

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059699.D
 Acq On : 14 Jan 2020 11:39
 Operator : JC/MD
 Sample : VN0114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 10:55:14 AM

Quant Time: Jan 14 22:53:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	278007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	249594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118256	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	102712	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.56	113	87066	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.08	98	323343	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	115698	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	40511	18.664	ug/l	99
3) Chloromethane	2.04	50	39712	19.172	ug/l	99
4) Vinyl Chloride	2.17	62	47148	19.894	ug/l	99
5) Bromomethane	2.54	94	29067	20.097	ug/l	99
6) Chloroethane	2.68	64	21982	19.605	ug/l	99
7) Trichlorofluoromethane	3.00	101	53561	18.818	ug/l	96
8) Diethyl Ether	3.38	74	21251	21.275	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31383	19.811	ug/l	92
10) Methyl Iodide	3.93	142	48450	18.922	ug/l	94
11) Tert butyl alcohol	4.72	59	32255	95.360	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31233	18.869	ug/l	88
13) Acrolein	3.58	56	20713	86.508	ug/l	99
14) Allyl chloride	4.29	41	43465	19.481	ug/l #	85
15) Acrylonitrile	4.94	53	76836	99.585	ug/l	99
16) Acetone	3.78	43	68228	93.285	ug/l	93
17) Carbon Disulfide	4.03	76	89001	18.875	ug/l	100
18) Methyl Acetate	4.29	43	45752	19.495	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	110064	20.394	ug/l	97
20) Methylene Chloride	4.52	84	35518	18.730	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	33609	19.101	ug/l	85
22) Diisopropyl ether	5.91	45	101247	20.025	ug/l	95
23) Vinyl Acetate	5.86	43	386965	98.850	ug/l	95
24) 1,1-Dichloroethane	5.81	63	60865	19.701	ug/l	98
25) 2-Butanone	6.80	43	105291	92.538	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	55685	18.748	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	40179	19.853	ug/l	88
28) Bromochloromethane	7.17	49	23689	19.185	ug/l #	75
29) Tetrahydrofuran	7.18	42	66789	94.872	ug/l	88
30) Chloroform	7.34	83	63507	19.840	ug/l	99
31) Cyclohexane	7.63	56	55097	18.534	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	57161	19.313	ug/l	96
36) 1,1-Dichloropropene	7.77	75	46132	19.055	ug/l	95
37) Ethyl Acetate	6.89	43	43101	18.982	ug/l	98
38) Carbon Tetrachloride	7.75	117	50065	19.011	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56791	19.025	ug/l	93
40) Benzene	8.02	78	139550	19.328	ug/l	99
41) Methacrylonitrile	7.15	41	20153m	18.019	ug/l	
42) 1,2-Dichloroethane	8.10	62	50212	20.511	ug/l	96
43) Isopropyl Acetate	8.14	43	75609	19.359	ug/l #	95
44) Trichloroethene	8.81	130	39215	19.895	ug/l	93
45) 1,2-Dichloropropane	9.10	63	36109	20.210	ug/l	97
46) Dibromomethane	9.19	93	25499	20.232	ug/l	91
47) Bromodichloromethane	9.38	83	51521	20.286	ug/l	99
48) Methyl methacrylate	9.18	41	33390	19.113	ug/l	91
49) 1,4-Dioxane	9.18	88	12861	402.144	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	215360	95.388	ug/l	96
52) Toluene	10.14	92	88964	19.507	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	56291	19.850	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61650	20.661	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	36494	20.204	ug/l	96
56) Ethyl methacrylate	10.42	69	54696	19.817	ug/l	90
57) 1,3-Dichloropropane	10.70	76	58344	20.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	89928	108.175	ug/l	91
59) 2-Hexanone	10.74	43	158355	95.206	ug/l	95
60) Dibromochloromethane	10.89	129	42054	20.445	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38192	20.173	ug/l	98
64) Tetrachloroethene	10.62	164	38228	18.793	ug/l	95
65) Chlorobenzene	11.43	112	96922	19.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	37207	19.628	ug/l	98
67) Ethyl Benzene	11.50	91	170875	19.187	ug/l	96
68) m/p-Xylenes	11.62	106	131419	39.066	ug/l	93
69) o-Xylene	11.94	106	63584	19.306	ug/l	95
70) Styrene	11.96	104	107577	19.520	ug/l	97
71) Bromoform	12.12	173	29854	19.661	ug/l #	98
73) Isopropylbenzene	12.24	105	168311	19.407	ug/l	99
74) N-amyl acetate	12.06	43	63896	18.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	50879	20.236	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	47910m	24.074	ug/l	
77) Bromobenzene	12.52	156	43231	19.684	ug/l	82
78) n-propylbenzene	12.59	91	190496	19.569	ug/l	97
79) 2-Chlorotoluene	12.67	91	112090	19.356	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	141947	19.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17410	18.787	ug/l	96
82) 4-Chlorotoluene	12.77	91	115540	19.892	ug/l	96
83) tert-Butylbenzene	12.99	119	123451	19.570	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	142415	19.736	ug/l	99
85) sec-Butylbenzene	13.17	105	160401	19.353	ug/l	97
86) p-Isopropyltoluene	13.28	119	148416	19.353	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	76399	20.026	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76451	20.087	ug/l	98
89) n-Butylbenzene	13.61	91	125690	19.222	ug/l	98
90) Hexachloroethane	13.87	117	27671	19.285	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	74595	19.778	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11127	19.338	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45099	19.900	ug/l	97
94) Hexachlorobutadiene	15.01	225	24681	19.763	ug/l	98
95) Naphthalene	15.13	128	127188	19.731	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44423	20.138	ug/l	99

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

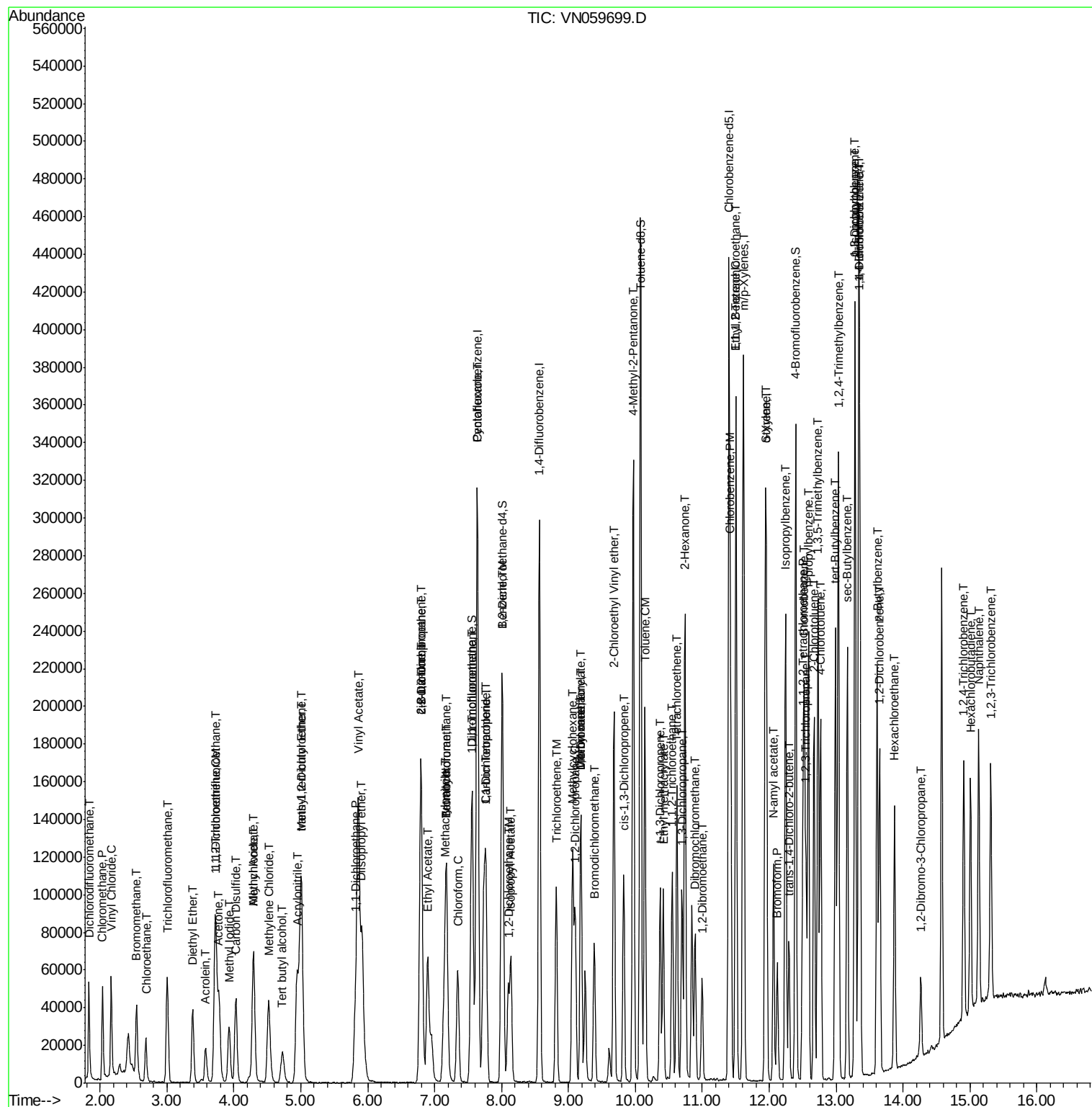
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 Data File : VN059699.D
 Acq On : 14 Jan 2020 11:39
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 Sample : VN0114WBSD01
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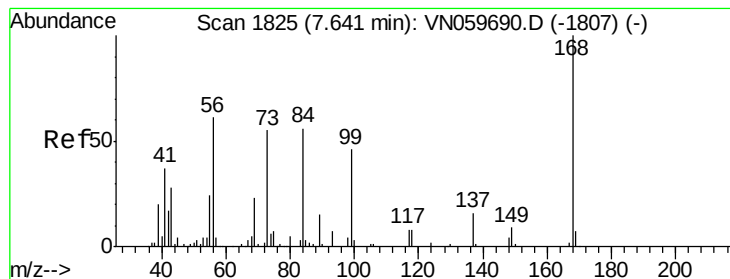
Instrument :
 MSVOA_N
 Client Sampled :
 VN0114WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion:168 Resp: 180926

Ion Ratio Lower Upper

168 100

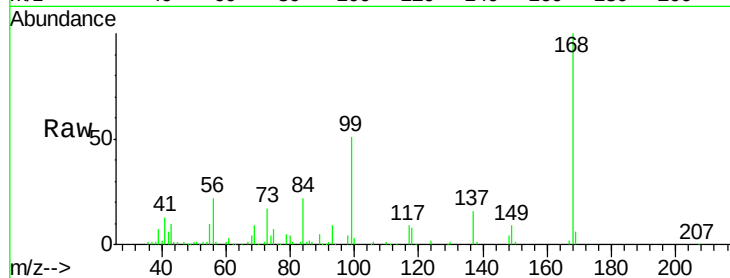
99 50.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

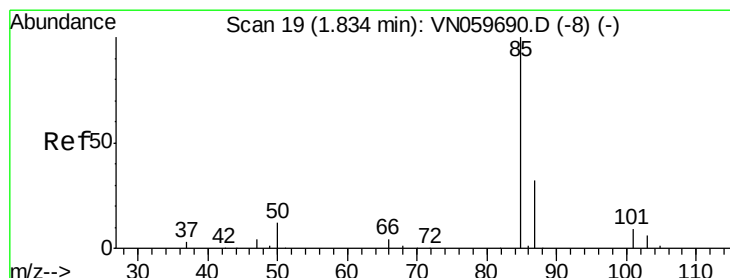
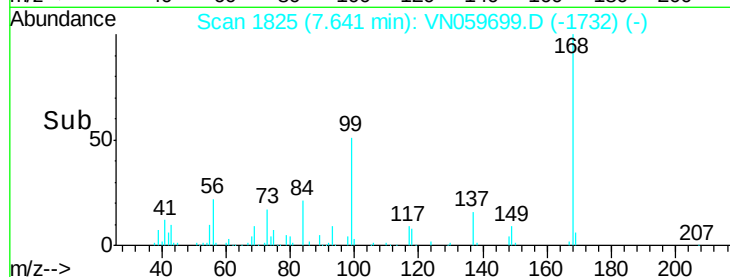
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.664 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059699.D

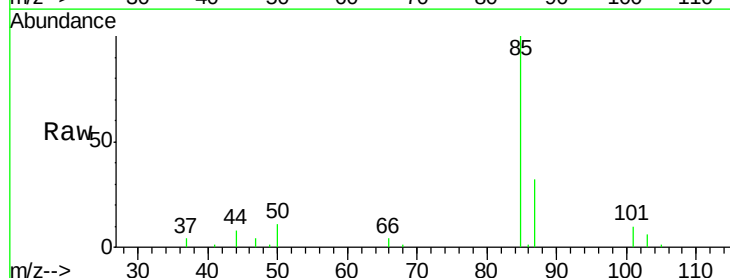
Acq: 14 Jan 2020 11:39

Tgt Ion: 85 Resp: 40511

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

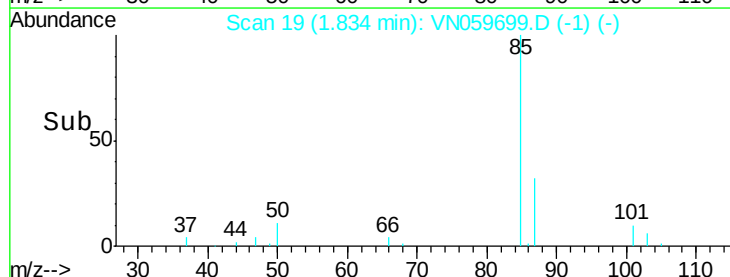
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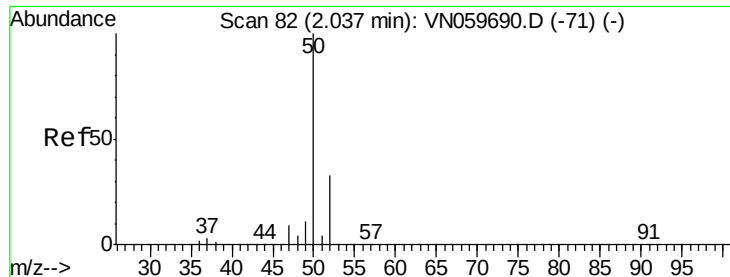
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.172 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 50 Resp: 39712

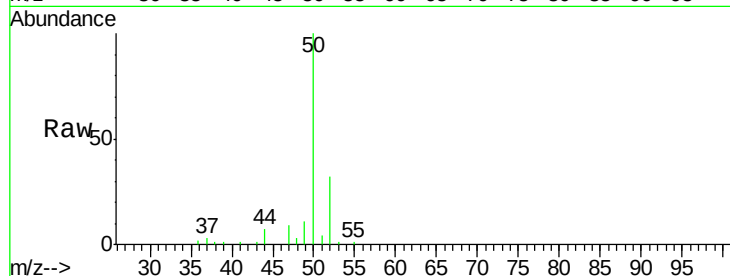
Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9

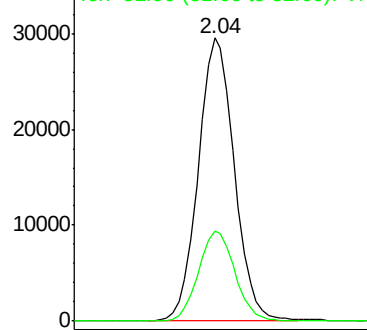
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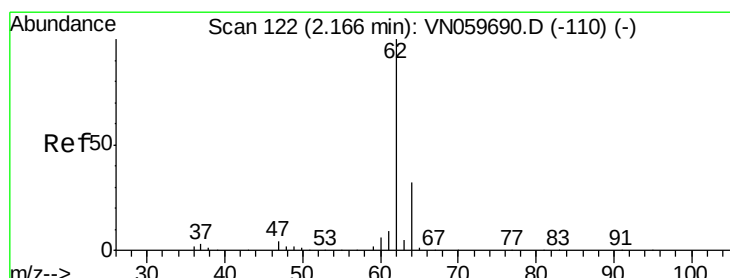
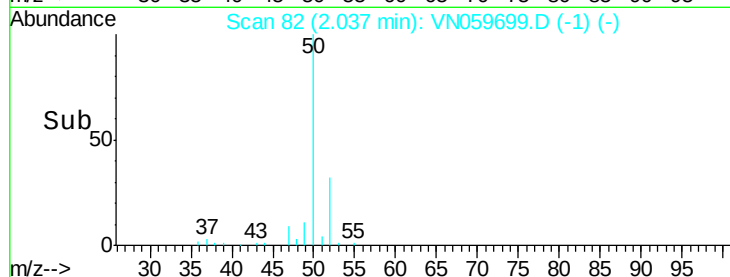


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 19.894 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059699.D

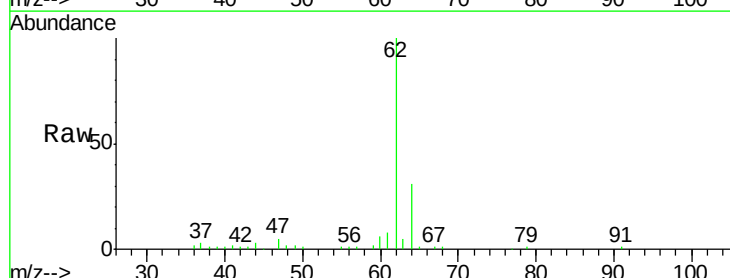
Acq: 14 Jan 2020 11:39

Tgt Ion: 62 Resp: 47148

Ion Ratio Lower Upper

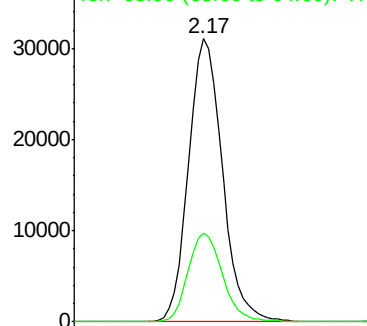
62 100

64 31.4 24.6 37.0

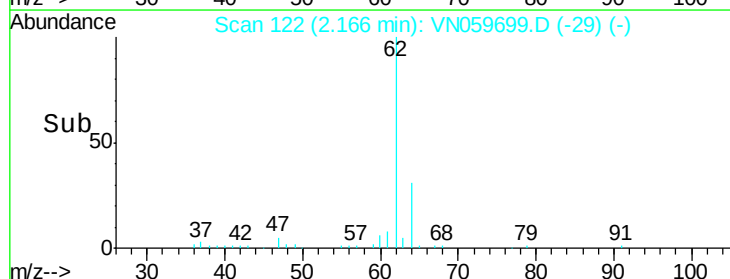


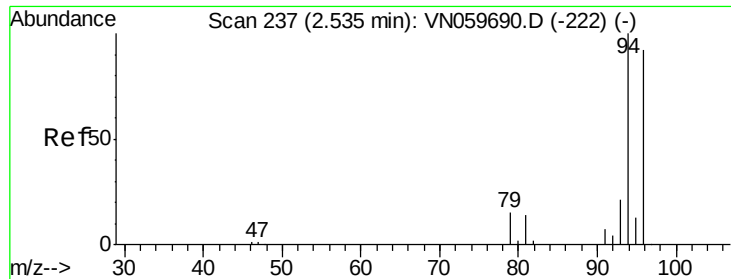
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 20.097 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

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ClientSampleId :

VN0114WBSD01

Tot Ion: 94 Resp: 29067

Ion Ratio Lower Upper

94 100

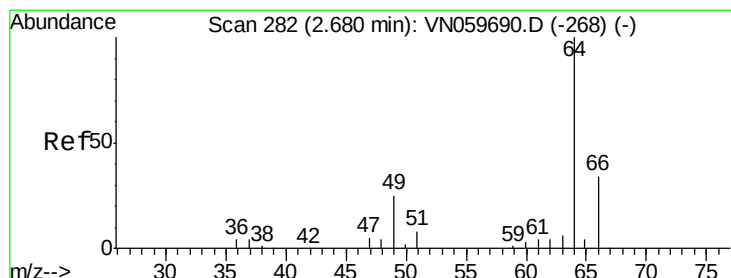
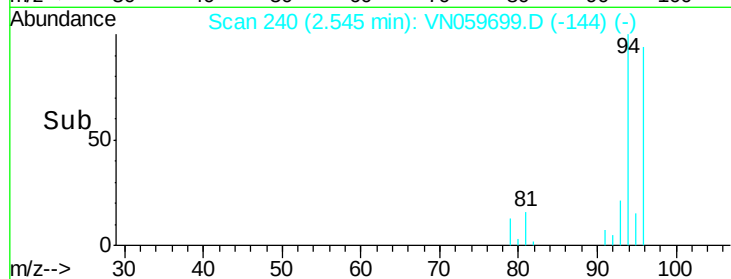
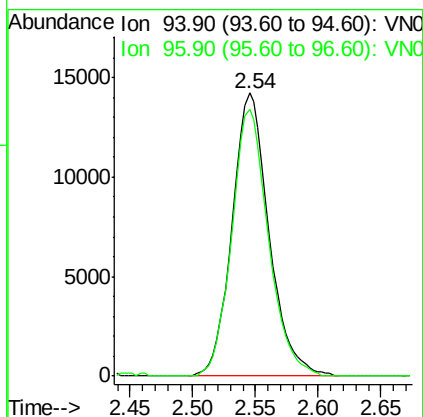
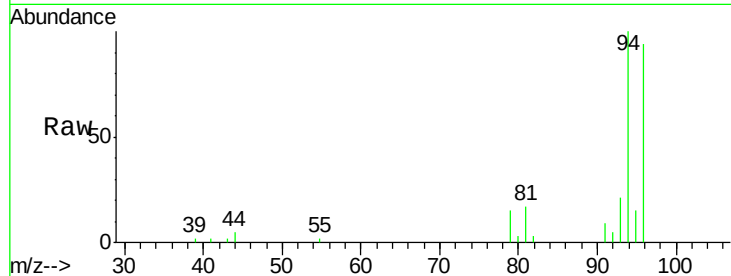
96 94.4 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.605 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059699.D

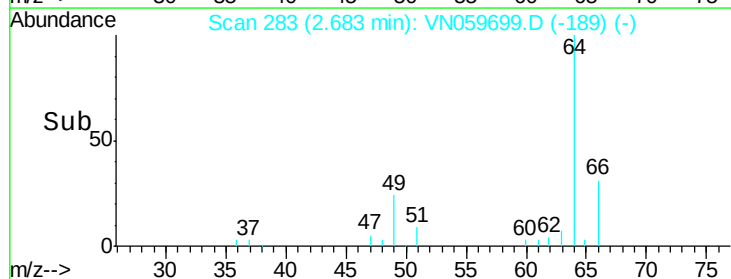
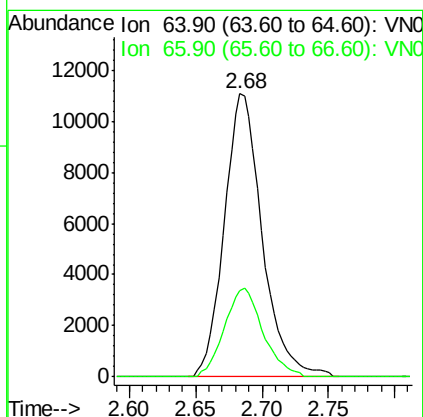
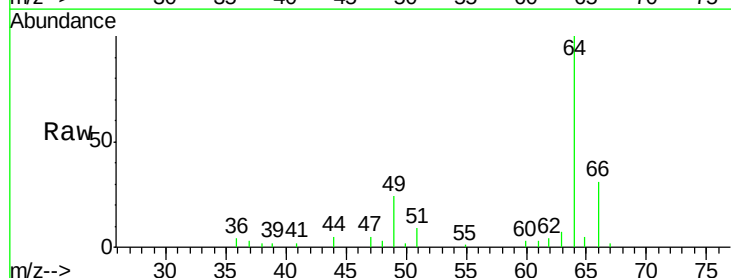
Acq: 14 Jan 2020 11:39

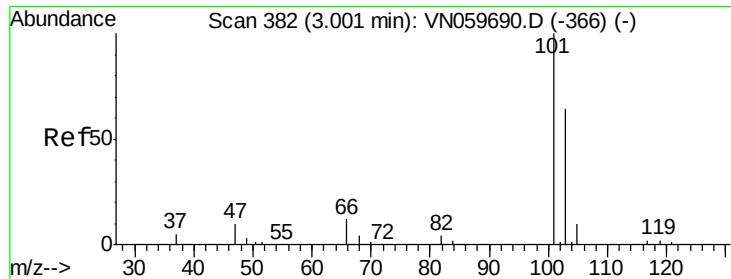
Tgt Ion: 64 Resp: 21982

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7





#7

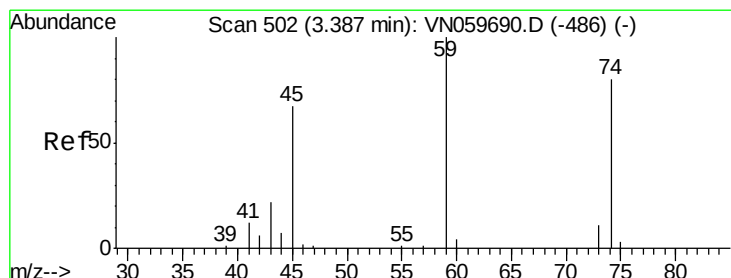
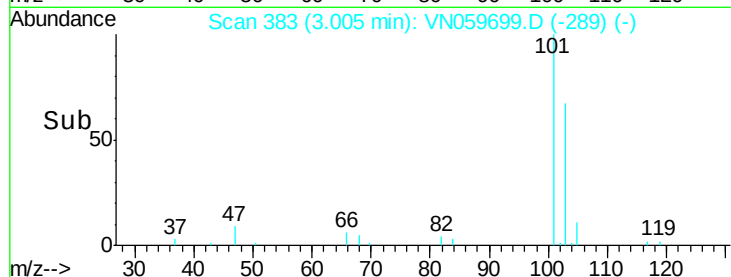
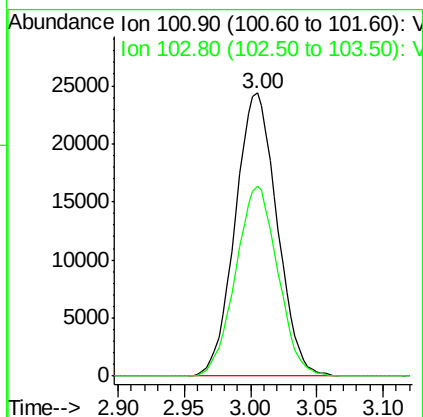
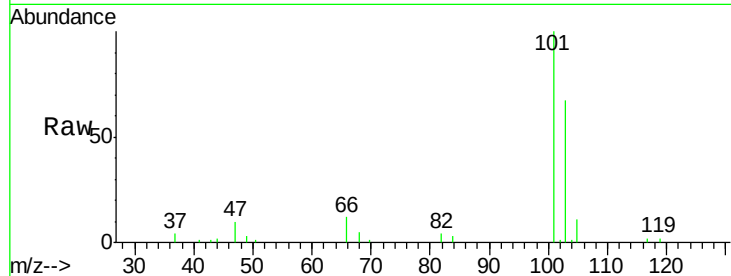
Trichlorofluoromethane
Concen: 18.818 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059699.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.0	76.6

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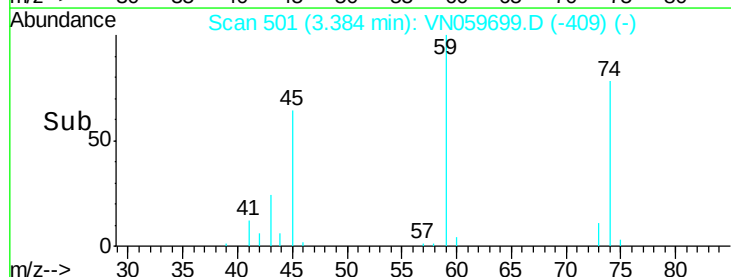
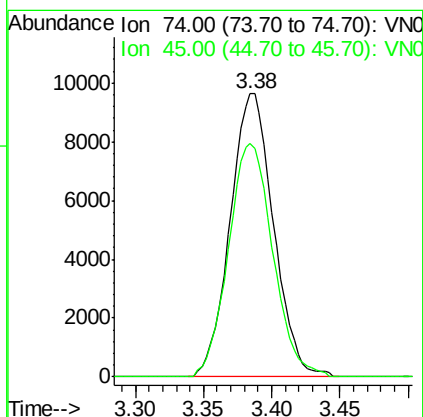
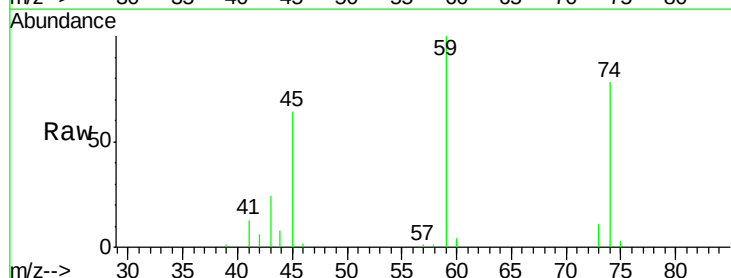
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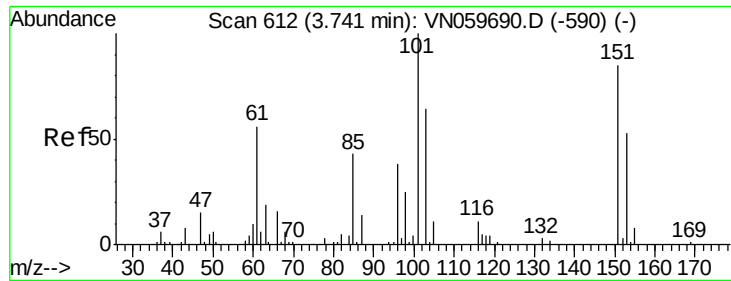


#8

Diethyl Ether
Concen: 21.275 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.811 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

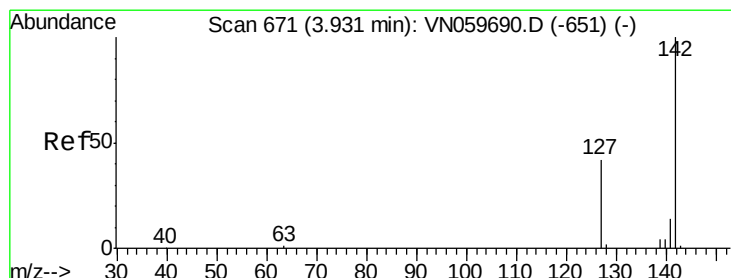
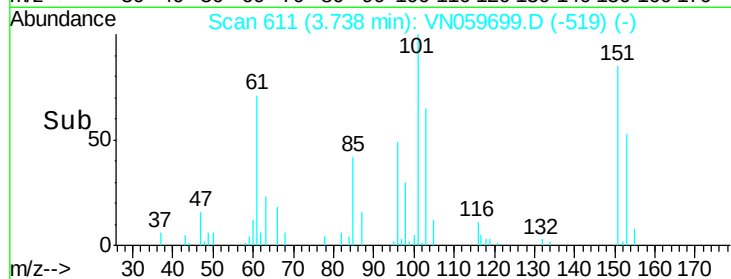
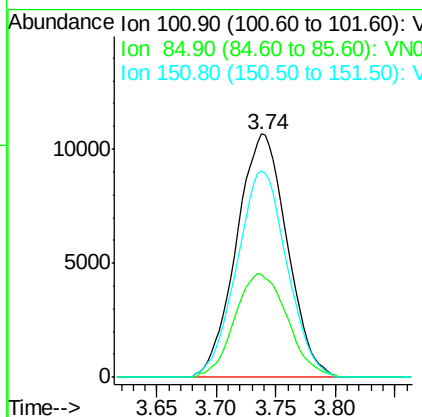
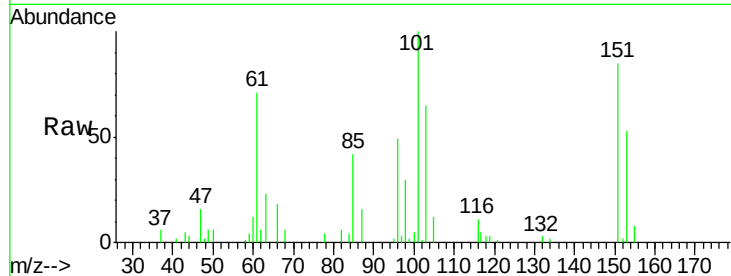
ClientSampleId :

VN0114WBSD01

Tot Ion:	101	Resp:	31383
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.6	54.8
151	84.2	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.922 ug/l

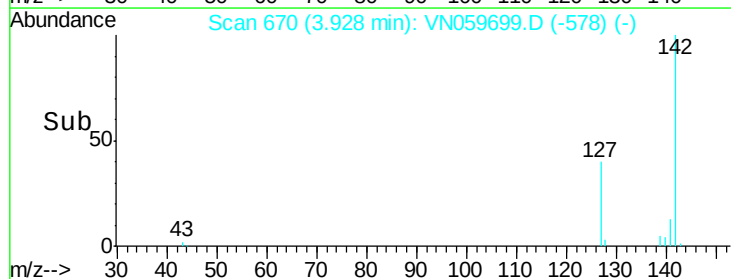
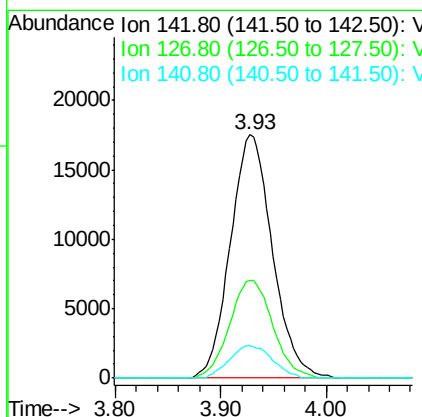
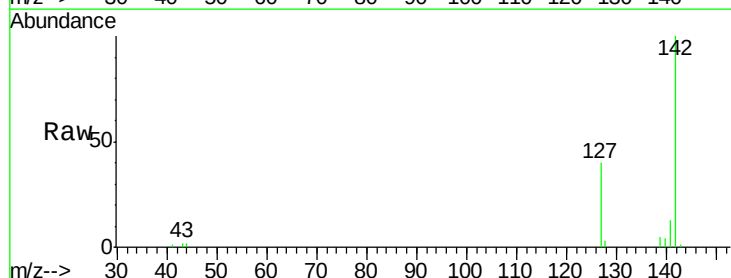
RT: 3.93 min Scan# 670

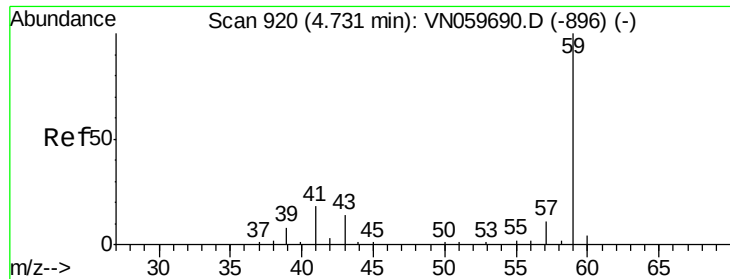
Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	142	Resp:	48450
Ion Ratio	Lower	Upper	
142	100		
127	41.3	36.7	55.1
141	13.6	11.7	17.5





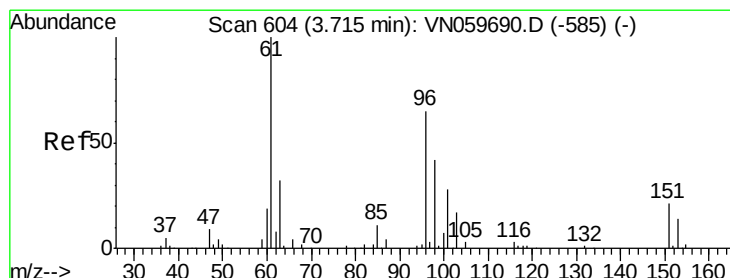
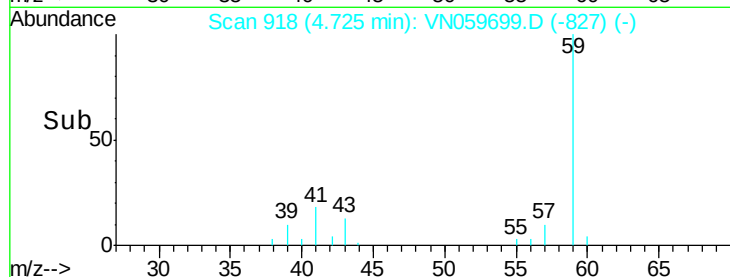
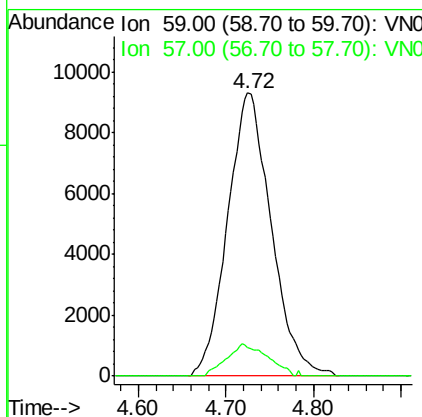
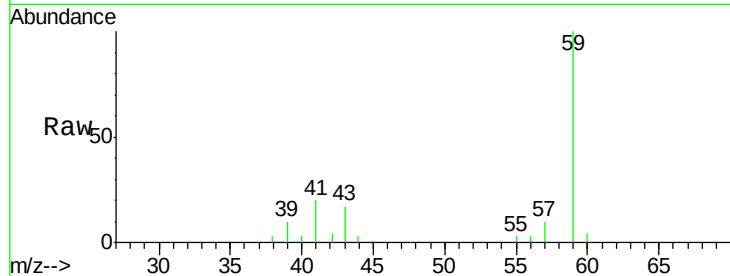
#11
Tert butyl alcohol
Concen: 95.360 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion: 59 Resp: 32255
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

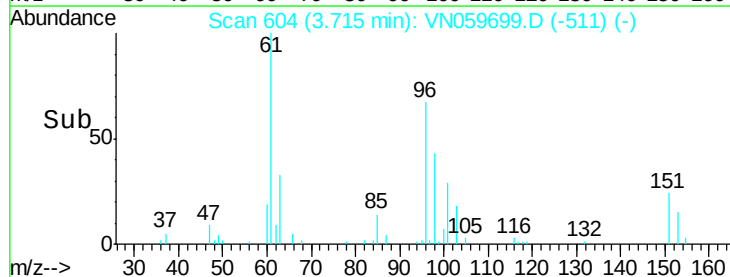
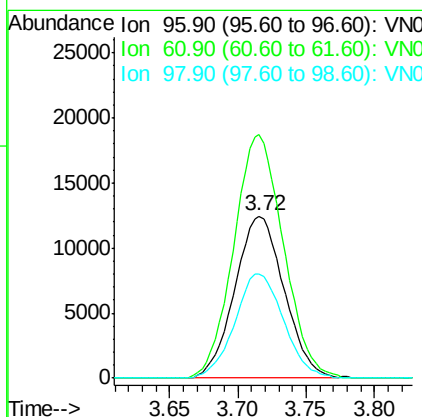
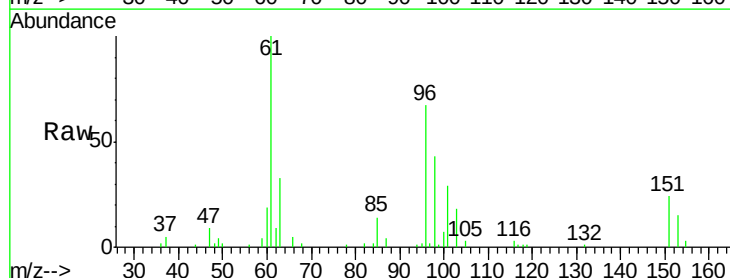
Manual Integrations
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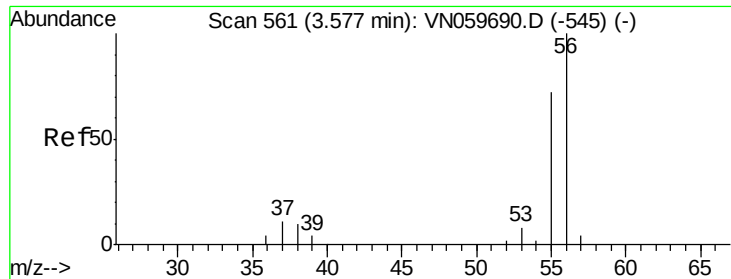
MMDadoda
1/15/2020 10:55:14 AM



#12
1,1-Dichloroethene
Concen: 18.869 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 96 Resp: 31233
Ion Ratio Lower Upper
96 100
61 150.1 137.5 206.3
98 64.2 50.2 75.4





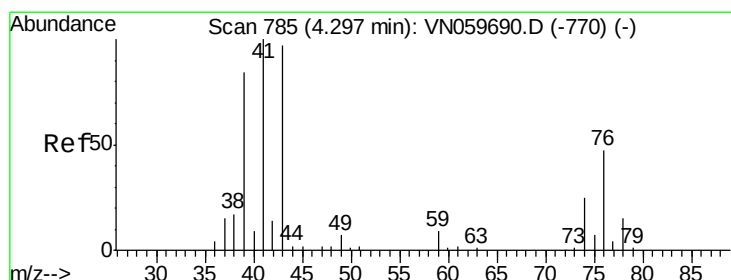
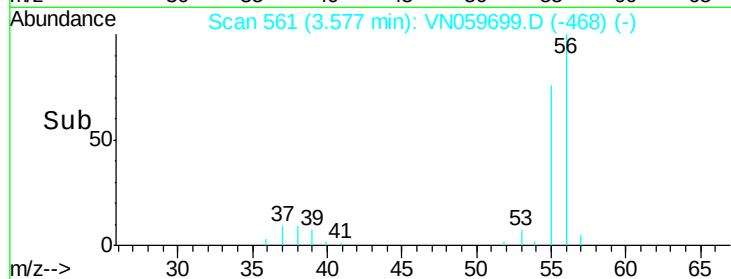
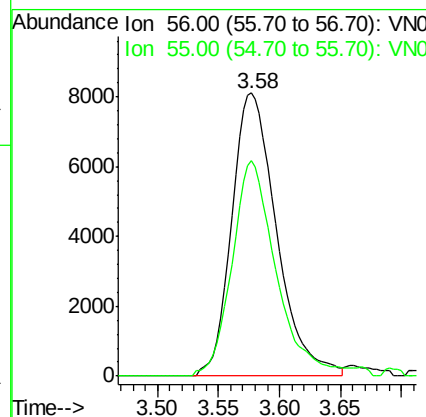
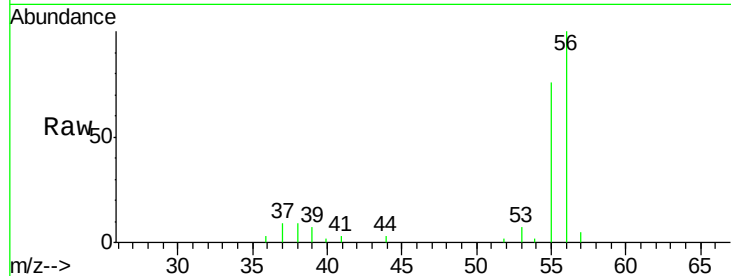
#13
Acrolein
Concen: 86.508 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion: 56 Resp: 20713
Ion Ratio Lower Upper
56 100
55 74.6 58.6 88.0

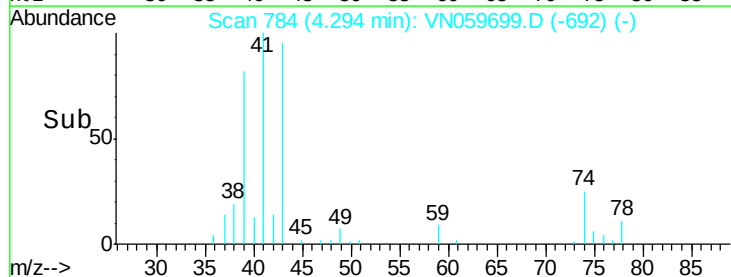
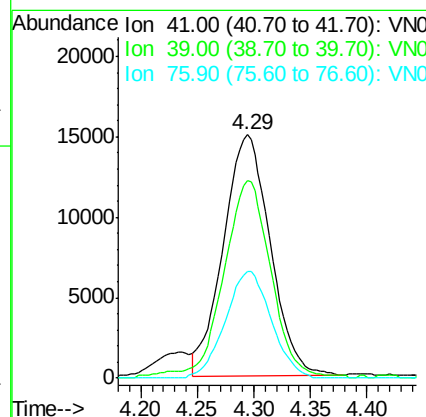
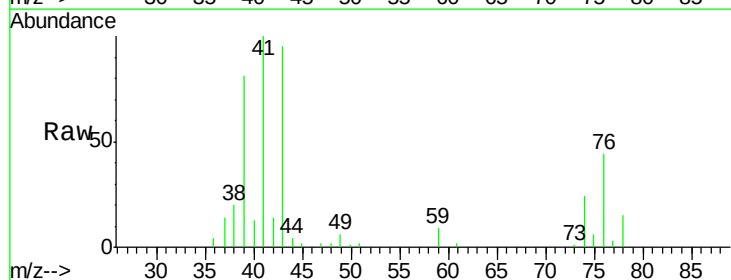
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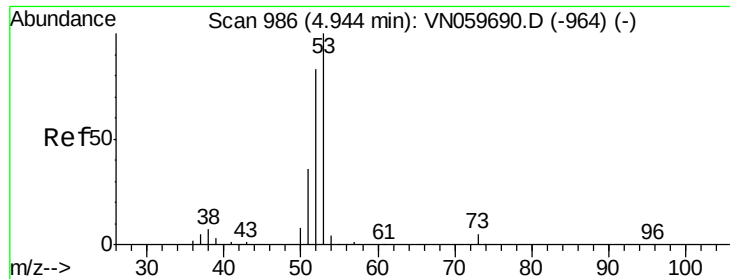
MMDadoda
1/15/2020 10:55:14 AM



#14
Allyl chloride
Concen: 19.481 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 41 Resp: 43465
Ion Ratio Lower Upper
41 100
39 82.3 57.8 86.8
76 43.0 25.4 38.0#





#15

Acrylonitrile

Concen: 99.585 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

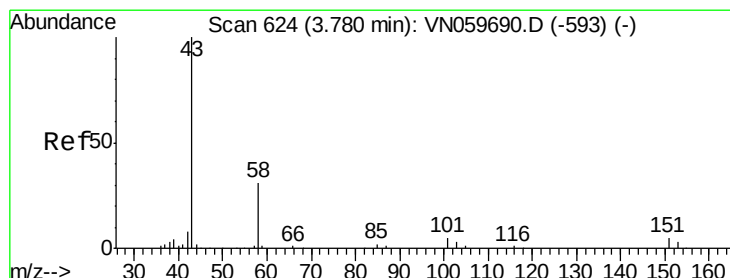
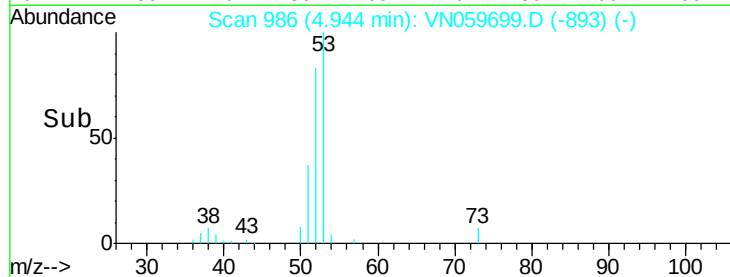
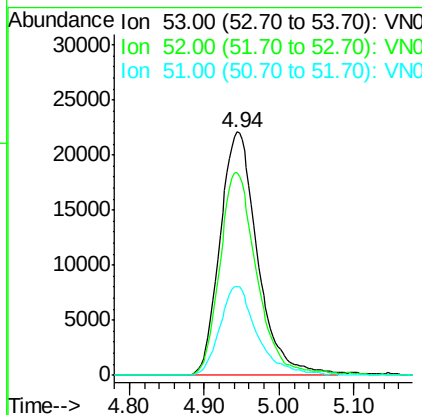
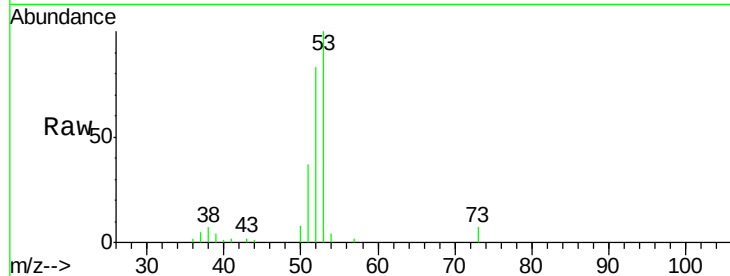
ClientSampleId :

VN0114WBSD01

Tot Ion:	53	Resp:	76836
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.3	99.5
51	36.4	29.7	44.5

Manual Integrations
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1/15/2020 10:55:14 AM



#16

Acetone

Concen: 93.285 ug/l

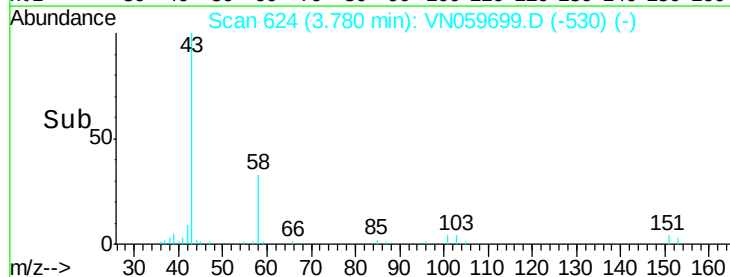
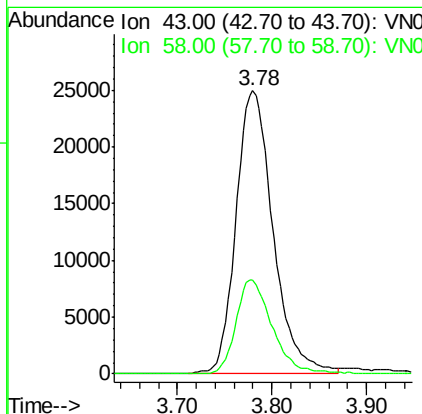
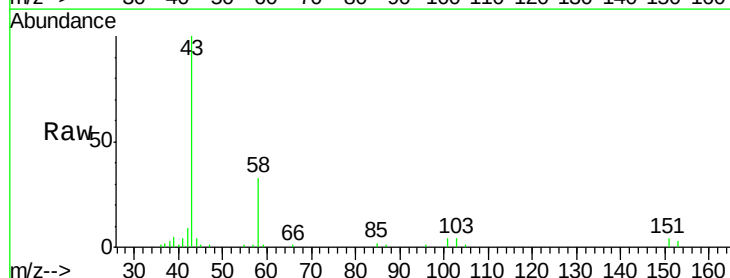
RT: 3.78 min Scan# 624

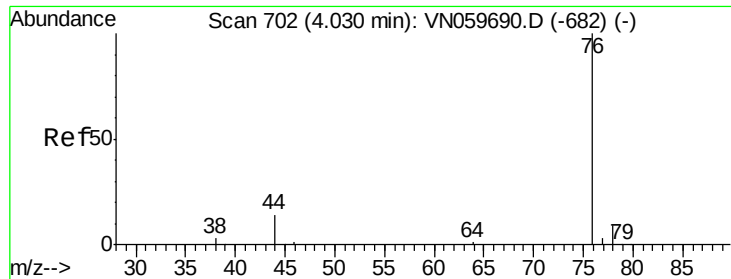
Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	43	Resp:	68228
Ion	Ratio	Lower	Upper
43	100		
58	33.1	23.6	35.4





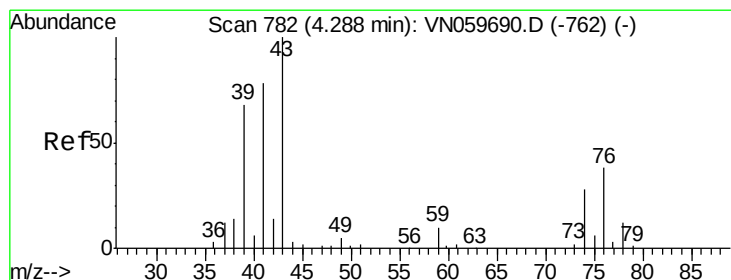
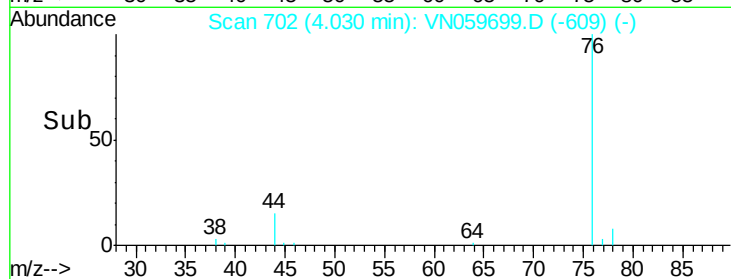
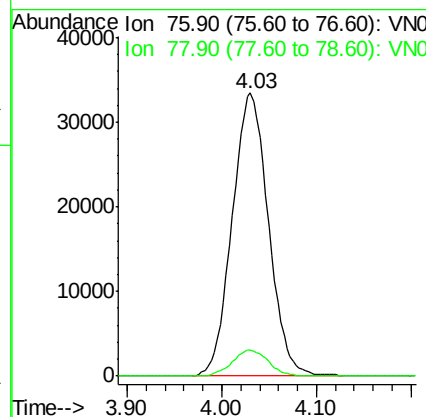
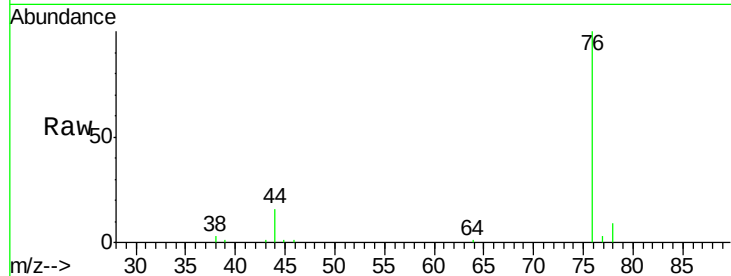
#17
Carbon Disulfide
Concen: 18.875 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.3	7.4	11.0	

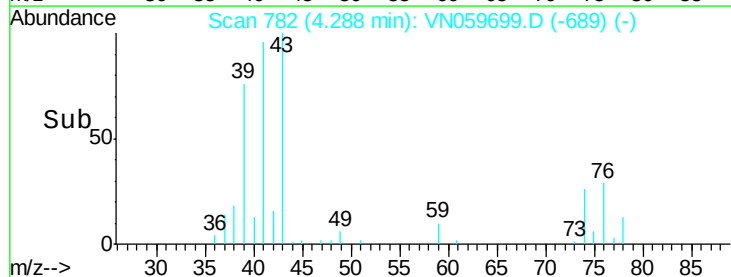
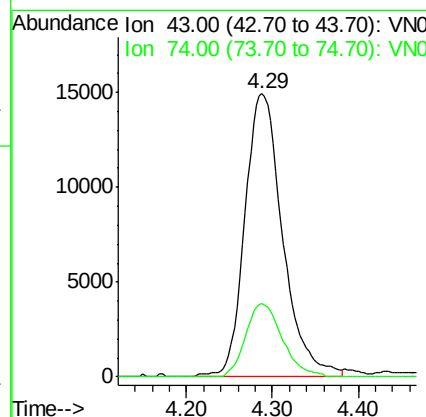
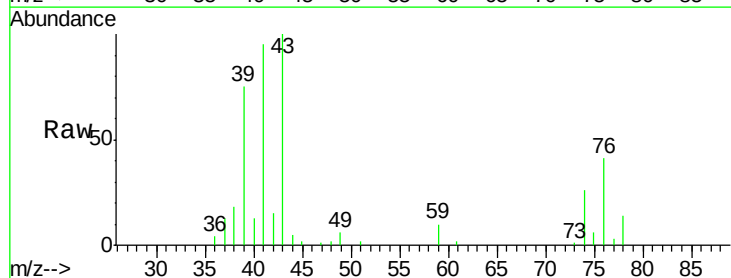
Manual Integrations
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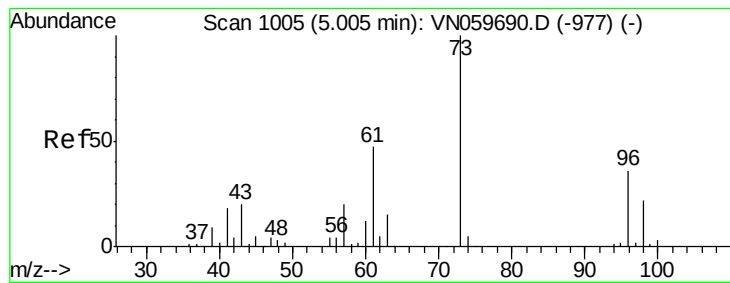
MMDadoda
1/15/2020 10:55:14 AM



#18
Methyl Acetate
Concen: 19.495 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	25.0	17.5	26.3	





#19

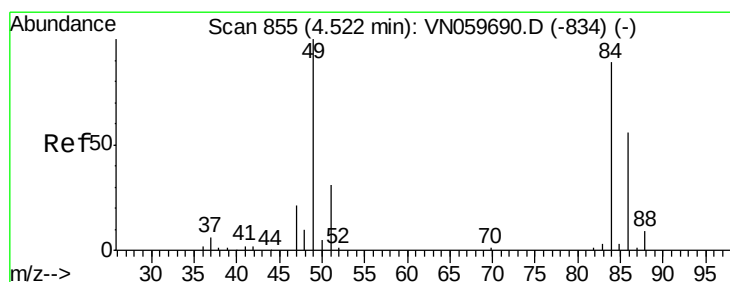
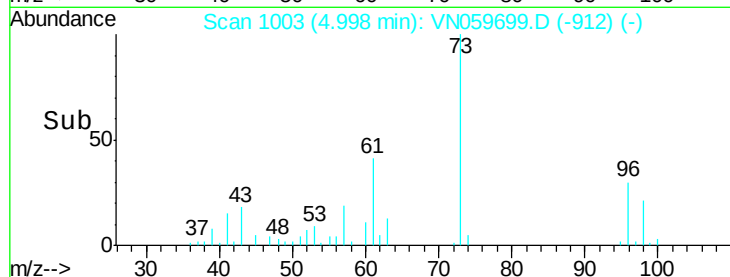
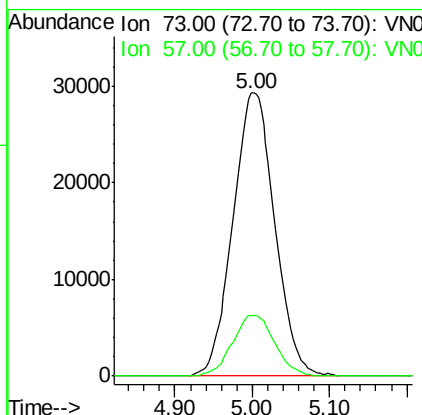
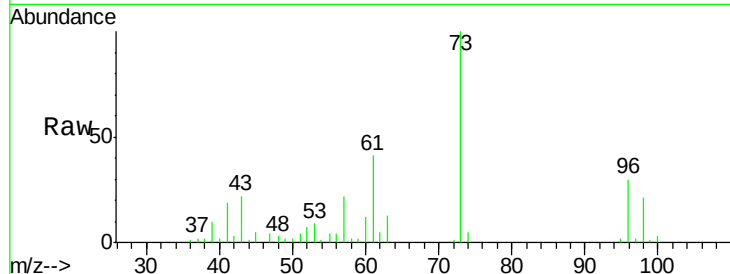
Methyl tert-butyl Ether
 Concen: 20.394 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion: 73 Resp: 110064
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.6 27.8

Manual Integrations
 APPROVED

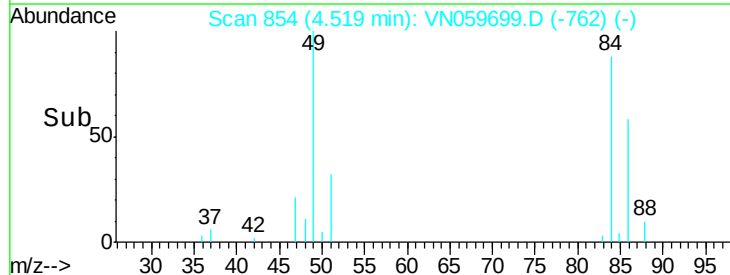
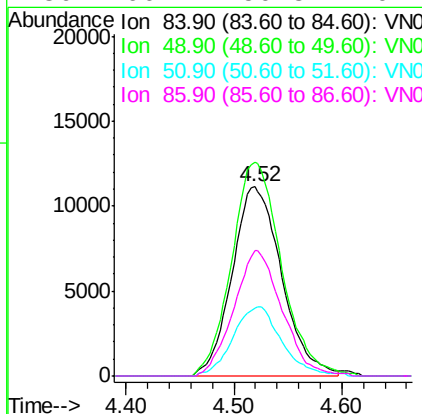
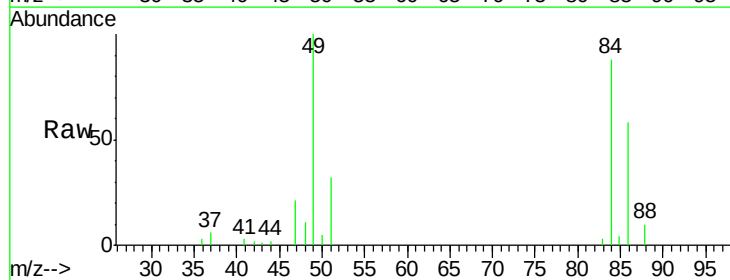
MMDadoda
 1/15/2020 10:55:14 AM

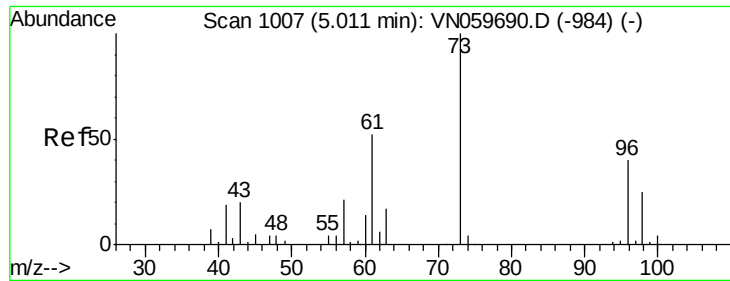


#20

Methylene Chloride
 Concen: 18.730 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion: 84 Resp: 35518
 Ion Ratio Lower Upper
 84 100
 49 113.0 106.6 160.0
 51 36.1 31.9 47.9
 86 66.1 50.8 76.2





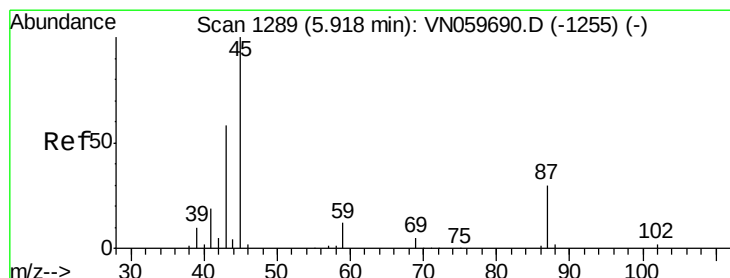
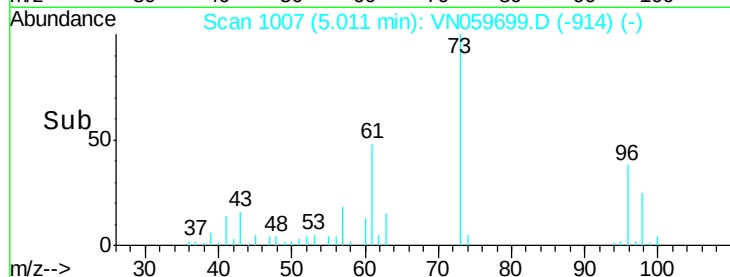
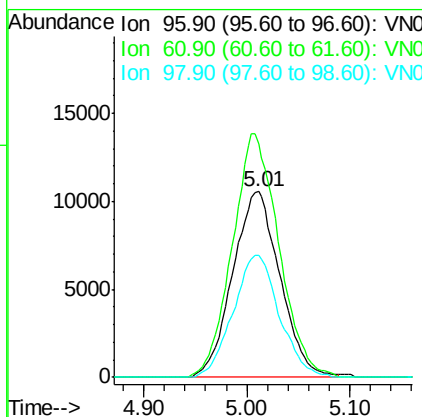
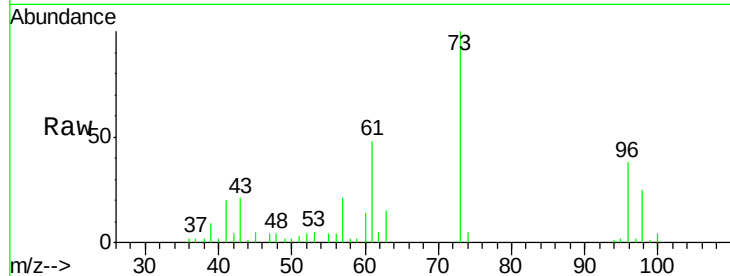
#21
trans-1,2-Dichloroethene
Concen: 19.101 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	120.4	180.6
98	66.0	50.6	75.8

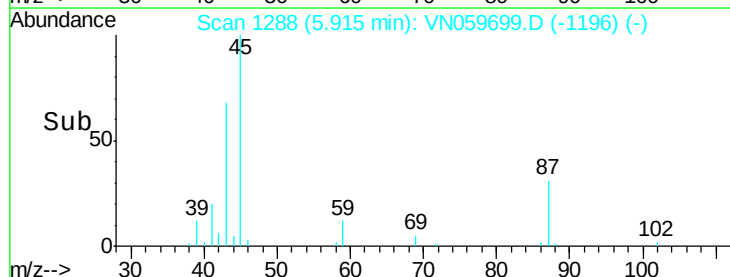
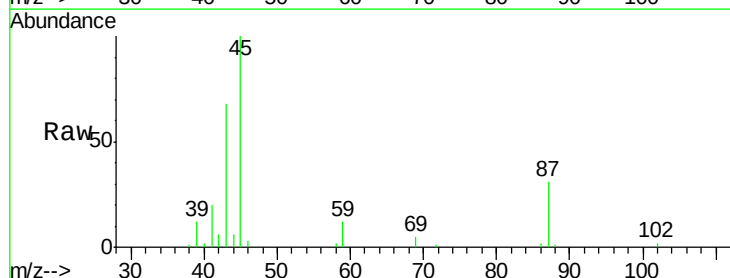
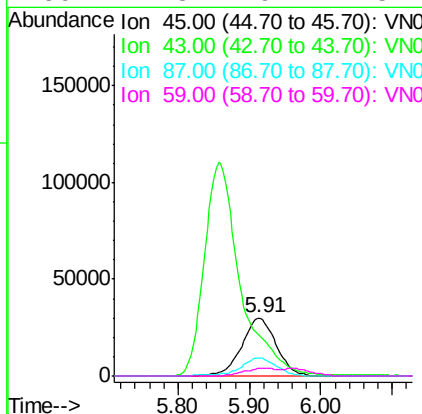
Manual Integrations
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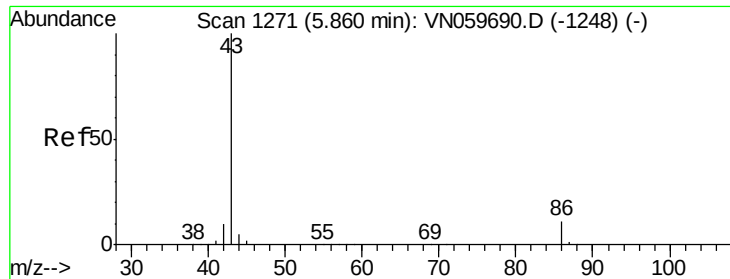
MMDadoda
1/15/2020 10:55:14 AM



#22
Diisopropyl ether
Concen: 20.025 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	50.8	76.2
87	31.3	21.0	31.6
59	12.3	9.1	13.7





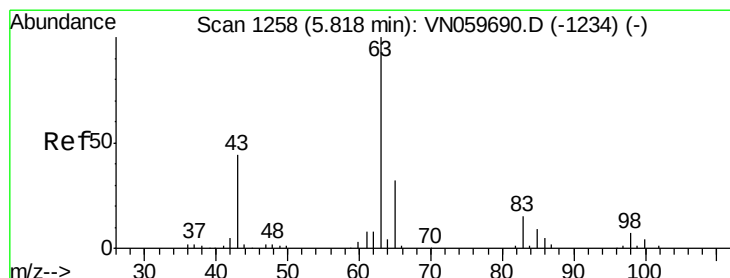
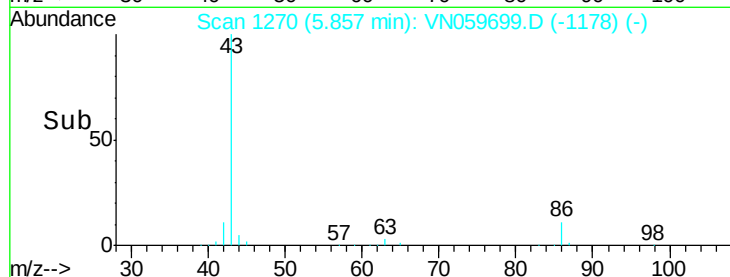
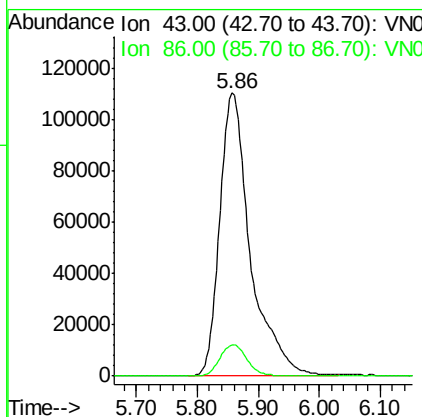
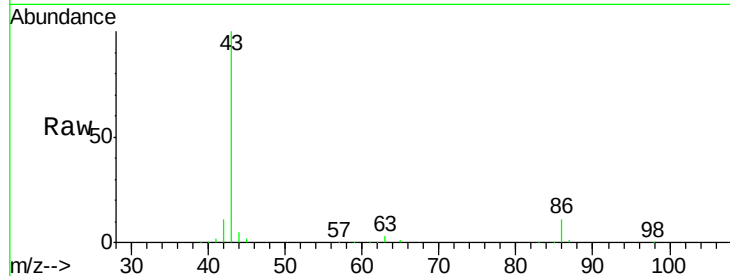
#23
 Vinyl Acetate
 Concen: 98.850 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	43	Resp	386965
Ion Ratio	100	Lower	Upper
43	100		
86	11.2	7.6	11.4

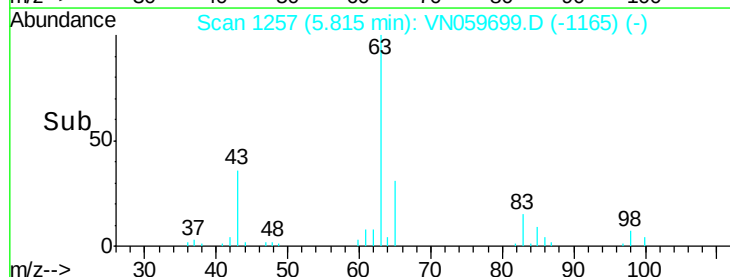
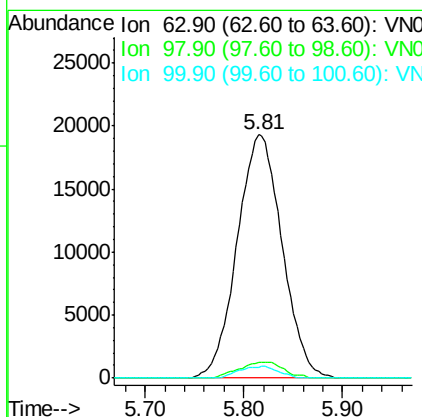
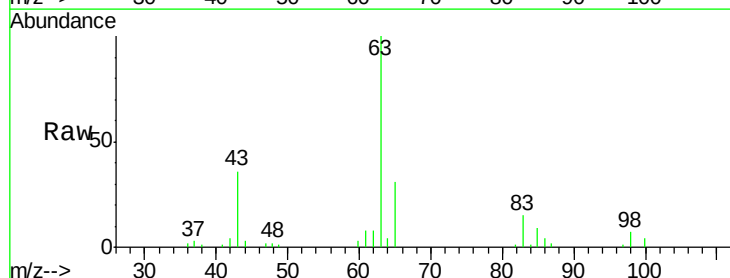
Manual Integrations
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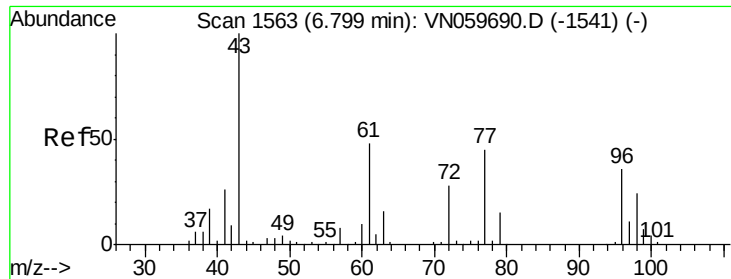
MMDadoda
 1/15/2020 10:55:14 AM



#24
 1,1-Dichloroethane
 Concen: 19.701 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	63	Resp	60865
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	2.9	8.7
100	4.5	2.0	6.0





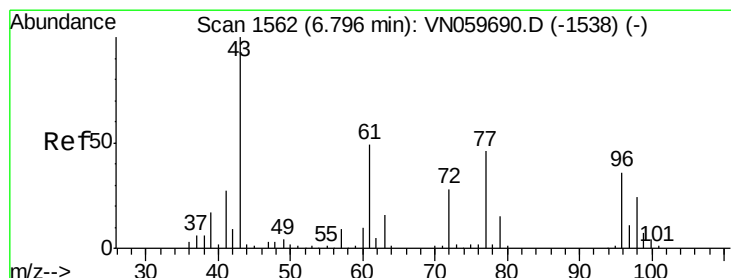
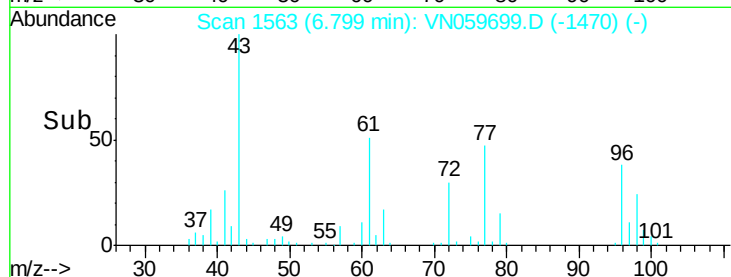
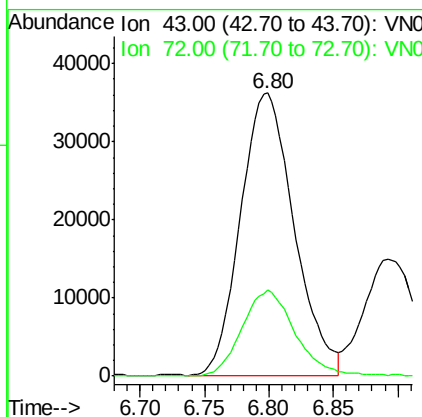
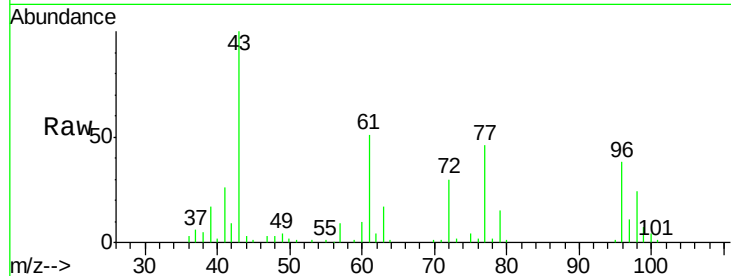
#25
2-Butanone
Concen: 92.538 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion: 43 Resp: 105291
Ion Ratio Lower Upper
43 100
72 30.3 19.9 29.9#

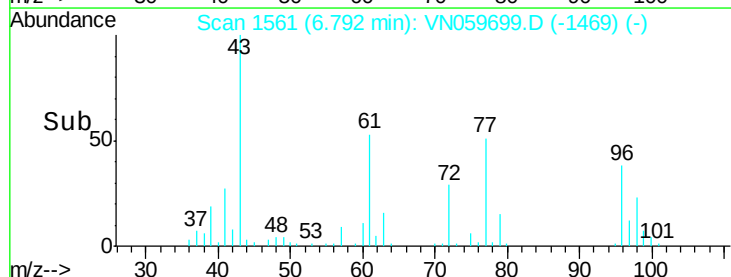
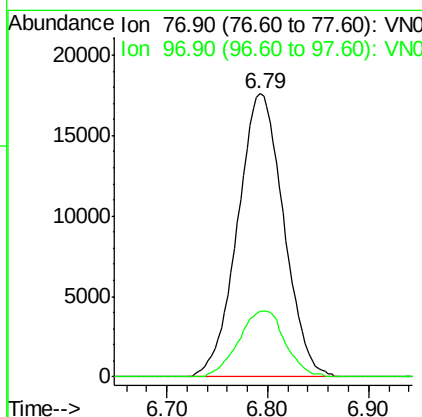
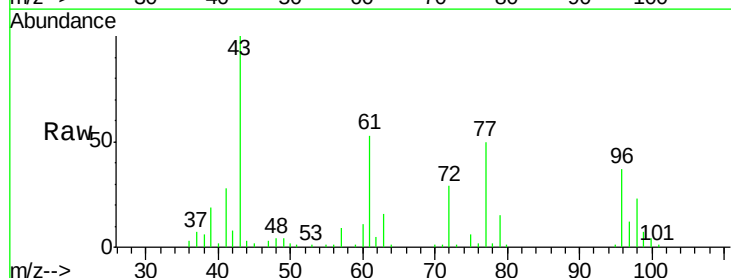
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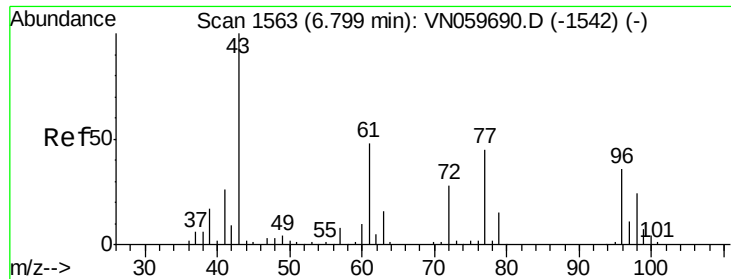
MMDadoda
1/15/2020 10:55:14 AM



#26
2,2-Dichloropropane
Concen: 18.748 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 77 Resp: 55685
Ion Ratio Lower Upper
77 100
97 23.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.853 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

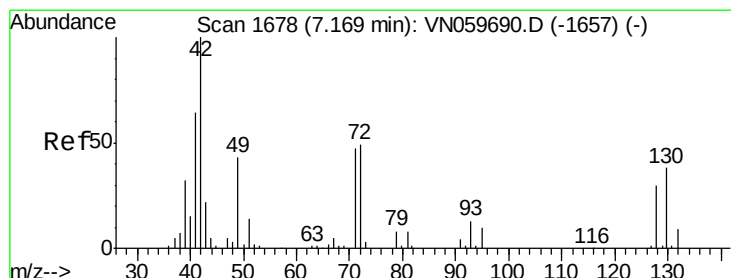
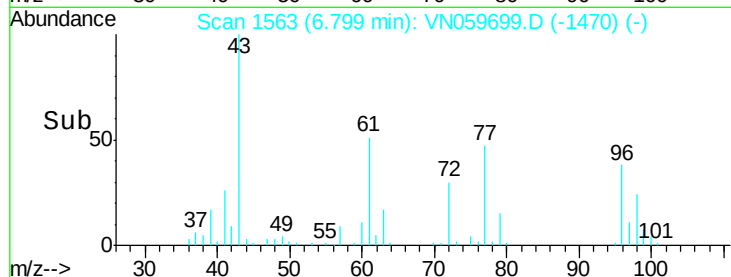
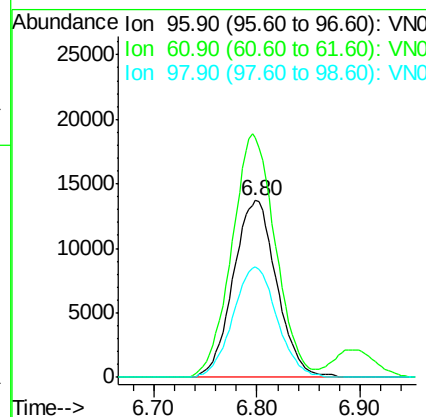
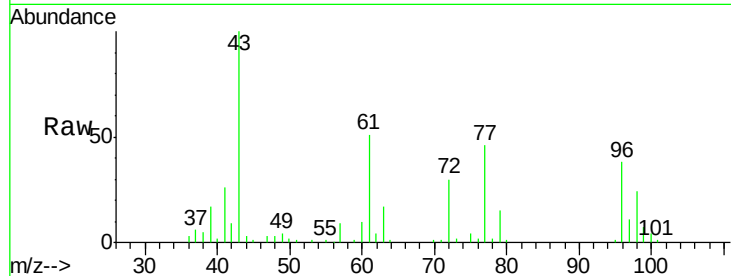
ClientSampleId :

VN0114WBSD01

Tot Ion:	96	Resp:	40179
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	317.6
98	63.0	0.0	127.0

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#28

Bromochloromethane

Concen: 19.185 ug/l

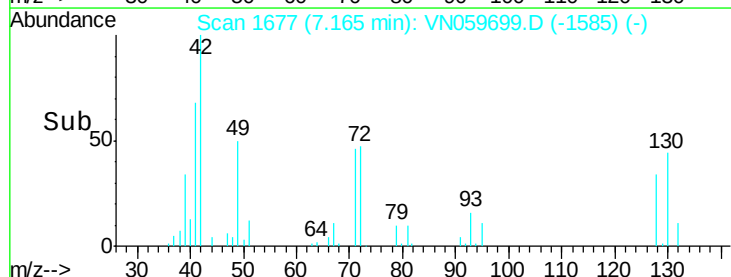
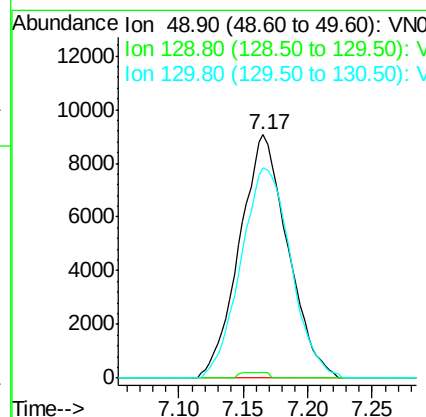
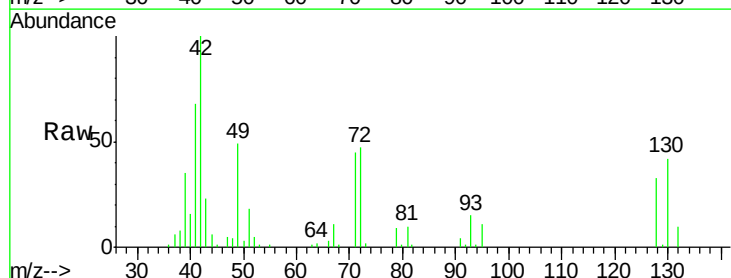
RT: 7.17 min Scan# 1677

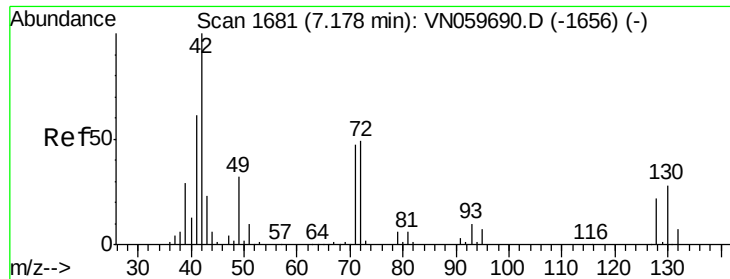
Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	49	Resp:	23689
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	89.5	54.7	82.1#





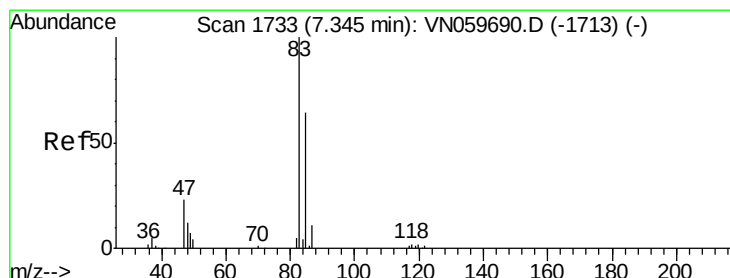
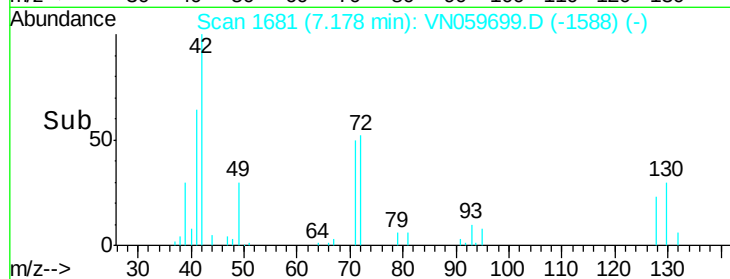
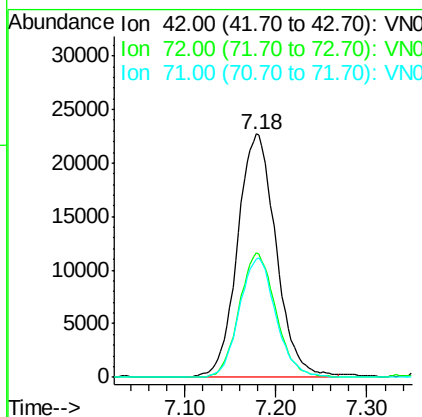
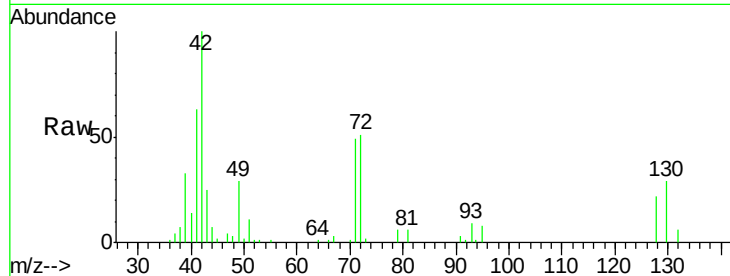
#29
Tetrahydrofuran
Concen: 94.872 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	46.5	31.4	47.0

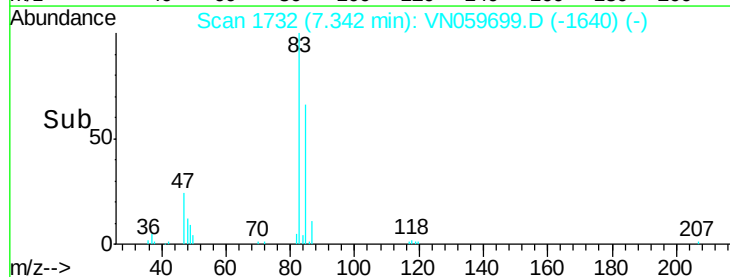
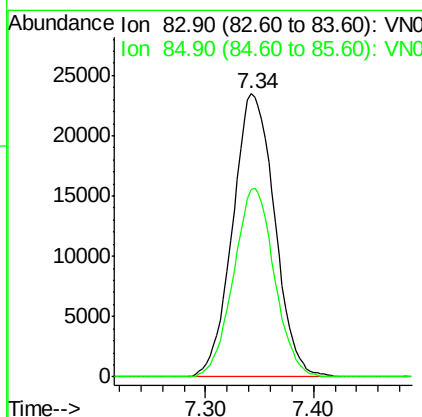
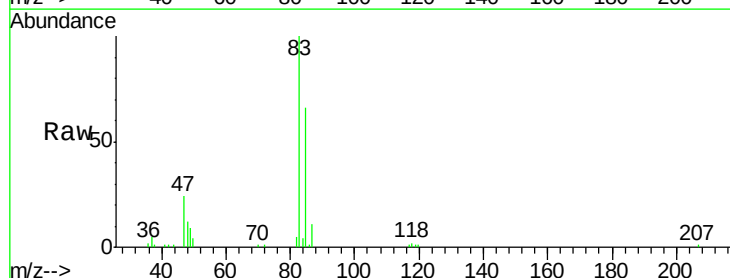
Manual Integrations
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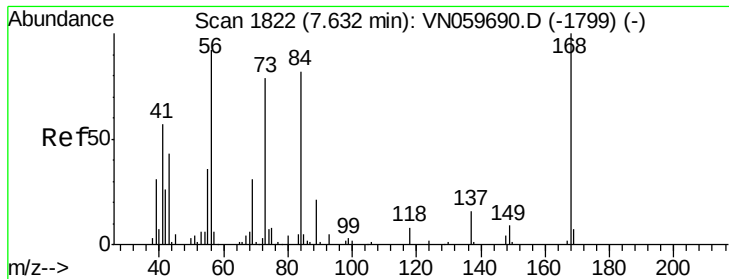
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1/15/2020 10:55:14 AM



#30
Chloroform
Concen: 19.840 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6





#31

Cyclohexane

Concen: 18.534 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

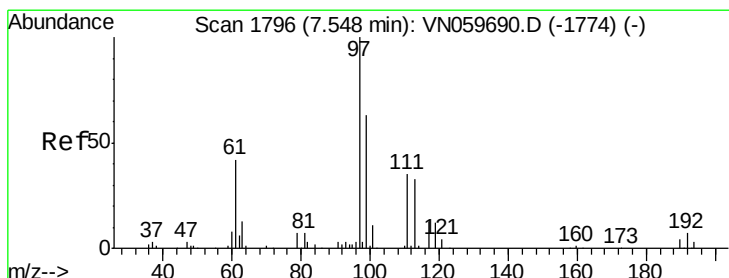
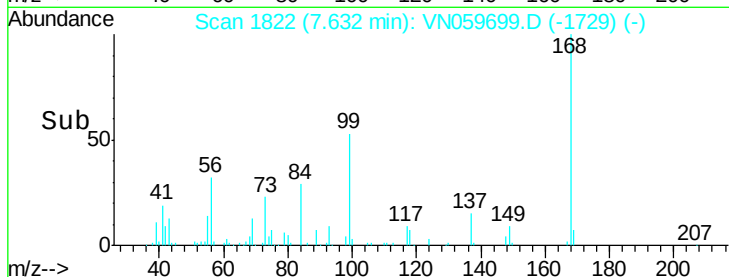
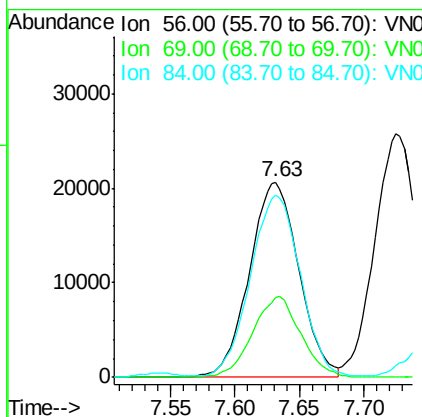
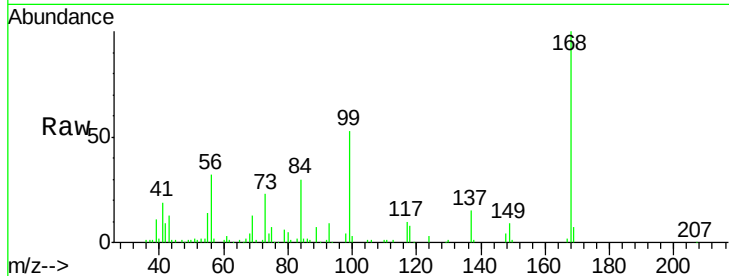
ClientSampleId :

VN0114WBSD01

Tot Ion:	56	Resp:	55097
Ion Ratio	Lower	Upper	
56	100		
69	40.8	26.5	39.7#
84	92.3	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 19.313 ug/l

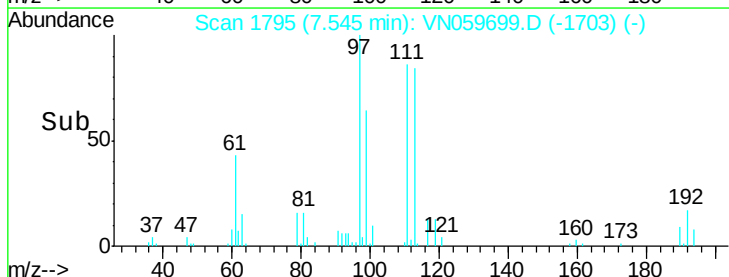
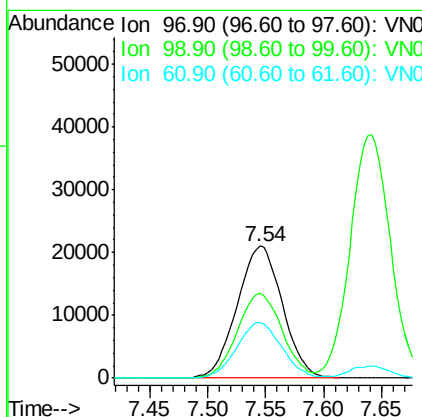
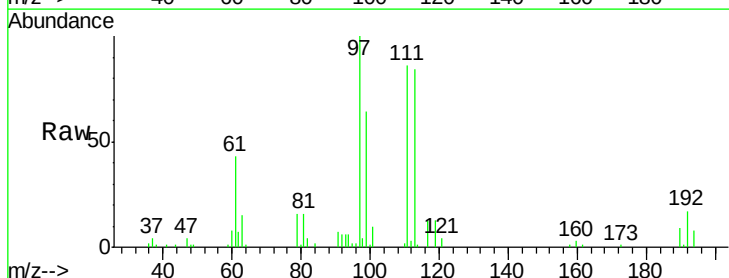
RT: 7.54 min Scan# 1795

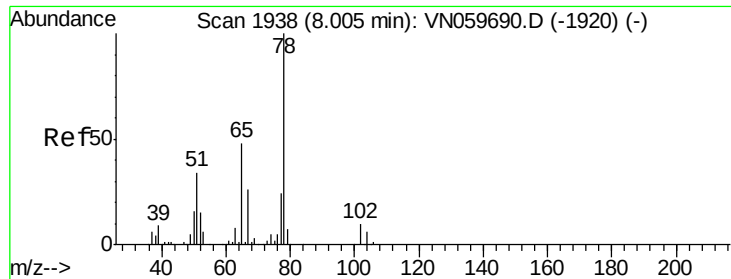
Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	97	Resp:	57161
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.4
61	41.7	38.5	57.7





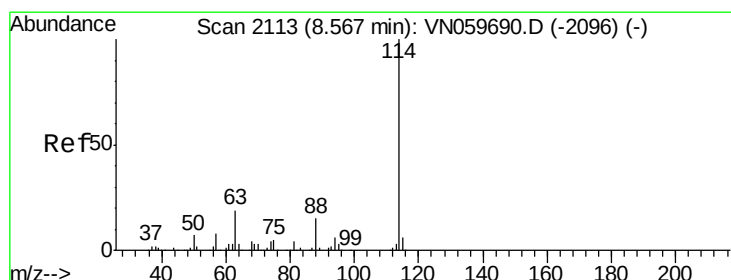
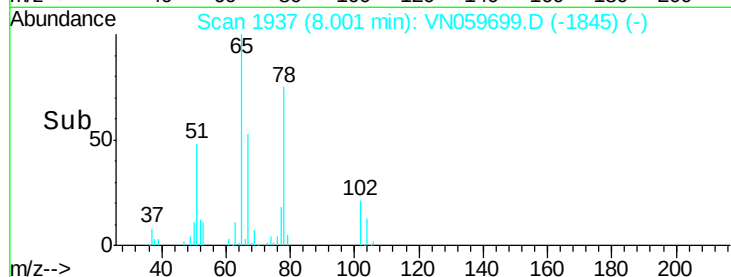
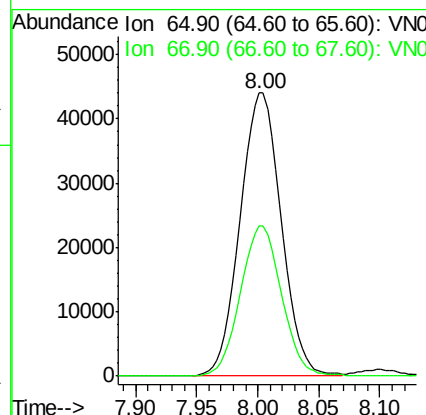
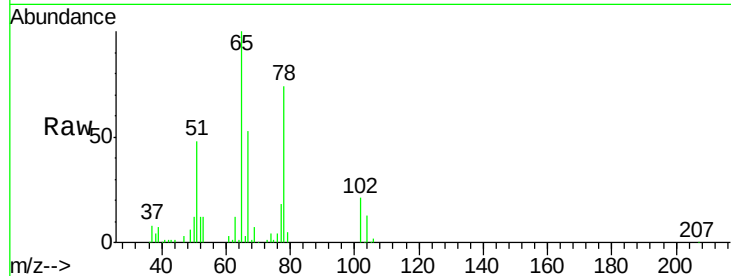
#33
 1,2-Dichloroethane-d4
 Concen: 51.120 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102712		
67	53.2	0.0	103.0	

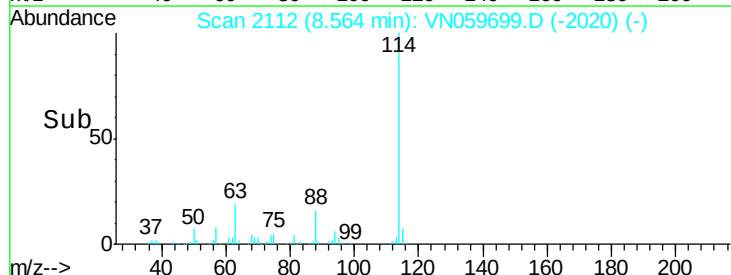
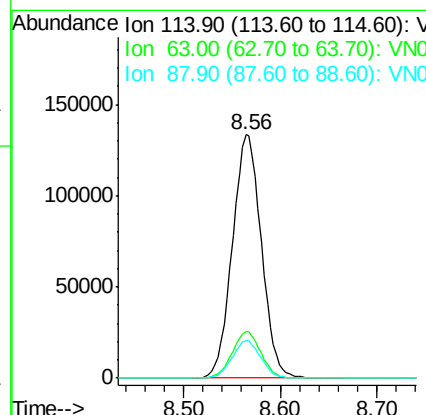
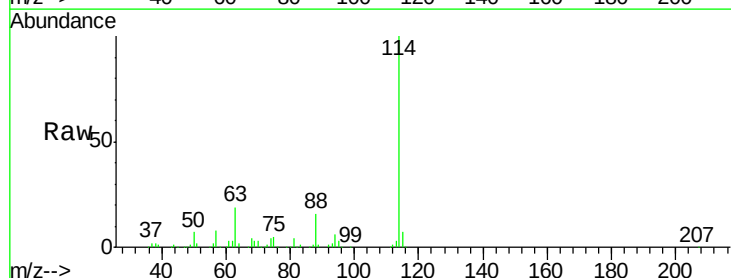
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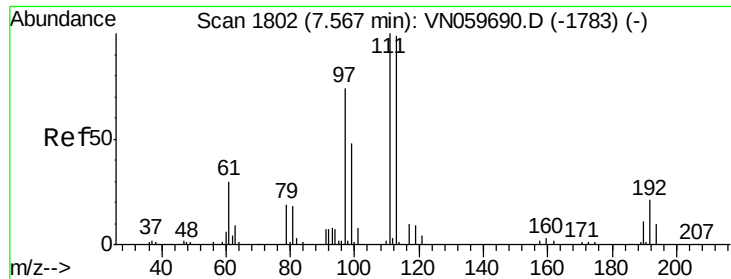
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	278007		
63	19.1	0.0	43.6	
88	15.5	0.0	31.4	





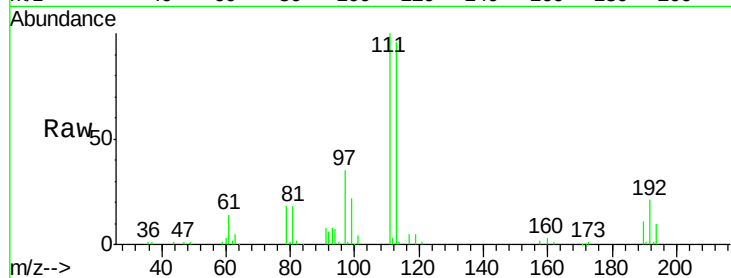
#35
 Dibromofluoromethane
 Concen: 52.517 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

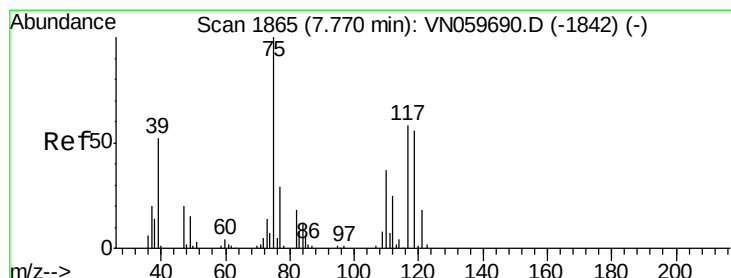
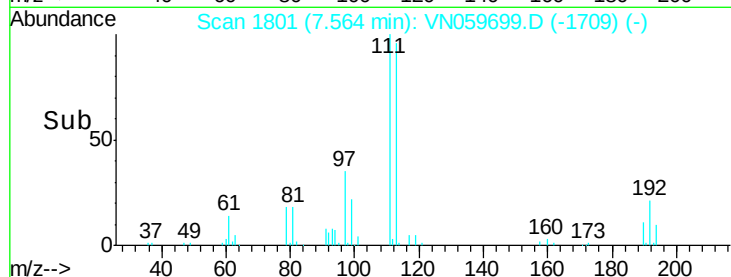
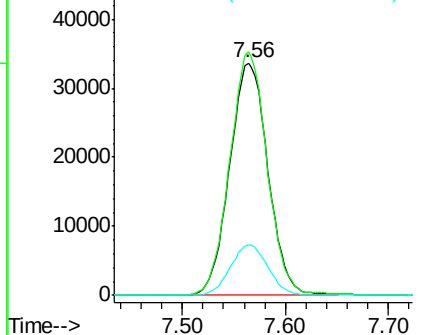
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	21.1	15.4	23.2

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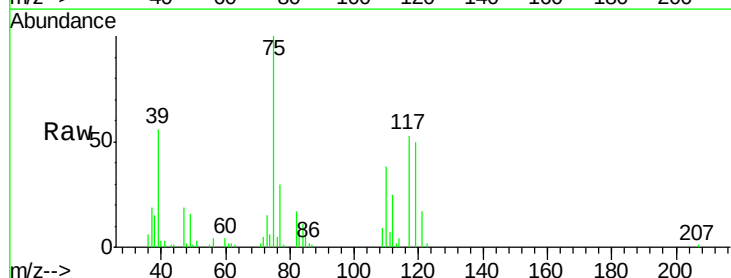


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

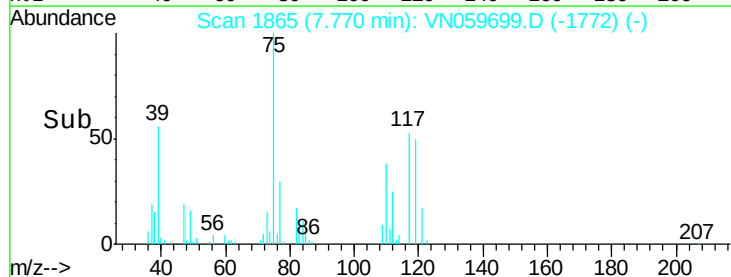
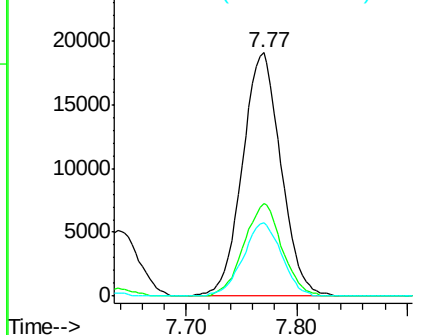


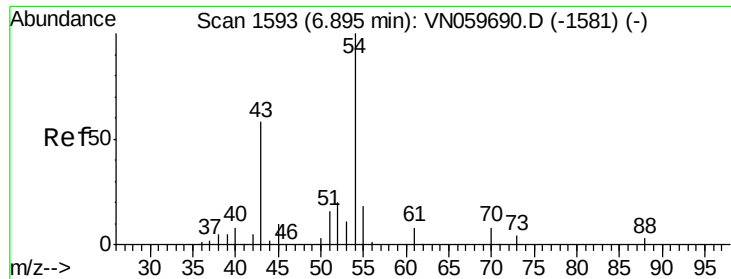
#36
 1,1-Dichloropropene
 Concen: 19.055 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	16.6	49.7
77	30.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





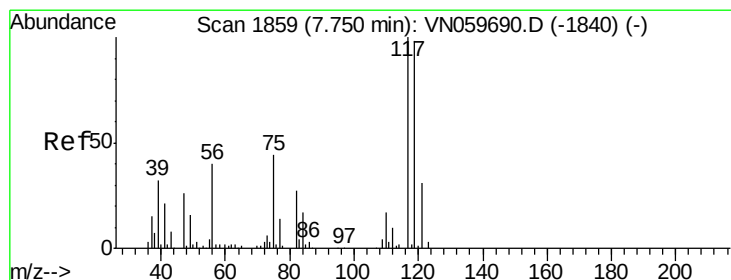
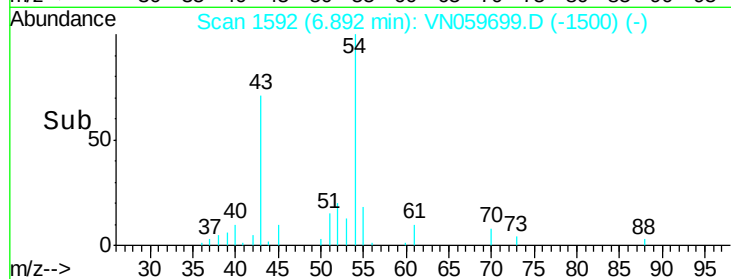
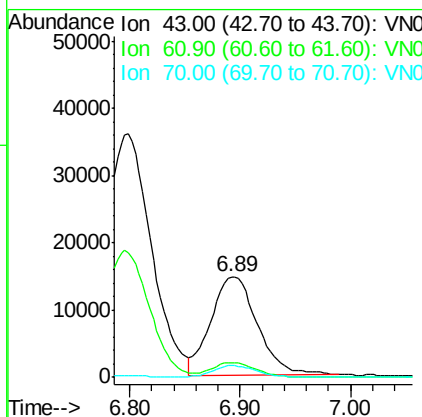
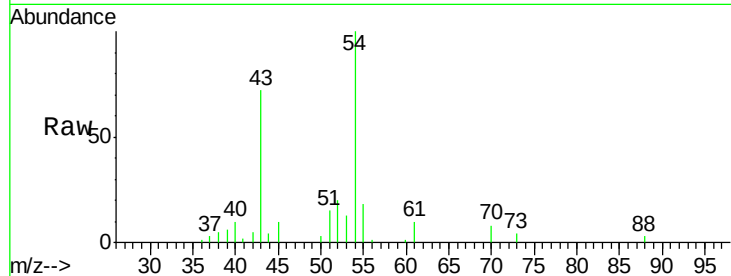
#37
Ethyl Acetate
Concen: 18.982 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.8	7.7	11.5

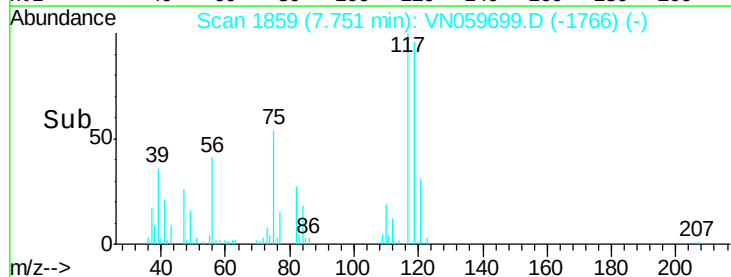
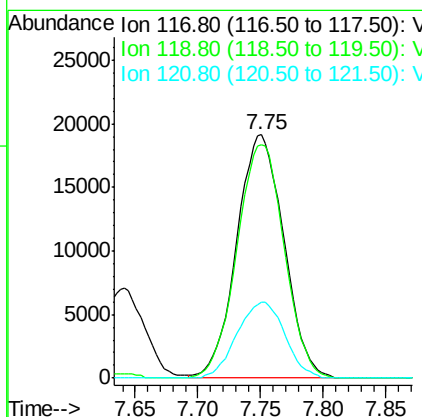
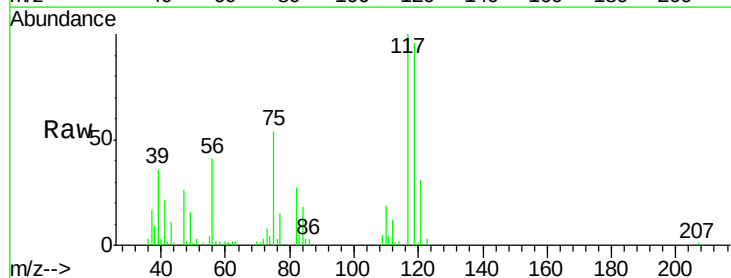
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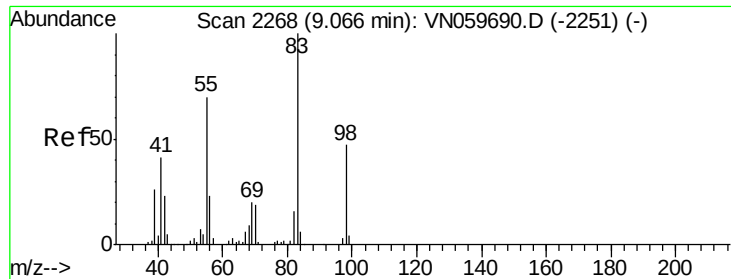
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#38
Carbon Tetrachloride
Concen: 19.011 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
121	31.4	25.1	37.7





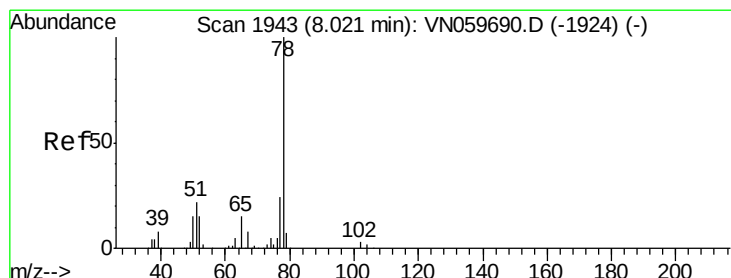
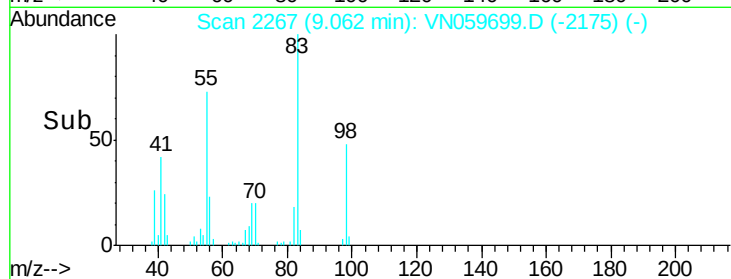
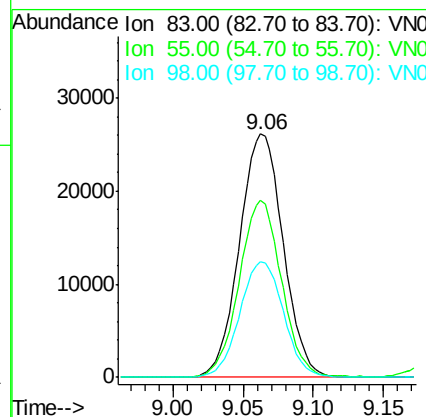
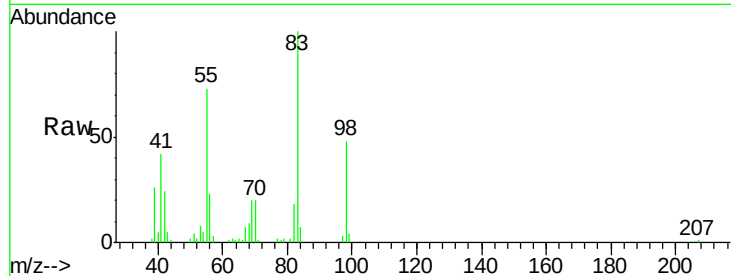
#39
Methylvlcyclohexane
Concen: 19.025 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	64.2	96.2
98	47.6	35.9	53.9

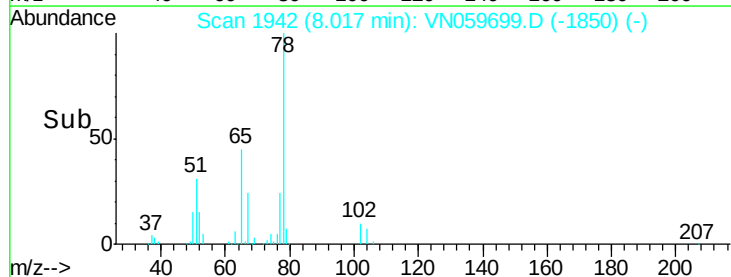
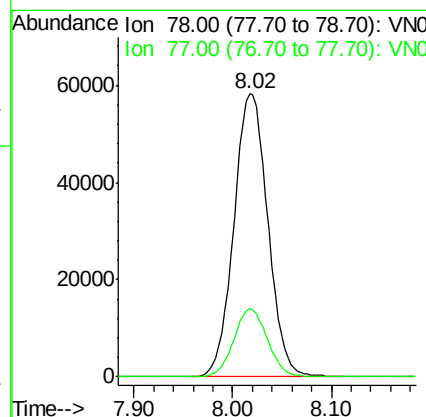
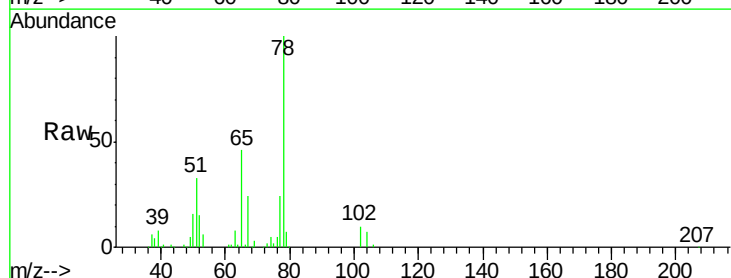
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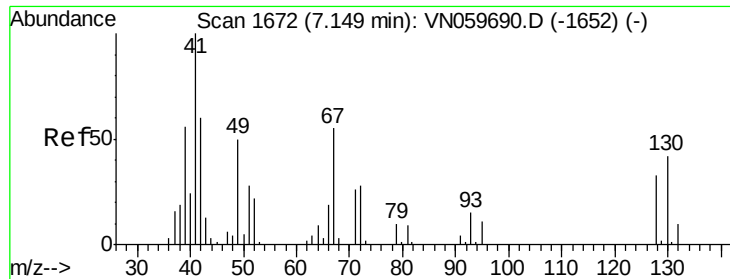
MMDadoda
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#40
Benzene
Concen: 19.328 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





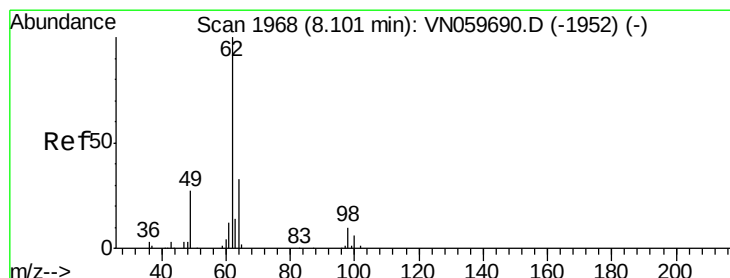
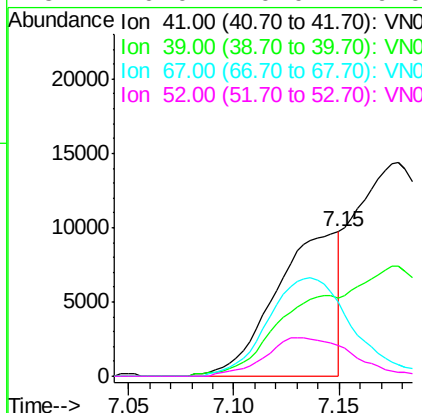
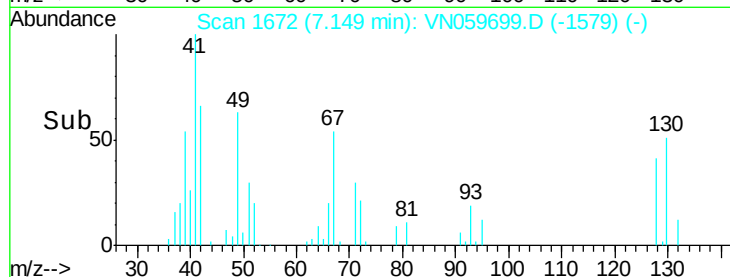
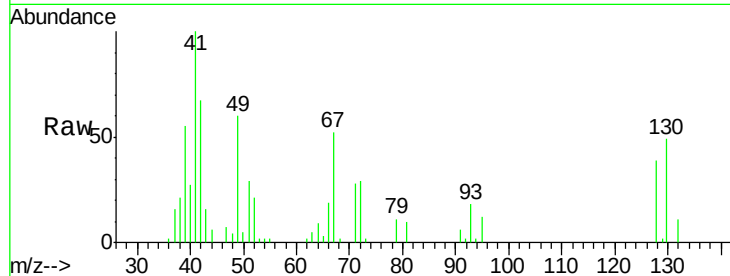
#41
Methacrylonitrile
Concen: 18.019 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	41	Resp	20153
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

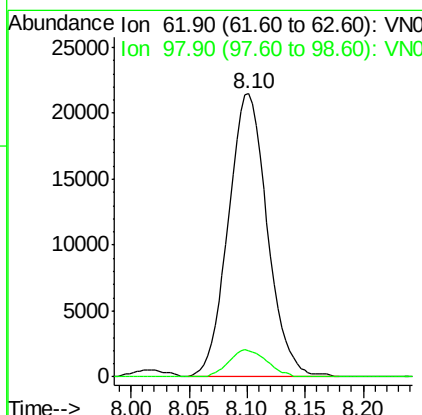
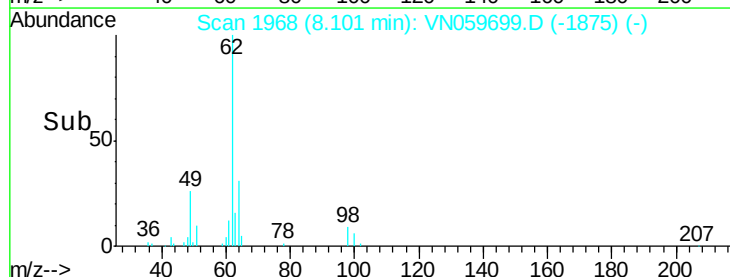
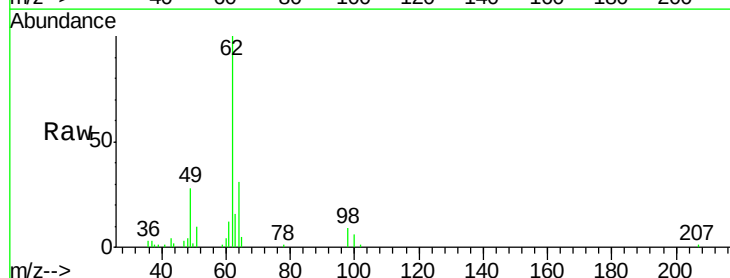
Manual Integrations
APPROVED

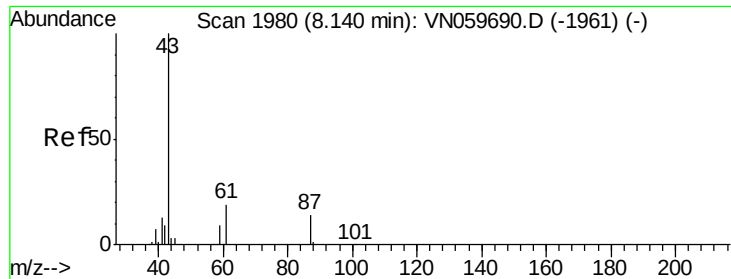
MMDadoda
1/15/2020 10:55:14 AM



#42
1,2-Dichloroethane
Concen: 20.511 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	62	Resp	50212
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





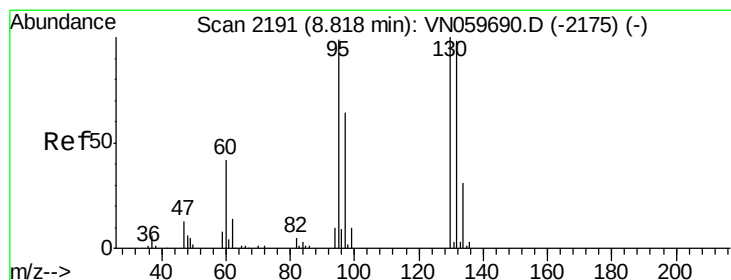
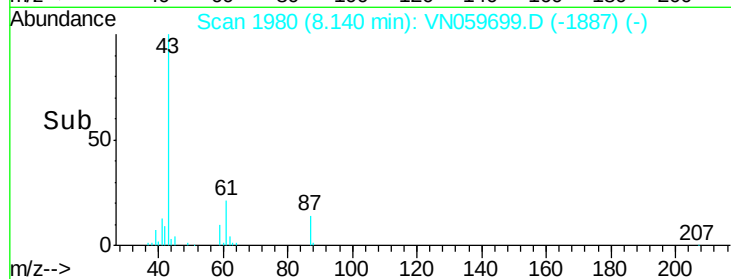
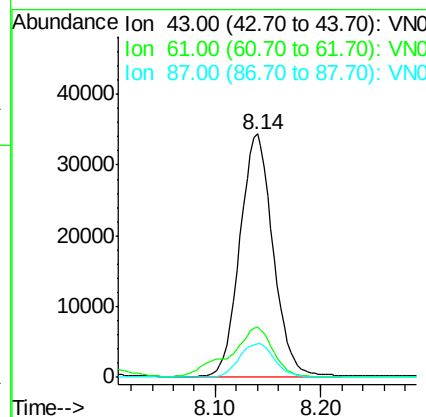
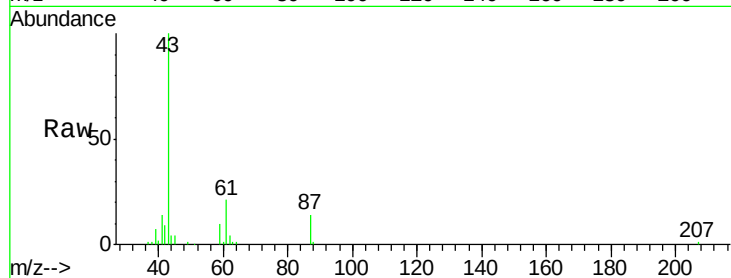
#43
Isopropyl Acetate
Concen: 19.359 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.5	9.5	14.3

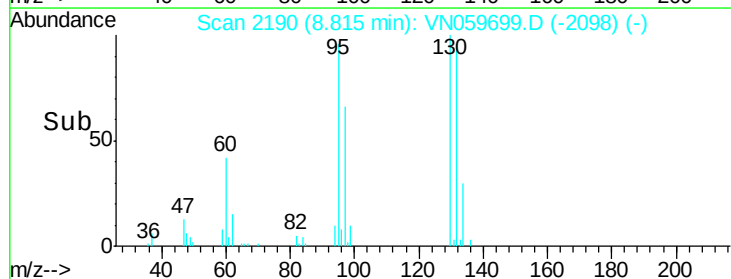
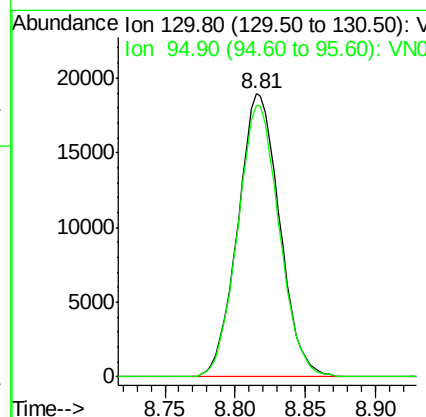
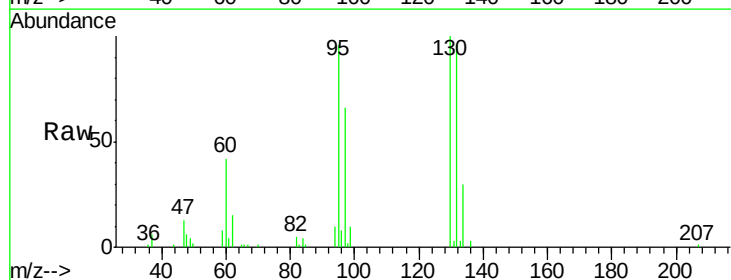
Manual Integrations
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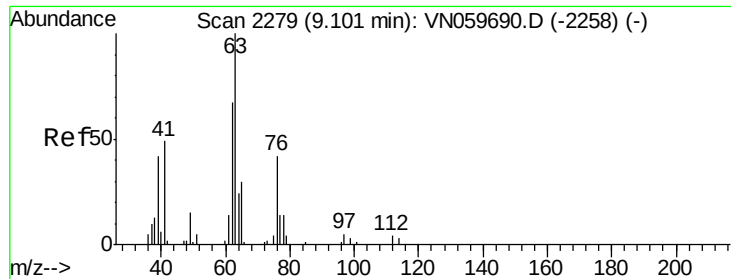
MMDadoda
1/15/2020 10:55:14 AM



#44
Trichloroethene
Concen: 19.895 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.210 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 63 Resp: 36109

Ion Ratio Lower Upper

63 100

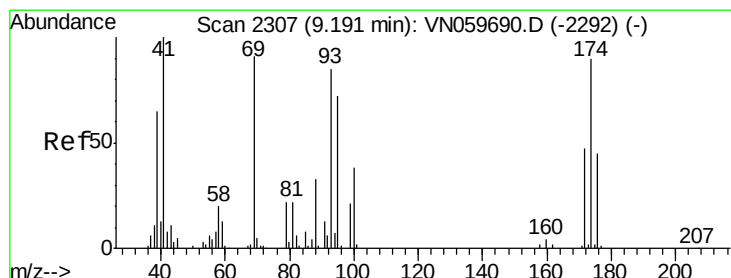
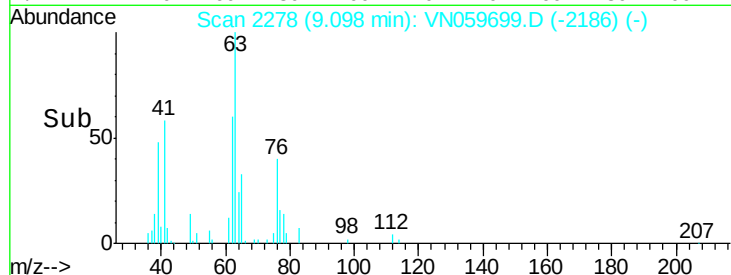
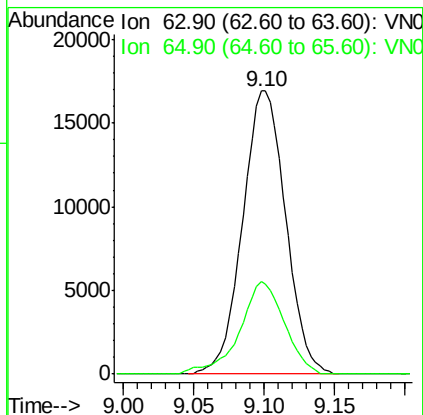
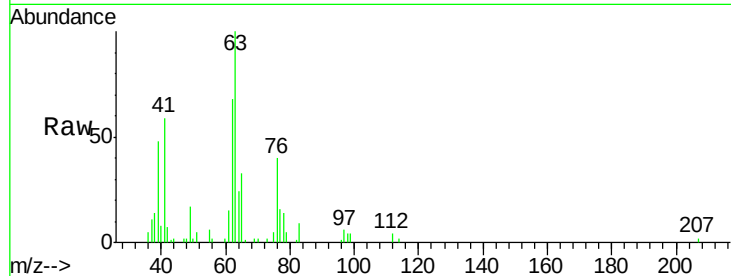
65 32.5 24.9 37.3

Manual Integrations

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MMDadoda

1/15/2020 10:55:14 AM



#46

Dibromomethane

Concen: 20.232 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

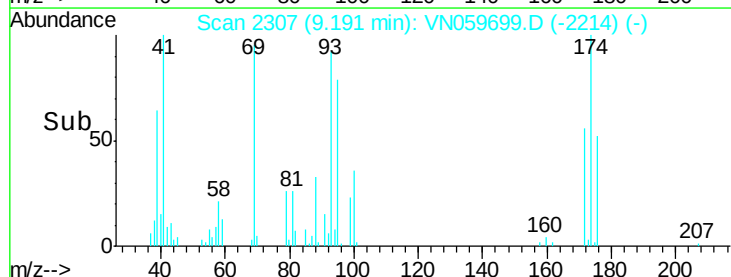
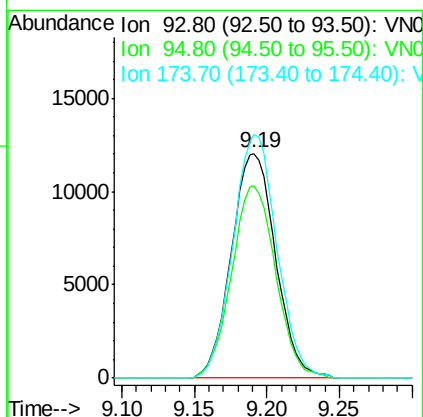
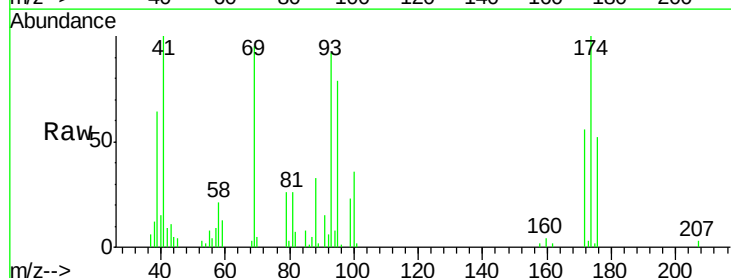
Tgt Ion: 93 Resp: 25499

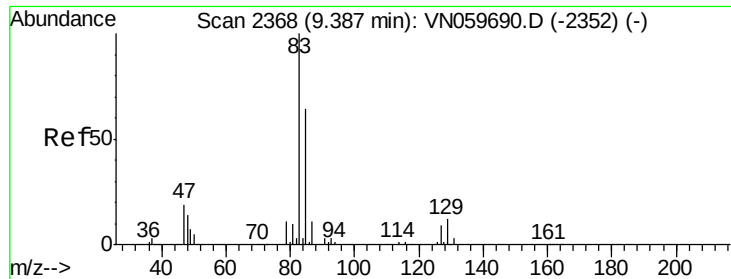
Ion Ratio Lower Upper

93 100

95 85.2 67.0 100.6

174 107.7 73.4 110.2





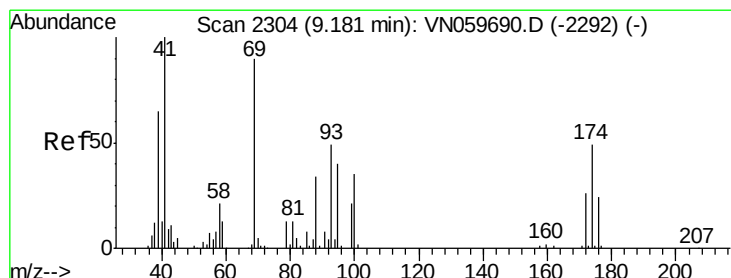
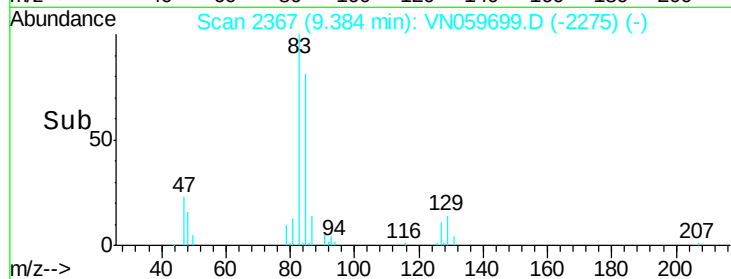
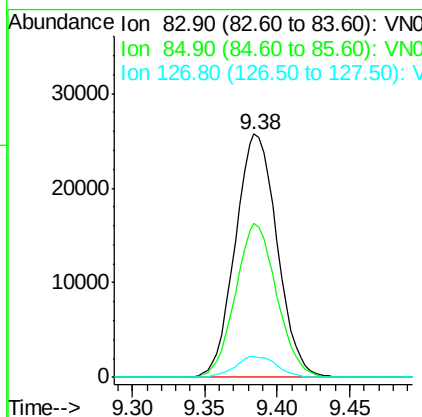
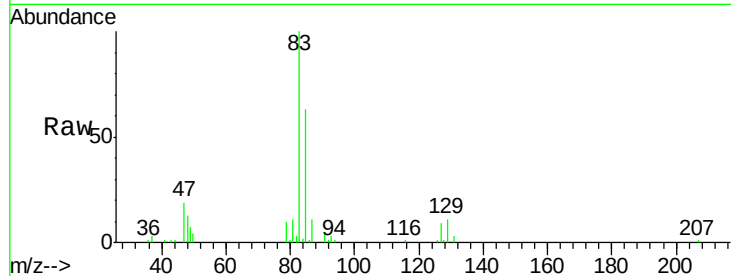
#47
Bromodichloromethane
Concen: 20.286 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.8	6.6	9.8

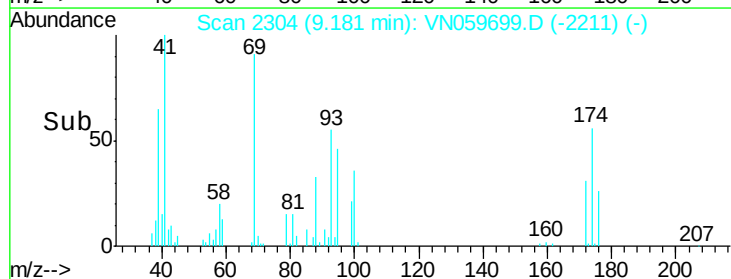
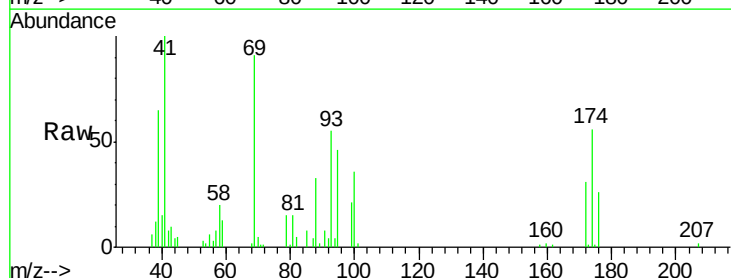
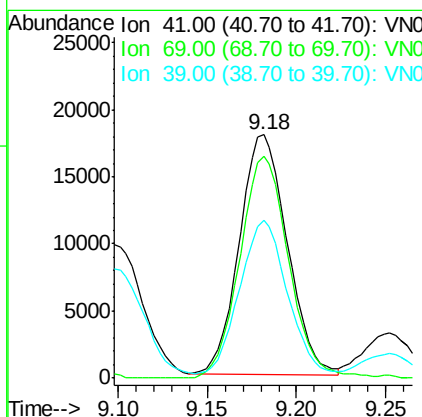
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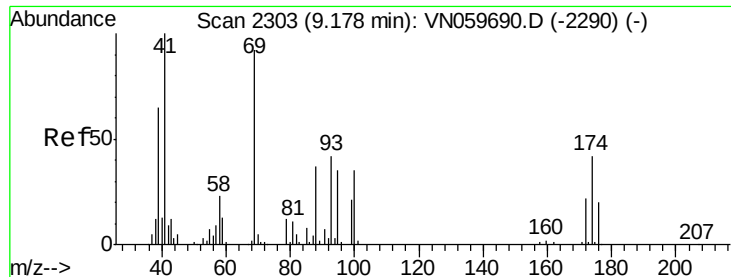
MMDadoda
1/15/2020 10:55:14 AM



#48
Methyl methacrylate
Concen: 19.113 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.8	64.4	96.6
39	63.9	51.3	76.9





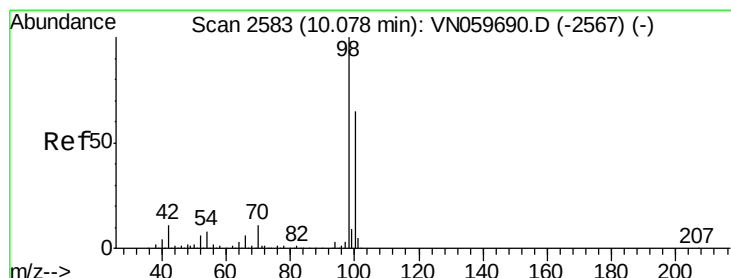
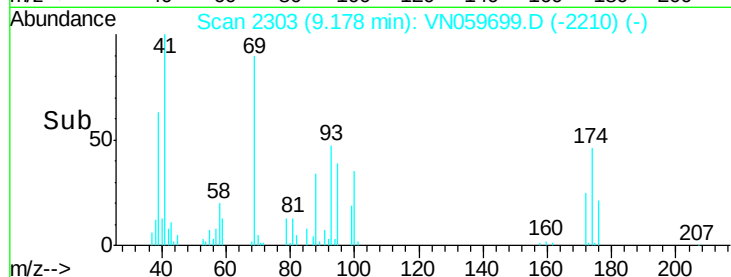
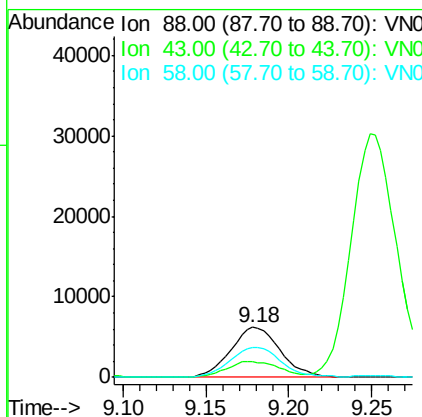
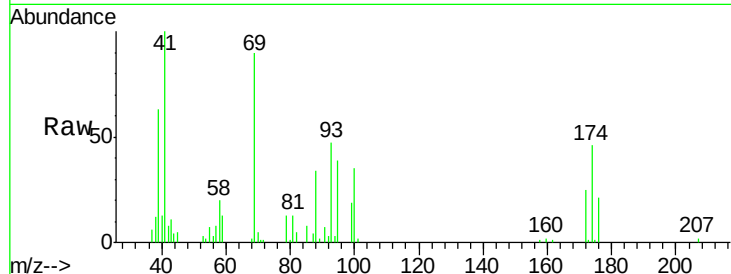
#49
1,4-Dioxane
Concen: 402.144 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	88	Resp	12861
Ion	Ratio	Lower	Upper
88	100		
43	34.2	29.7	44.5
58	61.8	56.6	85.0

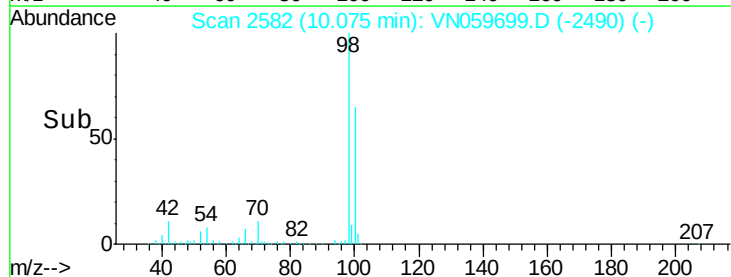
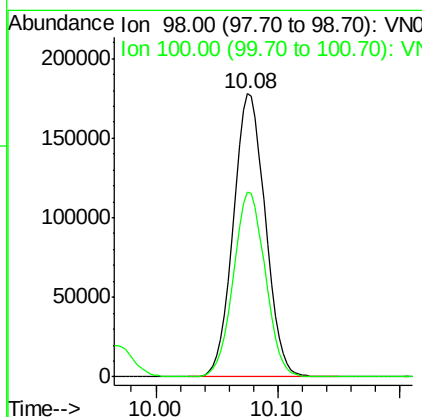
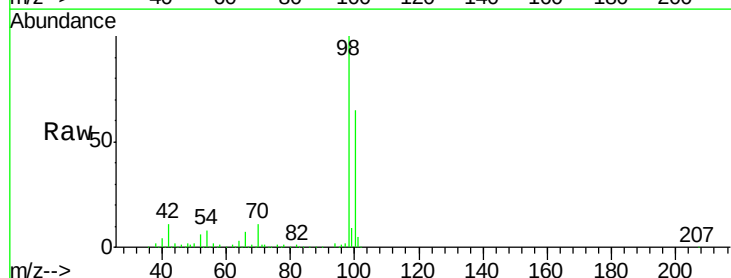
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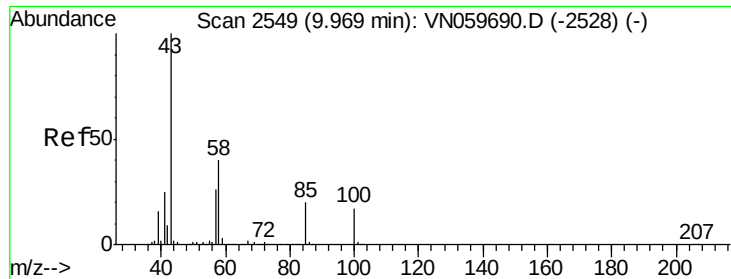
MMDadoda
1/15/2020 10:55:14 AM



#50
Toluene-d8
Concen: 50.338 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	98	Resp	323343
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.388 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 43 Resp: 215360

Ion Ratio Lower Upper

43 100

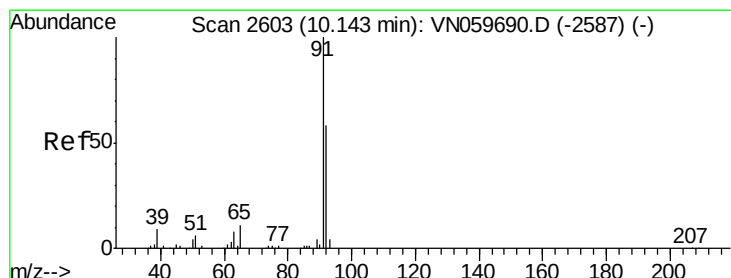
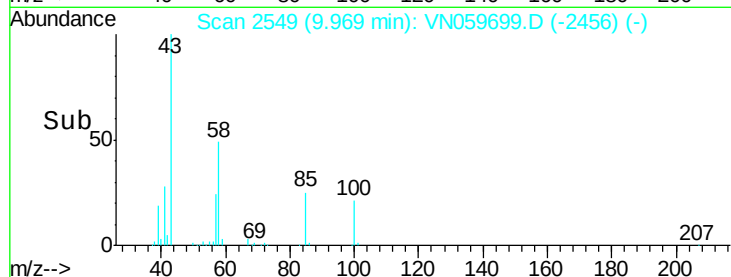
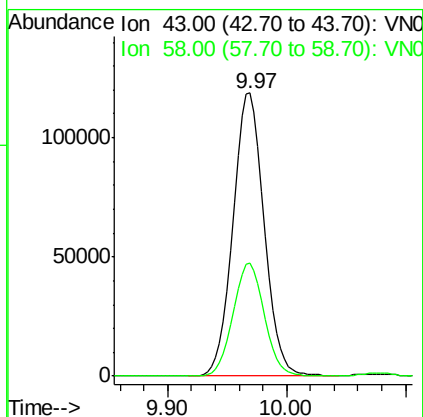
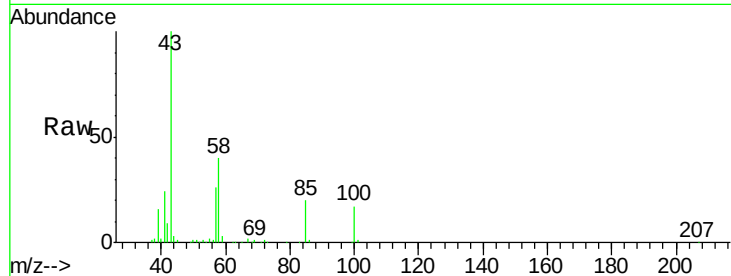
58 39.9 29.8 44.8

Manual Integrations

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MMDadoda

1/15/2020 10:55:14 AM



#52

Toluene

Concen: 19.507 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059699.D

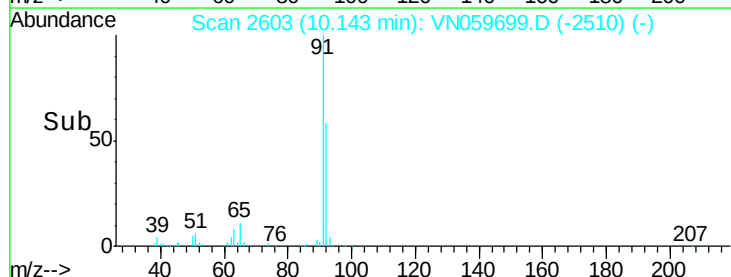
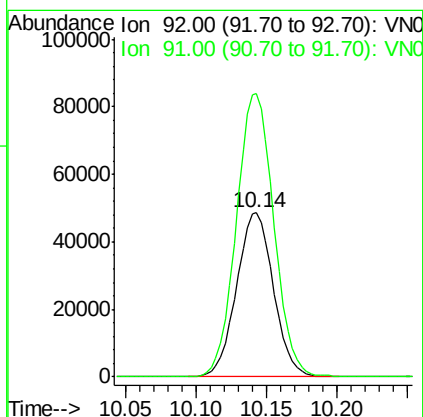
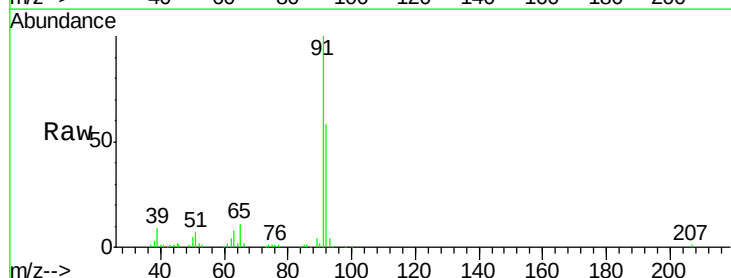
Acq: 14 Jan 2020 11:39

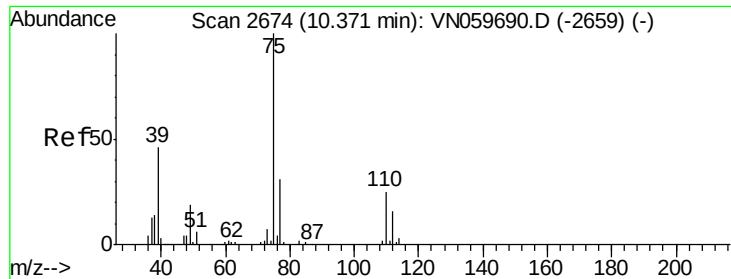
Tgt Ion: 92 Resp: 88964

Ion Ratio Lower Upper

92 100

91 175.9 140.4 210.6





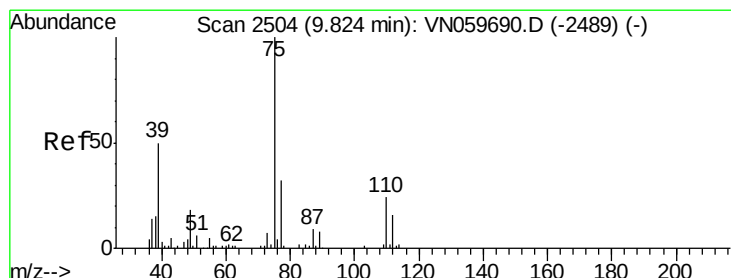
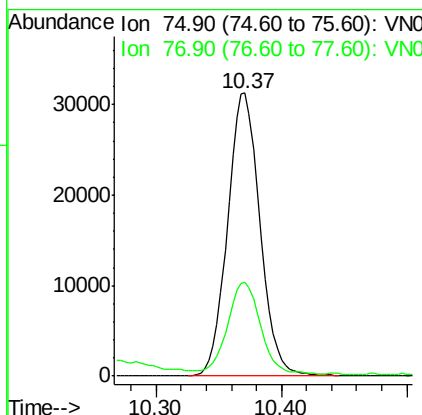
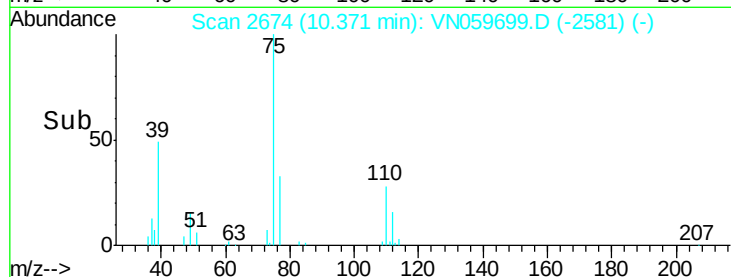
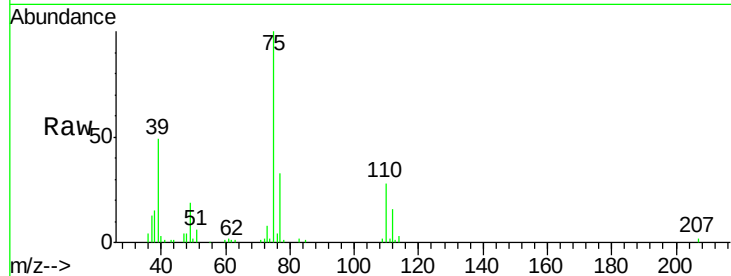
#53
t-1,3-Dichloropropene
Concen: 19.850 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion: 75 Resp: 56291
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

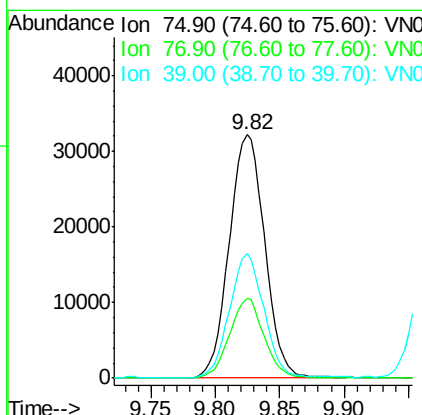
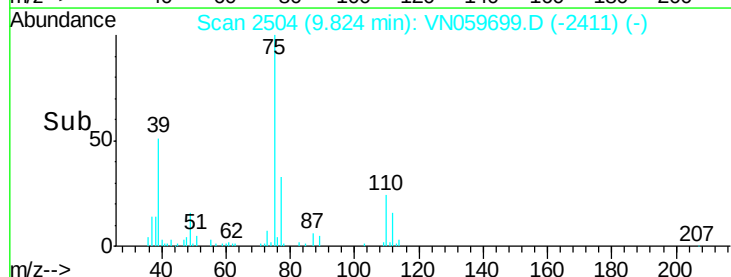
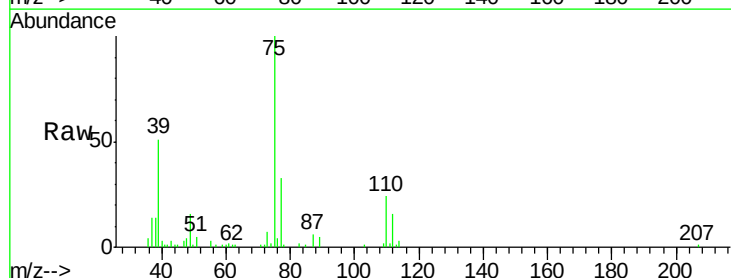
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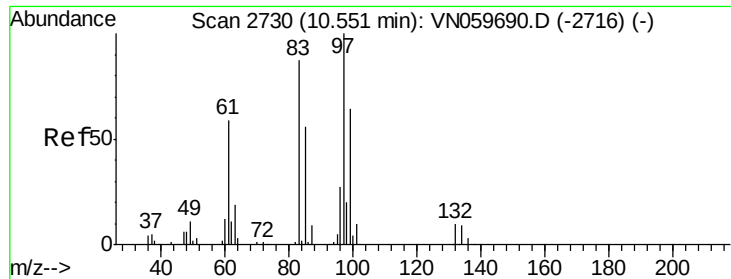
MMDadoda
1/15/2020 10:55:14 AM



#54
cis-1,3-Dichloropropene
Concen: 20.661 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 75 Resp: 61650
Ion Ratio Lower Upper
75 100
77 32.8 25.1 37.7
39 51.0 46.1 69.1





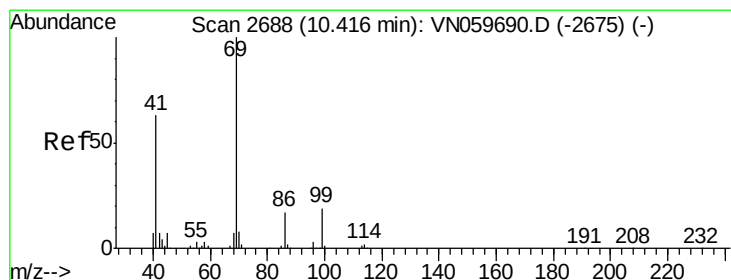
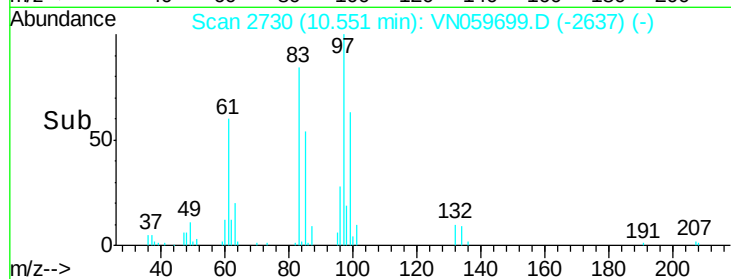
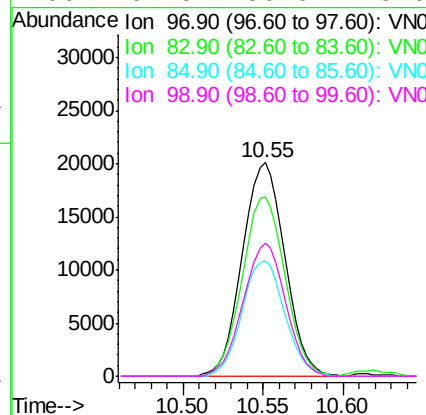
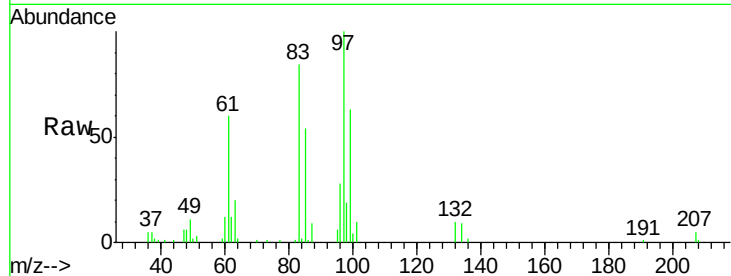
#55
 1,1,2-Trichloroethane
 Concen: 20.204 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	71.3	106.9
85	54.1	45.8	68.8
99	62.5	50.0	75.0

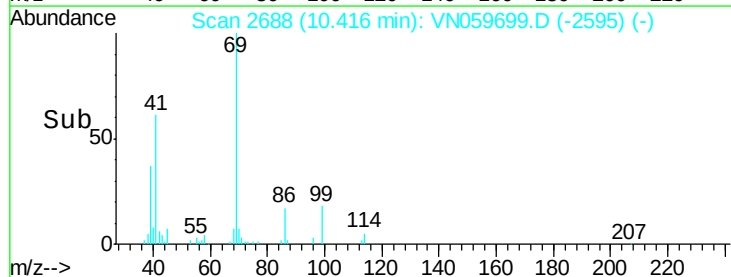
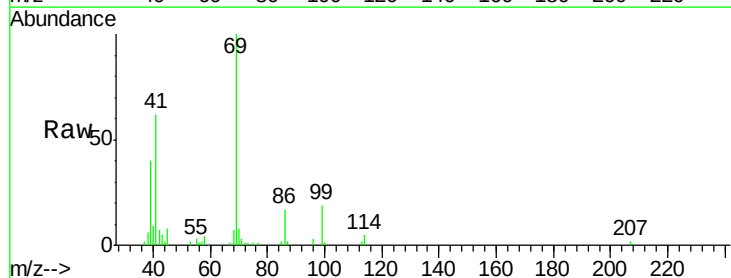
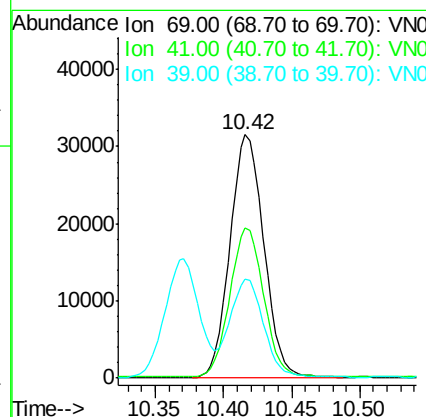
Manual Integrations
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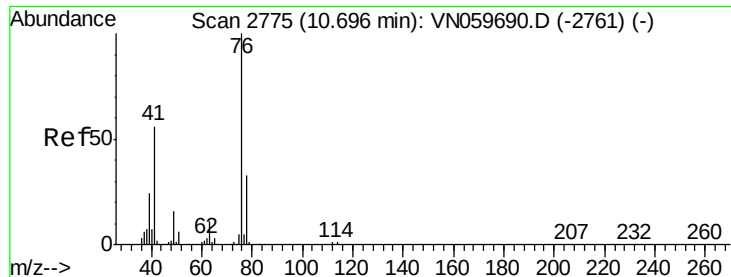
MMDadoda
 1/15/2020 10:55:14 AM



#56
 Ethyl methacrylate
 Concen: 19.817 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	57.1	85.7
39	40.0	34.7	52.1





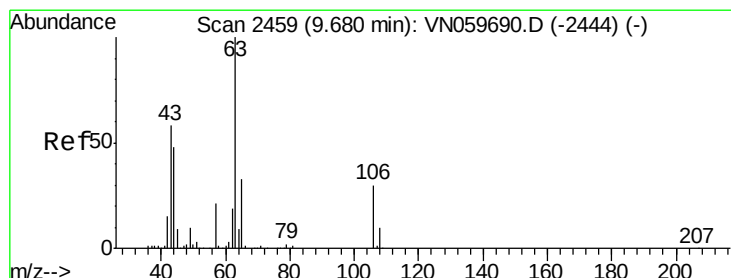
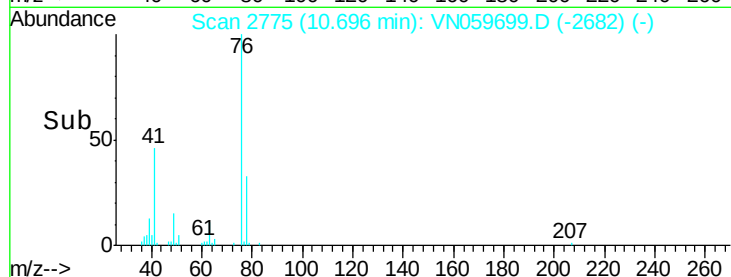
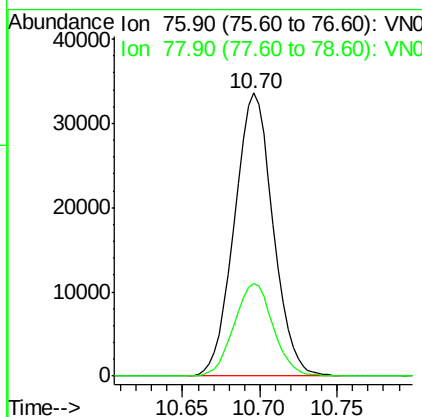
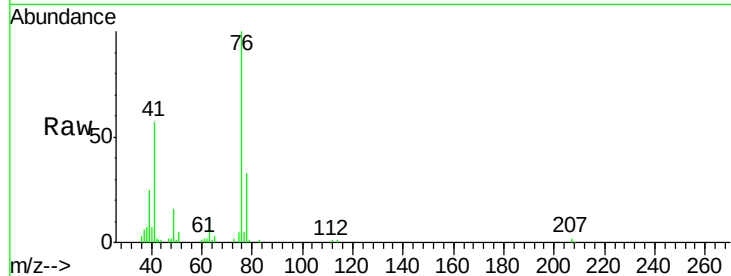
#57
 1,3-Dichloropropane
 Concen: 20.345 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

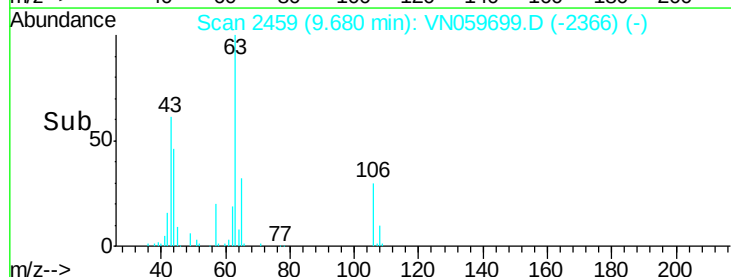
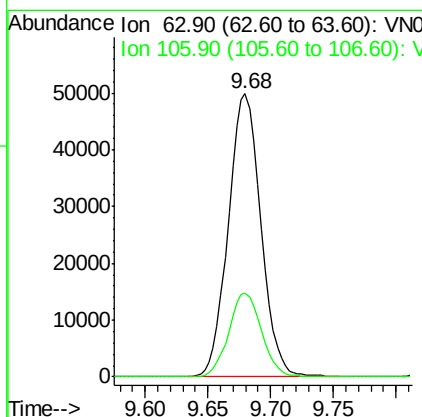
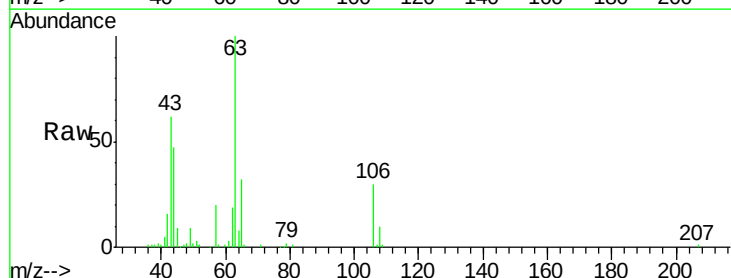
Manual Integrations
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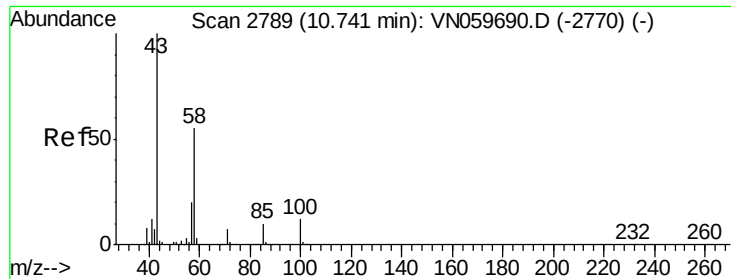
MMDadoda
 1/15/2020 10:55:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.175 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	20.2	30.2





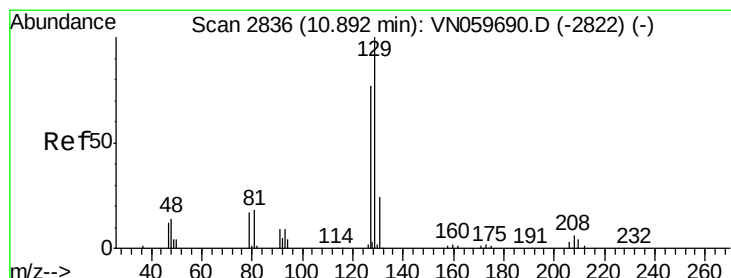
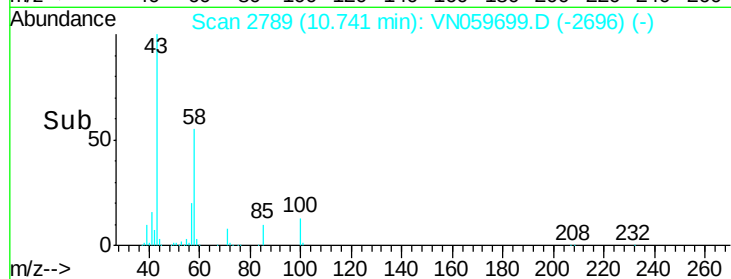
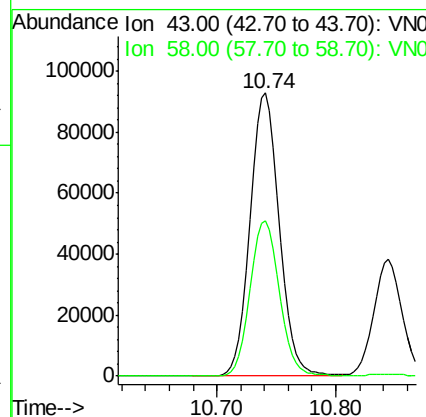
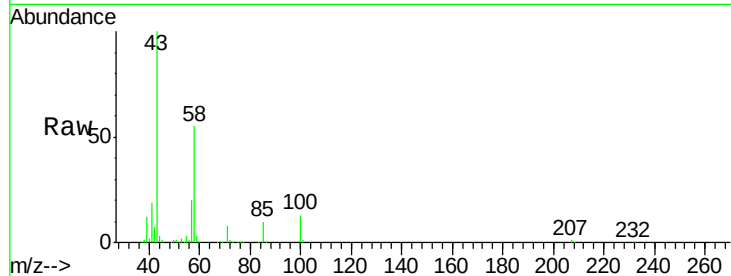
#59
2-Hexanone
Concen: 95.206 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion: 43 Resp: 158355
Ion Ratio Lower Upper
43 100
58 55.2 25.8 77.3

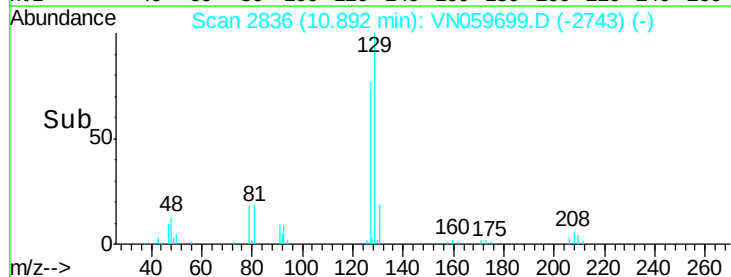
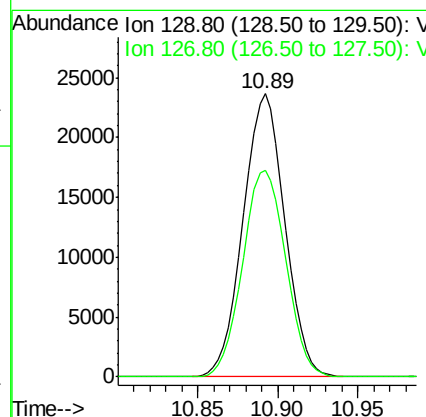
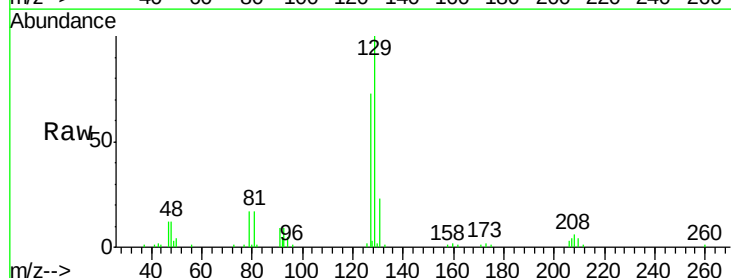
Manual Integrations
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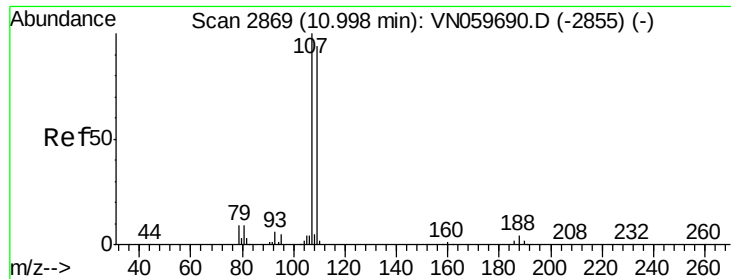
MMDadoda
1/15/2020 10:55:14 AM



#60
Dibromochloromethane
Concen: 20.445 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 129 Resp: 42054
Ion Ratio Lower Upper
129 100
127 75.4 38.5 115.5





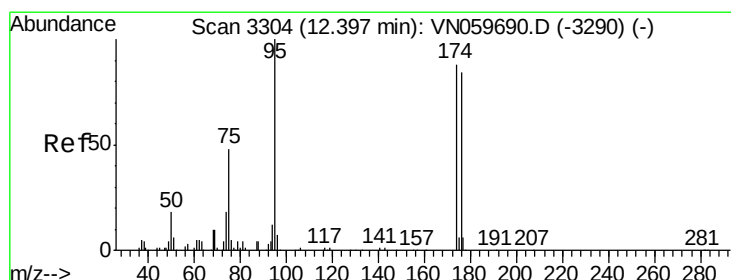
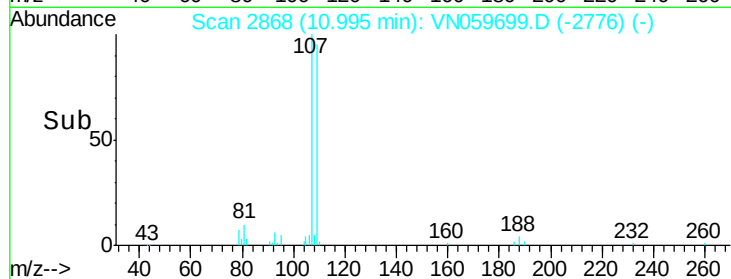
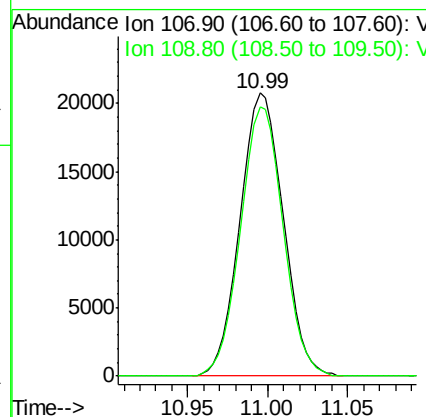
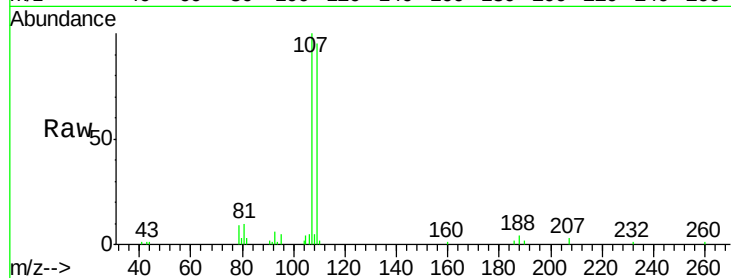
#61
1,2-Dibromoethane
Concen: 20.173 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion:107 Resp: 38192
Ion Ratio Lower Upper
107 100
109 93.9 76.6 115.0

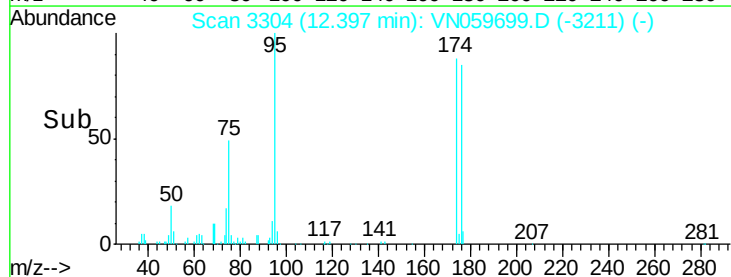
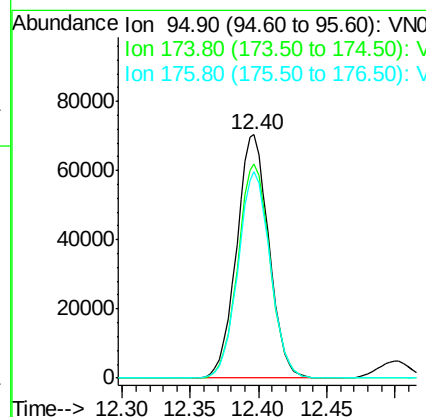
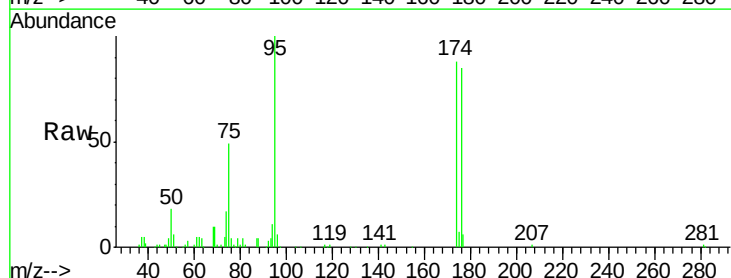
Manual Integrations
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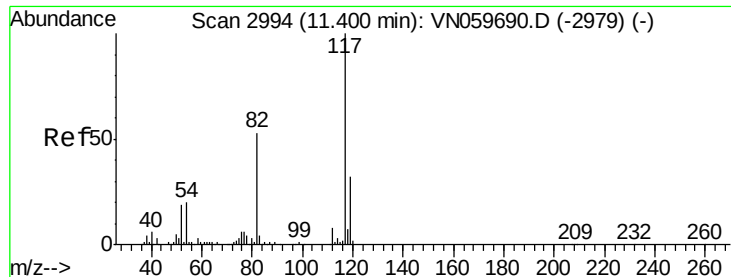
MMDadoda
1/15/2020 10:55:14 AM



#62
4-Bromofluorobenzene
Concen: 49.964 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion: 95 Resp: 115698
Ion Ratio Lower Upper
95 100
174 87.2 0.0 151.4
176 84.2 0.0 146.0





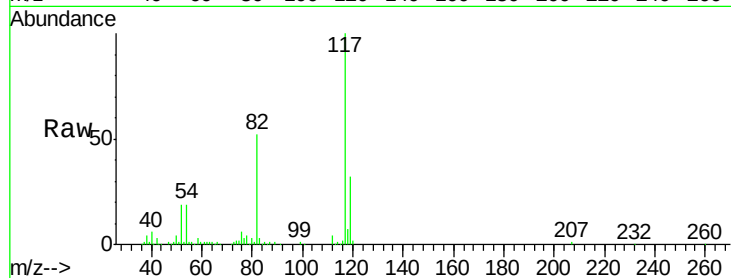
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.9	68.9
119	32.2	25.5	38.3

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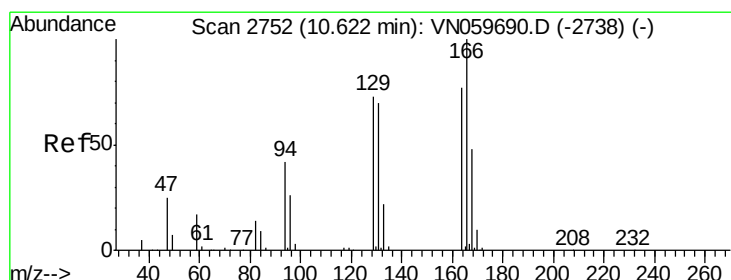
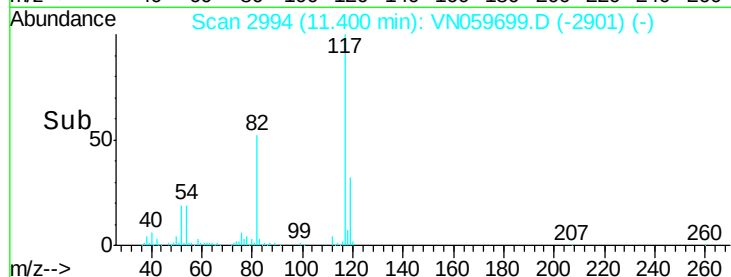
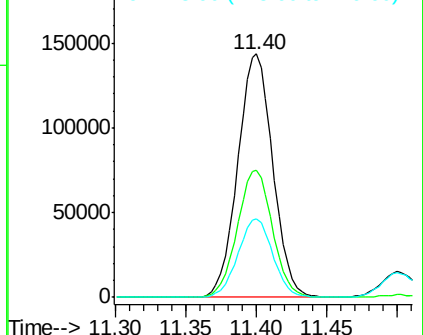


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.793 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.4	152.0
129	90.7	80.2	120.4
131	88.0	75.0	112.4

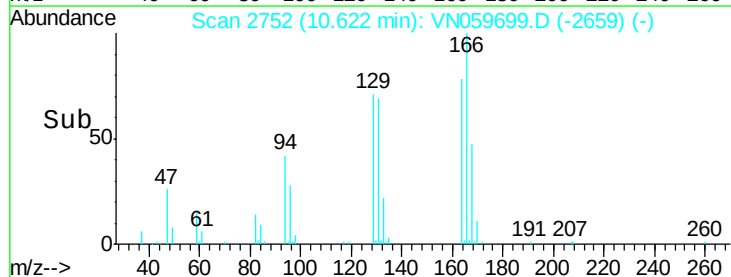
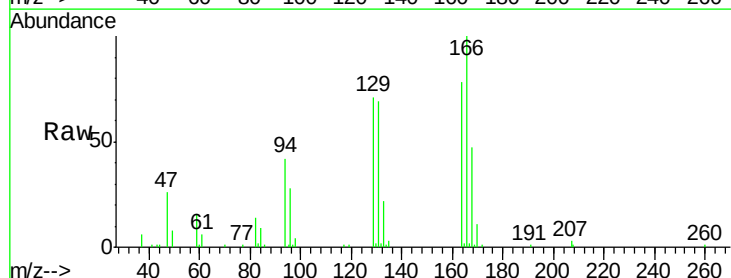
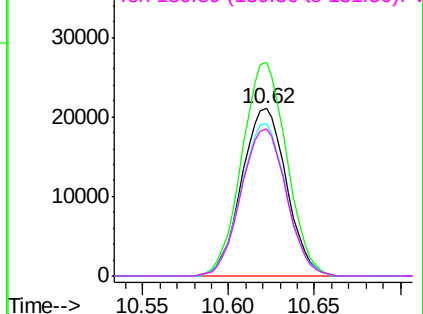
Abundance

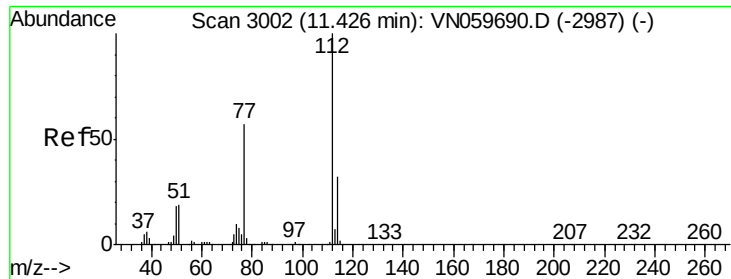
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





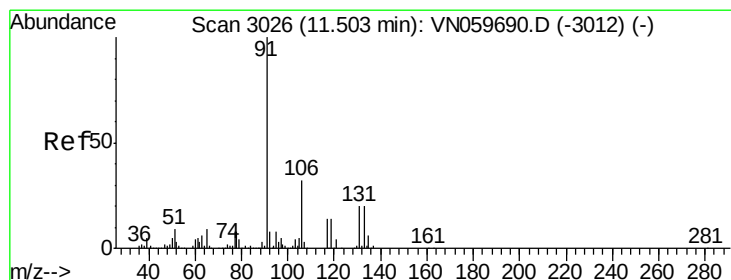
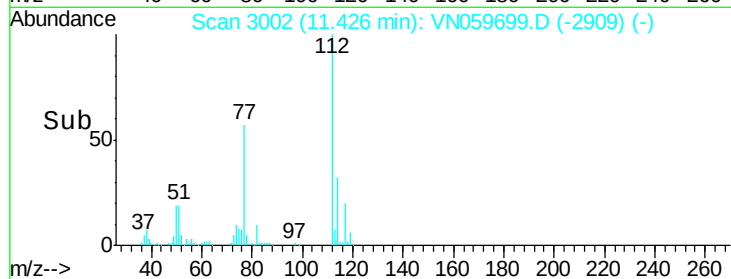
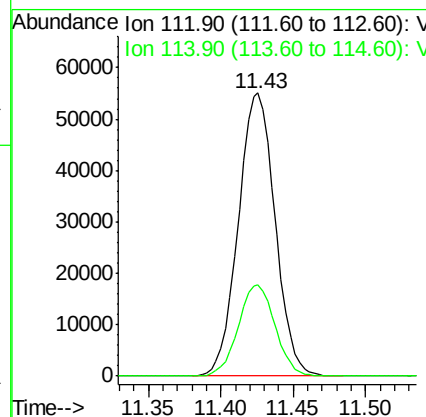
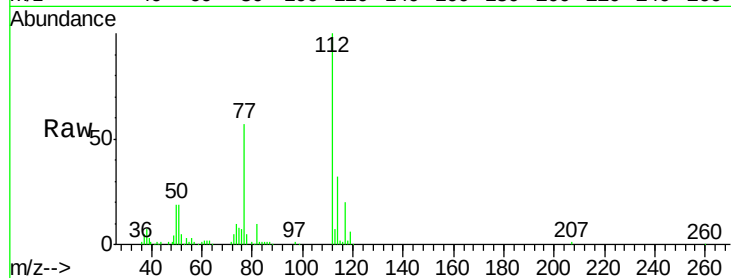
#65
Chlorobenzene
Concen: 19.756 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion:112 Resp: 96922
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

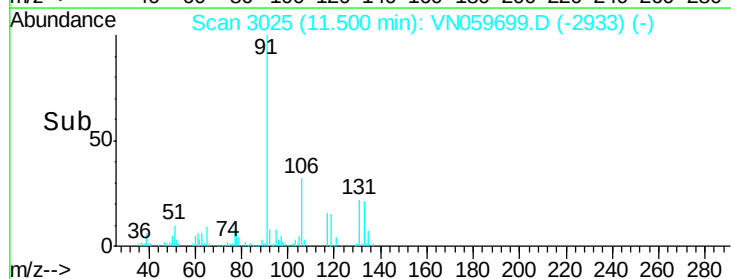
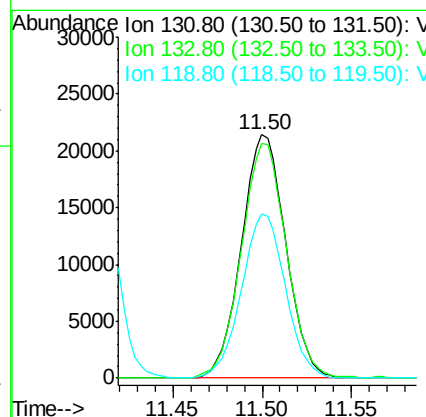
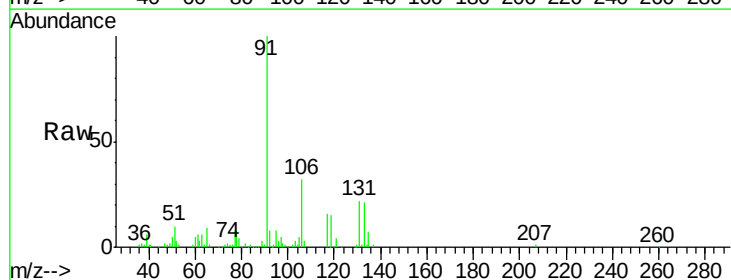
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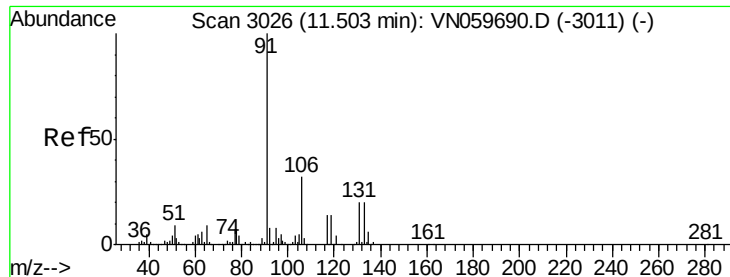
MMDadoda
1/15/2020 10:55:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.628 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion:131 Resp: 37207
Ion Ratio Lower Upper
131 100
133 98.2 47.4 142.2
119 66.7 33.1 99.3





#67

Ethyl Benzene

Concen: 19.187 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 91 Resp: 170875

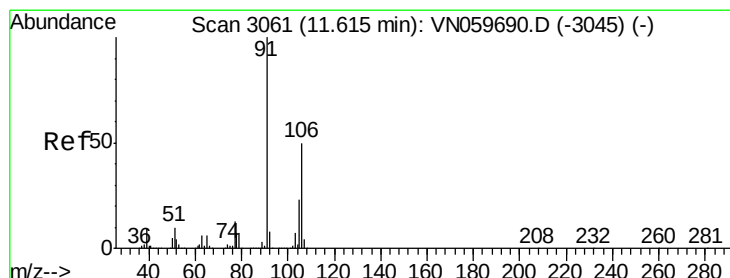
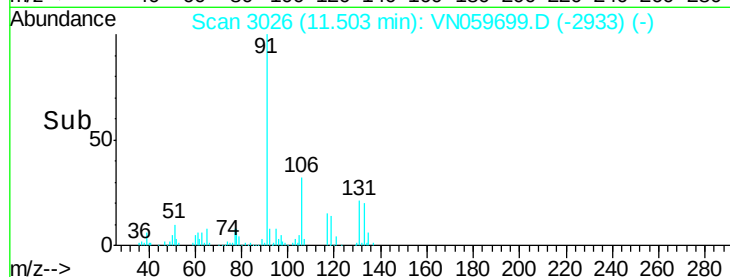
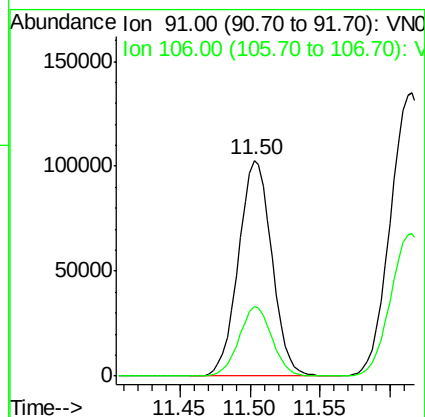
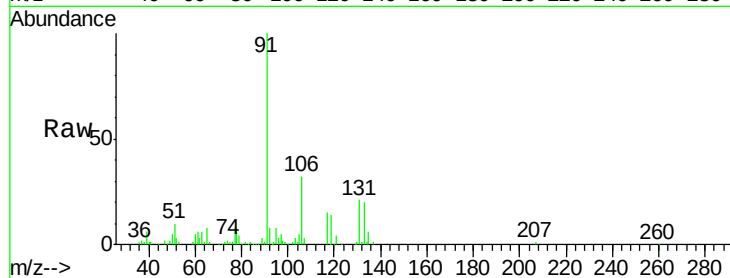
Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1

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#68

m/p-Xylenes

Concen: 39.066 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059699.D

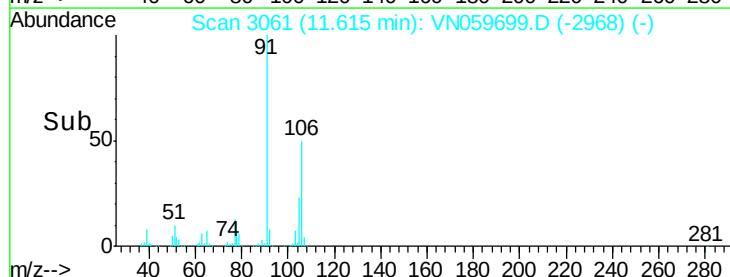
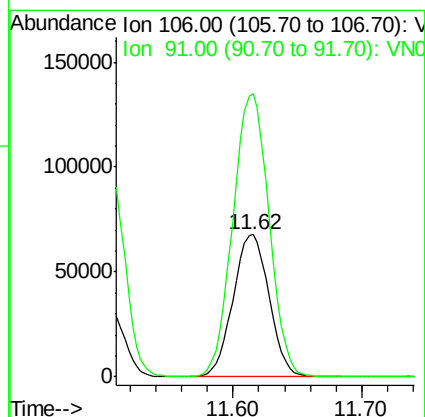
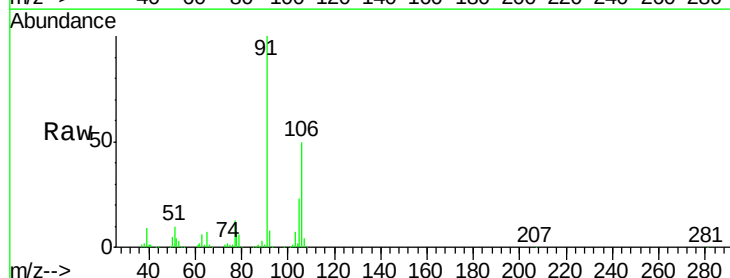
Acq: 14 Jan 2020 11:39

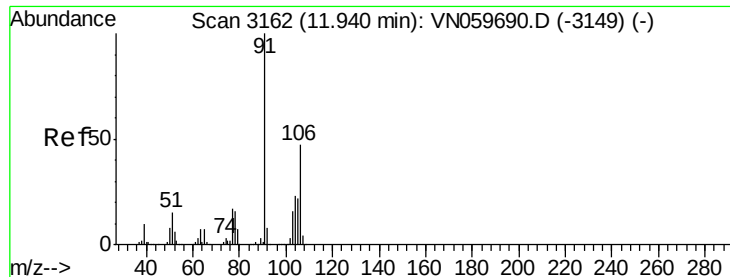
Tgt Ion: 106 Resp: 131419

Ion Ratio Lower Upper

106 100

91 199.4 167.9 251.9





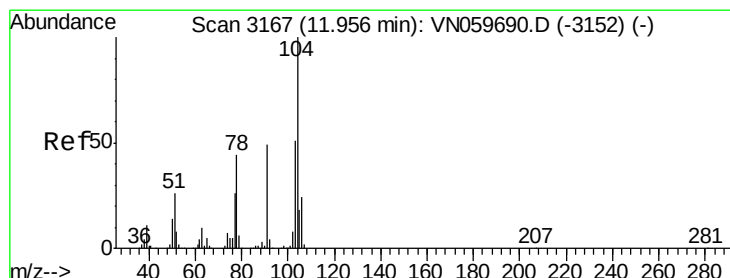
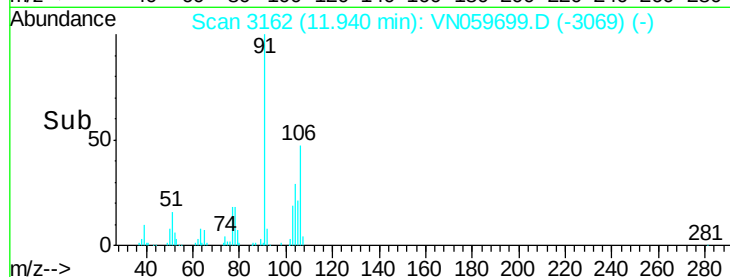
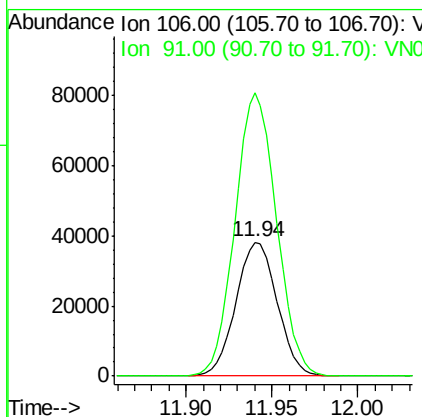
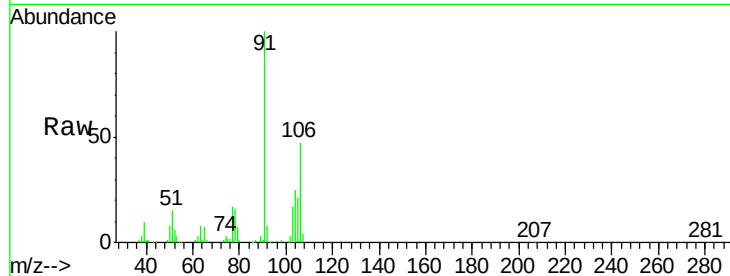
#69
o-Xylene
Concen: 19.306 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion:106 Resp: 63584
Ion Ratio Lower Upper
106 100
91 212.4 110.3 330.9

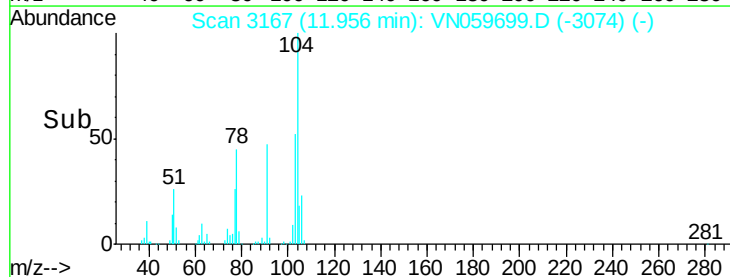
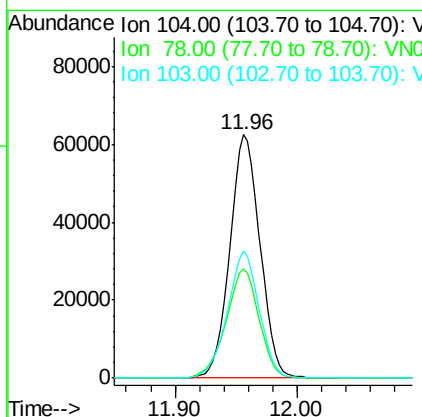
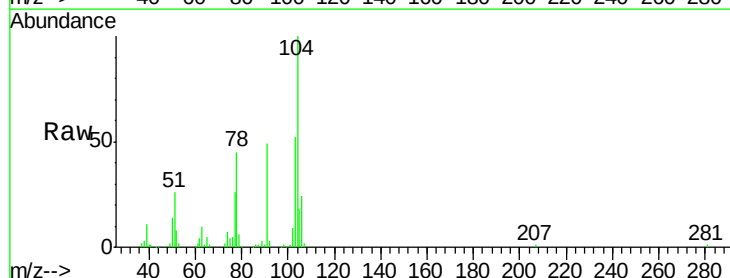
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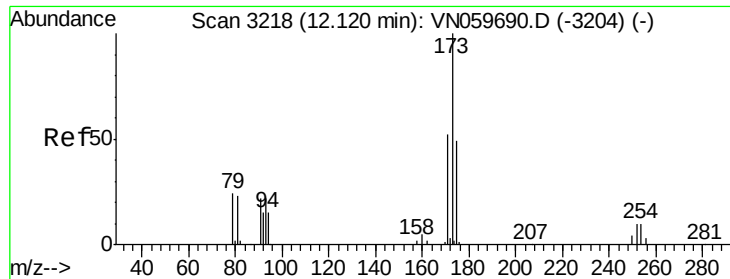
MMDadoda
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#70
Styrene
Concen: 19.520 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion:104 Resp: 107577
Ion Ratio Lower Upper
104 100
78 49.0 42.4 63.6
103 54.6 43.9 65.9





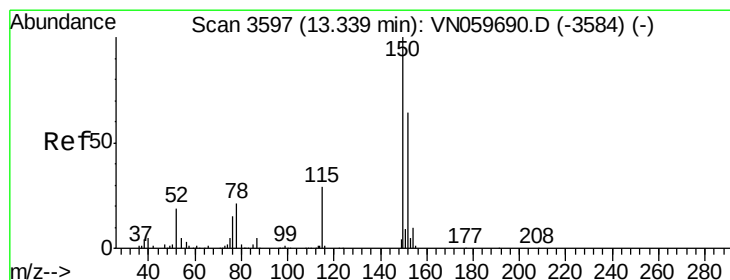
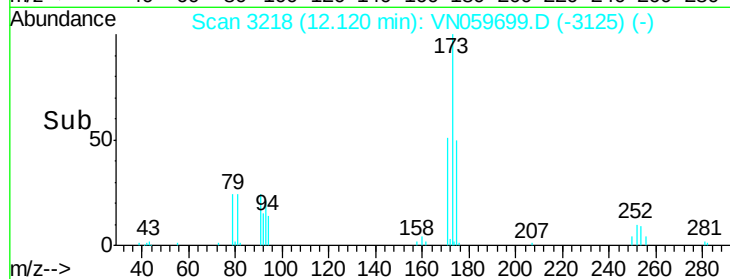
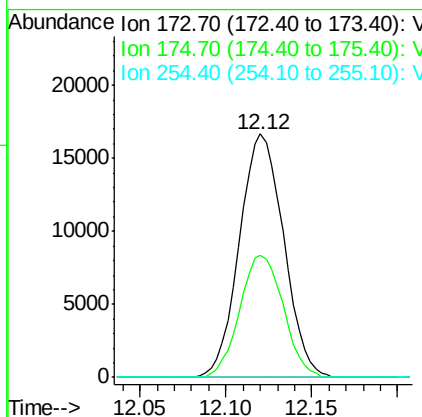
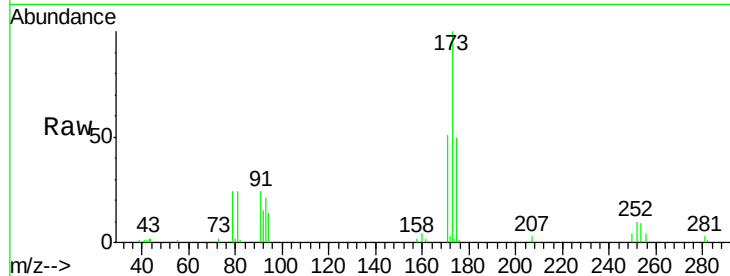
#71
Bromoform
Concen: 19.661 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.8	71.4
254	0.0	0.0	0.0

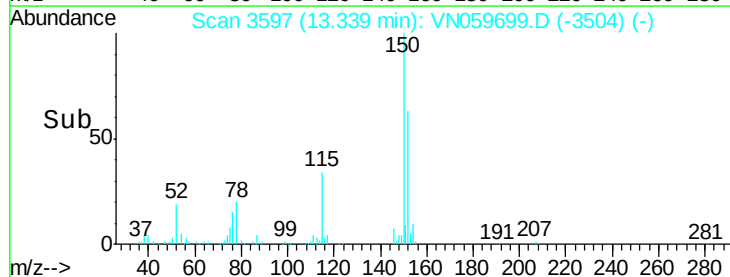
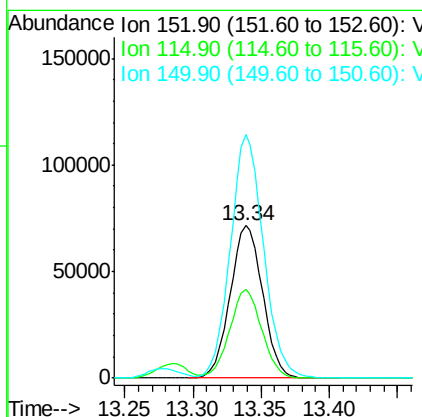
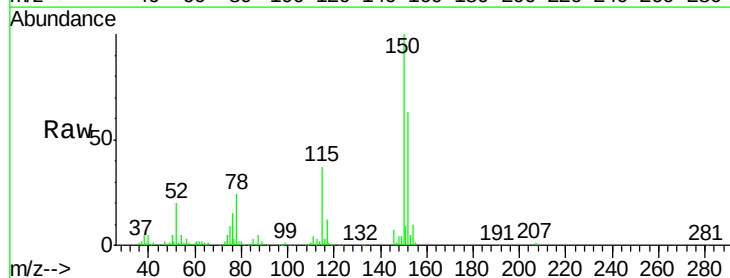
Manual Integrations
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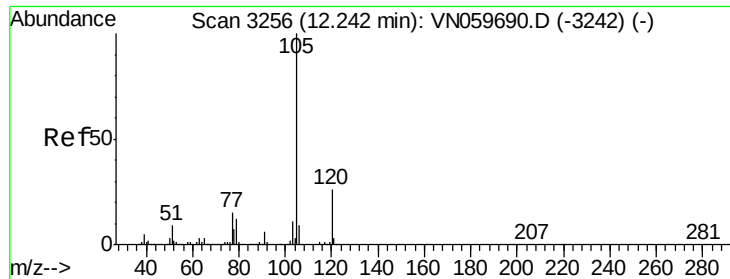
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.3	90.9
150	162.8	0.0	345.2





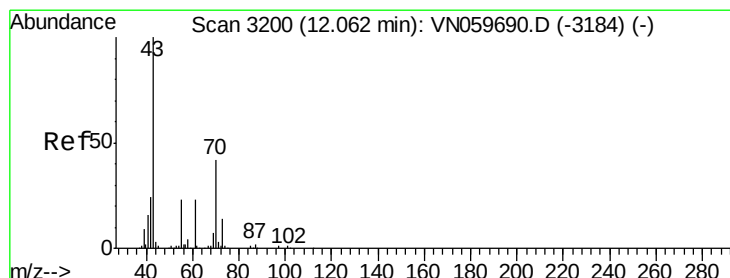
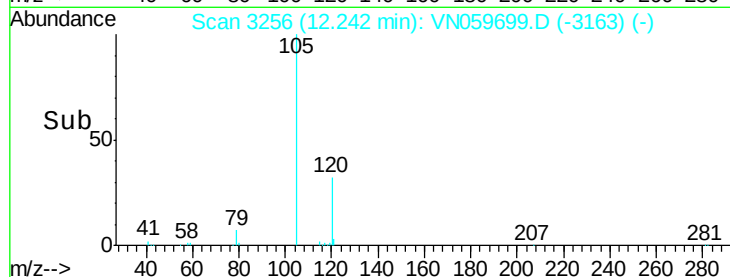
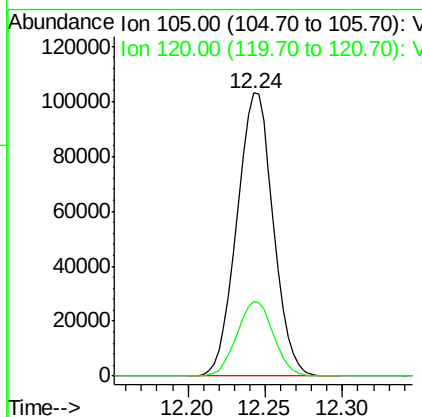
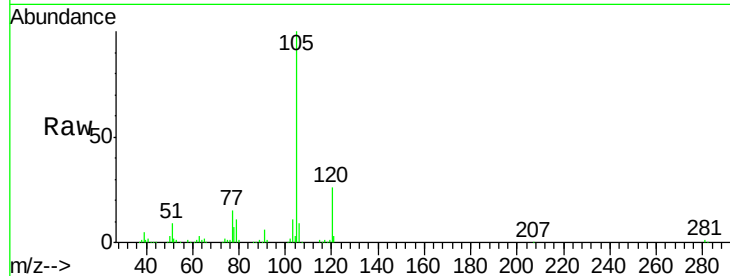
#73
Isopropylbenzene
Concen: 19.407 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.5

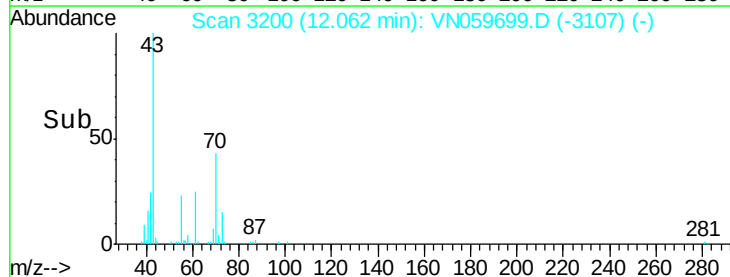
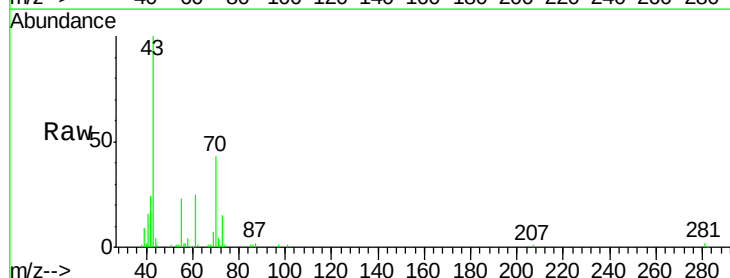
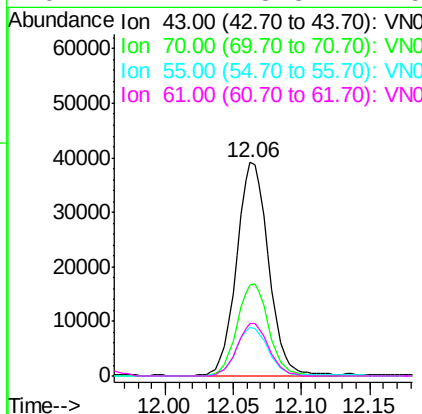
Manual Integrations
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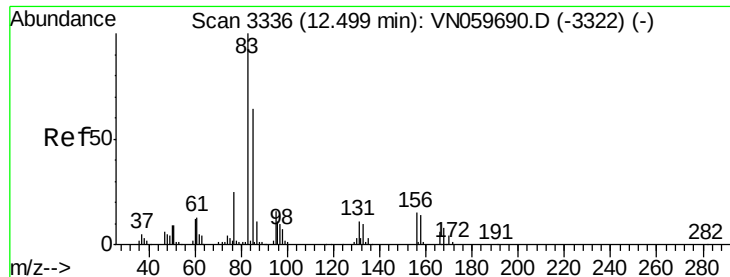
MMDadoda
1/15/2020 10:55:14 AM



#74
N-ethyl acetate
Concen: 18.987 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	31.3	46.9
55	22.9	19.8	29.6
61	24.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.236 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

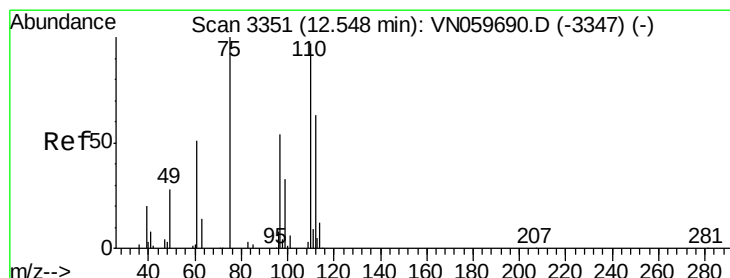
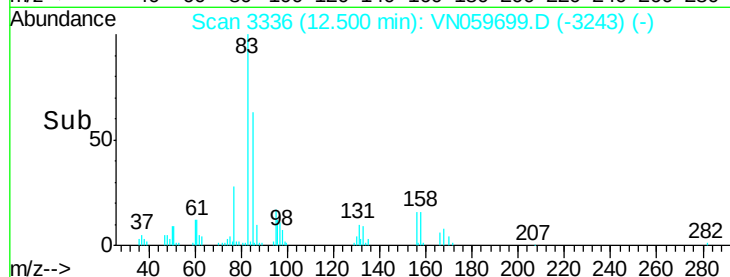
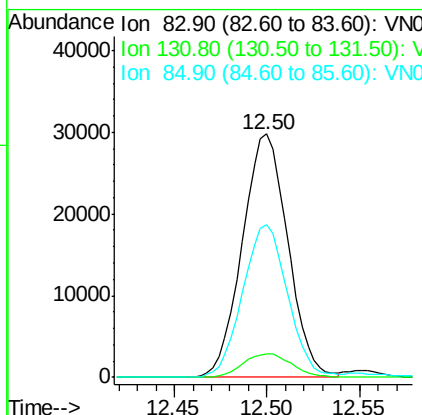
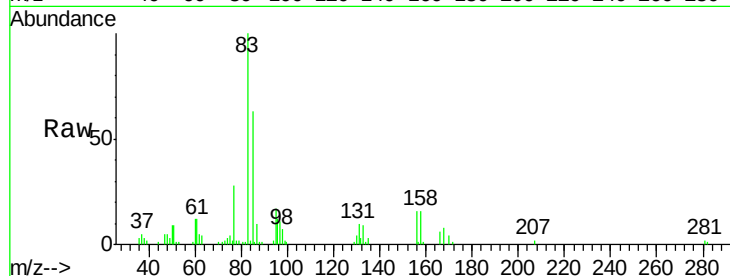
ClientSampleId :

VN0114WBSD01

Tot Ion:	83	Resp:	50879
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	14.9
85	61.9	31.9	95.5

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1/15/2020 10:55:14 AM



#76

1,2,3-Trichloropropane

Concen: 24.074 ug/l m

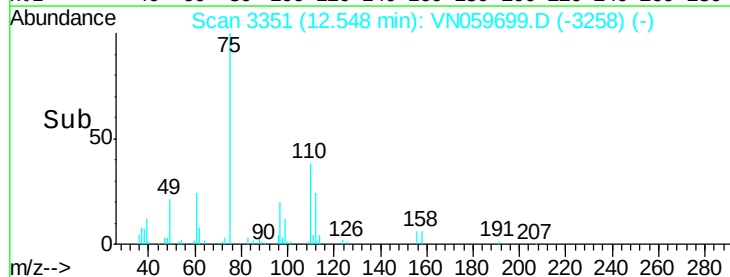
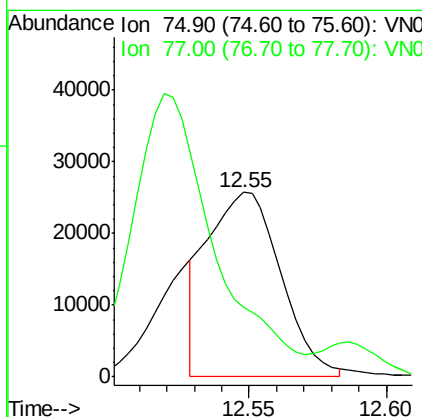
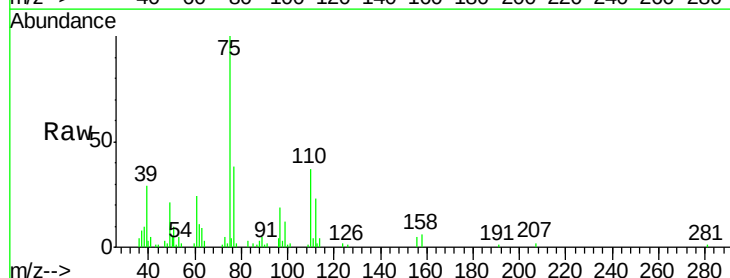
RT: 12.55 min Scan# 3351

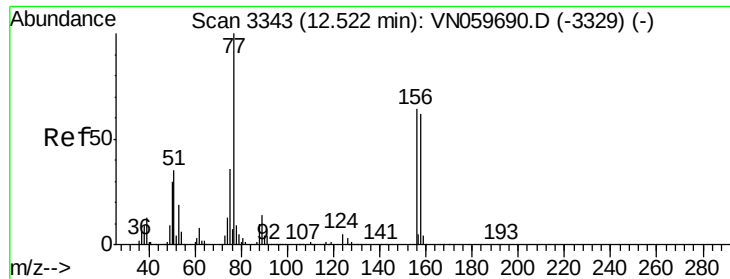
Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	75	Resp:	47910
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.684 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

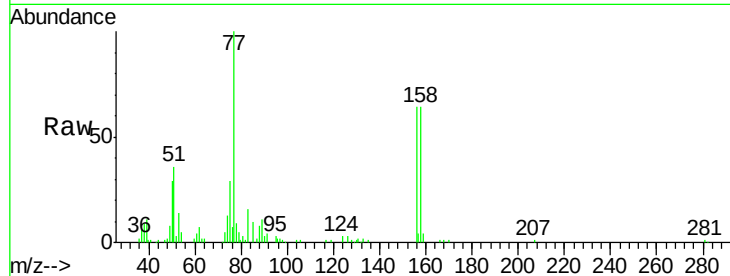
ClientSampleId :

VN0114WBSD01

Tot Ion:	156	Resp:	43231
Ion Ratio	Lower	Upper	
156	100		
77	190.6	115.8	347.4
158	100.4	49.2	147.6

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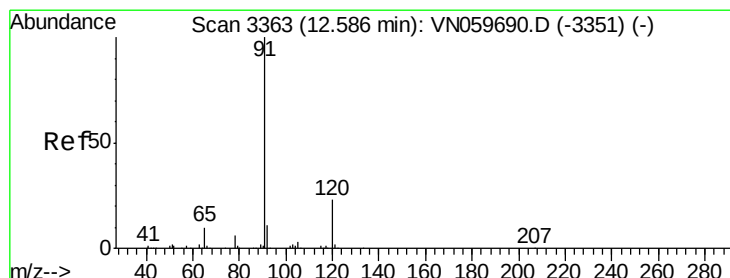
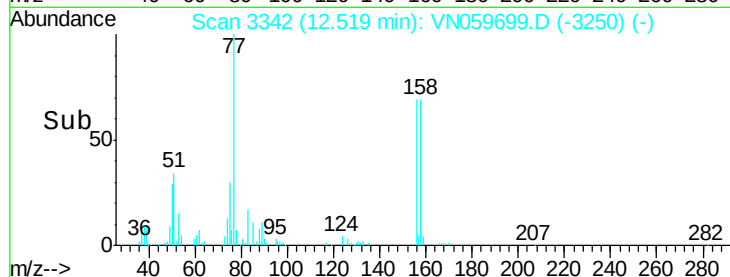
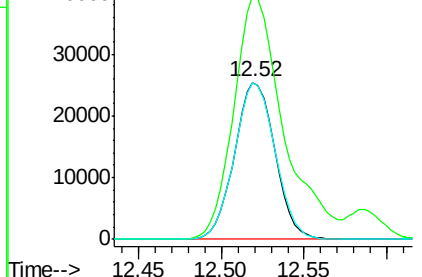
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.569 ug/l

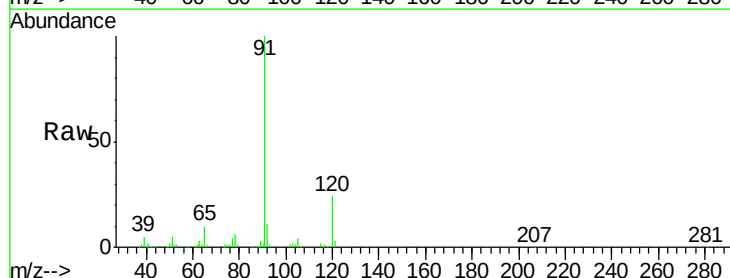
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059699.D

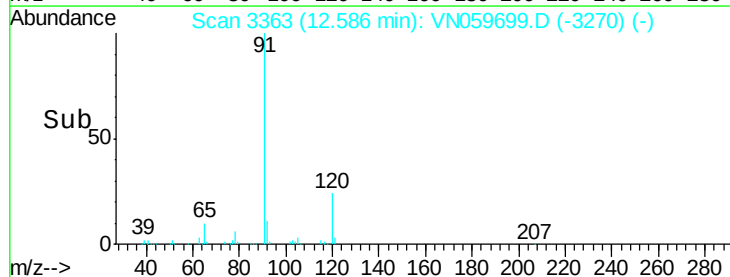
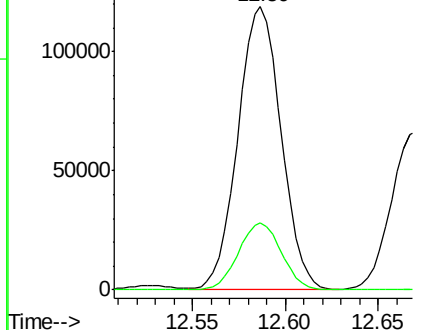
Acq: 14 Jan 2020 11:39

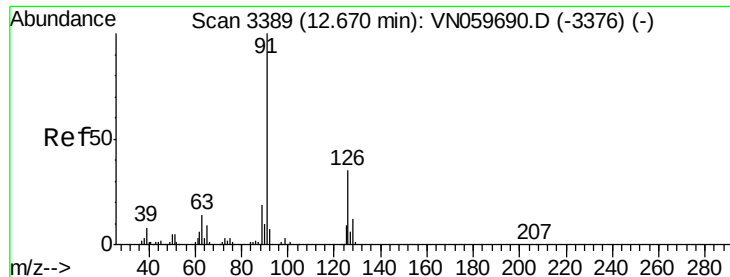
Tgt Ion:	91	Resp:	190496
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





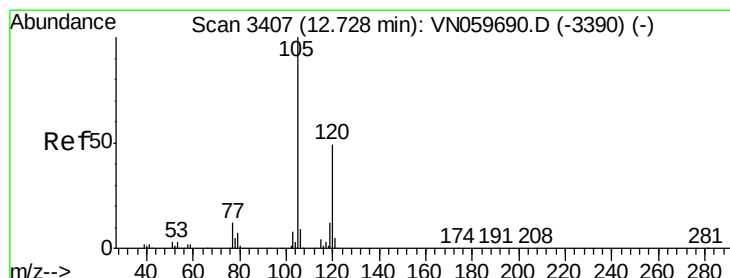
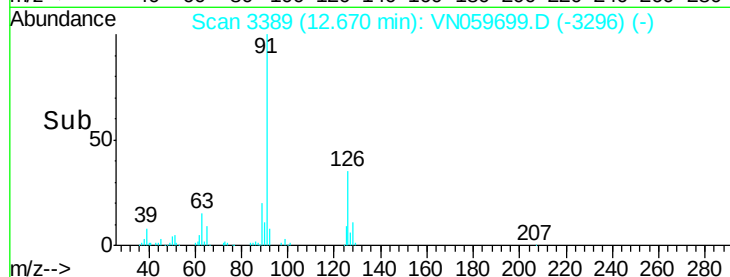
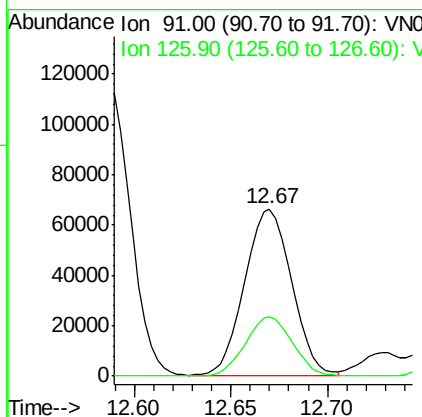
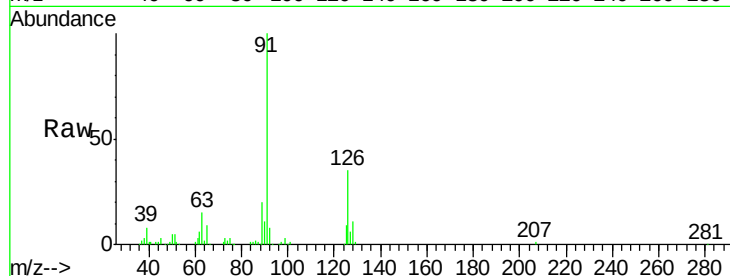
#79
 2-Chlorotoluene
 Concen: 19.356 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion: 91 Resp: 112090
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.3 48.9

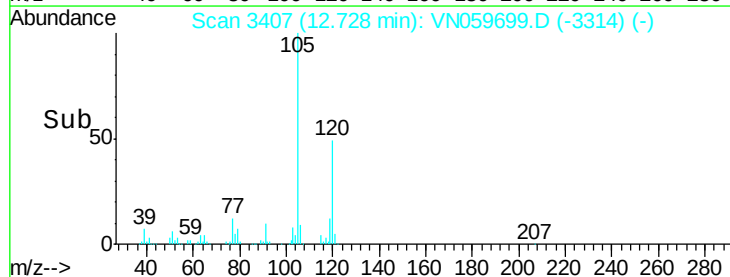
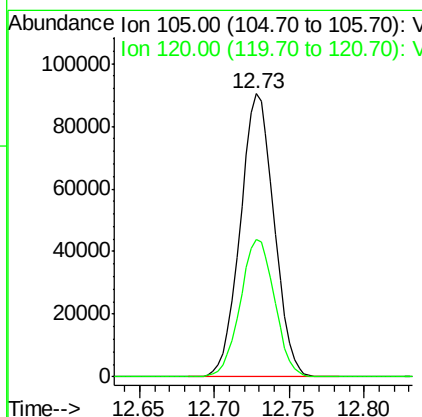
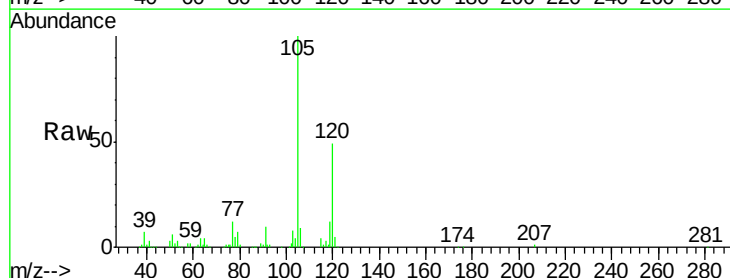
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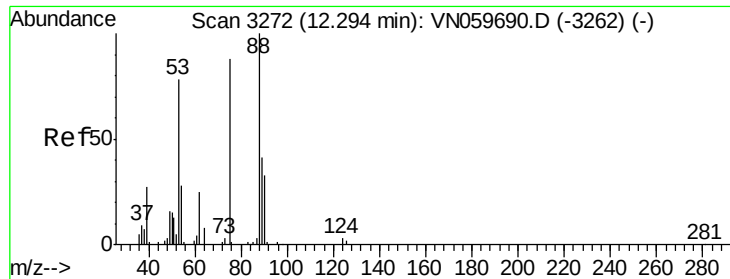
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.461 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion: 105 Resp: 141947
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.787 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 75 Resp: 17410

Ion Ratio Lower Upper

75 100

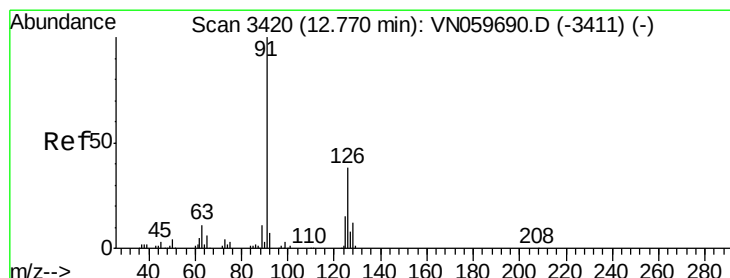
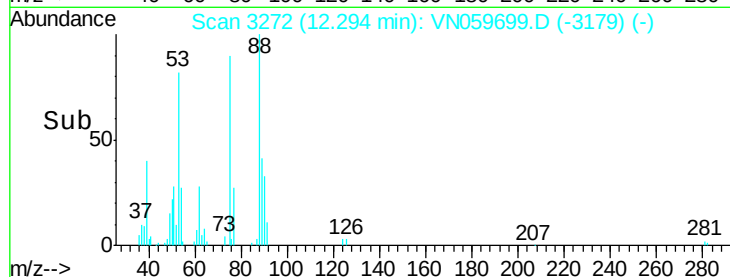
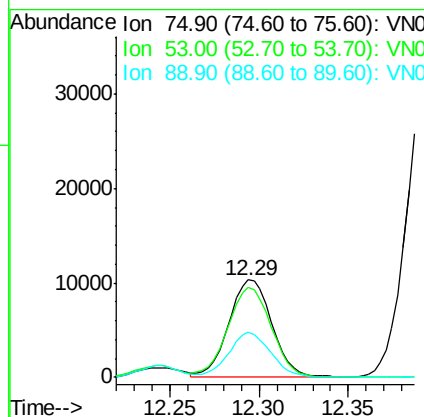
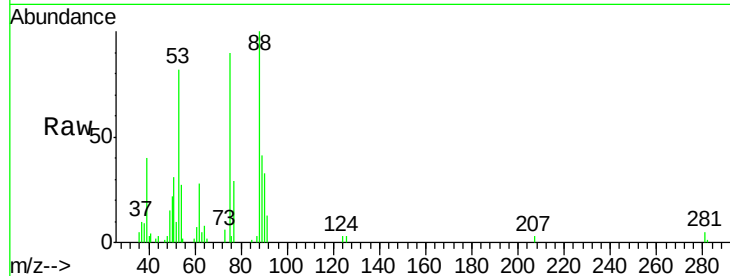
53 92.5 78.1 117.1

89 44.7 35.4 53.2

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#82

4-Chlorotoluene

Concen: 19.892 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059699.D

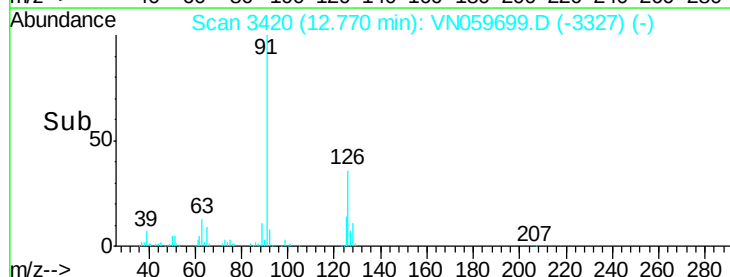
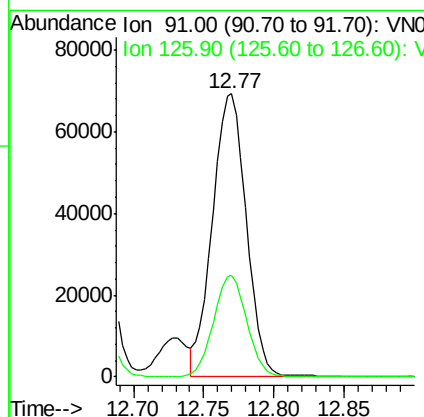
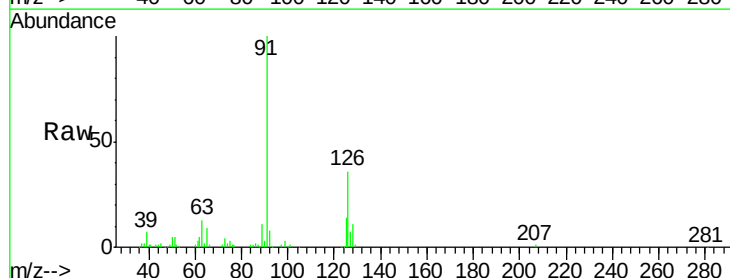
Acq: 14 Jan 2020 11:39

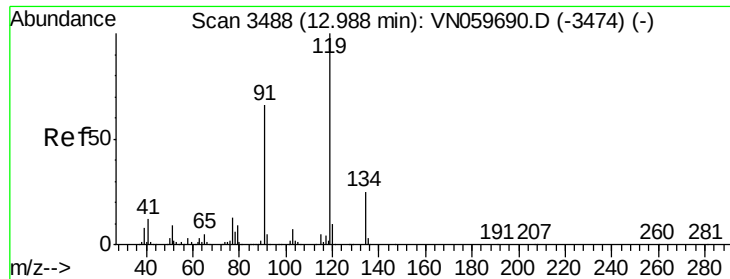
Tgt Ion: 91 Resp: 115540

Ion Ratio Lower Upper

91 100

126 35.0 16.3 48.8





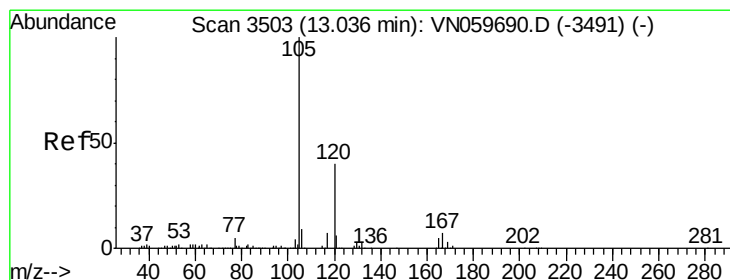
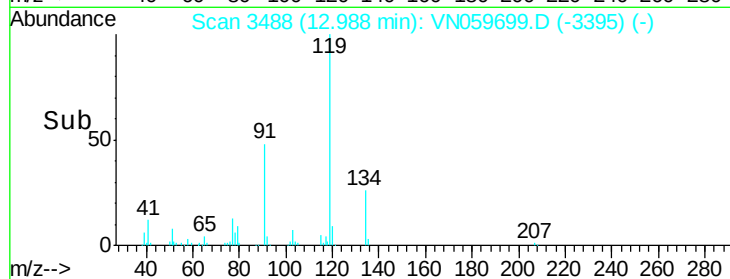
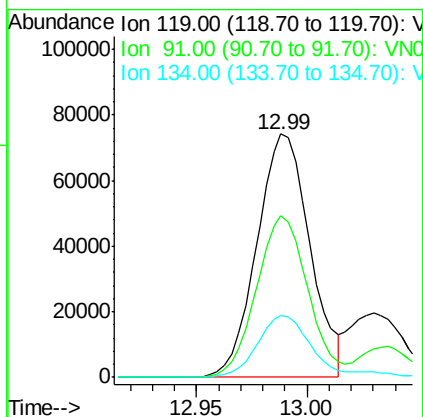
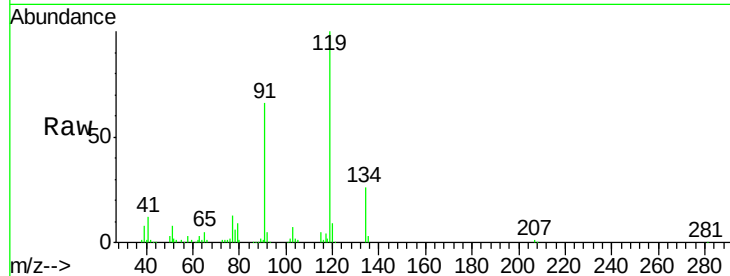
#83
 tert-Butylbenzene
 Concen: 19.570 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	123451		
91	64.3	34.8	104.4	
134	26.6	12.3	36.9	

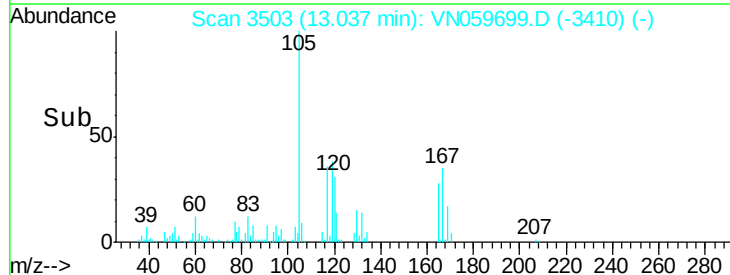
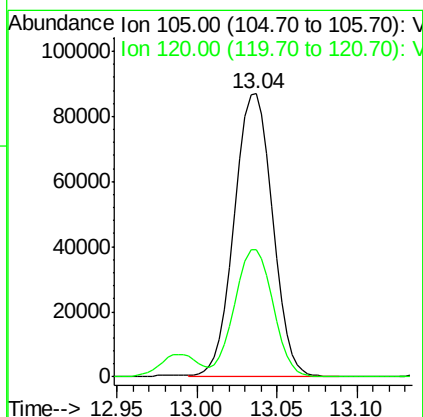
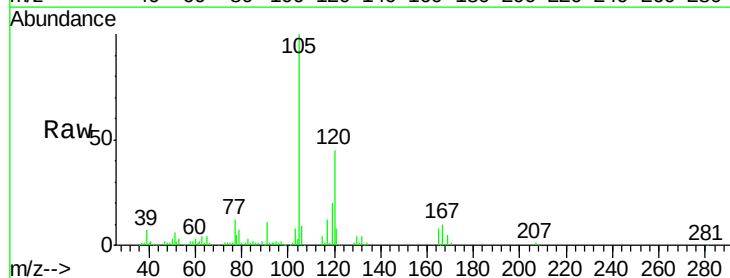
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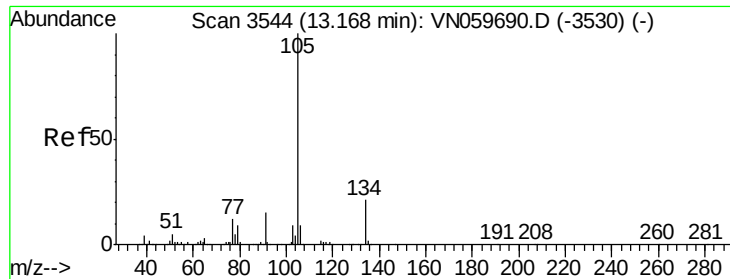
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.736 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142415		
120	45.3	22.3	66.9	





#85

sec-Butylbenzene

Concen: 19.353 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0114WBSD01

Tot Ion:105 Resp: 160401

Ion Ratio Lower Upper

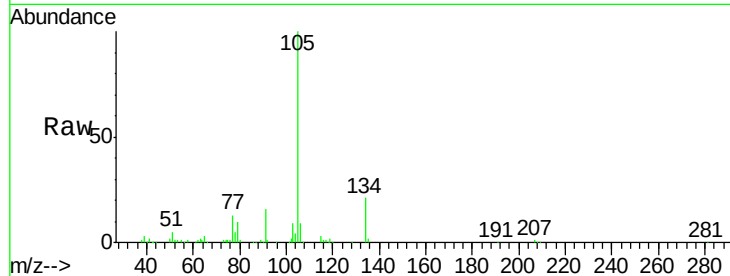
105 100

134 20.9 9.8 29.5

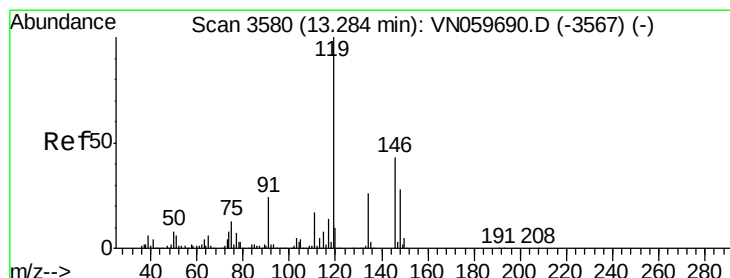
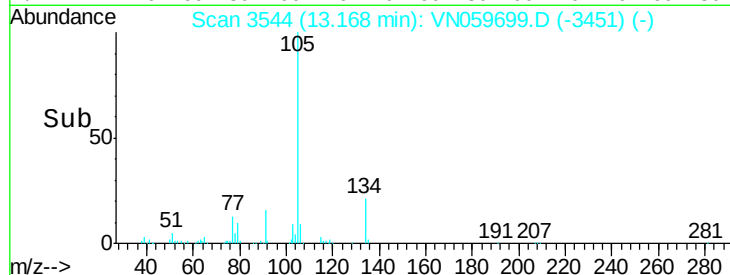
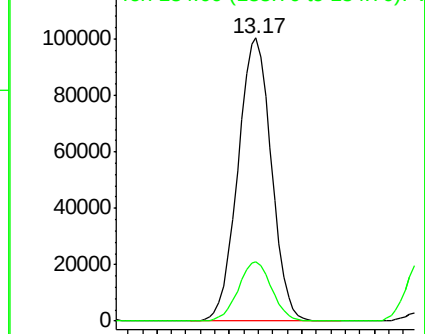
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.353 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

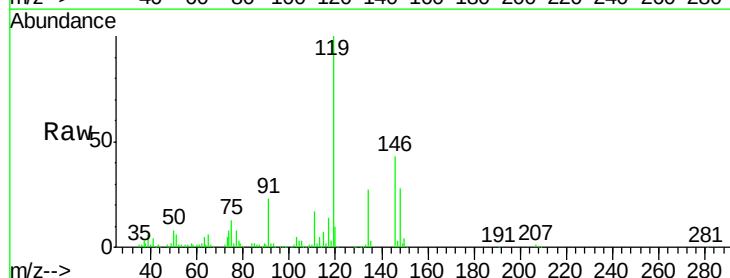
Tgt Ion:119 Resp: 148416

Ion Ratio Lower Upper

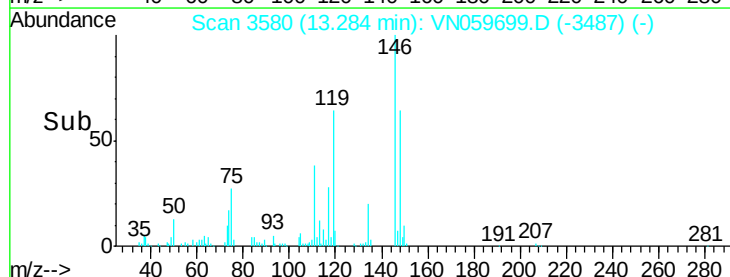
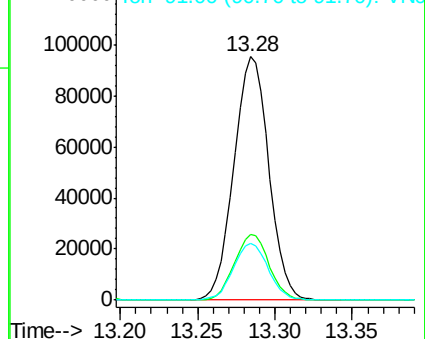
119 100

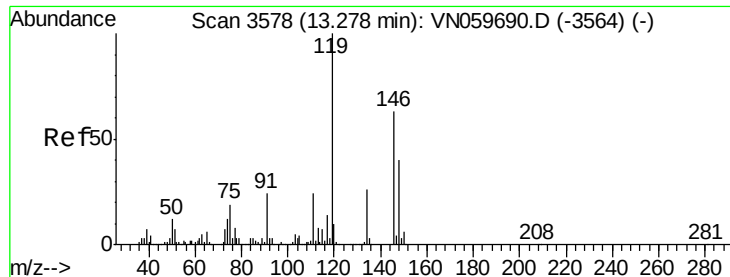
134 26.9 12.9 38.7

91 23.4 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.026 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Instrument :

MSVOA_N

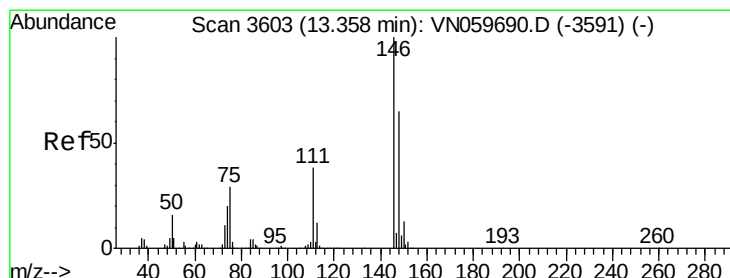
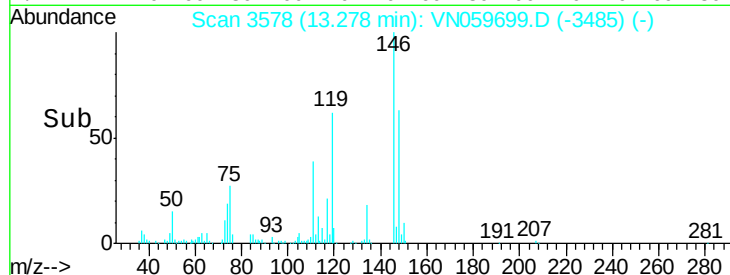
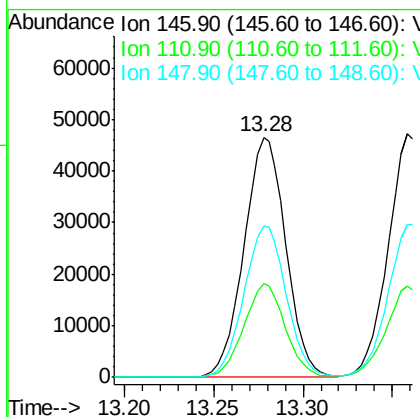
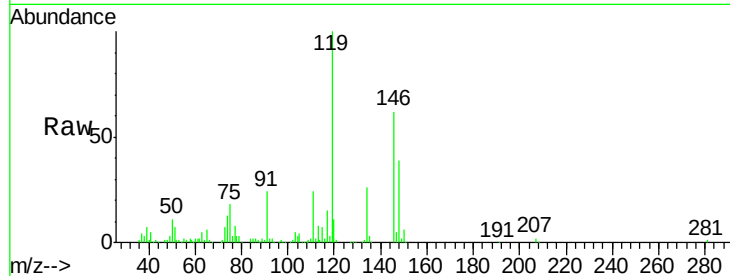
ClientSampleId :

VN0114WBSD01

Tot Ion:	146	Resp:	76399
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.8	62.2
148	63.8	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 20.087 ug/l

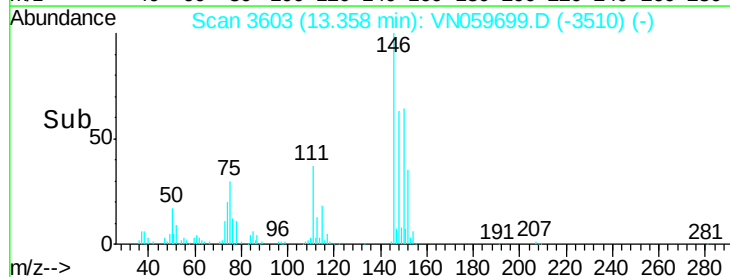
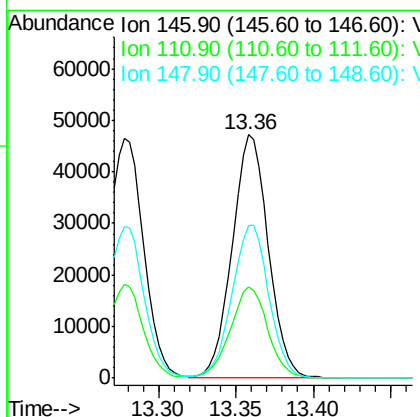
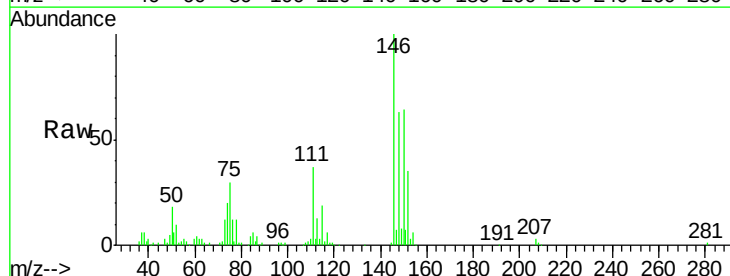
RT: 13.36 min Scan# 3603

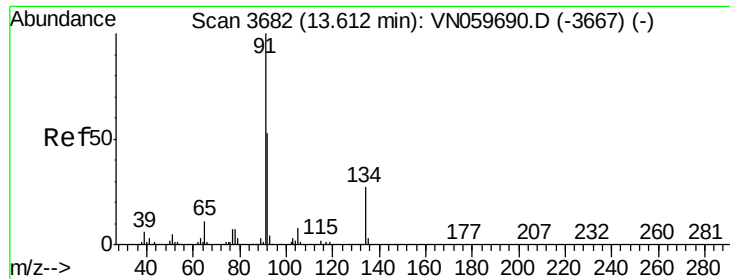
Delta R.T. 0.00 min

Lab File: VN059699.D

Acq: 14 Jan 2020 11:39

Tgt Ion:	146	Resp:	76451
Ion Ratio	Lower	Upper	
146	100		
111	38.7	20.8	62.2
148	64.2	31.8	95.4





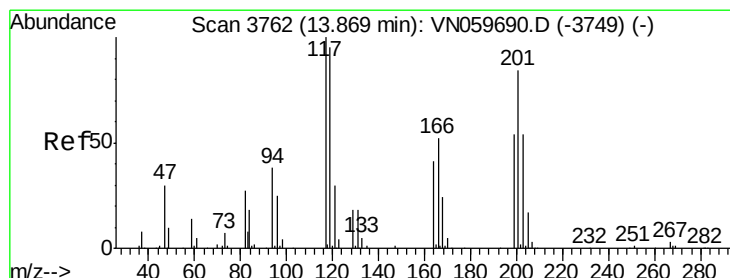
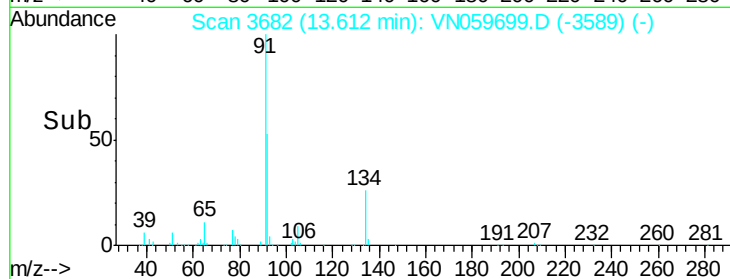
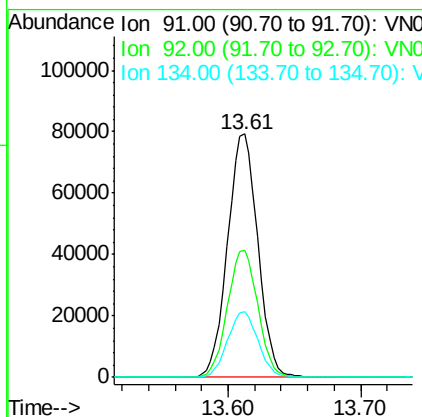
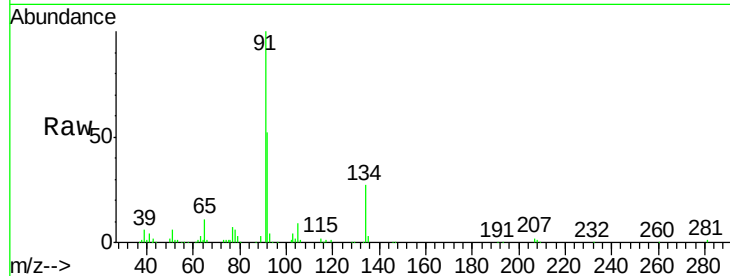
#89
n-Butylbenzene
Concen: 19.222 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	27.2	12.3	36.8

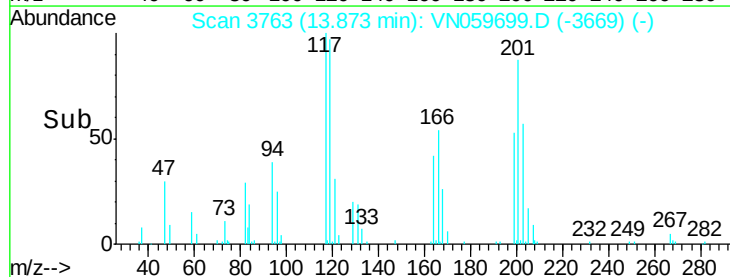
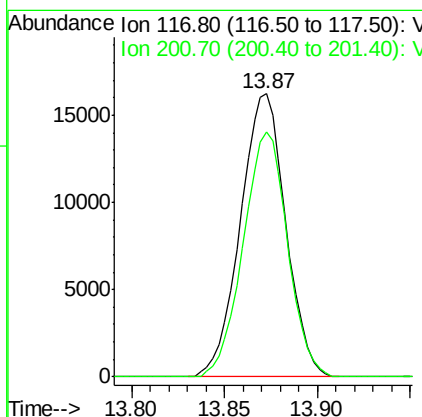
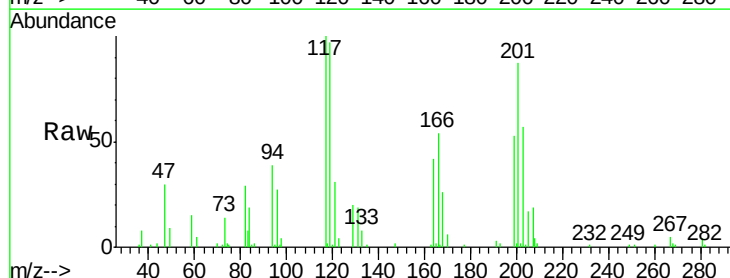
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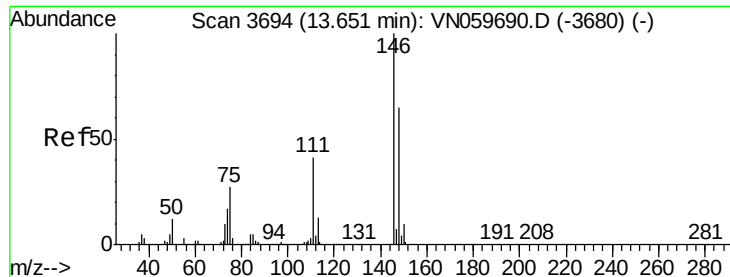
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#90
Hexachloroethane
Concen: 19.285 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	37.8	113.4





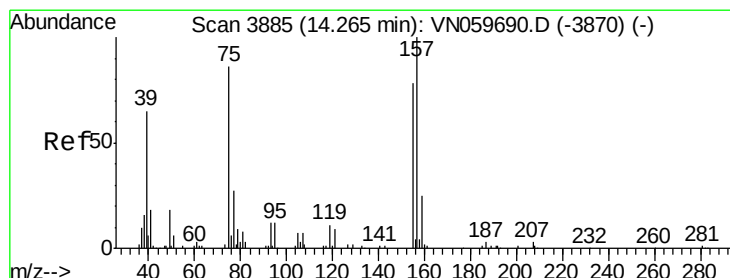
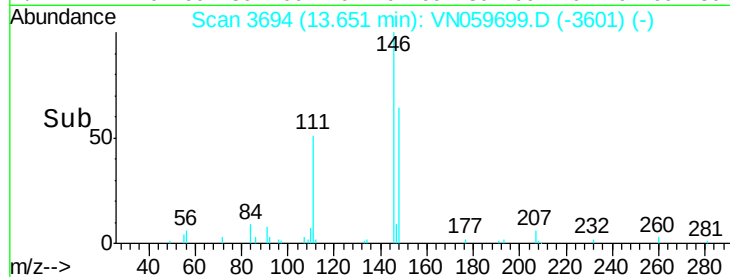
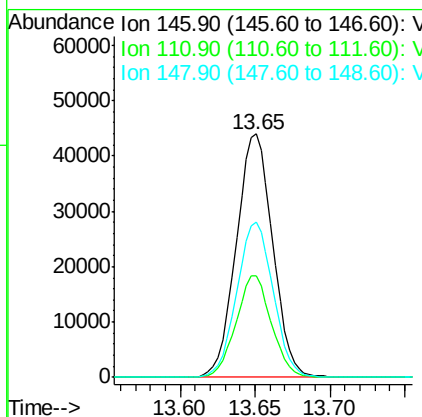
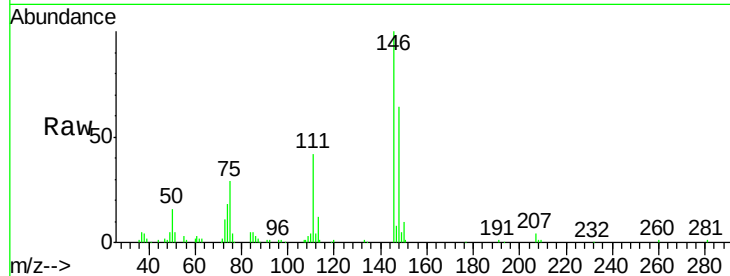
#91
 1,2-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	64.8
148	63.5	31.6	95.0

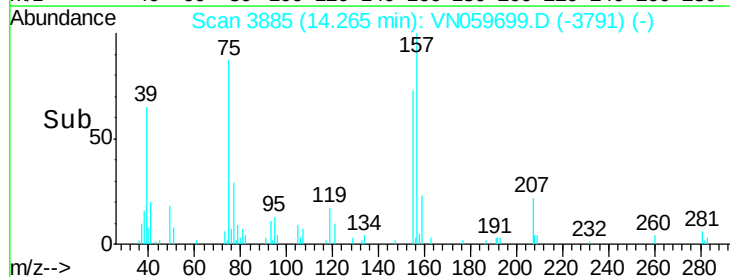
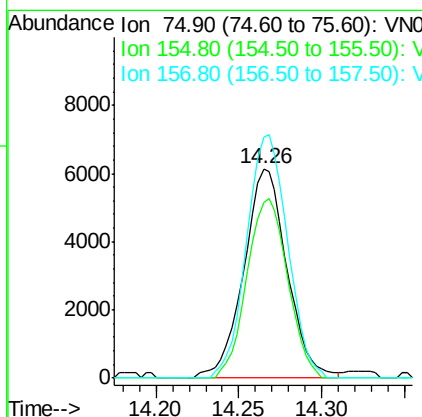
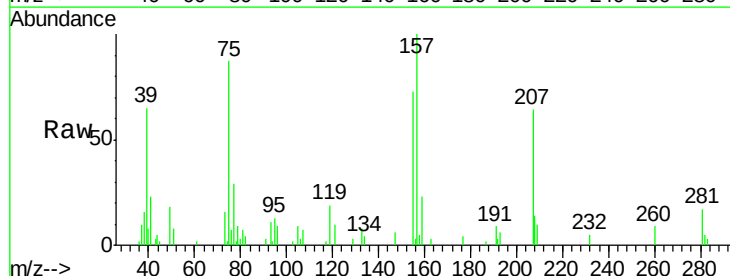
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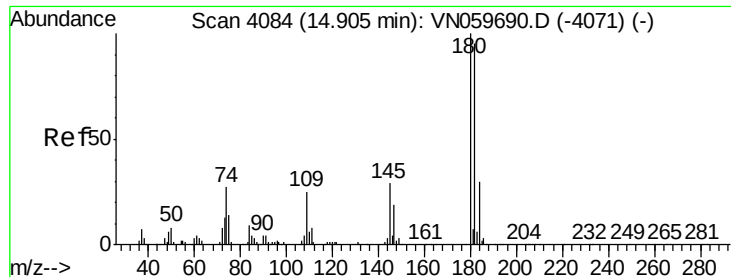
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.338 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059699.D
 Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	37.0	110.9
157	110.1	48.4	145.2





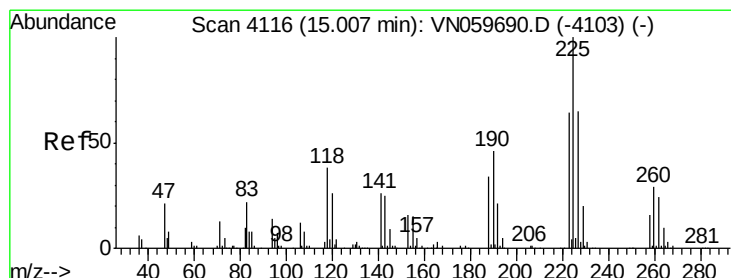
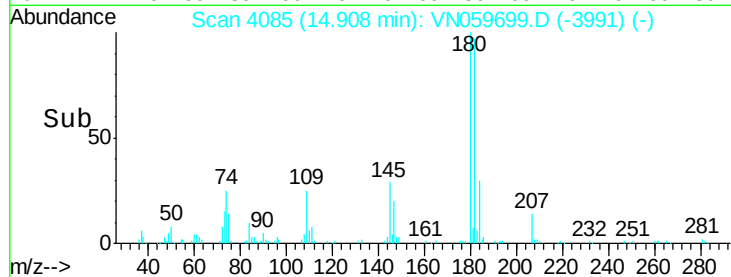
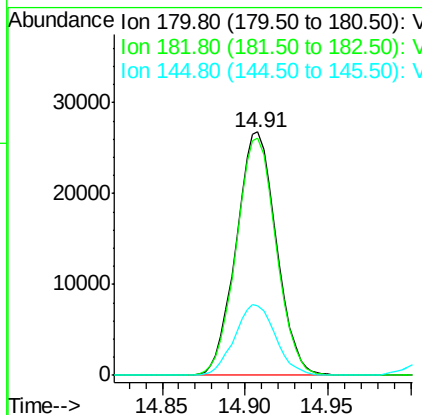
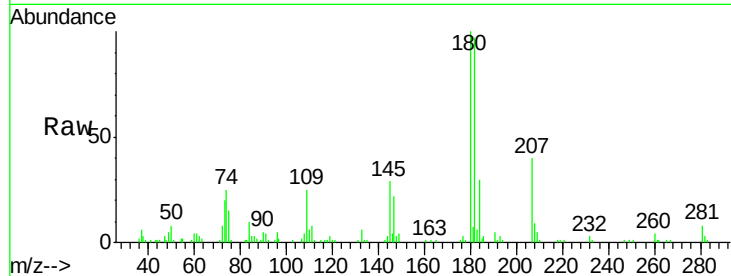
#93
1,2,4-Trichlorobenzene
Concen: 19.900 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45099		
182	96.9	46.9	140.7	
145	29.5	15.0	45.1	

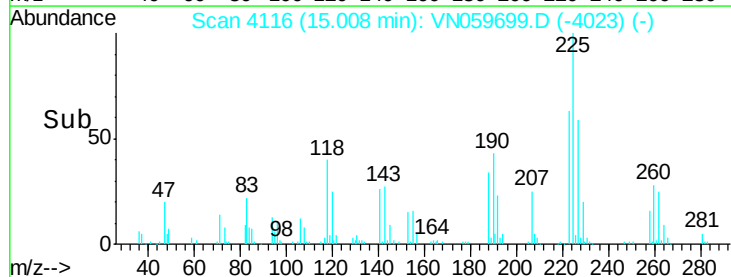
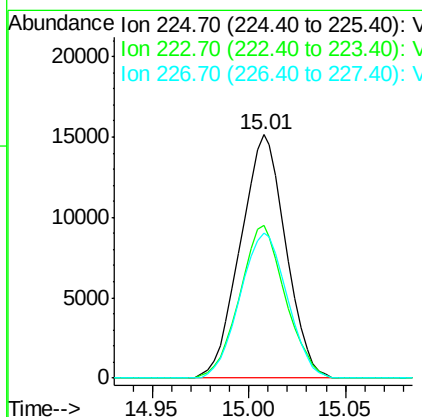
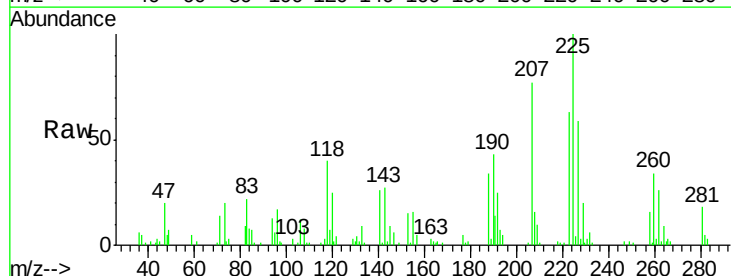
Manual Integrations
APPROVED

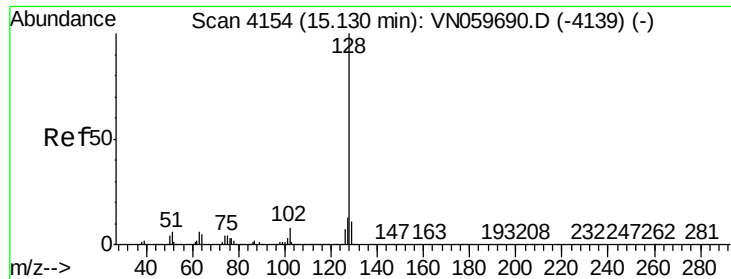
MMDadoda
1/15/2020 10:55:14 AM



#94
Hexachlorobutadiene
Concen: 19.763 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24681		
223	63.3	31.8	95.3	
227	61.9	32.1	96.5	





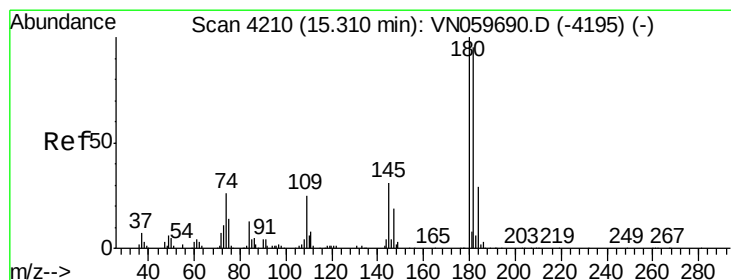
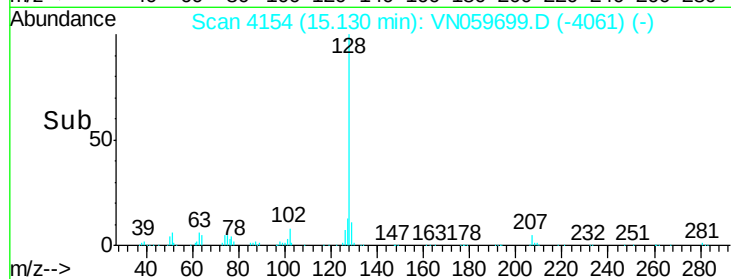
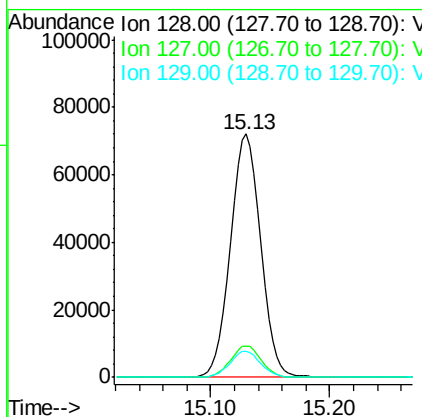
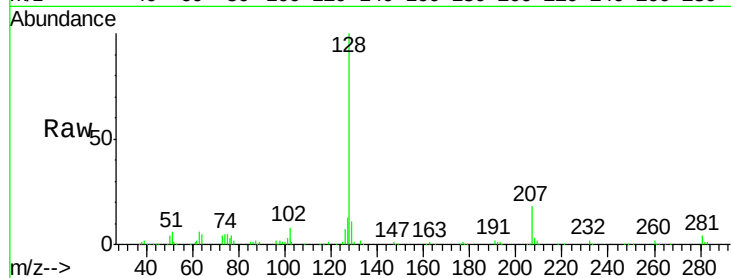
#95
Naphthalene
Concen: 19.731 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/15/2020 10:55:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.138 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059699.D
Acq: 14 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	32.3	16.3	48.9

