

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063983.D
 Acq On : 8 Oct 2020 12:02
 Operator : JC/MD
 Sample : VN1008WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:32:04 PM

Quant Time: Oct 09 04:34:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	274173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	446693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	221897	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	7.55	113	156868	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.06	98	568444	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.38	95	208521	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49099	16.972	ug/l	100
3) Chloromethane	2.04	50	61125	18.007	ug/l	99
4) Vinyl Chloride	2.16	62	59332	17.413	ug/l	97
5) Bromomethane	2.54	94	33907	15.820	ug/l	92
6) Chloroethane	2.68	64	40362	19.823	ug/l	99
7) Trichlorofluoromethane	2.99	101	99863	18.479	ug/l	97
8) Diethyl Ether	3.38	74	35150	19.232	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53950	18.678	ug/l	96
10) Methyl Iodide	3.91	142	52870	15.764	ug/l	98
11) Tert butyl alcohol	4.73	59	52364	104.712	ug/l	99
12) 1,1-Dichloroethene	3.70	96	49852	18.057	ug/l	98
13) Acrolein	3.57	56	33416	108.876	ug/l	98
14) Allyl chloride	4.28	41	103453	20.170	ug/l	93
15) Acrylonitrile	4.93	53	151063	105.533	ug/l	99
16) Acetone	3.78	43	147898	106.071	ug/l	100
17) Carbon Disulfide	4.01	76	132773	18.244	ug/l	96
18) Methyl Acetate	4.28	43	82422	22.767	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	191002	19.042	ug/l	99
20) Methylene Chloride	4.51	84	63077	19.810	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	55216	17.855	ug/l	96
22) Diisopropyl ether	5.90	45	220783	20.922	ug/l	94
23) Vinyl Acetate	5.85	43	884076	101.134	ug/l	100
24) 1,1-Dichloroethane	5.80	63	119533	19.810	ug/l	98
25) 2-Butanone	6.79	43	219197	110.883	ug/l	98
26) 2,2-Dichloropropane	6.78	77	103524	18.735	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	67429	18.959	ug/l	99
28) Bromochloromethane	7.15	49	53510	17.943	ug/l	98
29) Tetrahydrofuran	7.17	42	142425	107.422	ug/l	95
30) Chloroform	7.33	83	120792	19.200	ug/l	97
31) Cyclohexane	7.62	56	94578	17.986	ug/l	# 93
32) 1,1,1-Trichloroethane	7.53	97	108841	19.180	ug/l	99
36) 1,1-Dichloropropene	7.75	75	85145	18.815	ug/l	99
37) Ethyl Acetate	6.88	43	90967	20.232	ug/l	99
38) Carbon Tetrachloride	7.73	117	95689	18.857	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74624	16.536	ug/l	96
40) Benzene	8.00	78	251987	19.495	ug/l	99
41) Methacrylonitrile	7.13	41	43046	21.542	ug/l #	73
42) 1,2-Dichloroethane	8.09	62	106677	19.334	ug/l	99
43) Isopropyl Acetate	8.13	43	151587	20.440	ug/l	100
44) Trichloroethene	8.80	130	62931	18.582	ug/l	93
45) 1,2-Dichloropropane	9.08	63	68635	19.661	ug/l	100
46) Dibromomethane	9.18	93	46344	19.245	ug/l	99
47) Bromodichloromethane	9.37	83	96941	19.532	ug/l	99
48) Methyl methacrylate	9.17	41	72019	19.656	ug/l	95
49) 1,4-Dioxane	9.16	88	19932	382.765	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	473034	108.691	ug/l	99
52) Toluene	10.13	92	154711	19.351	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	103298	19.416	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	108909	19.574	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	65036	20.284	ug/l	99
56) Ethyl methacrylate	10.40	69	91482	20.129	ug/l	94
57) 1,3-Dichloropropane	10.68	76	107185	19.759	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	226855	93.315	ug/l	99
59) 2-Hexanone	10.72	43	337776	104.477	ug/l	99
60) Dibromochloromethane	10.87	129	70762	18.951	ug/l	100
61) 1,2-Dibromoethane	10.98	107	64999	19.818	ug/l	100
64) Tetrachloroethene	10.60	164	58646	18.277	ug/l	98
65) Chlorobenzene	11.41	112	164493	19.334	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	66362	20.346	ug/l	99
67) Ethyl Benzene	11.49	91	292566	18.898	ug/l	99
68) m/p-Xylenes	11.59	106	215289	37.313	ug/l	99
69) o-Xylene	11.92	106	104277	19.336	ug/l	97
70) Styrene	11.94	104	175068	19.124	ug/l	98
71) Bromoform	12.10	173	49277	19.754	ug/l #	99
73) Isopropylbenzene	12.23	105	276986	19.880	ug/l	99
74) N-amyl acetate	12.05	43	122540	20.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	91186	21.403	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	88815m	21.092	ug/l	
77) Bromobenzene	12.50	156	70953	20.754	ug/l	99
78) n-propylbenzene	12.57	91	310866	19.172	ug/l	100
79) 2-Chlorotoluene	12.65	91	195653	19.620	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	231005	19.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	29847	20.415	ug/l	95
82) 4-Chlorotoluene	12.75	91	202017	19.514	ug/l	98
83) tert-Butylbenzene	12.97	119	185800	19.433	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	226667	19.423	ug/l	97
85) sec-Butylbenzene	13.15	105	236778	18.855	ug/l	99
86) p-Isopropyltoluene	13.26	119	211096	19.001	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119766	19.364	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	121487	18.865	ug/l	98
89) n-Butylbenzene	13.59	91	176076	17.172	ug/l	98
90) Hexachloroethane	13.85	117	41452	19.255	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	120902	19.736	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19718	19.735	ug/l	96

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ClientSampleId :
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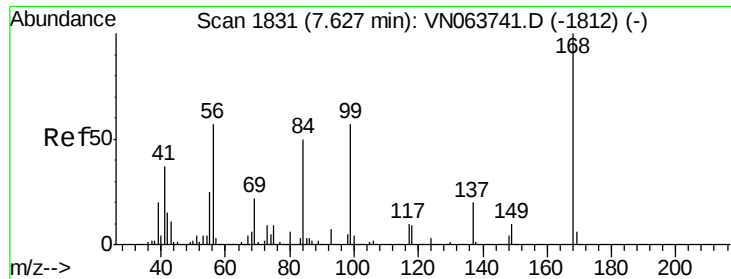
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52467	16.940	ug/l	97
94) Hexachlorobutadiene	14.98	225	33308	20.093	ug/l	98
95) Naphthalene	15.10	128	154084	16.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53723	17.675	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion:168 Resp: 274173

Ion Ratio Lower Upper

168 100

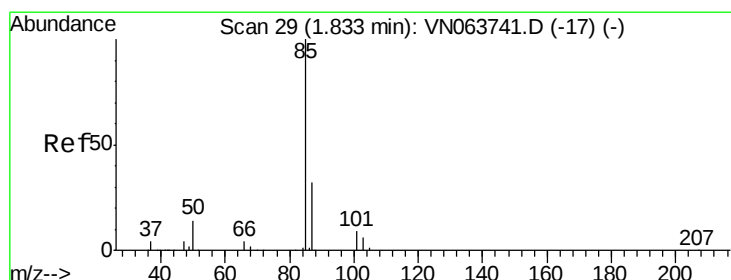
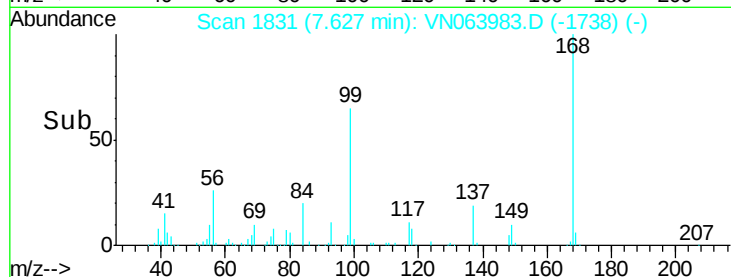
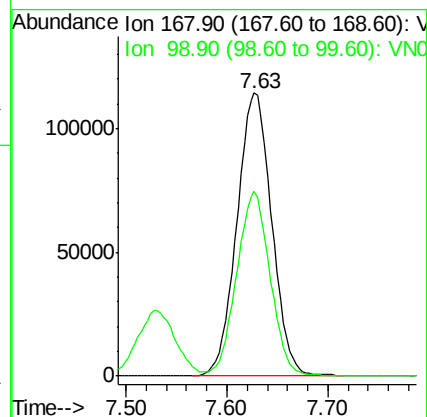
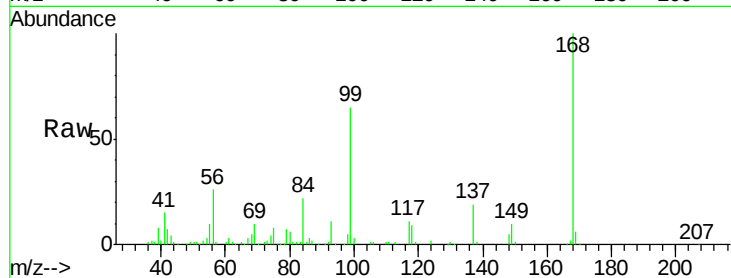
99 65.0 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.972 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063983.D

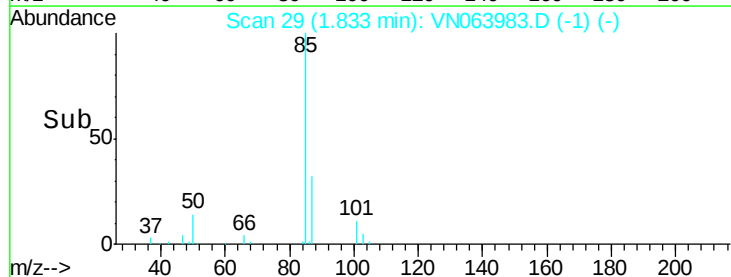
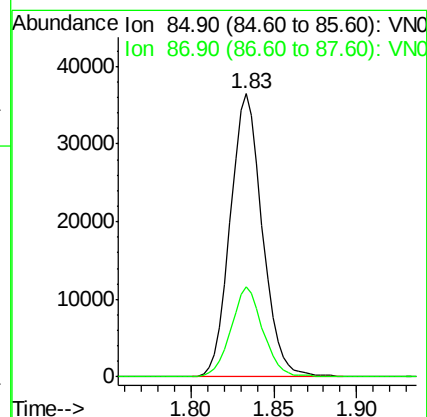
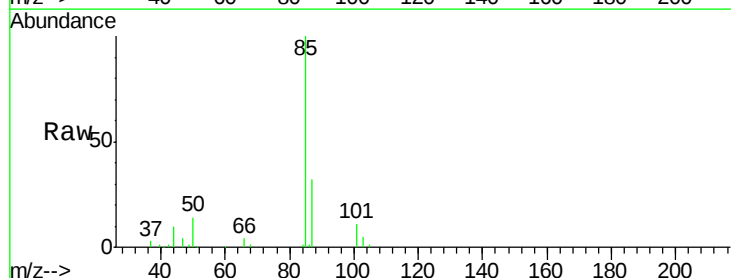
Acq: 8 Oct 2020 12:02

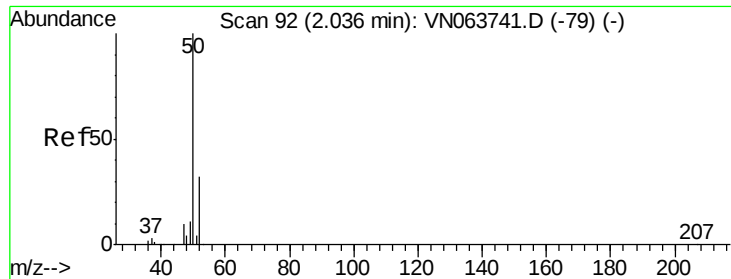
Tgt Ion: 85 Resp: 49099

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0





#3

Chloromethane

Concen: 18.007 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 50 Resp: 61125

Ion Ratio Lower Upper

50 100

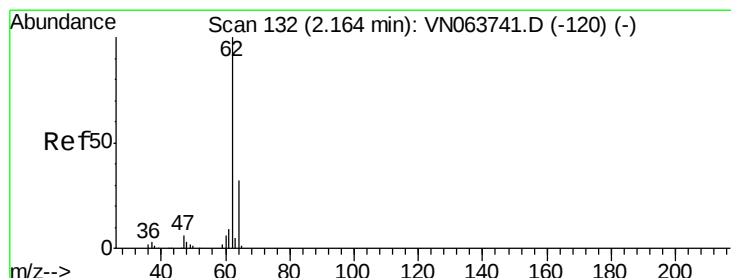
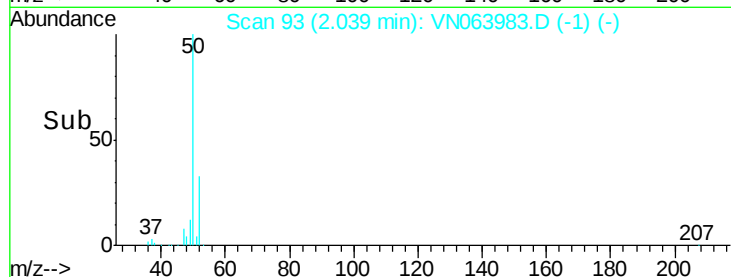
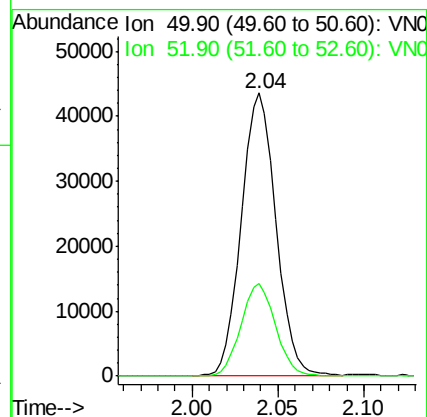
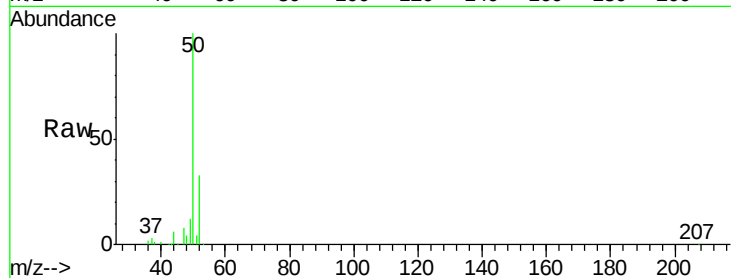
52 32.9 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.413 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063983.D

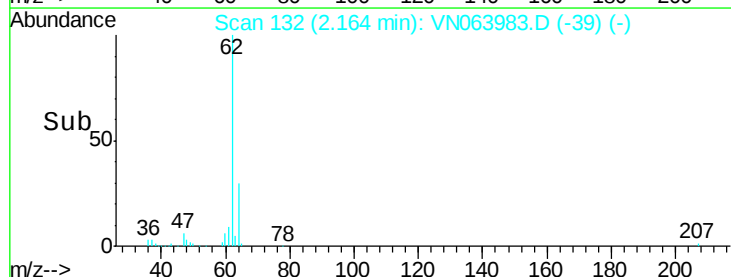
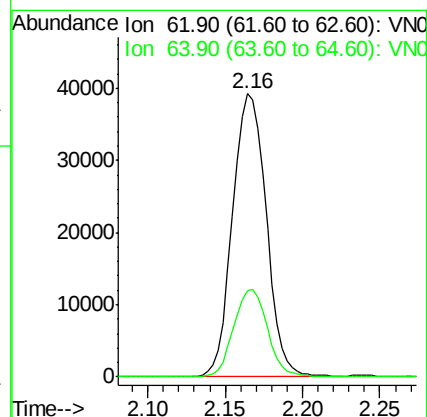
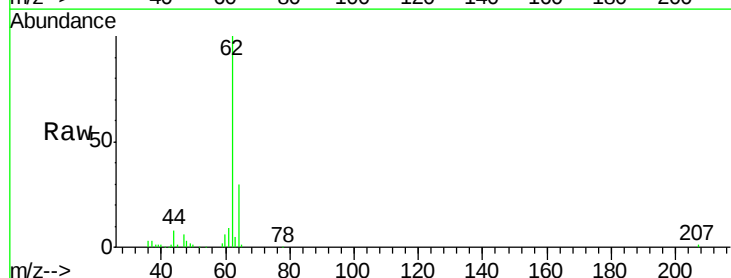
Acq: 8 Oct 2020 12:02

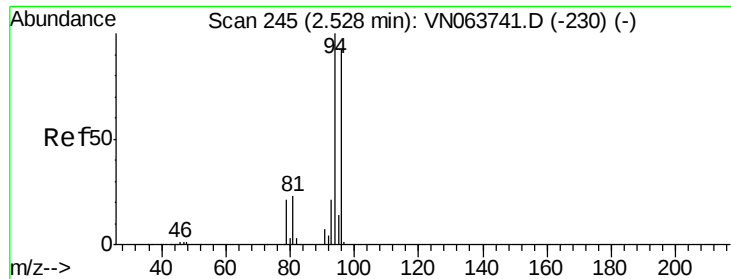
Tgt Ion: 62 Resp: 59332

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4





#5

Bromomethane

Concen: 15.820 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 94 Resp: 33907

Ion Ratio Lower Upper

94 100

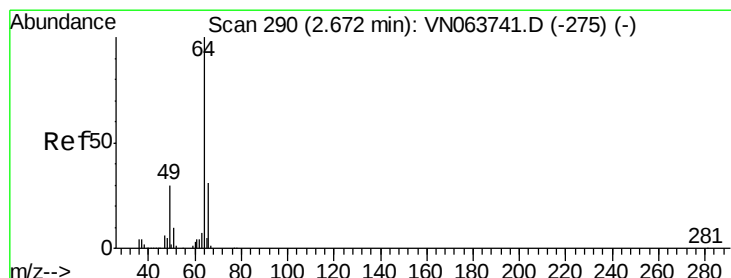
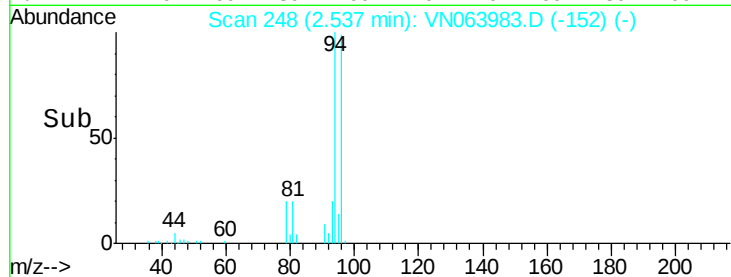
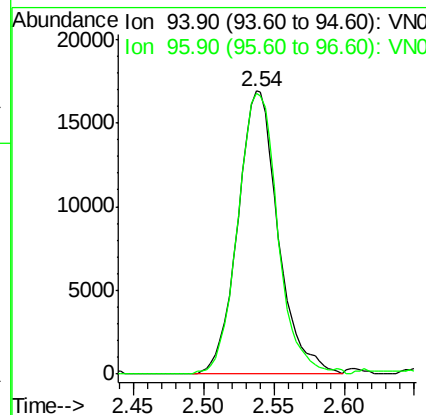
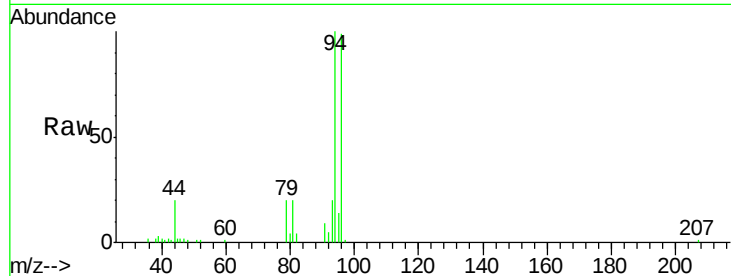
96 99.3 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 19.823 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063983.D

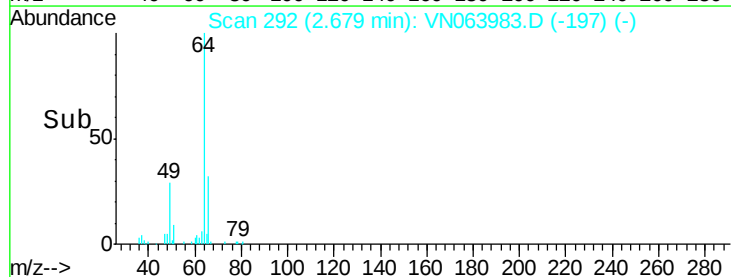
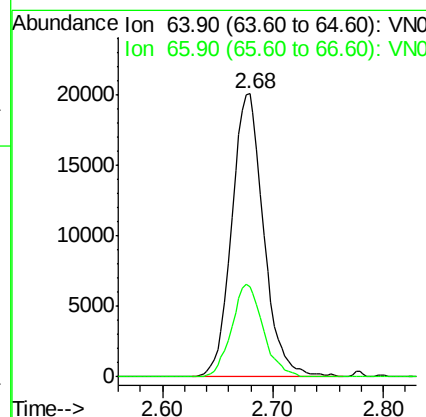
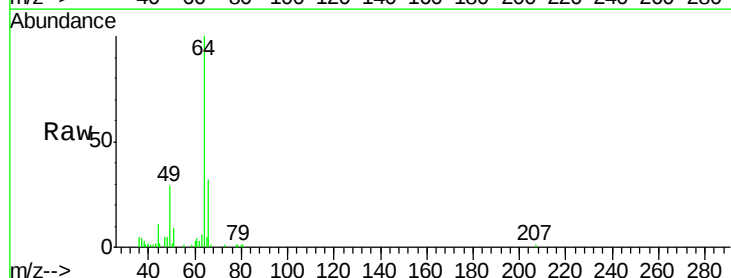
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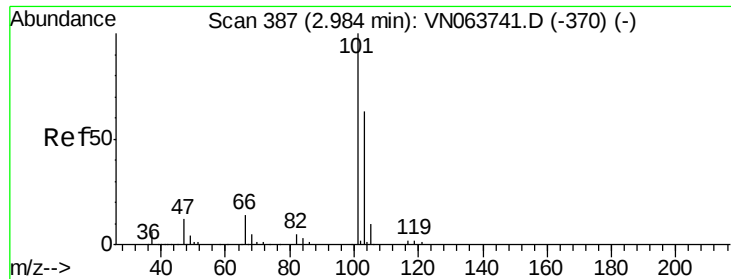
Tgt Ion: 64 Resp: 40362

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

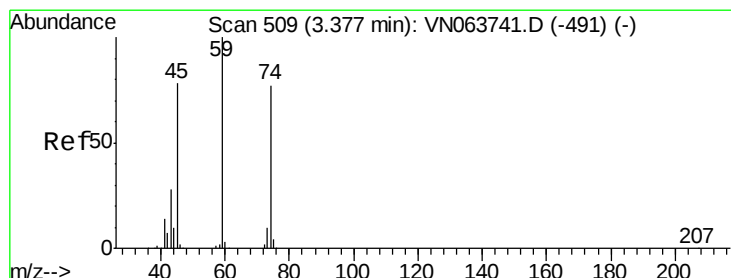
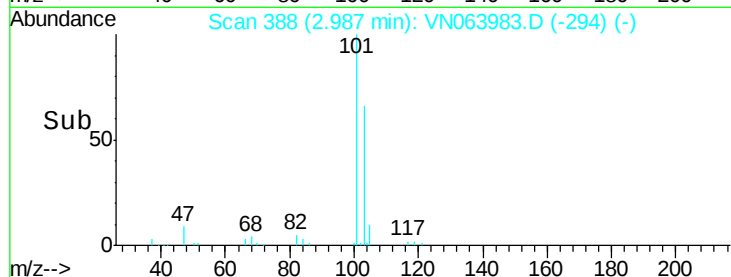
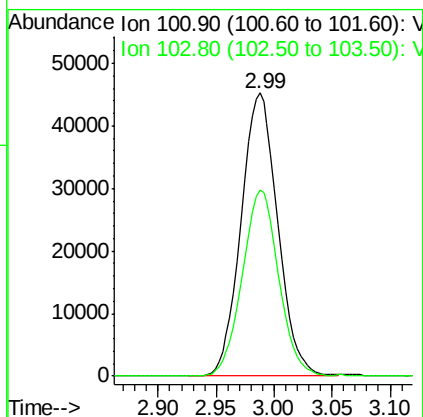
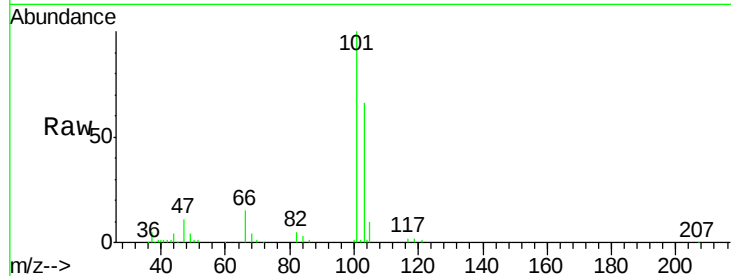
Trichlorofluoromethane
Concen: 18.479 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

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ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.7	76.1

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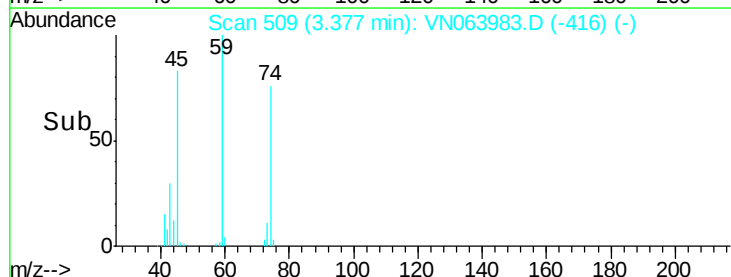
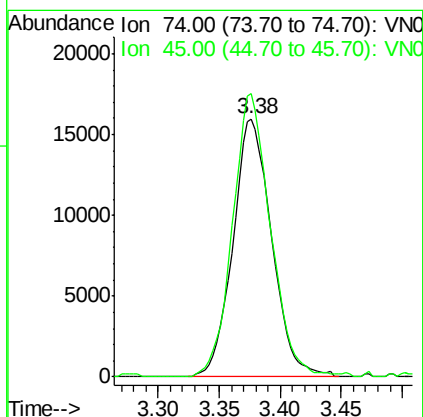
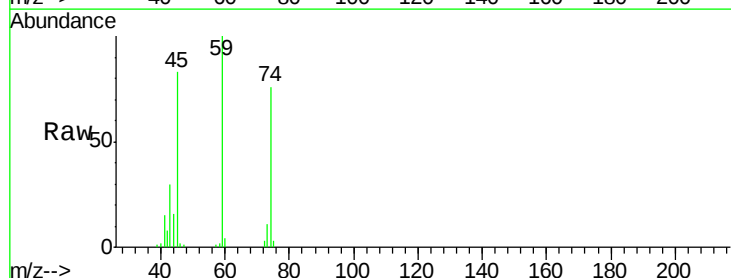
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10/9/2020 4:32:04 PM



#8

Diethyl Ether
Concen: 19.232 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	50.9	152.8





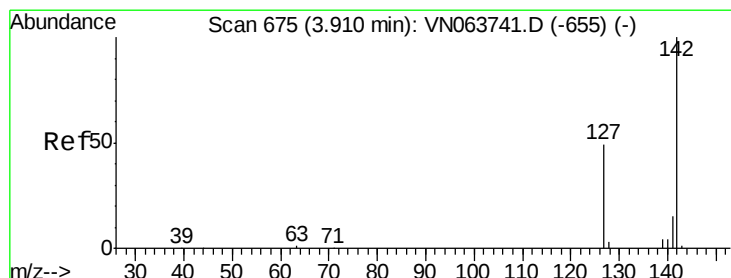
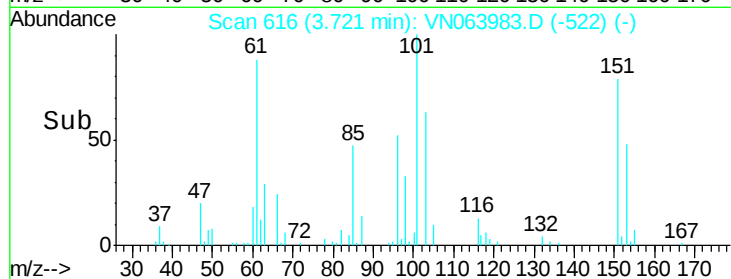
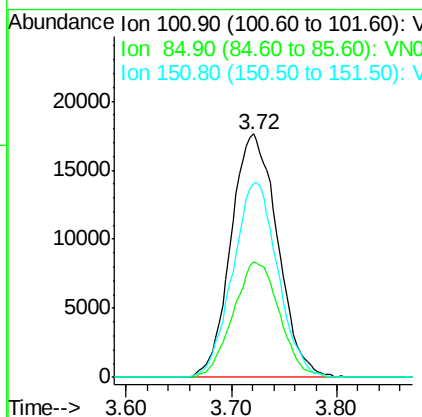
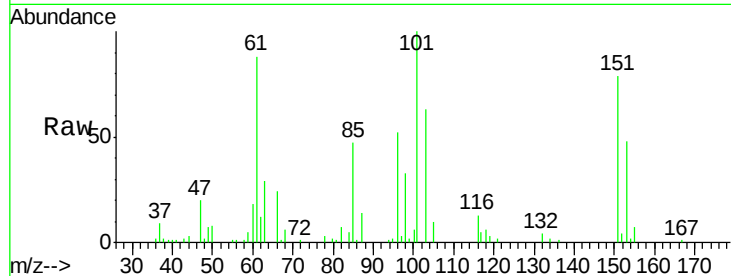
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.678 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN063983.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	47.1	38.6	58.0
151	77.6	58.7	88.1

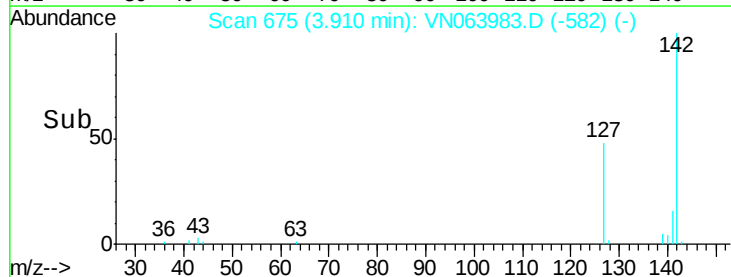
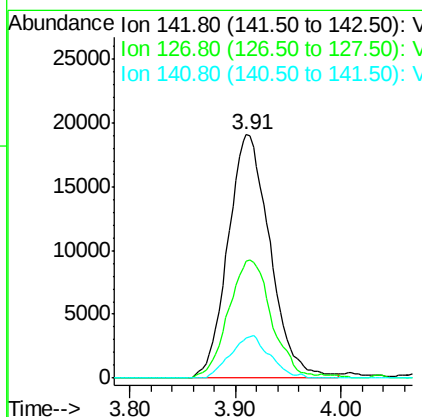
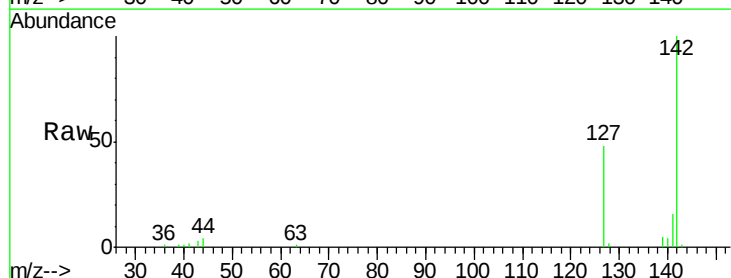
Manual Integrations
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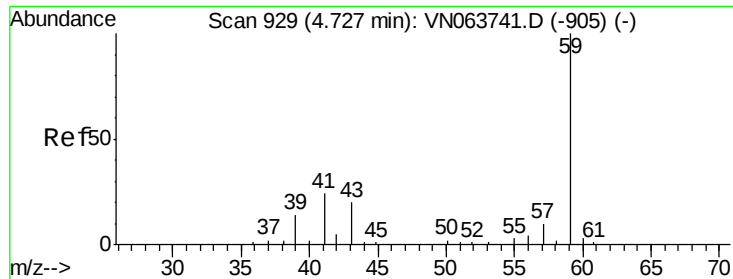
MMDadoda
10/9/2020 4:32:04 PM



#10
Methyl Iodide
Concen: 15.764 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.4	40.5	60.7
141	16.3	11.7	17.5





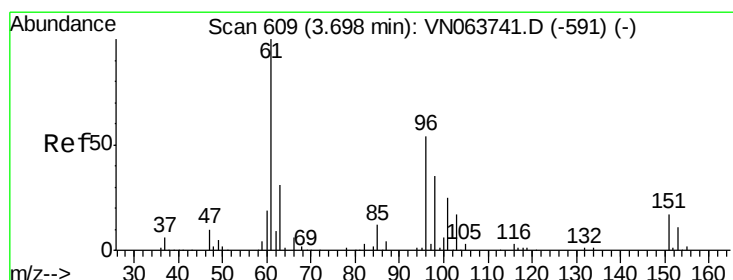
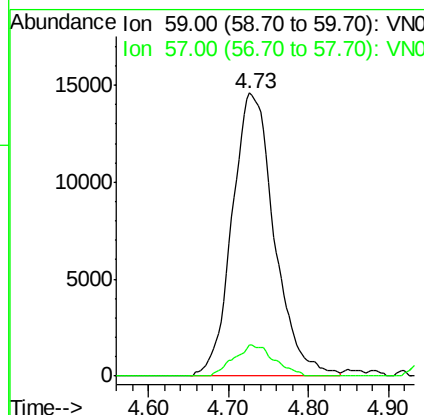
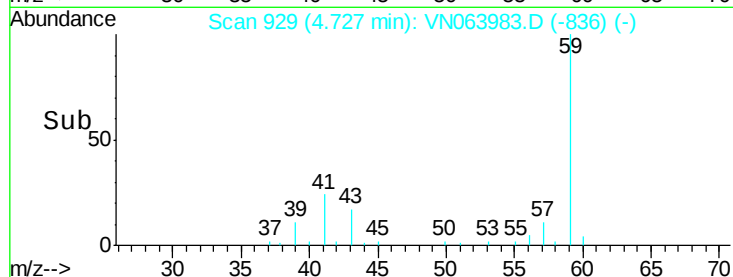
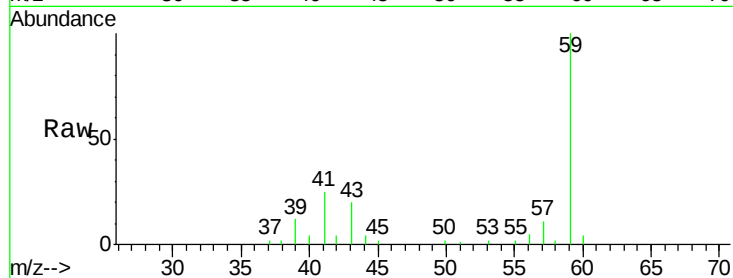
#11
Tert butyl alcohol
Concen: 104.712 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 59 Resp: 52364
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

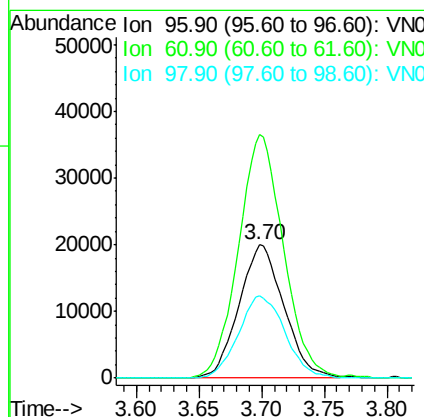
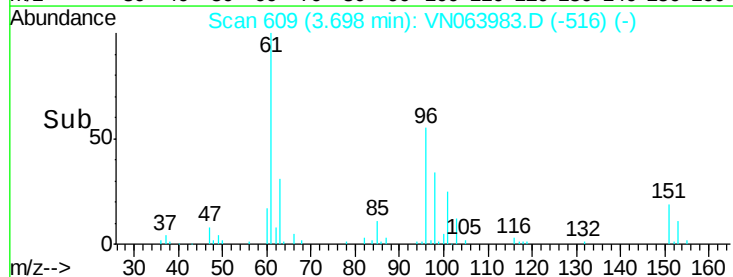
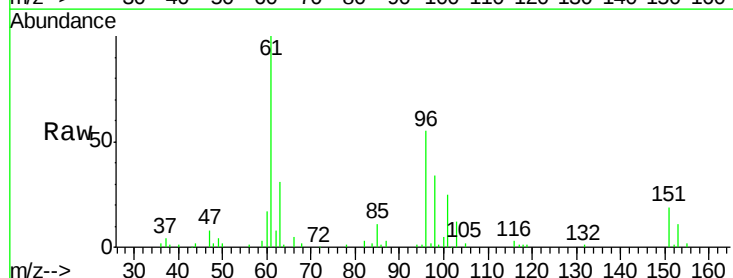
Manual Integrations
APPROVED

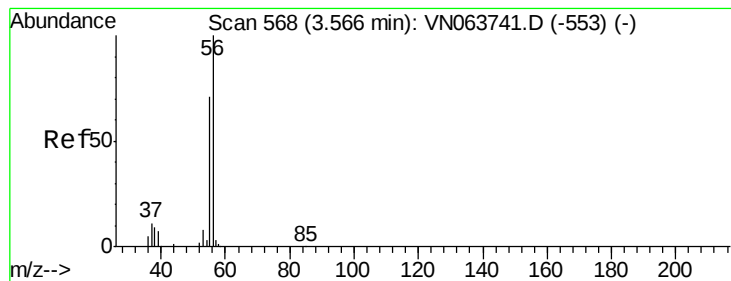
MMDadoda
10/9/2020 4:32:04 PM



#12
1,1-Dichloroethene
Concen: 18.057 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion: 96 Resp: 49852
Ion Ratio Lower Upper
96 100
61 182.4 147.7 221.5
98 61.4 51.9 77.9





#13

Acrolein

Concen: 108.876 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 56 Resp: 33416

Ion Ratio Lower Upper

56 100

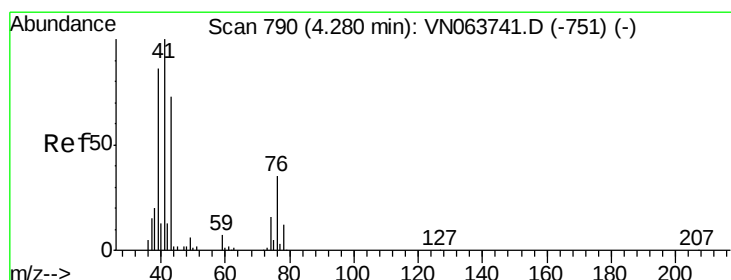
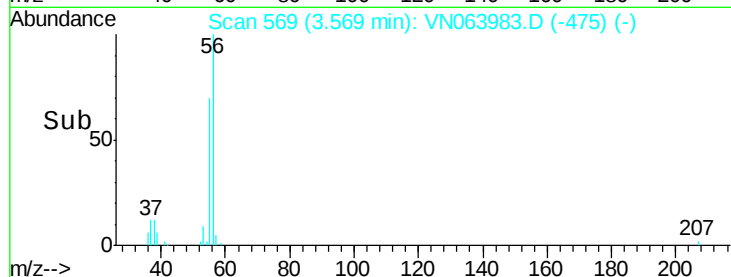
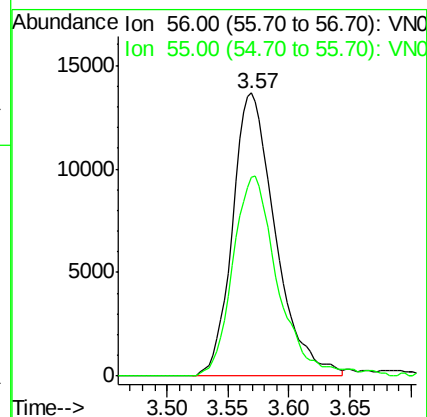
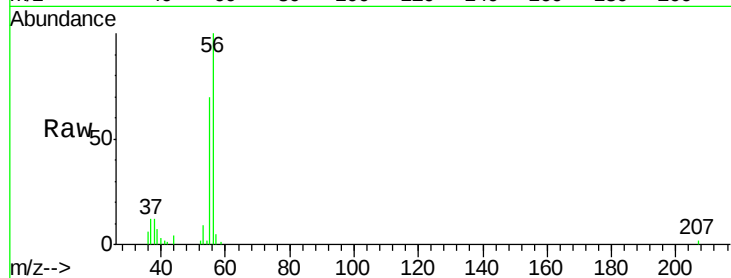
55 72.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.170 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

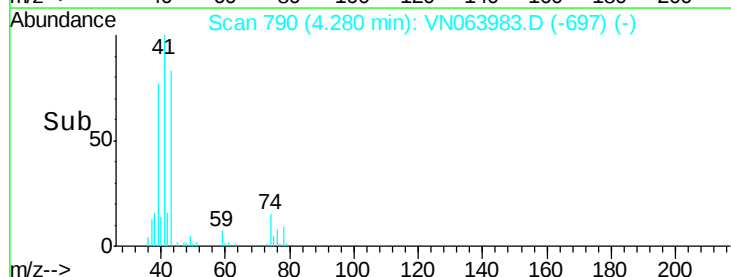
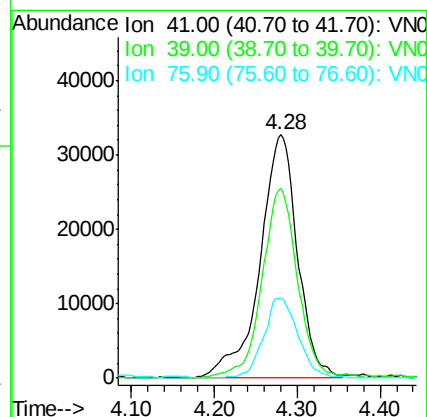
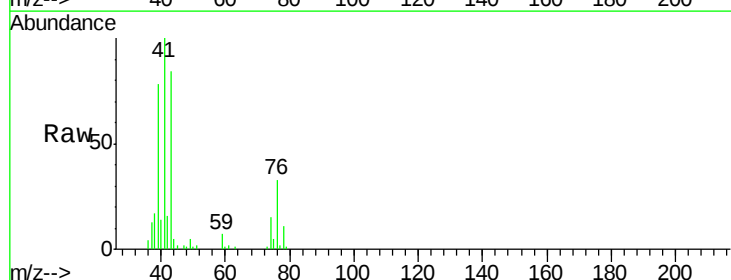
Tgt Ion: 41 Resp: 103453

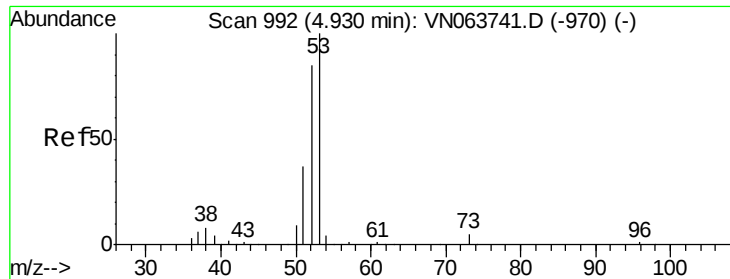
Ion Ratio Lower Upper

41 100

39 73.3 64.5 96.7

76 30.1 25.9 38.9





#15

Acrylonitrile

Concen: 105.533 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

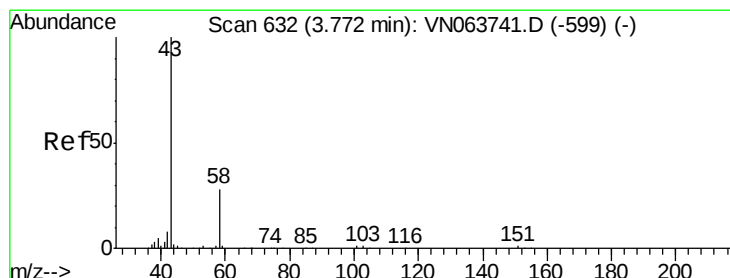
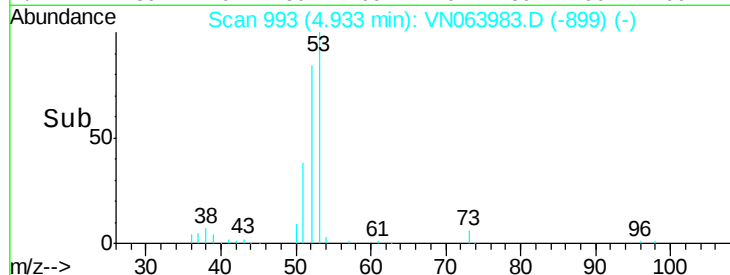
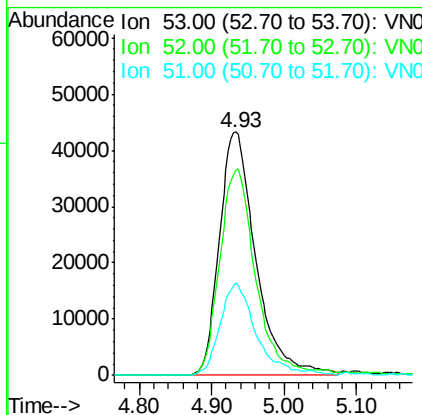
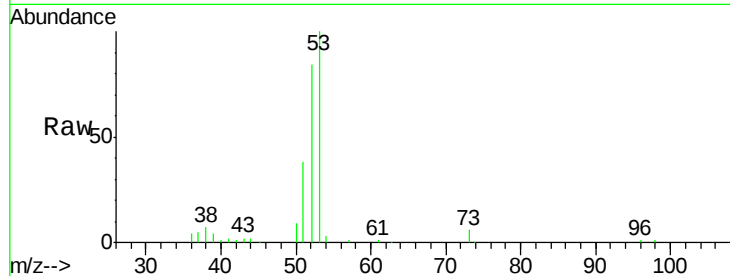
ClientSampleId :

VN1008WBS01

Tot Ion:	53	Resp:	151063
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	36.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 106.071 ug/l

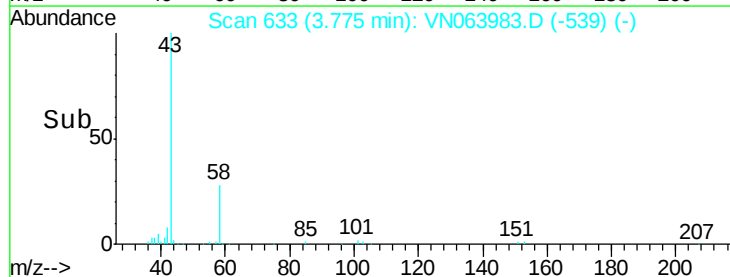
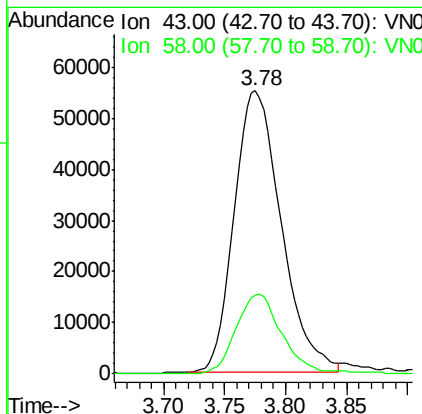
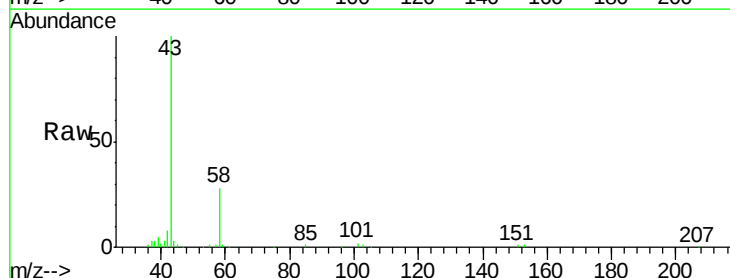
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion:	43	Resp:	147898
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





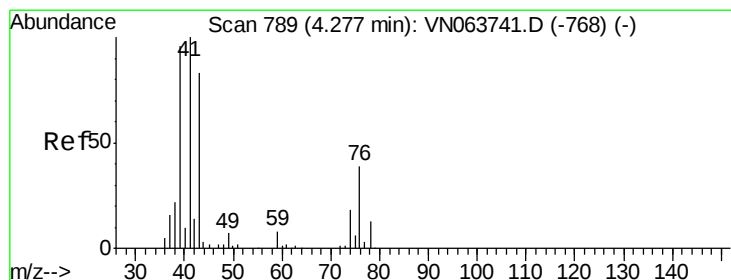
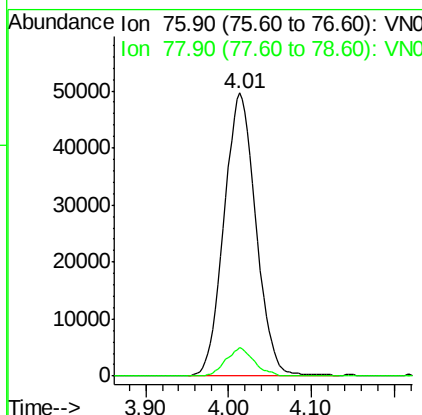
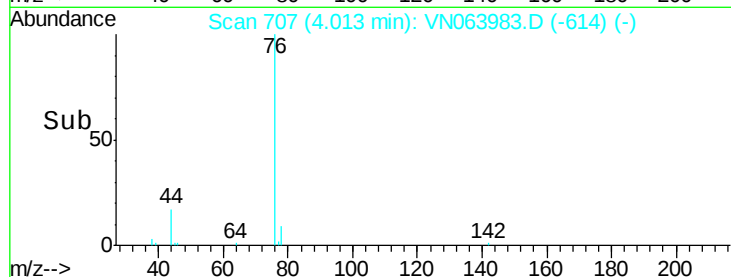
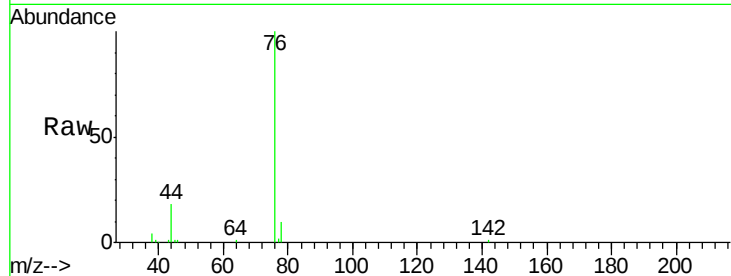
#17
Carbon Disulfide
Concen: 18.244 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 76 Resp: 132773
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4

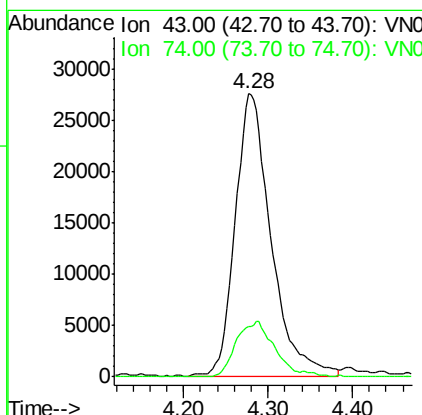
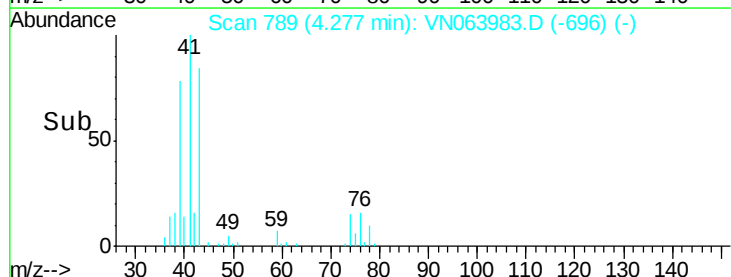
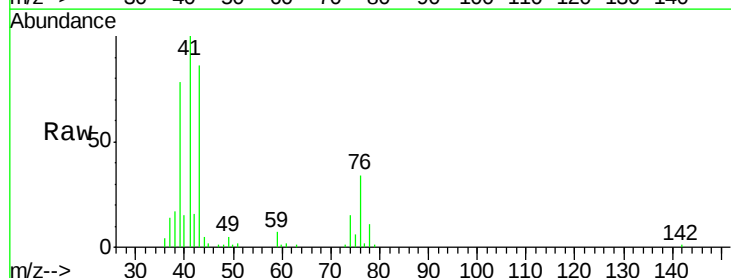
Manual Integrations
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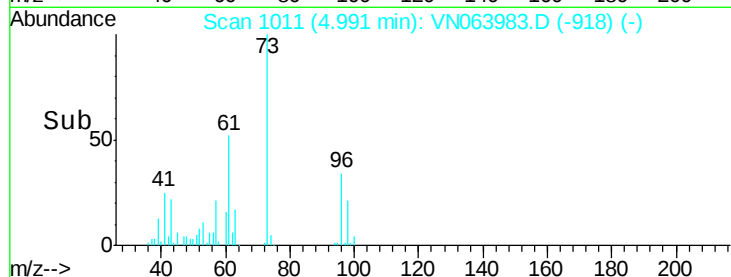
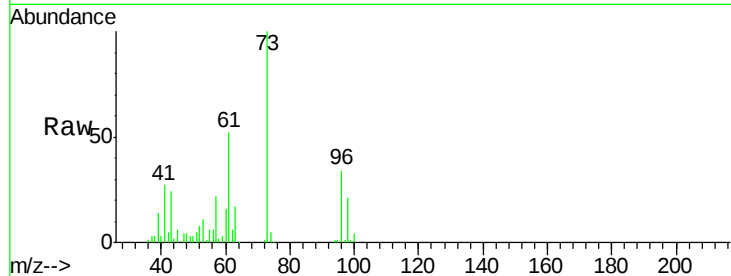
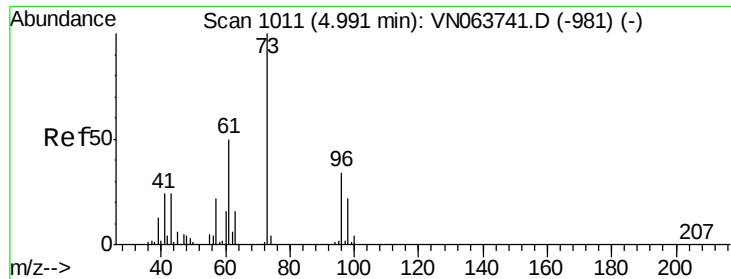
MMDadoda
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#18
Methyl Acetate
Concen: 22.767 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion: 43 Resp: 82422
Ion Ratio Lower Upper
43 100
74 20.3 17.4 26.2





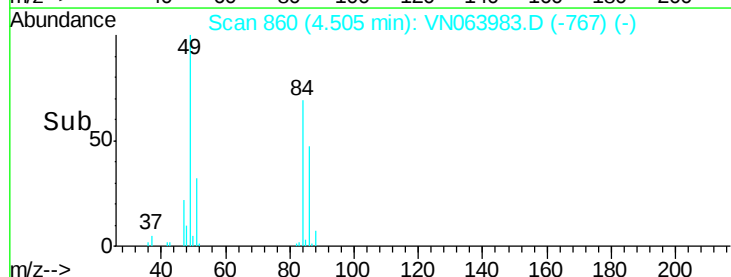
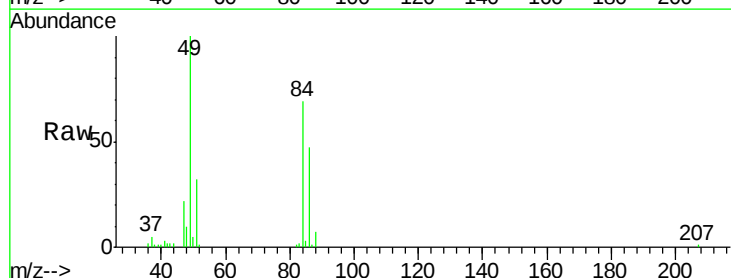
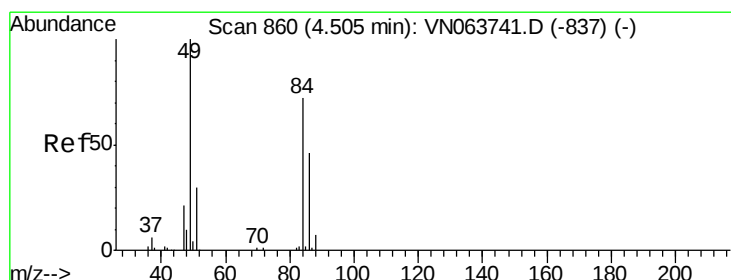
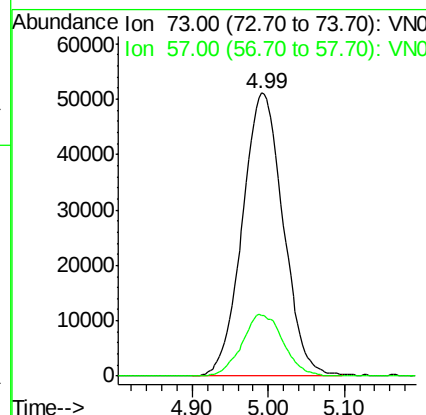
#19
Methyl tert-butyl Ether
Concen: 19.042 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tot Ion: 73 Resp: 191002
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

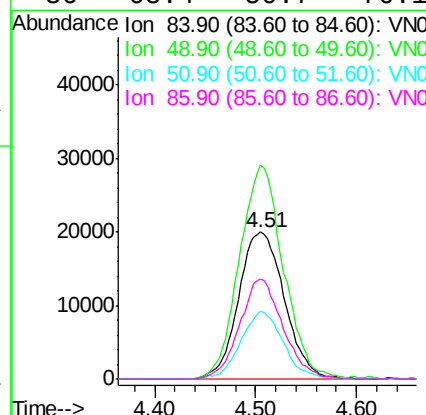
Manual Integrations
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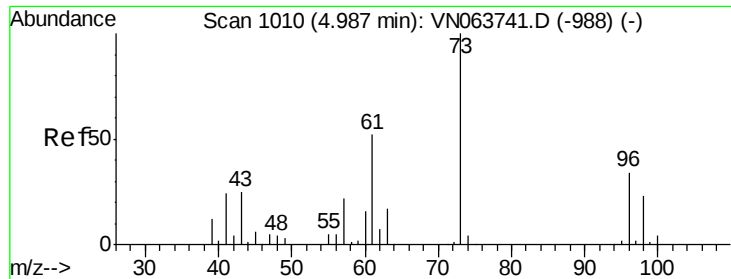
MMDadoda
10/9/2020 4:32:04 PM



#20
Methylene Chloride
Concen: 19.810 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion: 84 Resp: 63077
Ion Ratio Lower Upper
84 100
49 145.7 110.4 165.6
51 46.1 33.3 49.9
86 68.4 50.7 76.1





#21

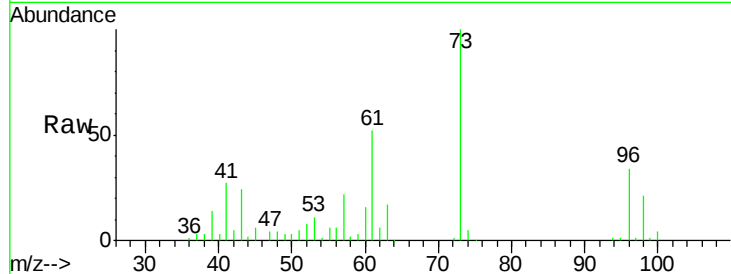
trans-1,2-Dichloroethene
Concen: 17.855 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

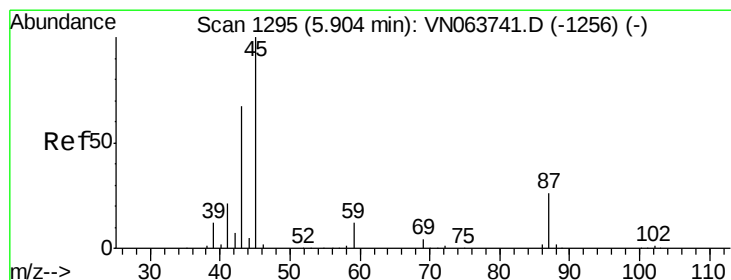
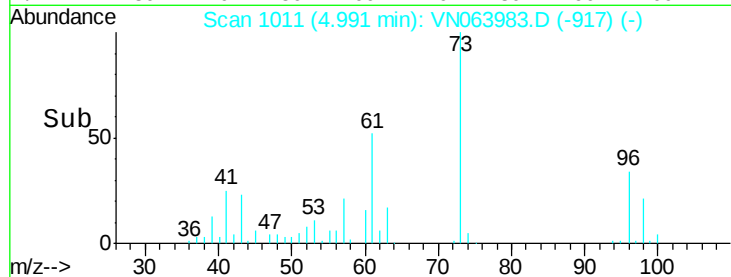
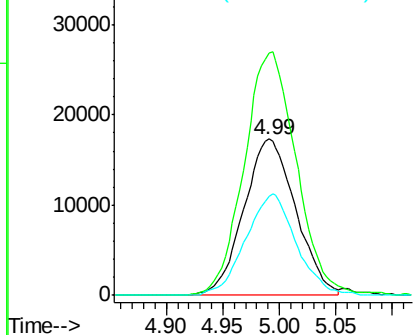
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	120.2	180.2
98	63.1	52.6	79.0

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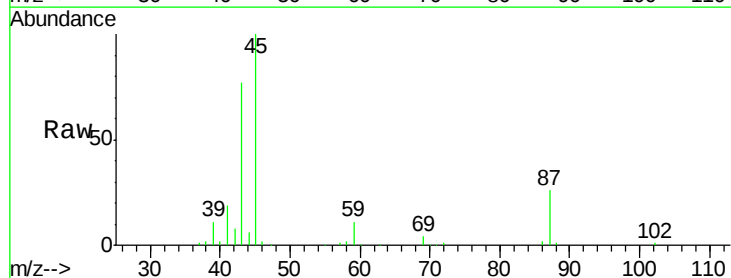
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



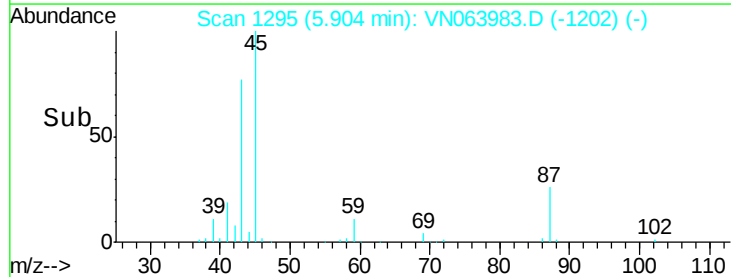
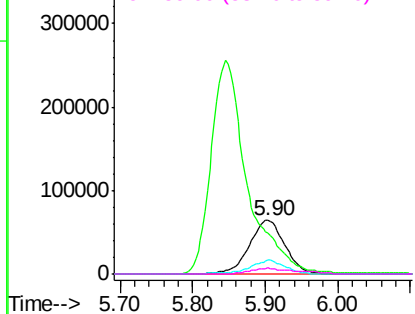
#22

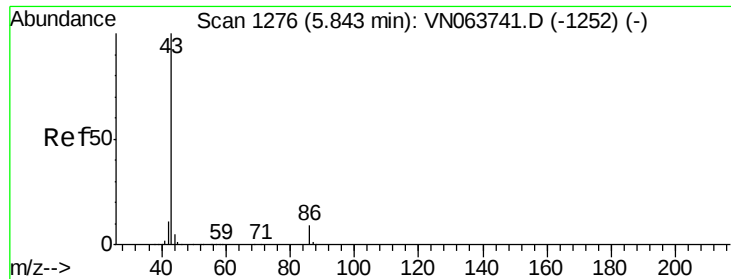
Diisopropyl ether
Concen: 20.922 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	53.7	80.5
87	25.5	21.1	31.7
59	10.6	9.2	13.8



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 101.134 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampled :

VN1008WBS01

Tot Ion: 43 Resp: 884076

Ion Ratio Lower Upper

43 100

86 9.2

7.3

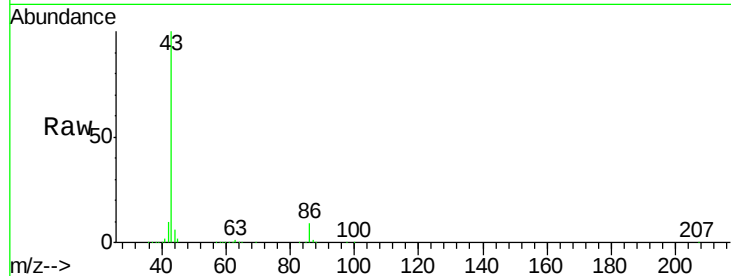
10.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

300000

250000

200000

150000

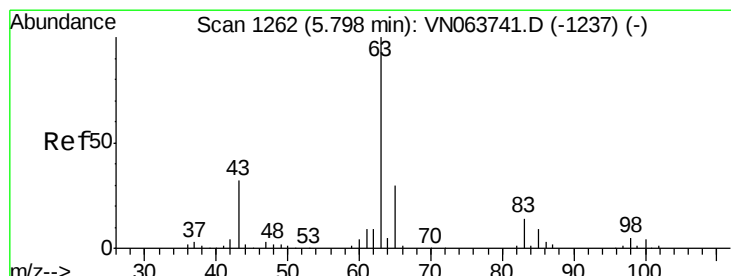
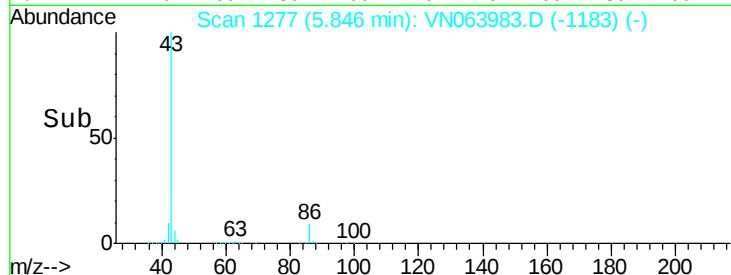
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.810 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion: 63 Resp: 119533

Ion Ratio Lower Upper

63 100

98 6.1

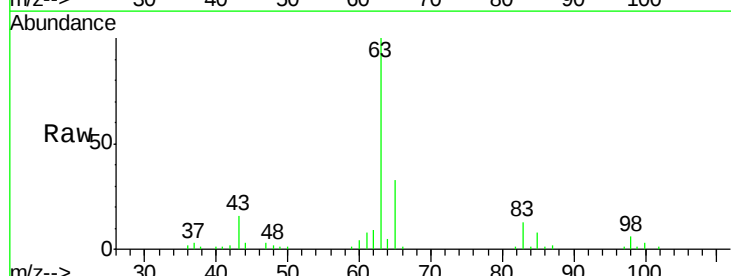
2.7

8.1

100 3.5

1.9

5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

50000

40000

30000

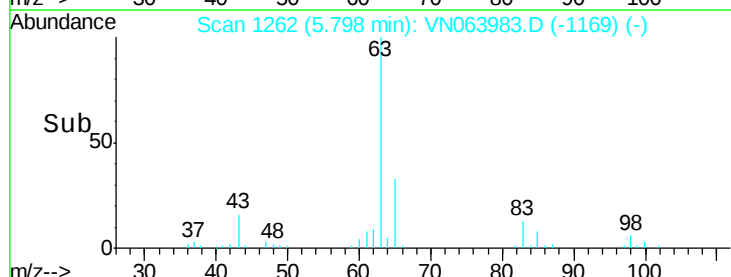
20000

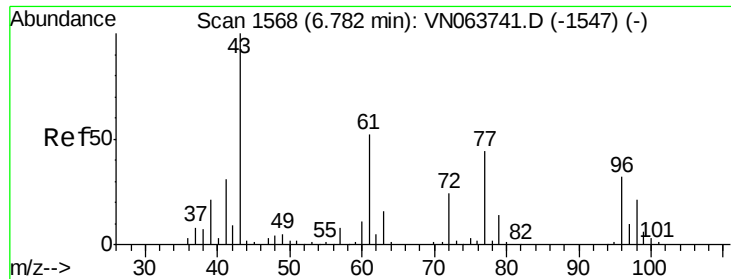
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 110.883 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 43 Resp: 219197

Ion Ratio Lower Upper

43 100

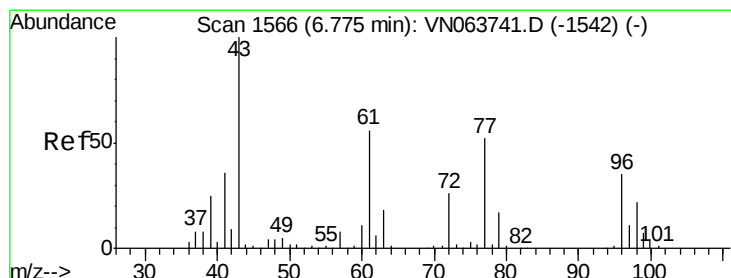
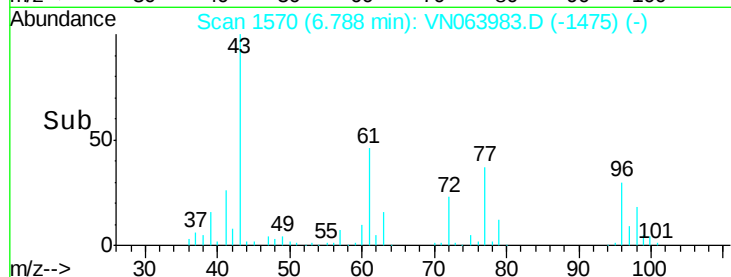
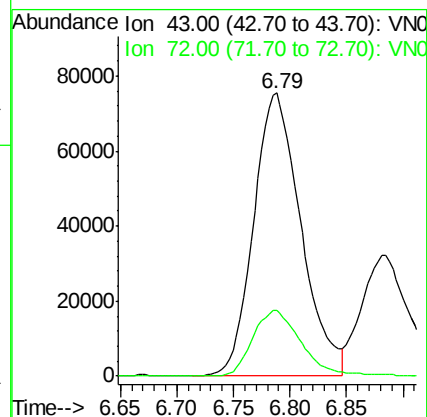
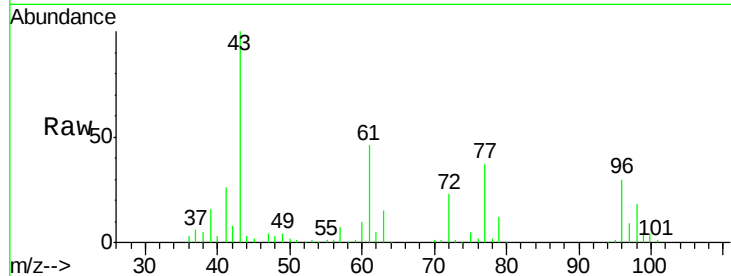
72 23.3 19.3 28.9

Manual Integrations

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MMDadoda

10/9/2020 4:32:04 PM



#26

2,2-Dichloropropane

Concen: 18.735 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN063983.D

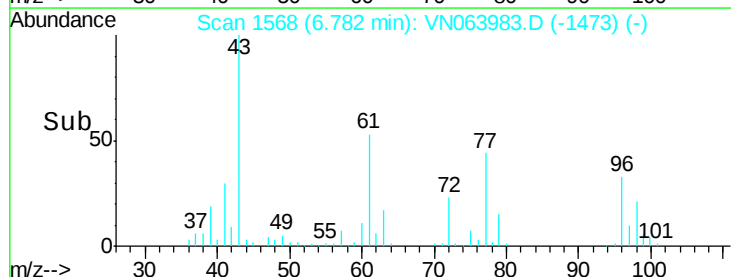
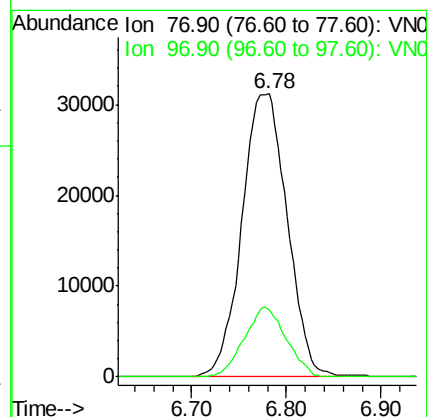
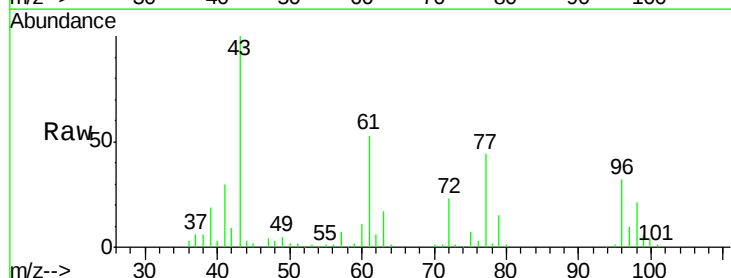
Acq: 8 Oct 2020 12:02

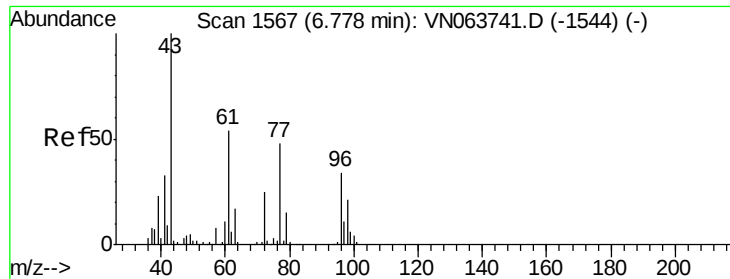
Tgt Ion: 77 Resp: 103524

Ion Ratio Lower Upper

77 100

97 22.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.959 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

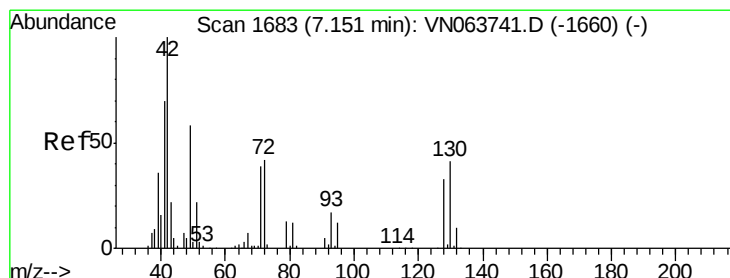
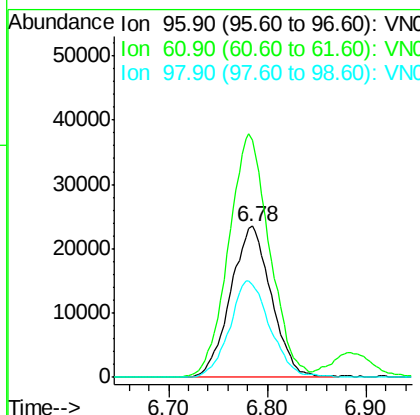
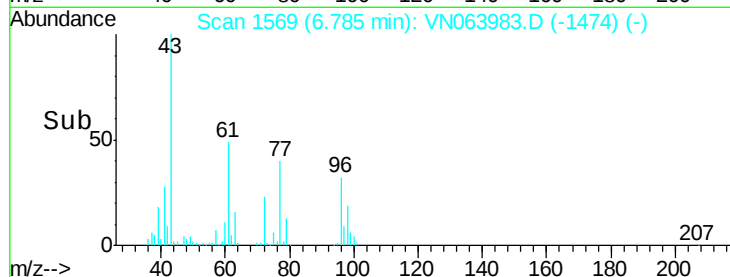
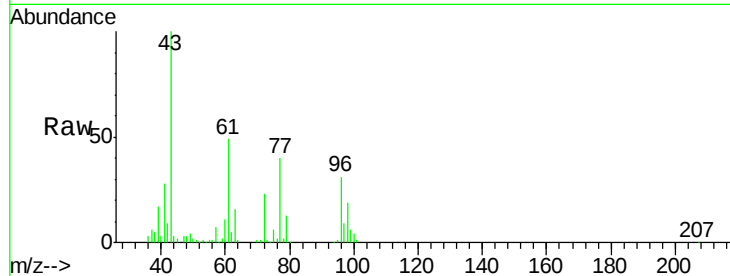
ClientSampleId :

VN1008WBS01

Tot Ion:	96	Resp:	67429
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	321.2
98	63.2	0.0	124.4

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#28

Bromochloromethane

Concen: 17.943 ug/l

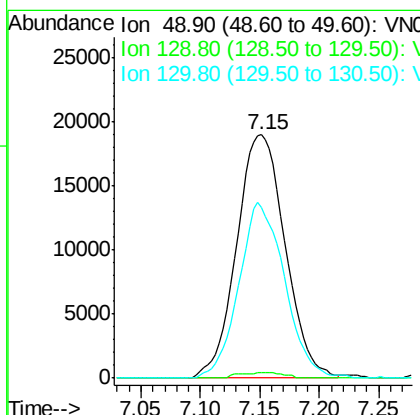
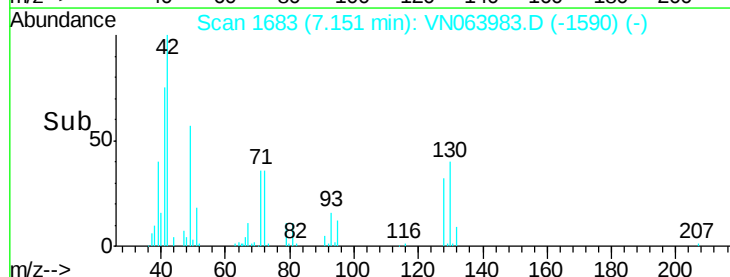
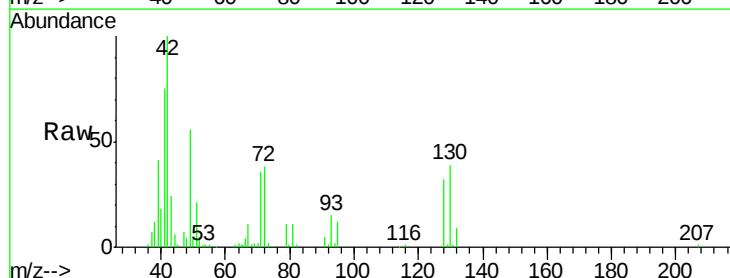
RT: 7.15 min Scan# 1683

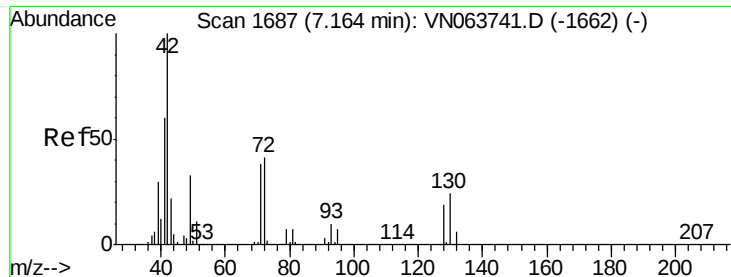
Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion:	49	Resp:	53510
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	67.9	55.6	83.4





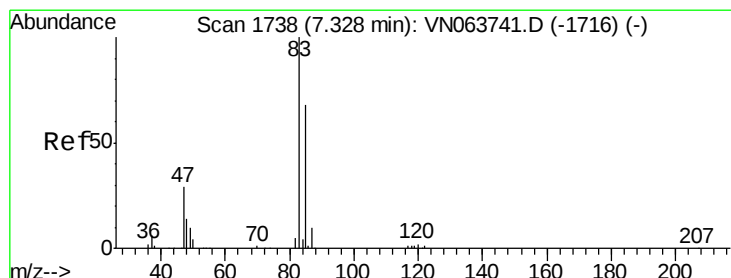
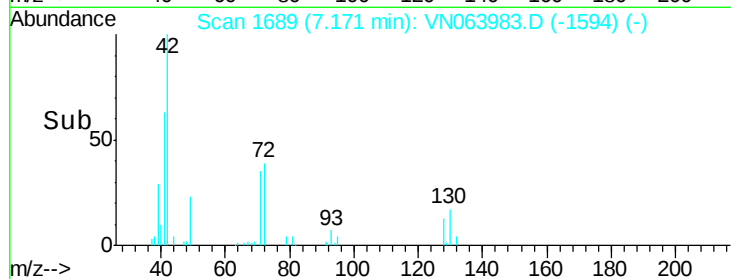
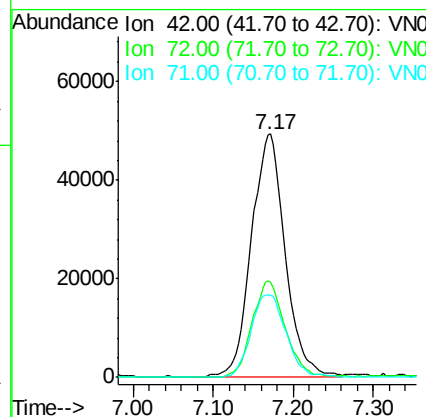
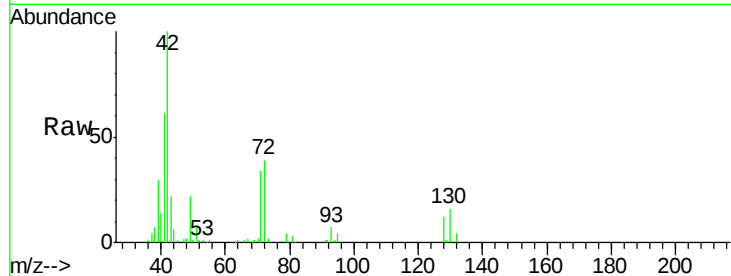
#29
Tetrahydrofuran
Concen: 107.422 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	32.8	49.2
71	34.7	30.6	45.8

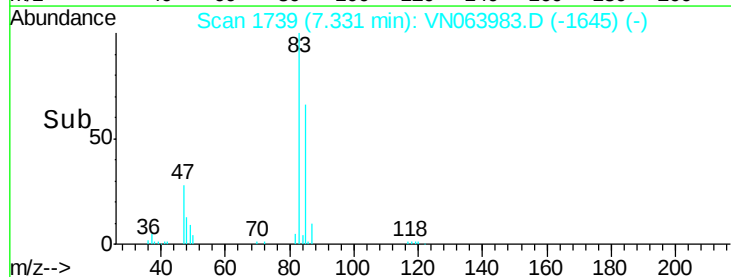
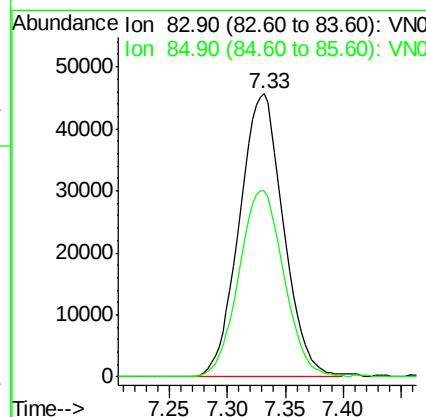
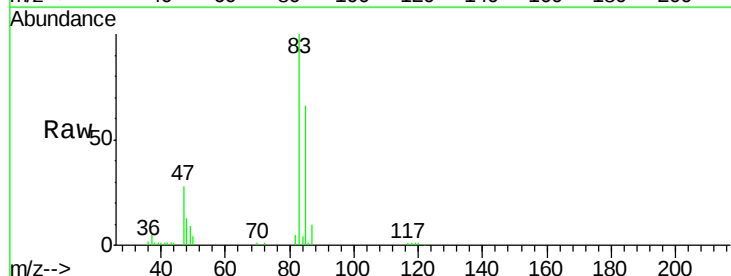
Manual Integrations
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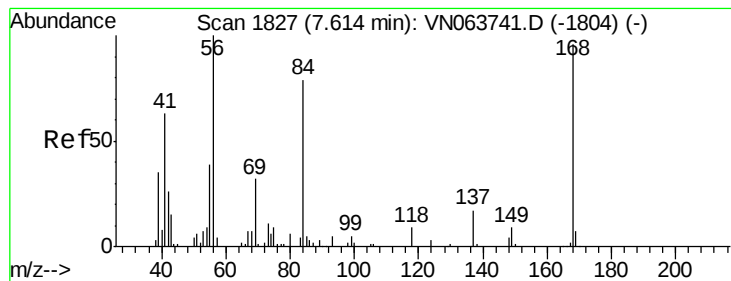
MMDadoda
10/9/2020 4:32:04 PM



#30
Chloroform
Concen: 19.200 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	54.6	82.0





#31

Cyclohexane

Concen: 17.986 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 56 Resp: 94578

Ion Ratio Lower Upper

56 100

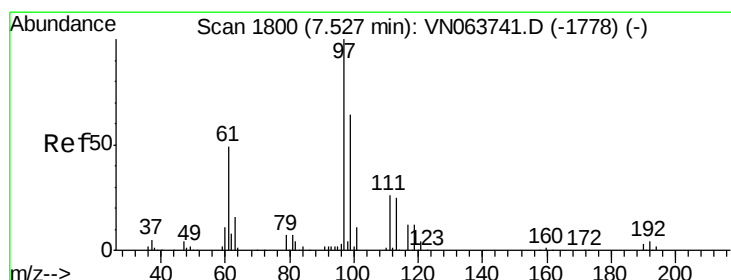
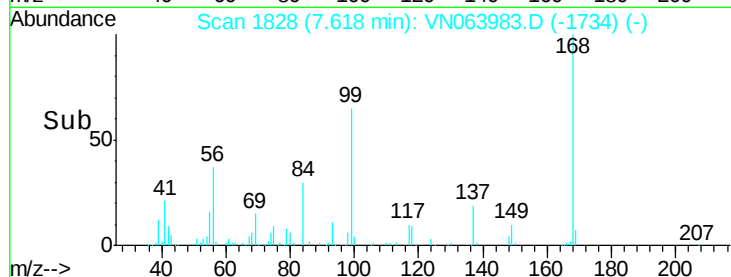
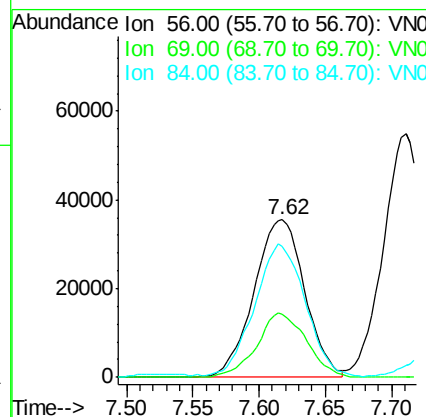
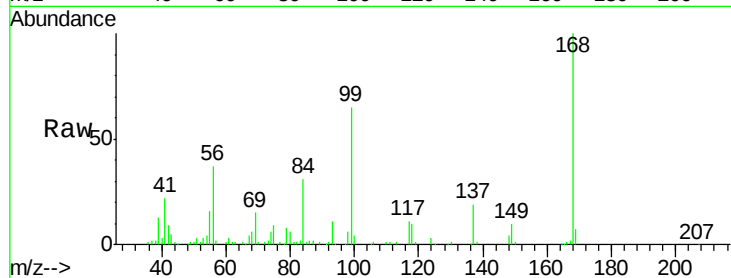
69 40.1 25.4 38.2#

84 82.0 63.3 94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.180 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

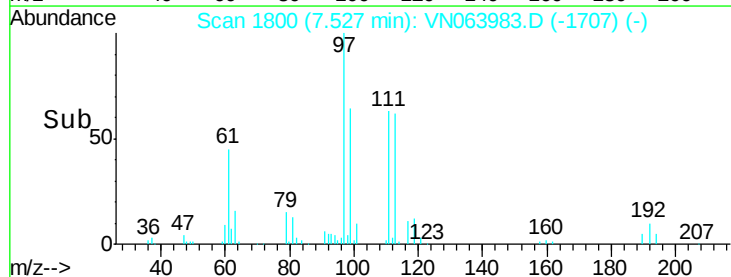
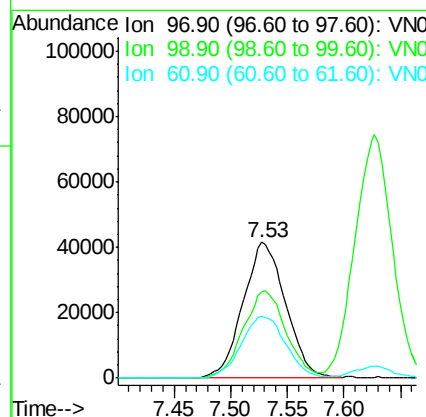
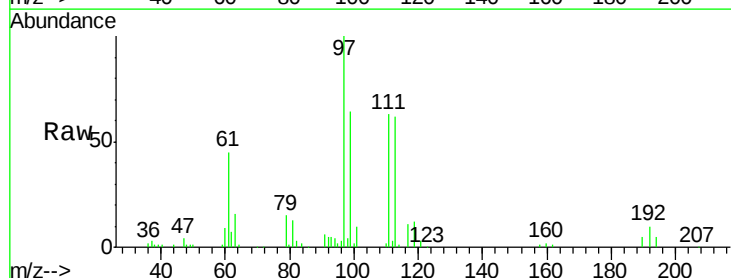
Tgt Ion: 97 Resp: 108841

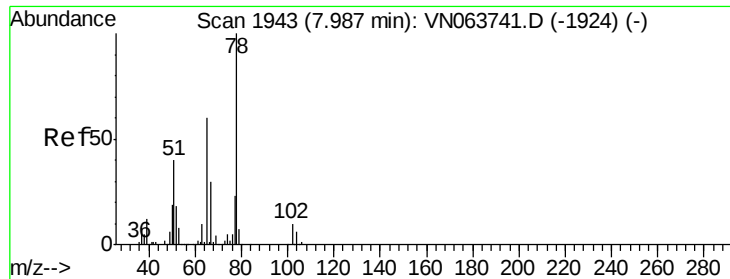
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 47.5 38.7 58.1





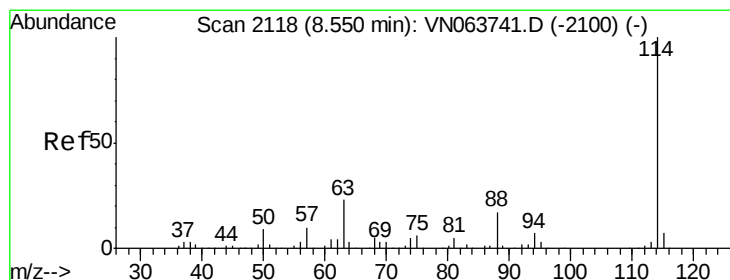
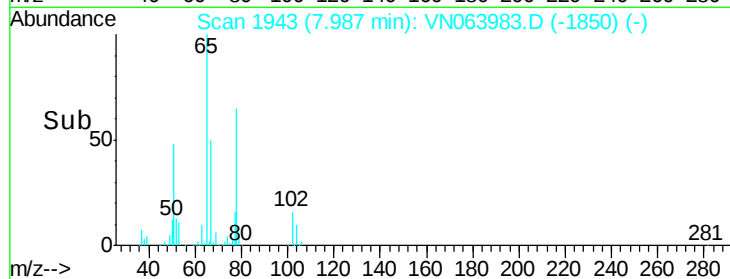
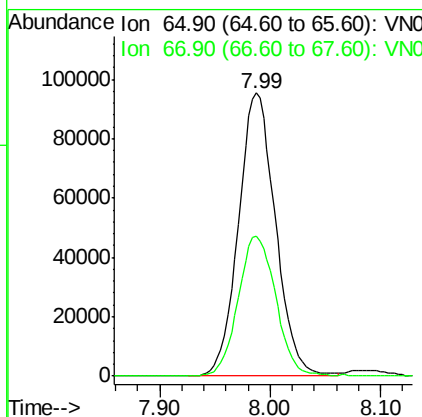
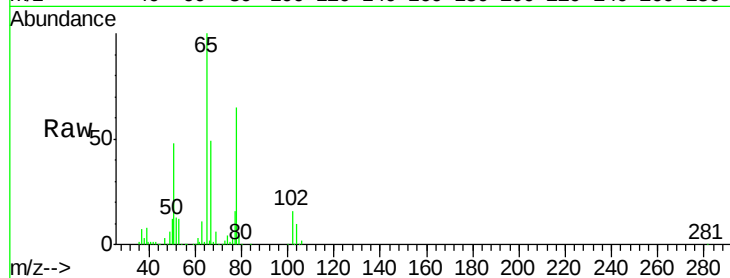
#33
 1,2-Dichloroethane-d4
 Concen: 48.989 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.4	0.0	99.6	

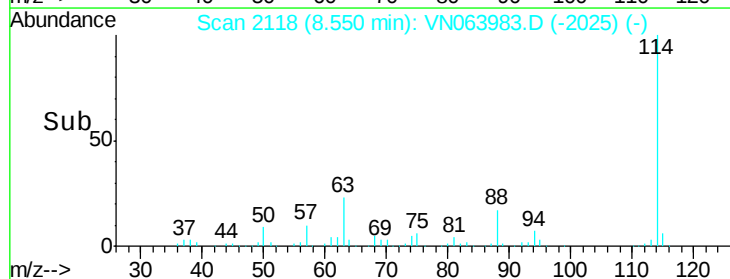
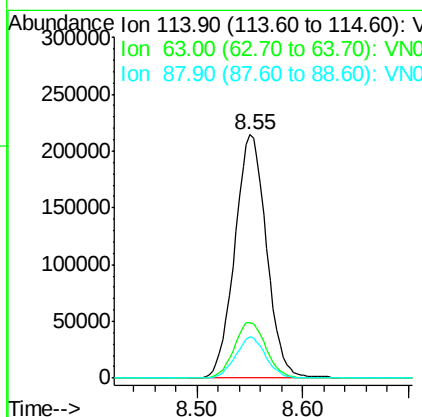
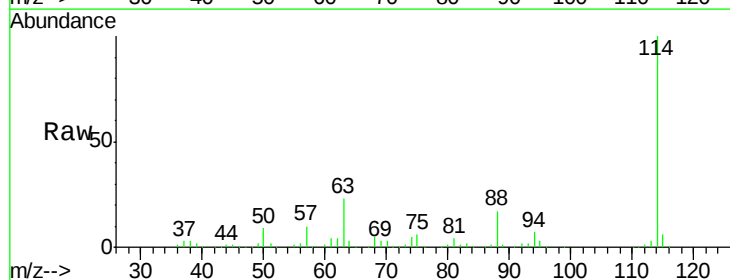
Manual Integrations
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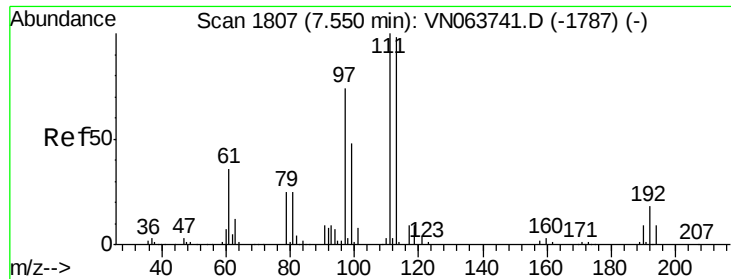
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	45.0	
88	16.8	0.0	34.0	





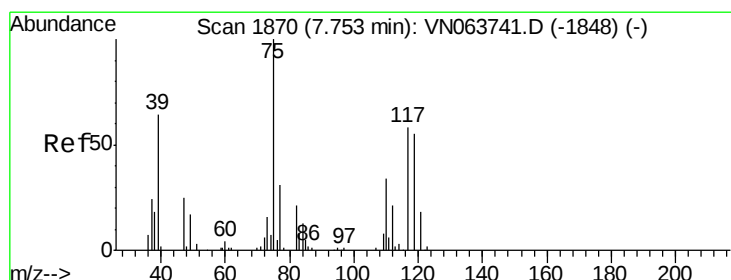
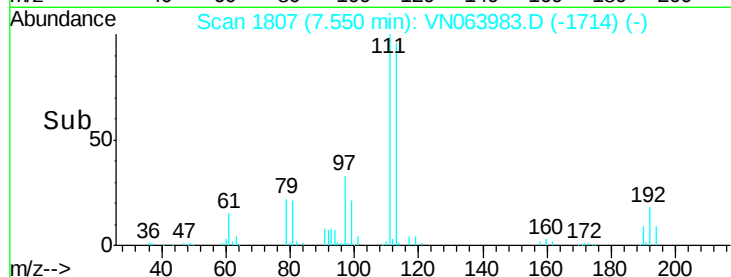
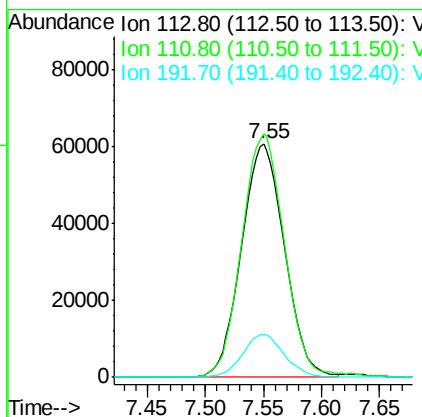
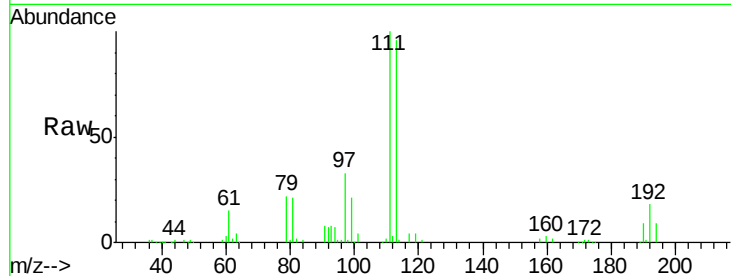
#35
Dibromofluoromethane
Concen: 50.611 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	81.8	122.8	
192	17.6	14.2	21.2	

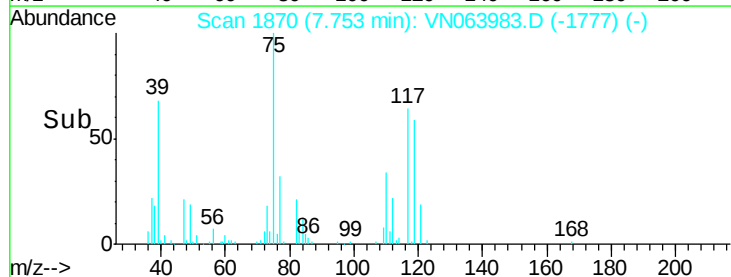
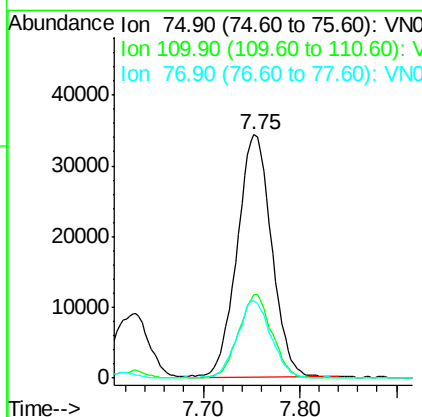
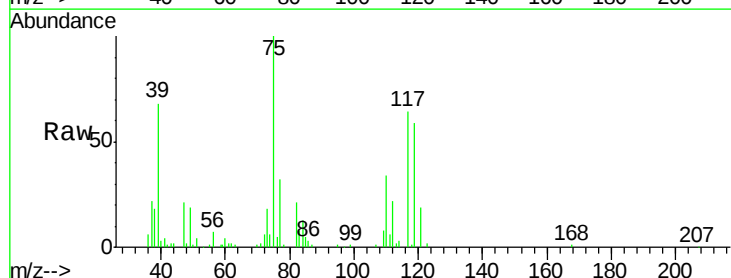
Manual Integrations
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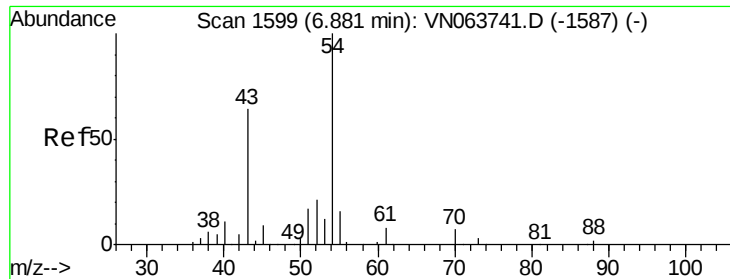
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#36
1,1-Dichloropropene
Concen: 18.815 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	16.9	50.6	
77	31.2	24.5	36.7	





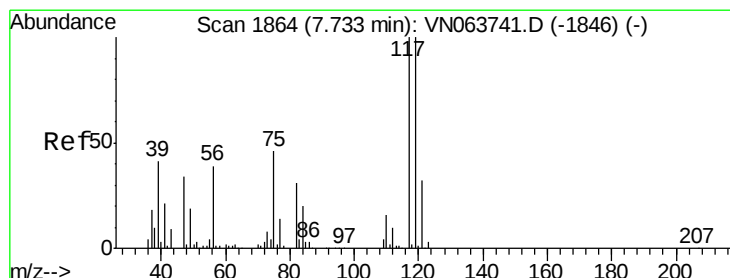
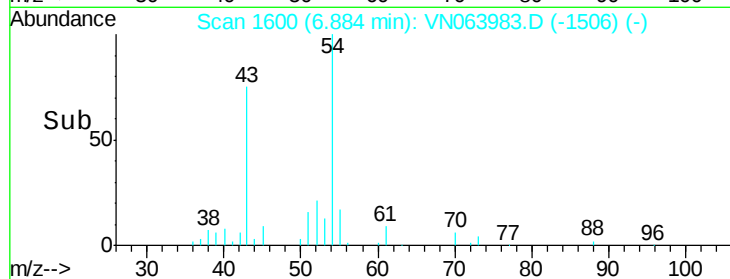
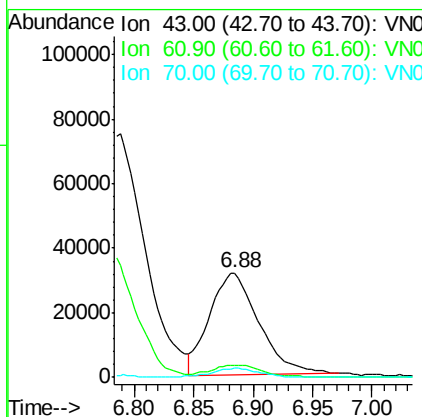
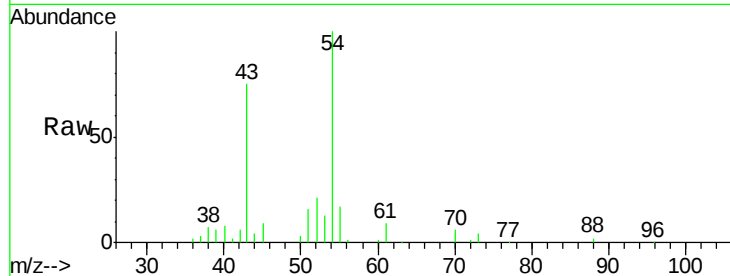
#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	43	61	70
Resp	90967		
Ratio	100	12.9	8.5
Lower		10.4	7.3
Upper		15.6	10.9

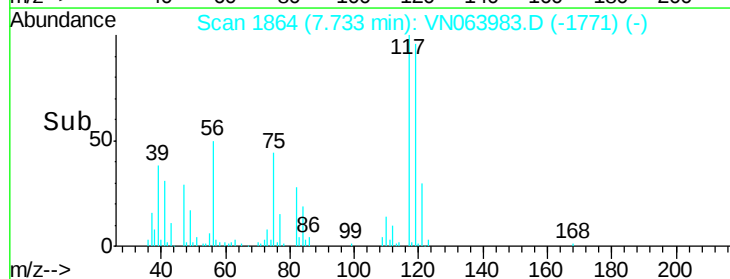
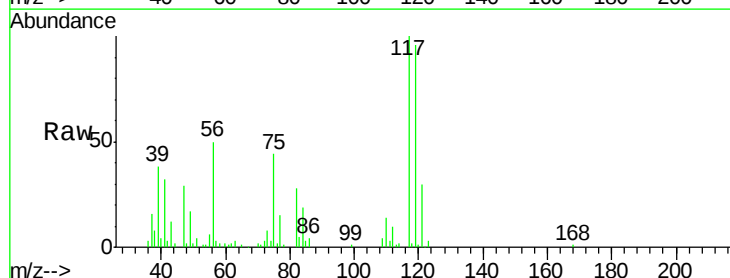
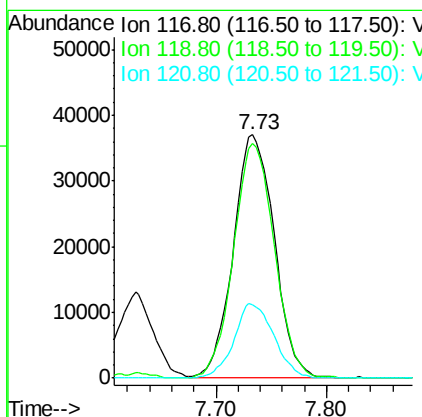
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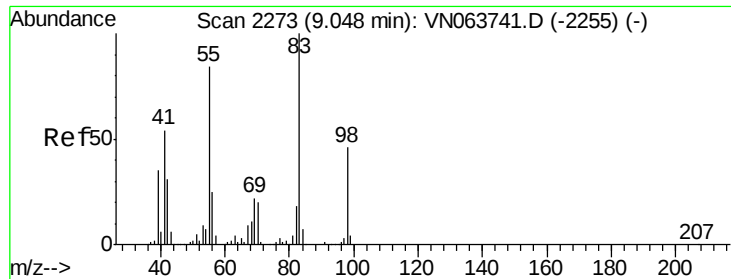
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.857 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	117	119	121
Resp	95689		
Ratio	100	96.2	30.0
Lower		80.1	25.7
Upper		120.1	38.5





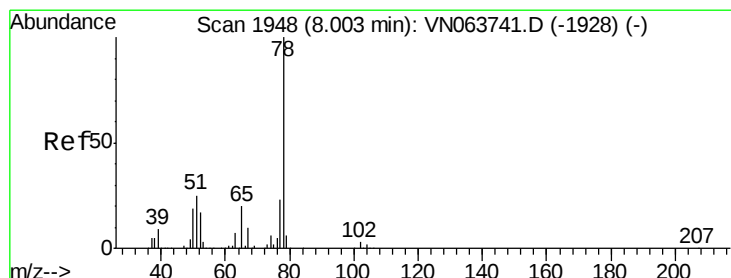
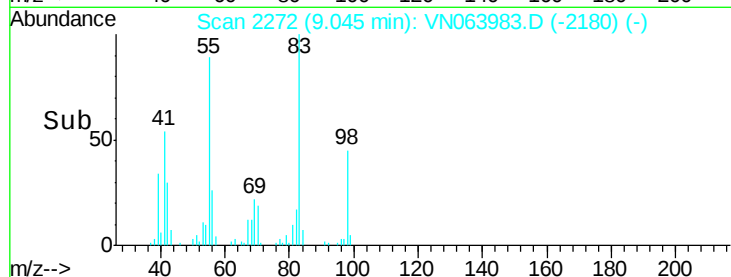
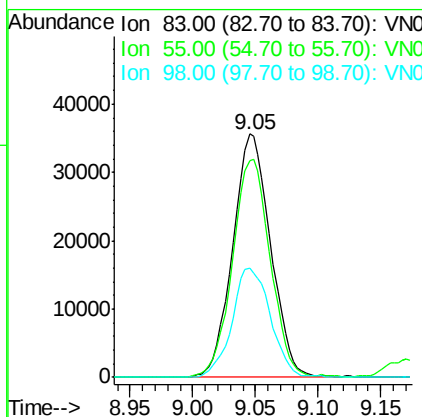
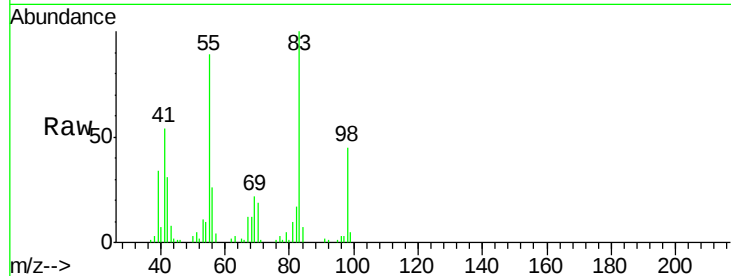
#39
Methvlcvclohexane
Concen: 16.536 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	83	Resp	74624
Ion Ratio	Lower	Upper	
83	100		
55	89.2	67.1	100.7
98	44.8	36.6	54.8

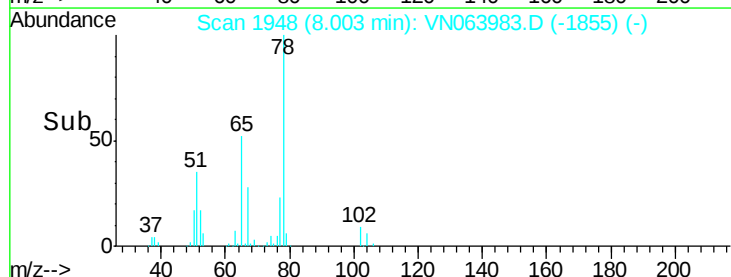
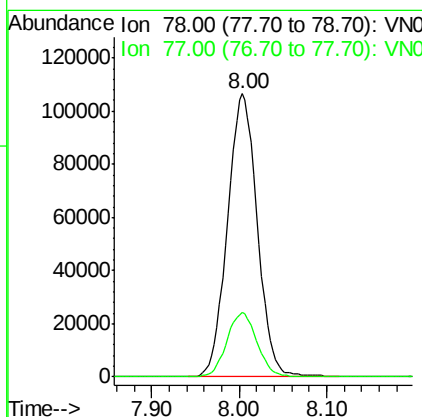
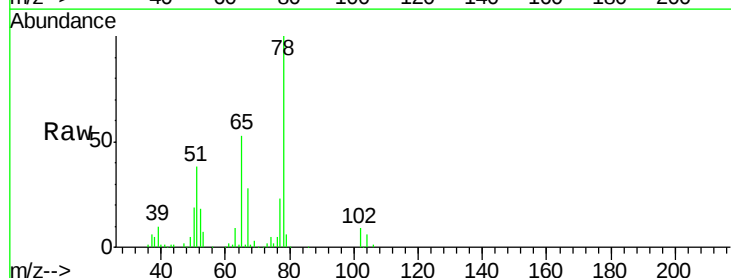
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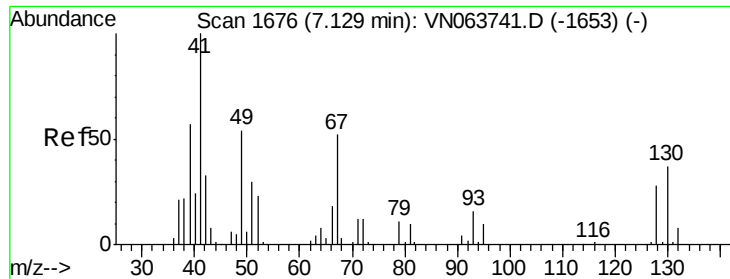
MMDadoda
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#40
Benzene
Concen: 19.495 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	78	Resp	251987
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.7	28.1





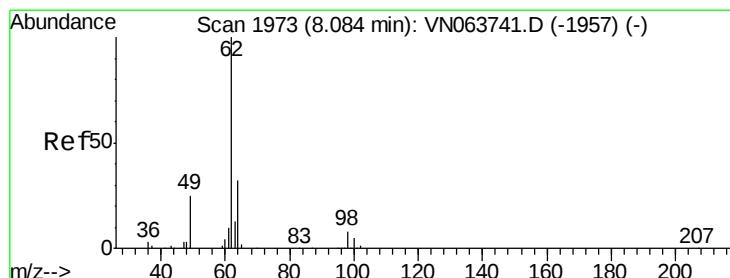
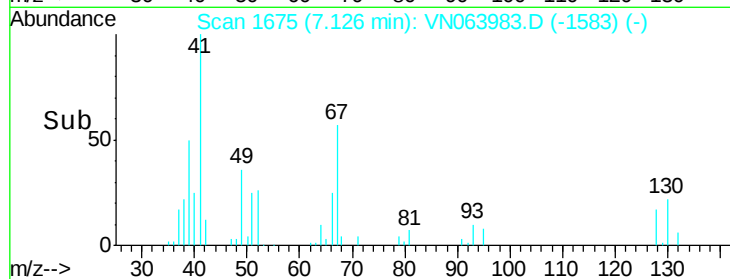
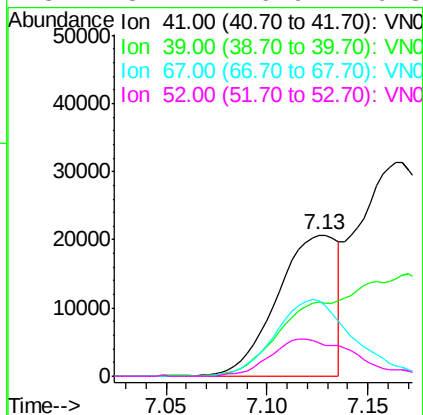
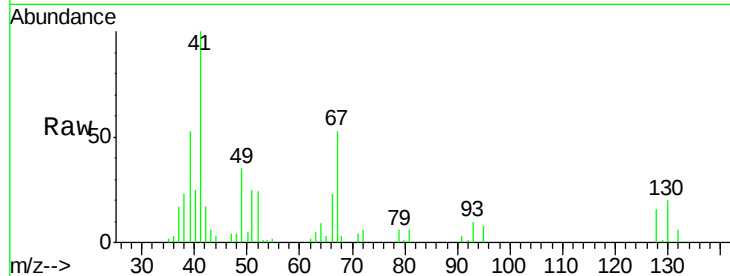
#41
Methacrylonitrile
Concen: 21.542 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	70.0	57.4	86.2
52	37.4	26.9	40.3

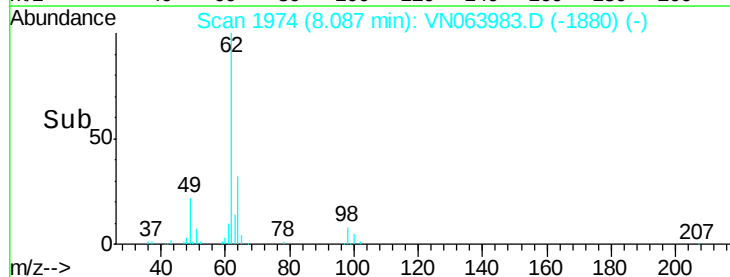
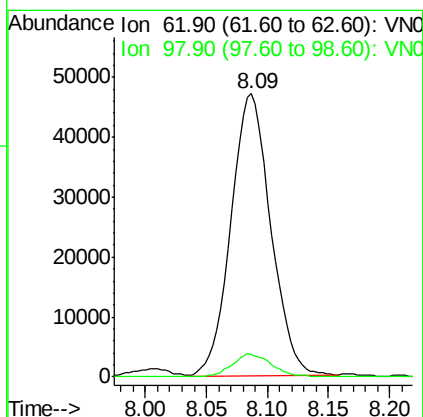
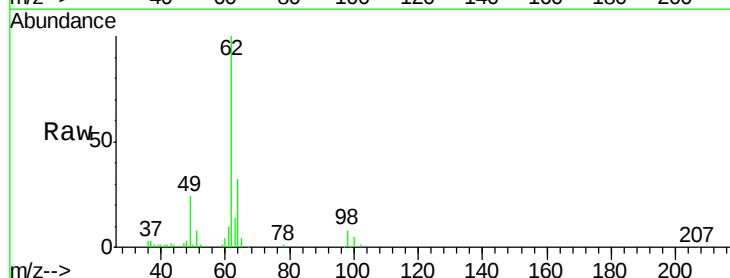
Manual Integrations
APPROVED

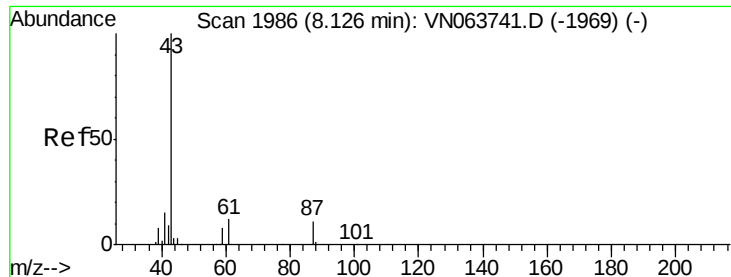
MMDadoda
10/9/2020 4:32:04 PM



#42
1,2-Dichloroethane
Concen: 19.334 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.0





#43

Isopropyl Acetate

Concen: 20.440 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

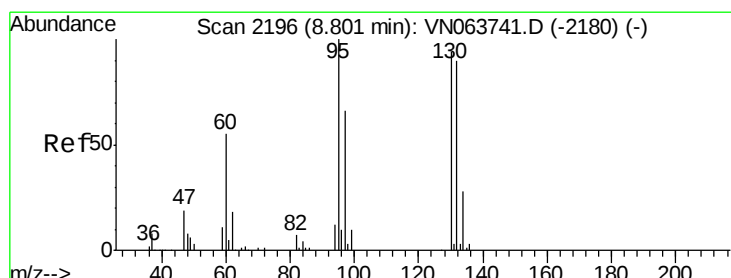
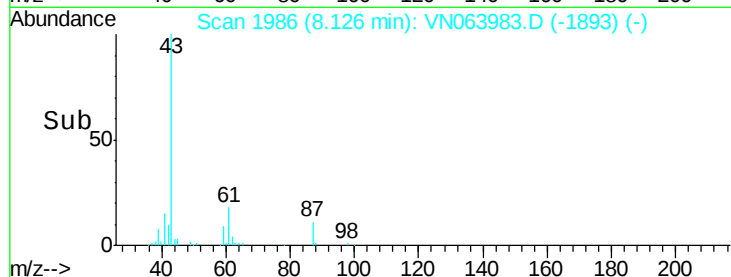
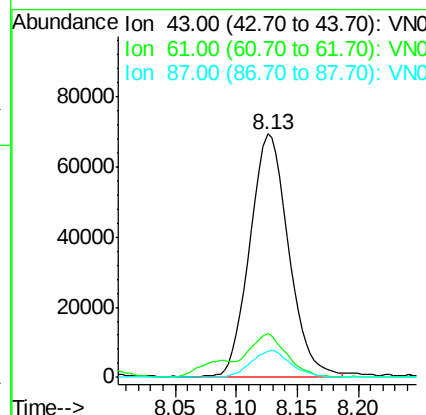
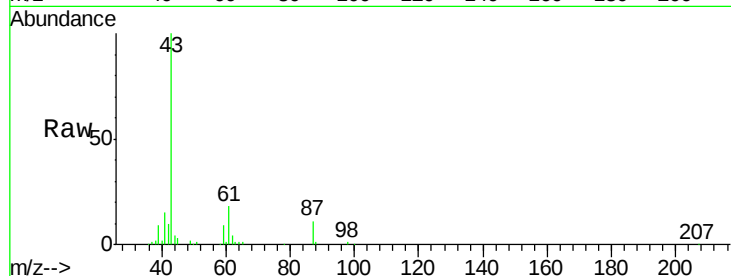
ClientSampleId :

VN1008WBS01

Tot Ion:	43	Resp:	151587
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.4
87	11.3	9.0	13.6

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#44

Trichloroethene

Concen: 18.582 ug/l

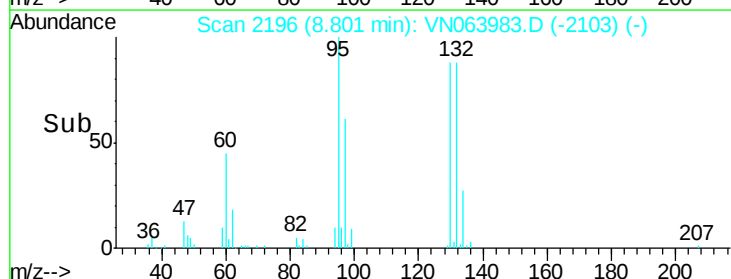
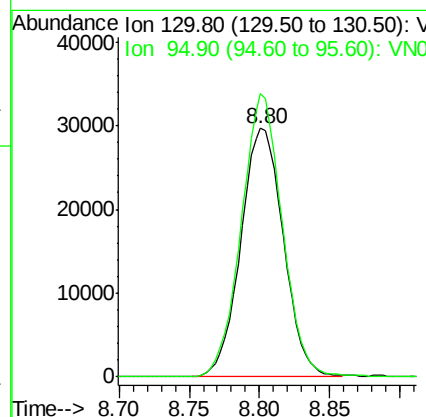
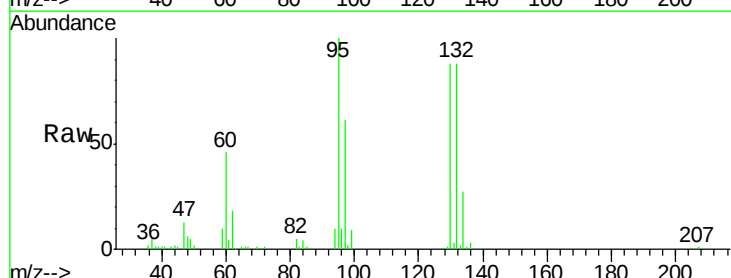
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion:	130	Resp:	62931
Ion	Ratio	Lower	Upper
130	100		
95	113.9	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.661 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 63 Resp: 68635

Ion Ratio Lower Upper

63 100

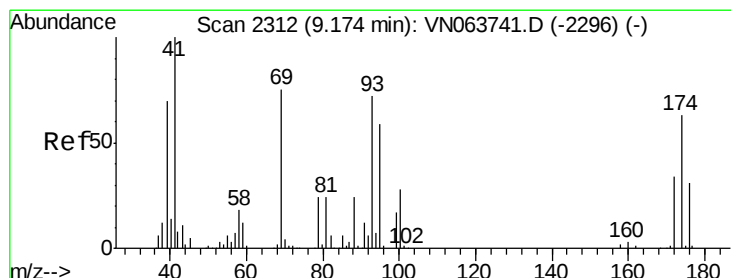
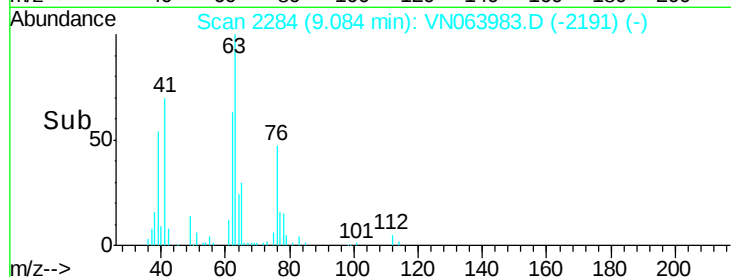
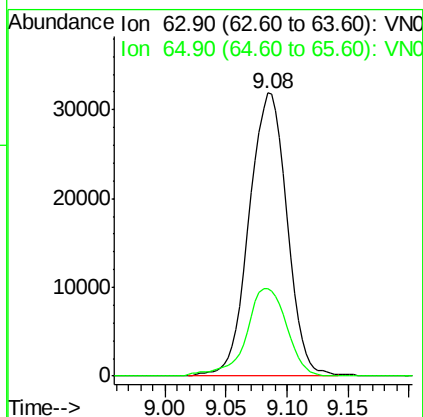
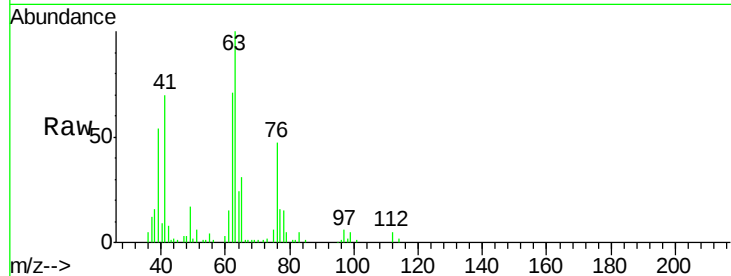
65 30.9 24.7 37.1

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10/9/2020 4:32:04 PM



#46

Dibromomethane

Concen: 19.245 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

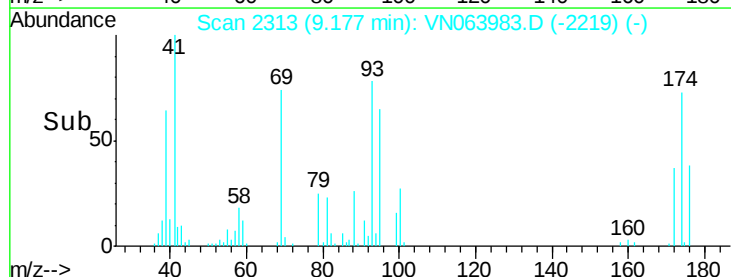
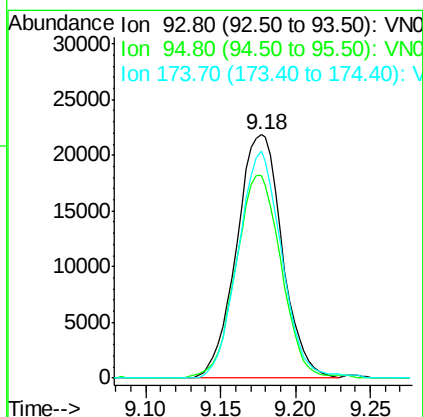
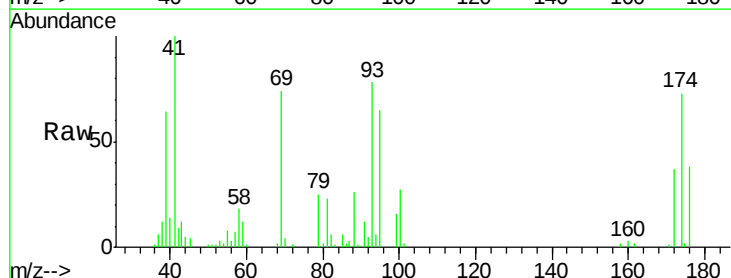
Tgt Ion: 93 Resp: 46344

Ion Ratio Lower Upper

93 100

95 82.4 66.3 99.5

174 89.3 72.7 109.1





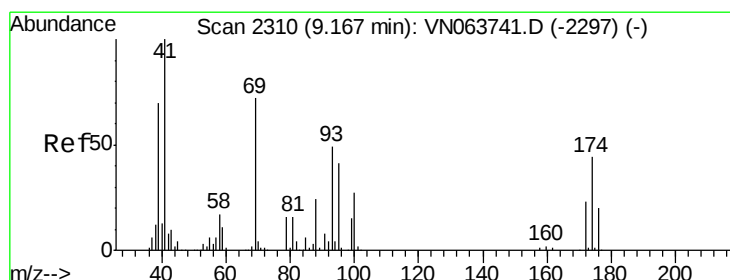
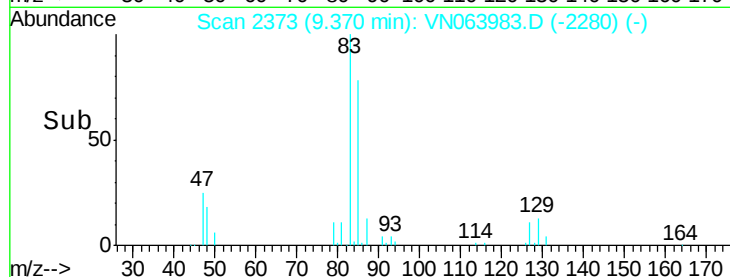
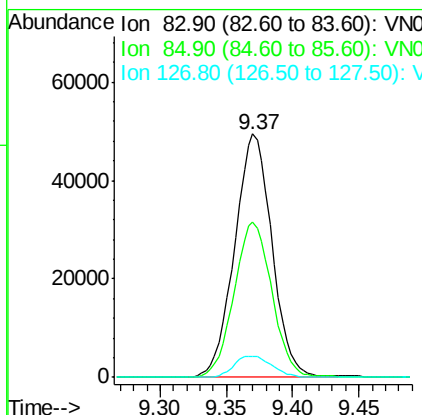
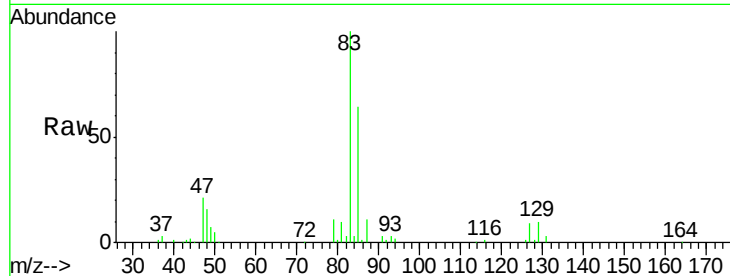
#47
Bromodichloromethane
Concen: 19.532 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	83	Resp	96941
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.6	75.8
127	8.7	6.6	9.8

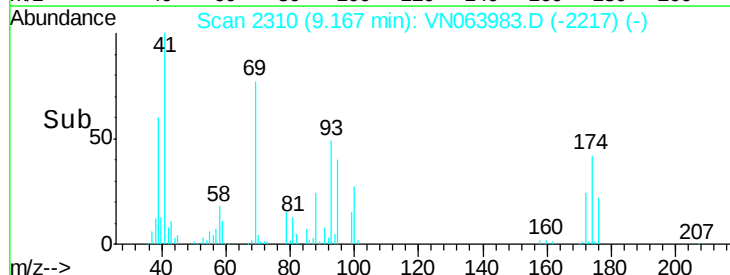
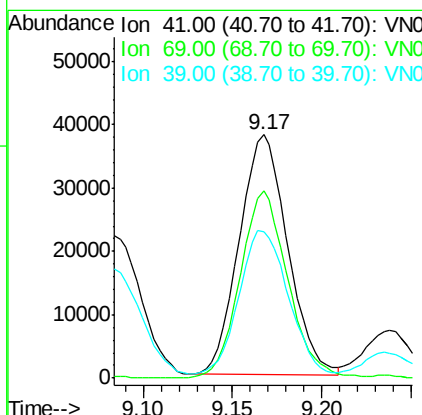
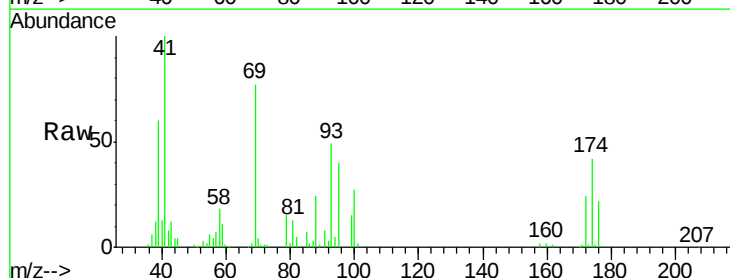
Manual Integrations
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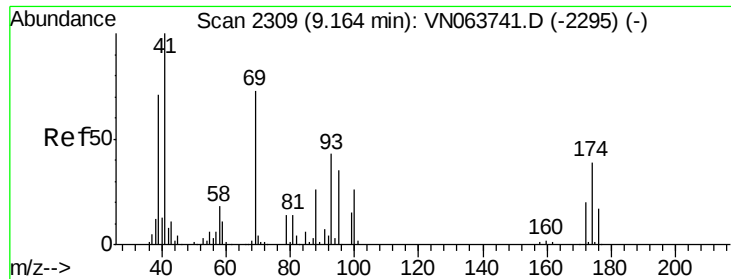
MMDadoda
10/9/2020 4:32:04 PM



#48
Methyl methacrylate
Concen: 19.656 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	41	Resp	72019
Ion Ratio	100	Lower	Upper
41	100		
69	76.6	60.9	91.3
39	63.1	57.5	86.3





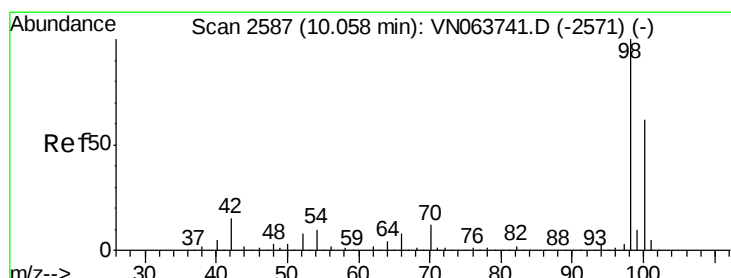
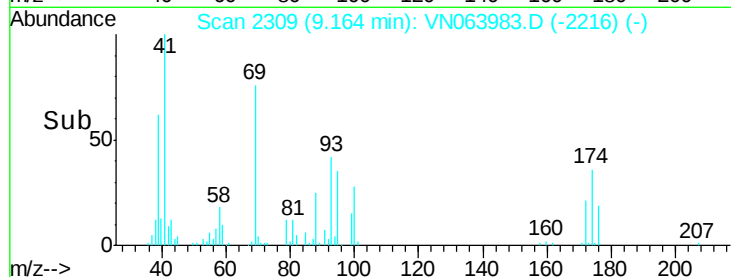
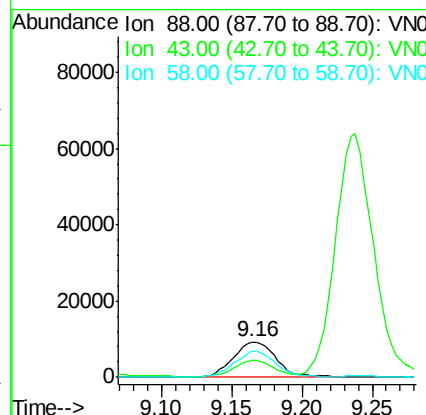
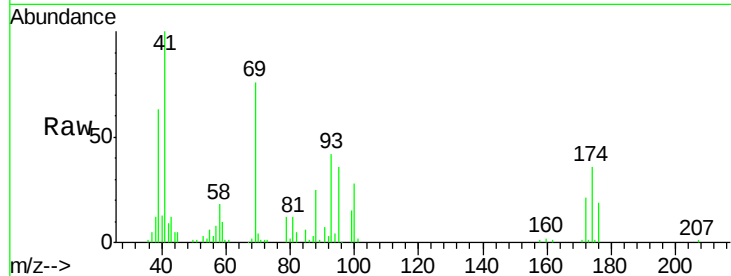
#49
1,4-Dioxane
Concen: 382.765 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.1	49.7
58	71.9	58.9	88.3

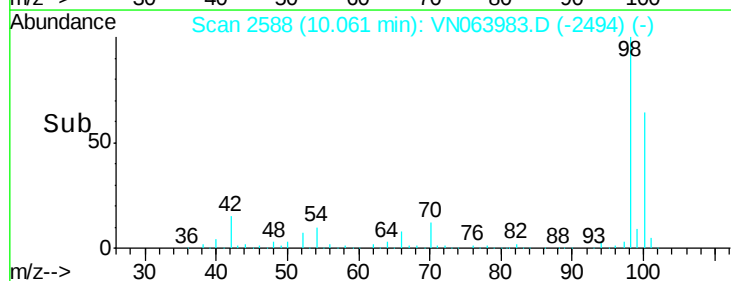
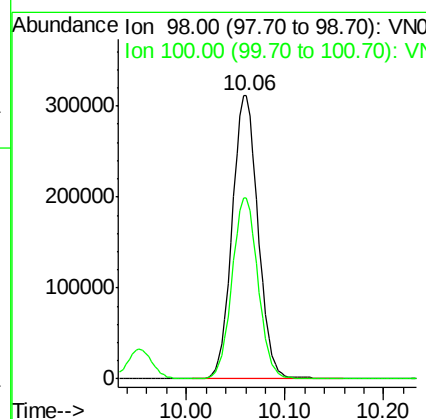
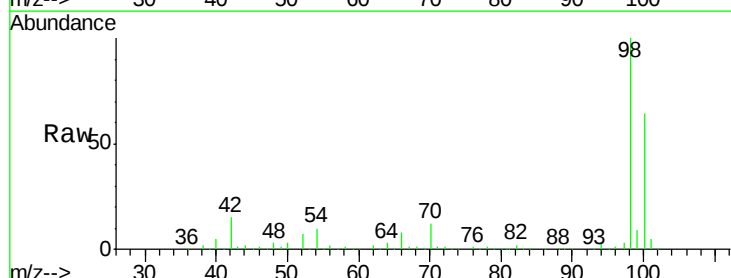
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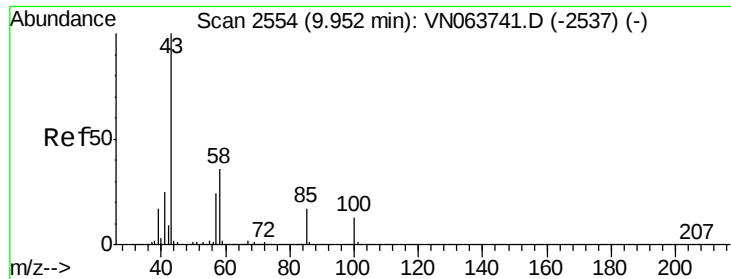
MMDadoda
10/9/2020 4:32:04 PM



#50
Toluene-d8
Concen: 48.379 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.6





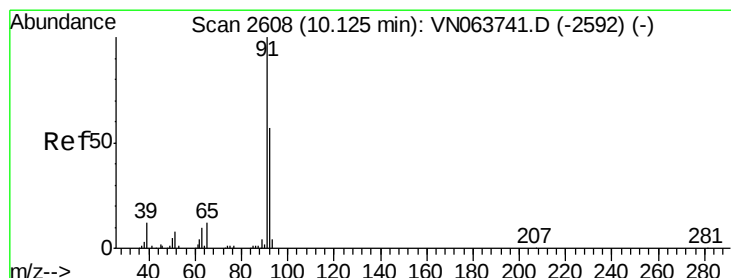
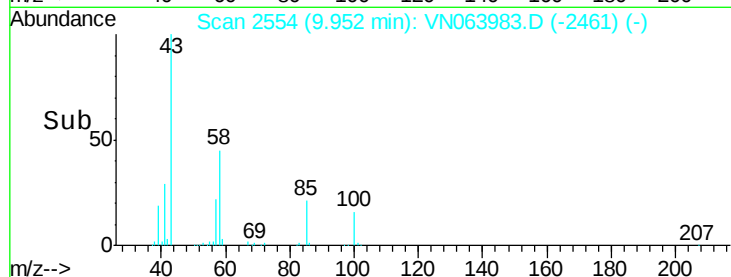
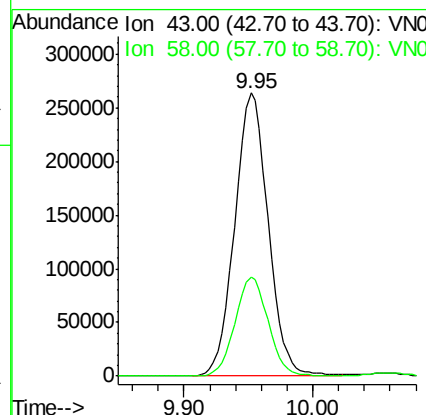
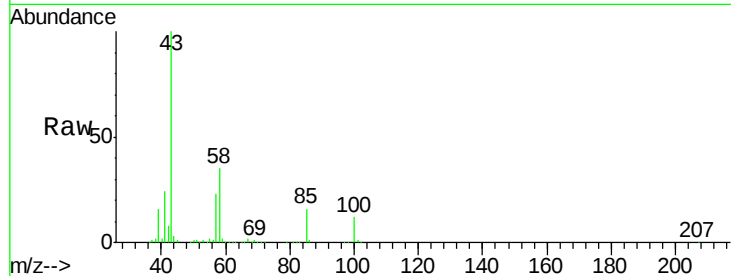
#51
4-Methyl-2-Pentanone
Concen: 108.691 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	43	Resp	473034
Ion Ratio	100	Lower	Upper
58	34.8	28.4	42.6

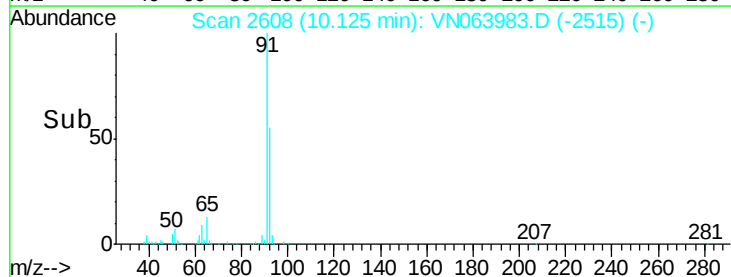
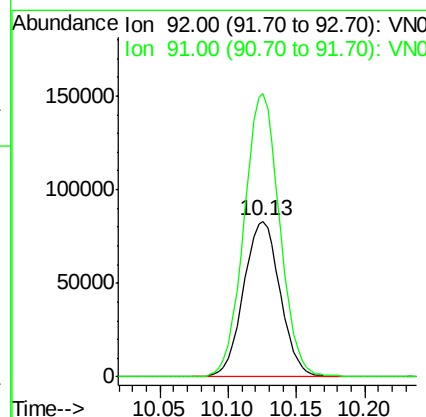
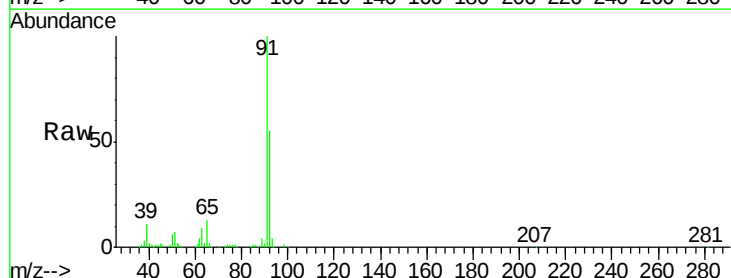
Manual Integrations
APPROVED

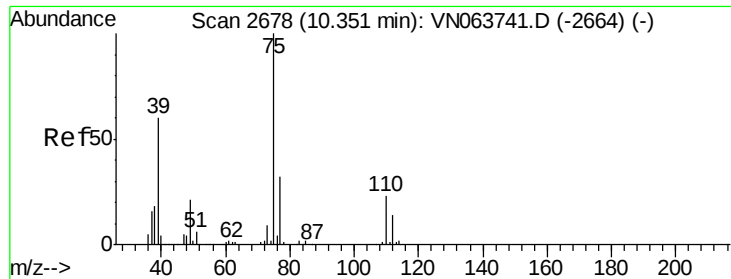
MMDadoda
10/9/2020 4:32:04 PM



#52
Toluene
Concen: 19.351 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	92	Resp	154711
Ion Ratio	100	Lower	Upper
91	177.8	140.6	210.8





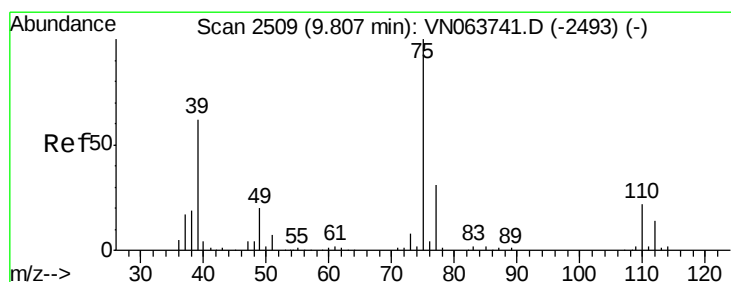
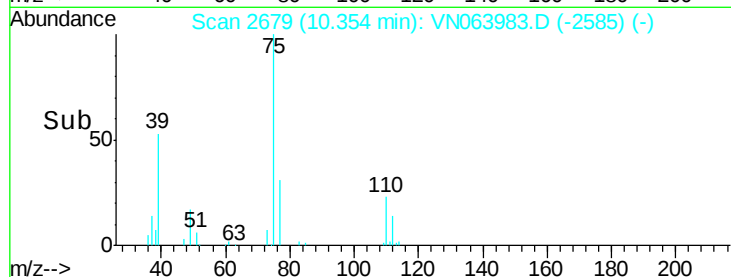
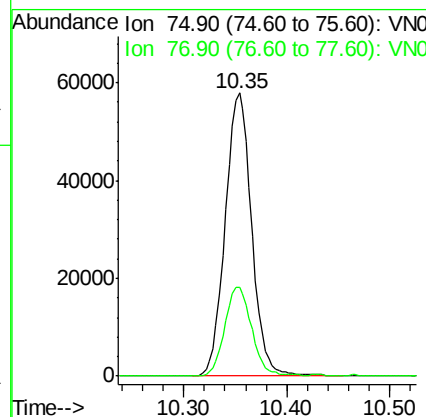
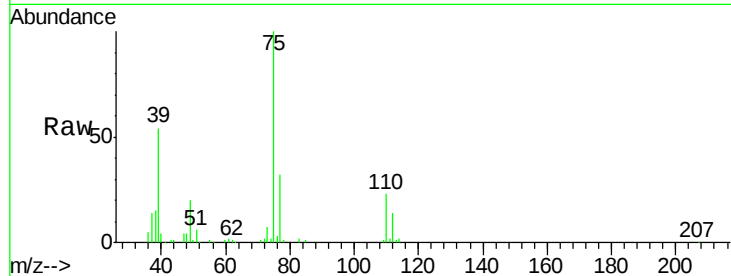
#53
t-1,3-Dichloropropene
Concen: 19.416 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 75 Resp: 103298
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

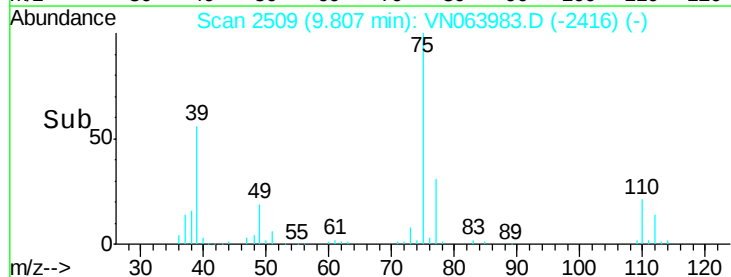
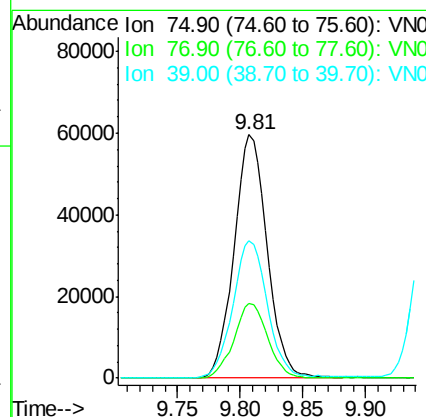
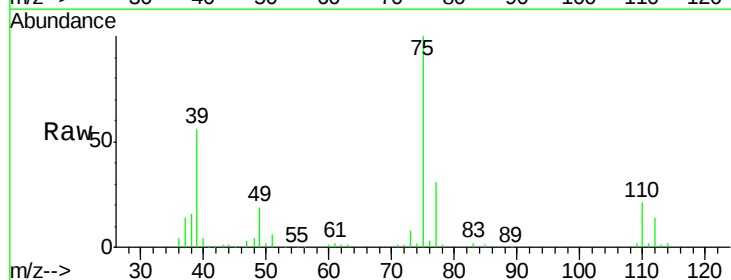
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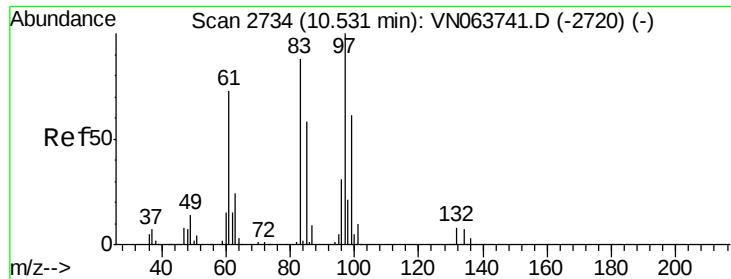
MMDadoda
10/9/2020 4:32:04 PM



#54
cis-1,3-Dichloropropene
Concen: 19.574 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion: 75 Resp: 108909
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 56.5 49.7 74.5





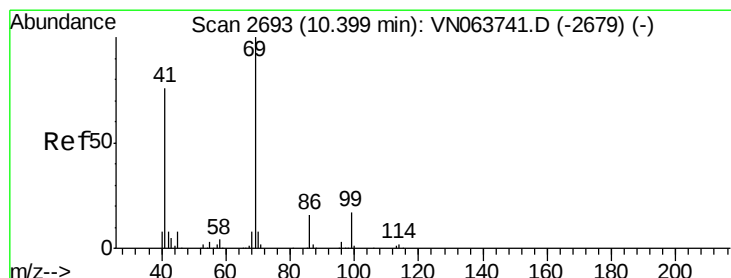
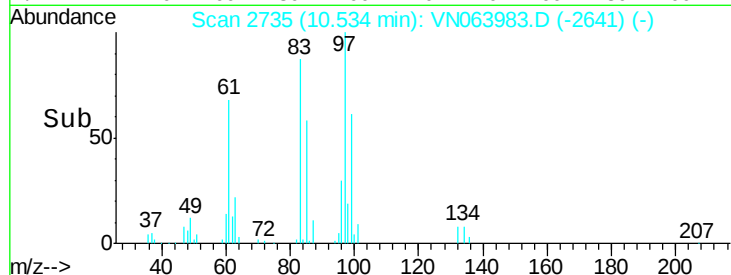
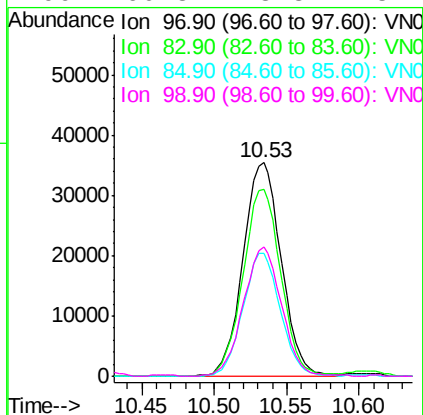
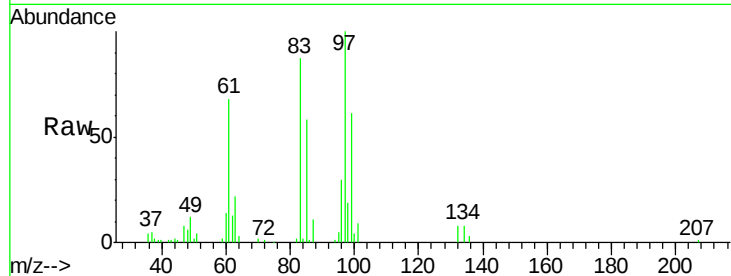
#55
 1,1,2-Trichloroethane
 Concen: 20.284 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.7	106.1
85	57.6	46.1	69.1
99	60.8	48.8	73.2

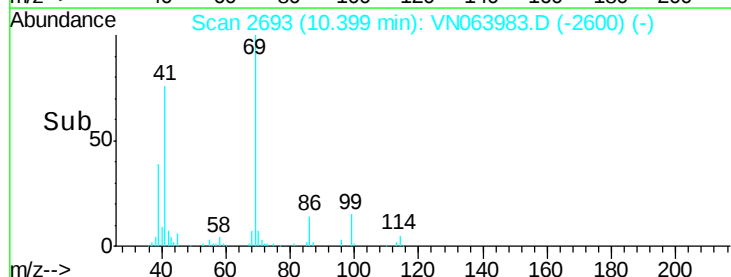
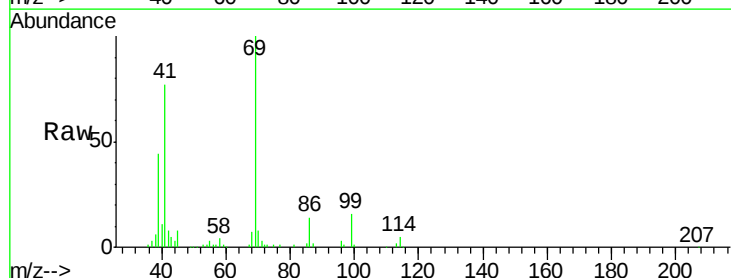
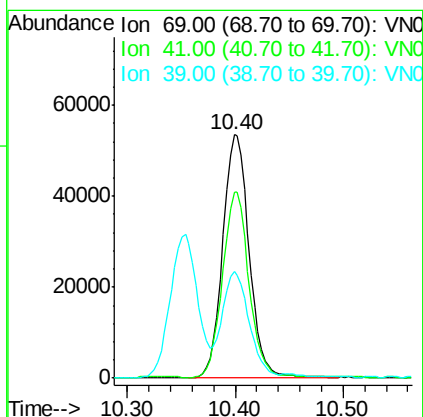
Manual Integrations
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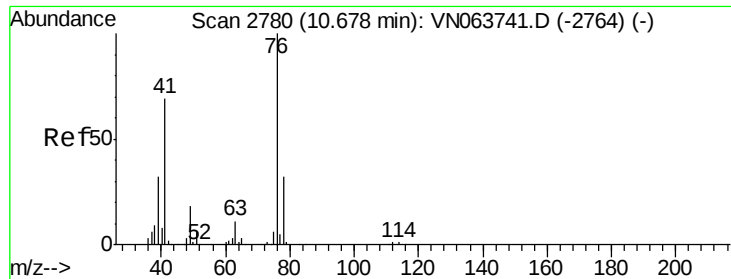
MMDadoda
 10/9/2020 4:32:04 PM



#56
 Ethyl methacrylate
 Concen: 20.129 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.1	91.7
39	43.2	42.2	63.4





#57

1,3-Dichloropropane

Concen: 19.759 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 76 Resp: 107185

Ion Ratio Lower Upper

76 100

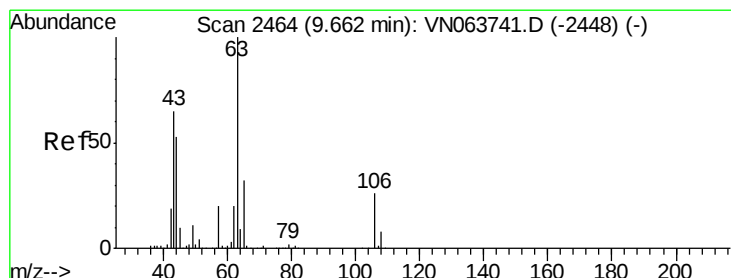
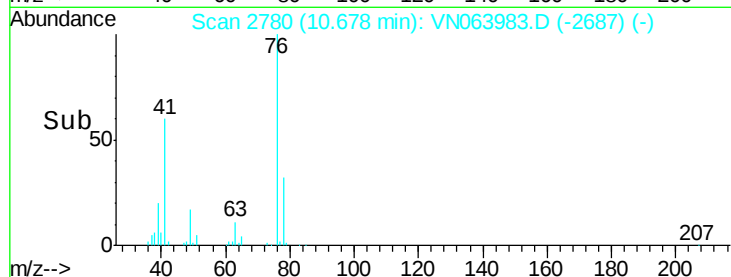
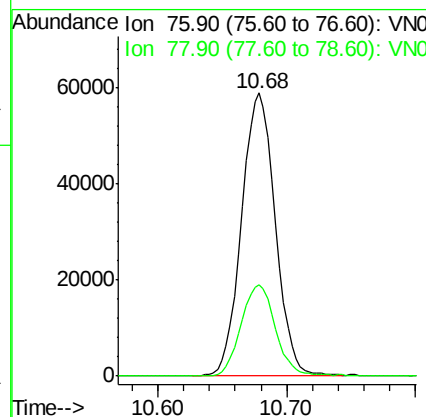
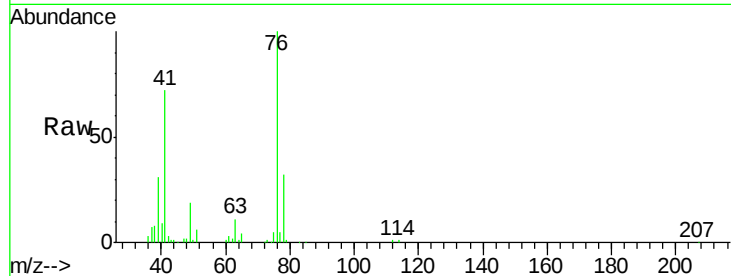
78 32.9 25.2 37.8

Manual Integrations

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10/9/2020 4:32:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.315 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063983.D

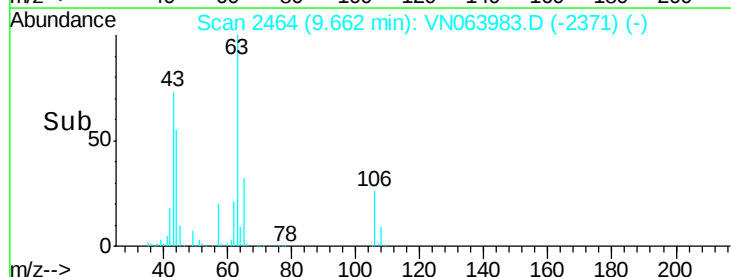
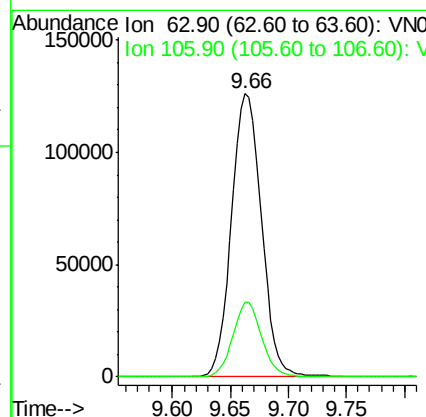
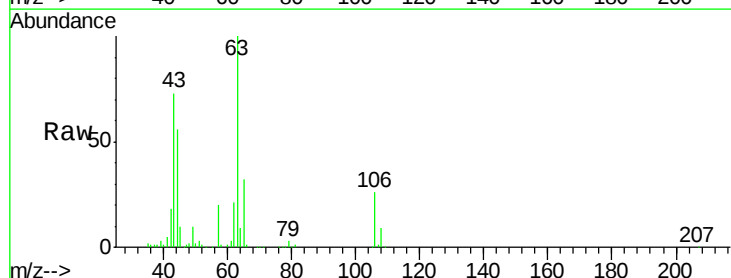
Acq: 8 Oct 2020 12:02

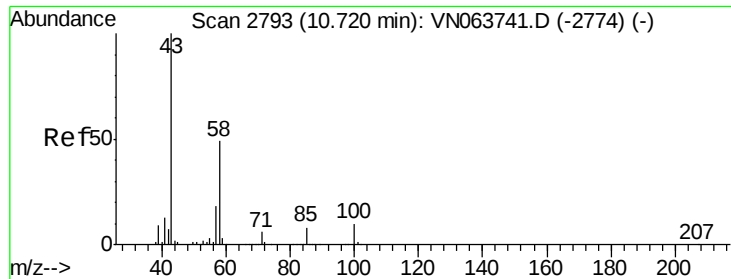
Tgt Ion: 63 Resp: 226855

Ion Ratio Lower Upper

63 100

106 25.3 20.7 31.1





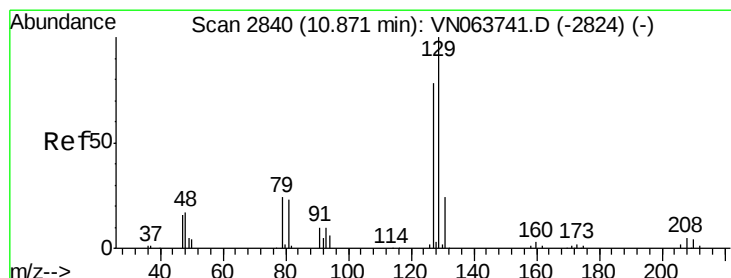
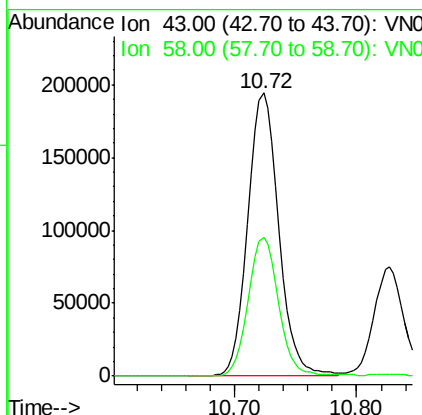
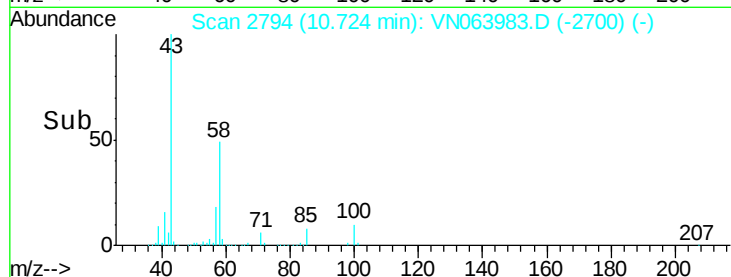
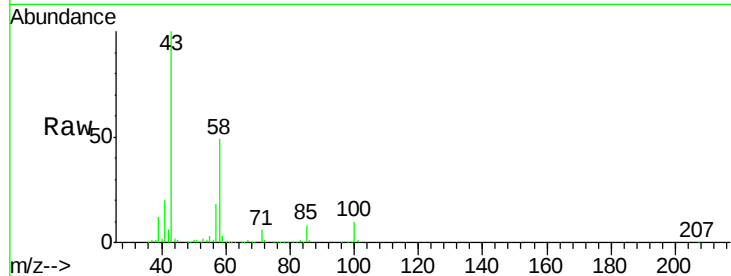
#59
2-Hexanone
Concen: 104.477 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 43 Resp: 337776
Ion Ratio Lower Upper
43 100
58 48.3 24.6 73.8

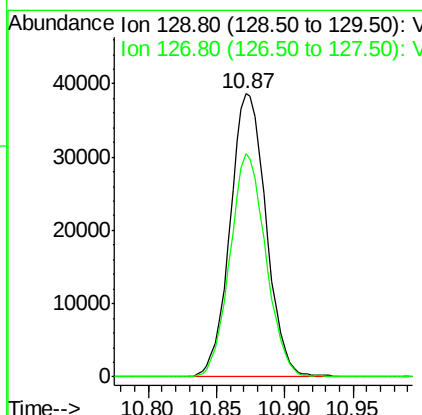
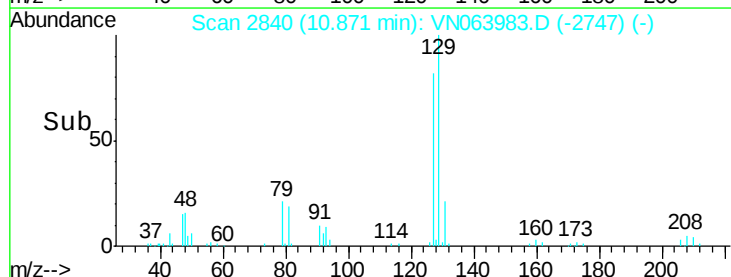
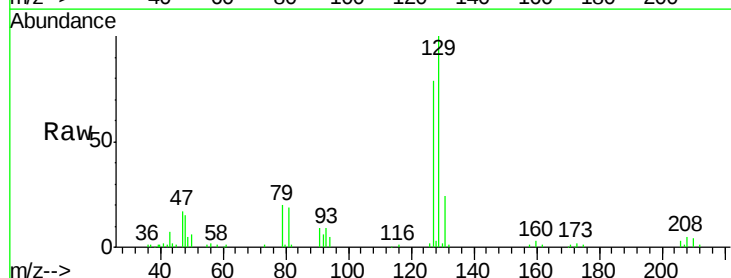
Manual Integrations
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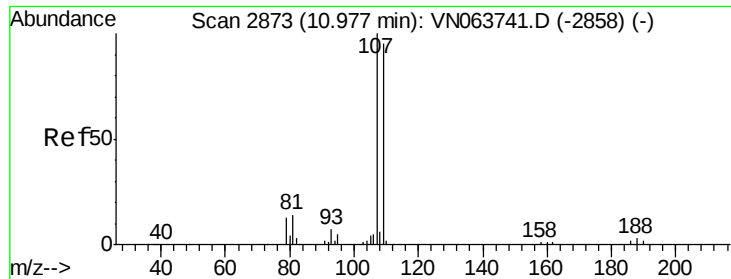
MMDadoda
10/9/2020 4:32:04 PM



#60
Dibromochloromethane
Concen: 18.951 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion:129 Resp: 70762
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





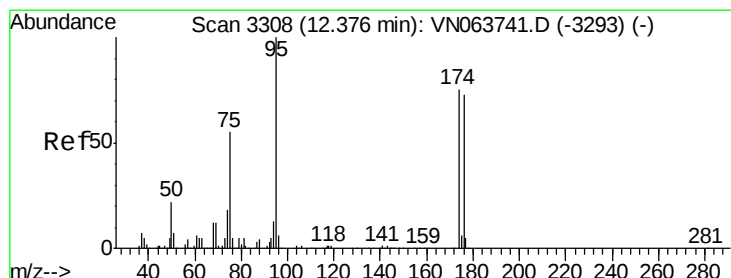
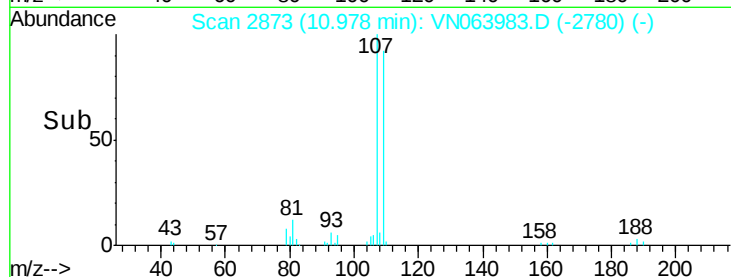
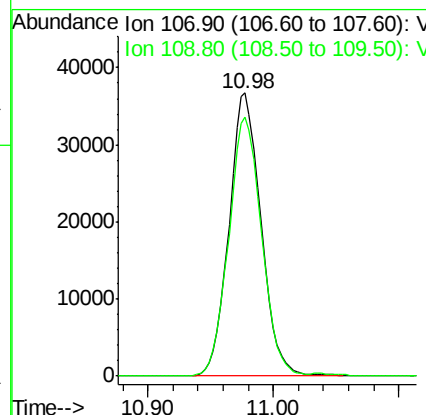
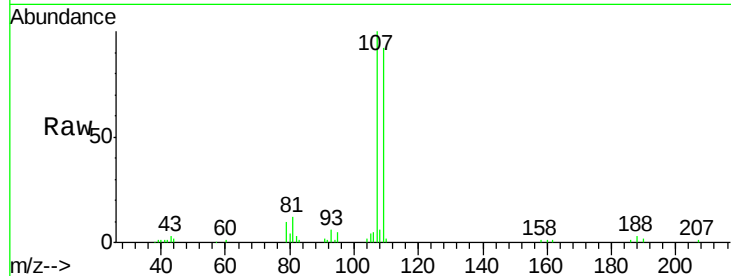
#61
 1,2-Dibromoethane
 Concen: 19.818 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

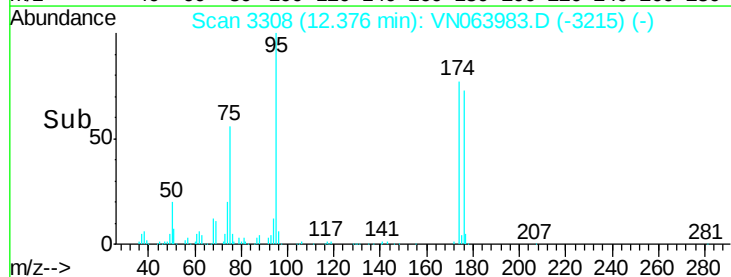
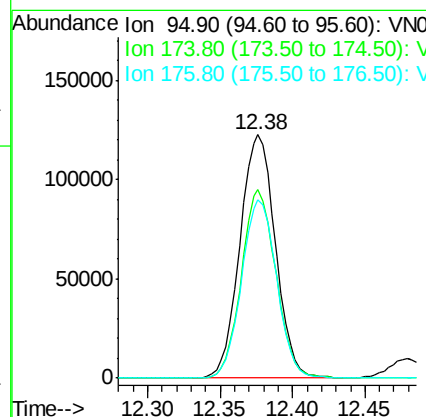
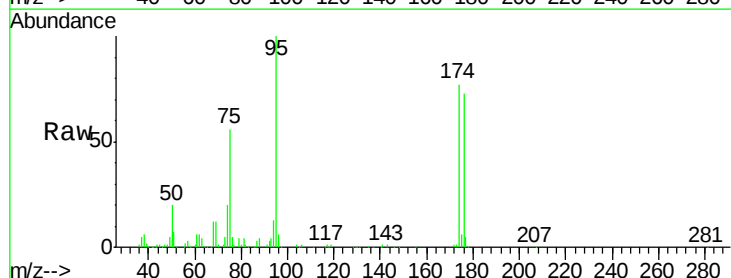
Manual Integrations
 APPROVED

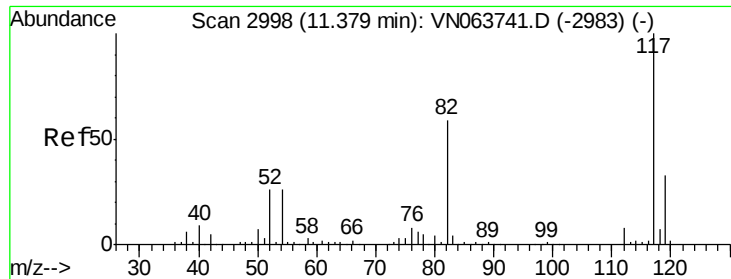
MMDadoda
 10/9/2020 4:32:04 PM



#62
 4-Bromofluorobenzene
 Concen: 47.210 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	72.7	0.0	145.4





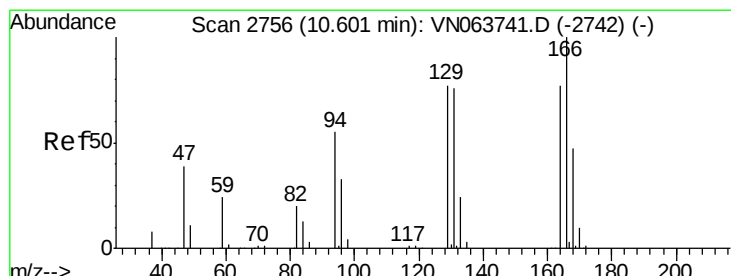
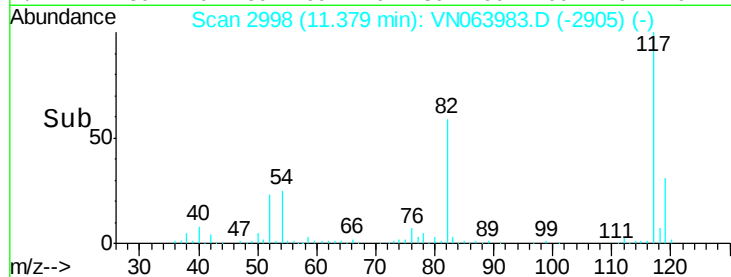
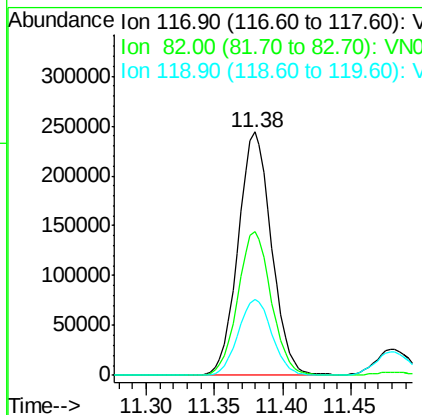
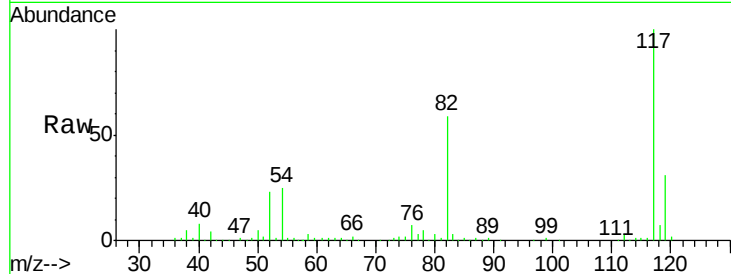
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion:117 Resp: 414753
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.2 26.4 39.6

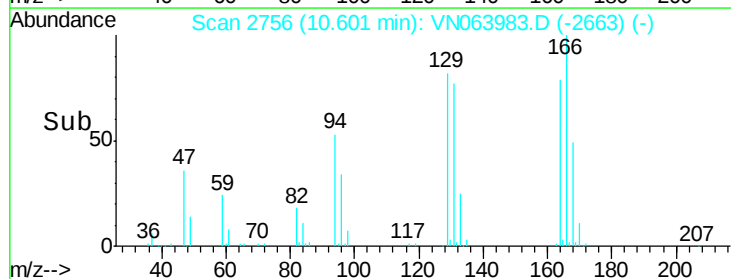
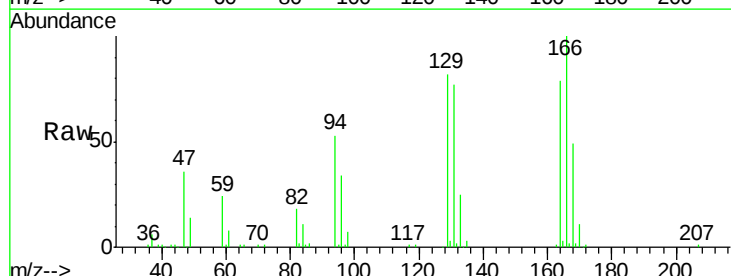
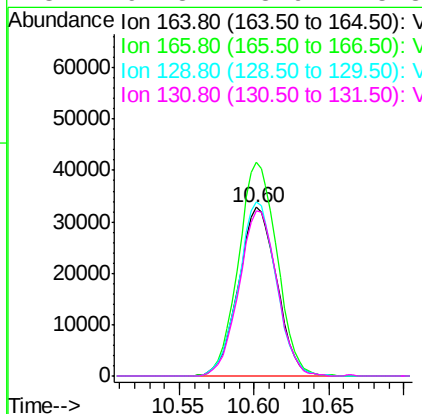
Manual Integrations
APPROVED

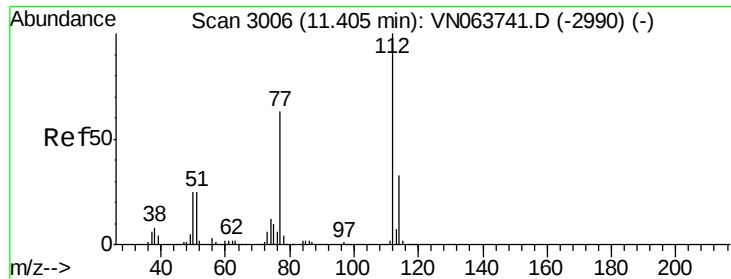
MMDadoda
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#64
Tetrachloroethene
Concen: 18.277 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion:164 Resp: 58646
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 103.1 80.3 120.5
131 97.8 78.9 118.3





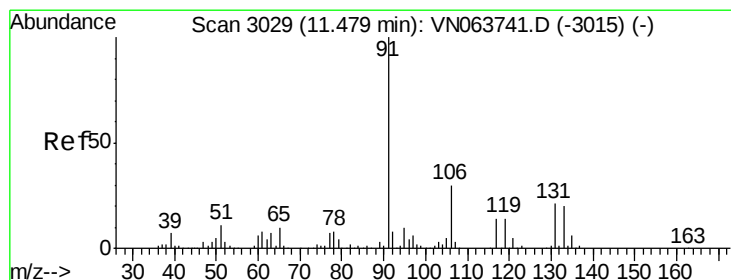
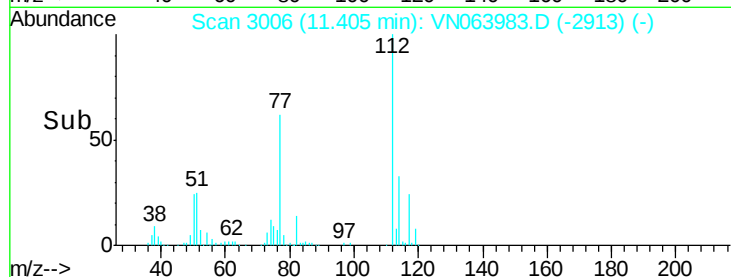
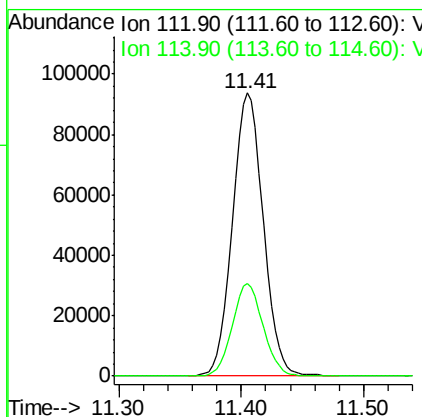
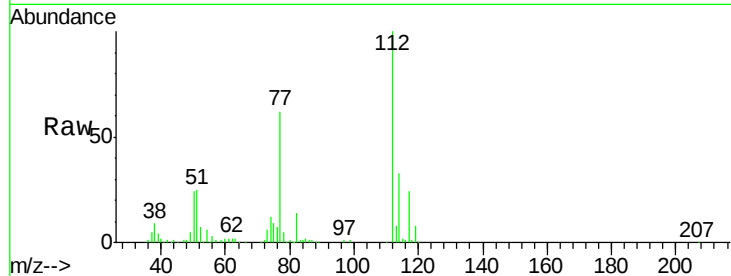
#65
Chlorobenzene
Concen: 19.334 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

Tot Ion:112 Resp: 164493
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1

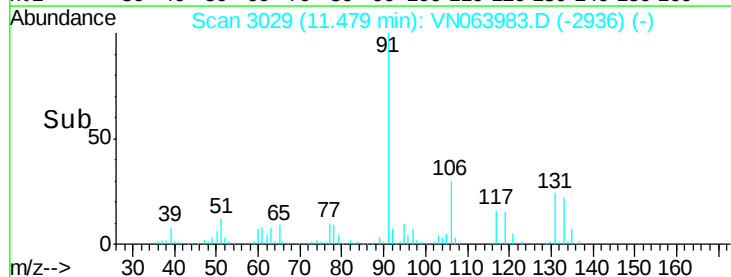
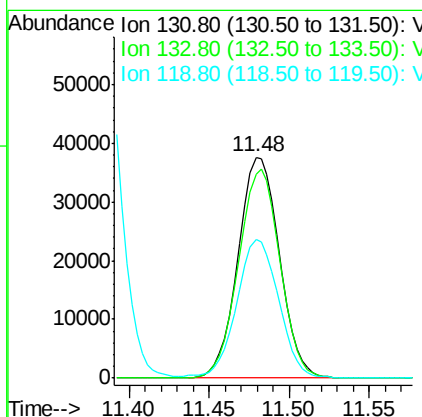
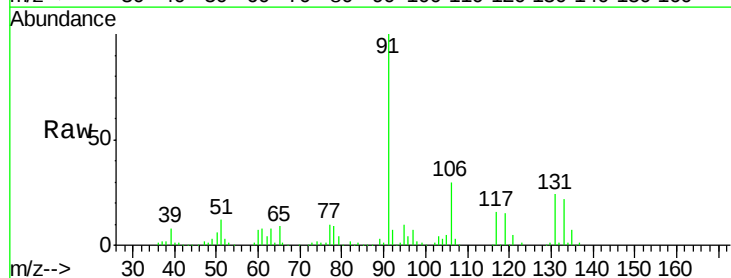
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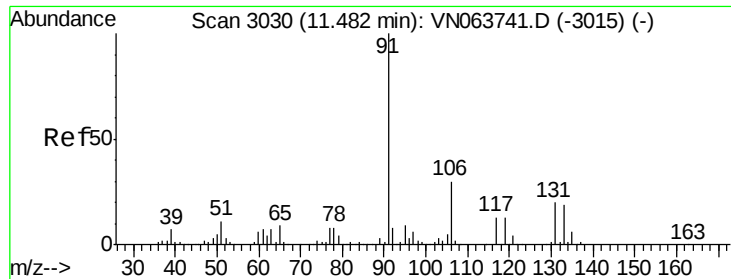
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.346 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion:131 Resp: 66362
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.8
119 63.9 32.6 97.7





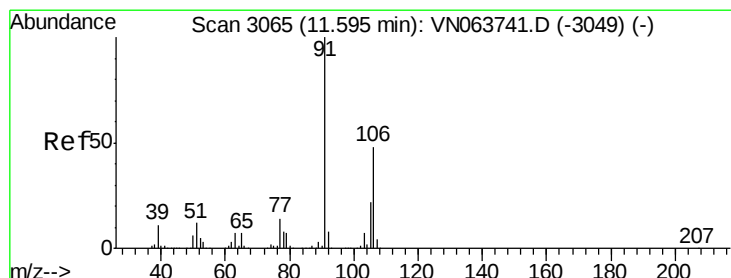
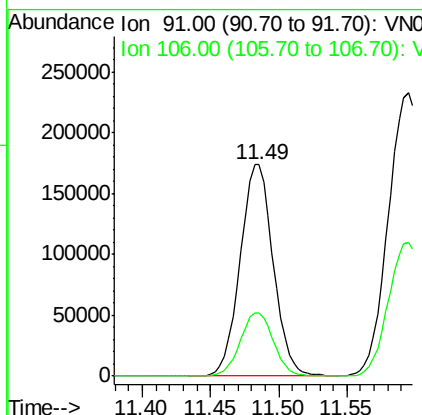
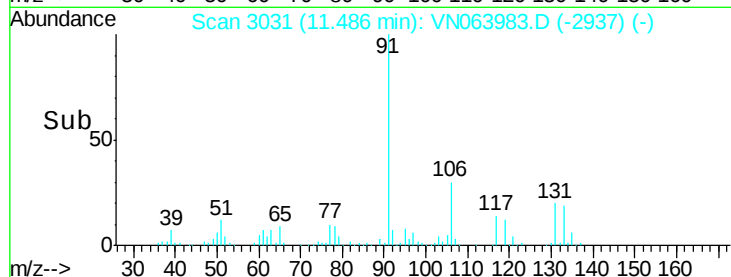
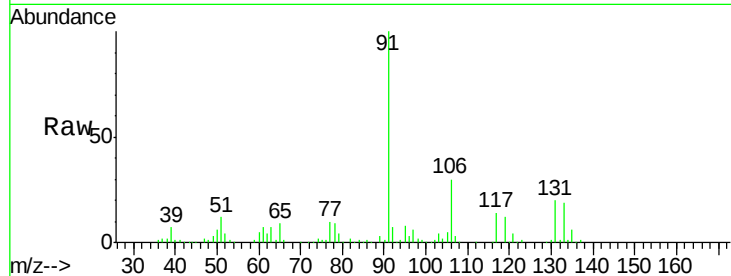
#67
Ethyl Benzene
Concen: 18.898 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

Tot Ion: 91 Resp: 292566
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

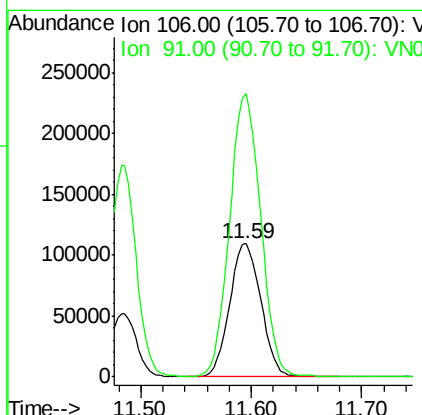
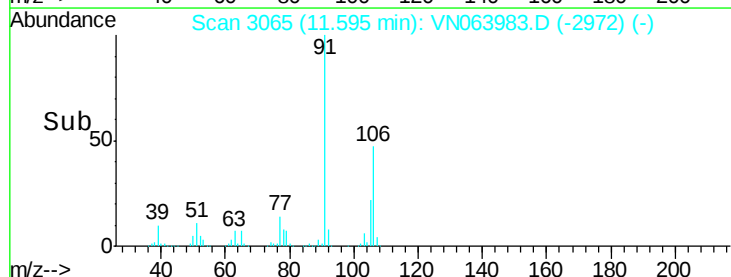
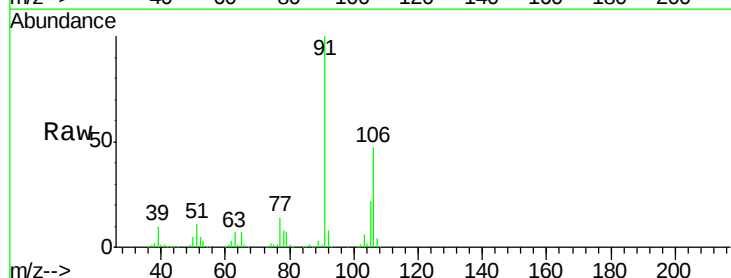
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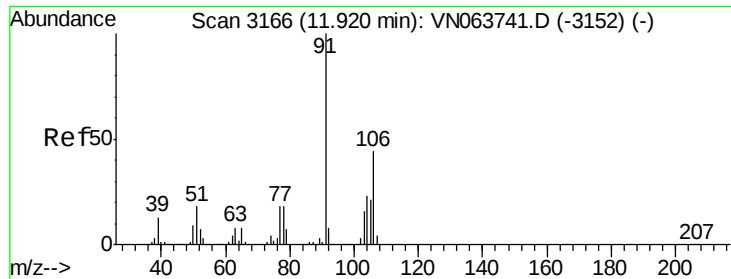
MMDadoda
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#68
m/p-Xylenes
Concen: 37.313 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion: 106 Resp: 215289
Ion Ratio Lower Upper
106 100
91 211.2 168.0 252.0





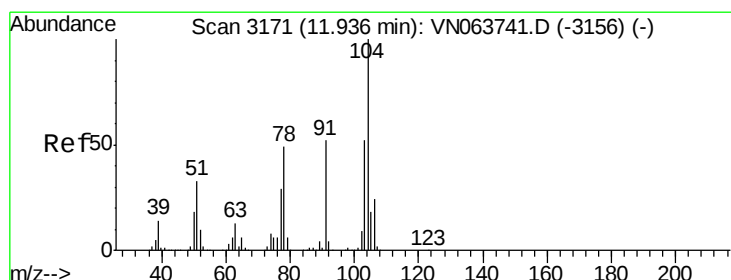
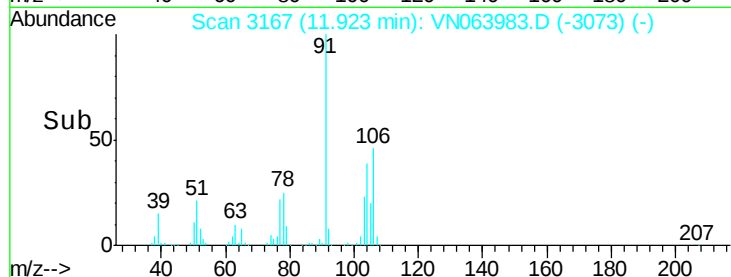
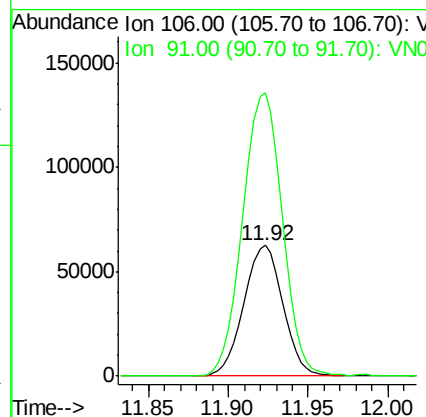
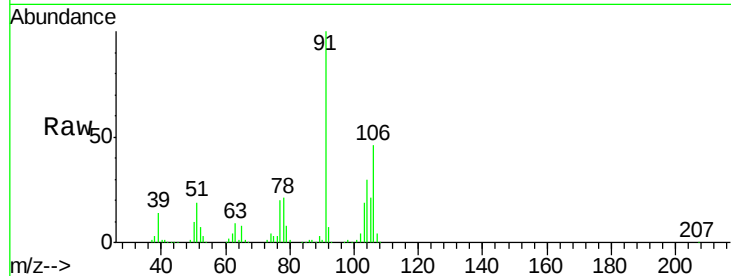
#69
o-Xylene
Concen: 19.336 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampled :
VN1008WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.1	112.7	338.0		

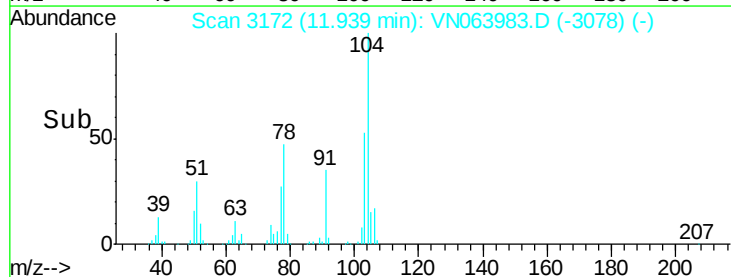
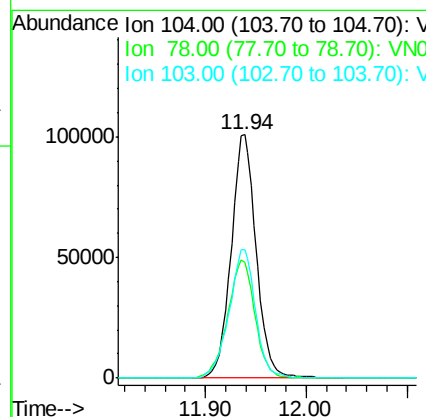
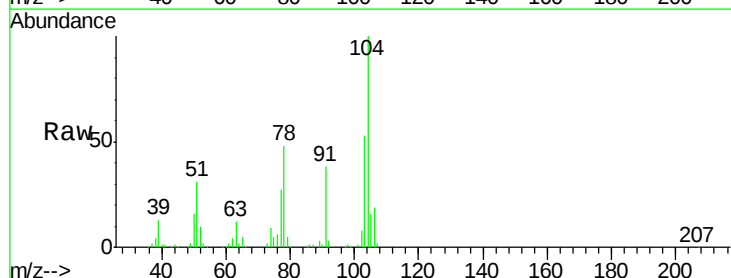
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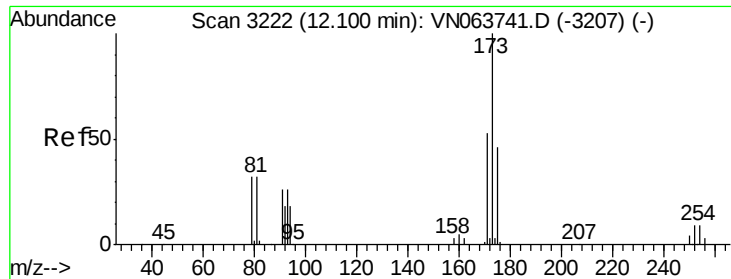
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#70
Styrene
Concen: 19.124 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.9	44.1	66.1		
103	55.6	44.3	66.5		





#71

Bromoform

Concen: 19.754 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

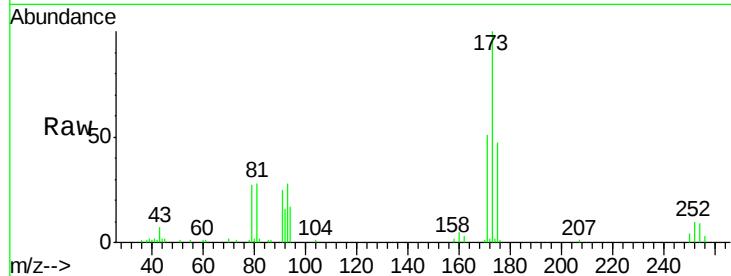
ClientSampleId :

VN1008WBS01

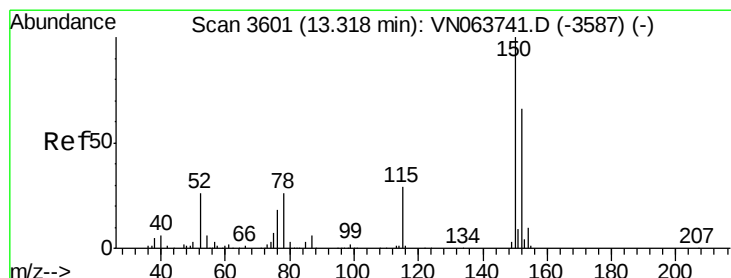
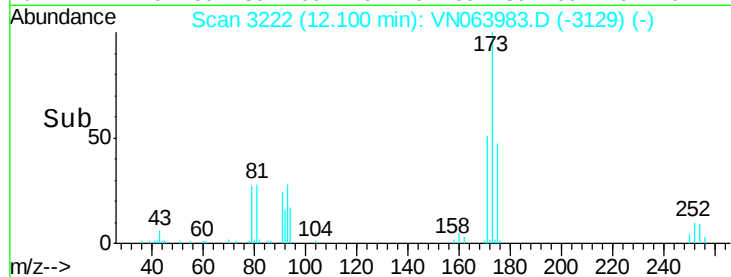
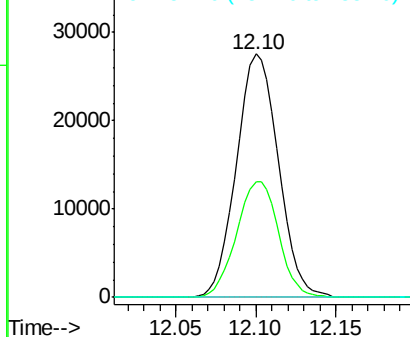
Tot Ion:	173	Resp:	49277
Ion Ratio	Lower	Upper	
173	100		
175	47.6	23.5	70.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

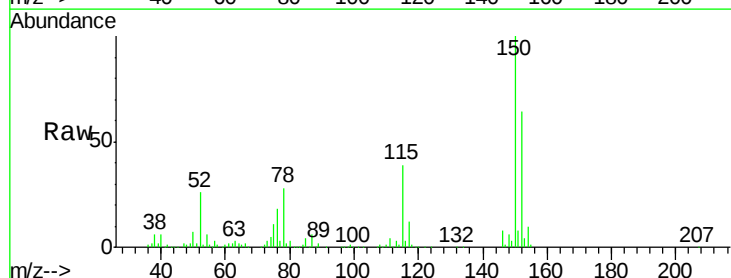
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

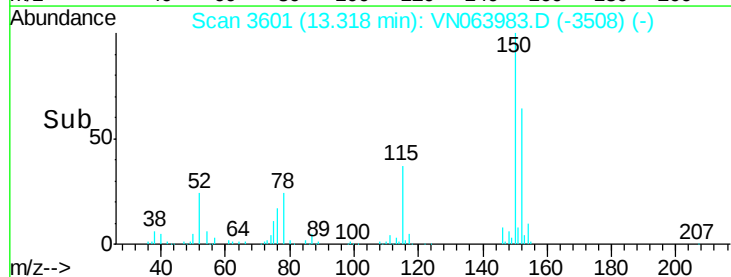
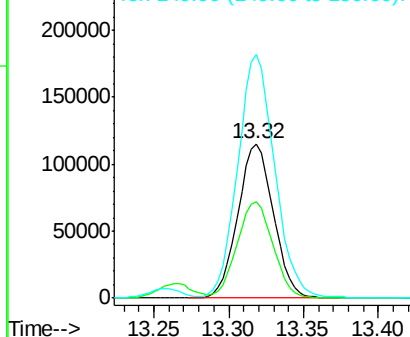
Lab File: VN063983.D

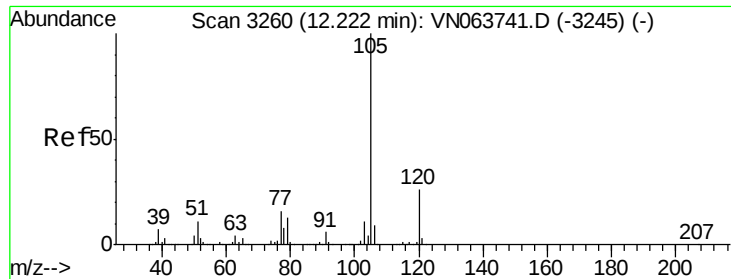
Acq: 8 Oct 2020 12:02

Tgt Ion:	152	Resp:	191017
Ion Ratio	Lower	Upper	
152	100		
115	63.3	31.3	93.8
150	163.7	0.0	341.8



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: 19.880 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 105 Resp: 276986

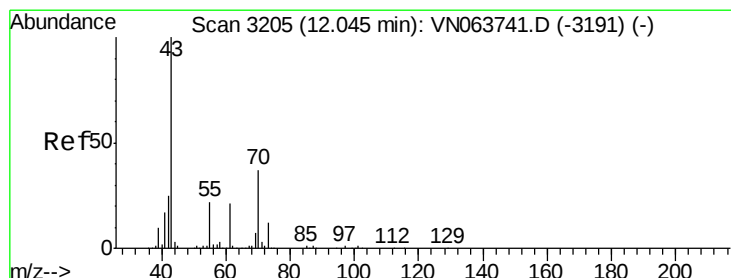
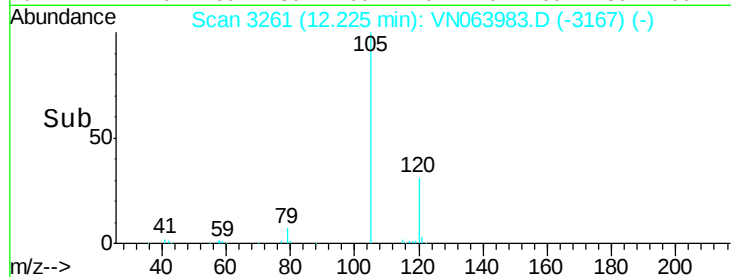
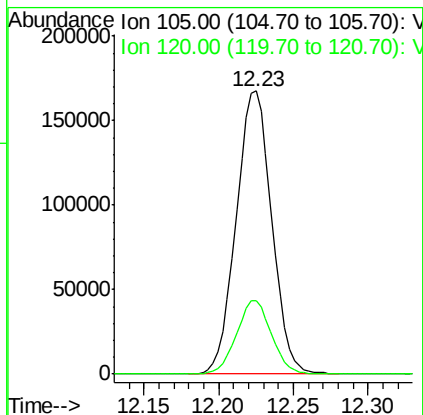
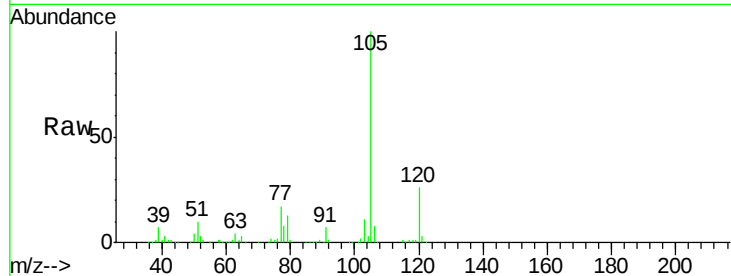
Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.300 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion: 43 Resp: 122540

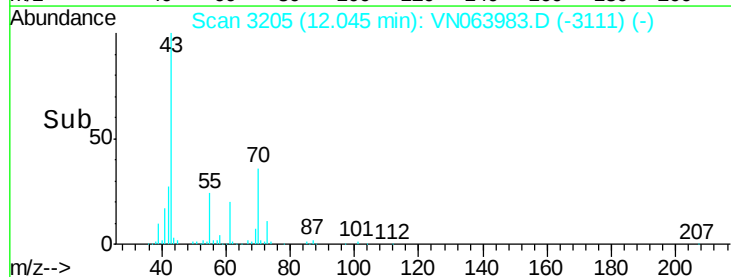
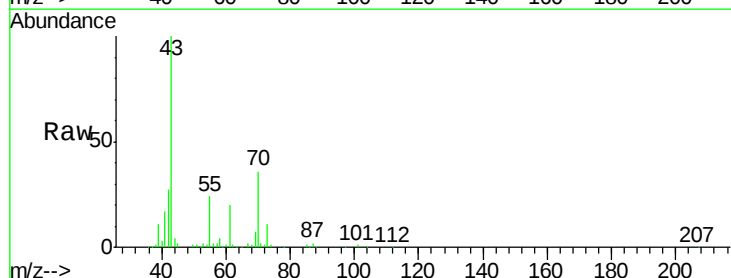
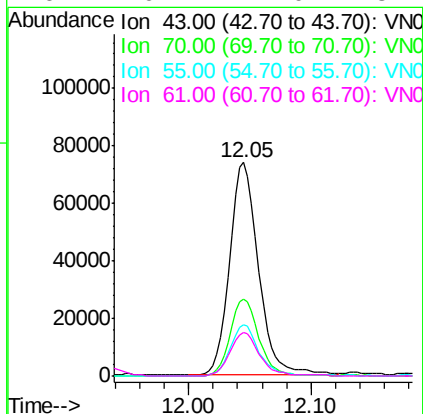
Ion Ratio Lower Upper

43 100

70 35.6 29.8 44.8

55 23.7 17.9 26.9

61 20.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.403 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

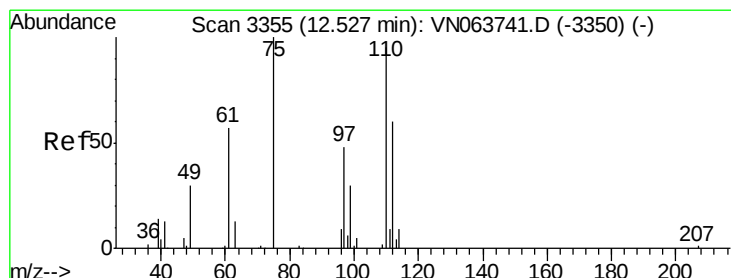
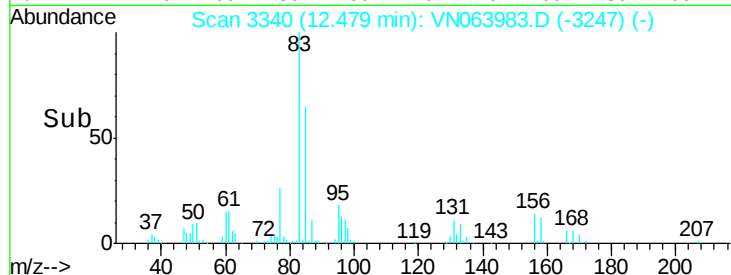
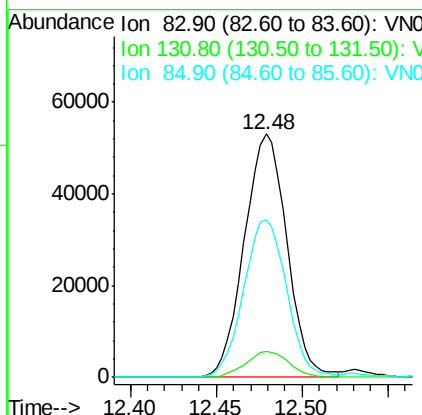
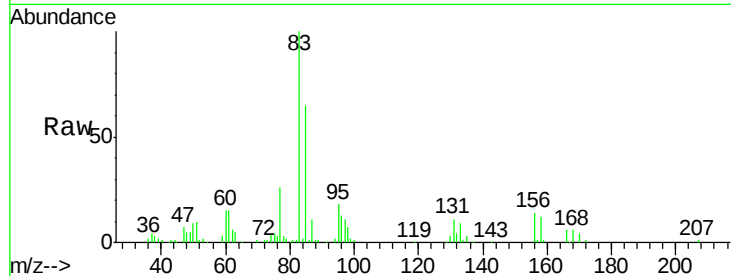
ClientSampleId :

VN1008WBS01

Tot Ion:	83	Resp:	91186
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	65.5	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.092 ug/l m

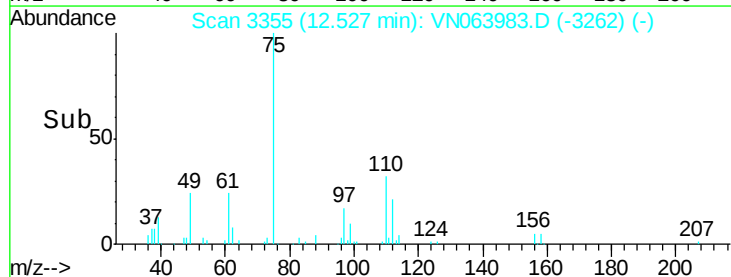
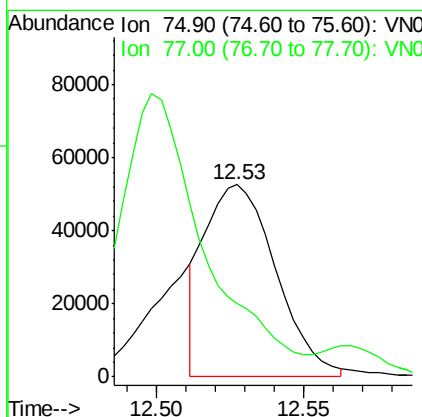
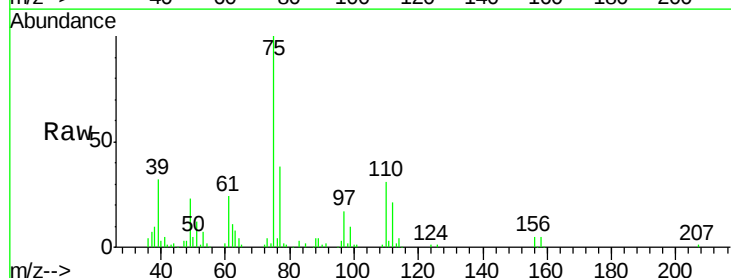
RT: 12.53 min Scan# 3355

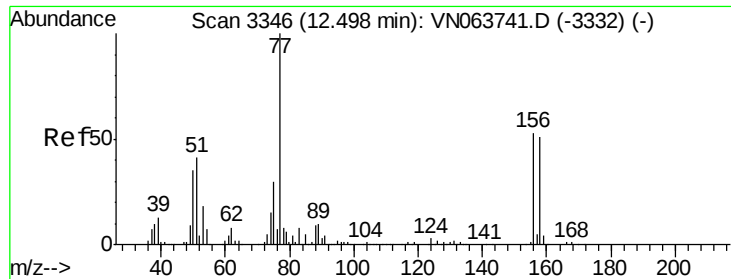
Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion:	75	Resp:	88815
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.754 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

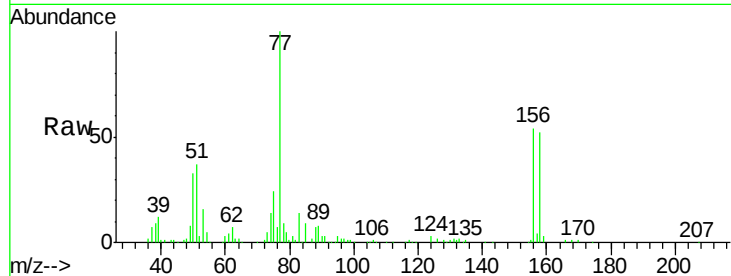
ClientSampled :

VN1008WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.6	110.9	332.7
158	98.5	47.7	143.1

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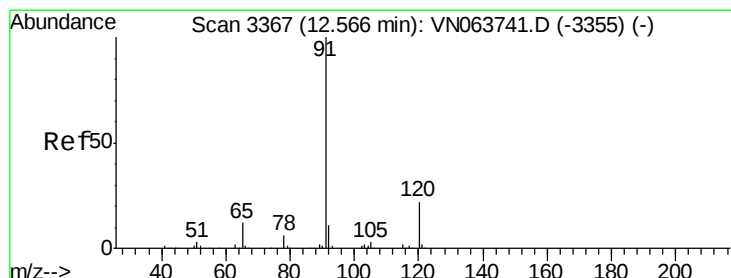
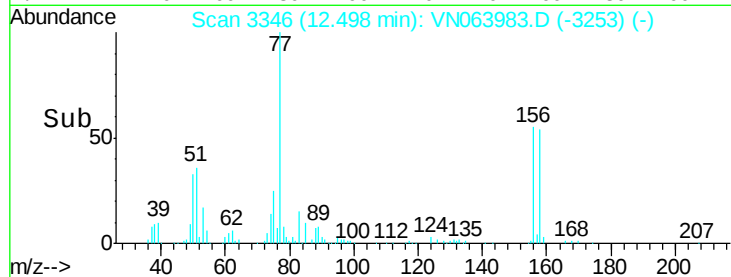
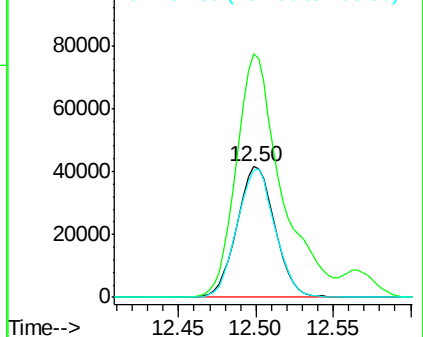


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.172 ug/l

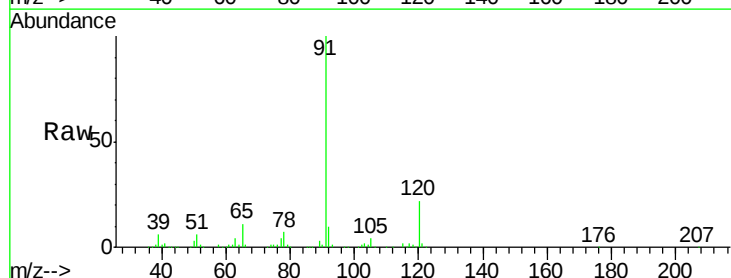
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

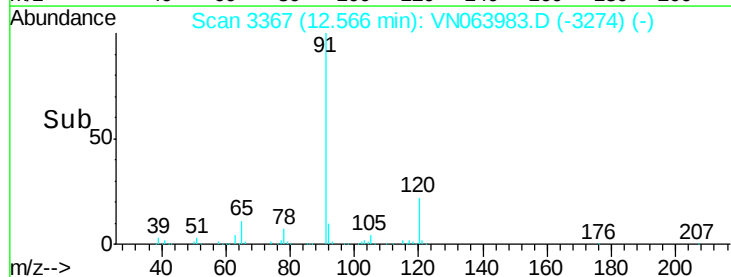
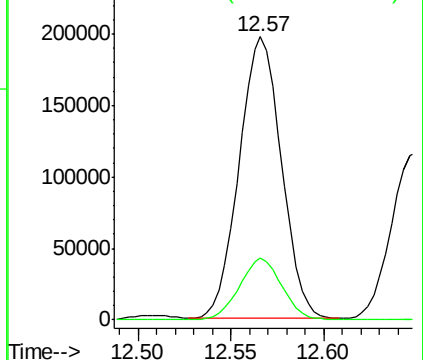
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1

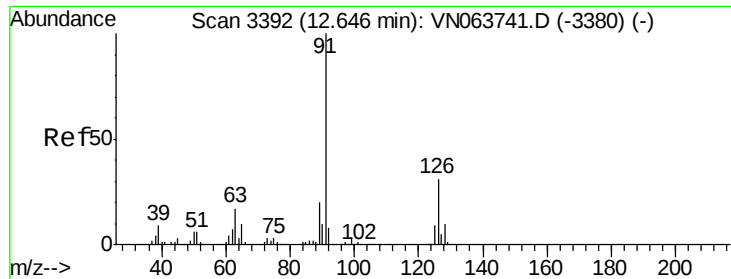


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.620 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 91 Resp: 195653

Ion Ratio Lower Upper

91 100

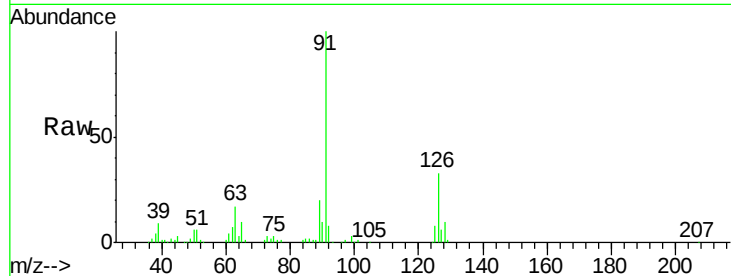
126 33.1 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

200000

150000

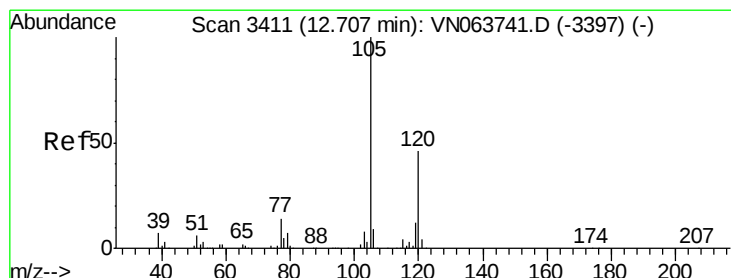
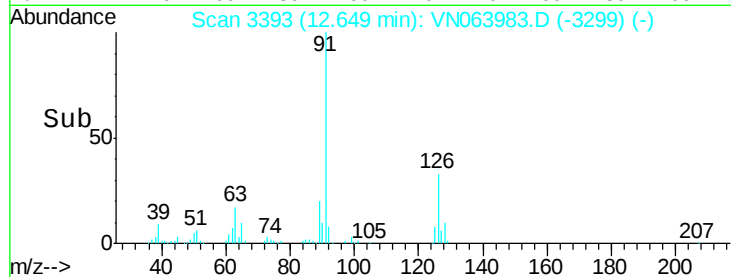
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.763 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063983.D

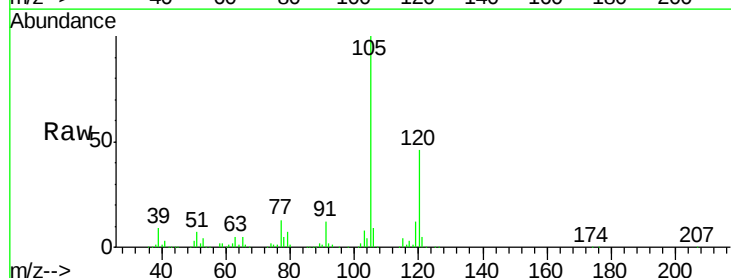
Acq: 8 Oct 2020 12:02

Tgt Ion: 105 Resp: 231005

Ion Ratio Lower Upper

105 100

120 47.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

150000

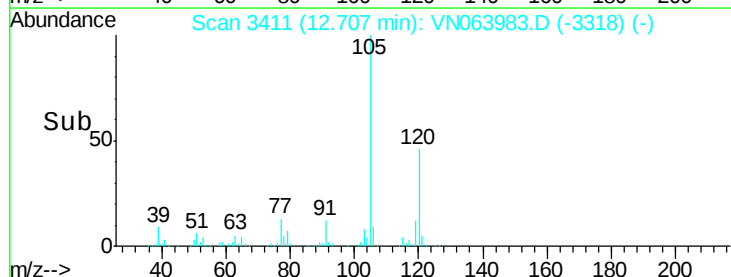
100000

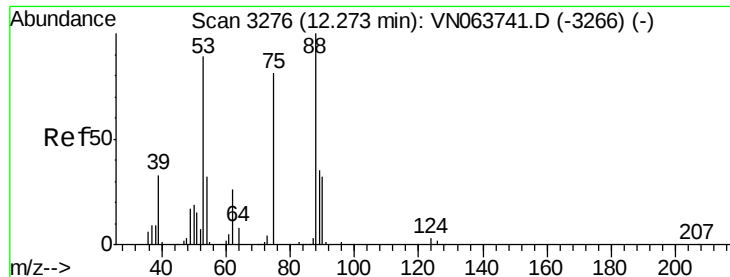
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.415 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Instrument :

MSVOA_N

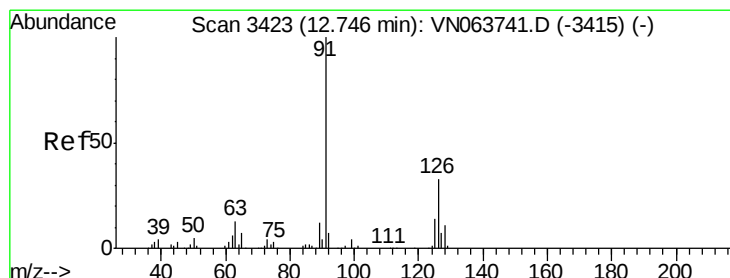
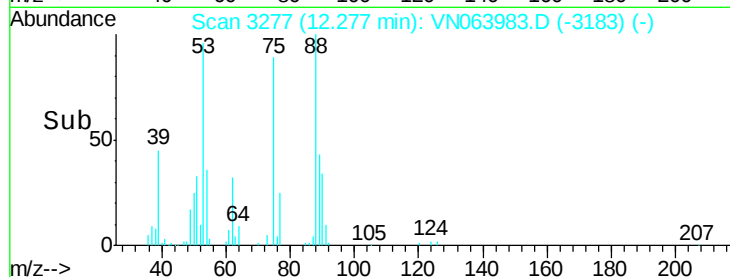
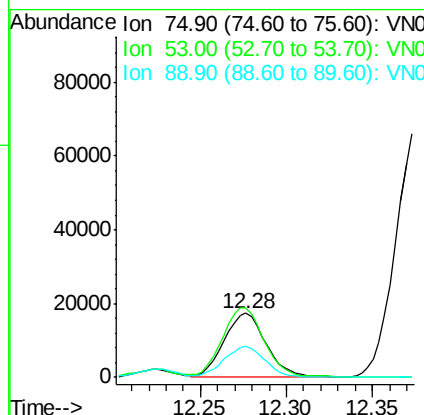
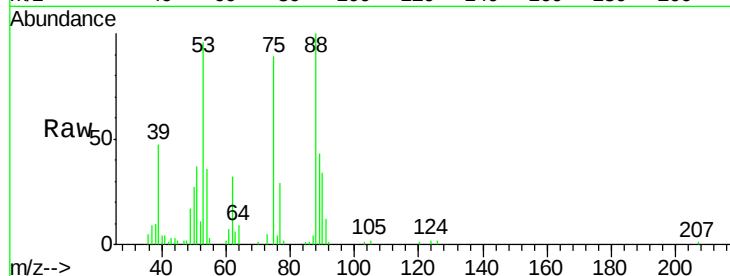
ClientSampleId :

VN1008WBS01

Tot Ion:	75	Resp:	29847
Ion Ratio	Lower	Upper	
75	100		
53	103.8	88.2	132.2
89	47.2	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.514 ug/l

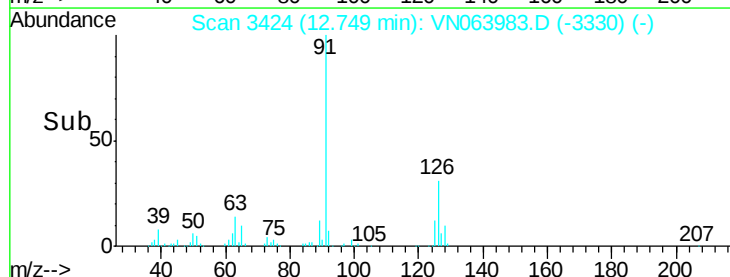
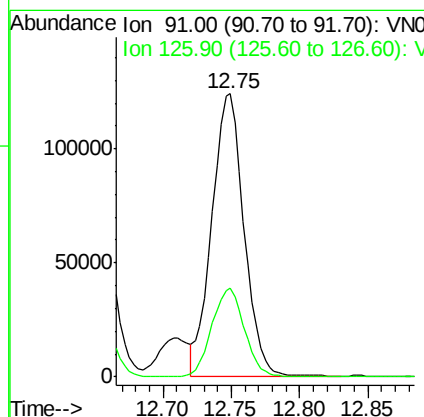
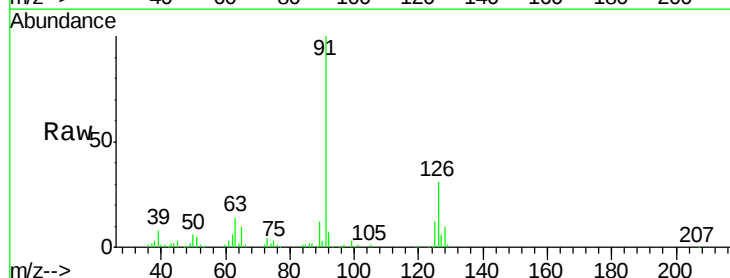
RT: 12.75 min Scan# 3424

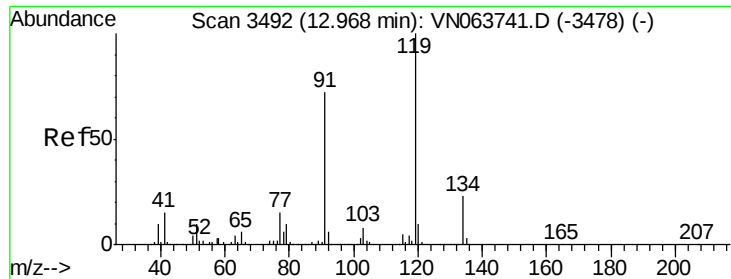
Delta R.T. 0.00 min

Lab File: VN063983.D

Acq: 8 Oct 2020 12:02

Tgt Ion:	91	Resp:	202017
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.4	46.2





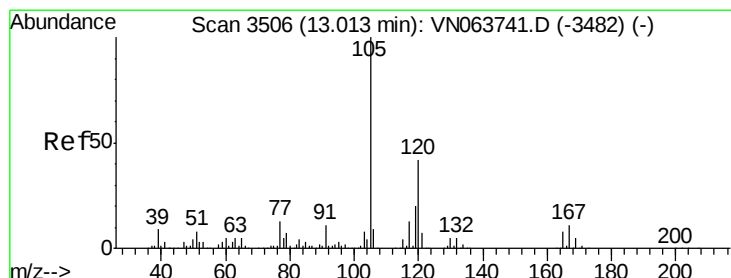
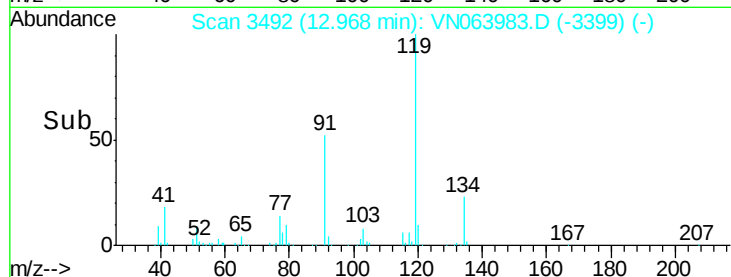
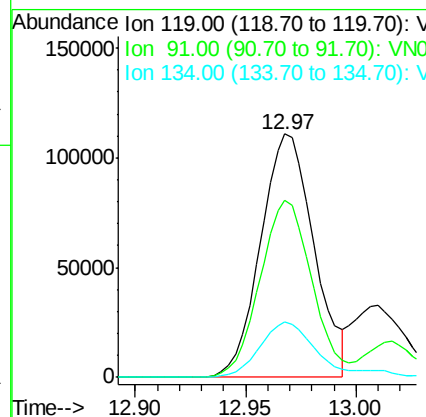
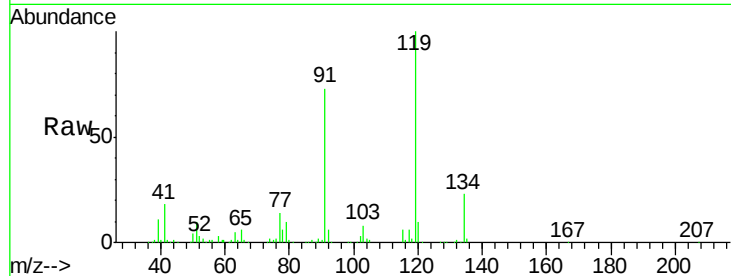
#83
 tert-Butylbenzene
 Concen: 19.433 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	185800		
91	71.0	35.5	106.5	
134	23.4	11.7	35.1	

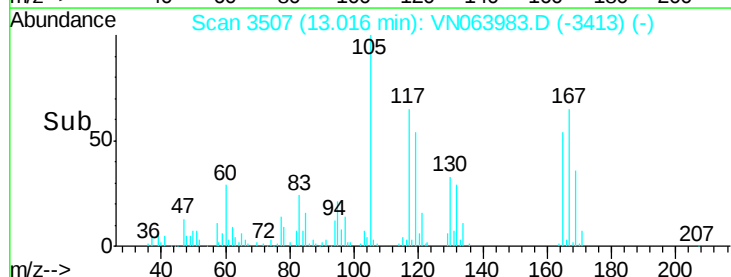
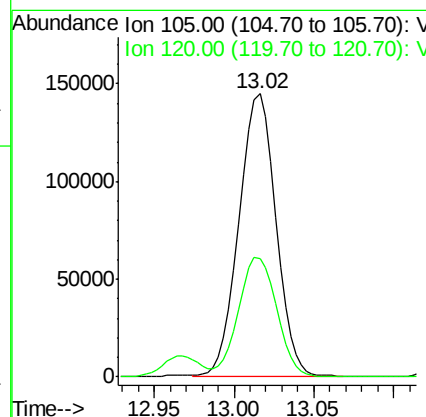
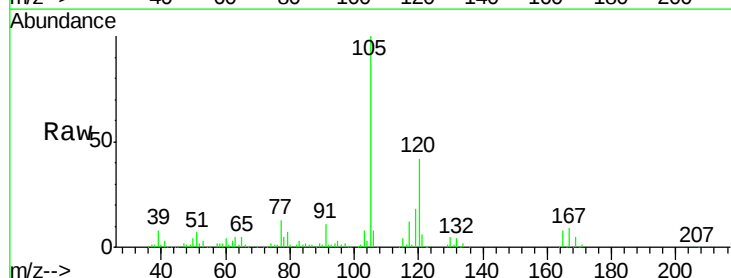
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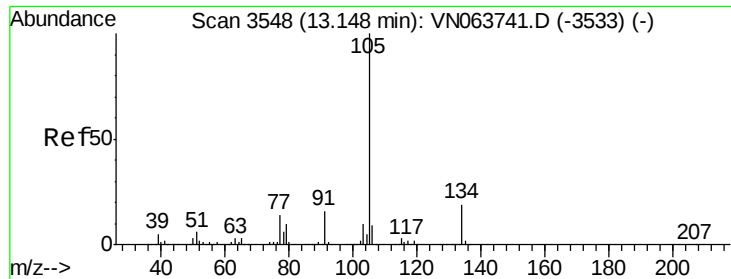
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.423 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226667		
120	43.7	20.9	62.7	





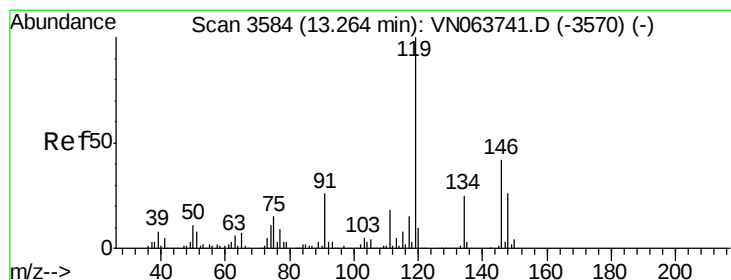
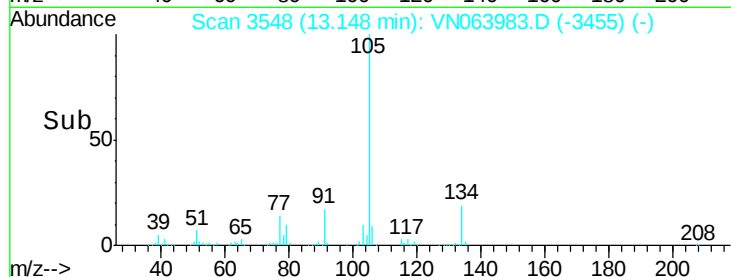
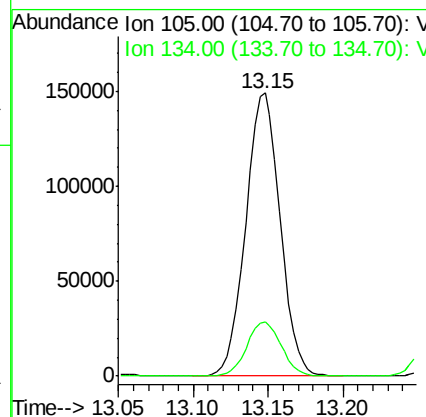
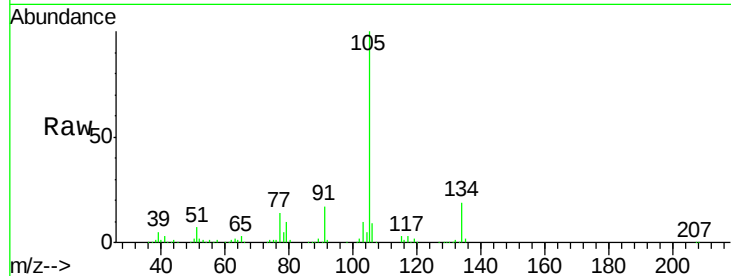
#85
 sec-Butylbenzene
 Concen: 18.855 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	236778		
134	19.4	9.5	28.5	

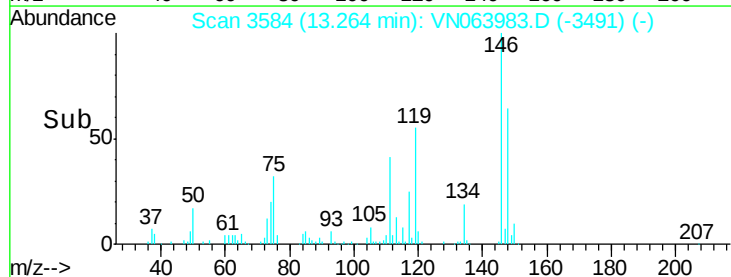
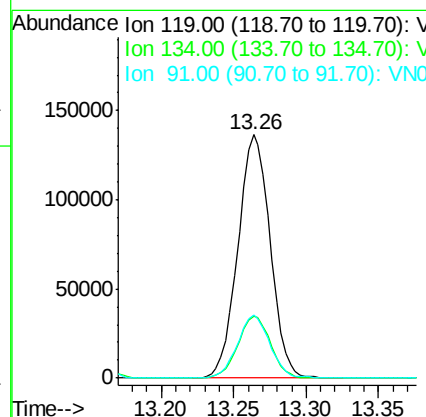
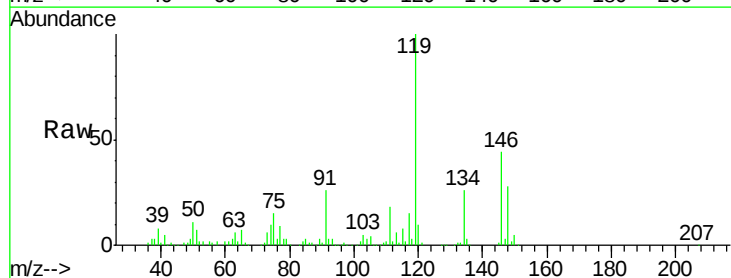
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 19.001 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	211096		
134	25.9	12.6	37.8	
91	26.4	13.4	40.2	





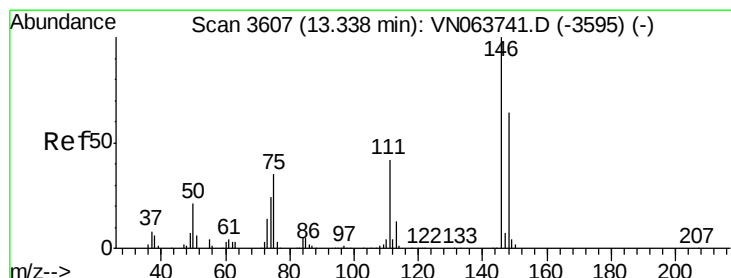
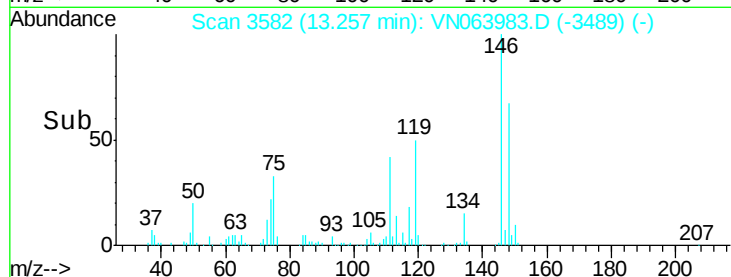
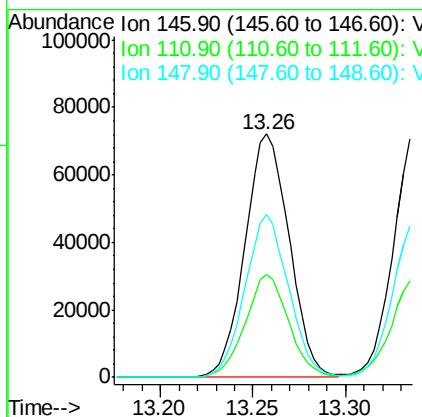
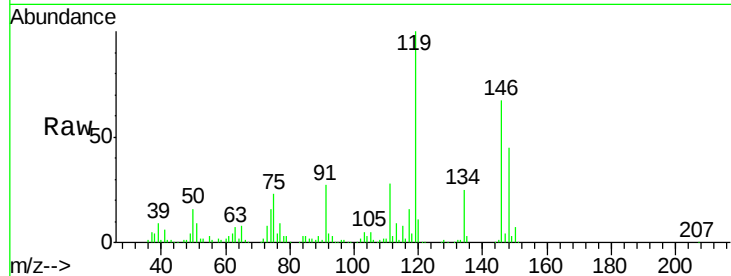
#87
 1,3-Dichlorobenzene
 Concen: 19.364 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119766		
111	41.3	21.5	64.5	
148	65.9	31.1	93.3	

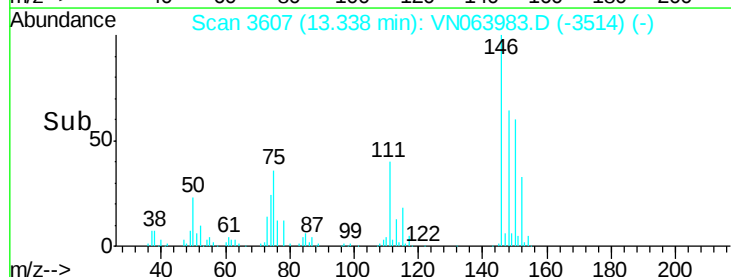
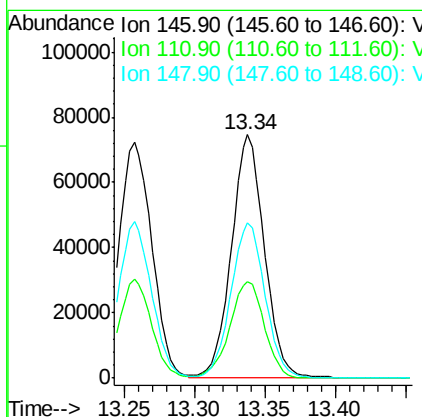
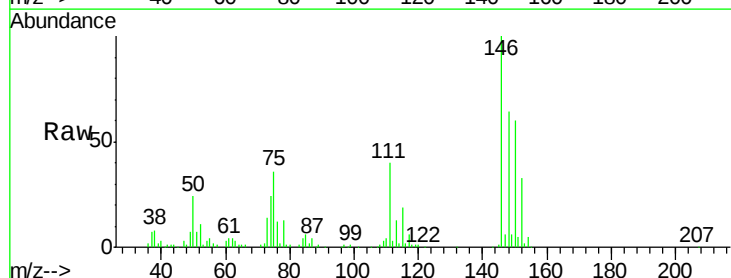
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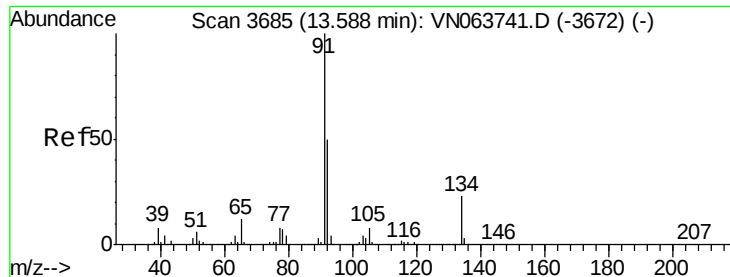
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#88
 1,4-Dichlorobenzene
 Concen: 18.865 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121487		
111	41.3	21.3	63.7	
148	65.9	32.0	96.0	





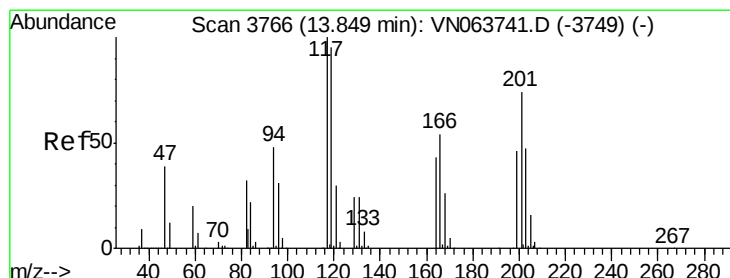
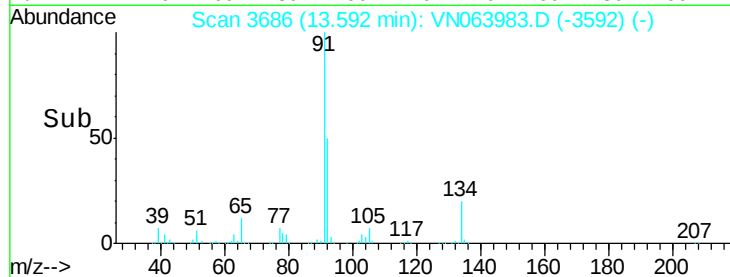
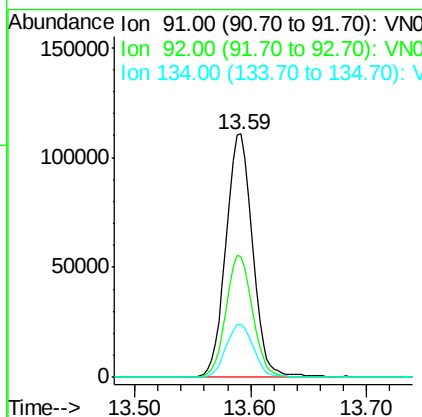
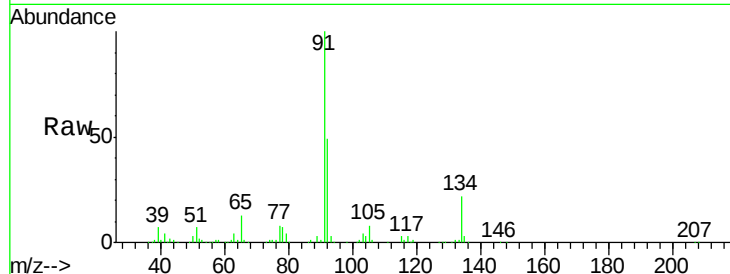
#89
n-Butylbenzene
Concen: 17.172 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.4	76.4
134	22.5	11.7	35.1

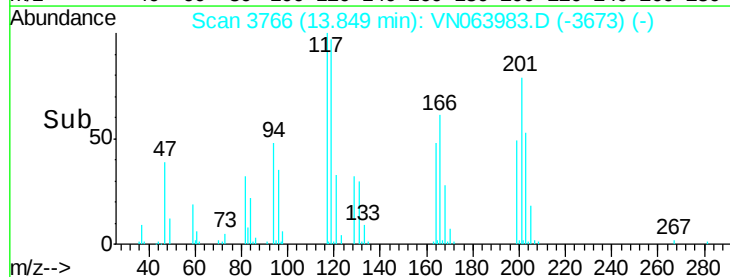
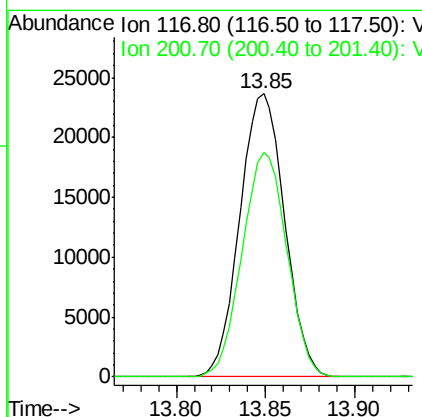
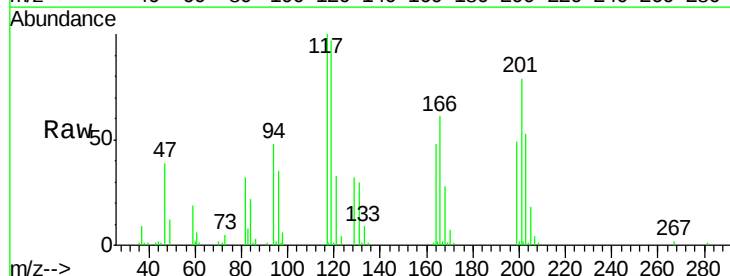
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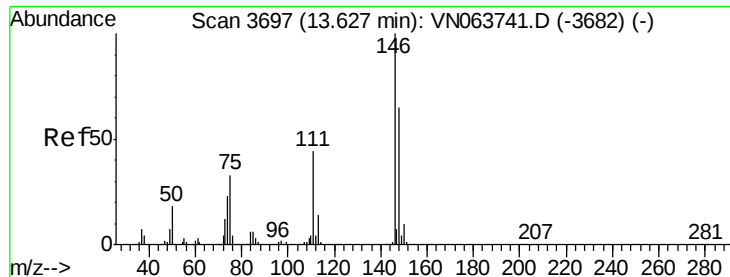
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#90
Hexachloroethane
Concen: 19.255 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	36.0	108.0





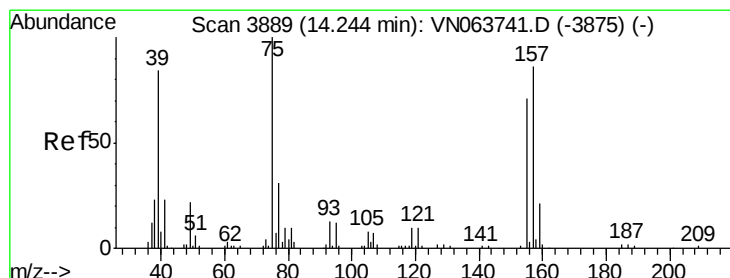
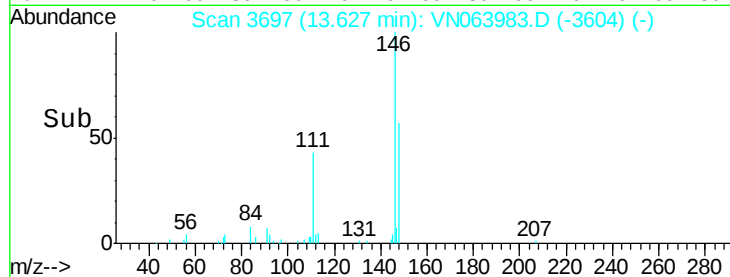
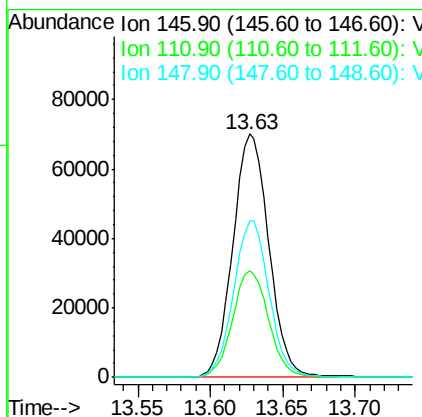
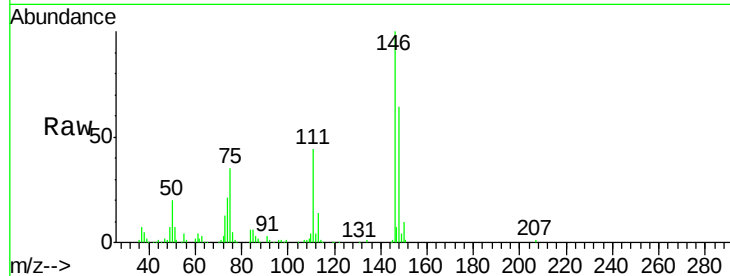
#91
 1,2-Dichlorobenzene
 Concen: 19.736 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.4	32.5	97.4

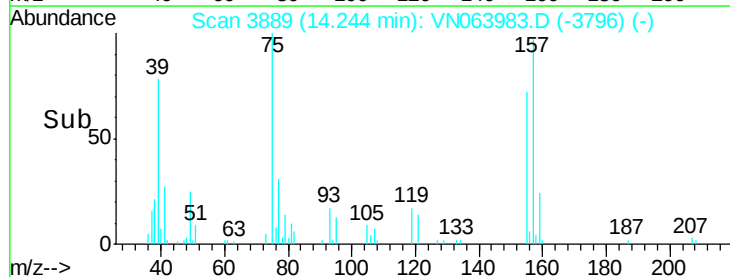
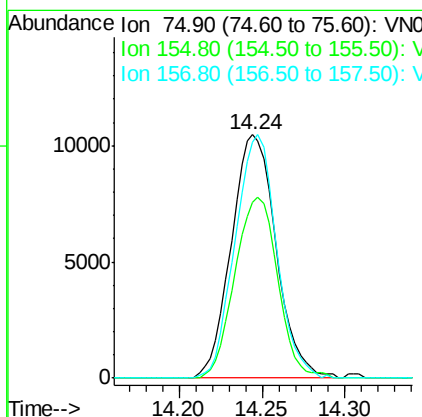
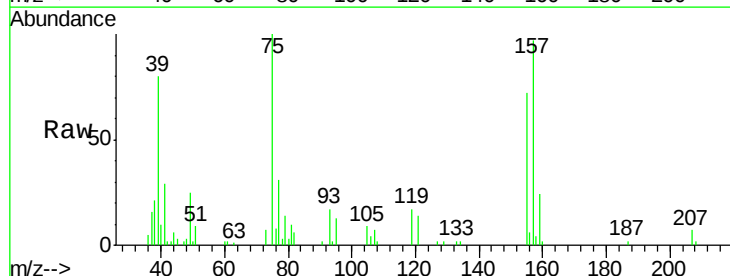
Manual Integrations
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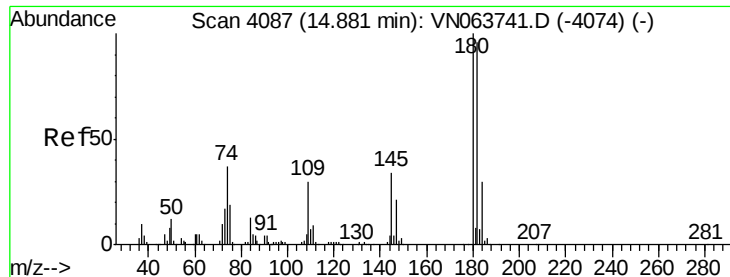
MMDadoda
 10/9/2020 4:32:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.735 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	34.8	104.5
157	92.6	43.7	131.1





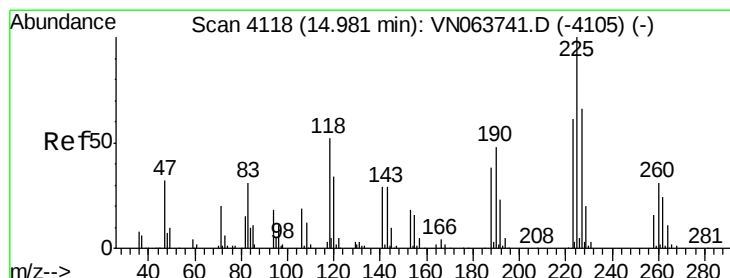
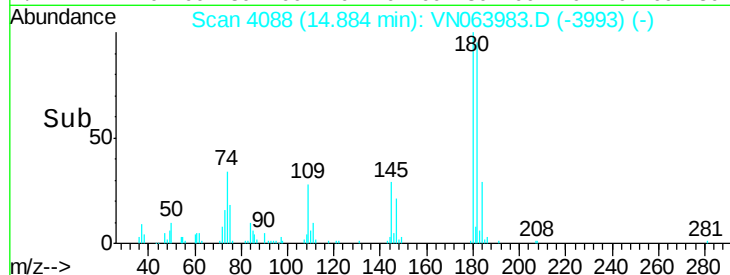
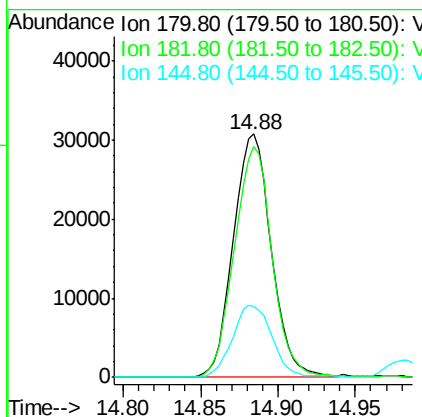
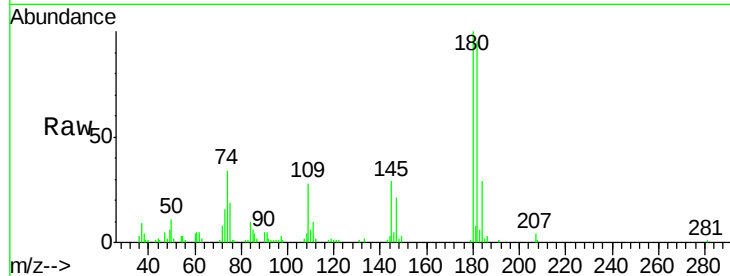
#93
 1,2,4-Trichlorobenzene
 Concen: 16.940 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.2	144.6
145	30.7	17.1	51.2

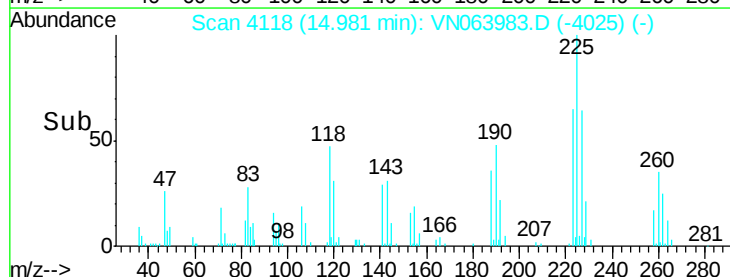
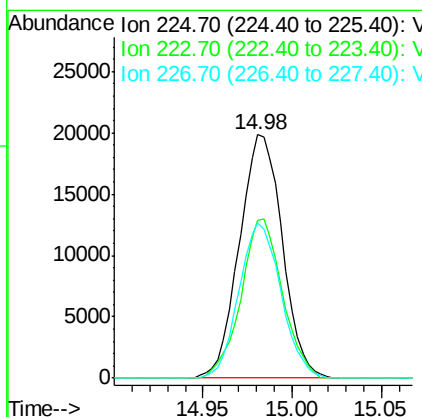
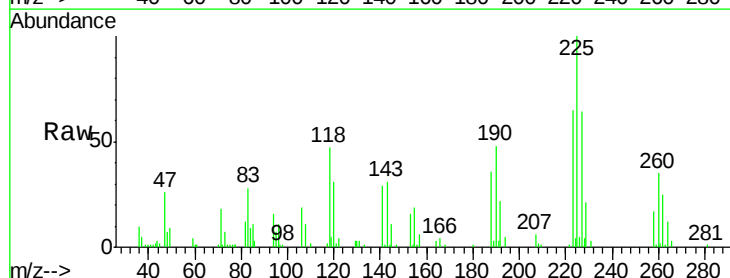
Manual Integrations
 APPROVED

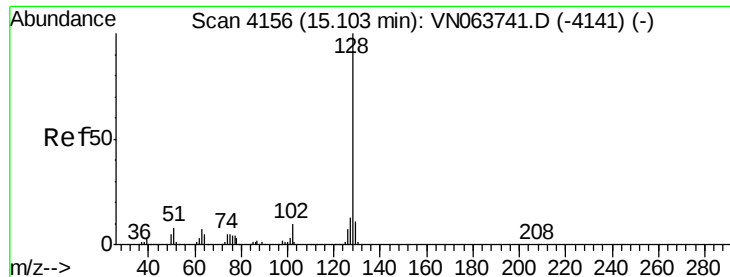
MMDadoda
 10/9/2020 4:32:04 PM



#94
 Hexachlorobutadiene
 Concen: 20.093 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063983.D
 Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.3	91.0
227	62.2	31.9	95.5





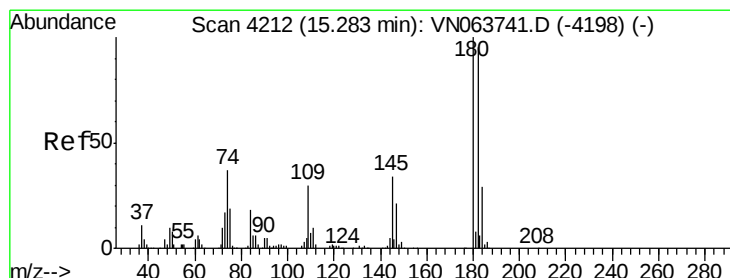
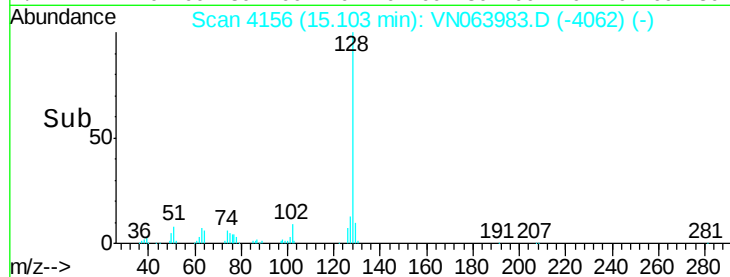
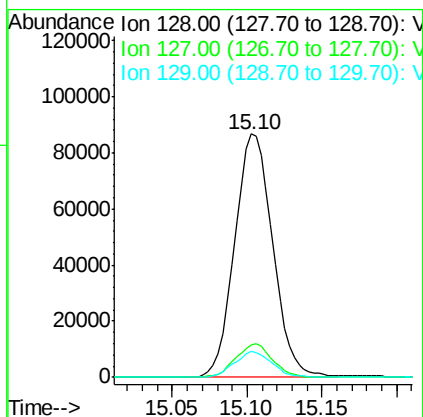
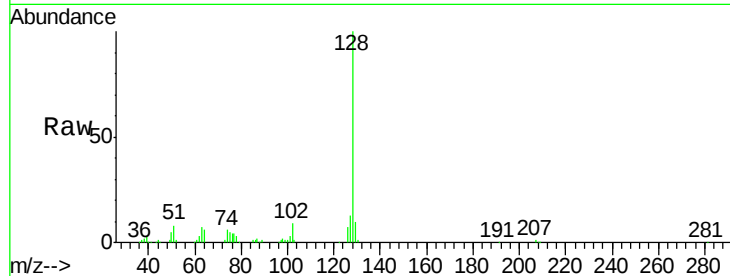
#95
Naphthalene
Concen: 16.299 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:32:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.675 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063983.D
Acq: 8 Oct 2020 12:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.9	143.6
145	32.9	17.2	51.5

