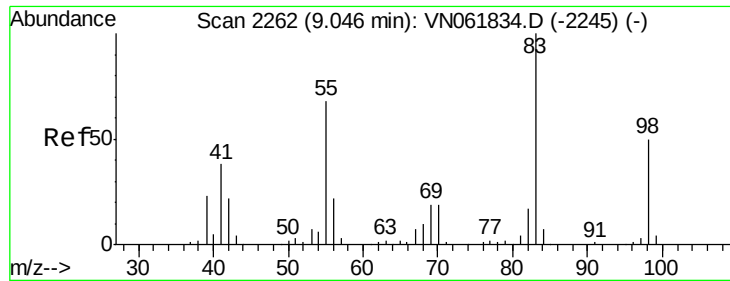
Abundance

Ion 116.80 (116.50 to 117.50): VN061919.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061919.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061919.D (-1761) (-)





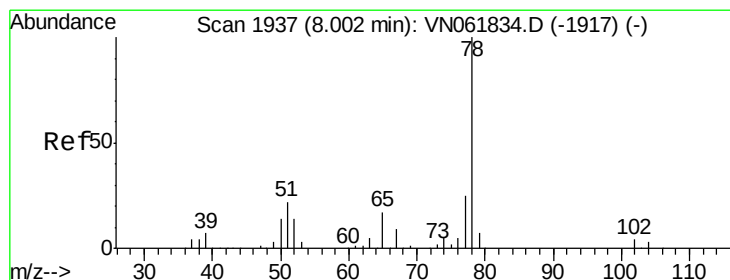
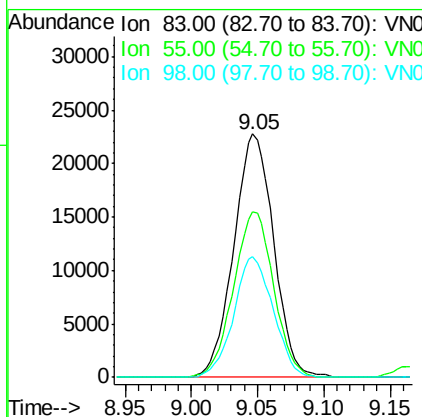
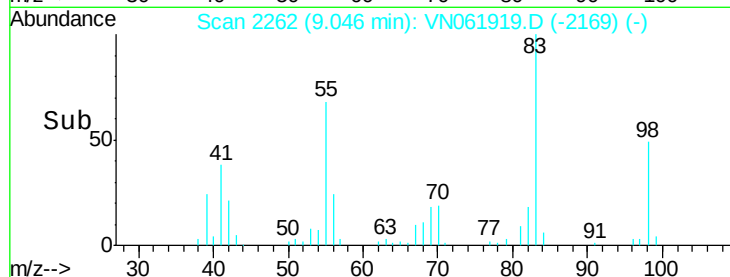
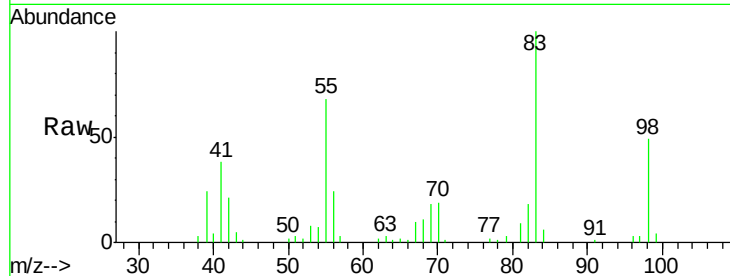
#39
Methylvlcyclohexane
Concen: 18.385 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	83	Resp	47594
Ion Ratio	Lower	Upper	
83	100		
55	67.9	54.2	81.4
98	49.3	39.8	59.6

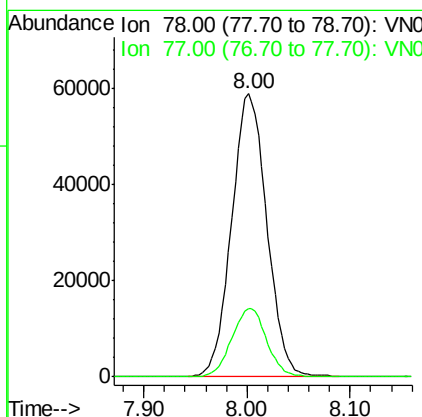
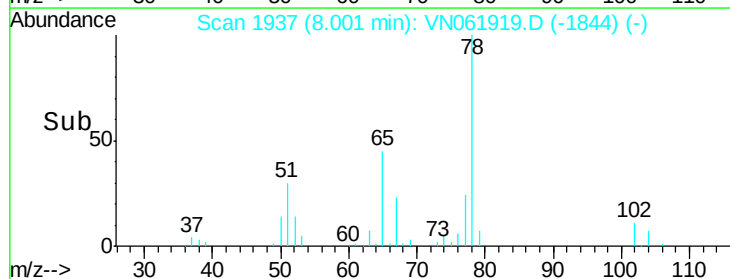
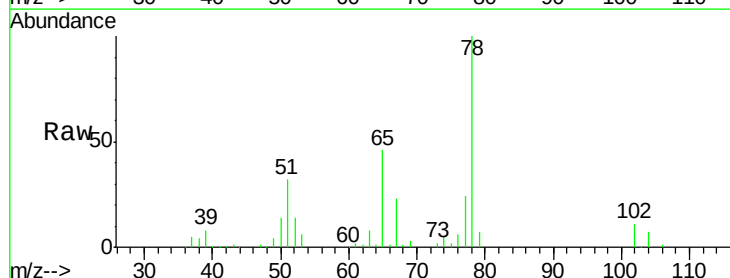
Manual Integrations
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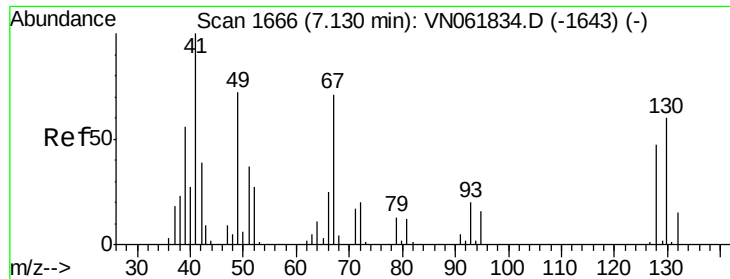
MMDadoda
6/19/2020 1:02:32 PM



#40
Benzene
Concen: 19.255 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	78	Resp	140226
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.7	29.5





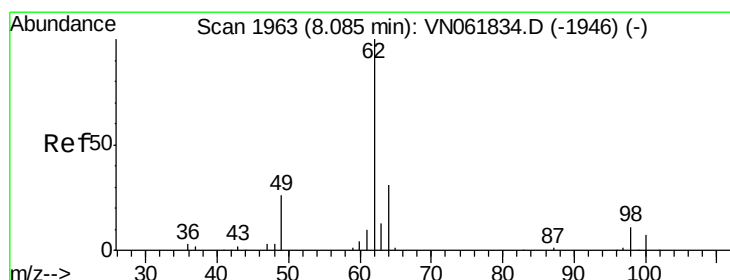
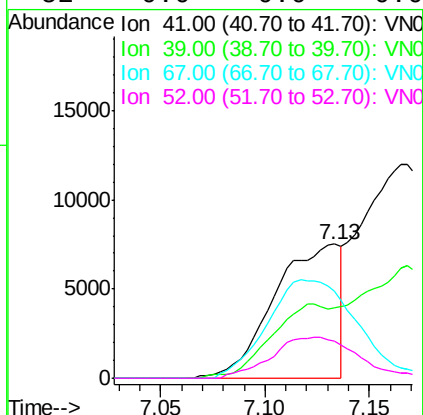
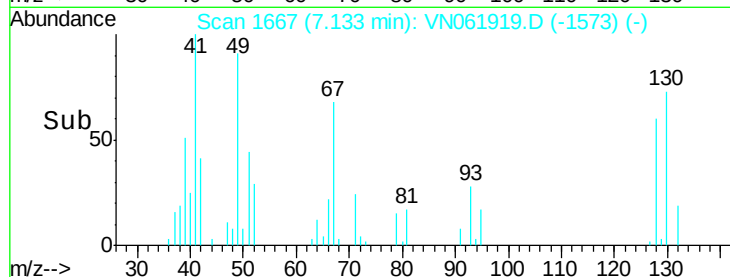
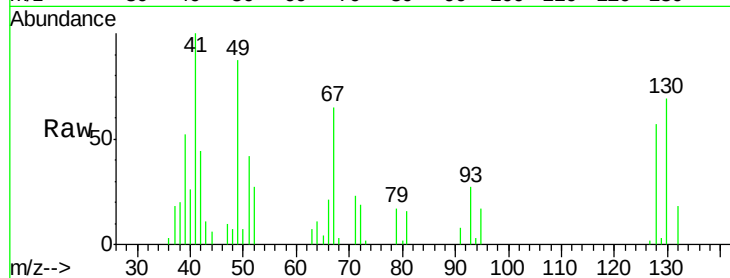
#41
Methacrylonitrile
Concen: 20.746 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

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

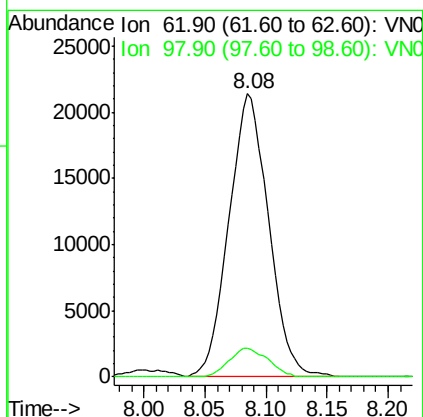
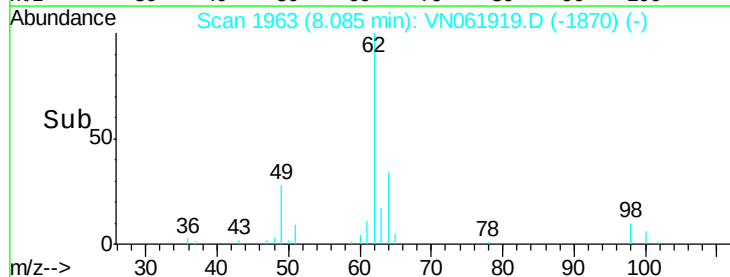
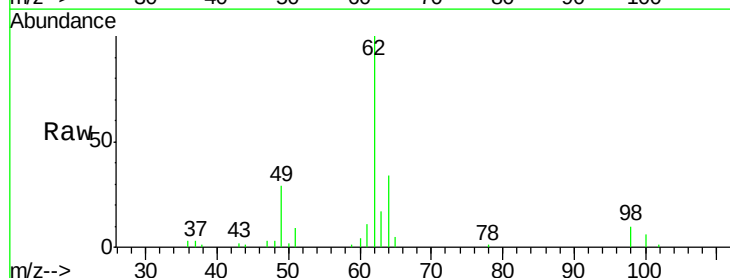
Manual Integrations
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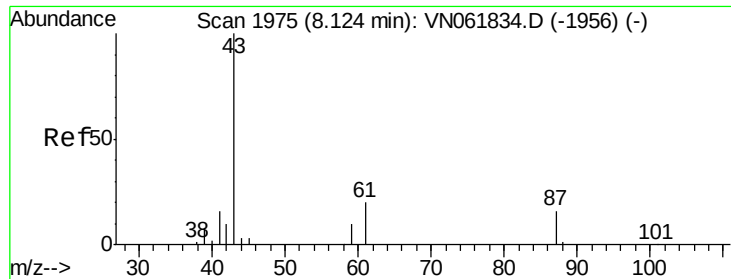
MMDadoda
6/19/2020 1:02:32 PM



#42
1,2-Dichloroethane
Concen: 19.491 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





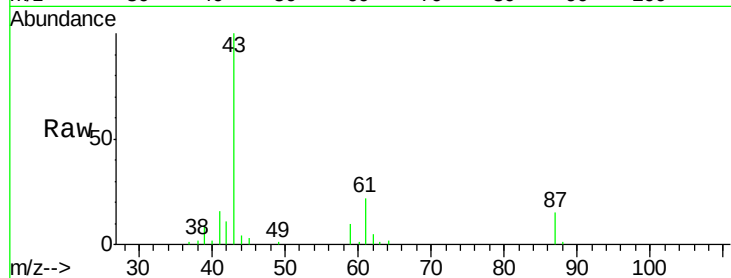
#43
Isopropyl Acetate
Concen: 19.100 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

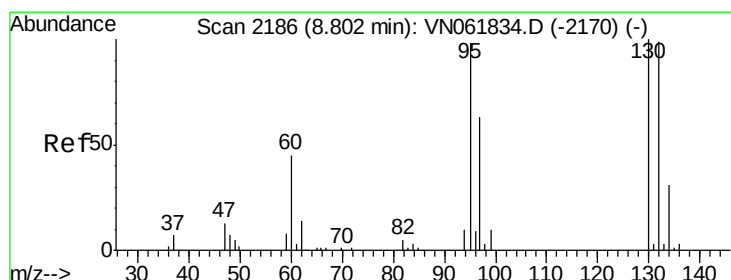
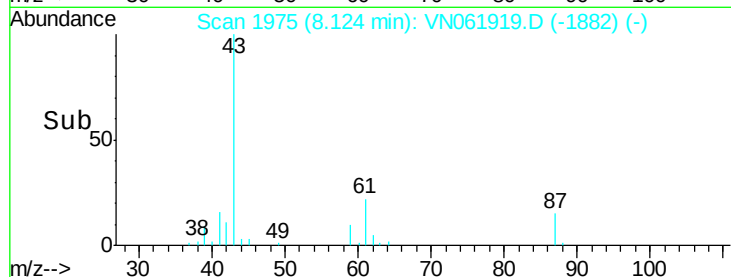
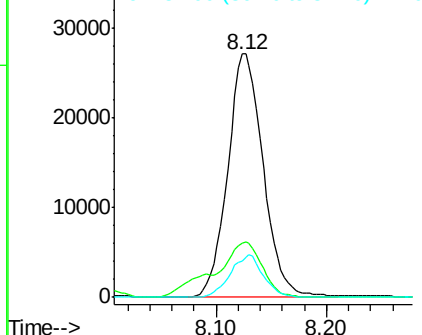
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	24.0	36.0#
87	16.1	12.5	18.7

Manual Integrations
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MMDadoda
6/19/2020 1:02:32 PM

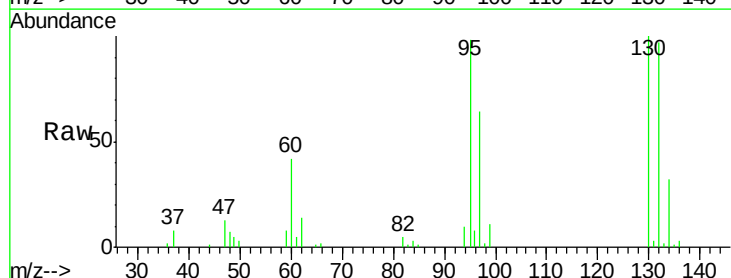


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1956) (-)

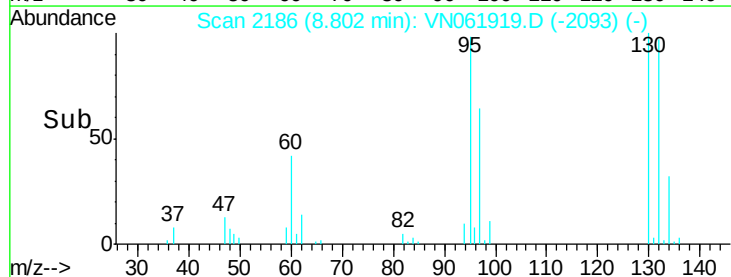
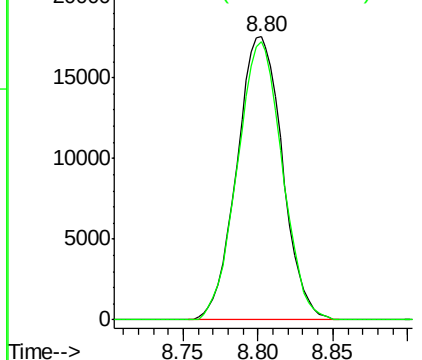


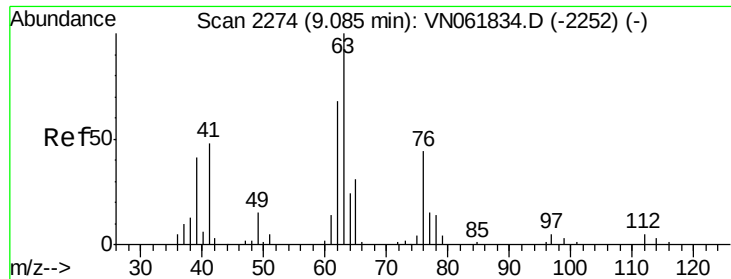
#44
Trichloroethene
Concen: 19.378 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)





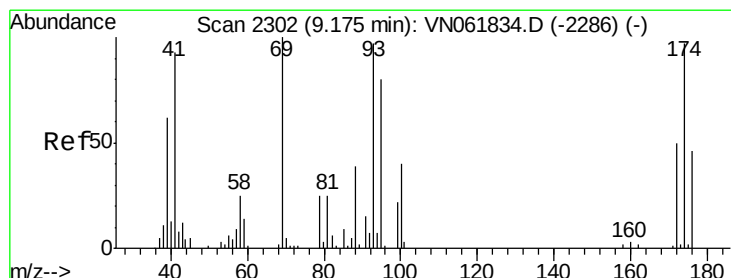
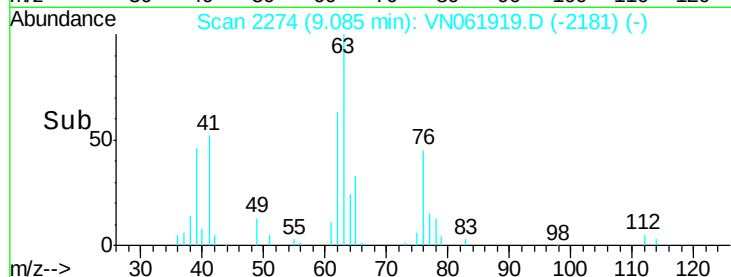
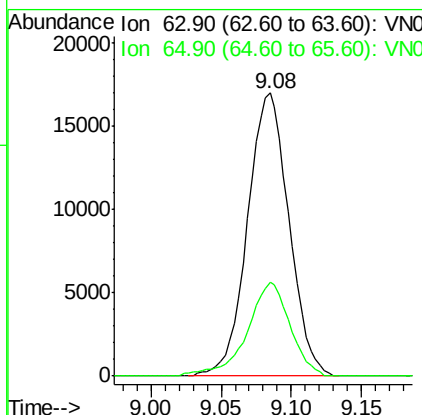
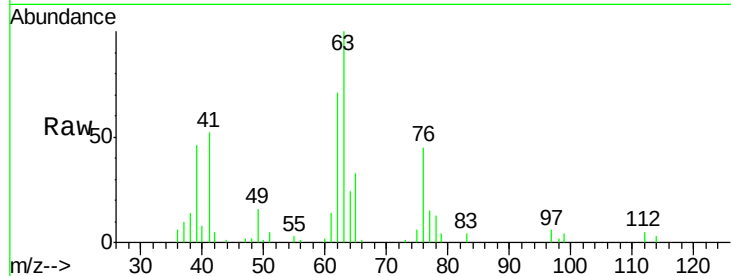
#45
 1,2-Dichloropropane
 Concen: 19.481 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	63	Resp	34866
Ion Ratio	100	Lower	Upper
63	100		
65	33.0	25.1	37.7

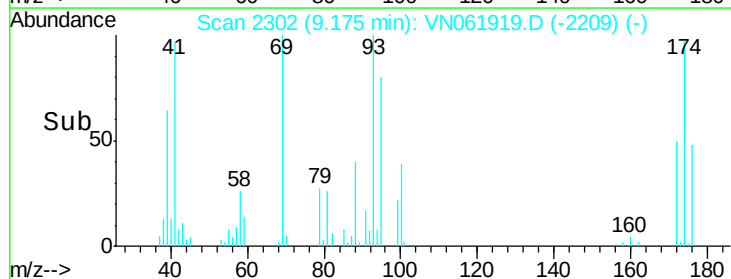
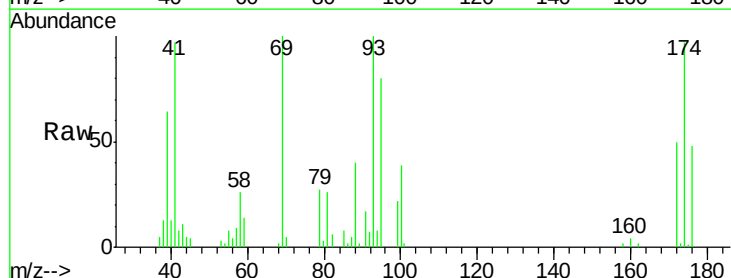
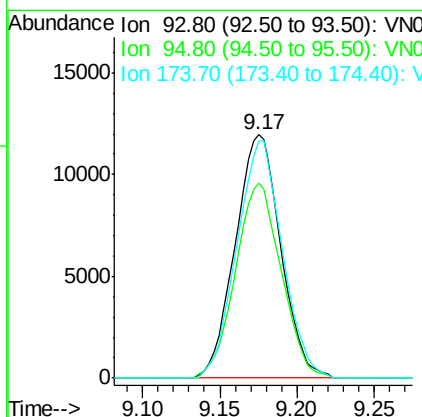
Manual Integrations
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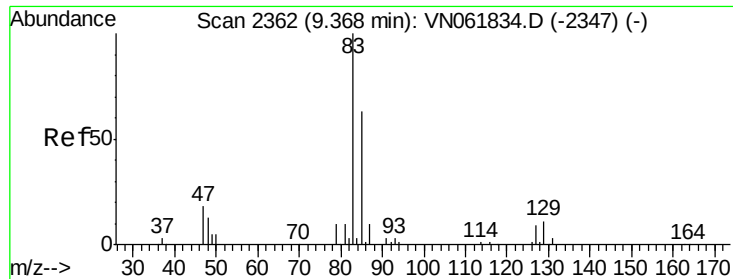
MMDadoda
 6/19/2020 1:02:32 PM



#46
 Dibromomethane
 Concen: 19.369 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	93	Resp	24411
Ion Ratio	100	Lower	Upper
93	100		
95	80.5	65.8	98.6
174	97.3	78.5	117.7





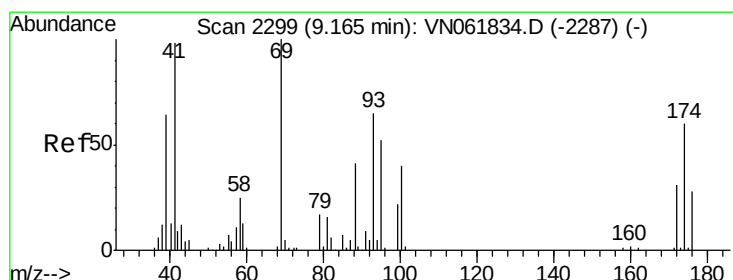
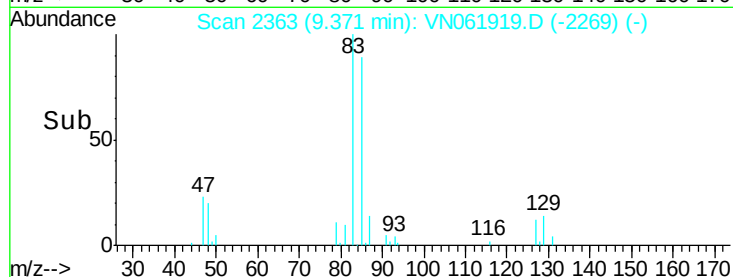
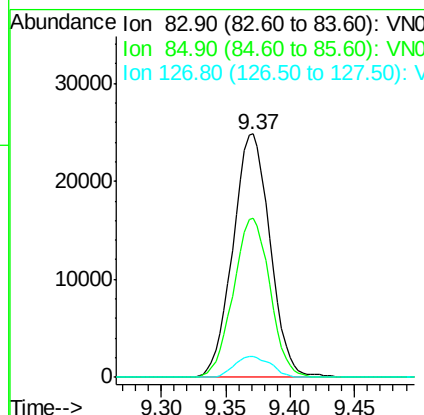
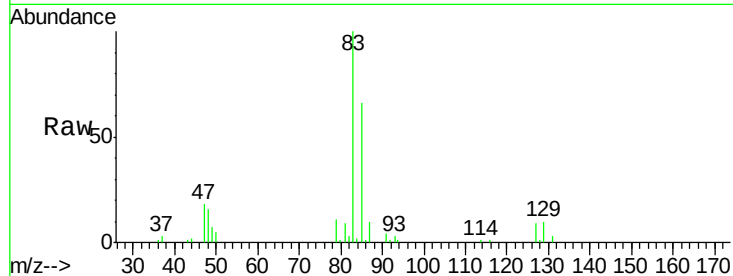
#47
Bromodichloromethane
Concen: 19.309 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	83	Resp	49830
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	50.8	76.2
127	8.8	7.0	10.4

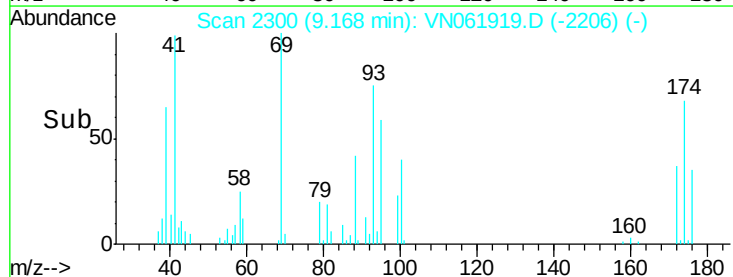
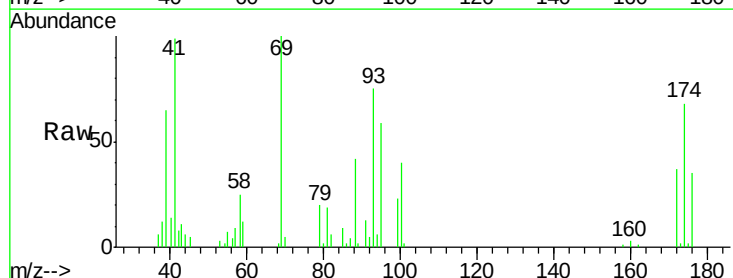
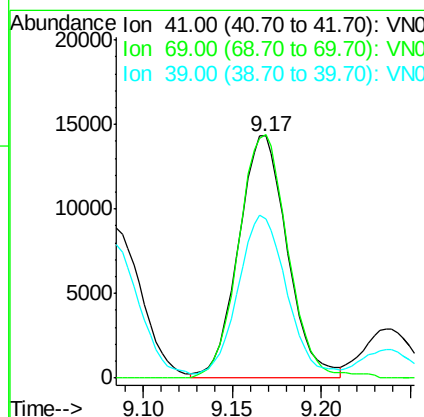
Manual Integrations
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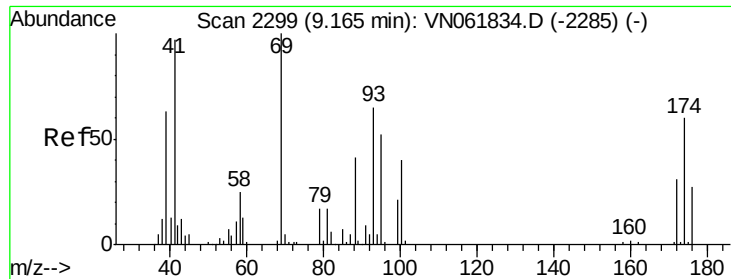
MMDadoda
6/19/2020 1:02:32 PM



#48
Methyl methacrylate
Concen: 19.108 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	41	Resp	27493
Ion Ratio	100	Lower	Upper
41	100		
69	101.1	83.0	124.4
39	67.6	55.1	82.7





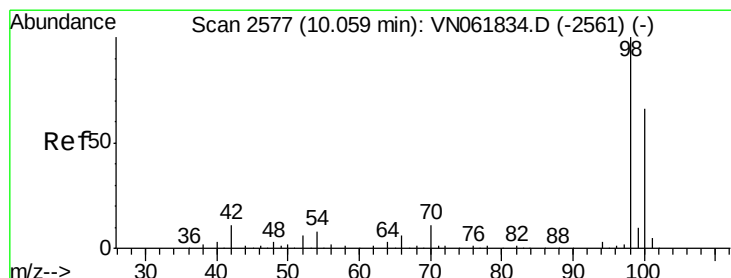
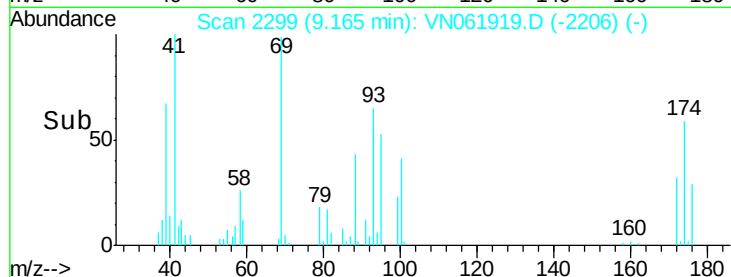
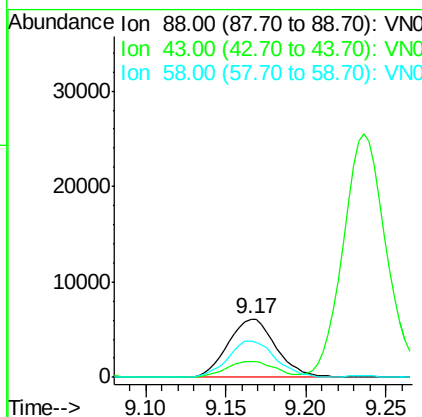
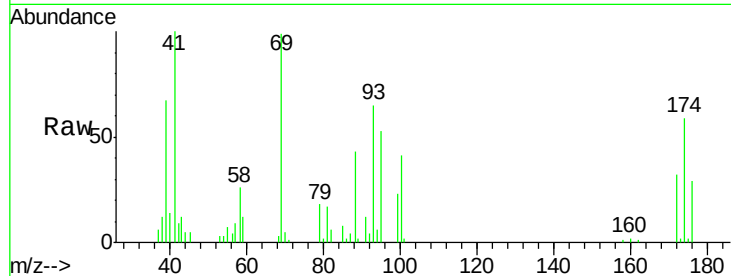
#49
1,4-Dioxane
Concen: 378.954 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.4	35.2
58	61.3	49.8	74.6

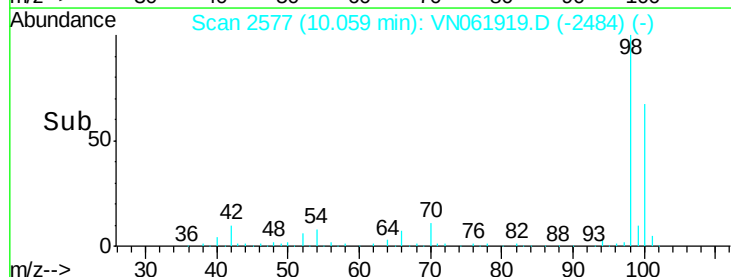
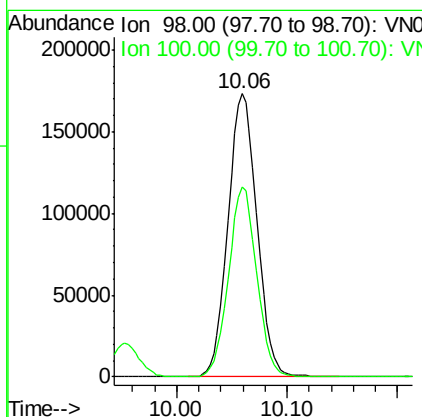
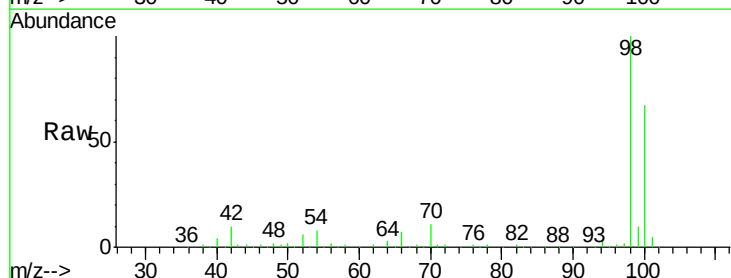
Manual Integrations
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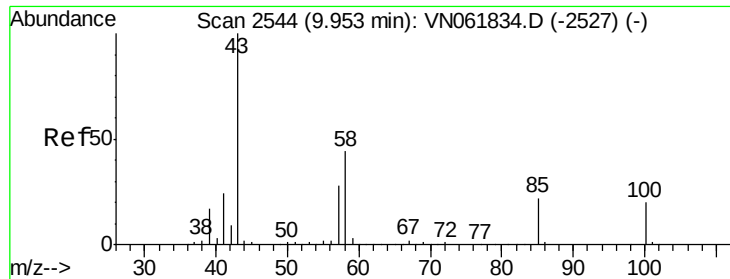
MMDadoda
6/19/2020 1:02:32 PM



#50
Toluene-d8
Concen: 47.636 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





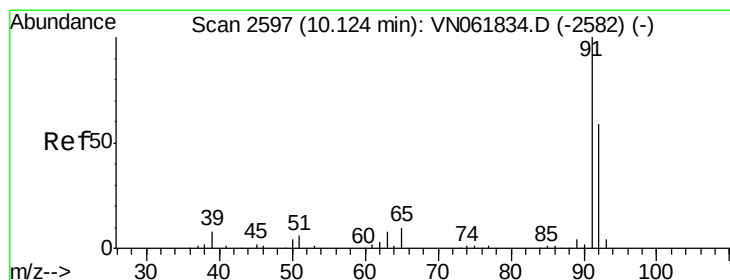
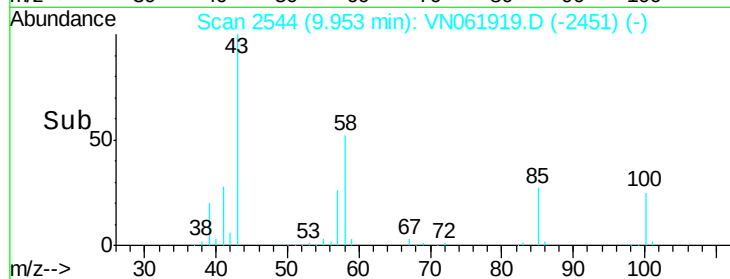
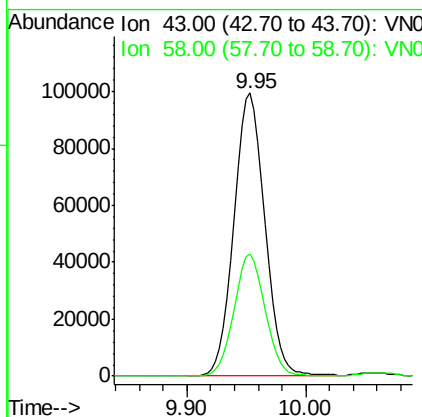
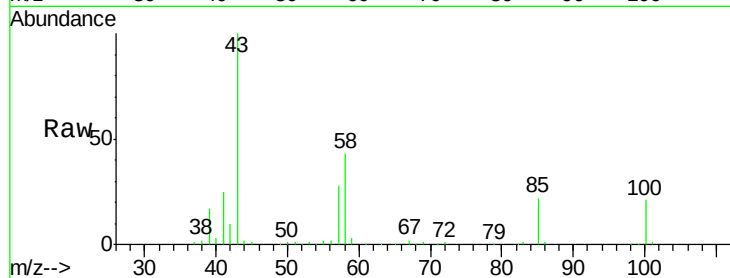
#51
4-Methyl-2-Pentanone
Concen: 96.117 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 43 Resp: 179701
Ion Ratio Lower Upper
43 100
58 43.3 34.6 52.0

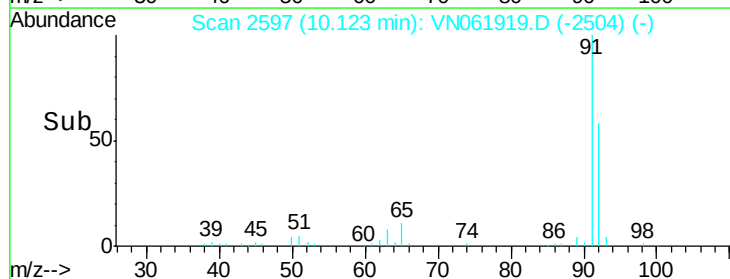
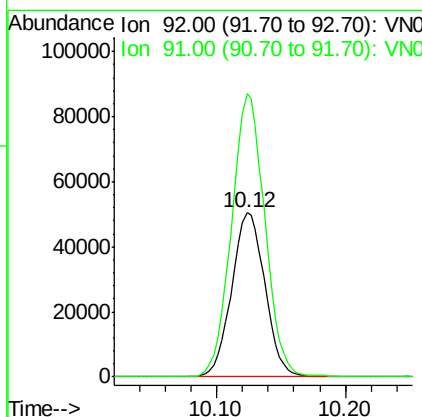
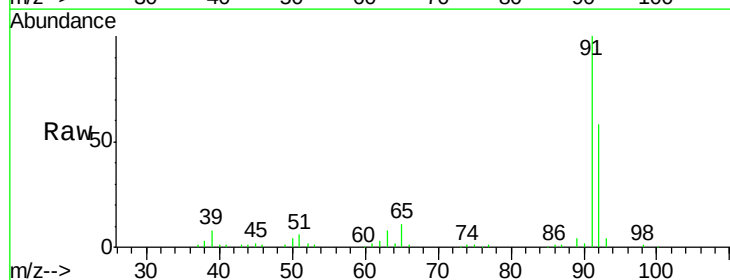
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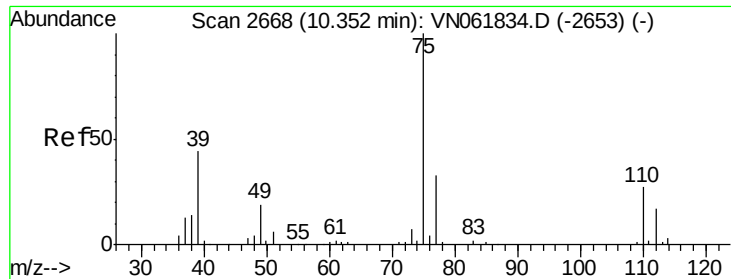
MMDadoda
6/19/2020 1:02:32 PM



#52
Toluene
Concen: 19.761 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 92 Resp: 90382
Ion Ratio Lower Upper
92 100
91 172.9 137.1 205.7





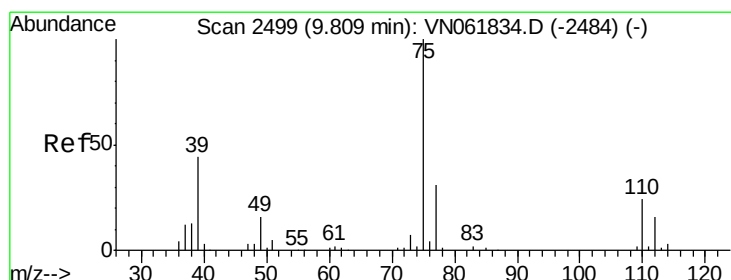
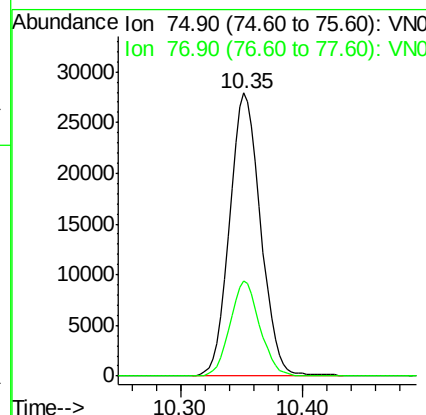
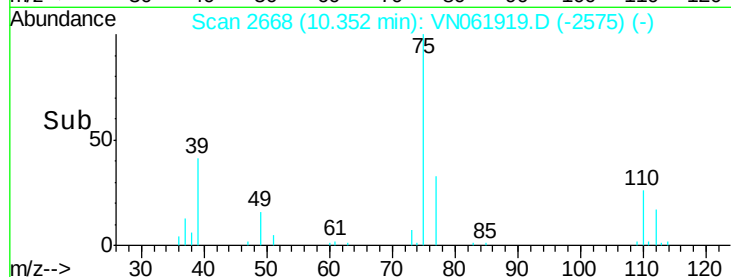
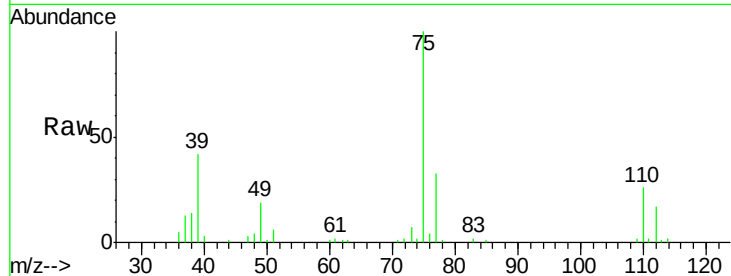
#53
t-1,3-Dichloropropene
Concen: 18.154 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 75 Resp: 49734
Ion Ratio Lower Upper
75 100
77 33.5 26.3 39.5

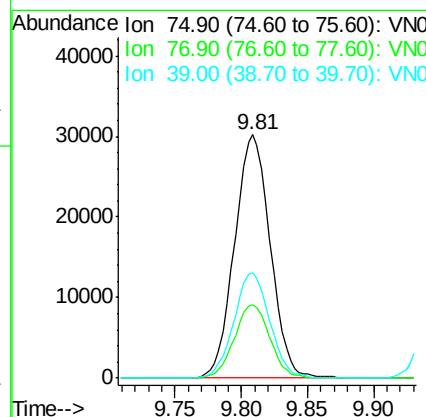
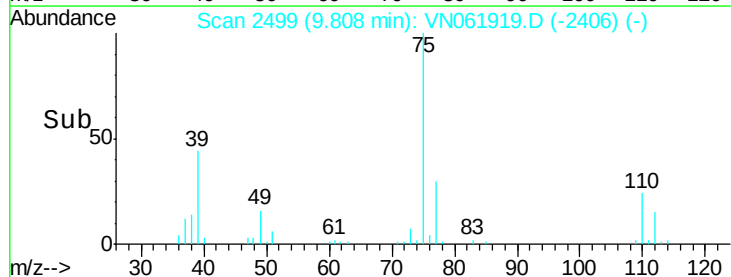
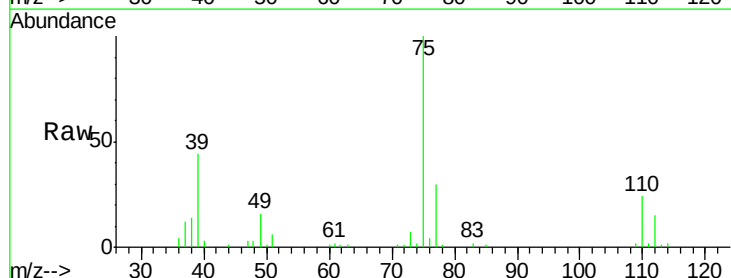
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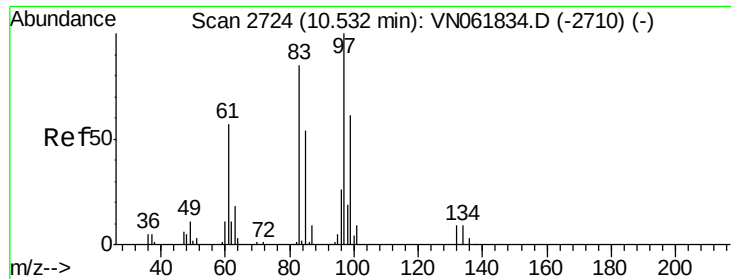
MMDadoda
6/19/2020 1:02:32 PM



#54
cis-1,3-Dichloropropene
Concen: 18.977 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 75 Resp: 56469
Ion Ratio Lower Upper
75 100
77 30.4 24.8 37.2
39 43.5 35.4 53.0





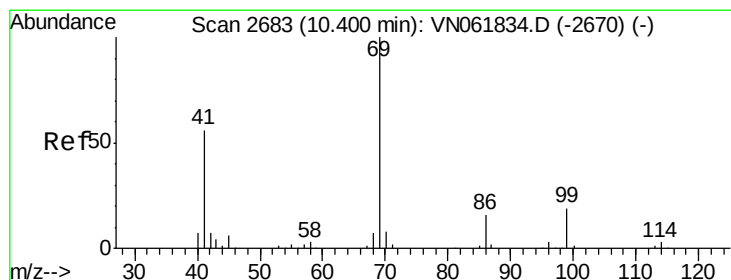
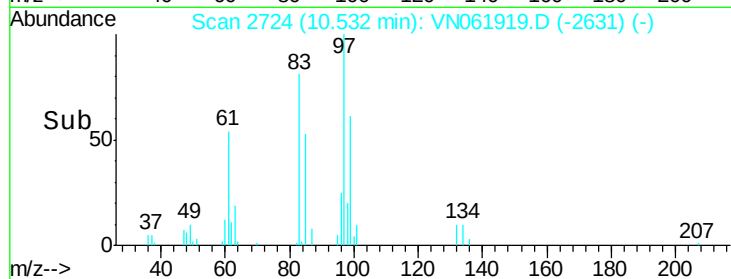
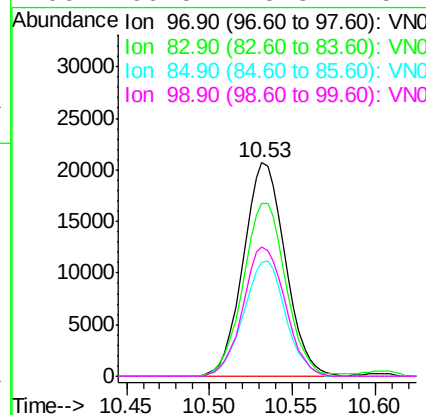
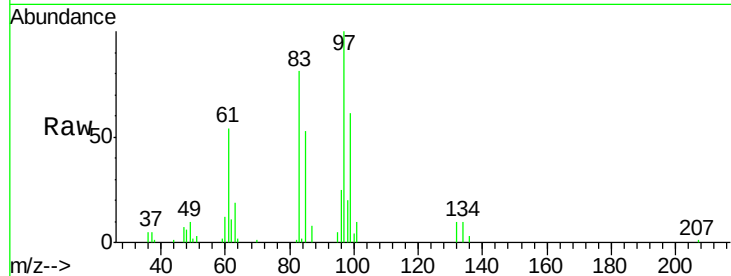
#55
 1,1,2-Trichloroethane
 Concen: 20.279 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	36493		
83	83	81.0		67.7	101.5
85	85	53.4		43.4	65.0
99	99	60.8		48.8	73.2

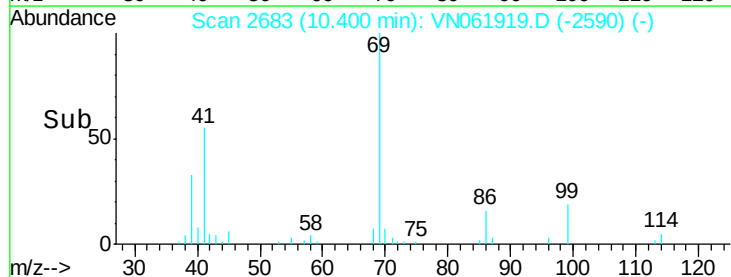
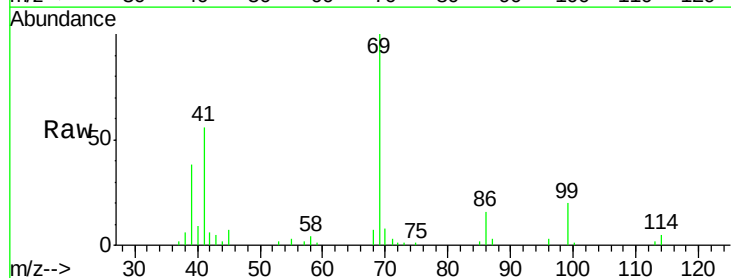
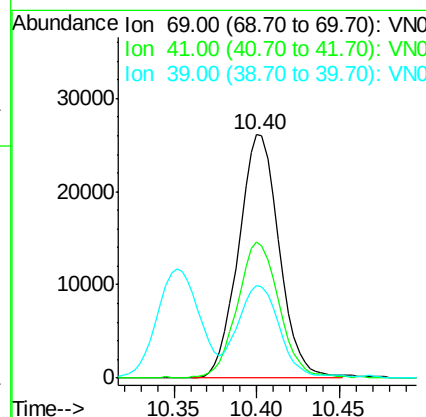
Manual Integrations
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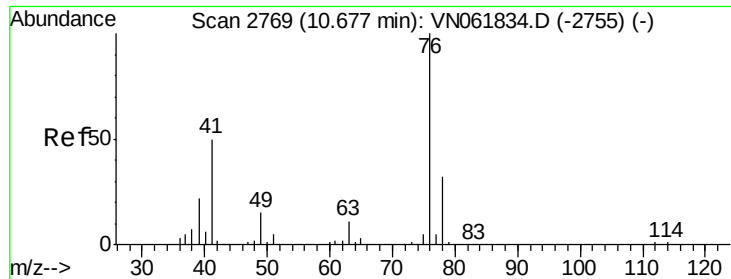
MMDadoda
 6/19/2020 1:02:32 PM



#56
 Ethyl methacrylate
 Concen: 18.179 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	44578		
41	41	57.8		44.9	67.3
39	39	38.2		30.0	45.0





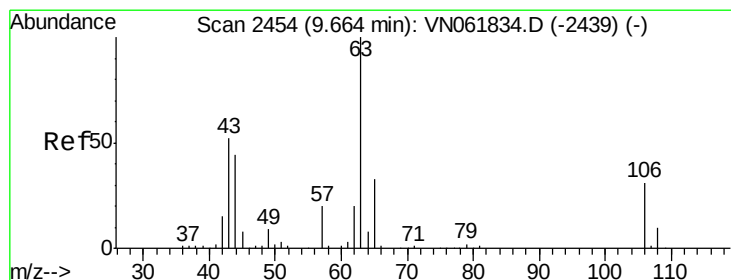
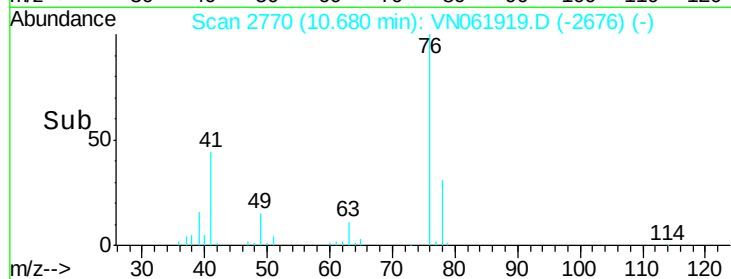
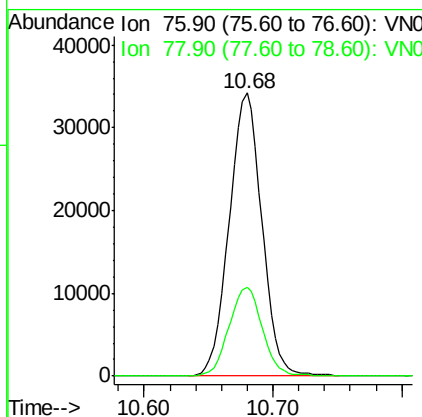
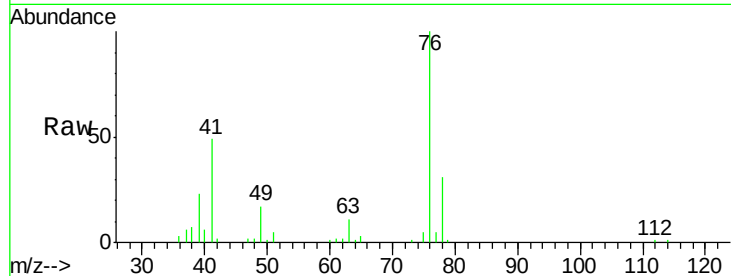
#57
 1,3-Dichloropropane
 Concen: 19.742 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion: 76 Resp: 60186
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

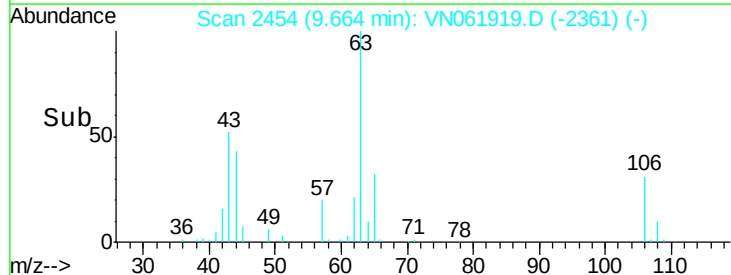
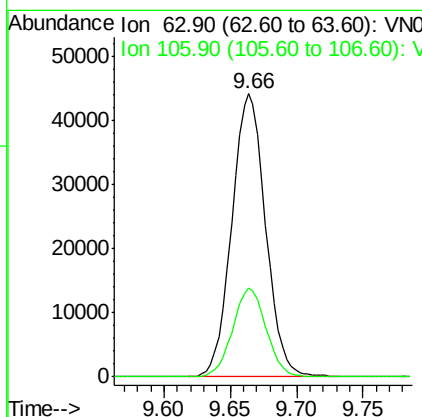
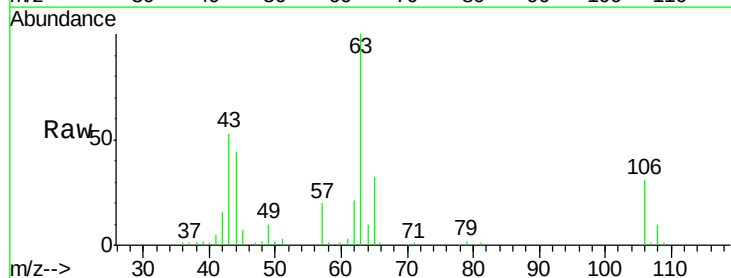
Manual Integrations
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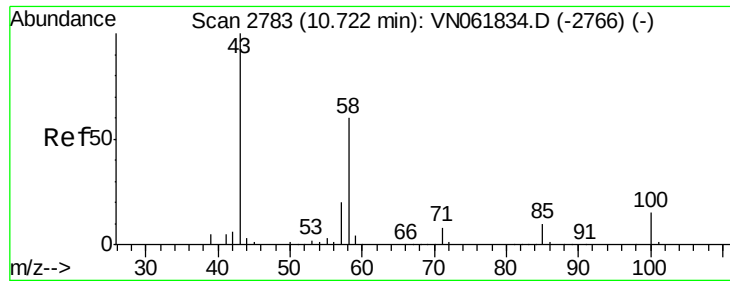
MMDadoda
 6/19/2020 1:02:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.091 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 63 Resp: 77964
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.6 36.8





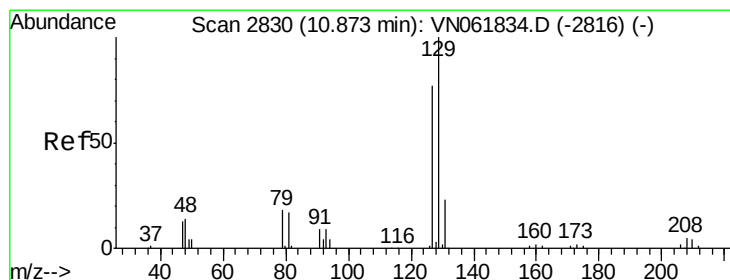
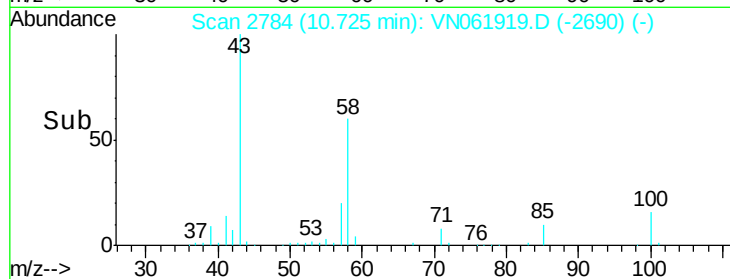
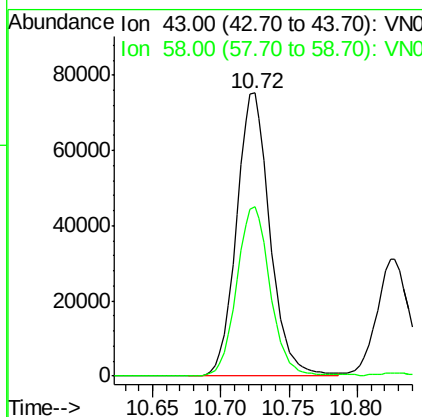
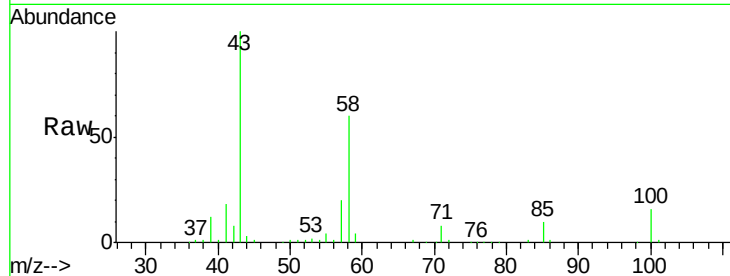
#59
2-Hexanone
Concen: 94.704 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	30.1	90.5

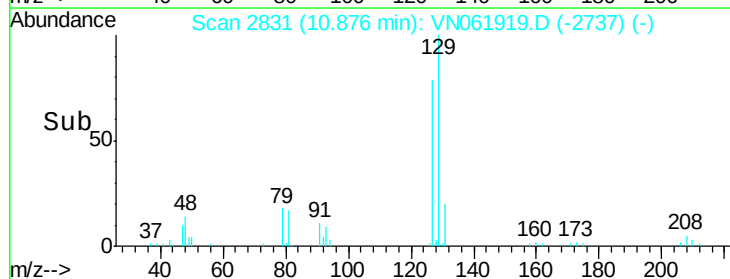
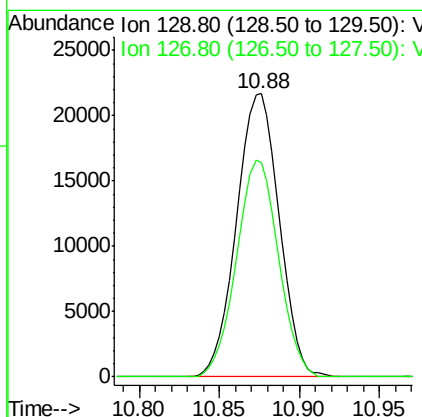
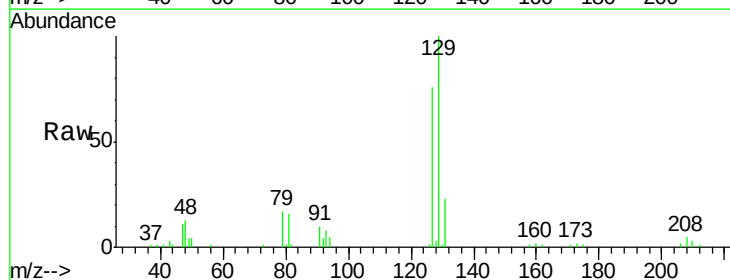
Manual Integrations
APPROVED

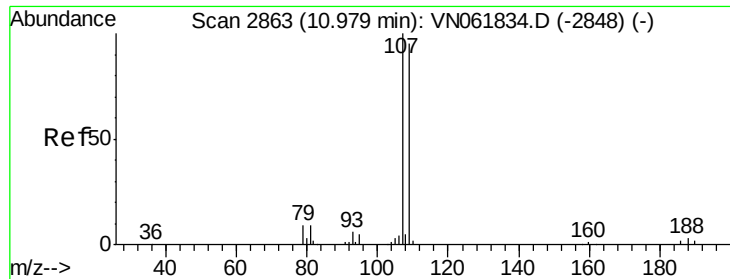
MMDadoda
6/19/2020 1:02:32 PM



#60
Dibromochloromethane
Concen: 19.611 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.5	115.5





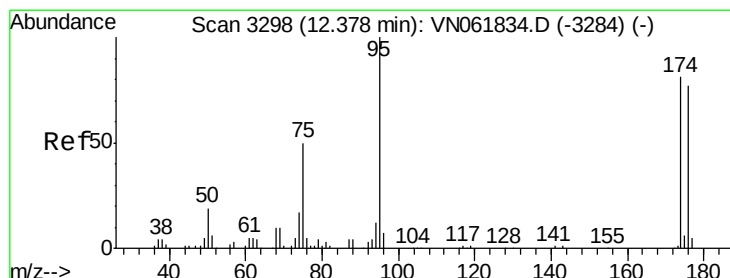
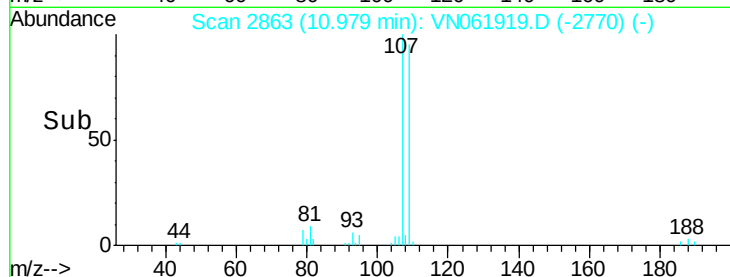
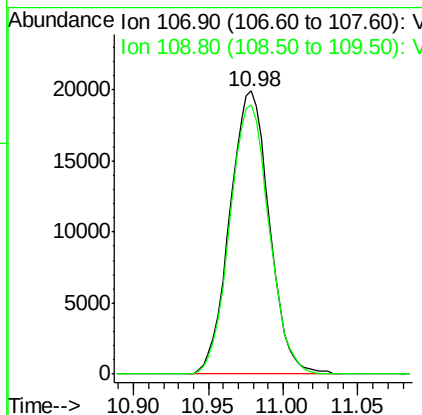
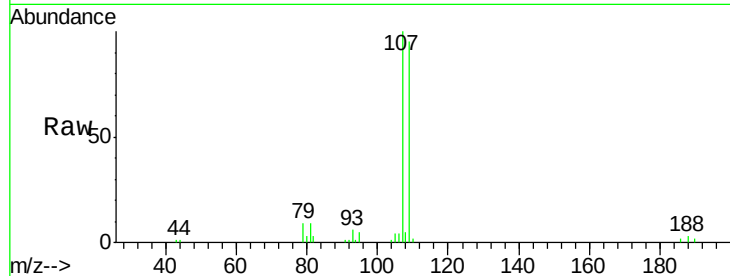
#61
 1,2-Dibromoethane
 Concen: 19.471 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion: 107 Resp: 36588
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6

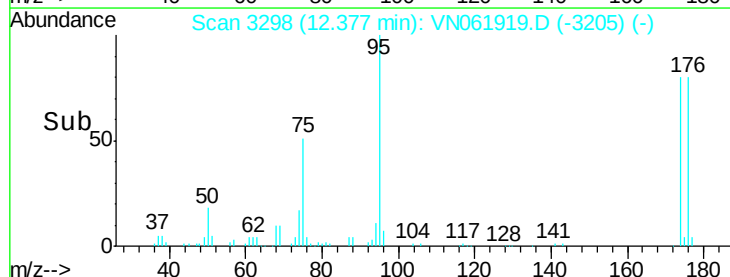
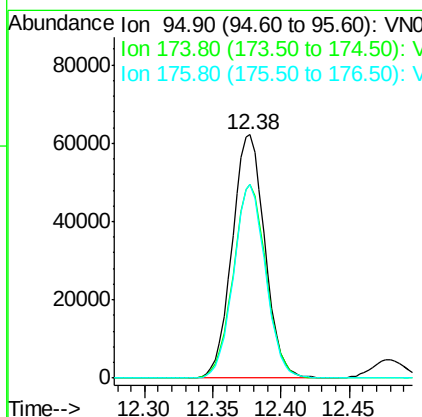
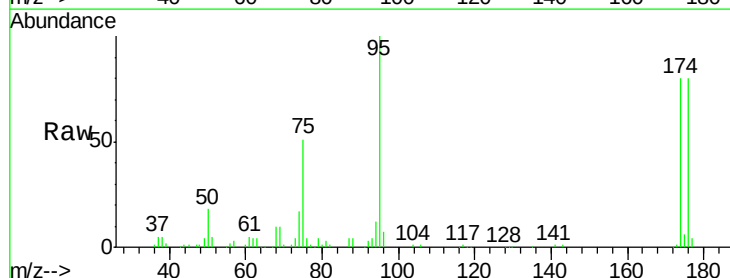
Manual Integrations
 APPROVED

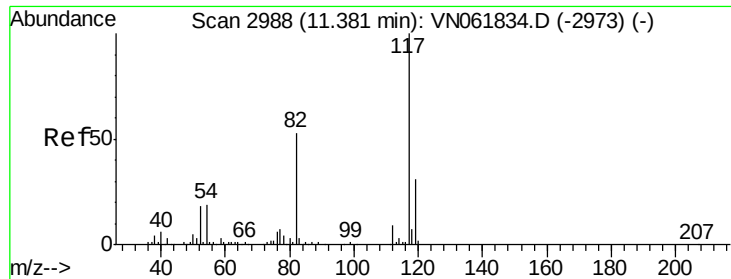
MMDadoda
 6/19/2020 1:02:32 PM



#62
 4-Bromofluorobenzene
 Concen: 45.562 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 95 Resp: 103605
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 158.6
 176 77.7 0.0 152.0





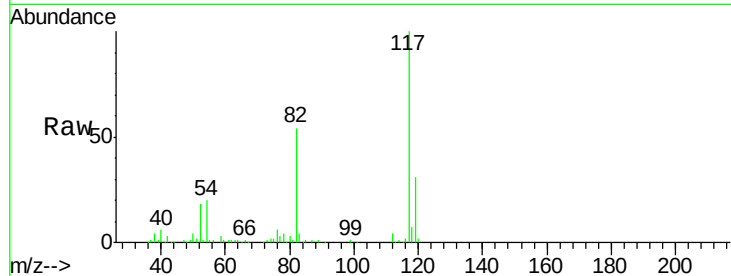
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245602		
82	54.1		42.6	64.0
119	31.5		24.7	37.1

Manual Integrations
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MMDadoda
6/19/2020 1:02:32 PM

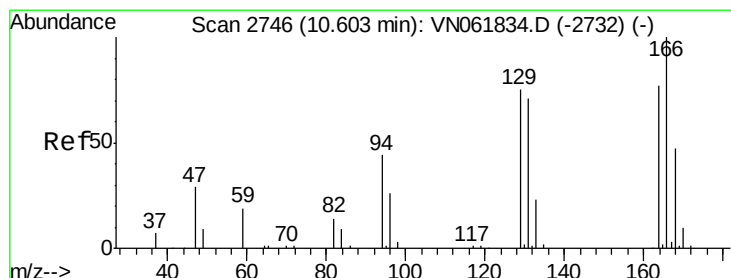
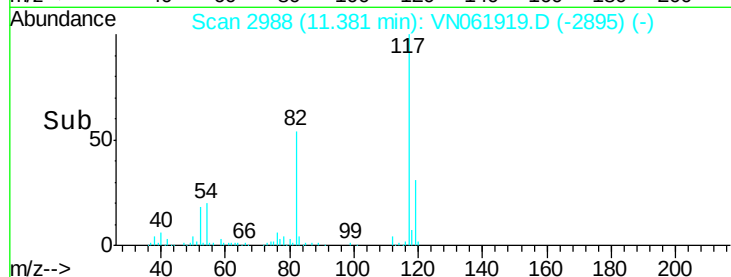
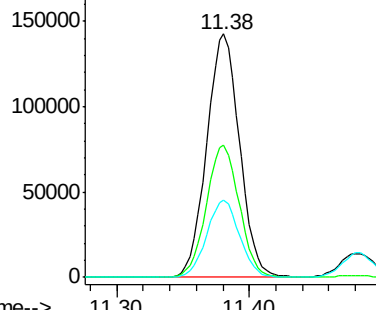


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30756		
166	126.3		103.5	155.3
129	95.1		77.5	116.3
131	91.3		73.8	110.8

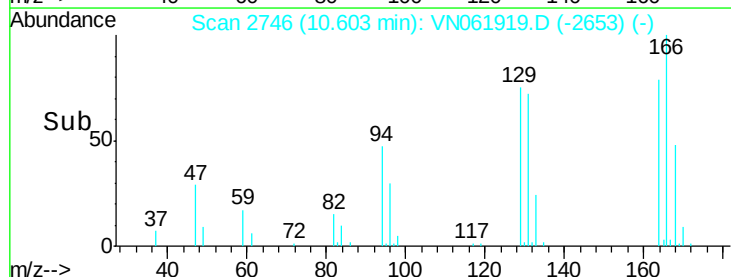
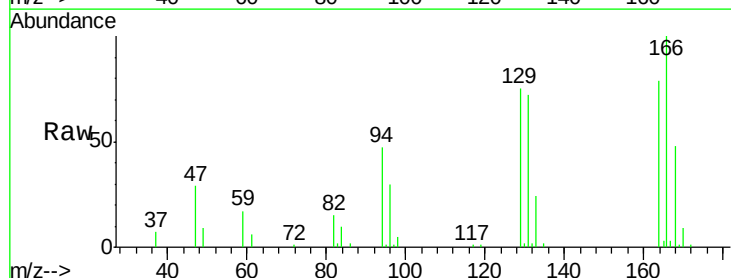
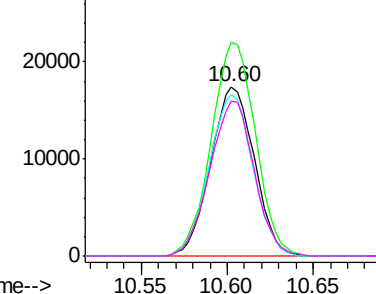
Abundance

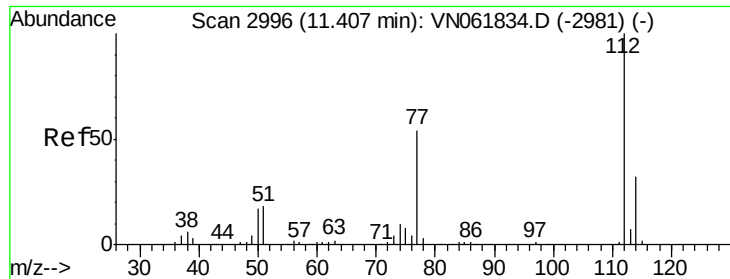
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





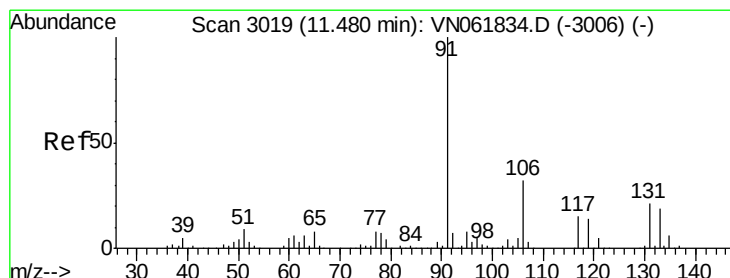
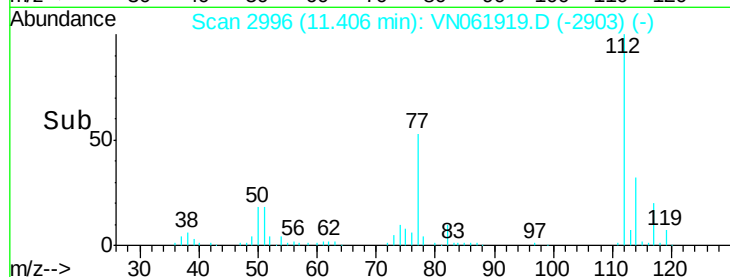
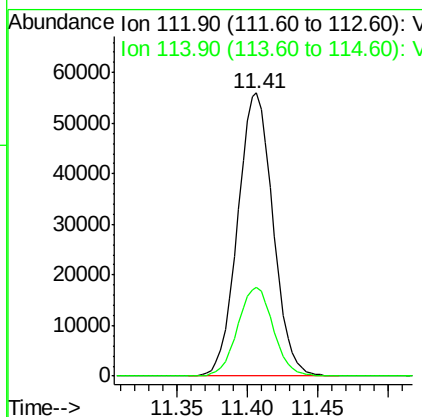
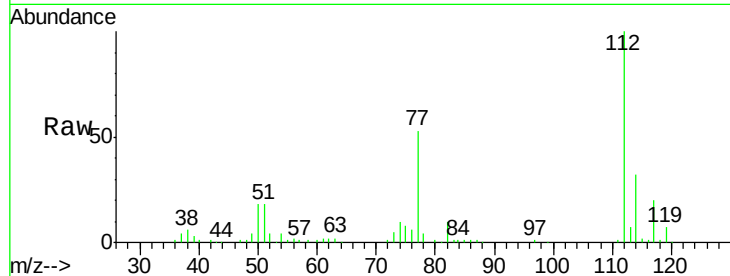
#65
Chlorobenzene
Concen: 18.936 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion:112 Resp: 98133
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

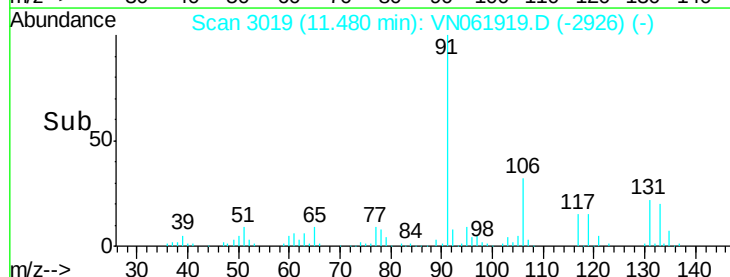
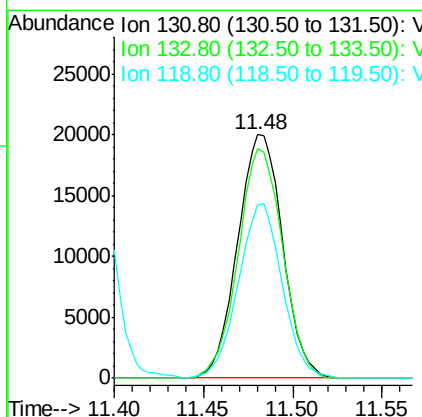
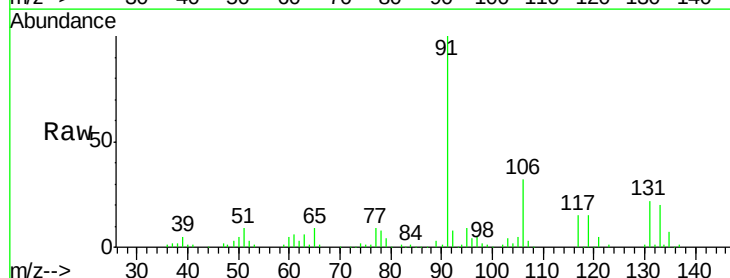
Manual Integrations
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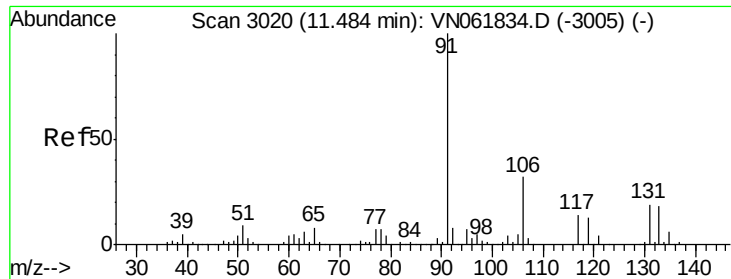
MMDadoda
6/19/2020 1:02:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.443 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion:131 Resp: 35142
Ion Ratio Lower Upper
131 100
133 93.3 47.5 142.5
119 69.7 34.0 101.8





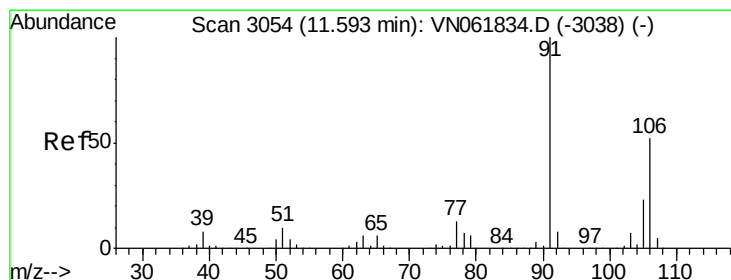
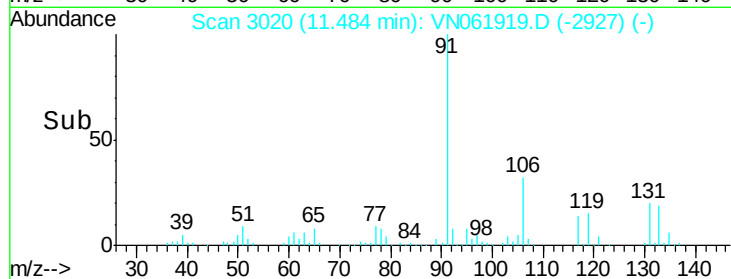
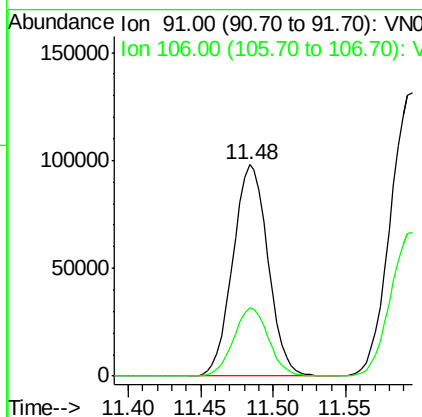
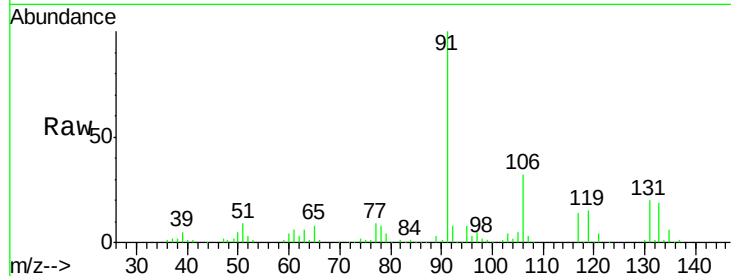
#67
Ethyl Benzene
Concen: 19.026 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 91 Resp: 165316
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

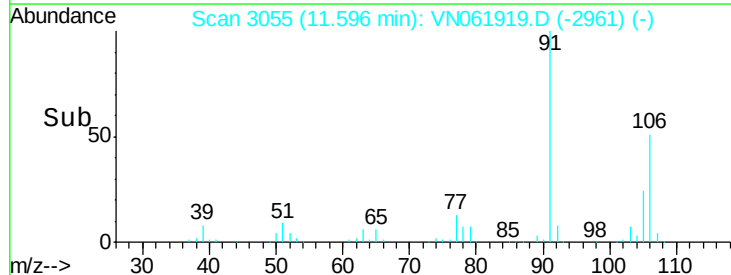
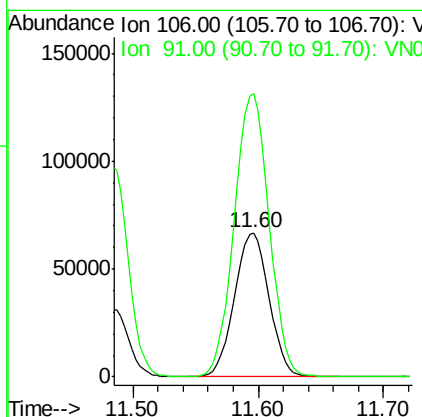
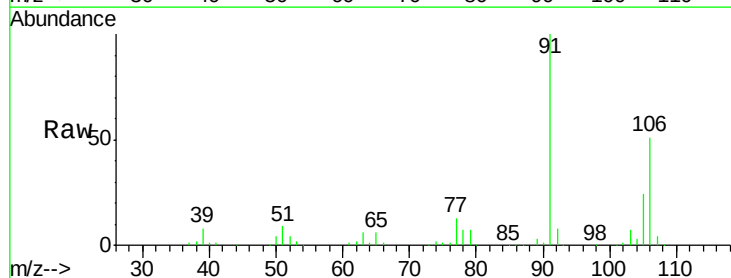
Manual Integrations
APPROVED

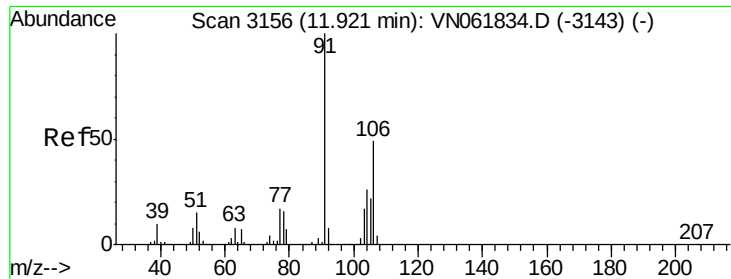
MMDadoda
6/19/2020 1:02:32 PM



#68
m/p-Xylenes
Concen: 38.194 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 106 Resp: 127968
Ion Ratio Lower Upper
106 100
91 198.6 157.0 235.6





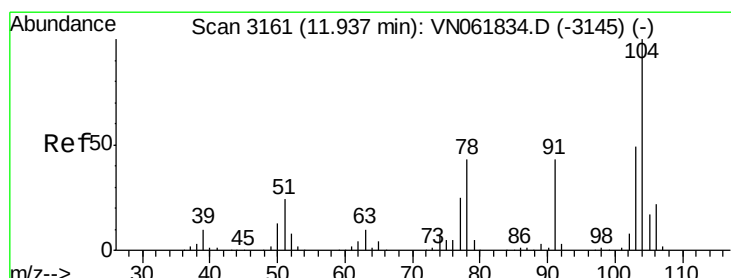
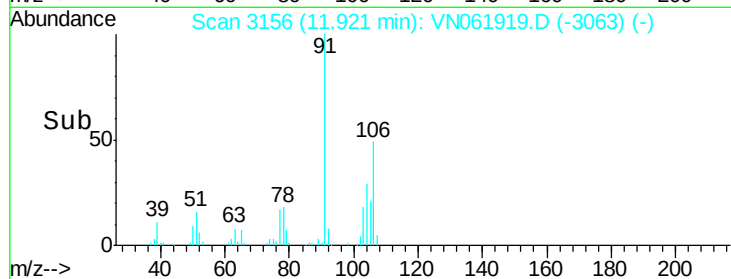
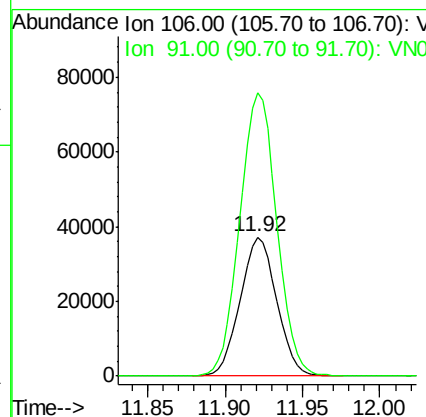
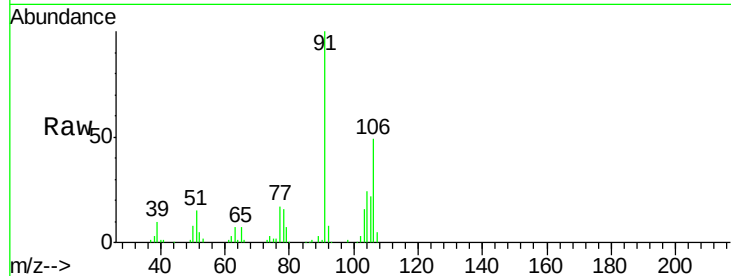
#69
o-Xylene
Concen: 19.123 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.3	103.0	308.9	

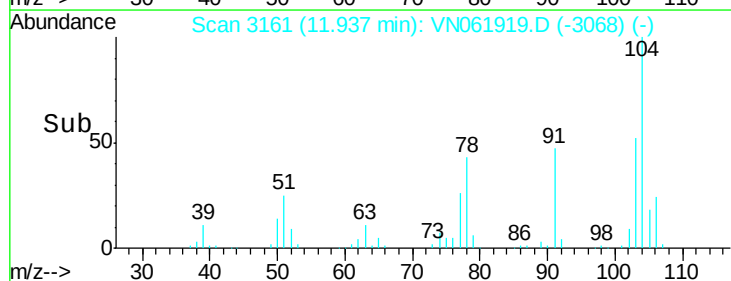
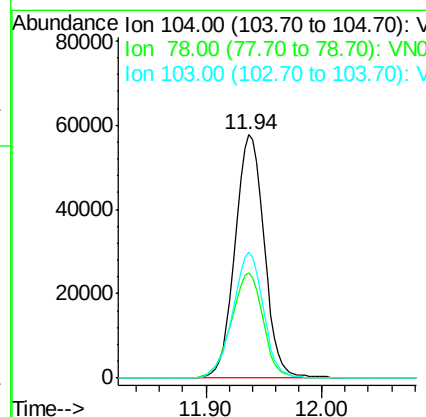
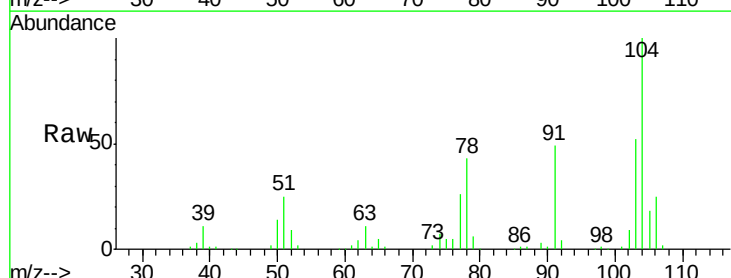
Manual Integrations
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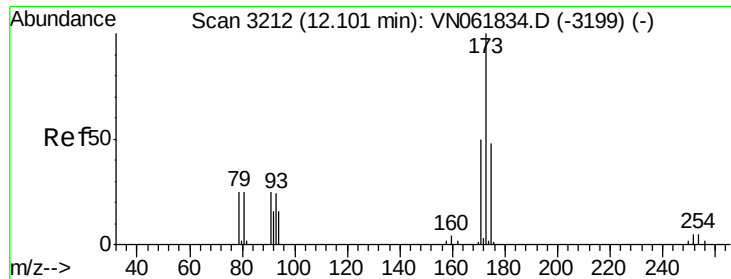
MMDadoda
6/19/2020 1:02:32 PM



#70
Styrene
Concen: 18.715 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.6	56.4	
103	54.3	43.0	64.4	





#71

Bromoform

Concen: 19.128 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

Tot Ion:173 Resp: 25208

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.7

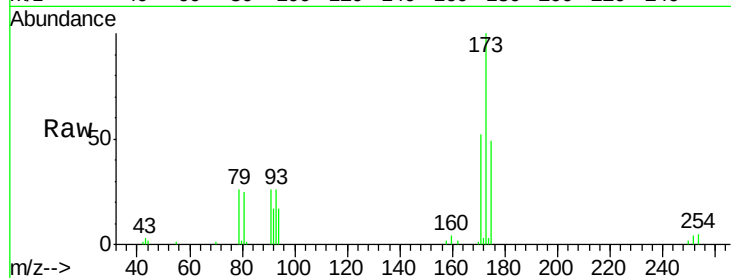
254 0.0 0.0 0.0

Manual Integrations

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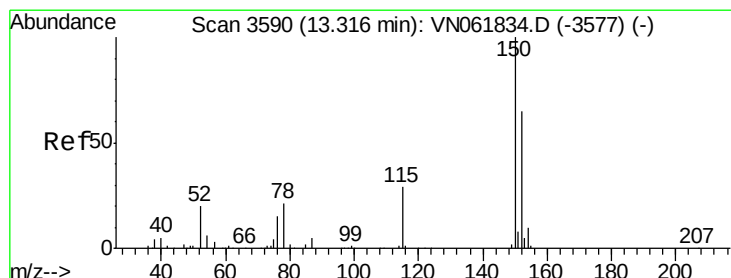
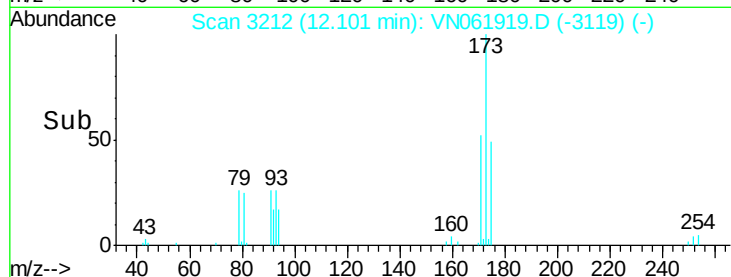
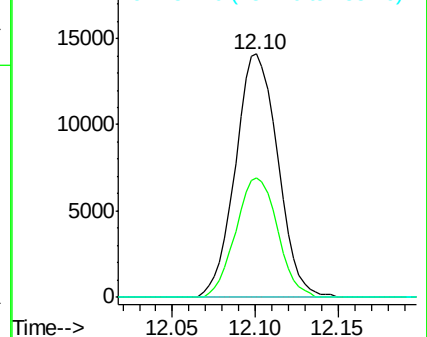
6/19/2020 1:02:32 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

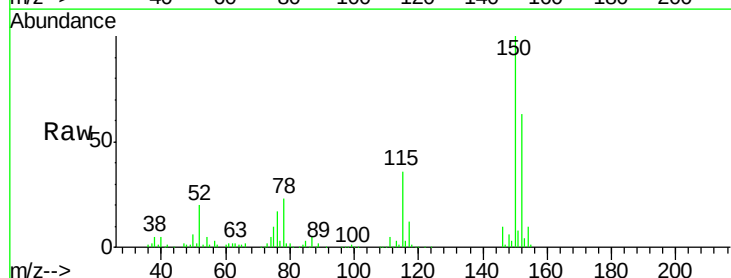
Tgt Ion:152 Resp: 111444

Ion Ratio Lower Upper

152 100

115 59.6 29.1 87.3

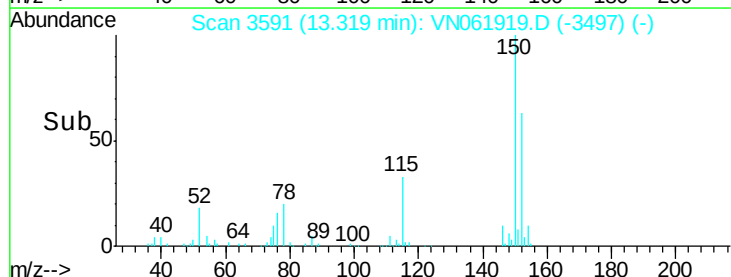
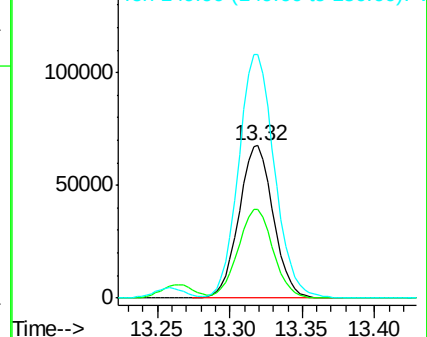
150 167.2 0.0 347.6

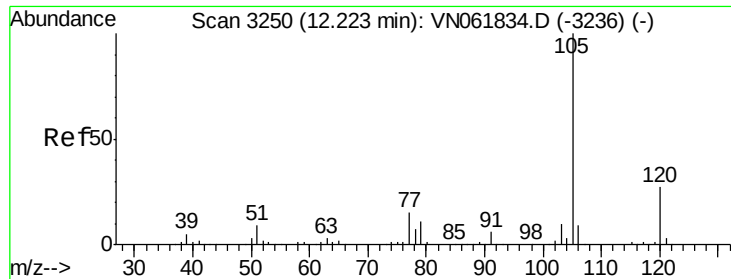


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.130 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 105 Resp: 159416

Ion Ratio Lower Upper

105 100

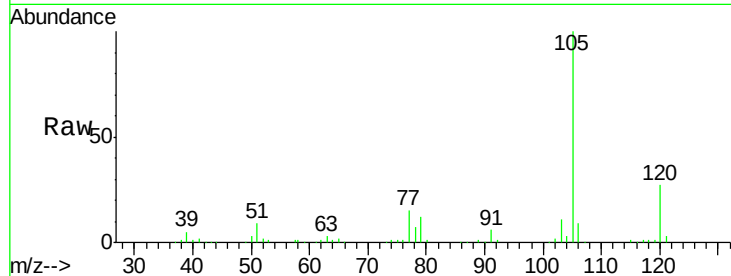
120 26.9 13.3 39.8

Manual Integrations

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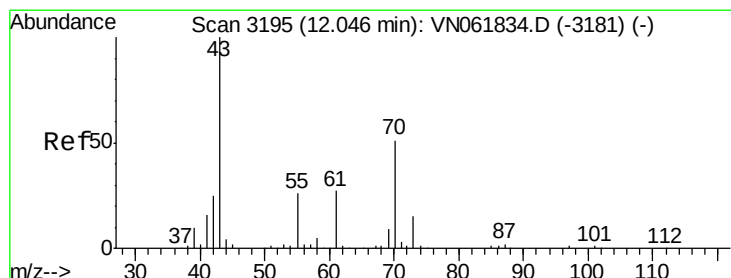
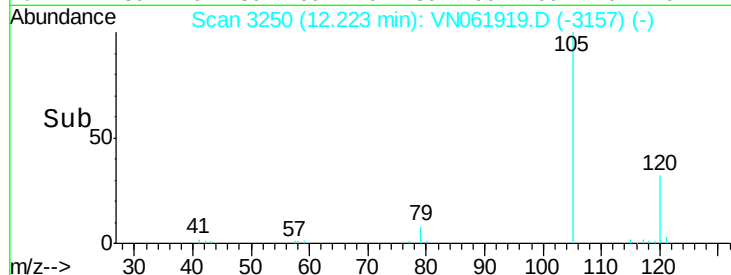
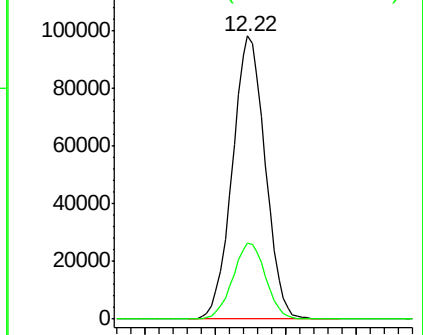
MMDadoda

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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: 18.893 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Tgt Ion: 43 Resp: 48361

Ion Ratio Lower Upper

43 100

70 50.0 40.6 60.8

55 29.9 21.5 32.3

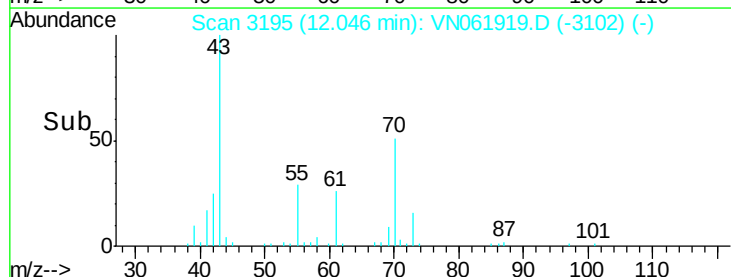
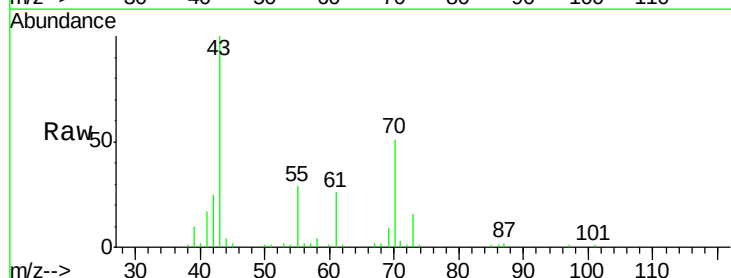
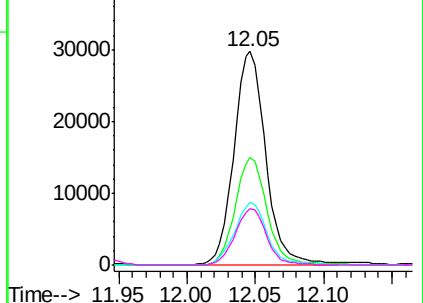
61 25.8 21.6 32.4

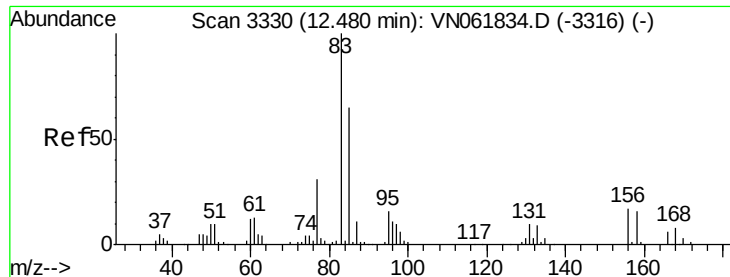
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.313 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

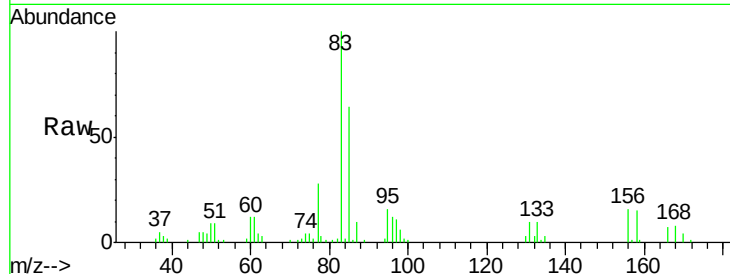
ClientSampleId :

VN0618WBS02

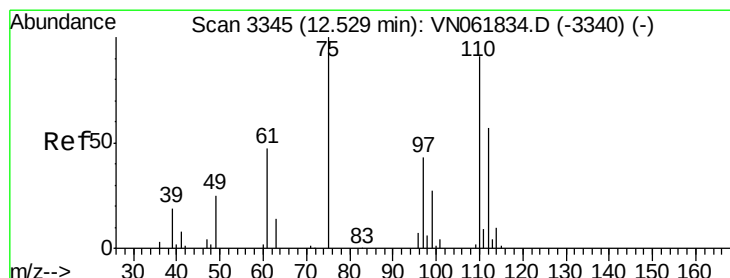
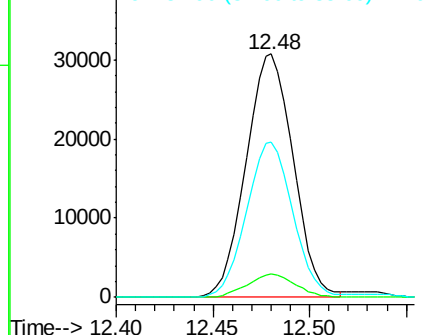
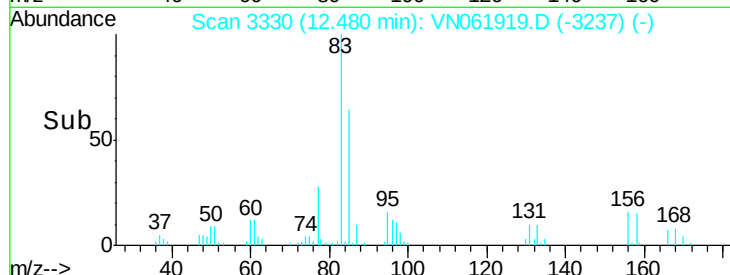
Tot Ion:	83	Resp:	52300
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	62.5	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VN061919.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 19.100 ug/l m

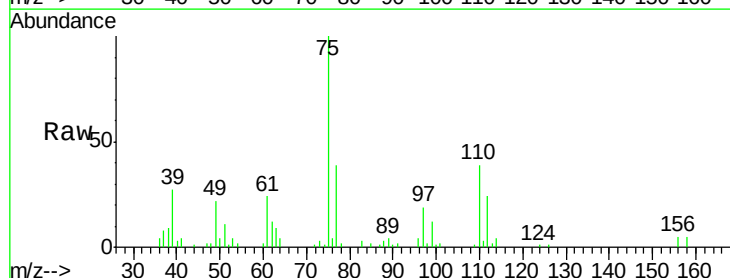
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

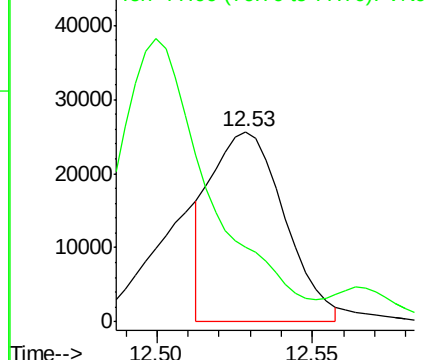
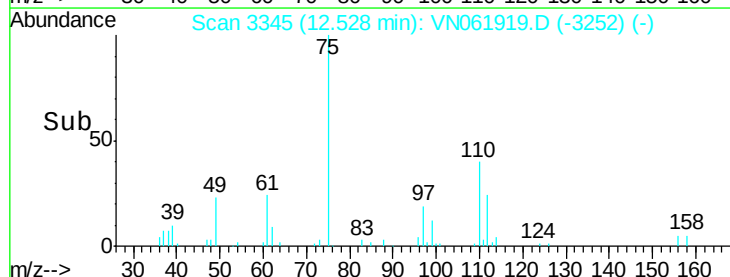
Lab File: VN061919.D

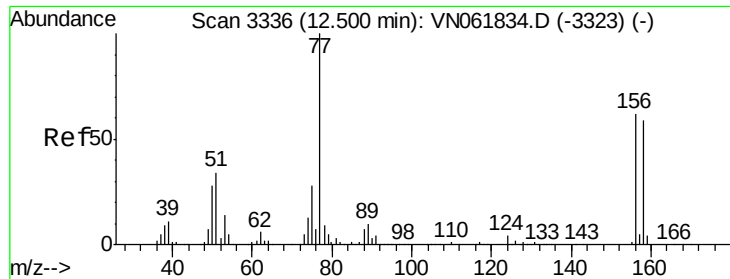
Acq: 19 Jun 2020 00:05

Tgt Ion:	75	Resp:	41789
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061919.D (-3252) (-)





#77

Bromobenzene

Concen: 19.833 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:156 Resp: 39626

Ion Ratio Lower Upper

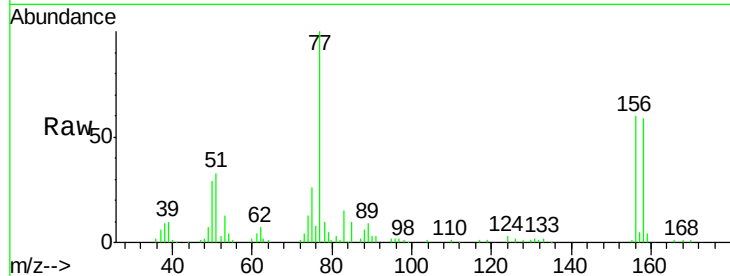
156 100

77 200.3 100.7 302.1

158 97.4 48.5 145.5

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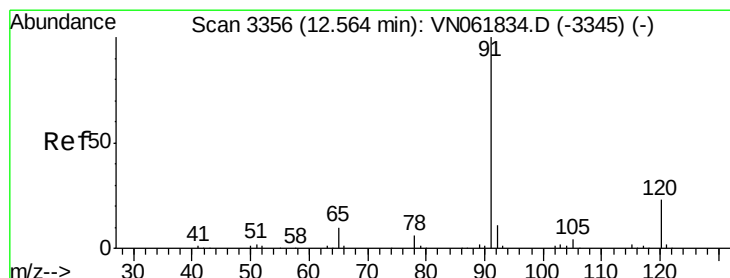
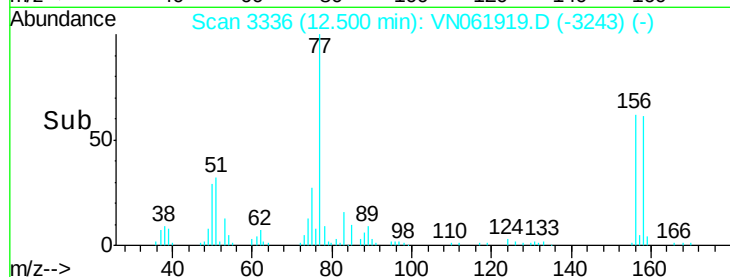
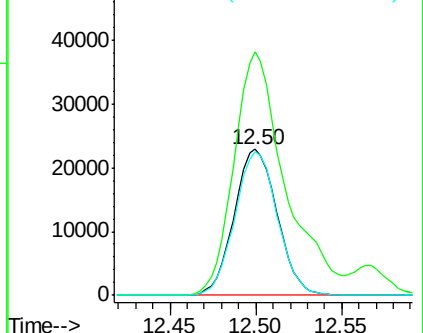
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.832 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061919.D

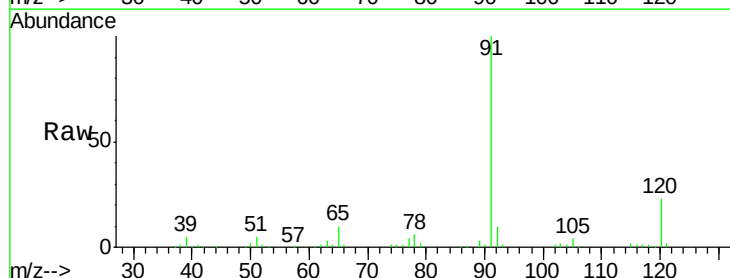
Acq: 19 Jun 2020 00:05

Tgt Ion: 91 Resp: 179207

Ion Ratio Lower Upper

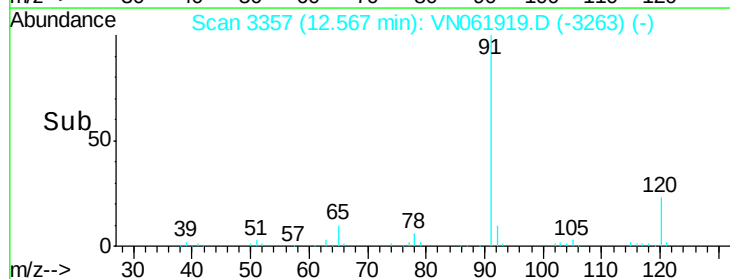
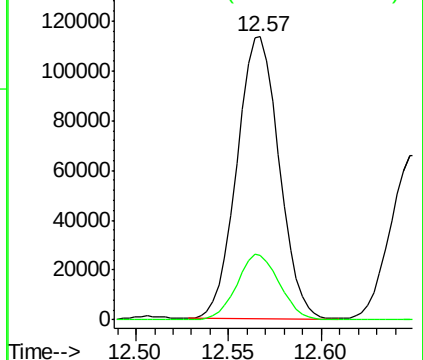
91 100

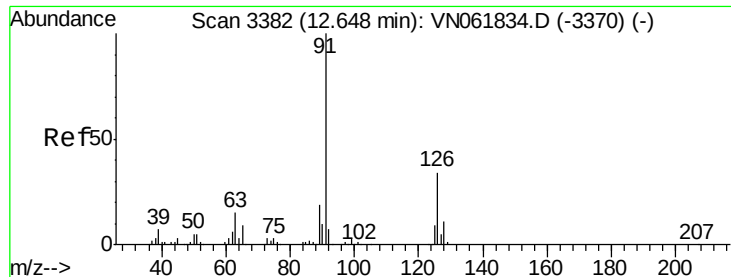
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.911 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 91 Resp: 108058

Ion Ratio Lower Upper

91 100

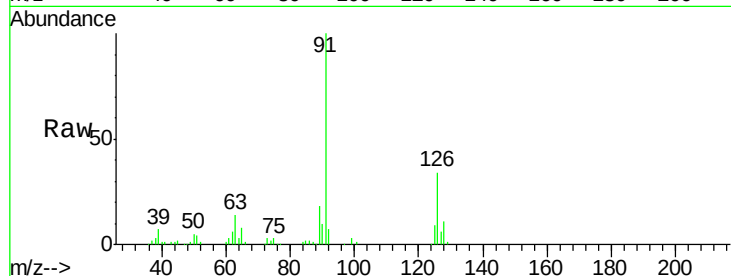
126 35.5 17.3 51.7

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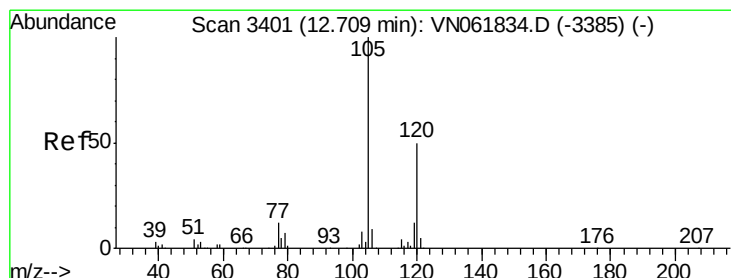
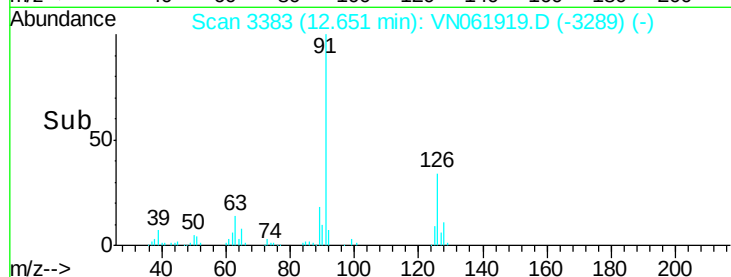
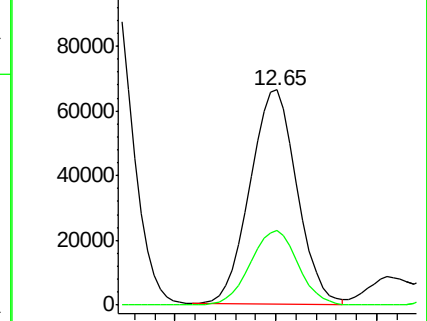
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 20.037 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061919.D

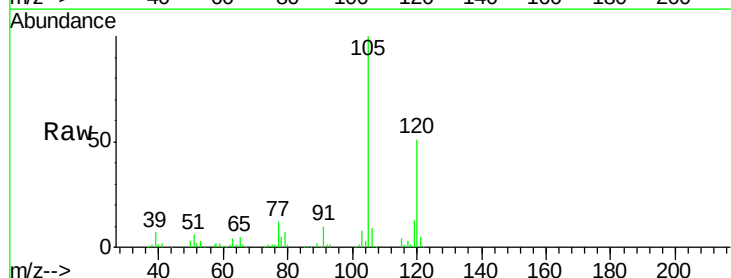
Acq: 19 Jun 2020 00:05

Tgt Ion: 105 Resp: 131282

Ion Ratio Lower Upper

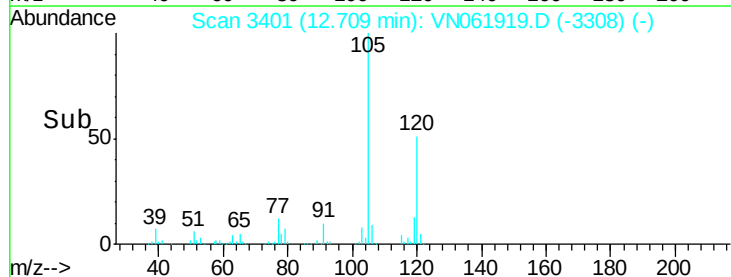
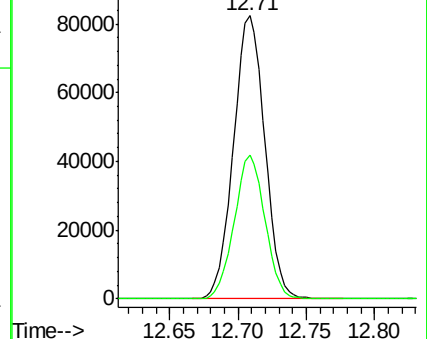
105 100

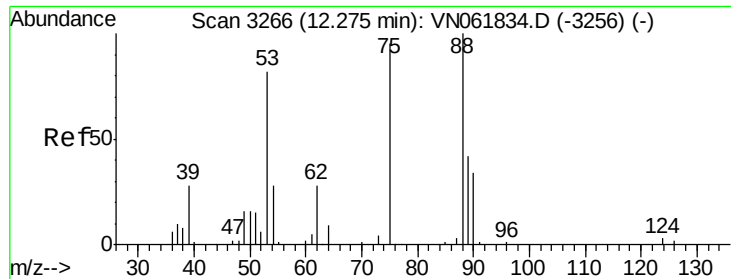
120 49.8 24.9 74.7



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.662 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 75 Resp: 14168

Ion Ratio Lower Upper

75 100

53 91.4 70.4 105.6

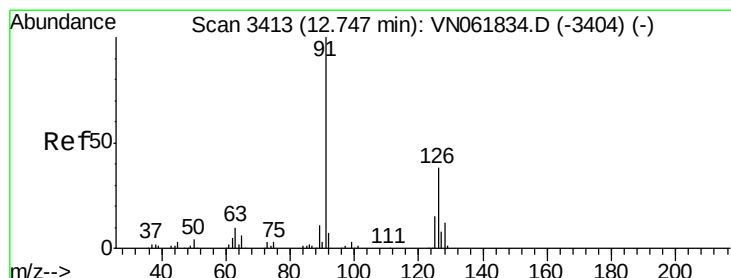
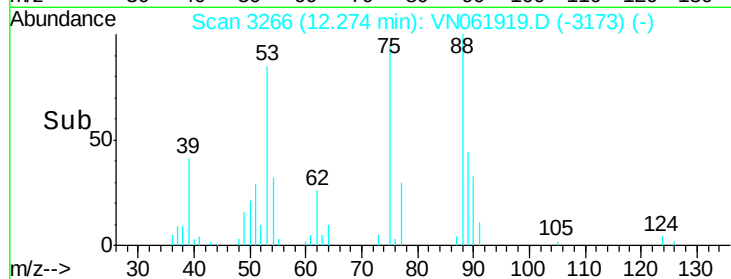
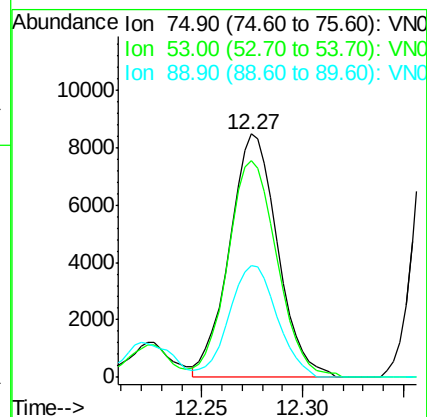
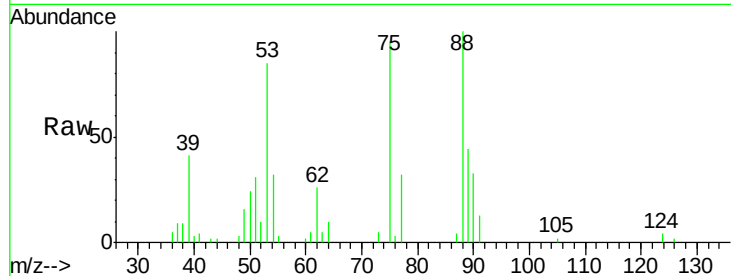
89 45.8 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.976 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061919.D

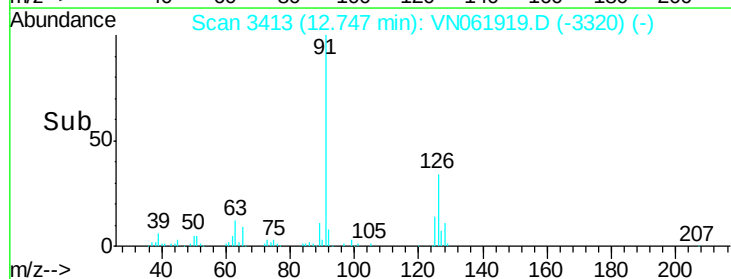
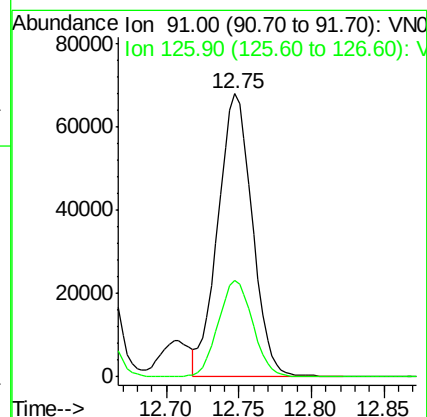
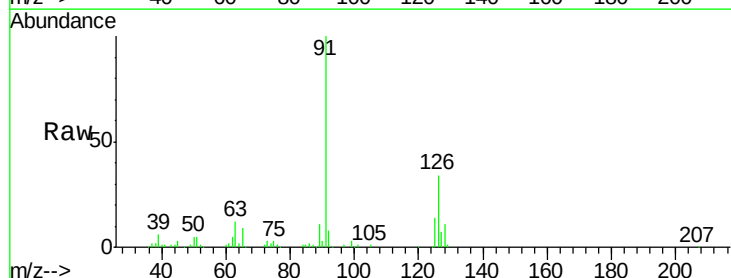
Acq: 19 Jun 2020 00:05

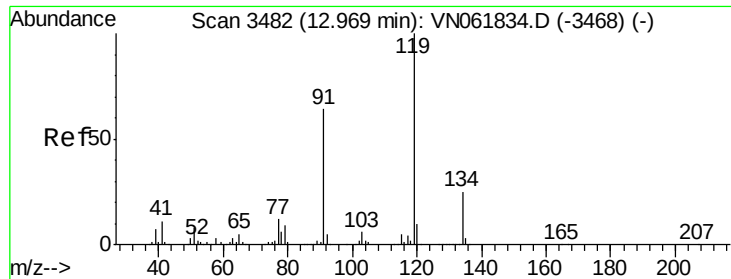
Tgt Ion: 91 Resp: 112022

Ion Ratio Lower Upper

91 100

126 34.2 17.2 51.6





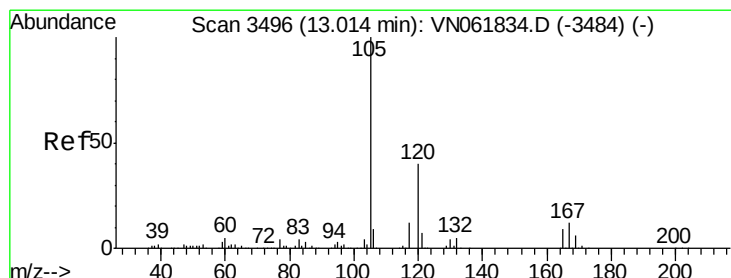
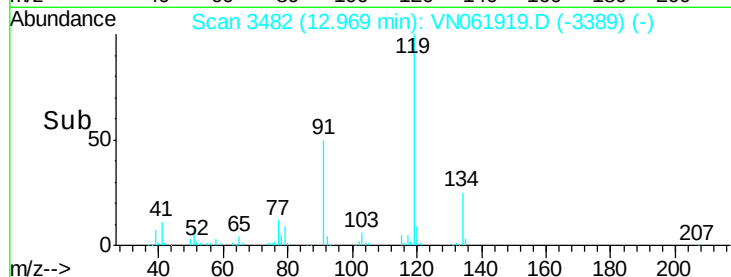
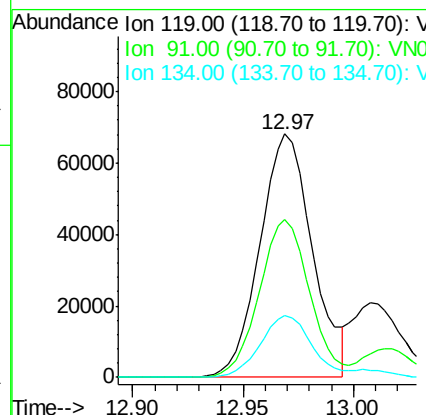
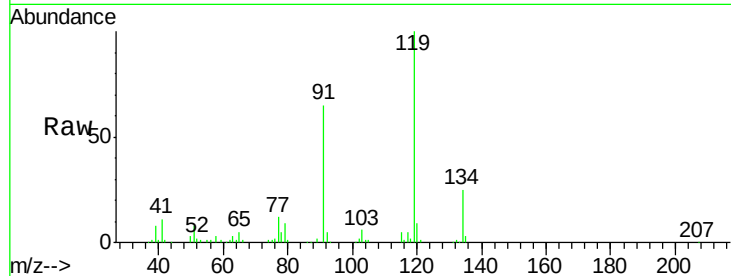
#83
 tert-Butylbenzene
 Concen: 20.212 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	112267		
91	62.4	31.5	94.5	
134	24.9	13.3	39.9	

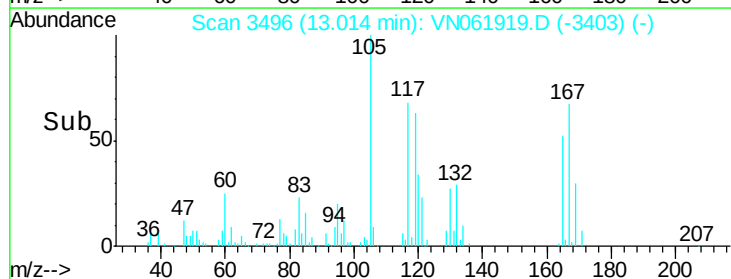
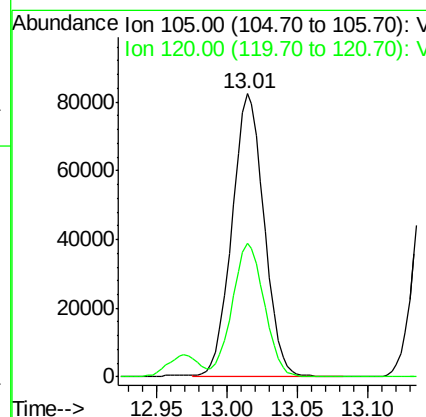
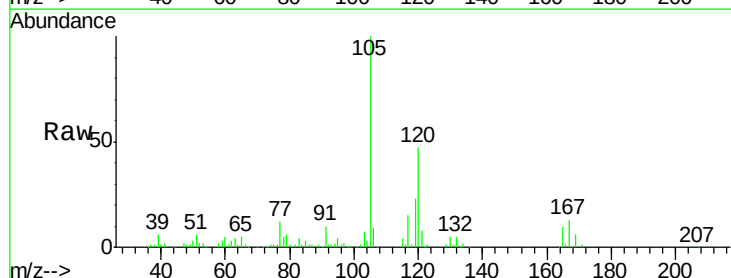
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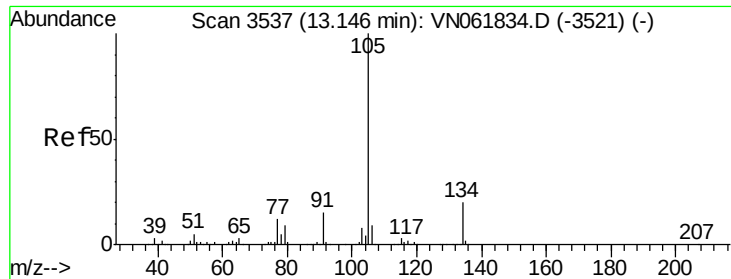
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.336 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131526		
120	47.2	23.3	69.9	





#85

sec-Butylbenzene

Concen: 19.437 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:105 Resp: 141312

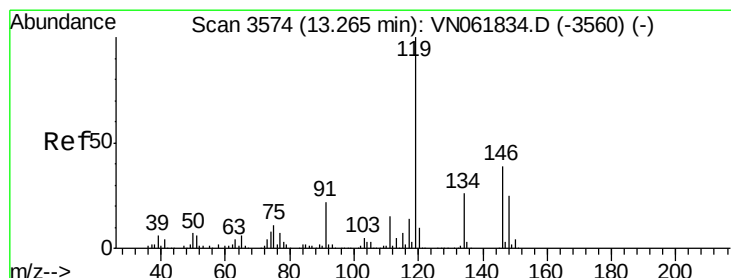
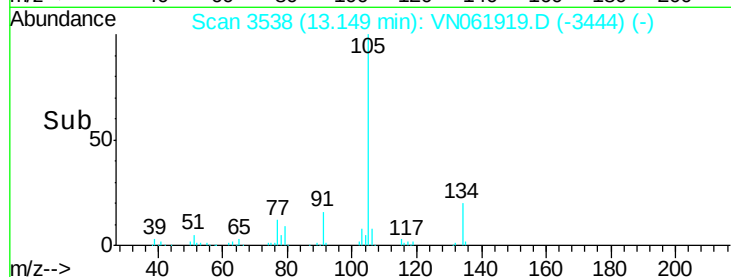
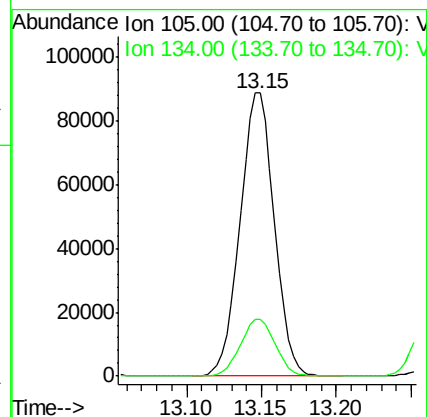
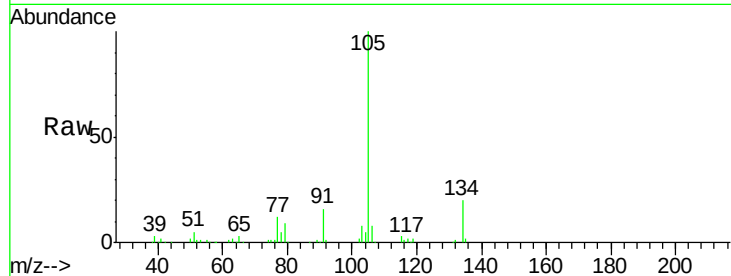
Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.805 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

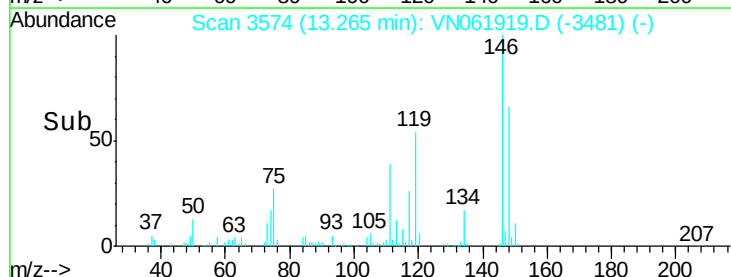
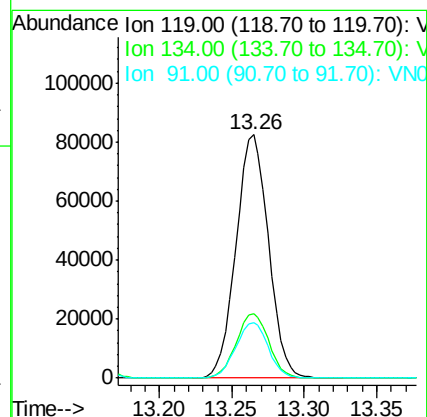
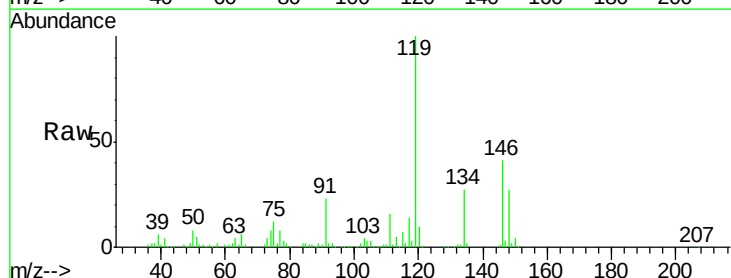
Tgt Ion:119 Resp: 128301

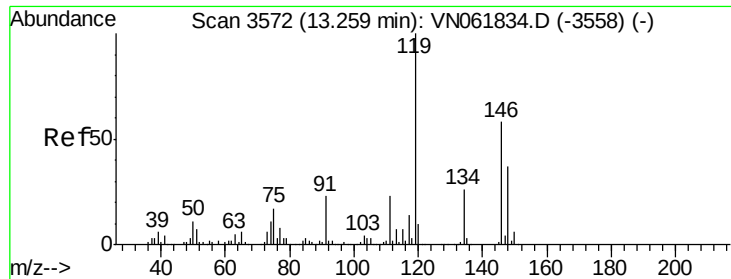
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 19.105 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

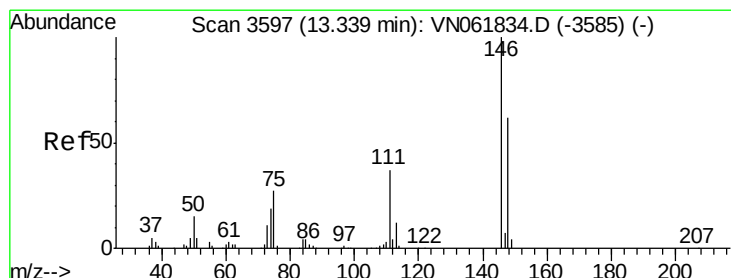
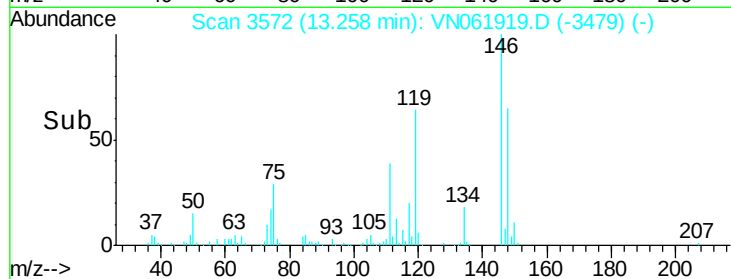
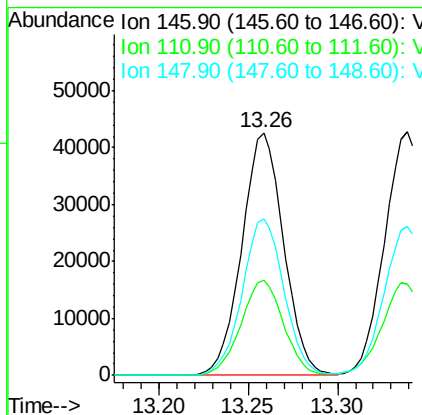
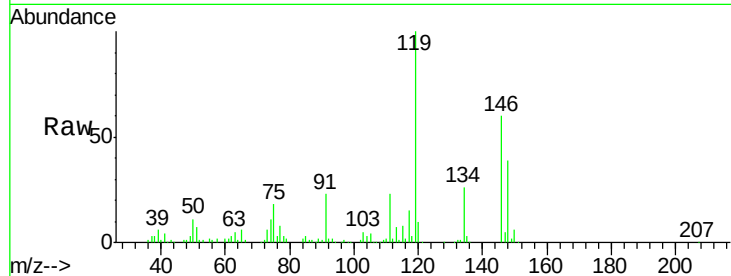
ClientSampleId :

VN0618WBS02

Tot Ion:	146	Resp:	69619
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.6	58.8
148	64.5	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 18.936 ug/l

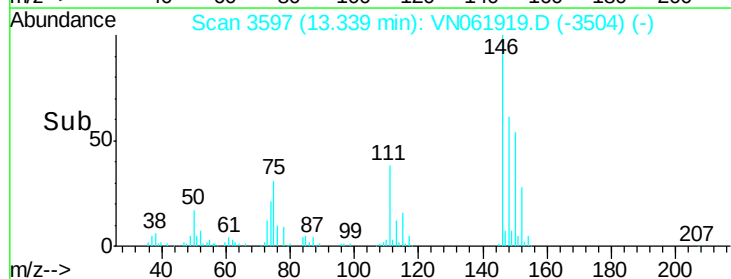
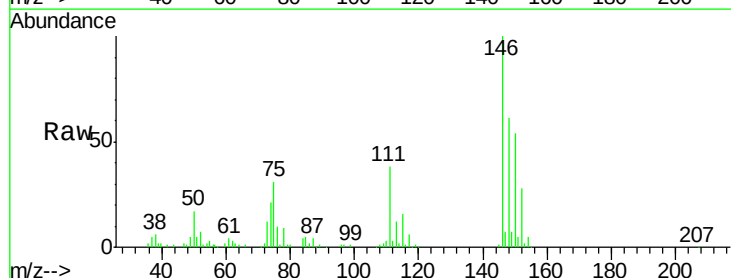
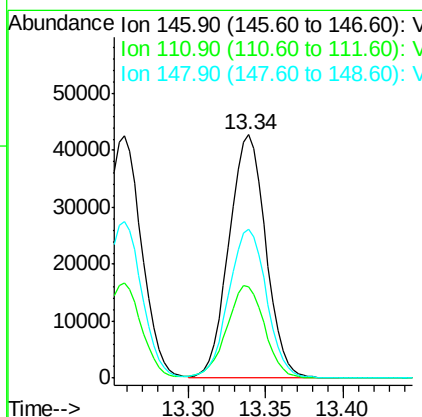
RT: 13.34 min Scan# 3597

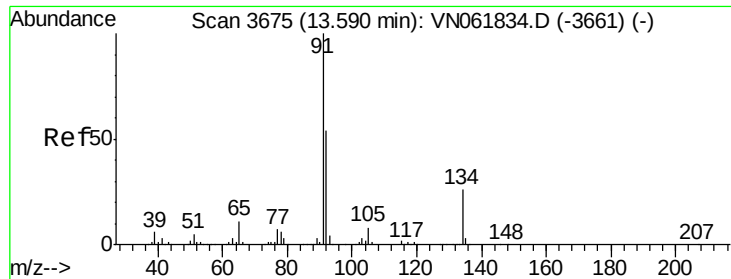
Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Tgt Ion:	146	Resp:	70630
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.3	57.8
148	63.1	31.6	94.7





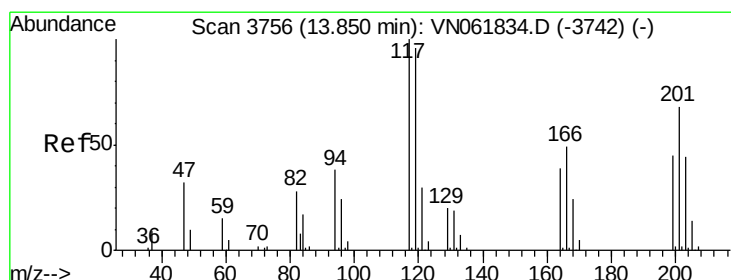
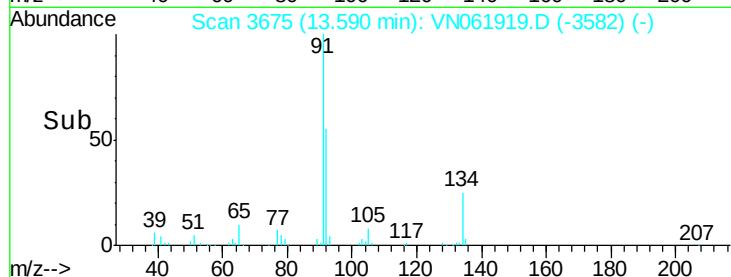
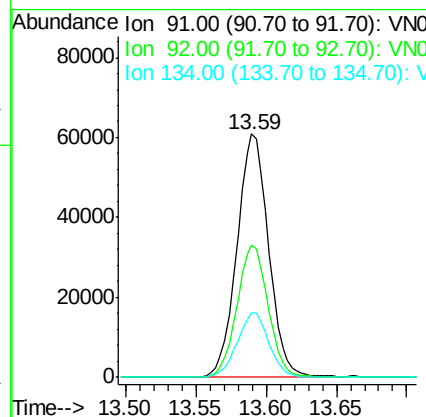
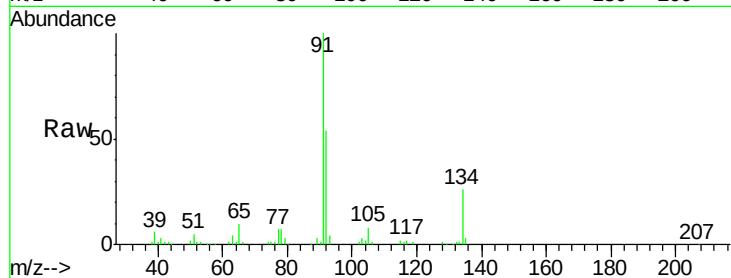
#89
n-Butylbenzene
Concen: 17.701 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.0	80.8
134	26.5	13.0	39.0

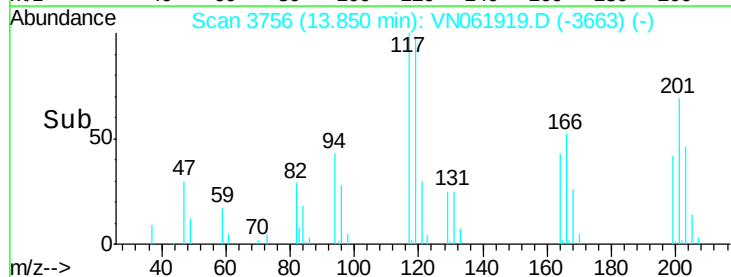
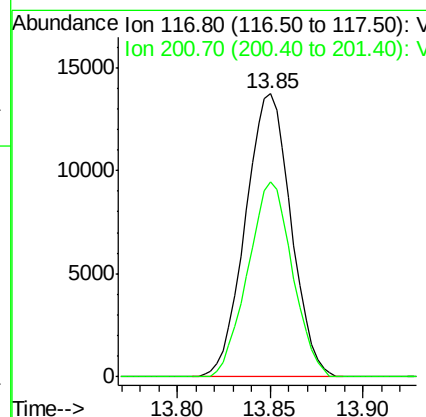
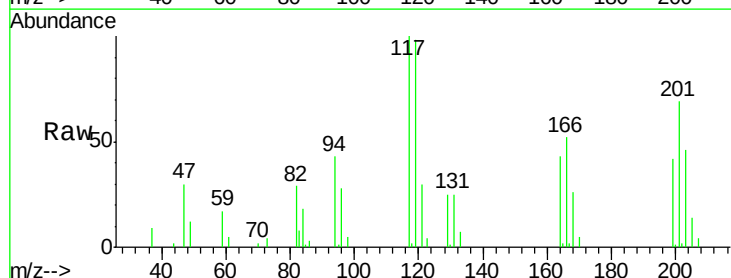
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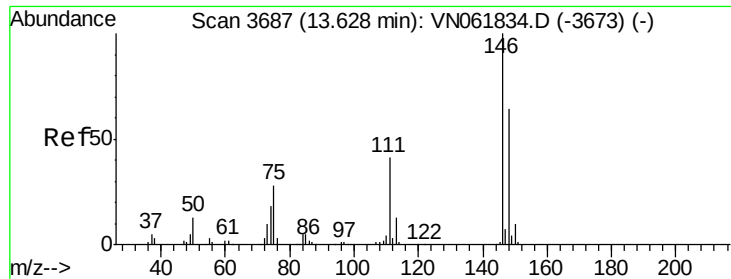
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#90
Hexachloroethane
Concen: 19.839 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.2	34.6	103.8





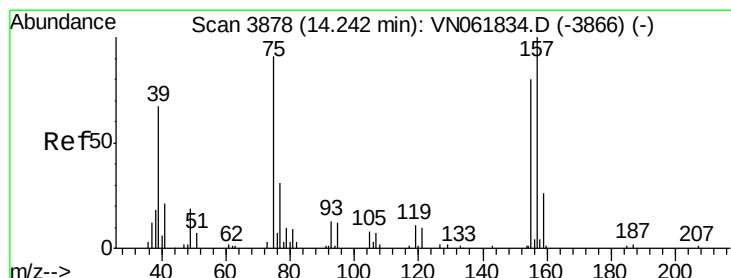
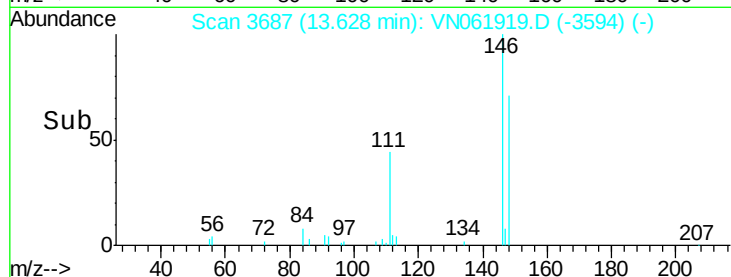
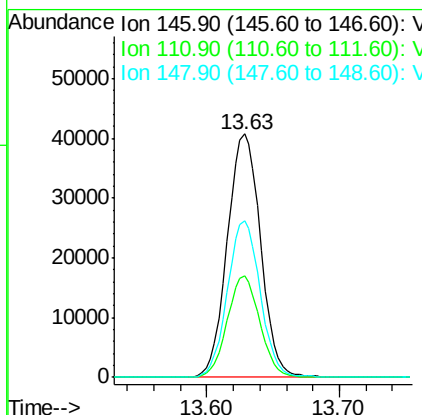
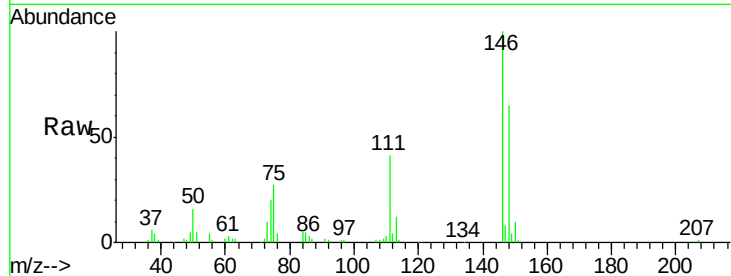
#91
 1,2-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.2
148	63.3	31.8	95.4

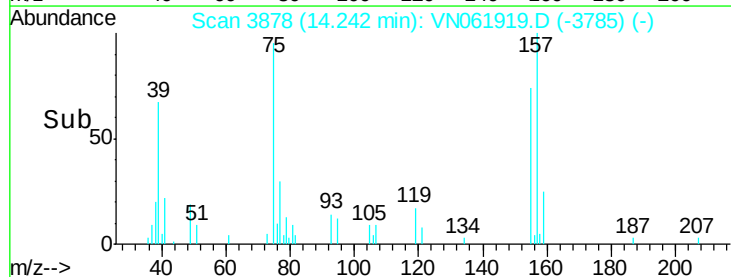
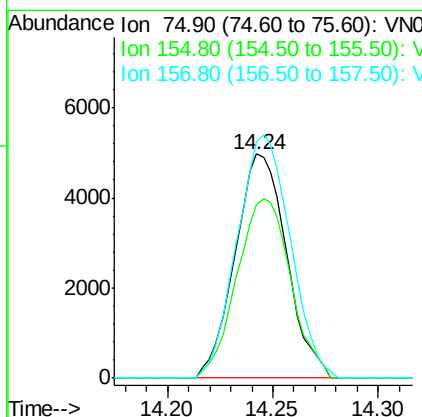
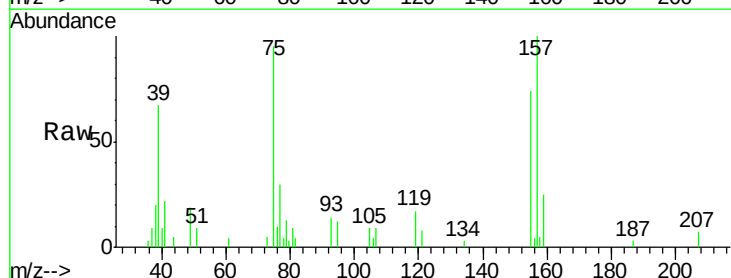
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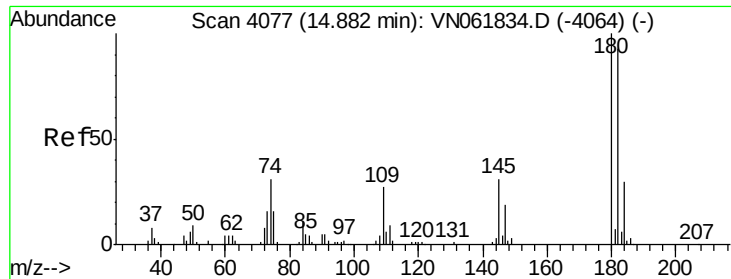
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.125 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	44.4	133.2
157	112.2	57.0	171.2





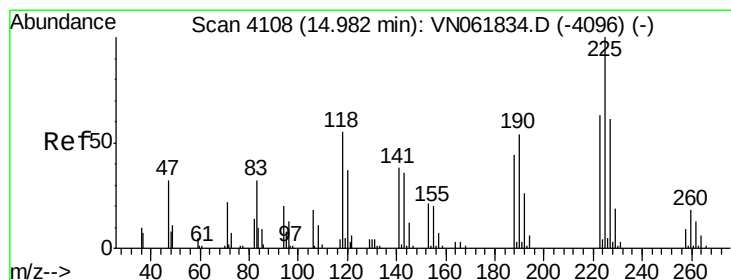
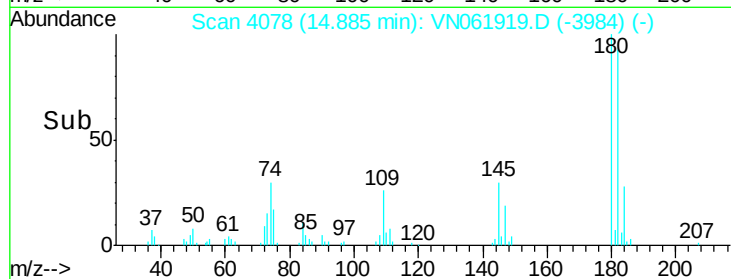
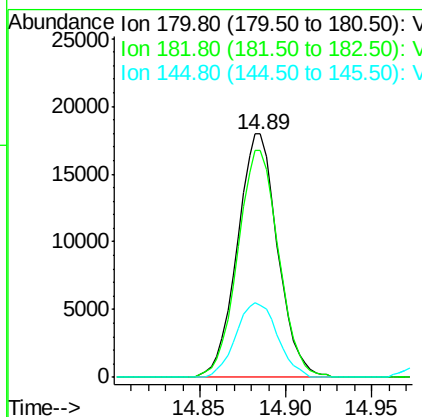
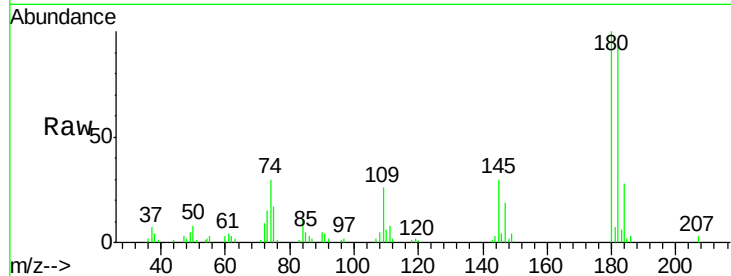
#93
 1,2,4-Trichlorobenzene
 Concen: 17.685 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.2
145	31.7	15.8	47.3

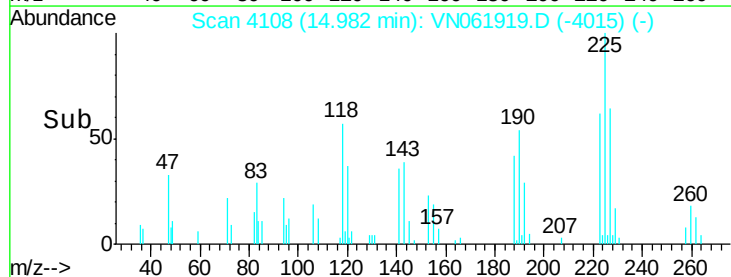
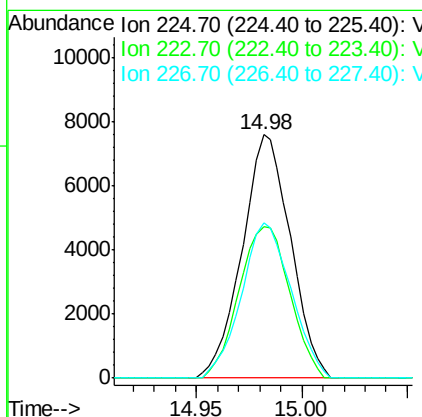
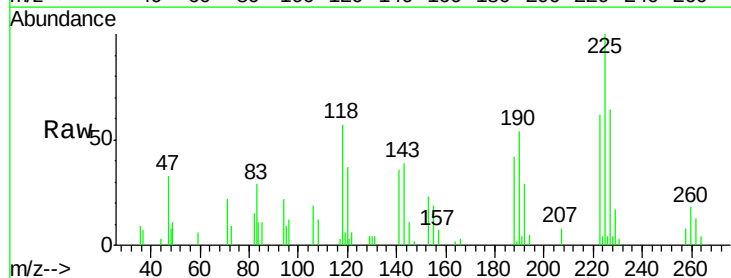
Manual Integrations
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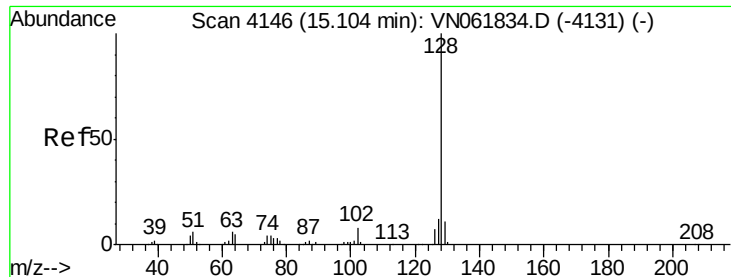
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 6/19/2020 1:02:32 PM



#94
 Hexachlorobutadiene
 Concen: 18.590 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.7	95.1
227	65.5	30.1	90.3





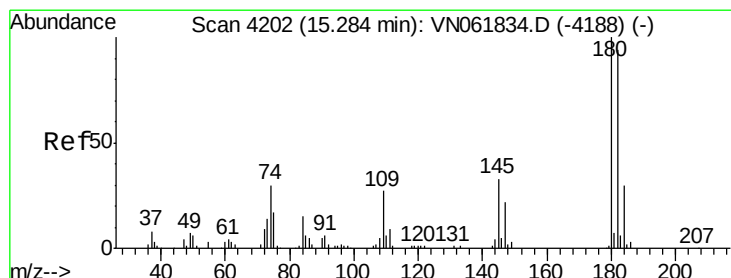
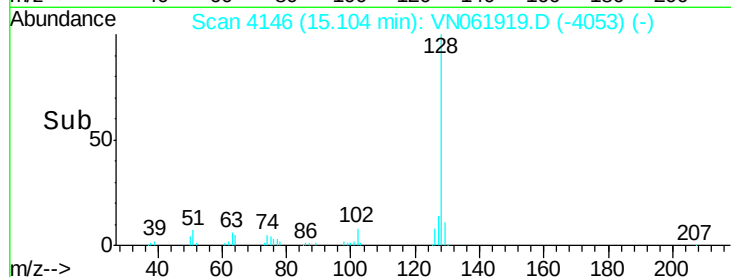
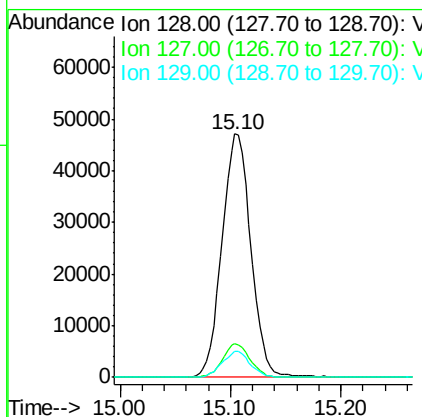
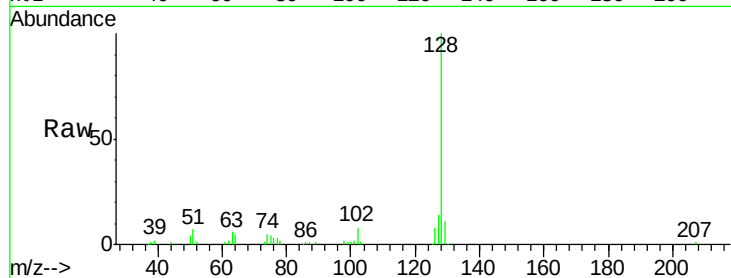
#95
Naphthalene
Concen: 17.867 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.2	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.069 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.6
145	33.0	16.5	49.5

