

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060071.D
 Acq On : 12 Feb 2020 13:13
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:19 AM

Quant Time: Feb 12 13:59:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 13:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	216150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	402084	152.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.74%	
35) Dibromofluoromethane	7.56	113	328441	156.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.10%	
50) Toluene-d8	10.08	98	1278145	154.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.42%	
62) 4-Bromofluorobenzene	12.40	95	484358	159.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	314596	145.610	ug/l	100
3) Chloromethane	2.04	50	374408	145.620	ug/l	99
4) Vinyl Chloride	2.16	62	419943	143.292	ug/l	99
5) Bromomethane	2.51	94	267709	148.975	ug/l	99
6) Chloroethane	2.67	64	218009	147.074	ug/l	99
7) Trichlorofluoromethane	3.00	101	545651	144.410	ug/l	98
8) Diethyl Ether	3.38	74	191310	152.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	303364	144.611	ug/l	99
10) Methyl Iodide	3.93	142	436724	167.992	ug/l	99
11) Tert butyl alcohol	4.73	59	311676	791.875	ug/l	100
12) 1,1-Dichloroethene	3.71	96	307863	150.646	ug/l	99
13) Acrolein	3.57	56	320396	823.550	ug/l	97
14) Allyl chloride	4.29	41	443027	147.289	ug/l	98
15) Acrylonitrile	4.94	53	784513	816.175	ug/l	100
16) Acetone	3.78	43	856585	746.629	ug/l	98
17) Carbon Disulfide	4.03	76	915180	148.573	ug/l	99
18) Methyl Acetate	4.29	43	339113	157.350	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	1032647	150.257	ug/l	98
20) Methylene Chloride	4.52	84	339182	148.186	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	333292	149.613	ug/l	99
22) Diisopropyl ether	5.92	45	1022721	155.144	ug/l	92
23) Vinyl Acetate	5.86	43	4360632	787.712	ug/l	98
24) 1,1-Dichloroethane	5.82	63	591093	148.017	ug/l	100
25) 2-Butanone	6.80	43	1142355	791.711	ug/l	99
26) 2,2-Dichloropropane	6.80	77	556470	146.710	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	382830	146.842	ug/l	99
28) Bromochloromethane	7.17	49	241773	154.000	ug/l #	99
29) Tetrahydrofuran	7.18	42	698432	789.021	ug/l	99
30) Chloroform	7.35	83	616569	147.392	ug/l	99
31) Cyclohexane	7.63	56	524317	140.946	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	567988	148.582	ug/l	100
36) 1,1-Dichloropropene	7.77	75	467104	147.761	ug/l	99
37) Ethyl Acetate	6.90	43	447352	156.580	ug/l	99
38) Carbon Tetrachloride	7.75	117	502840	146.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	577470	147.159	ug/l	99
40) Benzene	8.02	78	1355403	144.539	ug/l	100
41) Methacrylonitrile	7.15	41	210511m	66.882	ug/l	
42) 1,2-Dichloroethane	8.10	62	486804	148.117	ug/l	99
43) Isopropyl Acetate	8.14	43	758406	155.289	ug/l	99
44) Trichloroethene	8.82	130	373532	143.858	ug/l	97
45) 1,2-Dichloropropane	9.10	63	341156	146.949	ug/l	98
46) Dibromomethane	9.19	93	244479	149.017	ug/l	99
47) Bromodichloromethane	9.39	83	496140	148.746	ug/l	97
48) Methyl methacrylate	9.18	41	348061	158.843	ug/l	98
49) 1,4-Dioxane	9.18	88	124547	3326.662	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2203222	779.391	ug/l	98
52) Toluene	10.14	92	898862	149.477	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	583265	154.919	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	600566	151.484	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	345313	147.194	ug/l	99
56) Ethyl methacrylate	10.42	69	552174	166.384	ug/l	99
57) 1,3-Dichloropropane	10.70	76	570340	147.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	1239194	801.512	ug/l	100
59) 2-Hexanone	10.74	43	1734317	794.222	ug/l	99
60) Dibromochloromethane	10.89	129	417487	155.078	ug/l	99
61) 1,2-Dibromoethane	11.00	107	376561	153.120	ug/l	100
64) Tetrachloroethene	10.62	164	337175	137.384	ug/l	99
65) Chlorobenzene	11.43	112	968053	147.176	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	375776	151.020	ug/l	99
67) Ethyl Benzene	11.51	91	1740628	146.726	ug/l	99
68) m/p-Xylenes	11.62	106	1339153	300.771	ug/l	96
69) o-Xylene	11.94	106	646853	150.889	ug/l	99
70) Styrene	11.96	104	1129999	163.459	ug/l	99
71) Bromoform	12.12	173	332298	166.039	ug/l #	98
73) Isopropylbenzene	12.25	105	1750202	139.689	ug/l	99
74) N-amyl acetate	12.07	43	712397	157.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	521483	144.602	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	482789m	106.768	ug/l	
77) Bromobenzene	12.52	156	443905	142.764	ug/l	99
78) n-propylbenzene	12.59	91	1998968	140.034	ug/l	99
79) 2-Chlorotoluene	12.67	91	1173985	139.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1479282	142.000	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	207909	158.584	ug/l	98
82) 4-Chlorotoluene	12.77	91	1242112	144.294	ug/l	100
83) tert-Butylbenzene	12.99	119	1260962	136.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1486446	144.549	ug/l	98
85) sec-Butylbenzene	13.17	105	1715992	140.602	ug/l	99
86) p-Isopropyltoluene	13.29	119	1592170	143.986	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	807197	146.657	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	801506	145.653	ug/l	100
89) n-Butylbenzene	13.61	91	1449476	149.031	ug/l	100
90) Hexachloroethane	13.87	117	302932	146.642	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	768593	142.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	112217	134.408	ug/l	98

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ClientSampleId :
VSTDICC150

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	505062	159.582	ug/l	100
94) Hexachlorobutadiene	15.01	225	251469	135.723	ug/l	99
95) Naphthalene	15.13	128	1413203	165.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	488825	155.096	ug/l	99

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

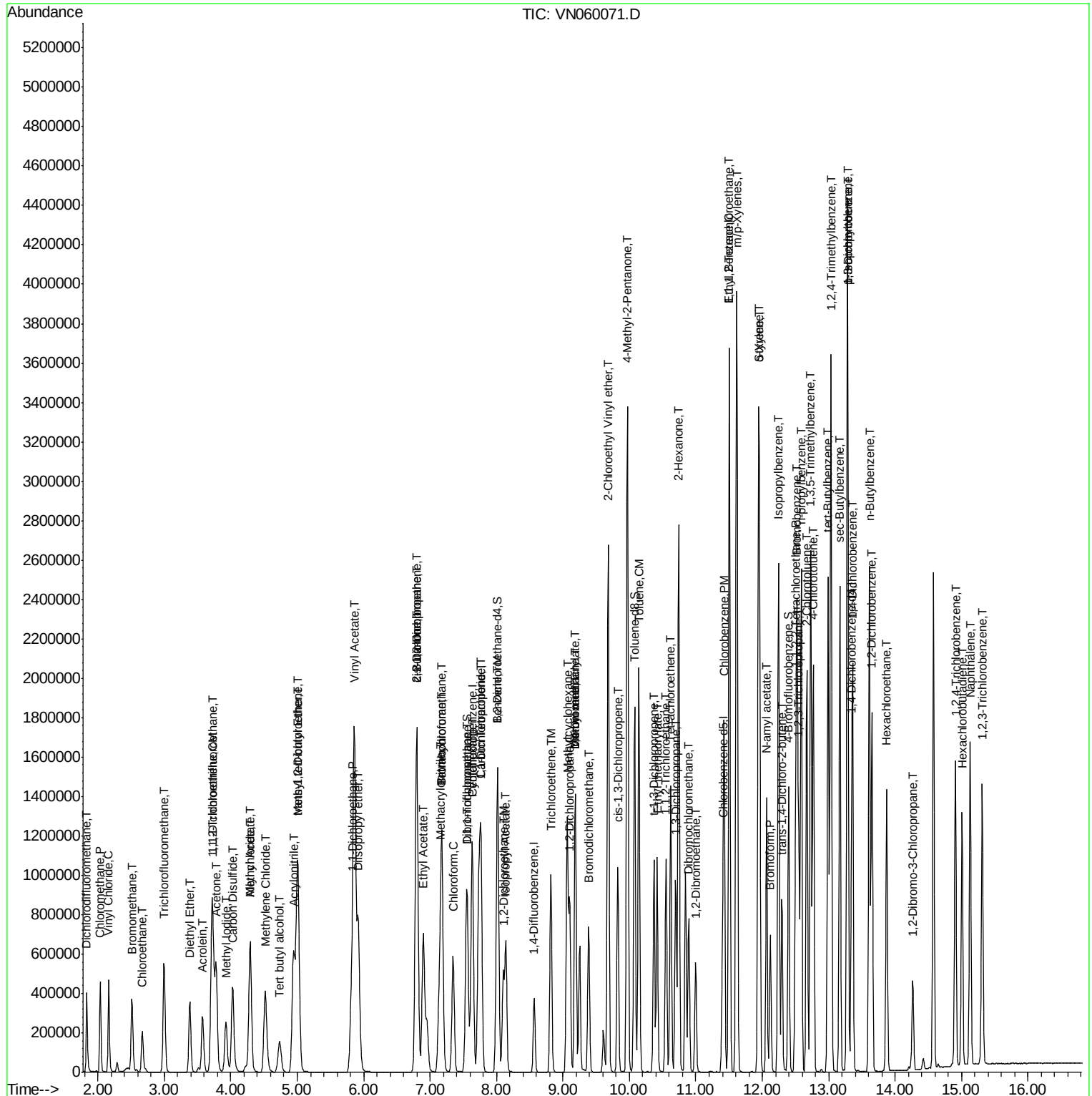
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021220\
Data File : VN060071.D
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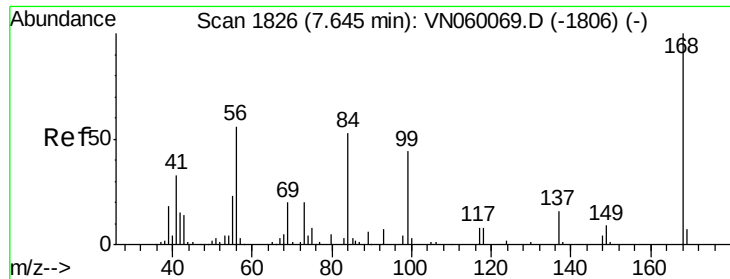
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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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: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 216150

Ion Ratio Lower Upper

168 100

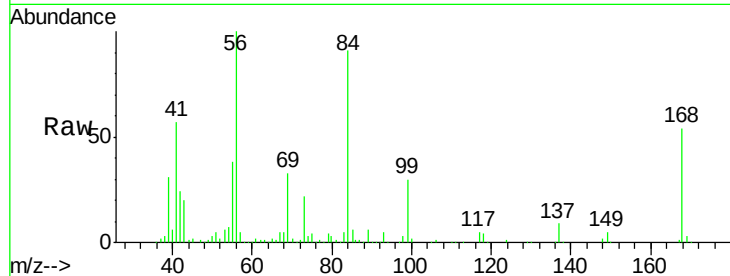
99 54.6 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

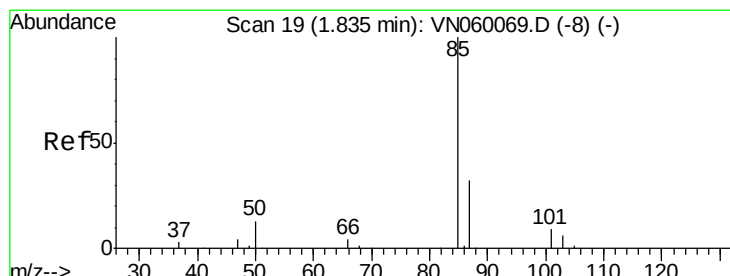
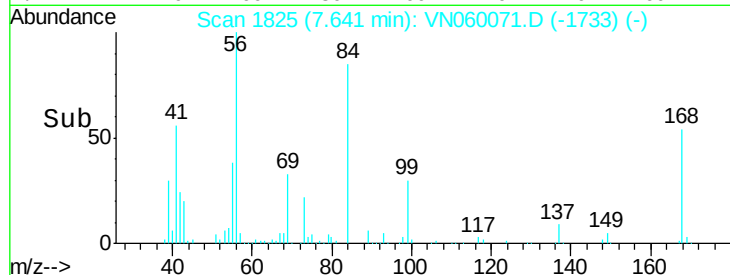
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 145.610 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060071.D

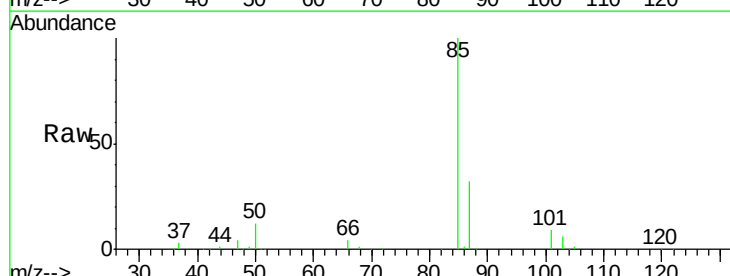
Acq: 12 Feb 2020 13:13

Tgt Ion: 85 Resp: 314596

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

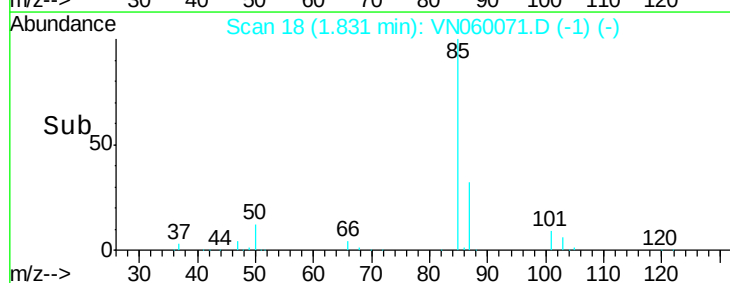
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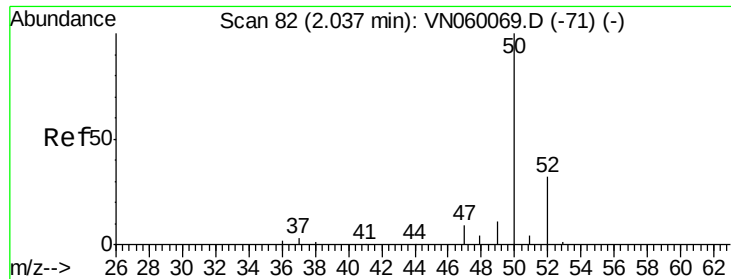
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 145.620 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 374408

Ion Ratio Lower Upper

50 100

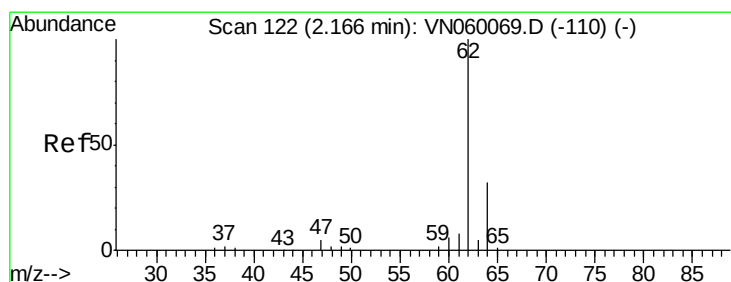
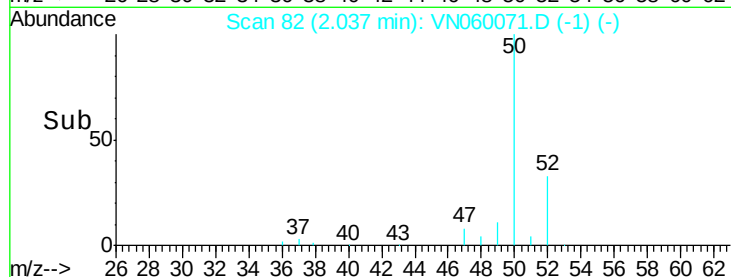
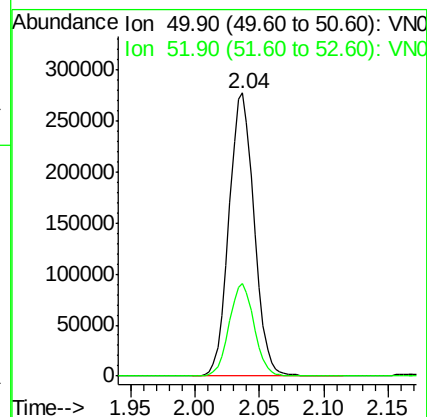
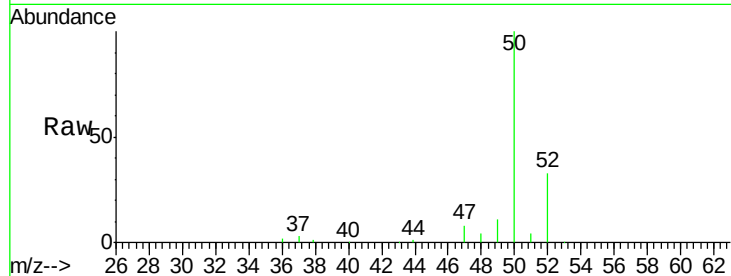
52 32.7 25.6 38.4

Manual Integrations

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2/13/2020 10:37:19 AM



#4

Vinyl Chloride

Concen: 143.292 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060071.D

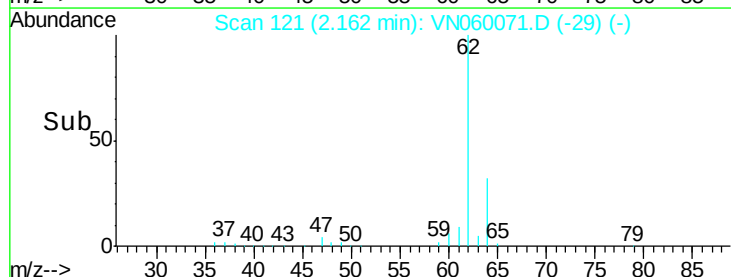
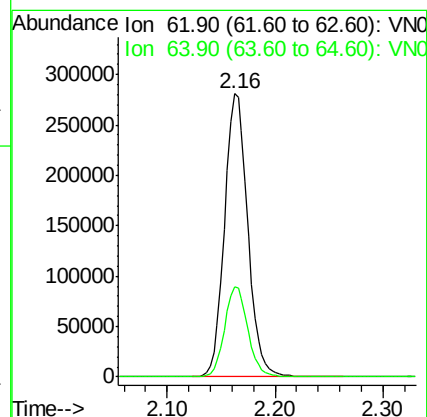
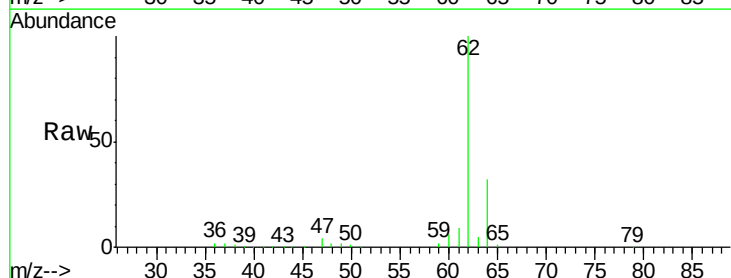
Acq: 12 Feb 2020 13:13

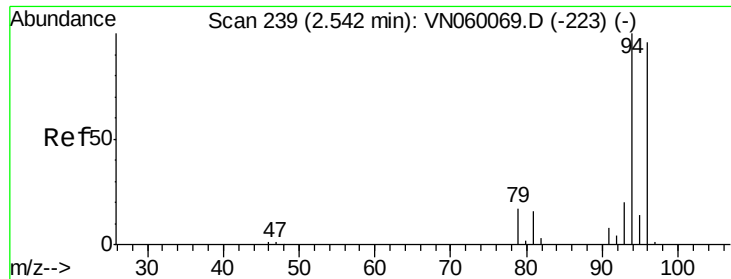
Tgt Ion: 62 Resp: 419943

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 148.975 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.03 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 267709

Ion Ratio Lower Upper

94 100

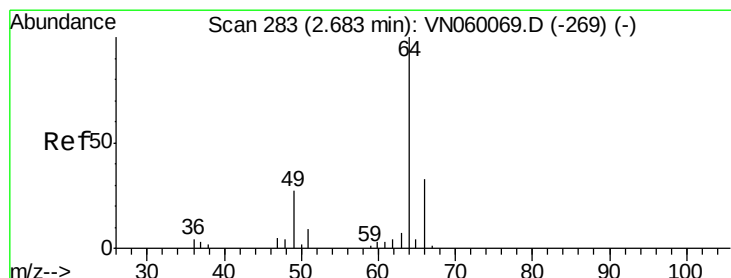
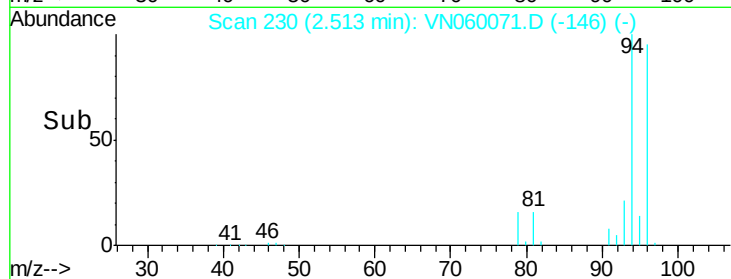
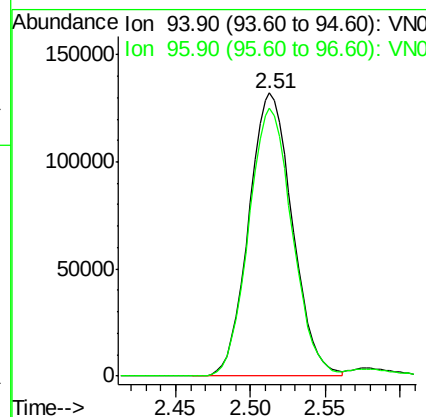
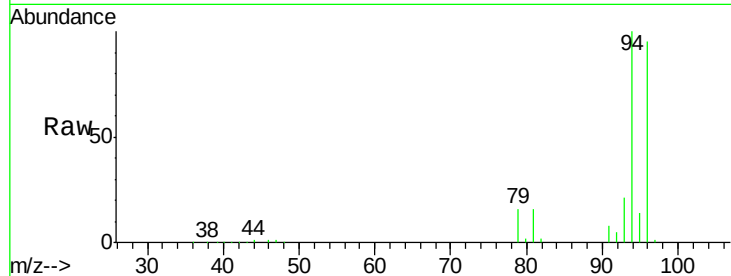
96 94.6 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 147.074 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN060071.D

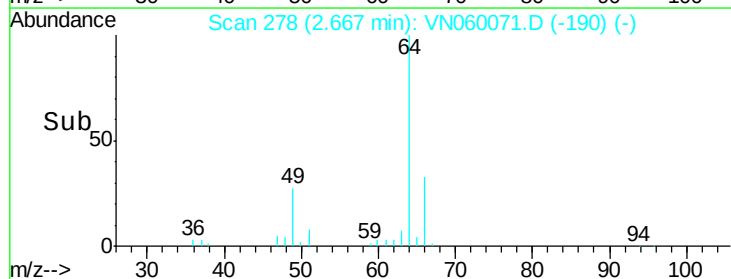
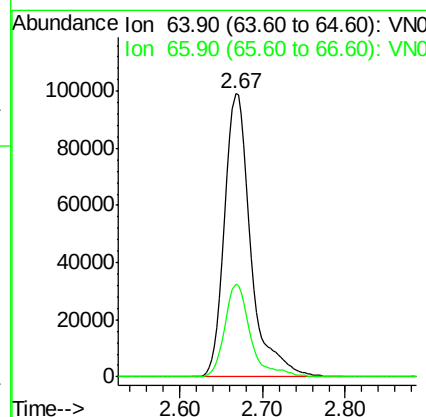
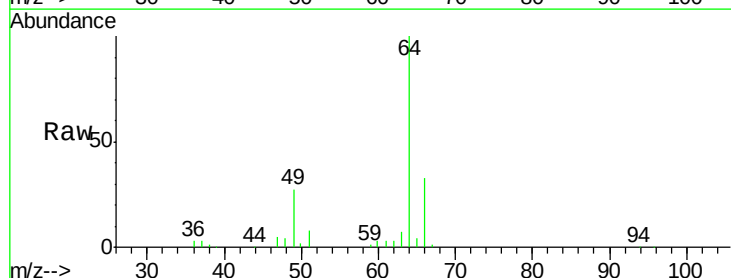
Acq: 12 Feb 2020 13:13

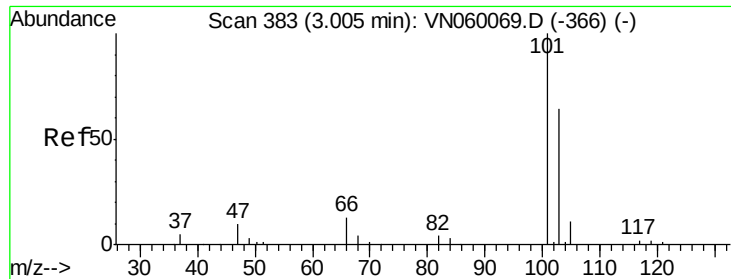
Tgt Ion: 64 Resp: 218009

Ion Ratio Lower Upper

64 100

66 32.8 26.6 40.0





#7

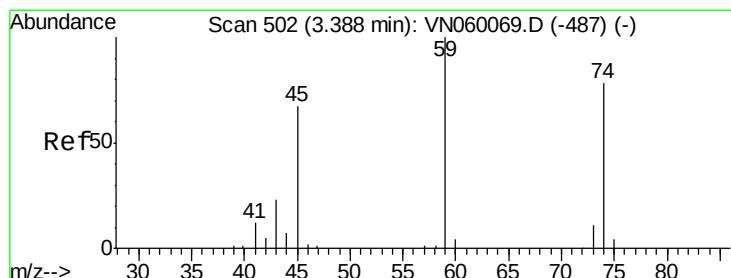
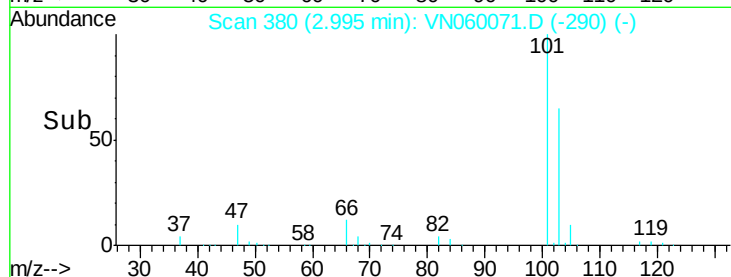
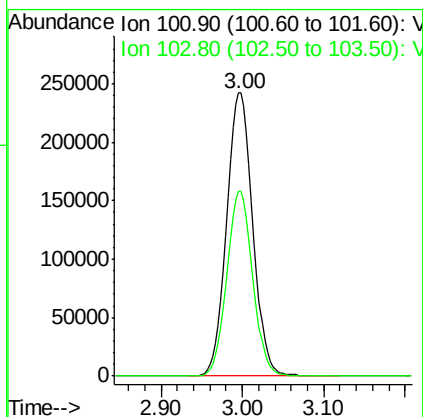
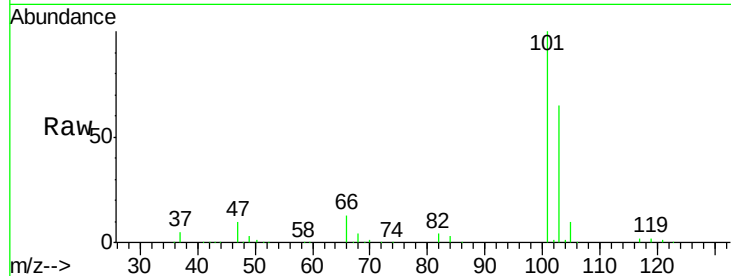
Trichlorofluoromethane
Concen: 144.410 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.0	76.6

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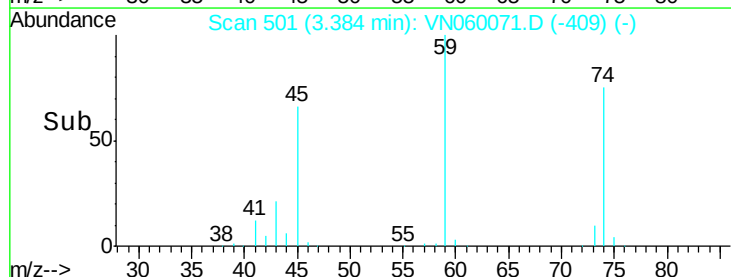
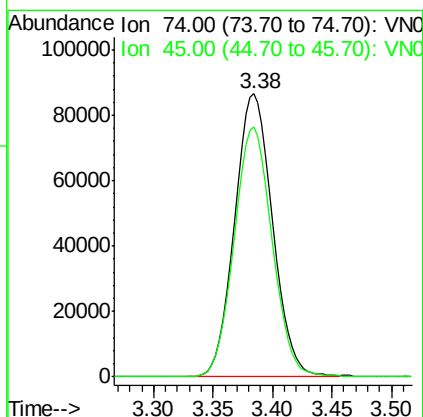
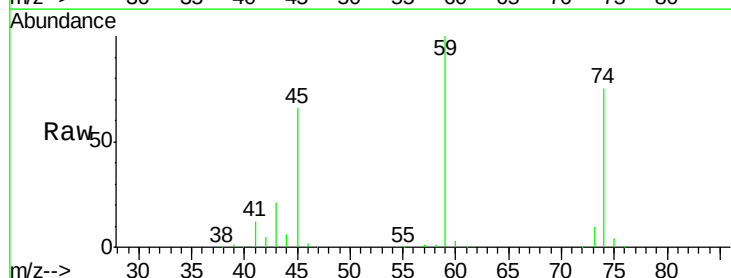
MMDadoda
2/13/2020 10:37:19 AM

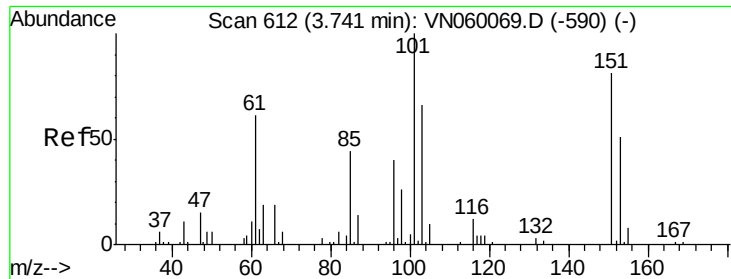


#8

Diethyl Ether
Concen: 152.102 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060071.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	44.7	134.1





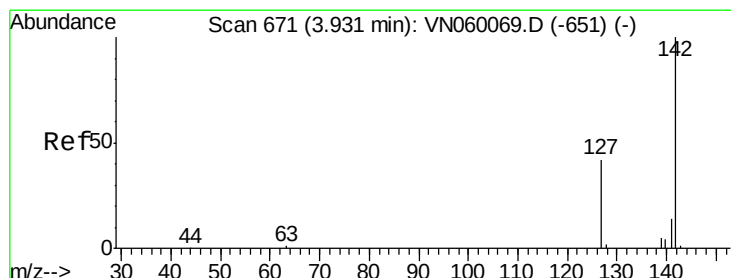
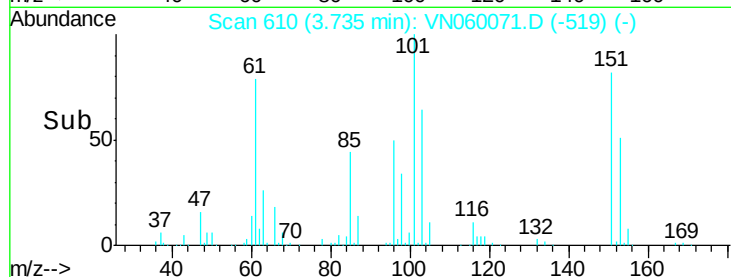
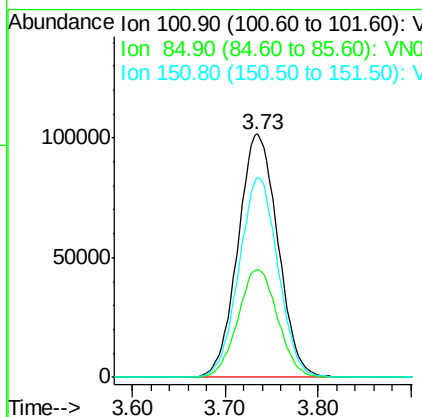
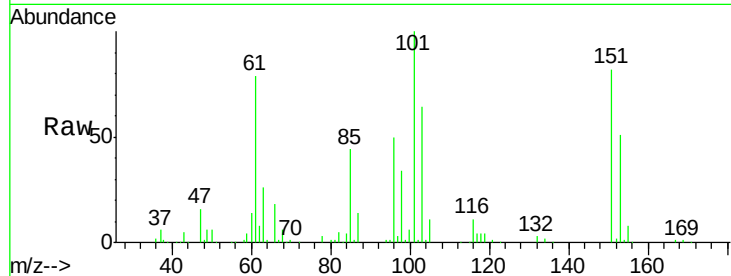
#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.611 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	303364		
85	44.2	35.1	52.7	
151	80.6	65.8	98.6	

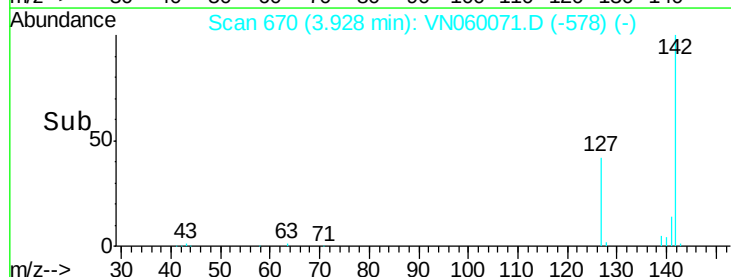
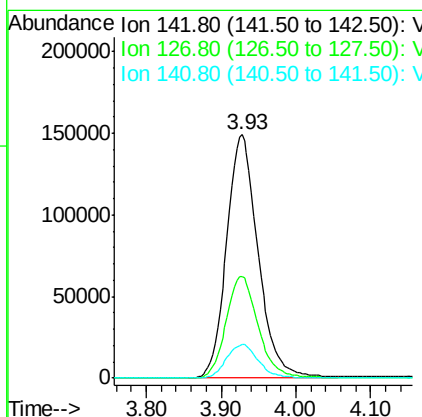
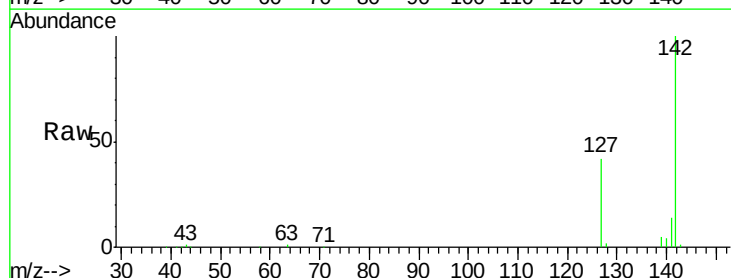
Manual Integrations
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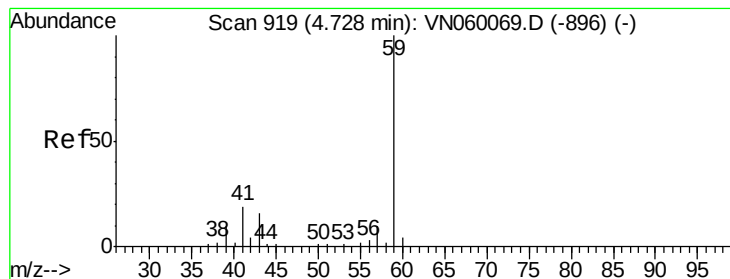
MMDadoda
2/13/2020 10:37:19 AM



#10
Methyl Iodide
Concen: 167.992 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	436724		
127	42.7	33.6	50.4	
141	14.1	11.4	17.2	





#11

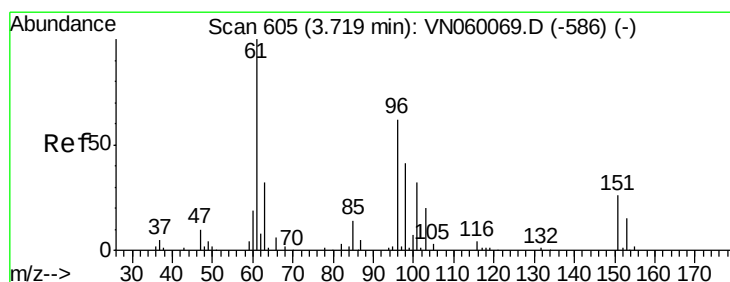
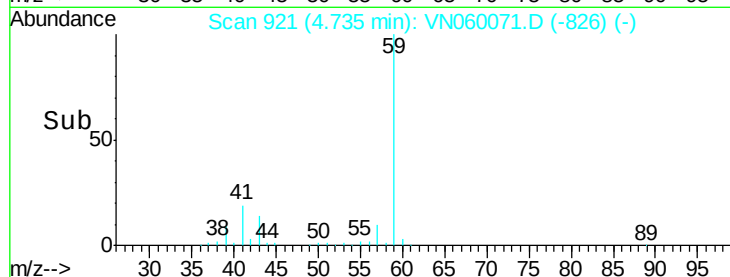
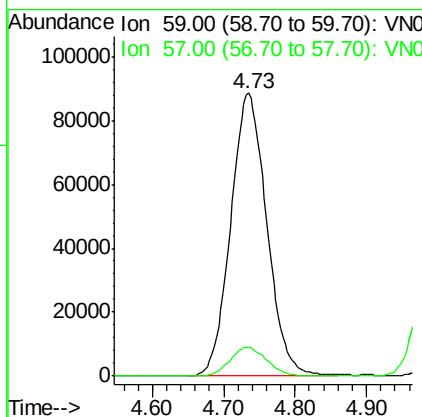
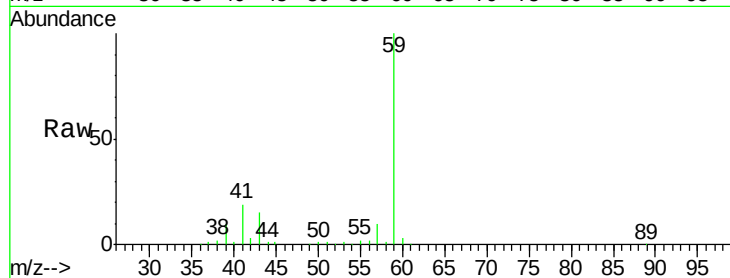
Tert butyl alcohol
Concen: 791.875 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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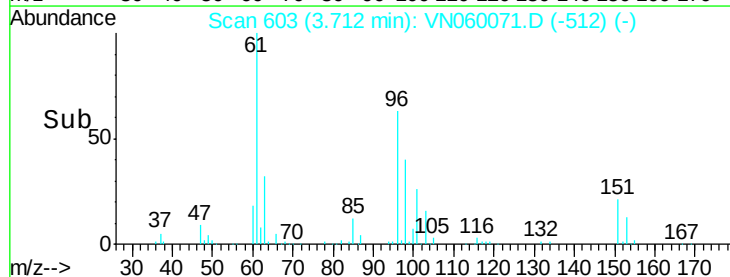
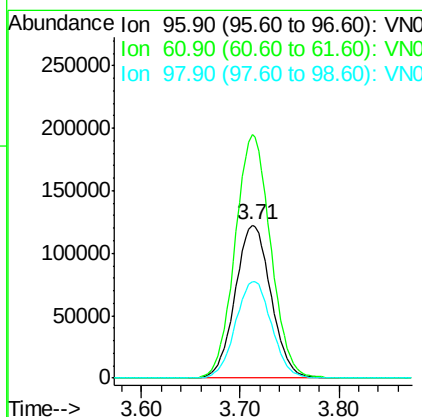
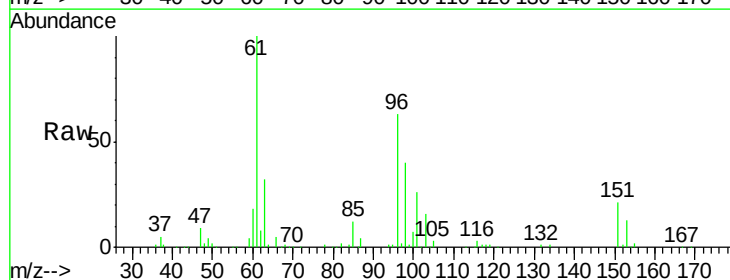
MMDadoda
2/13/2020 10:37:19 AM

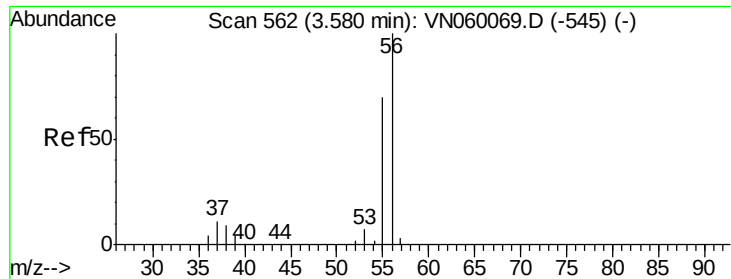


#12

1,1-Dichloroethene
Concen: 150.646 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	128.3	192.5
98	63.5	52.2	78.4





#13

Acrolein

Concen: 823.550 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 320396

Ion Ratio Lower Upper

56 100

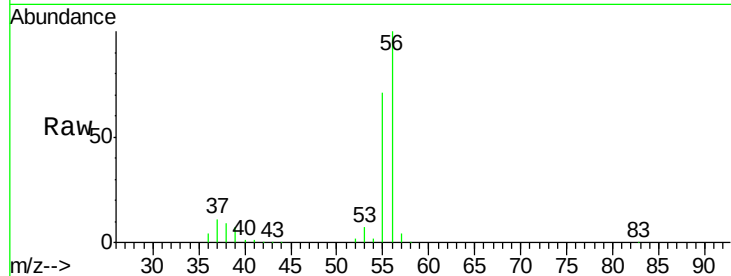
55 71.1 54.8 82.2

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:19 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060071.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN060071.D (-469) (-)

3.57

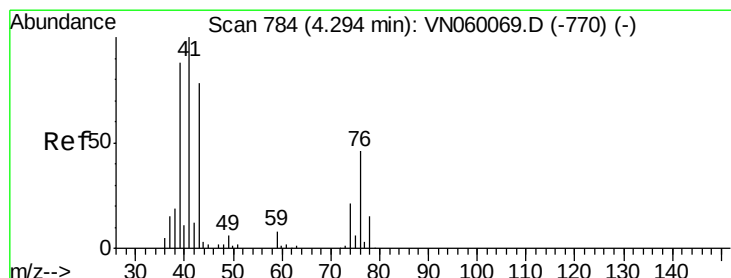
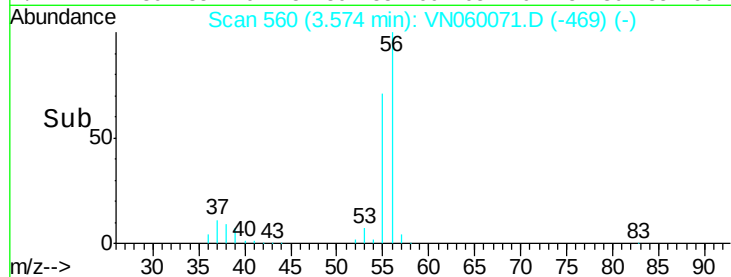
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 147.289 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

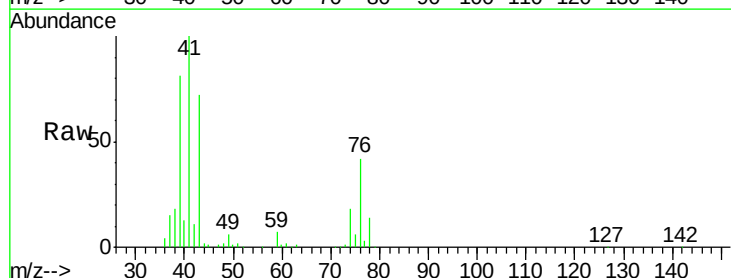
Tgt Ion: 41 Resp: 443027

Ion Ratio Lower Upper

41 100

39 83.0 67.8 101.8

76 41.6 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060071.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060071.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060071.D (-691) (-)

4.29

200000

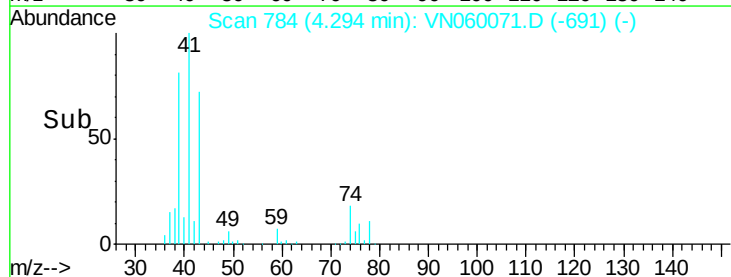
150000

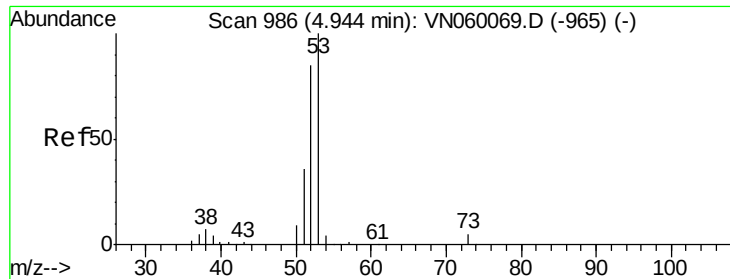
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 816.175 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

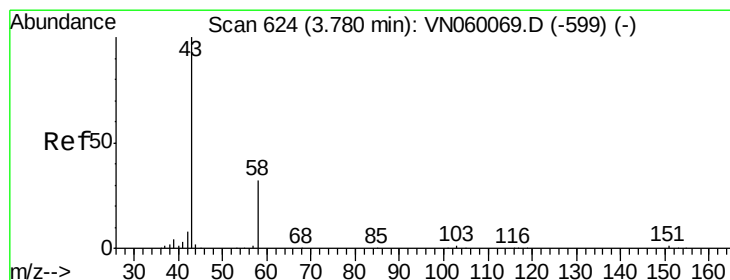
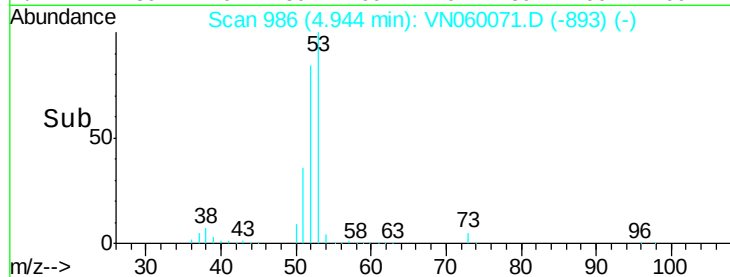
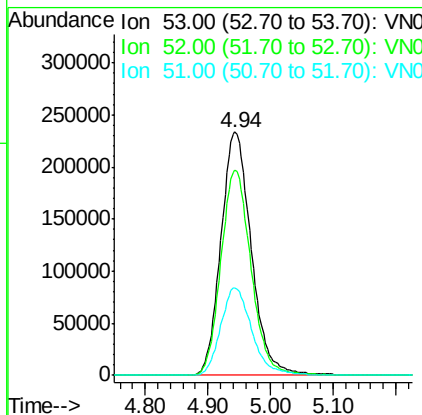
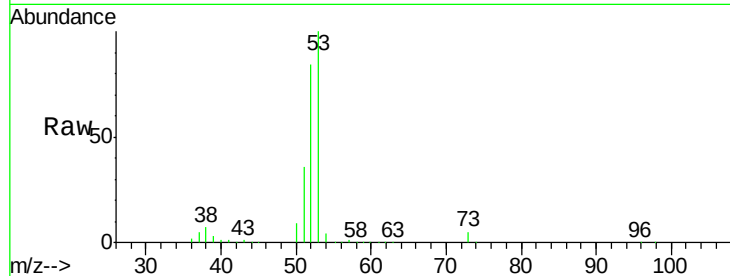
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	784513
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.8	100.2
51	37.1	29.4	44.0

Manual Integrations
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MMDadoda
2/13/2020 10:37:19 AM



#16

Acetone

Concen: 746.629 ug/l

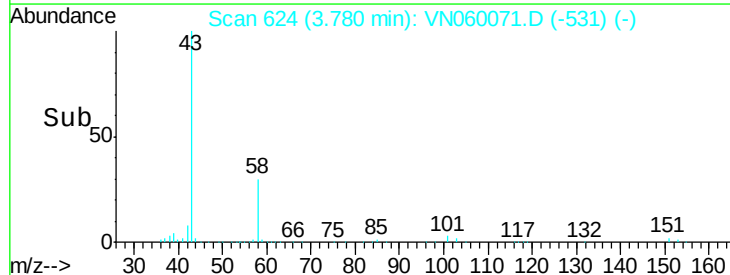
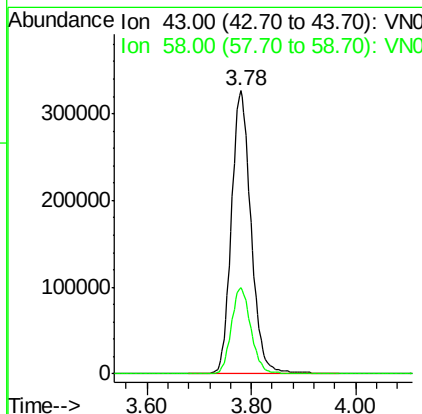
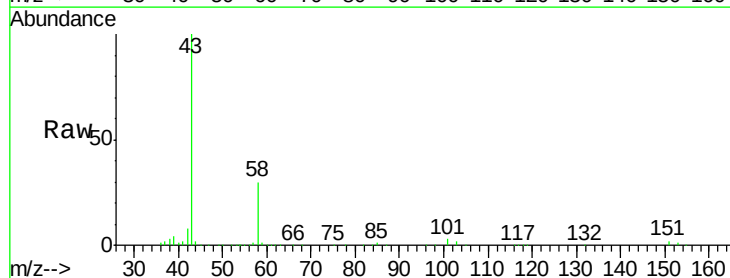
RT: 3.78 min Scan# 624

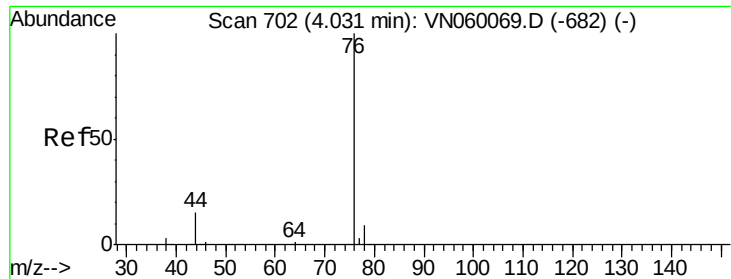
Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion:	43	Resp:	856585
Ion Ratio	Lower	Upper	
43	100		
58	30.2	25.2	37.8





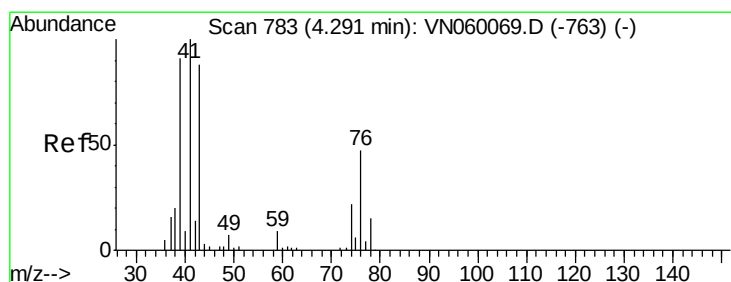
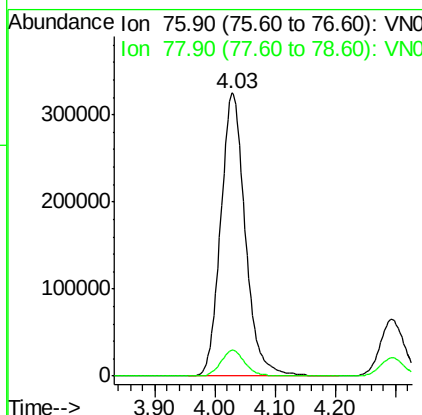
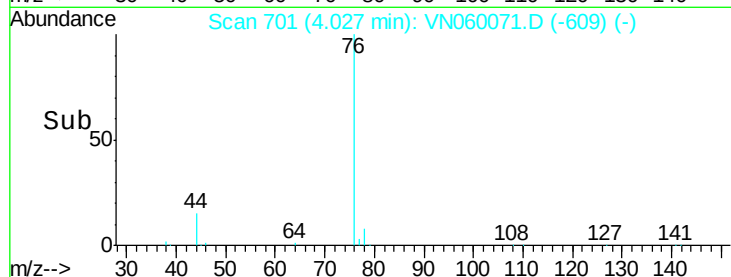
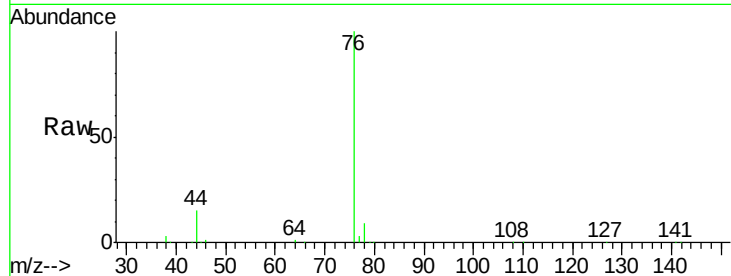
#17
Carbon Disulfide
Concen: 148.573 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

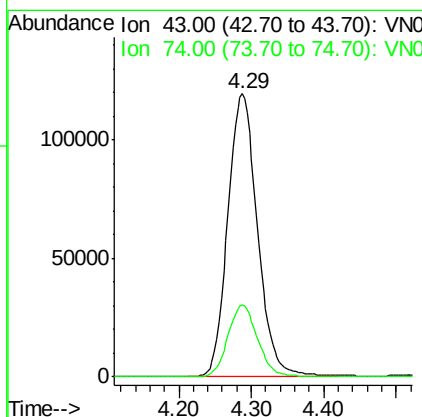
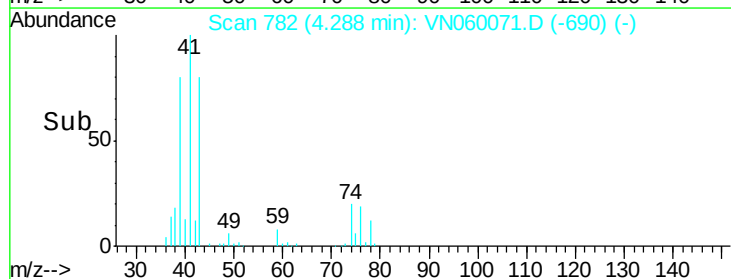
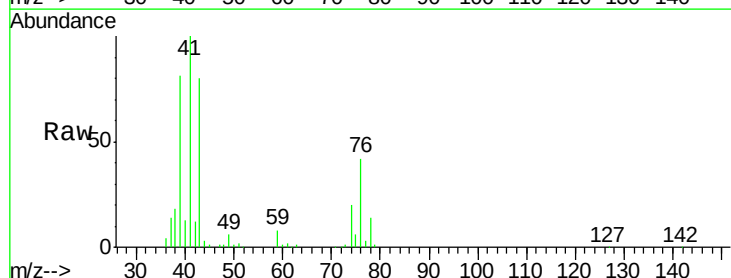
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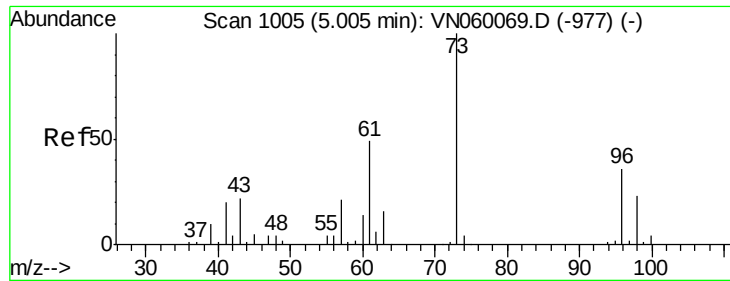
MMDadoda
2/13/2020 10:37:19 AM



#18
Methyl Acetate
Concen: 157.350 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.3	30.5





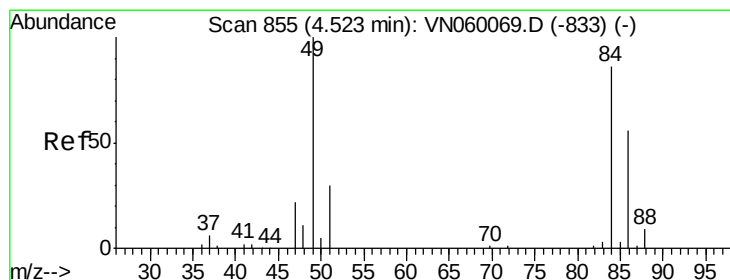
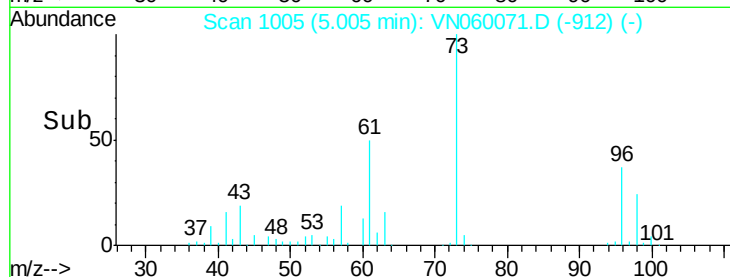
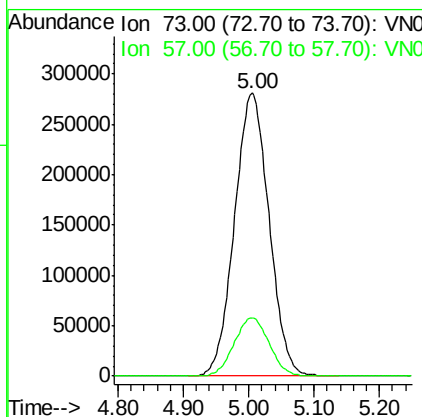
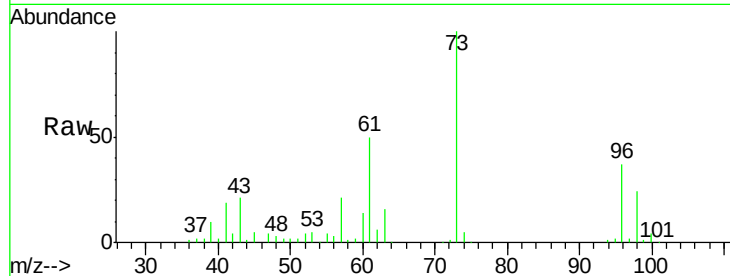
#19
Methvl tert-butyl Ether
Concen: 150.257 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1032647
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8

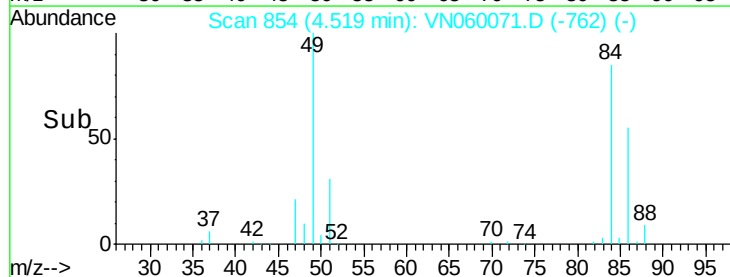
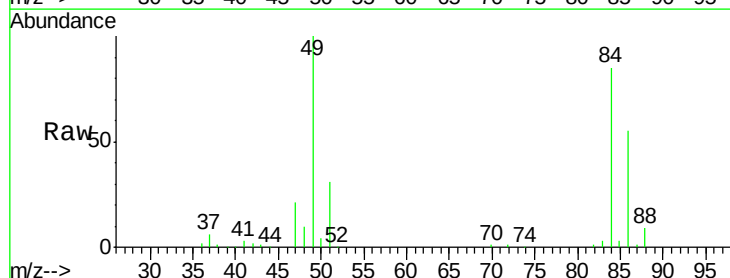
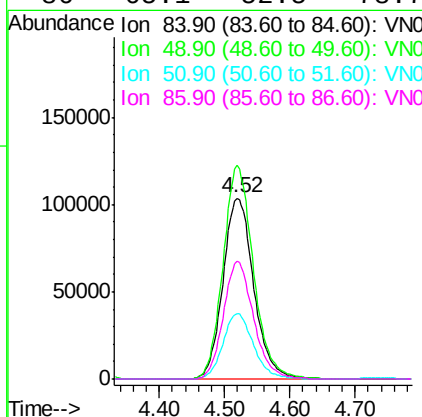
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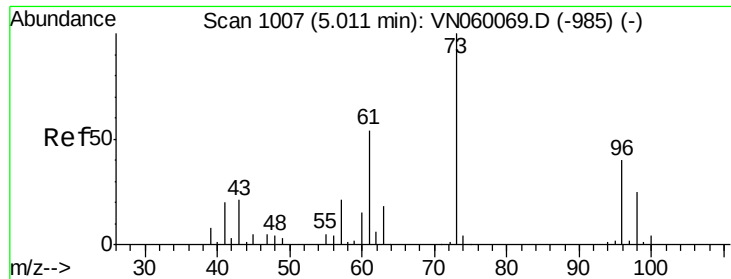
MMDadoda
2/13/2020 10:37:19 AM



#20
Methylene Chloride
Concen: 148.186 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion: 84 Resp: 339182
Ion Ratio Lower Upper
84 100
49 118.1 93.4 140.0
51 36.1 28.4 42.6
86 65.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 149.613 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 333292

Ion Ratio Lower Upper

96 100

61 136.3 109.3 163.9

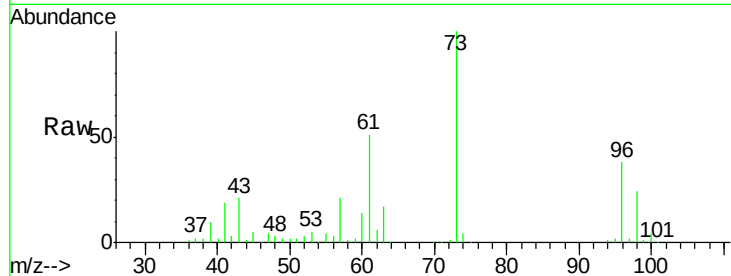
98 64.9 51.0 76.6

Manual Integrations

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MMDadoda

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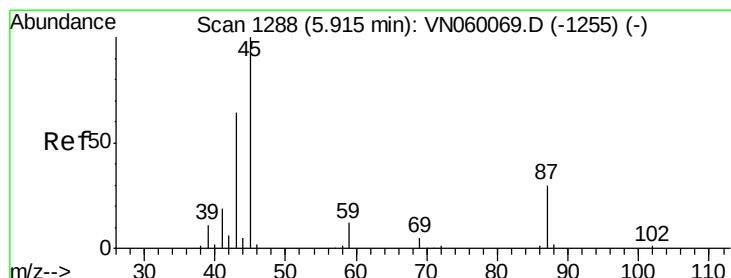
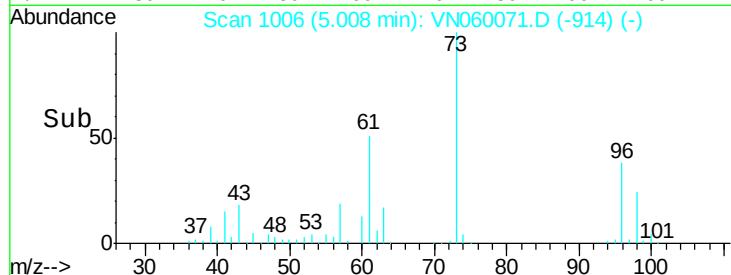
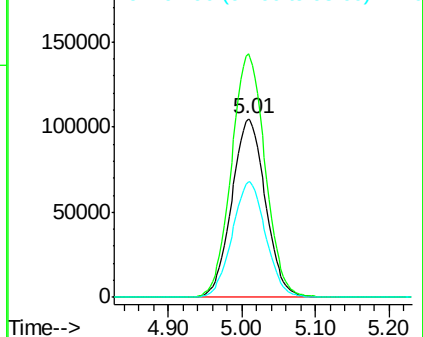


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 155.144 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion: 45 Resp: 1022721

Ion Ratio Lower Upper

45 100

43 60.2 55.9 83.9

87 30.2 24.5 36.7

59 12.0 9.9 14.9

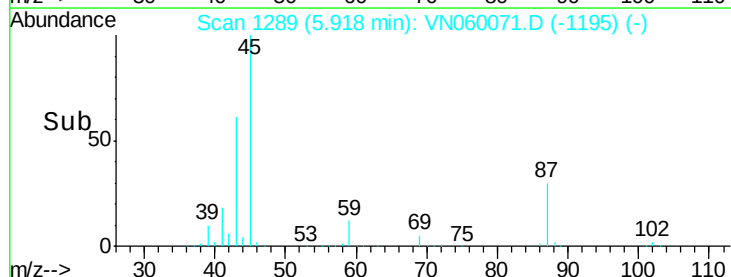
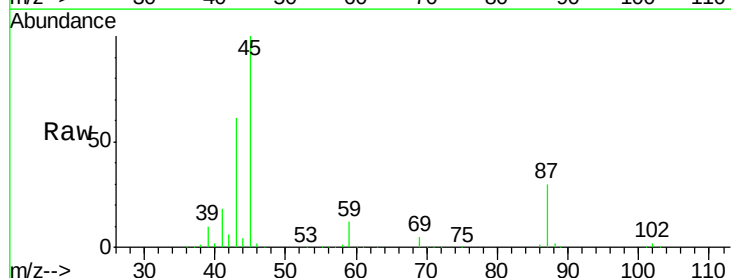
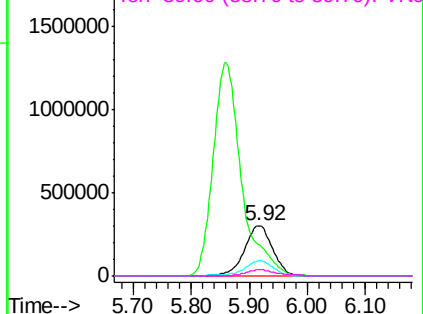
Abundance

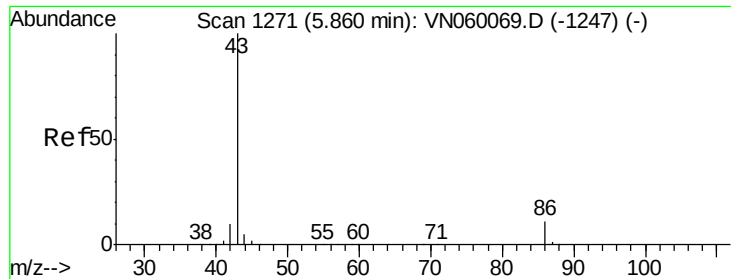
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





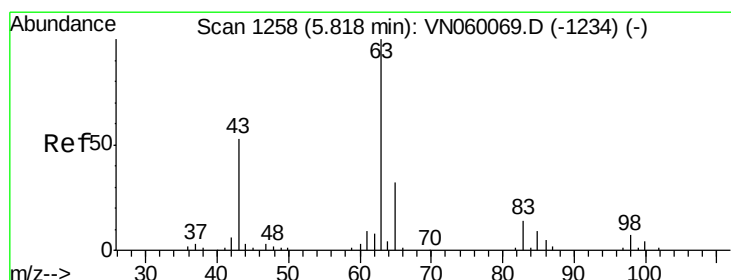
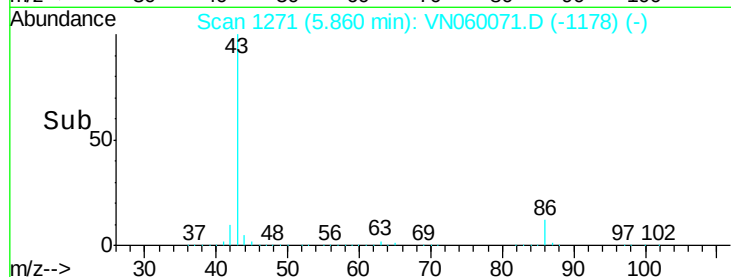
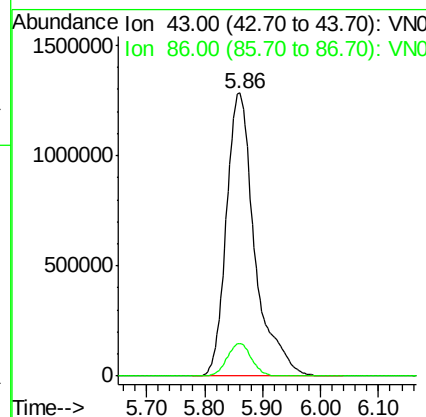
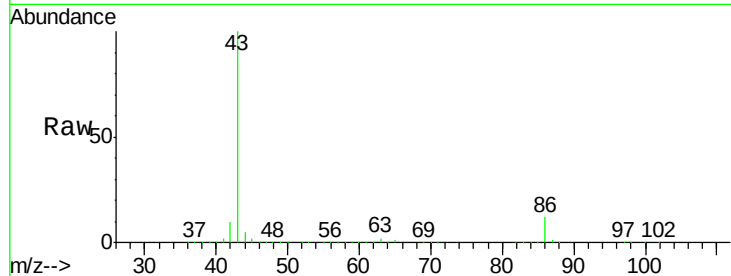
#23
 Vinyl Acetate
 Concen: 787.712 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 43 Resp: 4360632
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.9 13.3

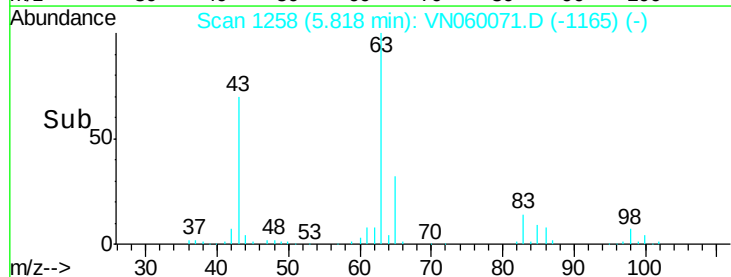
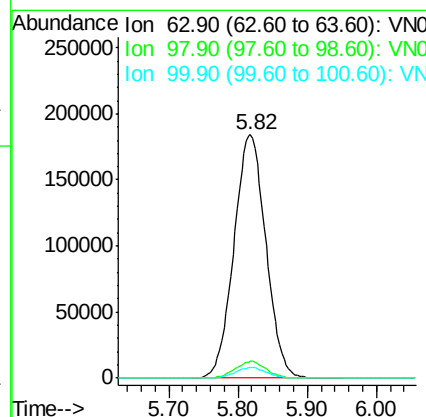
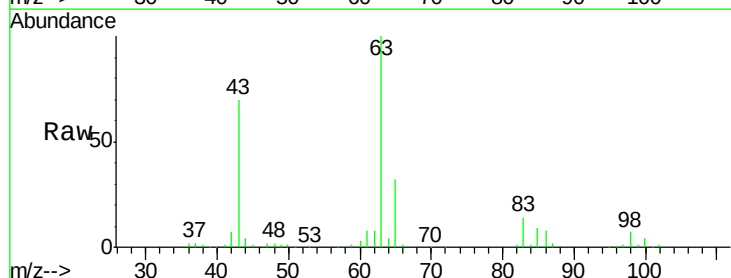
Manual Integrations
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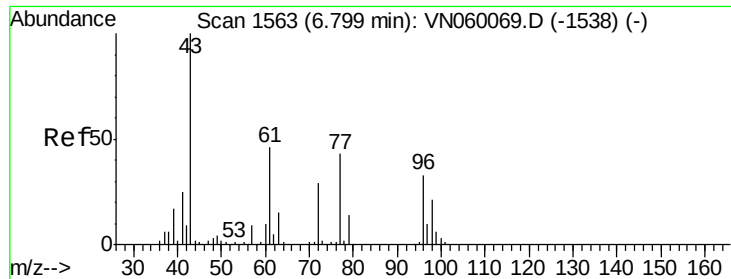
MMDadoda
 2/13/2020 10:37:19 AM



#24
 1,1-Dichloroethane
 Concen: 148.017 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion: 63 Resp: 591093
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.4 2.2 6.6





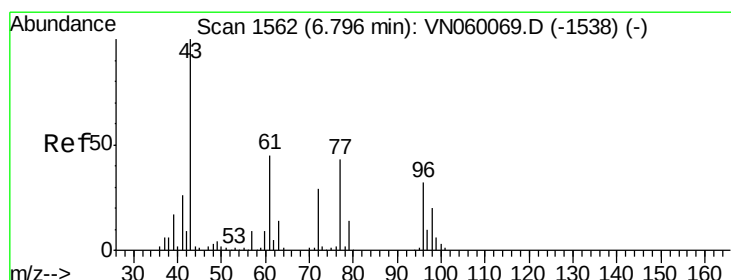
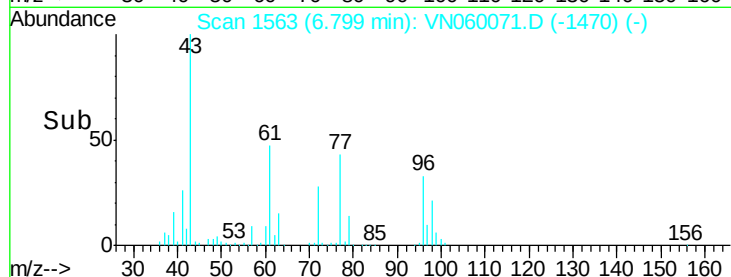
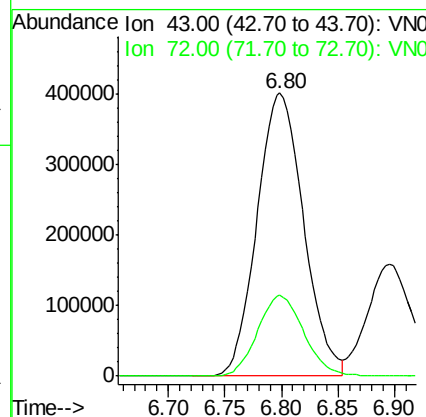
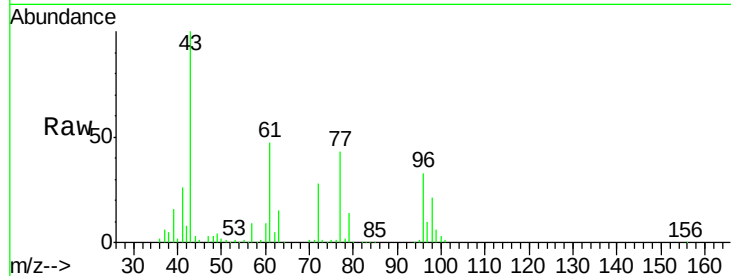
#25
2-Butanone
Concen: 791.711 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1142355
Ion Ratio Lower Upper
43 100
72 28.5 23.3 34.9

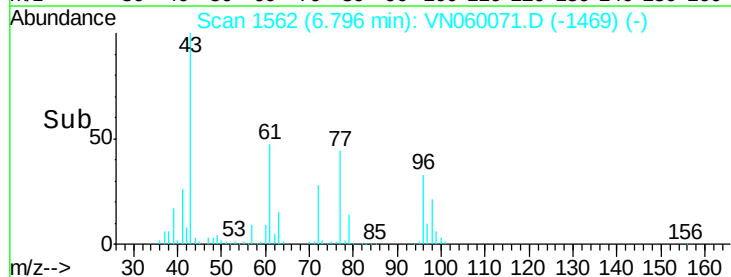
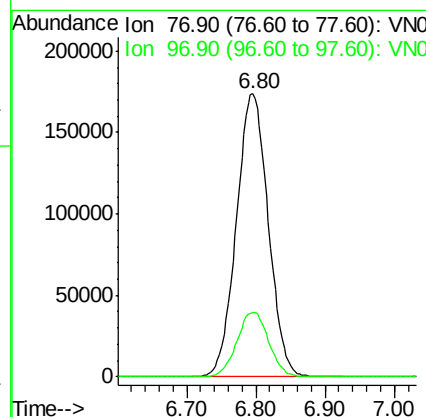
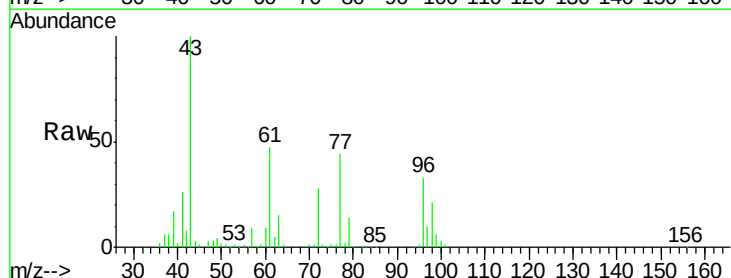
Manual Integrations
APPROVED

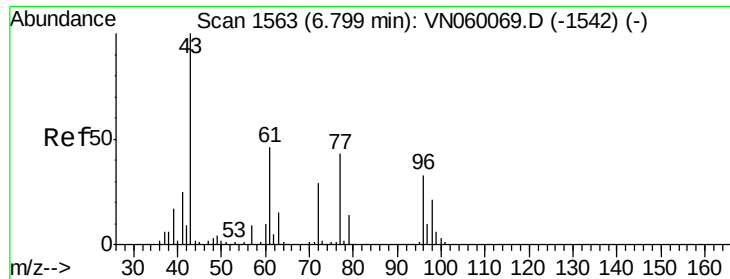
MMDadoda
2/13/2020 10:37:19 AM



#26
2,2-Dichloropropane
Concen: 146.710 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion: 77 Resp: 556470
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

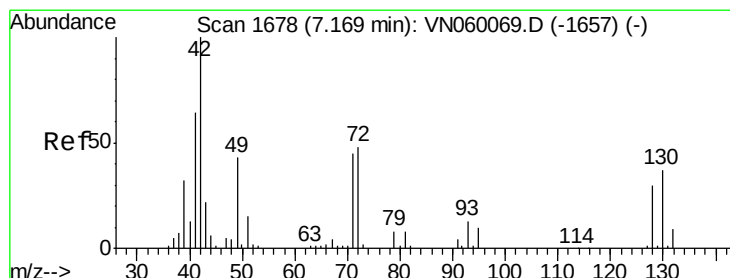
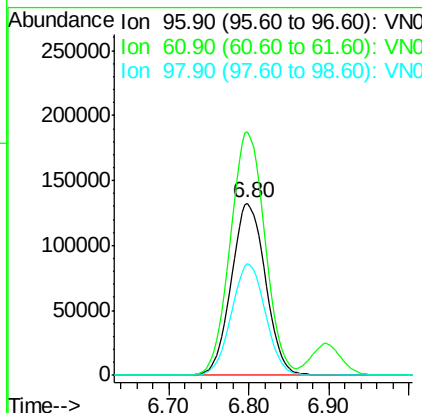
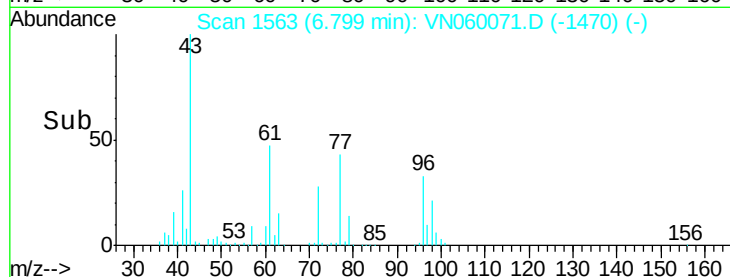
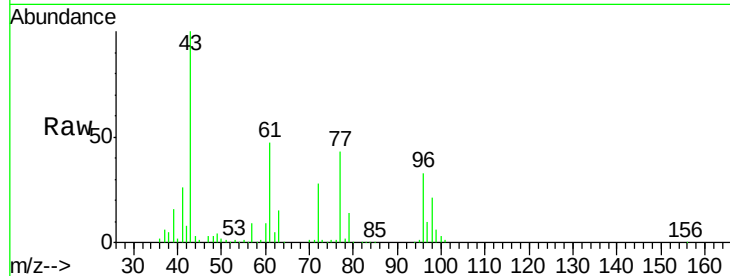
cis-1,2-Dichloroethene
Concen: 146.842 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.8	0.0	285.8	
98	64.6	0.0	129.6	

Manual Integrations
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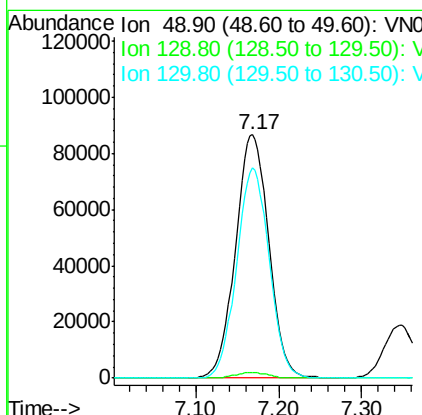
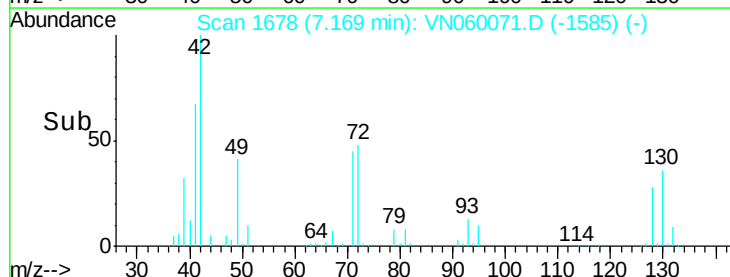
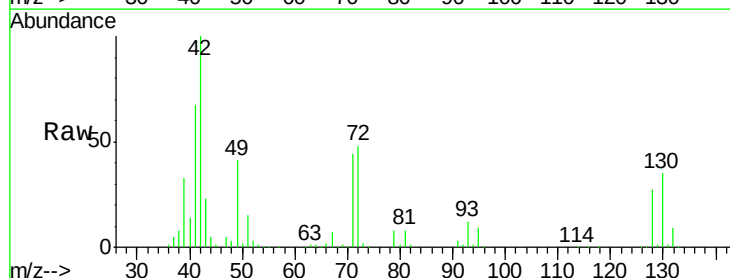
MMDadoda
2/13/2020 10:37:19 AM

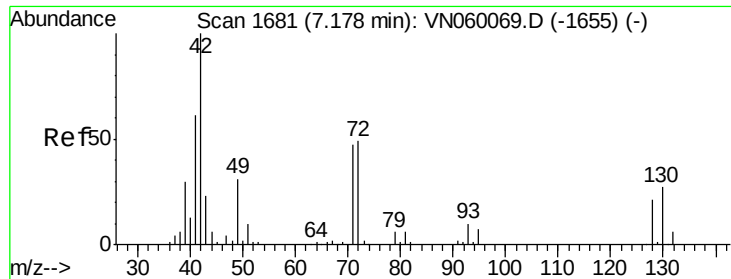


#28

Bromochloromethane
Concen: 154.000 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	2.2#	
130	84.6	66.8	100.2	





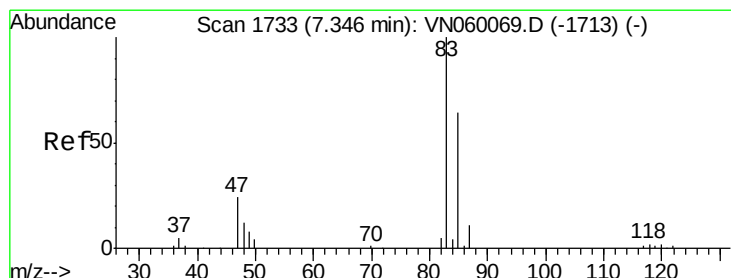
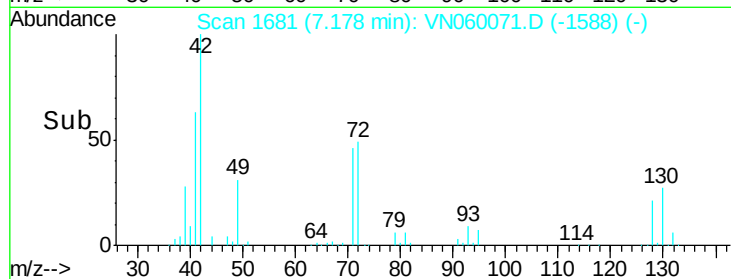
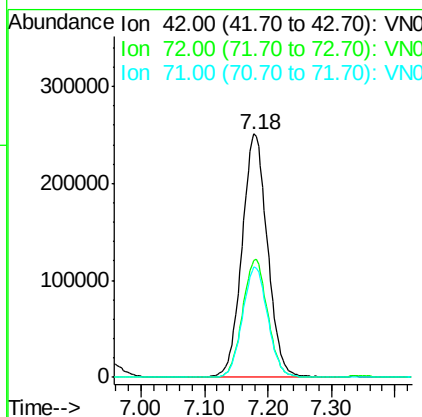
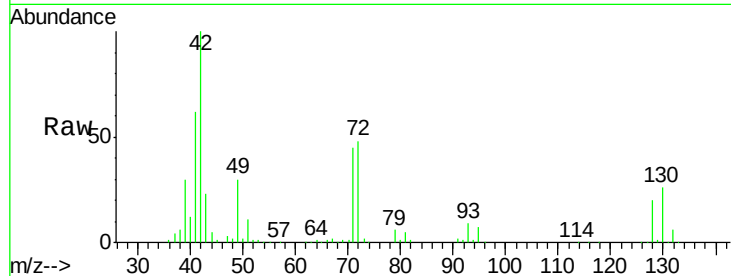
#29
Tetrahydrofuran
Concen: 789.021 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.2	57.4
71	44.9	36.6	54.8

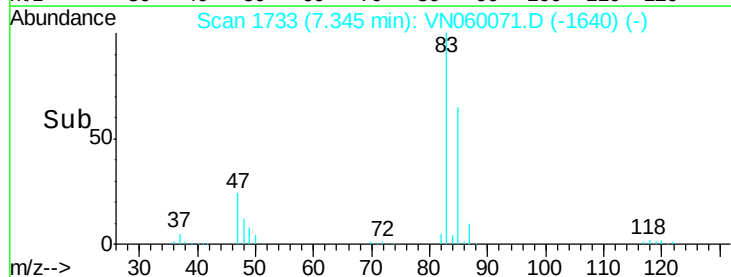
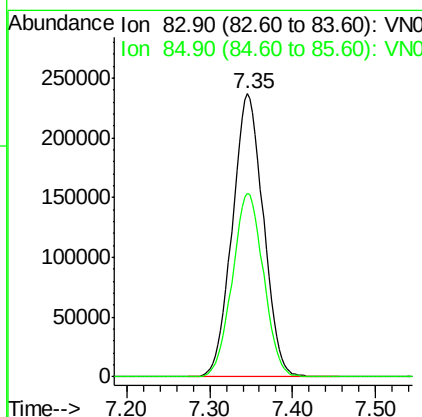
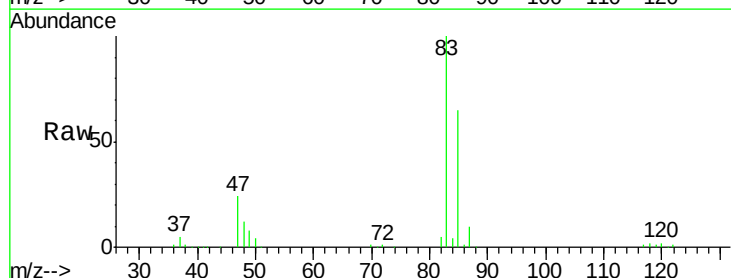
Manual Integrations
APPROVED

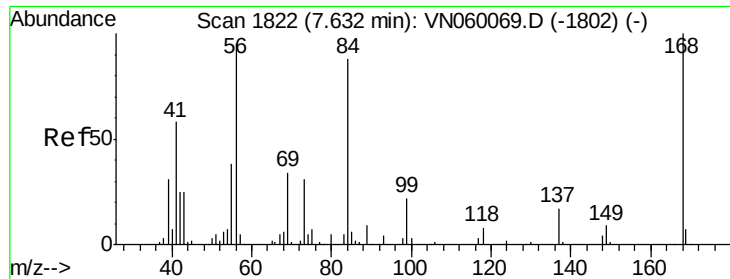
MMDadoda
2/13/2020 10:37:19 AM



#30
Chloroform
Concen: 147.392 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0





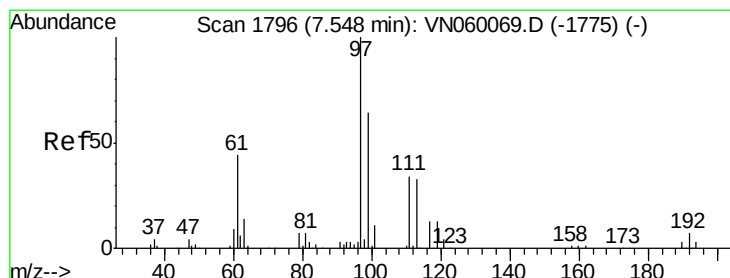
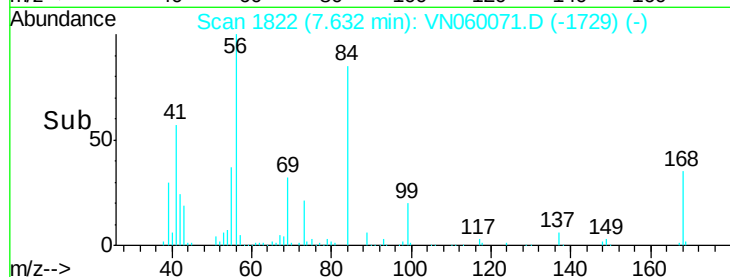
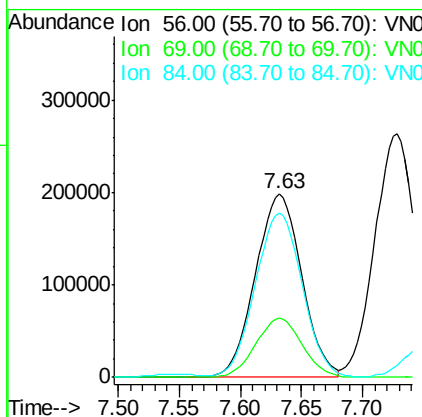
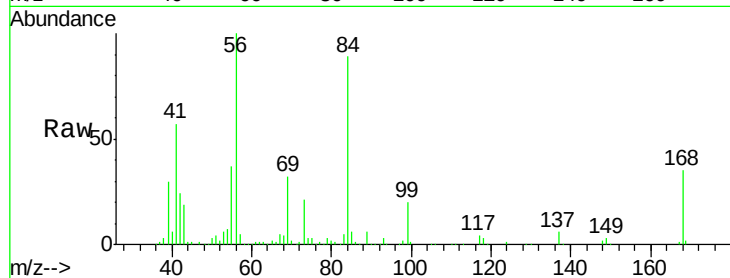
#31
Cyclohexane
Concen: 140.946 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	28.3	42.5
84	87.7	72.6	108.8

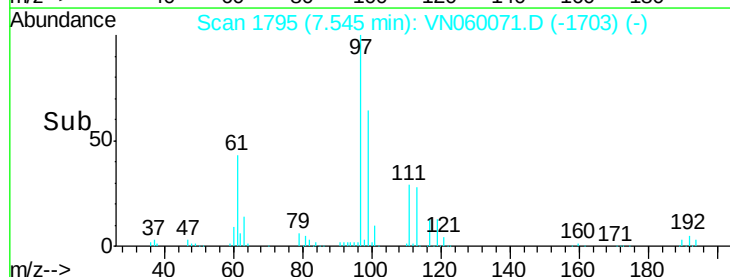
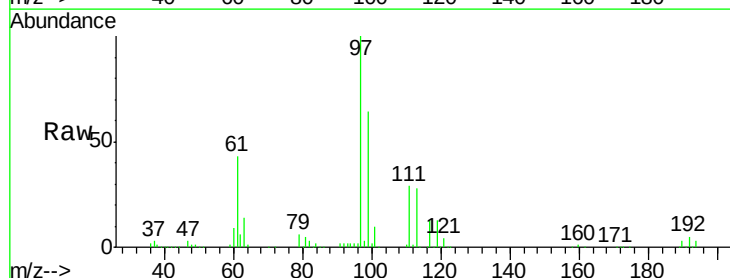
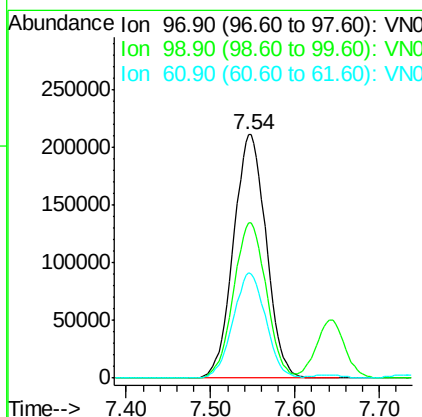
Manual Integrations
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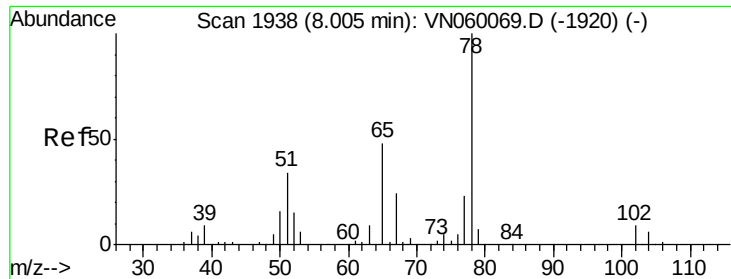
MMDadoda
2/13/2020 10:37:19 AM



#32
1,1,1-Trichloroethane
Concen: 148.582 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	43.1	34.9	52.3





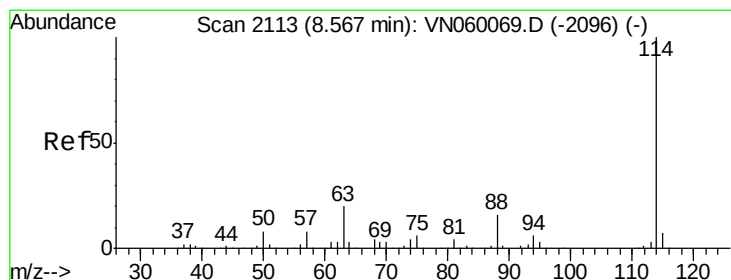
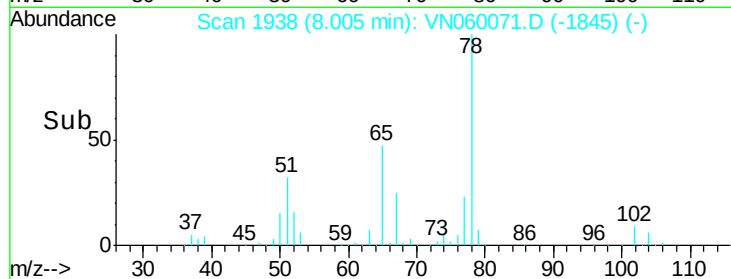
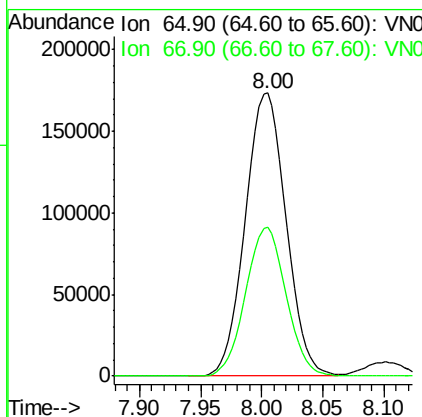
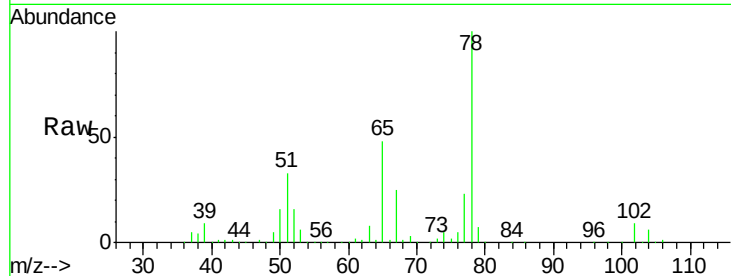
#33
 1,2-Dichloroethane-d4
 Concen: 152.873 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	104.0	

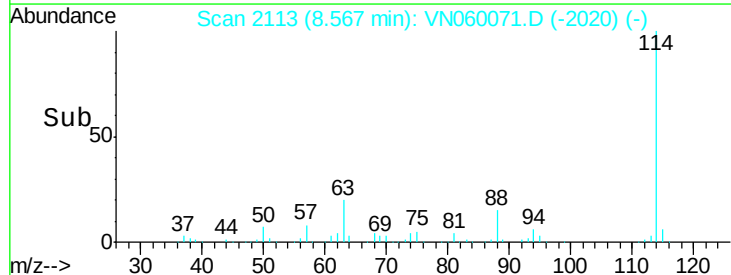
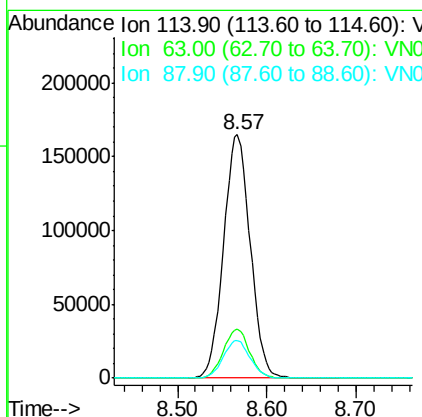
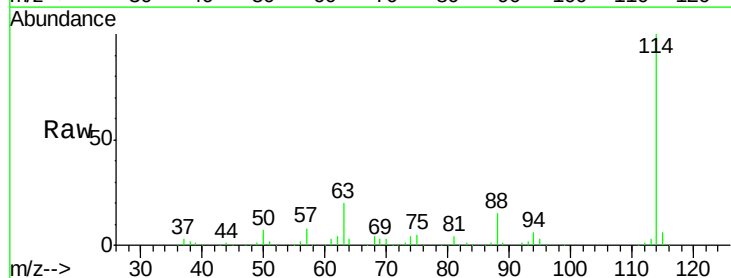
Manual Integrations
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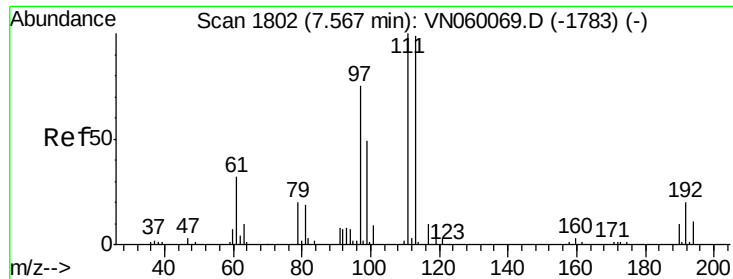
MMDadoda
 2/13/2020 10:37:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	40.0	
88	15.5	0.0	31.6	





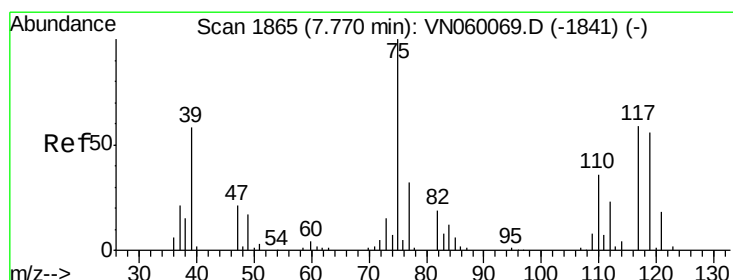
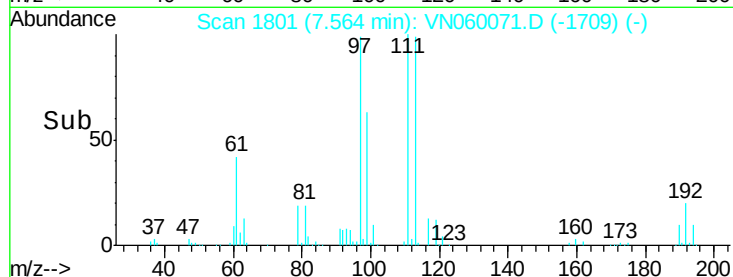
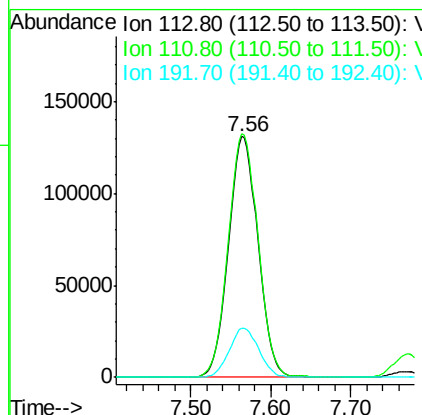
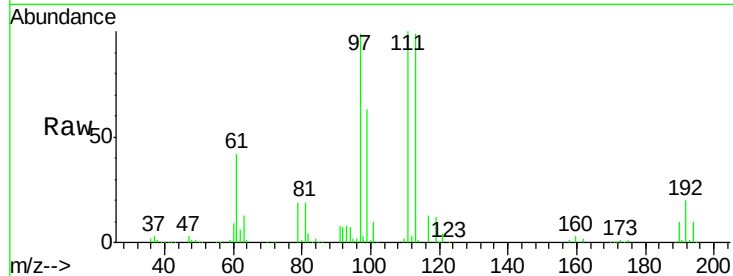
#35
 Dibromofluoromethane
 Concen: 156.553 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	328441		
111	102.0	81.4	122.2	
192	20.5	16.2	24.2	

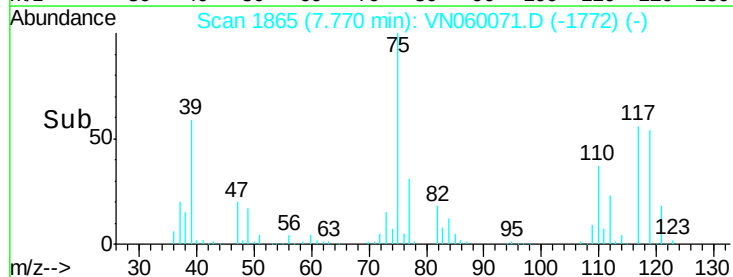
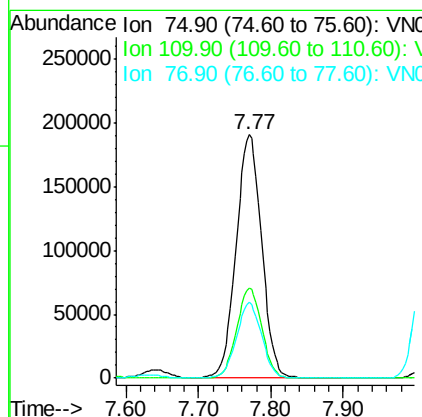
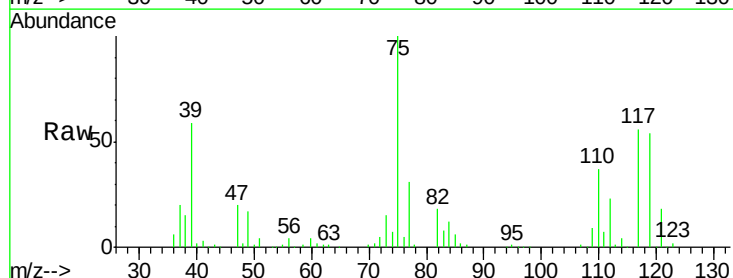
Manual Integrations
 APPROVED

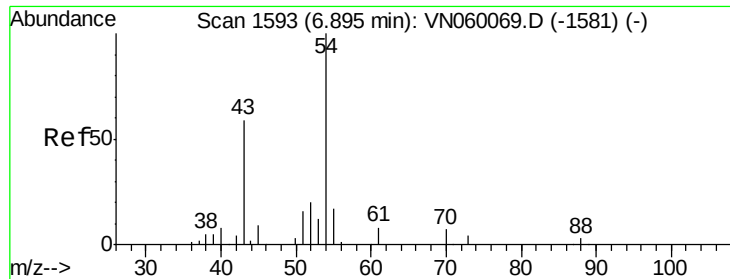
MMDadoda
 2/13/2020 10:37:19 AM



#36
 1,1-Dichloropropene
 Concen: 147.761 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	467104		
110	36.3	18.1	54.3	
77	30.8	25.1	37.7	





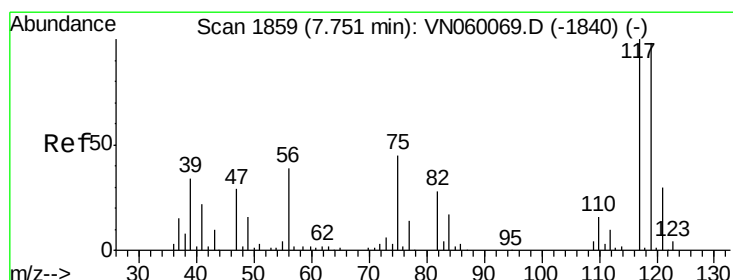
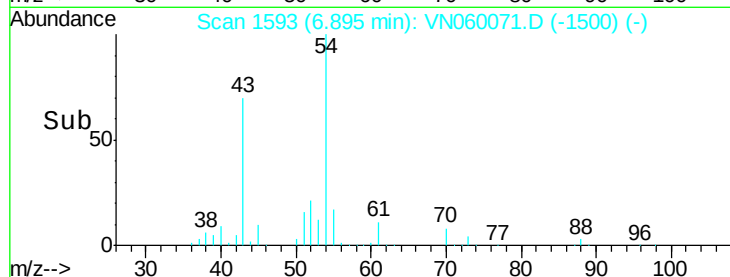
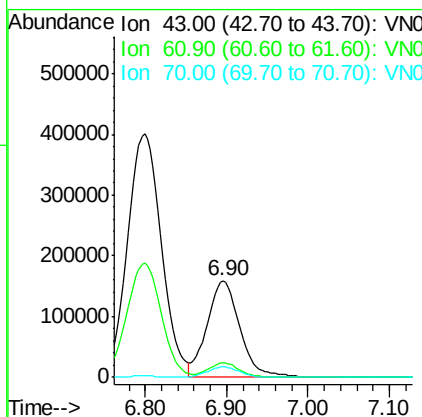
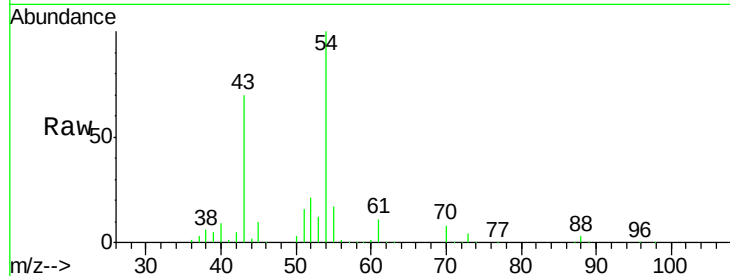
#37
Ethyl Acetate
Concen: 156.580 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	43	61	70
Resp	447352		
Ion Ratio	100	14.6	11.0
Lower		11.4	8.7
Upper		17.2	13.1

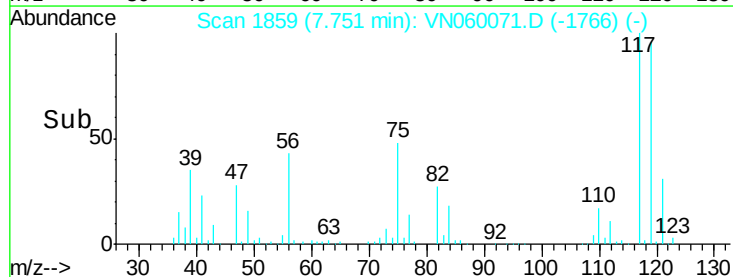
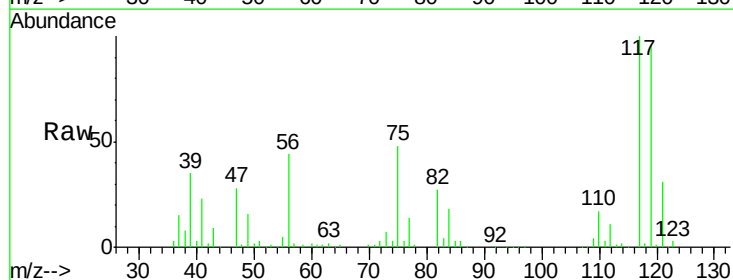
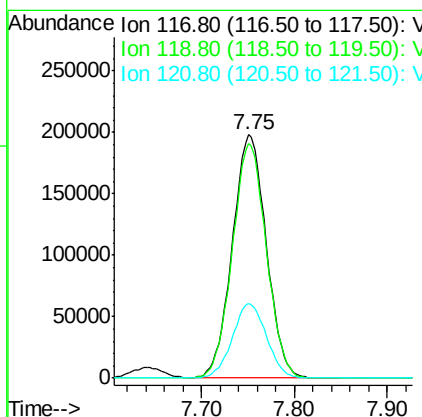
Manual Integrations
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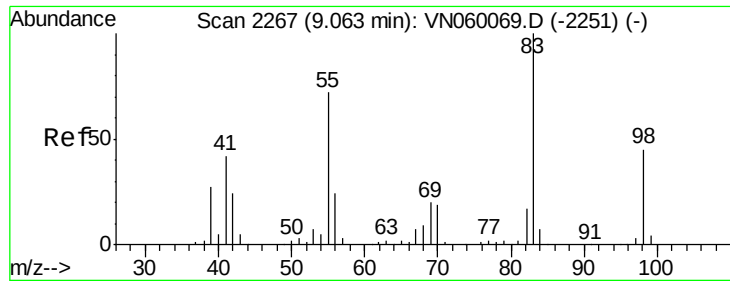
MMDadoda
2/13/2020 10:37:19 AM



#38
Carbon Tetrachloride
Concen: 146.463 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	117	119	121
Resp	502840		
Ion Ratio	100	96.3	30.8
Lower		78.2	24.2
Upper		117.4	36.2





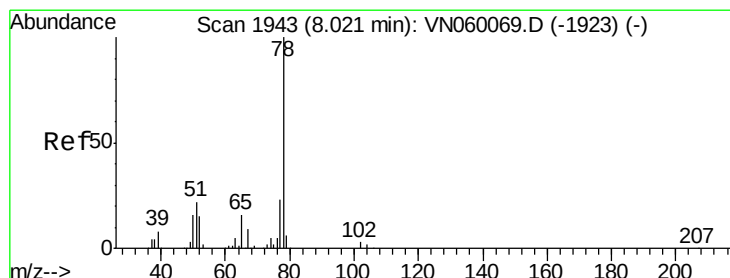
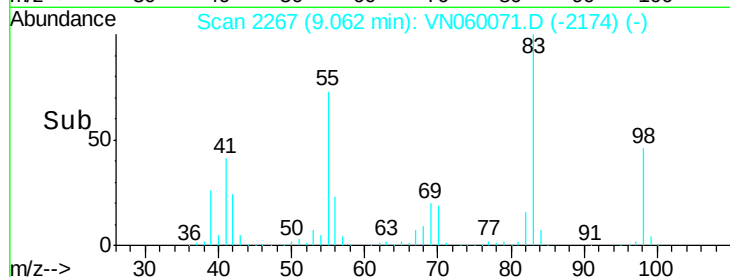
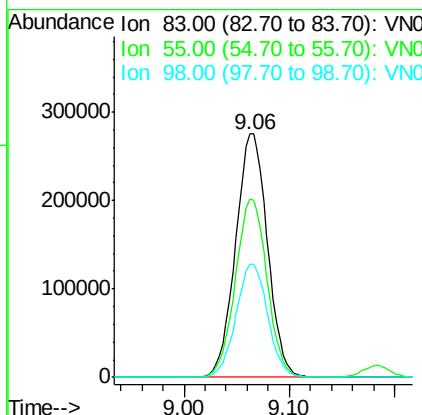
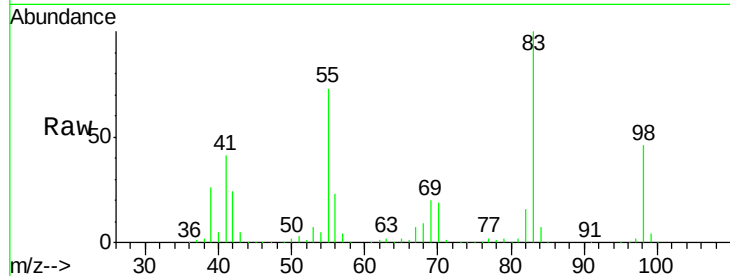
#39
Methylvlcyclohexane
Concen: 147.159 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	577470
Ion Ratio	100	Lower	Upper
83	100		
55	73.1	57.8	86.8
98	46.2	36.4	54.6

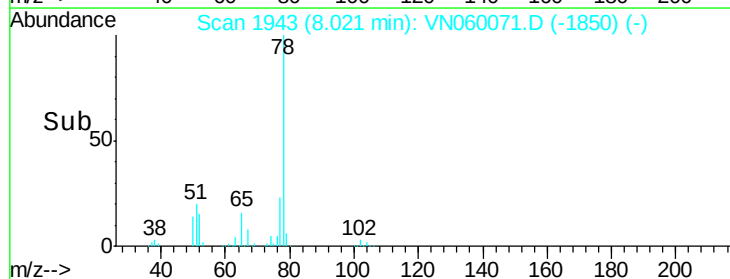
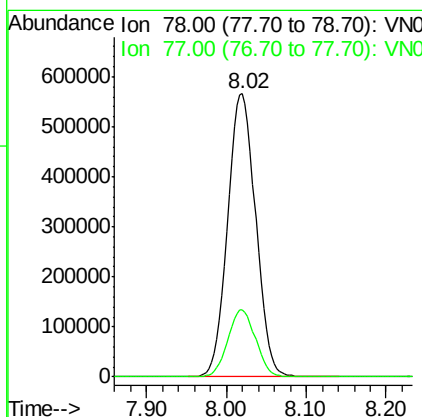
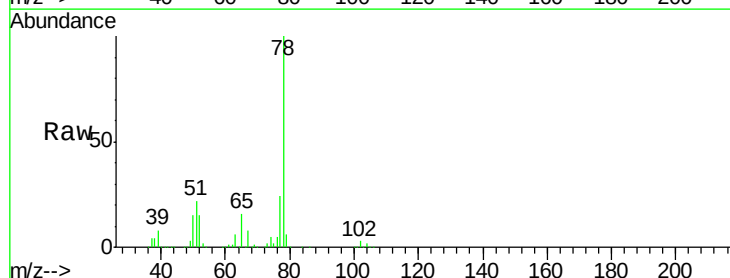
Manual Integrations
APPROVED

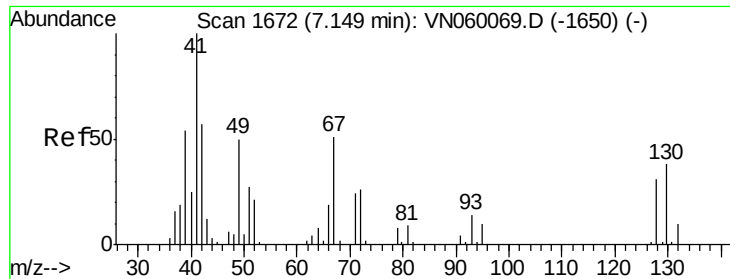
MMDadoda
2/13/2020 10:37:19 AM



#40
Benzene
Concen: 144.539 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	78	Resp	1355403
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2





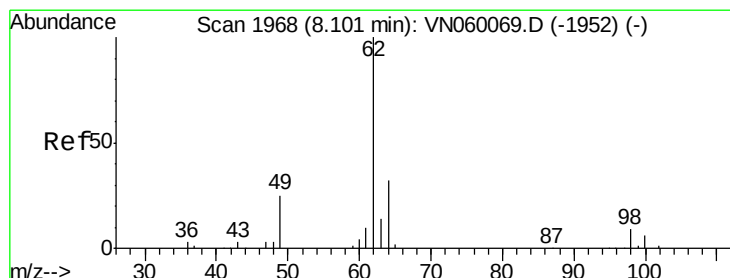
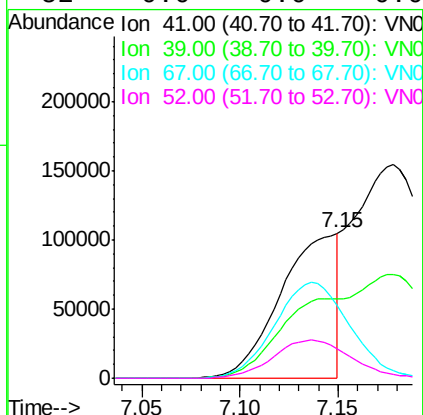
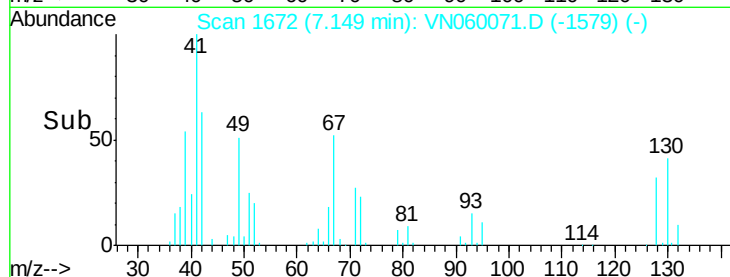
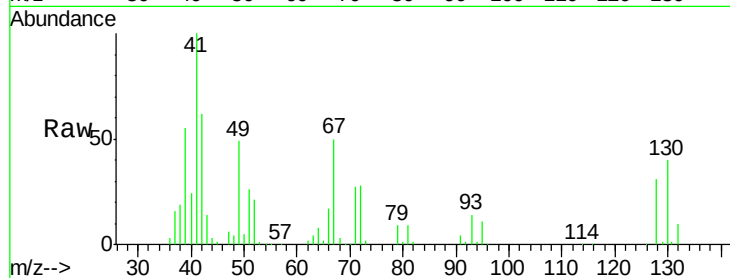
#41
Methacrylonitrile
Concen: 66.882 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	210511
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

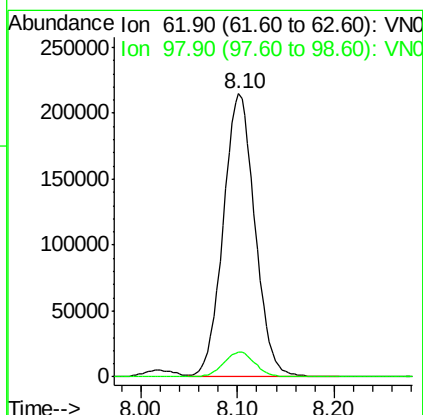
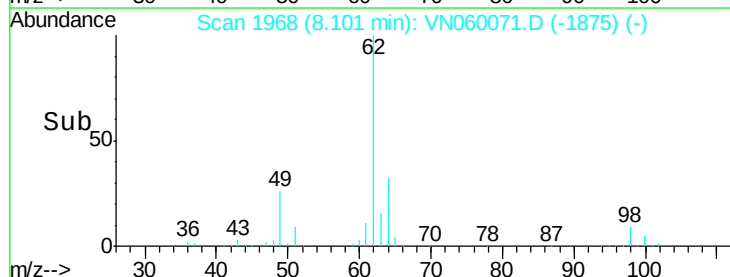
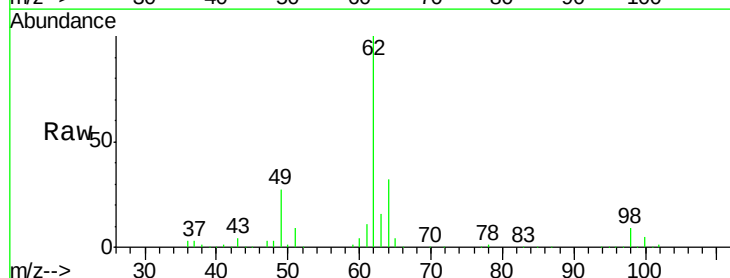
Manual Integrations
APPROVED

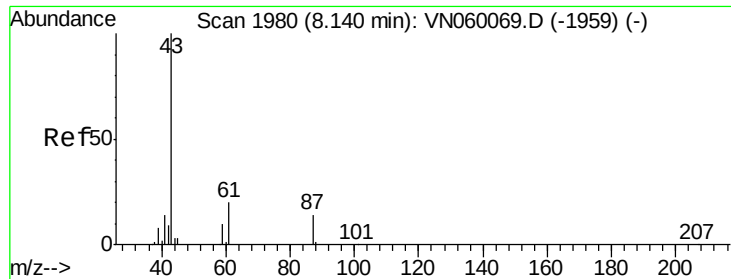
MMDadoda
2/13/2020 10:37:19 AM



#42
1,2-Dichloroethane
Concen: 148.117 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	62	Resp	486804
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	18.2





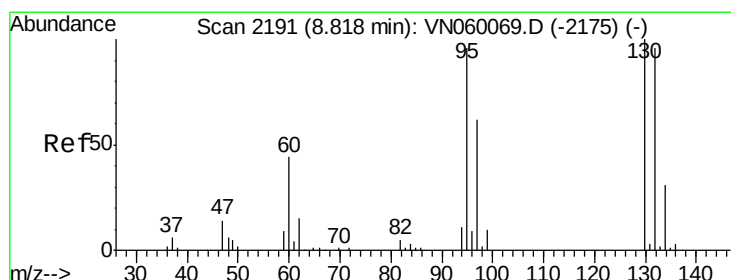
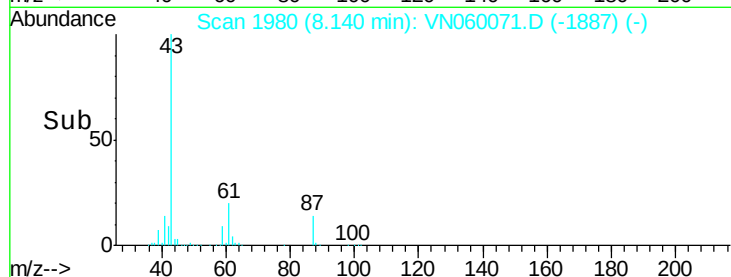
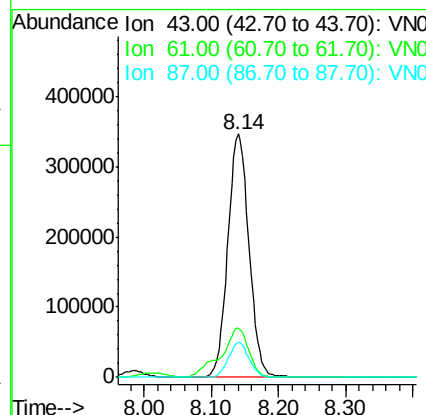
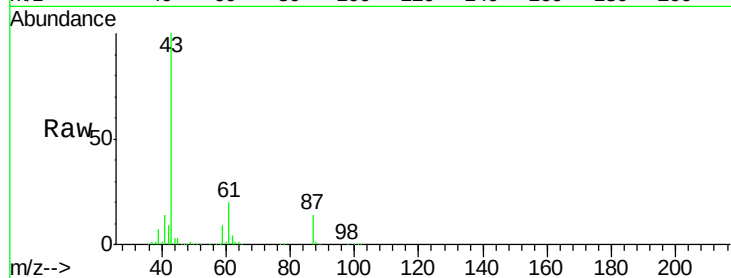
#43
Isopropyl Acetate
Concen: 155.289 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.8	32.6
87	14.1	11.4	17.2

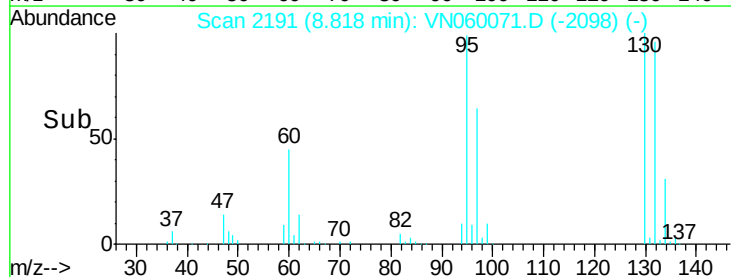
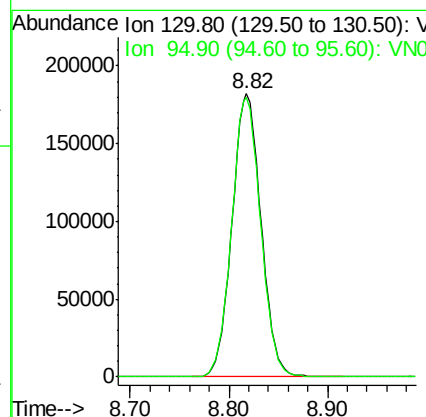
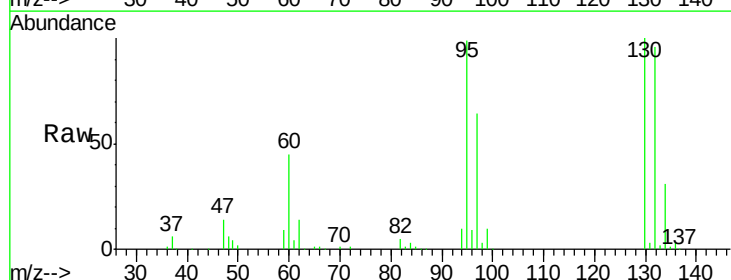
Manual Integrations
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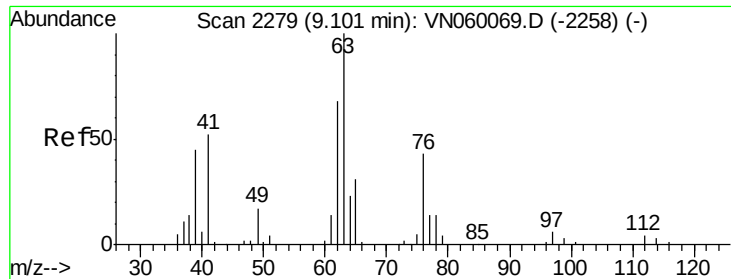
MMDadoda
2/13/2020 10:37:19 AM



#44
Trichloroethene
Concen: 143.858 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	192.4





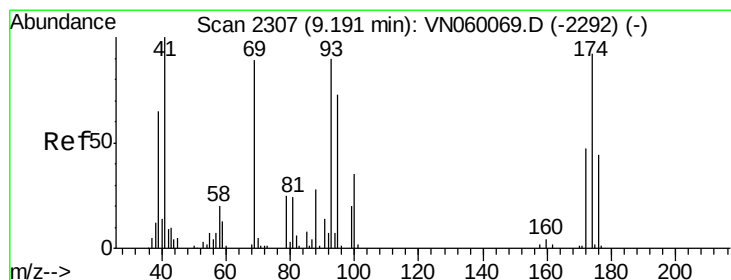
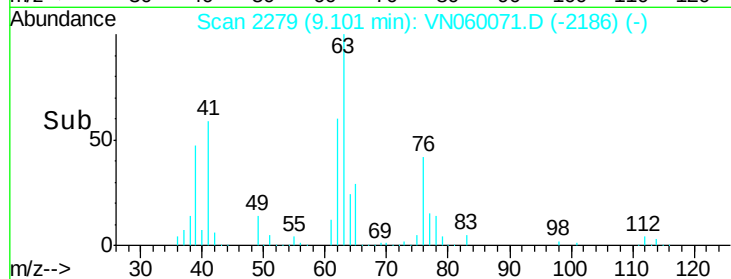
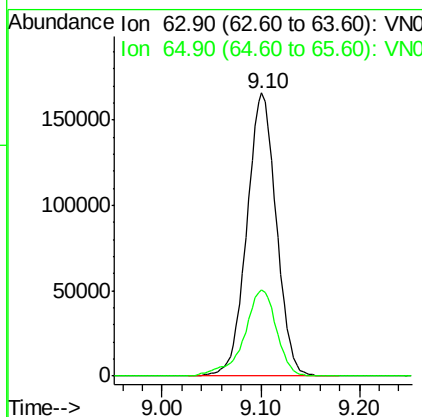
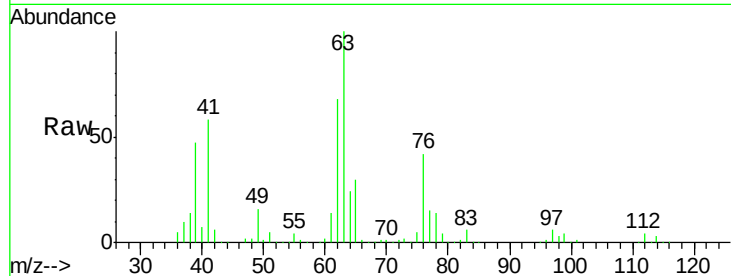
#45
 1,2-Dichloropropane
 Concen: 146.949 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 341156
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

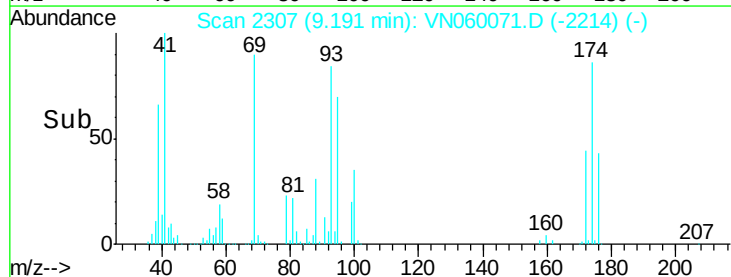
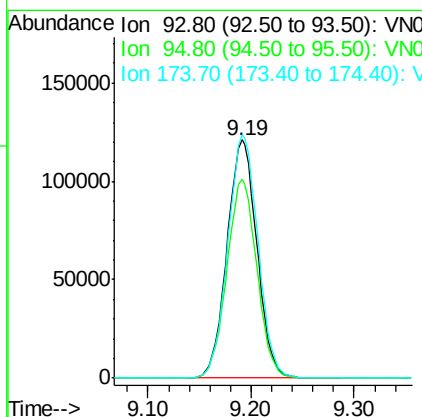
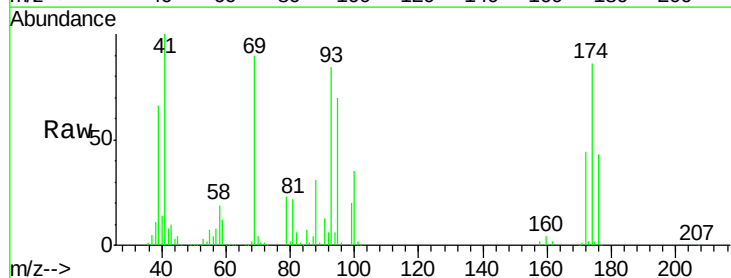
Manual Integrations
 APPROVED

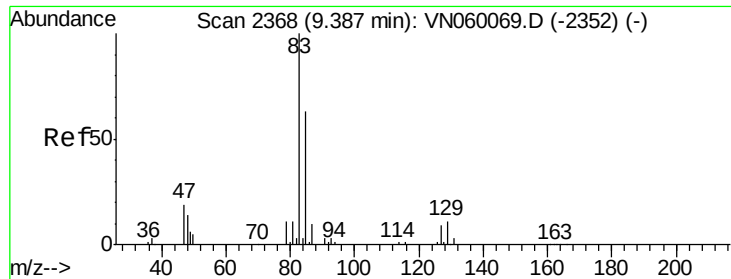
MMDadoda
 2/13/2020 10:37:19 AM



#46
 Dibromomethane
 Concen: 149.017 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion: 93 Resp: 244479
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.6
 174 102.9 82.3 123.5





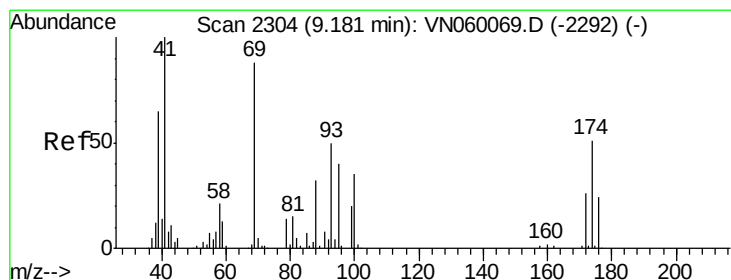
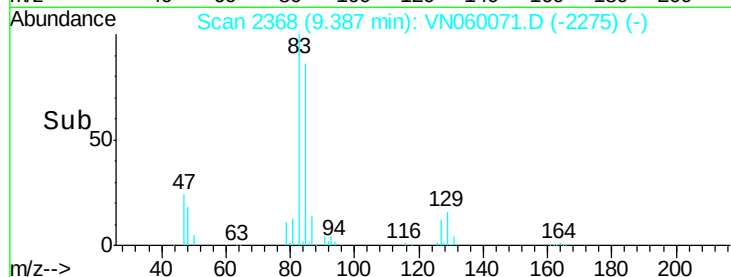
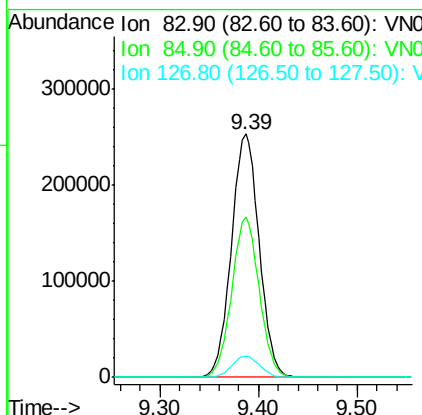
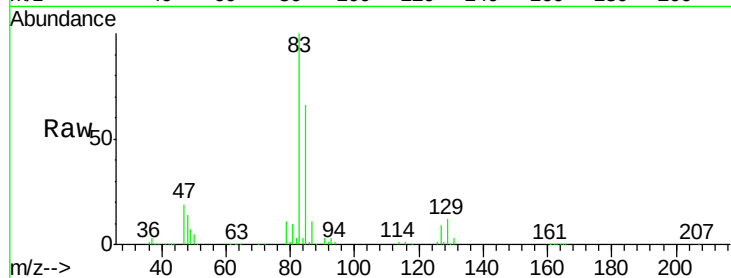
#47
Bromodichloromethane
Concen: 148.746 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	496140
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	50.6	75.8
127	8.8	7.0	10.6

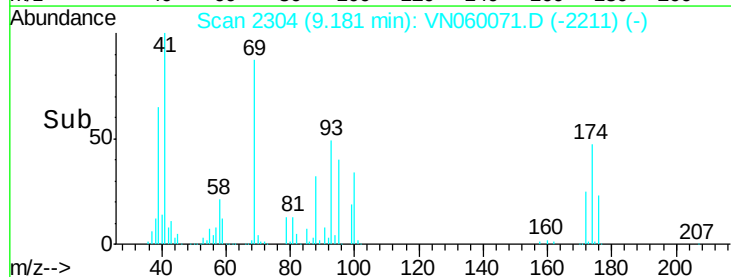
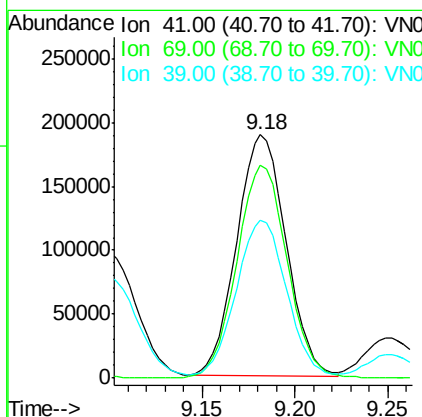
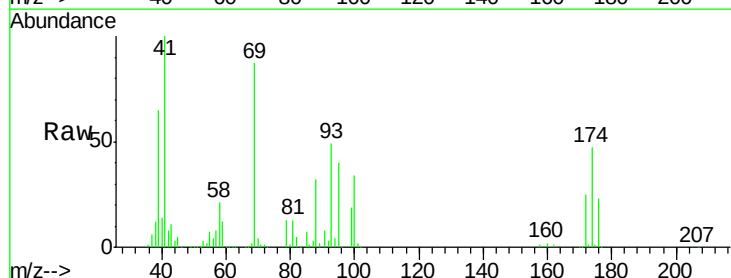
Manual Integrations
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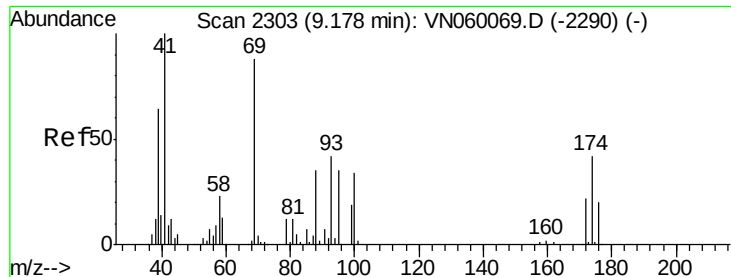
MMDadoda
2/13/2020 10:37:19 AM



#48
Methyl methacrylate
Concen: 158.843 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	41	Resp	348061
Ion Ratio	100	Lower	Upper
41	100		
69	90.4	72.0	108.0
39	65.0	54.1	81.1





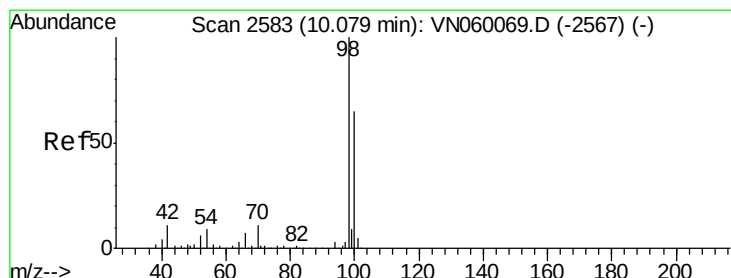
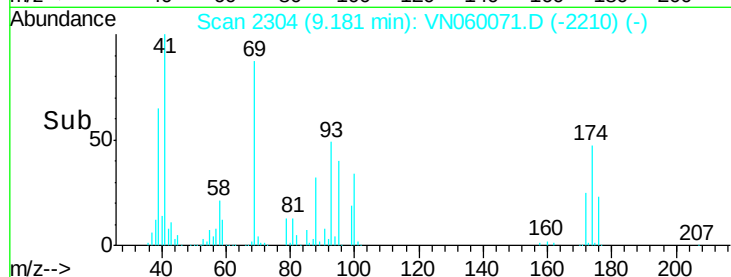
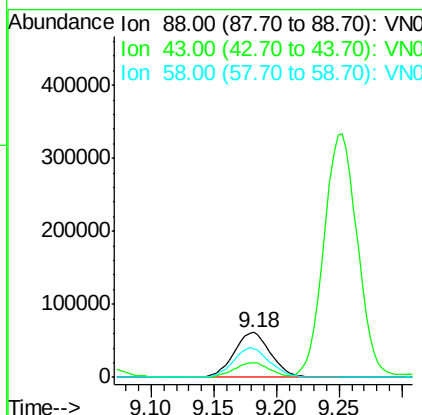
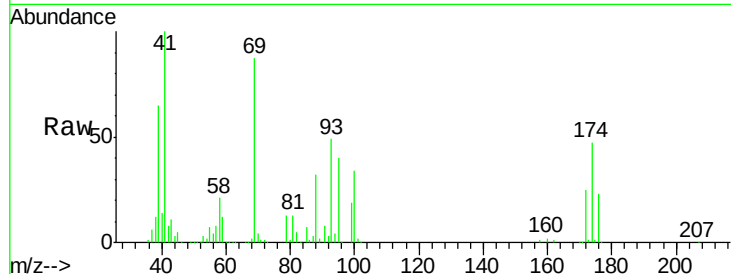
#49
1,4-Dioxane
Concen: 3326.662 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	124547
Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.2	39.2
58	65.1	53.2	79.8

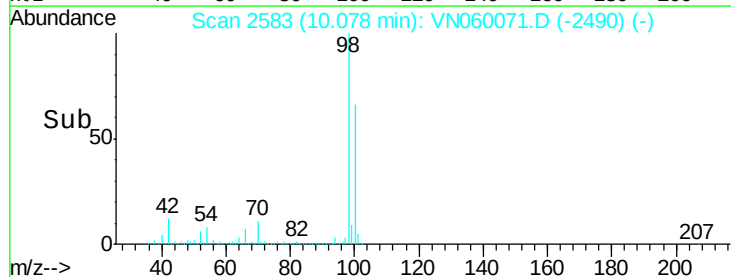
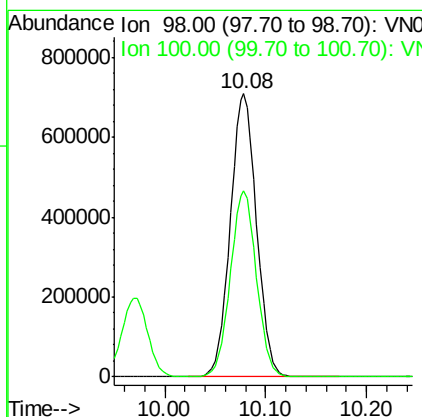
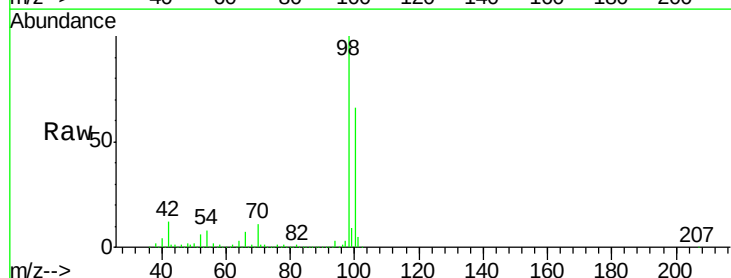
Manual Integrations
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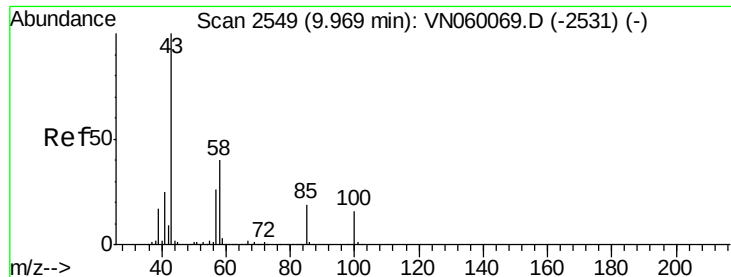
MMDadoda
2/13/2020 10:37:19 AM



#50
Toluene-d8
Concen: 154.709 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	98	Resp	1278145
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5





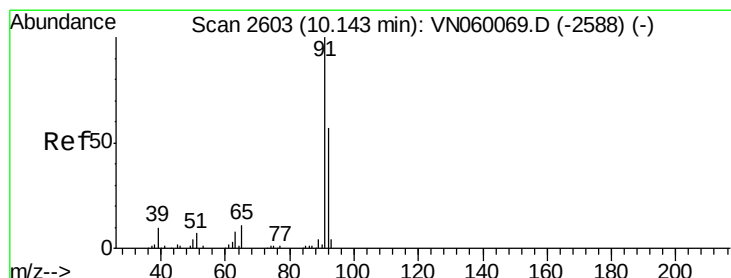
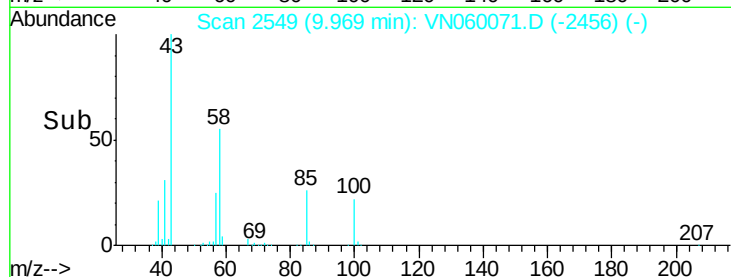
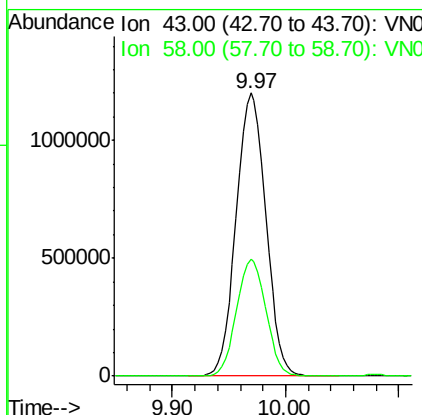
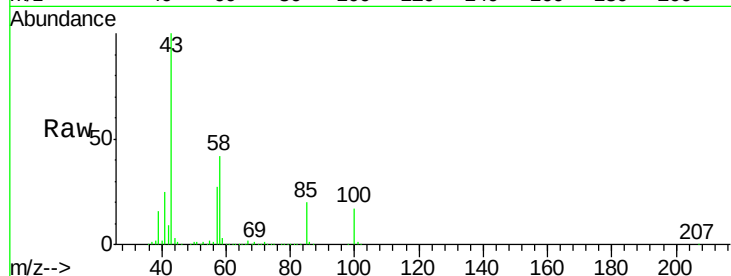
#51
4-Methyl-2-Pentanone
Concen: 779.391 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2203222
Ion Ratio Lower Upper
43 100
58 40.9 31.8 47.8

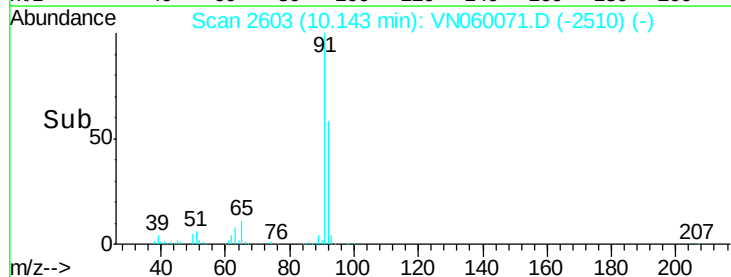
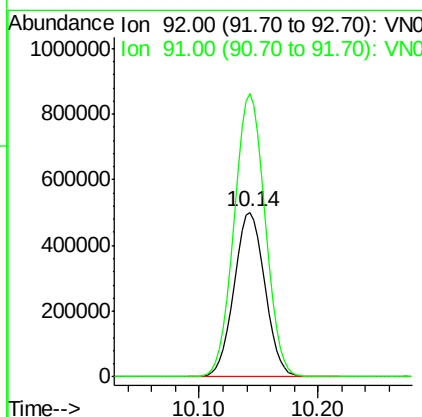
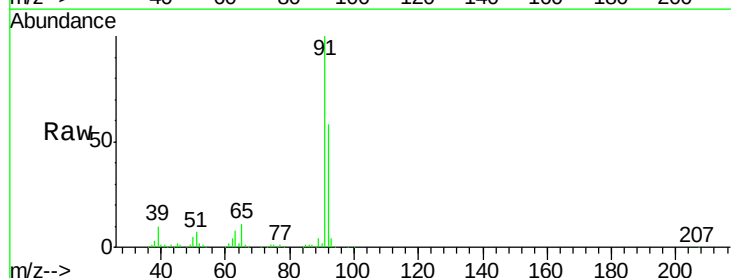
Manual Integrations
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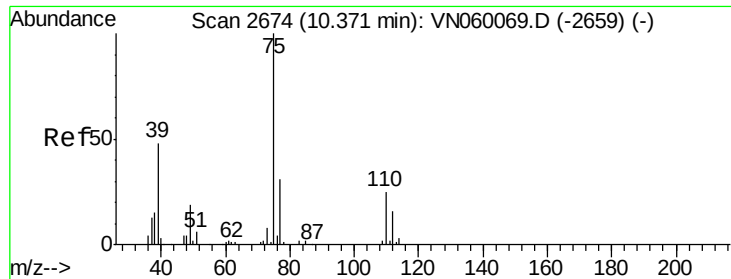
MMDadoda
2/13/2020 10:37:19 AM



#52
Toluene
Concen: 149.477 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion: 92 Resp: 898862
Ion Ratio Lower Upper
92 100
91 173.1 140.9 211.3





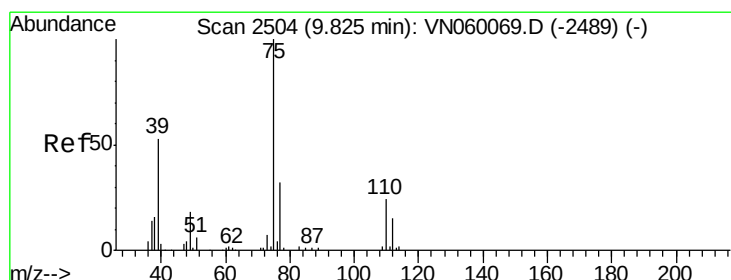
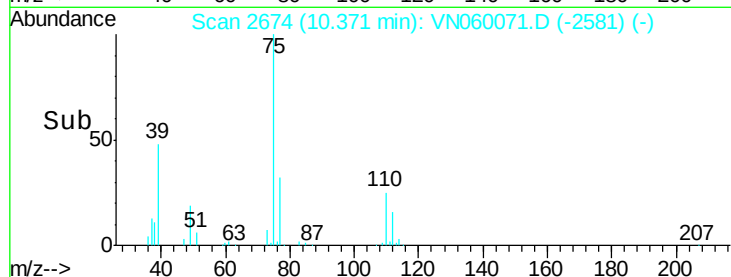
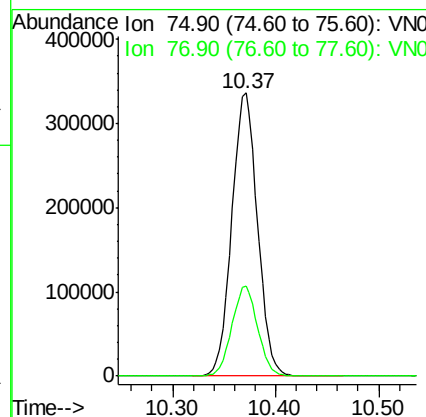
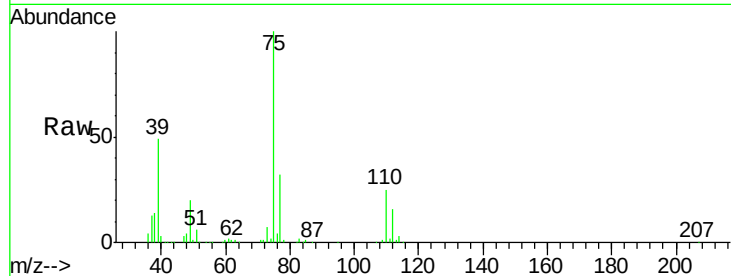
#53
t-1,3-Dichloropropene
Concen: 154.919 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	75	Resp	583265
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.4	38.0

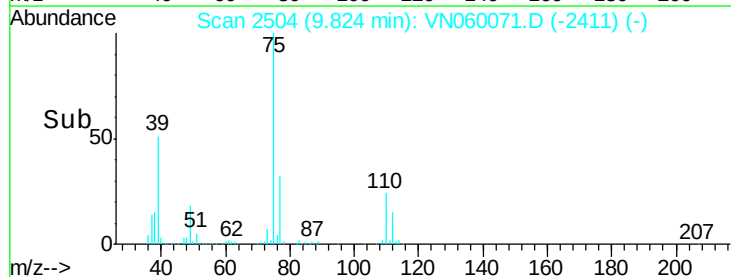
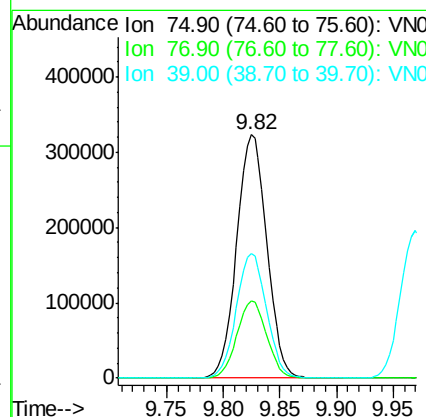
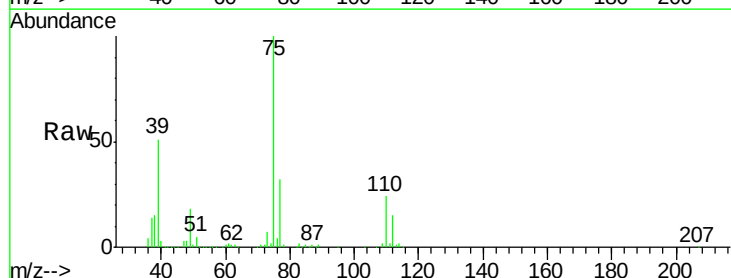
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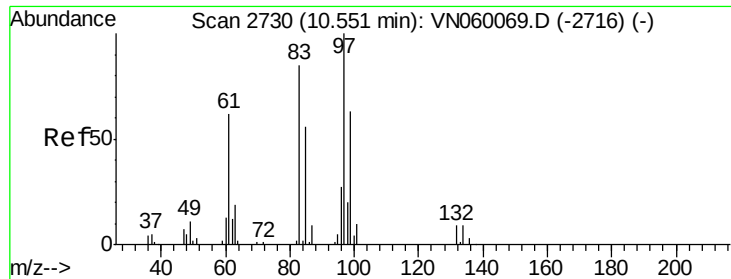
MMDadoda
2/13/2020 10:37:19 AM



#54
cis-1,3-Dichloropropene
Concen: 151.484 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	75	Resp	600566
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.6	38.4
39	51.4	42.2	63.4





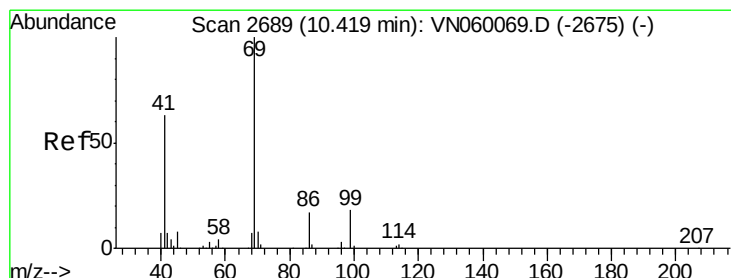
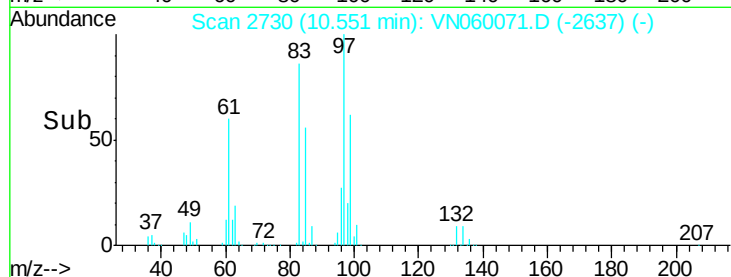
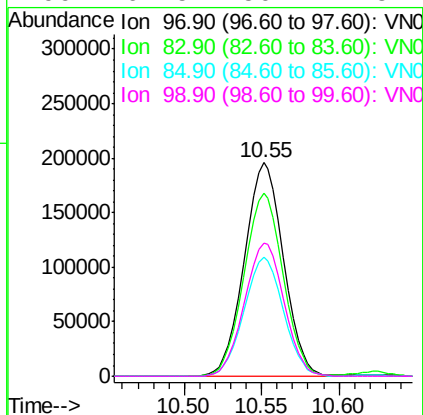
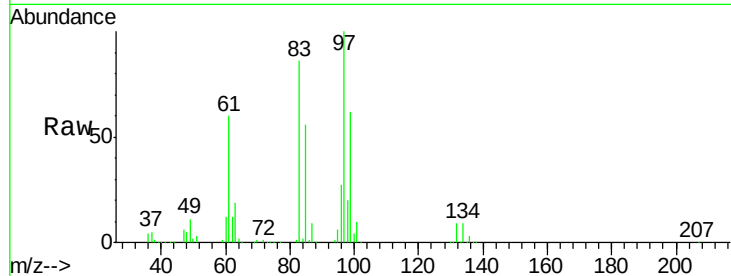
#55
 1,1,2-Trichloroethane
 Concen: 147.194 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	345313
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.9	101.9
85	55.7	44.6	67.0
99	62.5	50.1	75.1

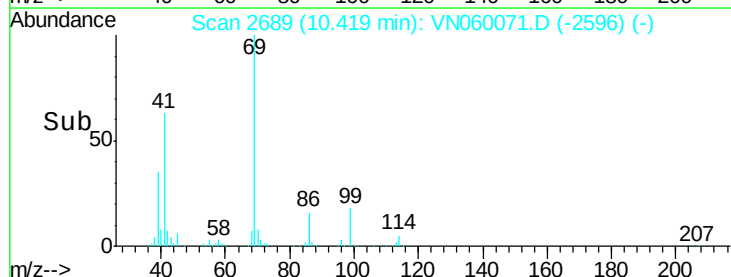
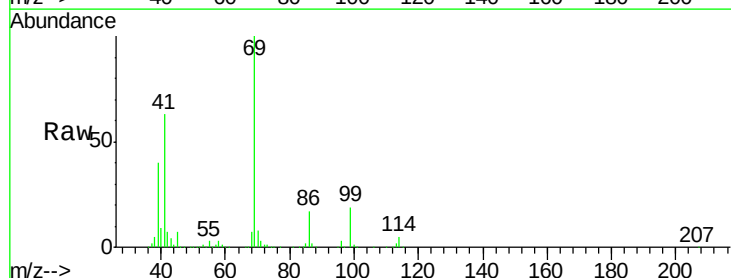
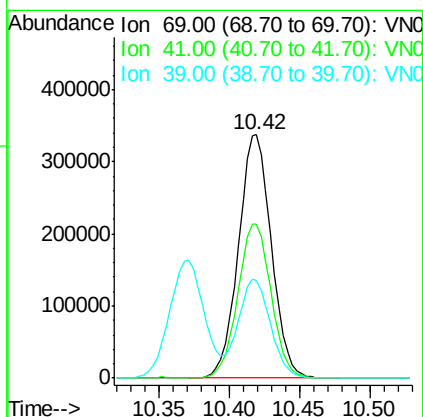
Manual Integrations
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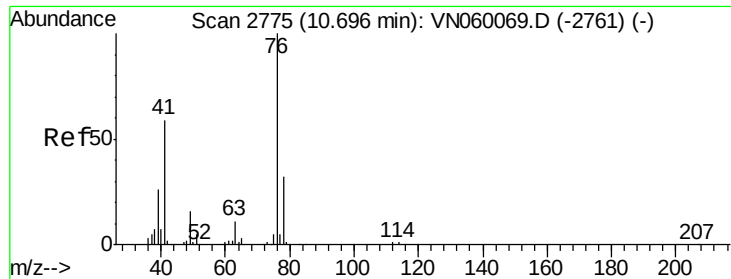
MMDadoda
 2/13/2020 10:37:19 AM



#56
 Ethyl methacrylate
 Concen: 166.384 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion:	69	Resp:	552174
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.1	76.7
39	40.5	33.8	50.8





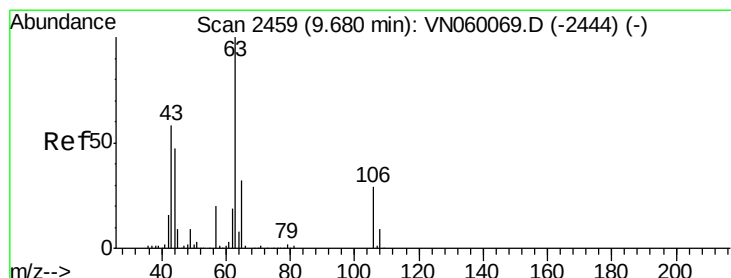
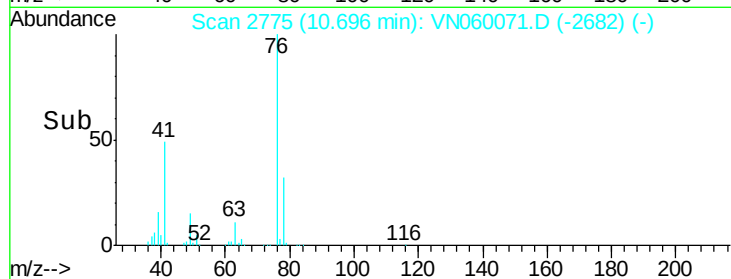
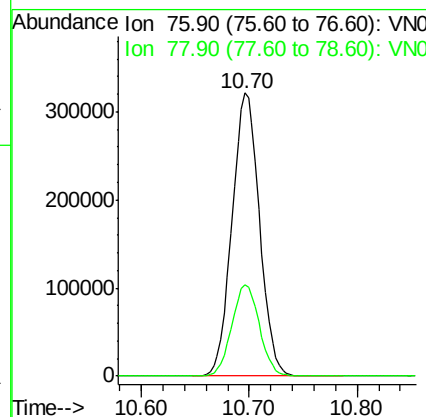
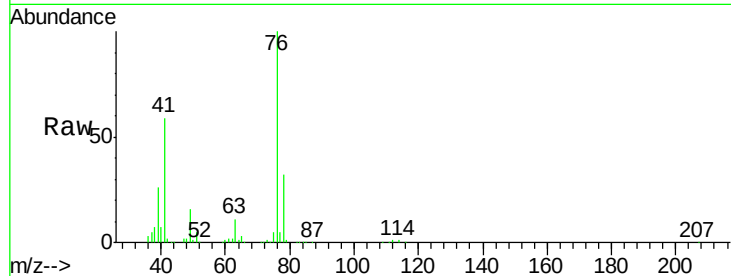
#57
 1,3-Dichloropropane
 Concen: 147.335 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

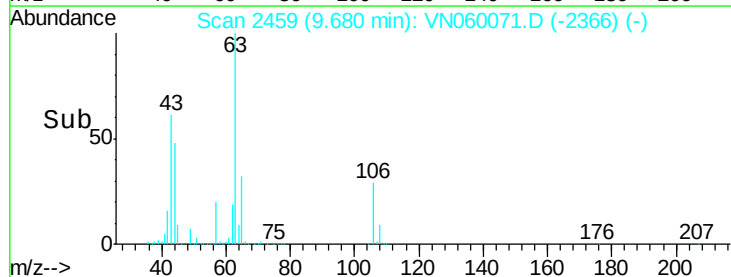
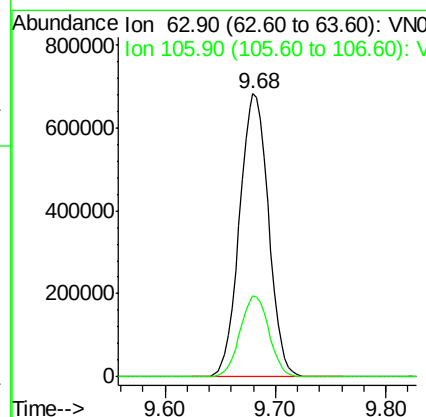
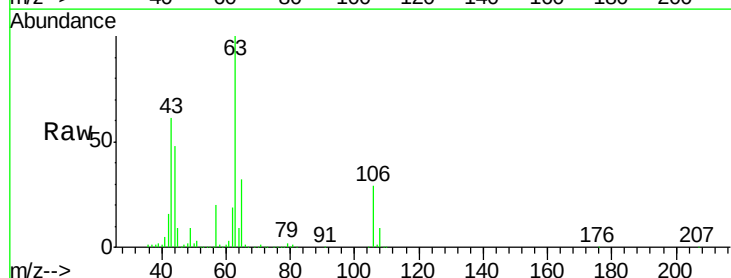
Manual Integrations
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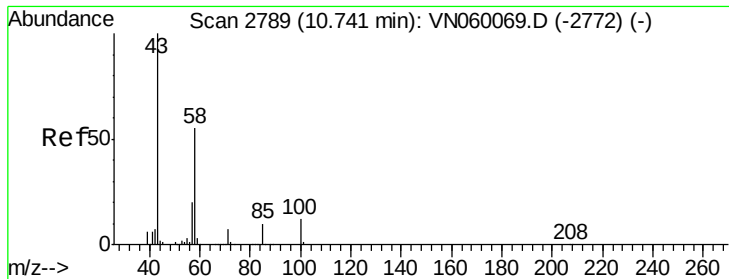
MMDadoda
 2/13/2020 10:37:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 801.512 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.9	34.3





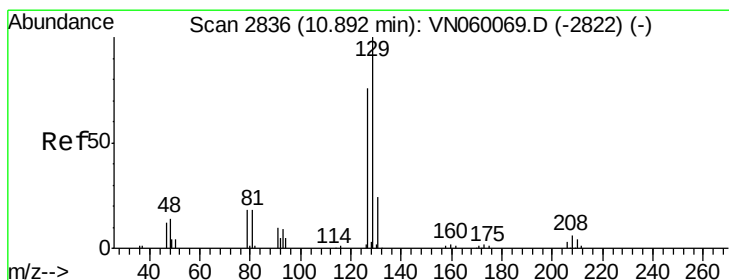
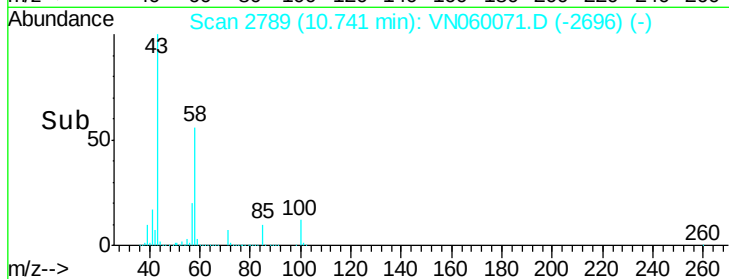
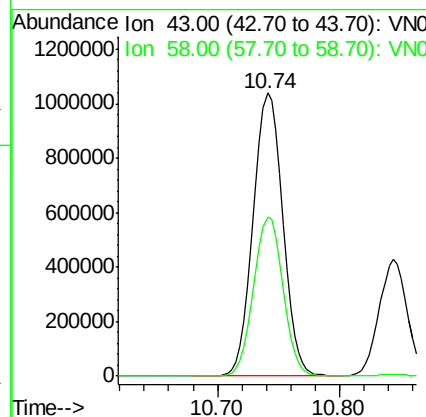
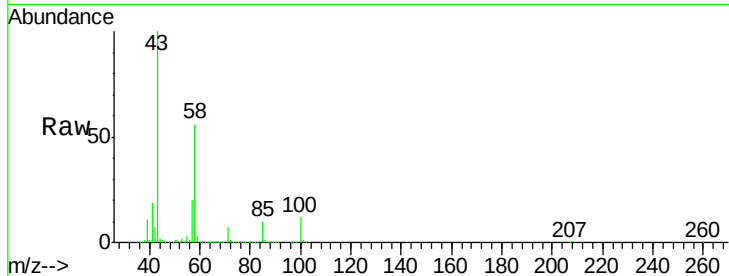
#59
2-Hexanone
Concen: 794.222 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 1734317
Ion Ratio Lower Upper
43 100
58 55.9 27.5 82.4

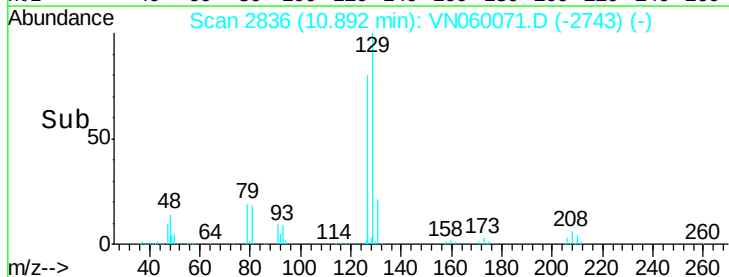
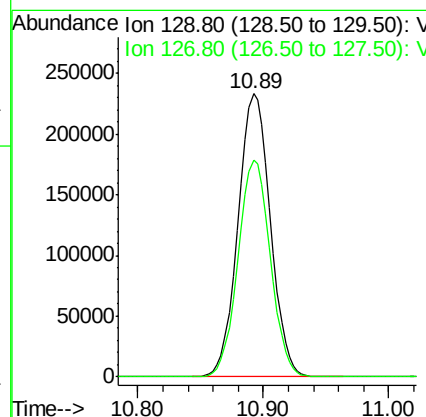
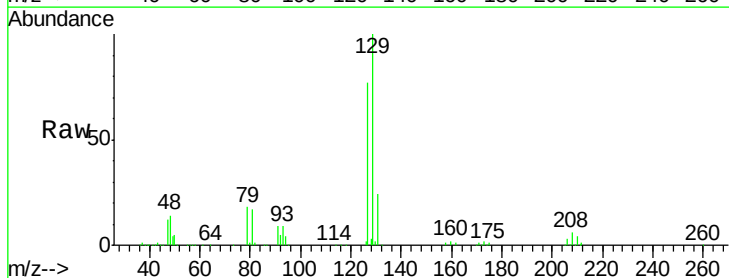
Manual Integrations
APPROVED

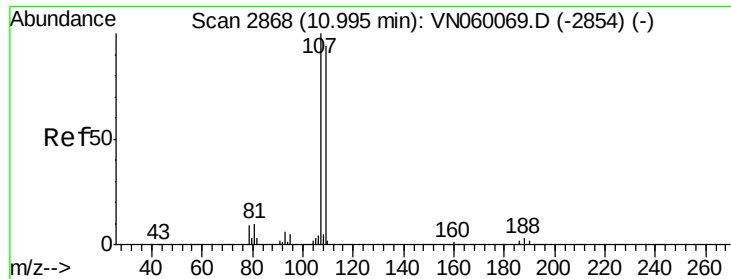
MMDadoda
2/13/2020 10:37:19 AM



#60
Dibromochloromethane
Concen: 155.078 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion: 129 Resp: 417487
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1





#61

1,2-Dibromoethane

Concen: 153.120 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 376561

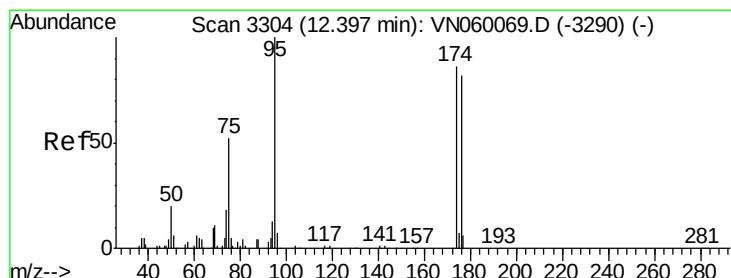
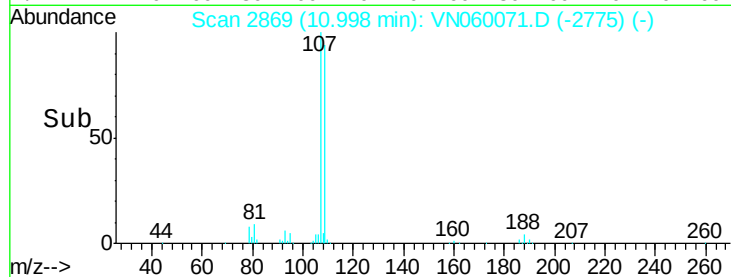
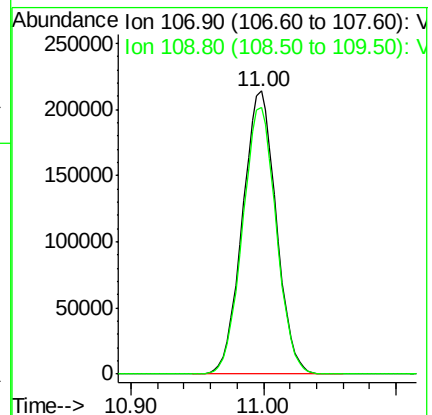
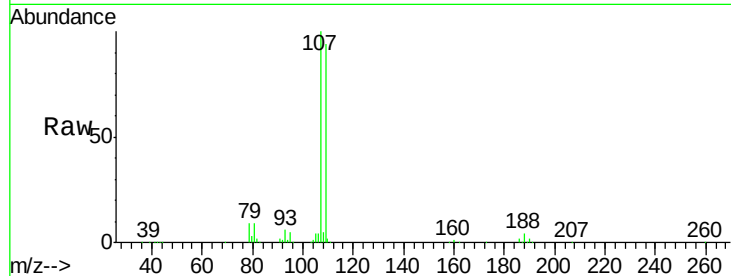
Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:19 AM



#62

4-Bromofluorobenzene

Concen: 159.551 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

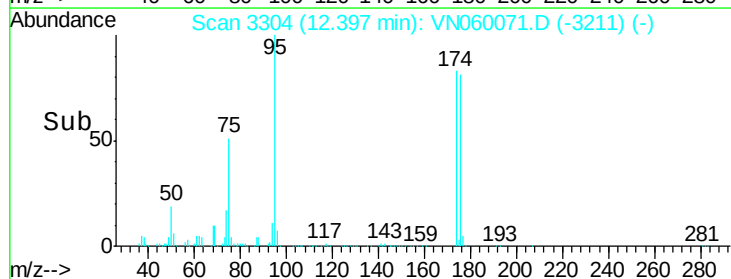
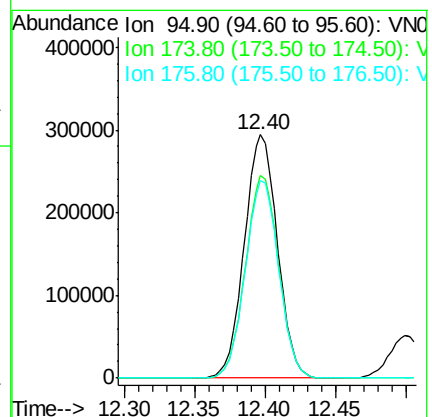
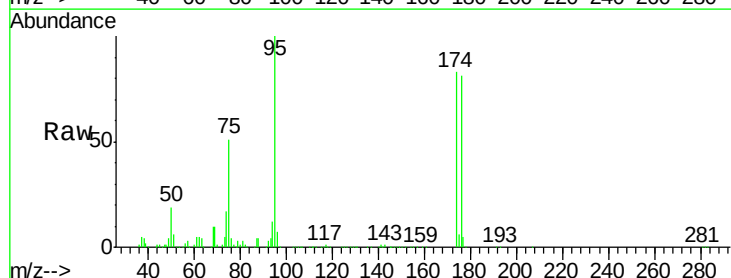
Tgt Ion: 95 Resp: 484358

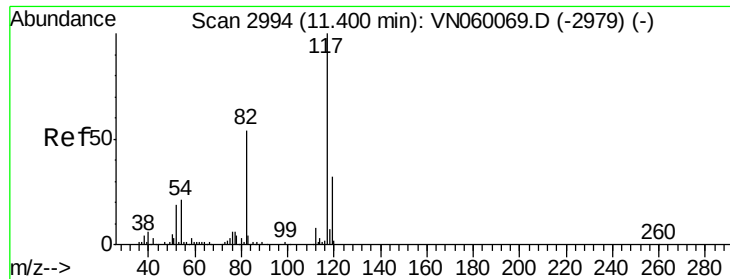
Ion Ratio Lower Upper

95 100

174 83.8 0.0 169.8

176 81.9 0.0 164.8





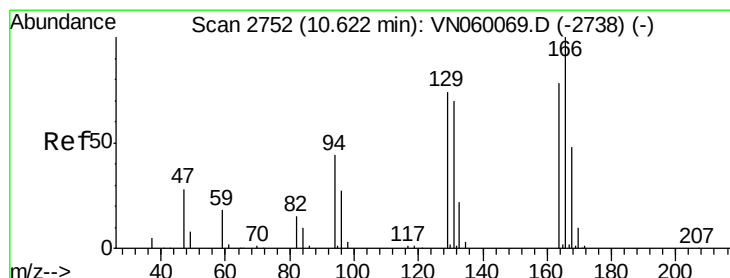
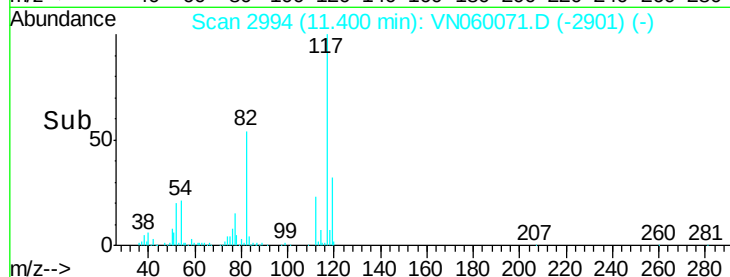
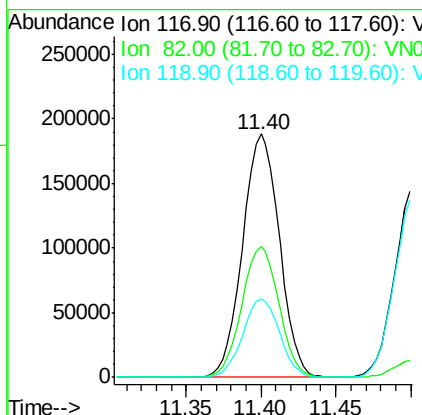
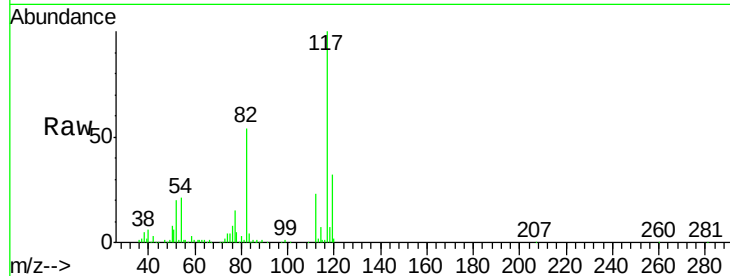
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	32.2	25.8	38.6

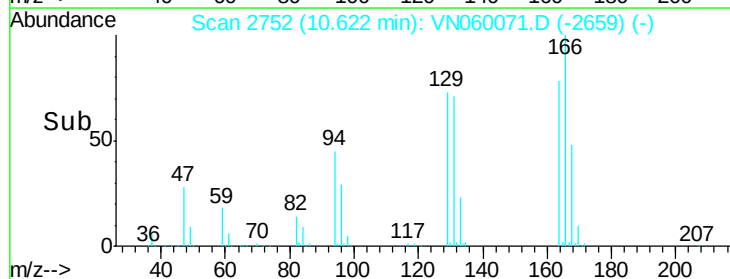
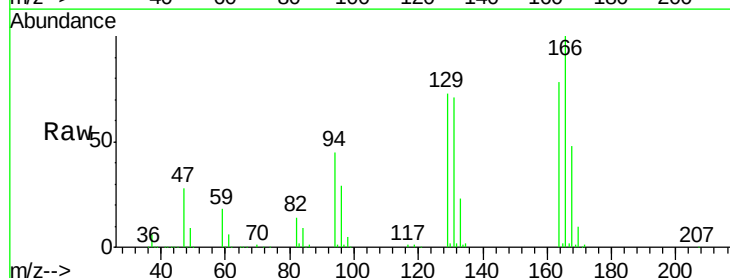
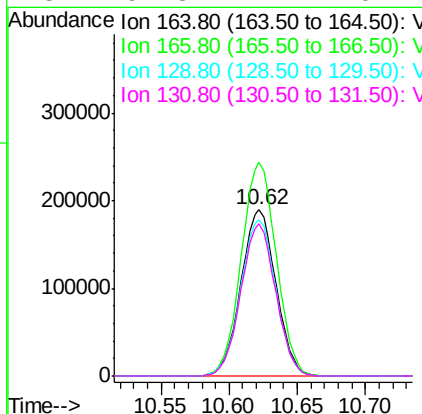
Manual Integrations
APPROVED

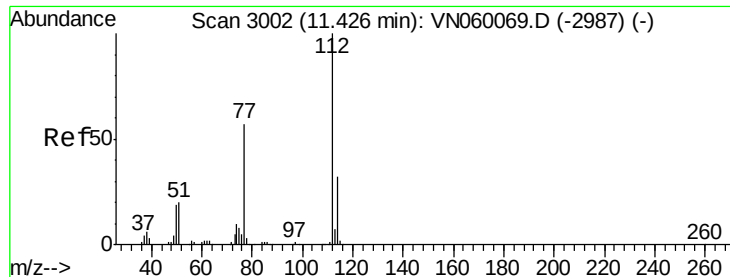
MMDadoda
2/13/2020 10:37:19 AM



#64
Tetrachloroethene
Concen: 137.384 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.9	152.9
129	94.1	75.4	113.0
131	91.3	71.4	107.2





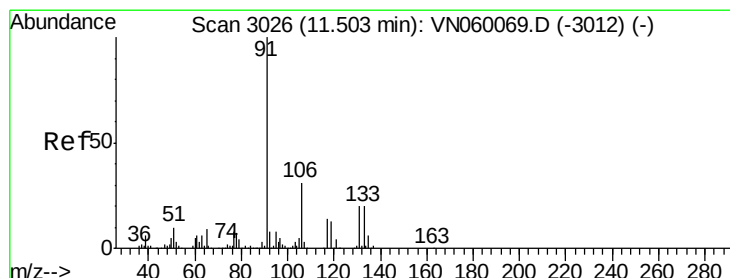
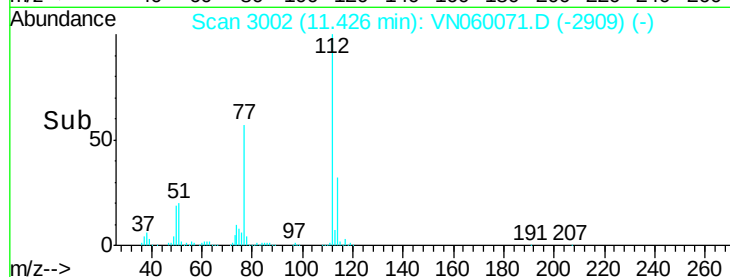
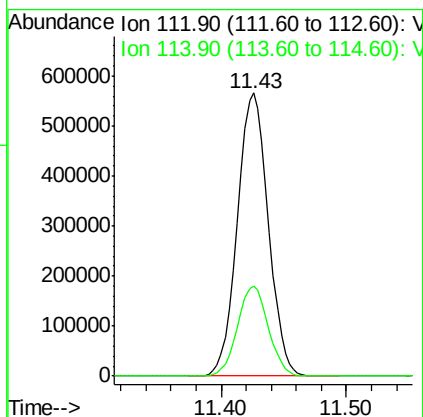
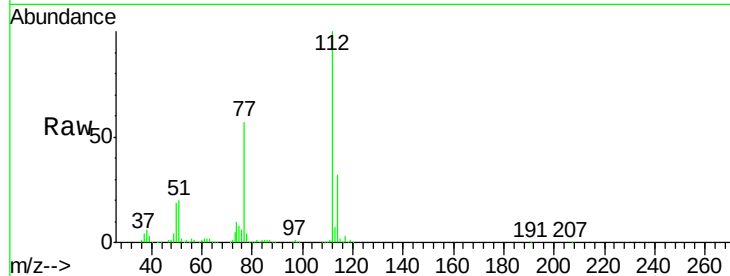
#65
Chlorobenzene
Concen: 147.176 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

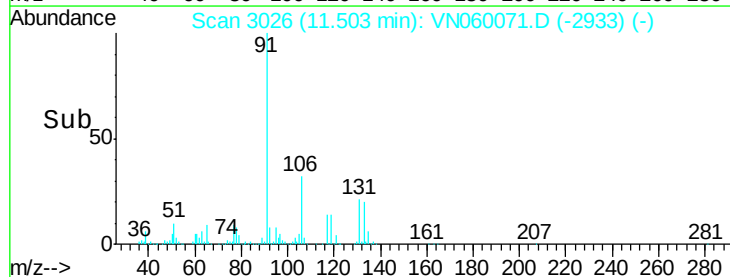
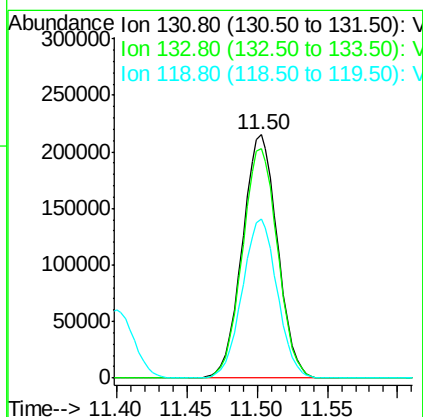
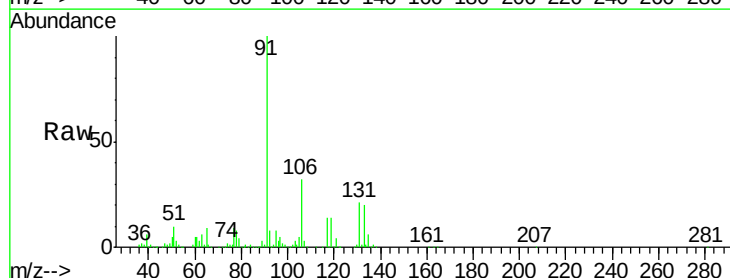
Manual Integrations
APPROVED

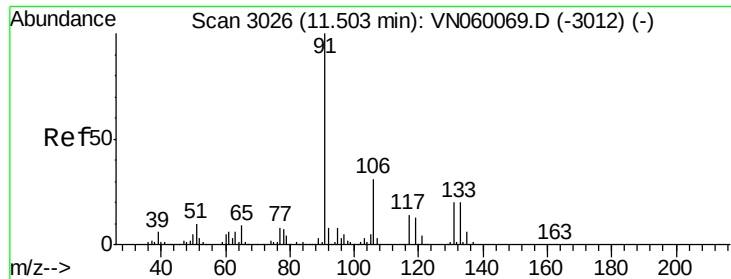
MMDadoda
2/13/2020 10:37:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 151.020 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.7
119	65.0	32.6	97.7





#67

Ethyl Benzene

Concen: 146.726 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1740628

Ion Ratio Lower Upper

91 100

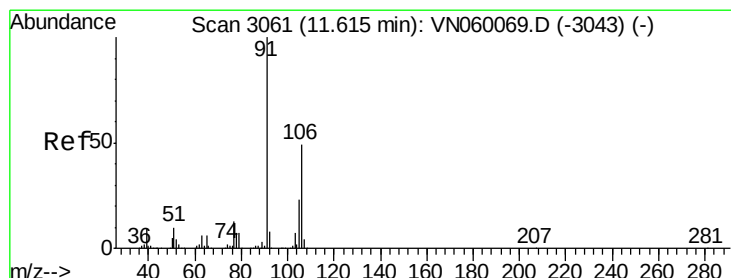
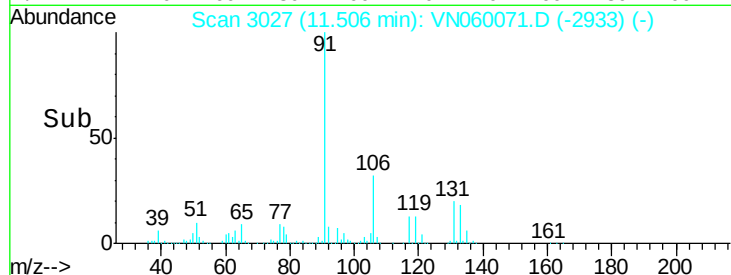
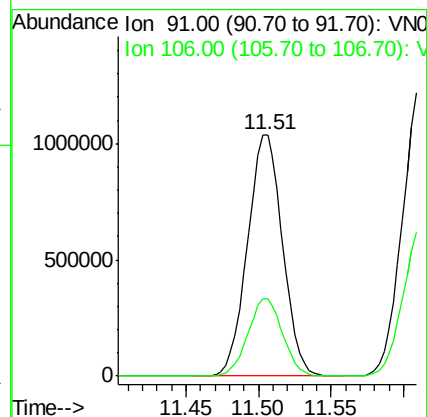
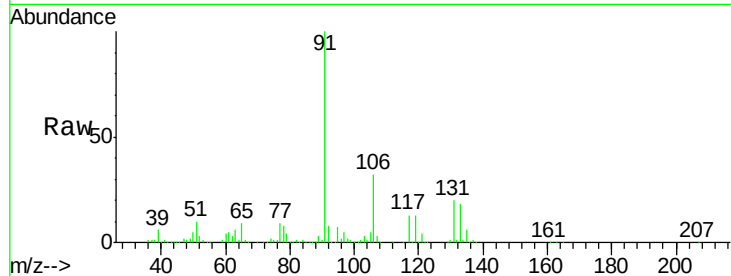
106 32.0 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:19 AM



#68

m/p-Xylenes

Concen: 300.771 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060071.D

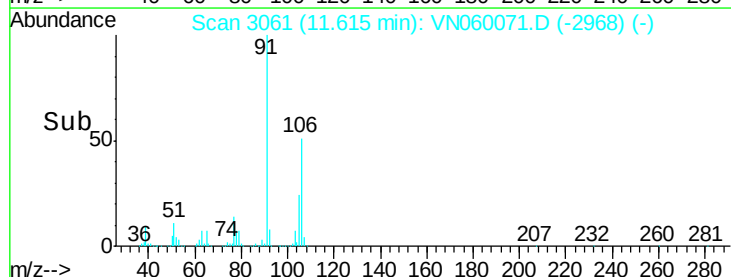
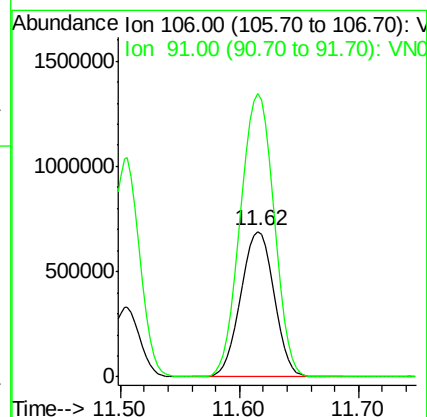
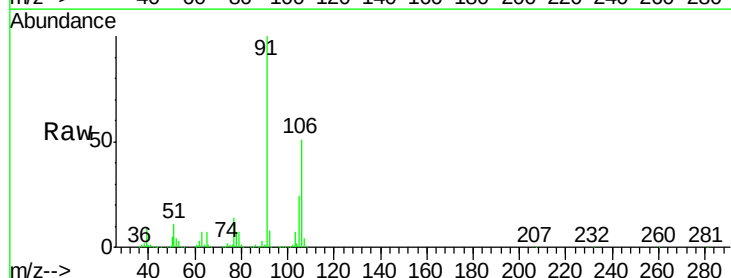
Acq: 12 Feb 2020 13:13

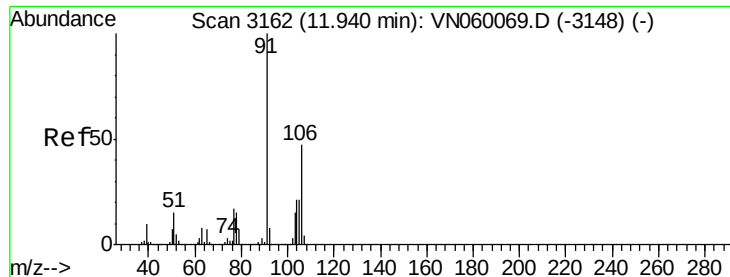
Tgt Ion: 106 Resp: 1339153

Ion Ratio Lower Upper

106 100

91 197.6 162.7 244.1





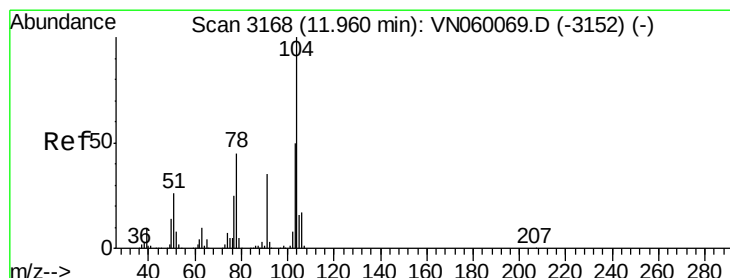
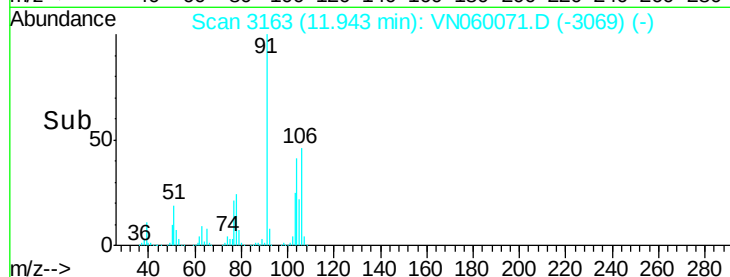
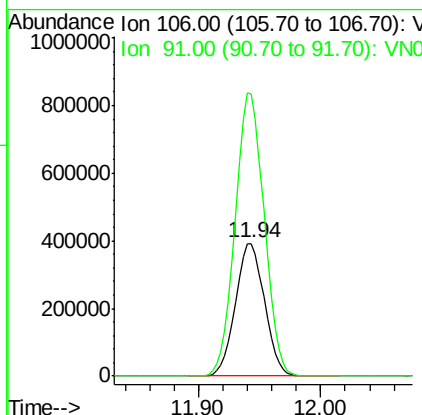
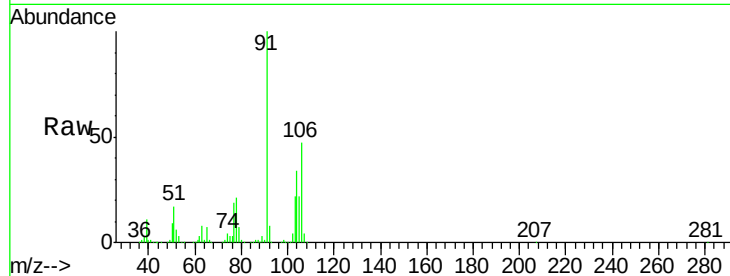
#69
o-Xylene
Concen: 150.889 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.6	107.2	321.6	

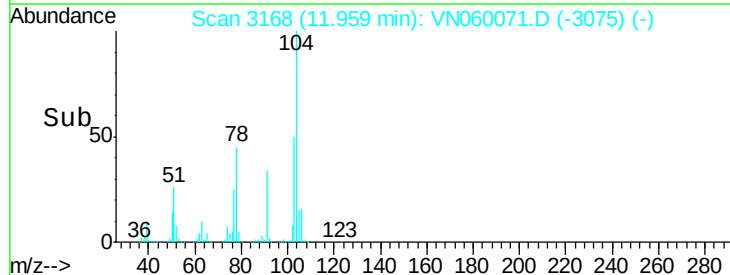
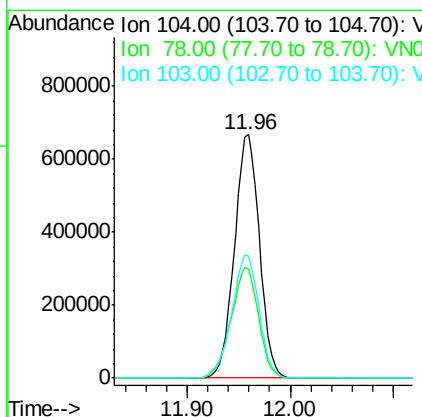
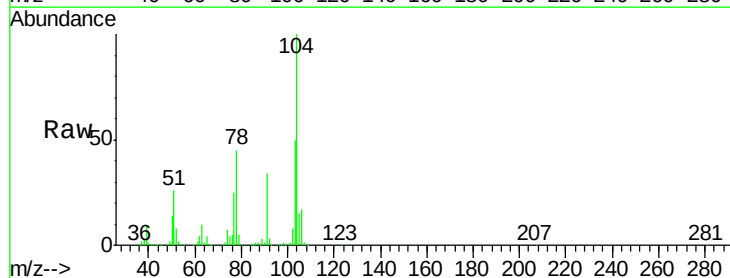
Manual Integrations
APPROVED

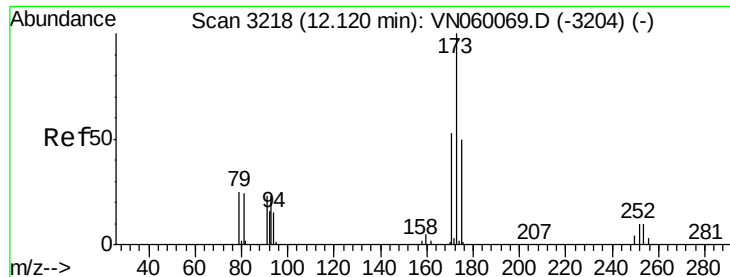
MMDadoda
2/13/2020 10:37:19 AM



#70
Styrene
Concen: 163.459 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.6	40.2	60.2	
103	54.7	44.3	66.5	





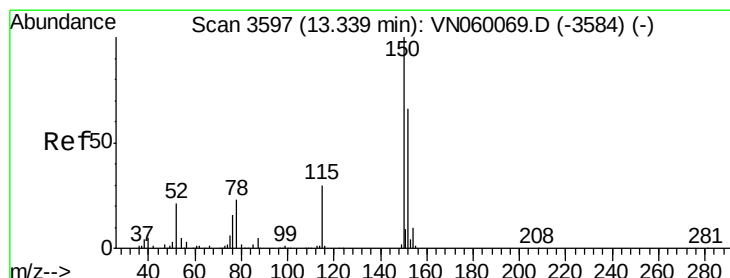
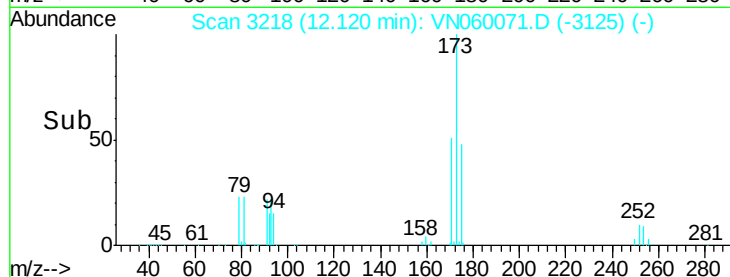
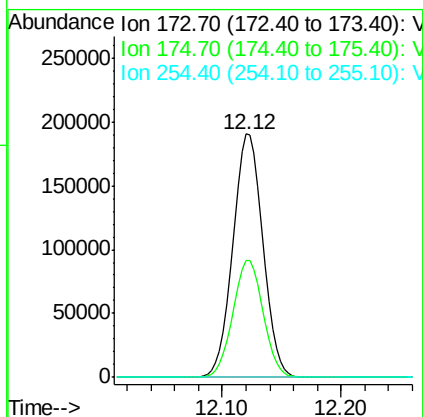
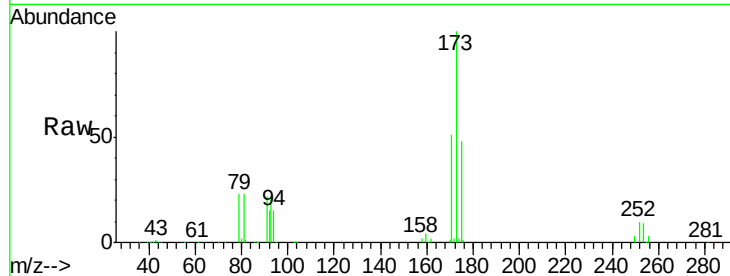
#71
Bromoform
Concen: 166.039 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.0	0.0#

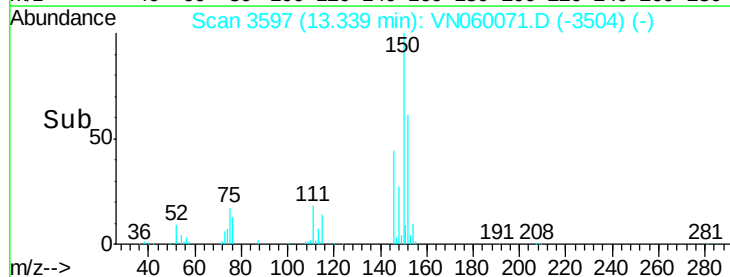
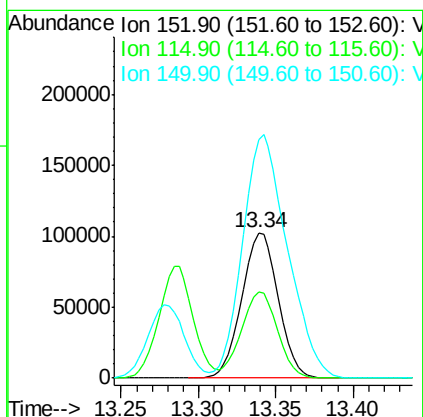
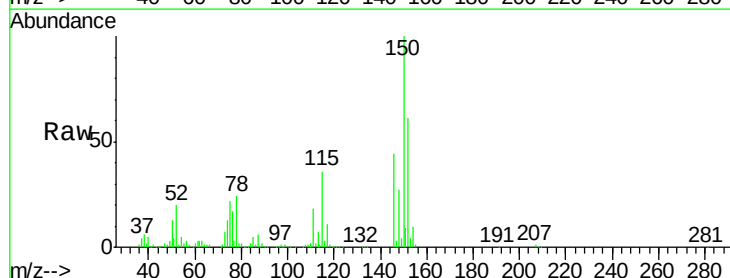
Manual Integrations
APPROVED

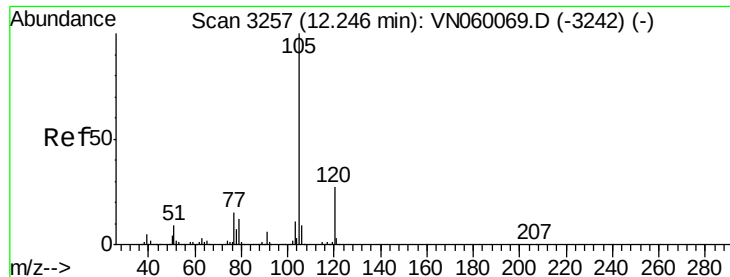
MMDadoda
2/13/2020 10:37:19 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.8
150	206.2	0.0	342.4





#73

Isopropylbenzene

Concen: 139.689 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1750202

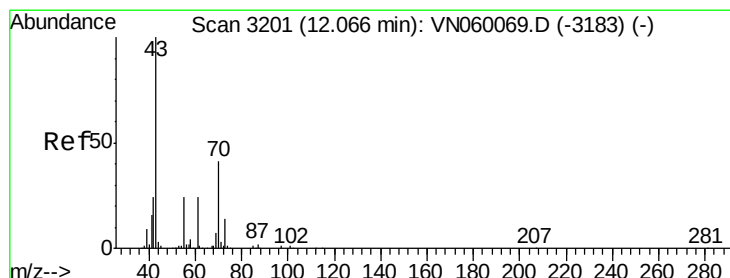
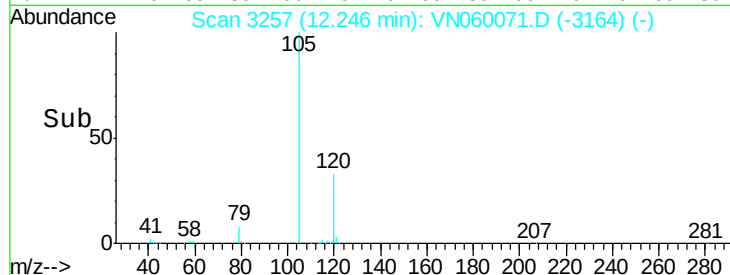
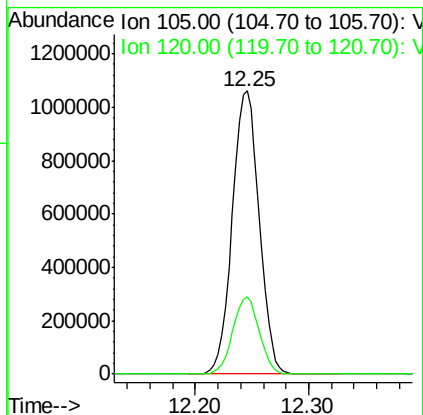
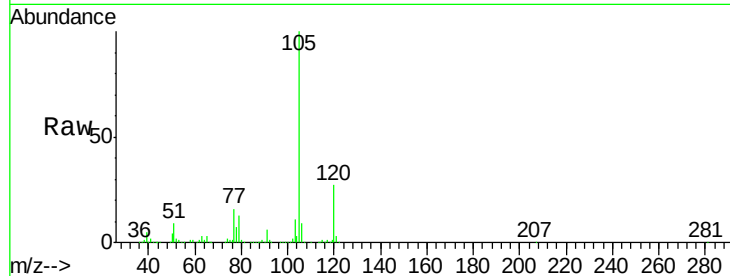
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8

Manual Integrations
APPROVED

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2/13/2020 10:37:19 AM



#74

N-ethyl acetate

Concen: 157.680 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion: 43 Resp: 712397

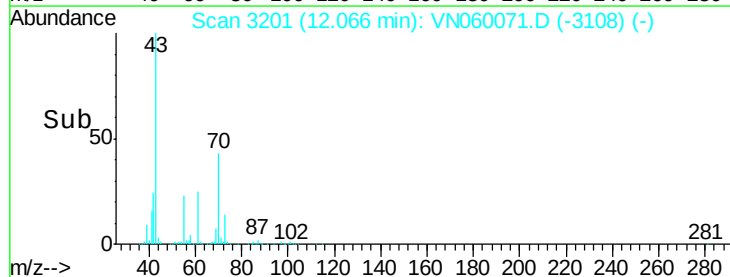
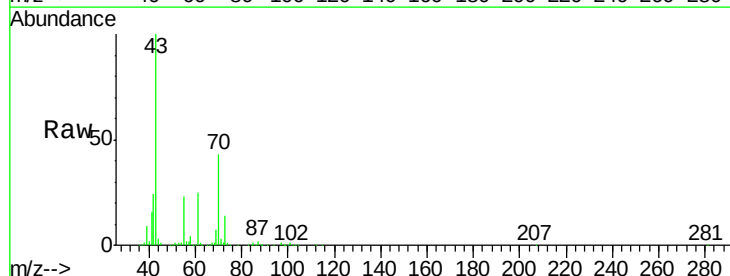
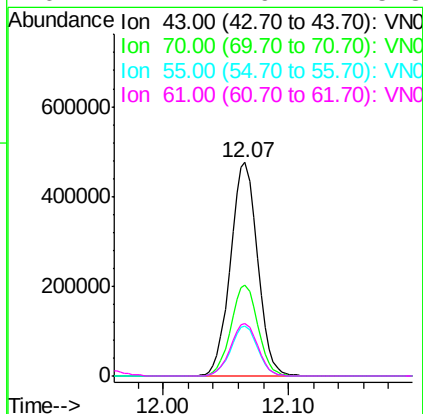
Ion Ratio Lower Upper

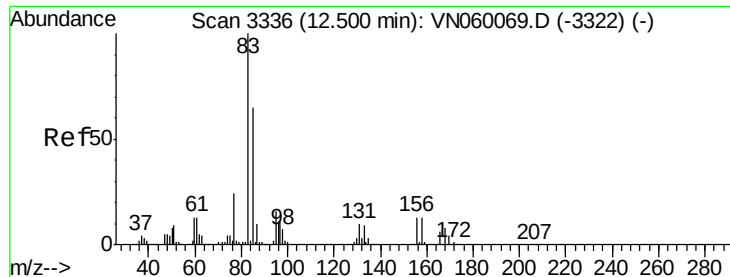
43 100

70 42.6 33.4 50.0

55 23.3 18.8 28.2

61 24.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 144.602 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

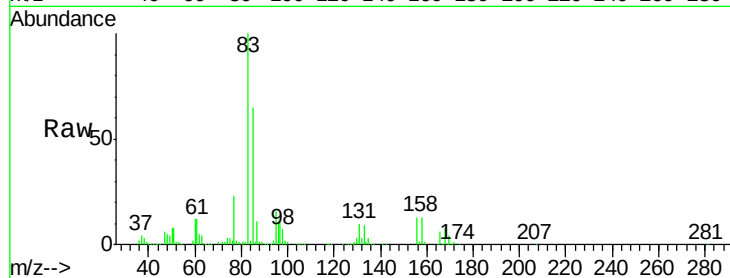
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	521483
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.9

Manual Integrations
APPROVED

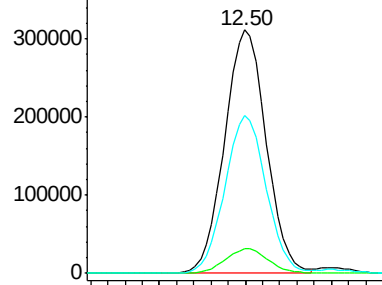
MMDadoda
2/13/2020 10:37:19 AM



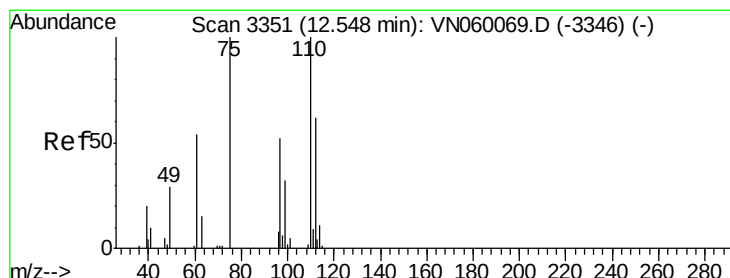
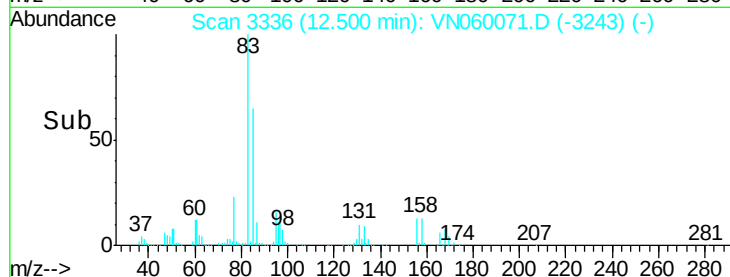
Abundance Ion 82.90 (82.60 to 83.60): VN060071.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060071.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060071.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 106.768 ug/l m

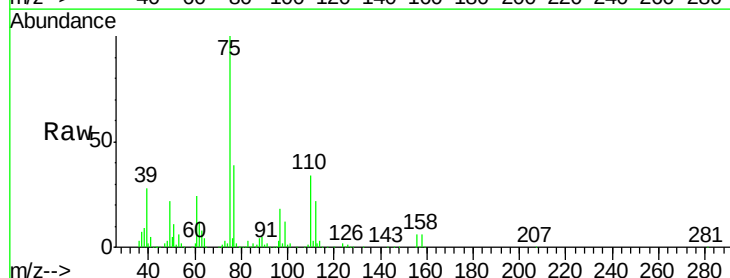
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060071.D

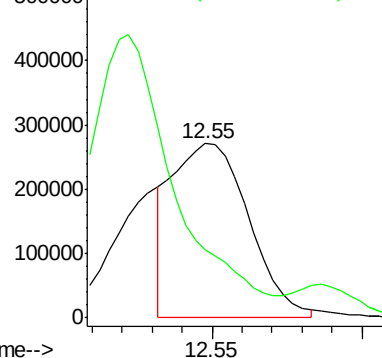
Acq: 12 Feb 2020 13:13

Tgt Ion:	75	Resp:	482789
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

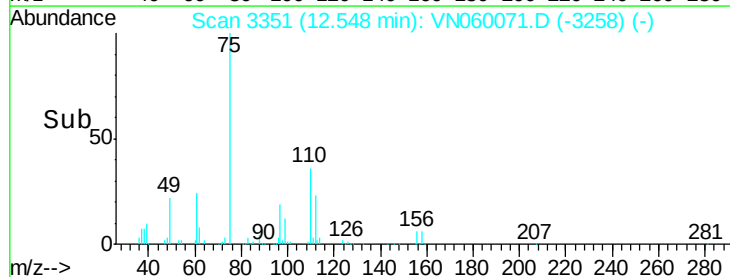


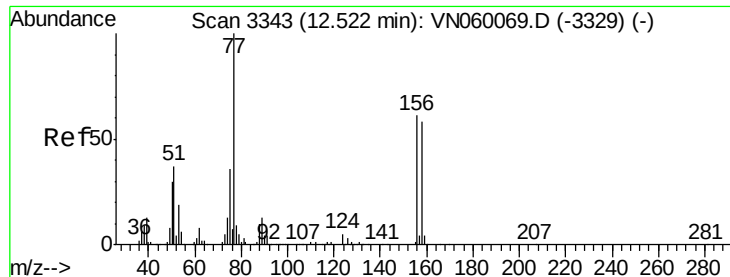
Abundance Ion 74.90 (74.60 to 75.60): VN060071.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060071.D (-3258) (-)



Time-->





#77

Bromobenzene

Concen: 142.764 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

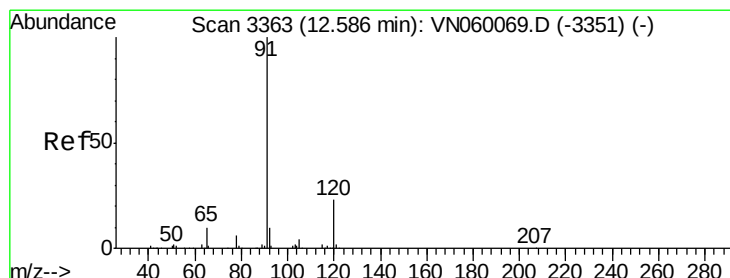
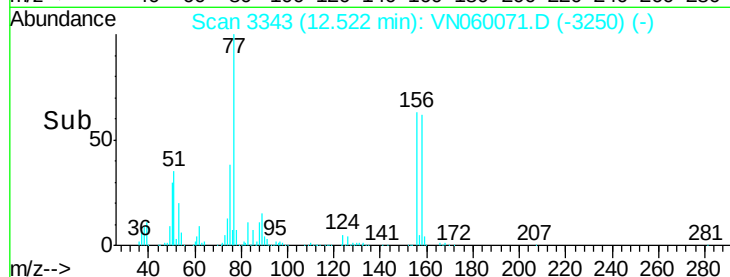
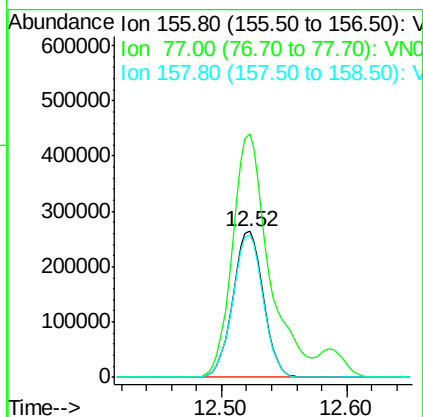
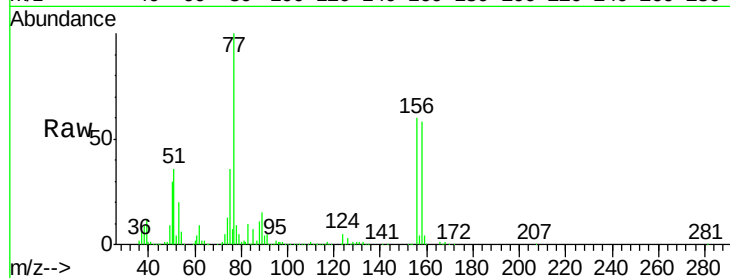
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	443905
Ion Ratio	Lower	Upper	
156	100		
77	199.6	98.7	296.1
158	97.6	48.1	144.4

Manual Integrations
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2/13/2020 10:37:19 AM



#78

n-propylbenzene

Concen: 140.034 ug/l

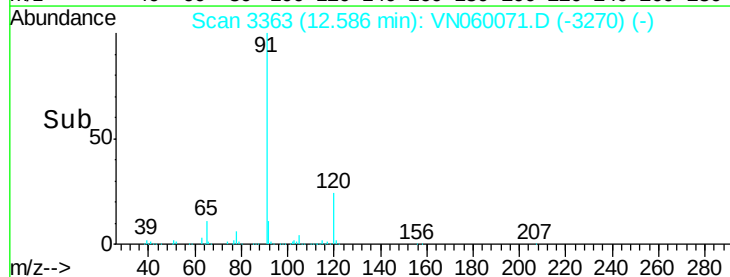
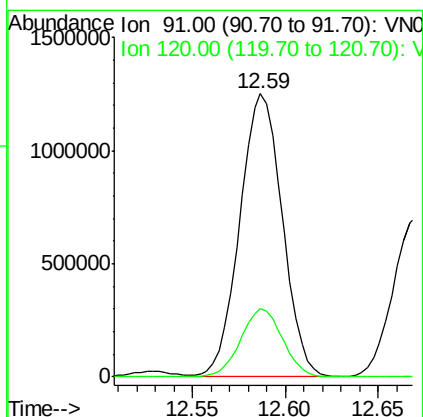
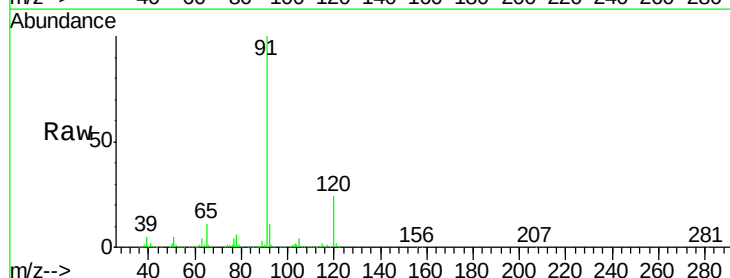
RT: 12.59 min Scan# 3363

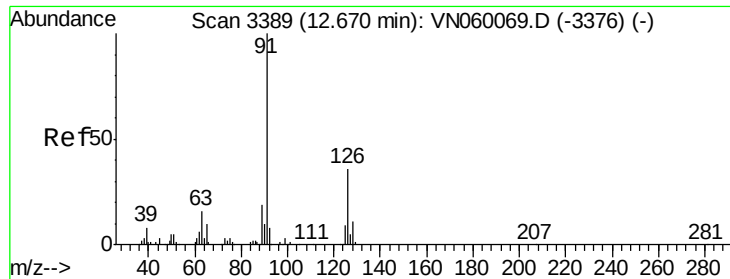
Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion:	91	Resp:	1998968
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 139.920 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1173985

Ion Ratio Lower Upper

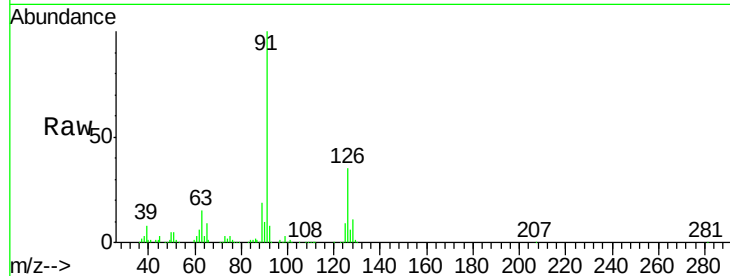
91 100

126 34.6 17.4 52.2

Manual Integrations
APPROVED

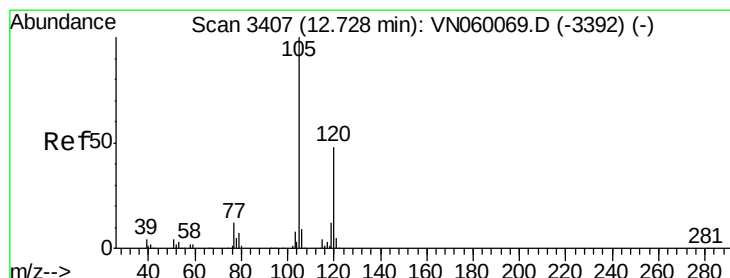
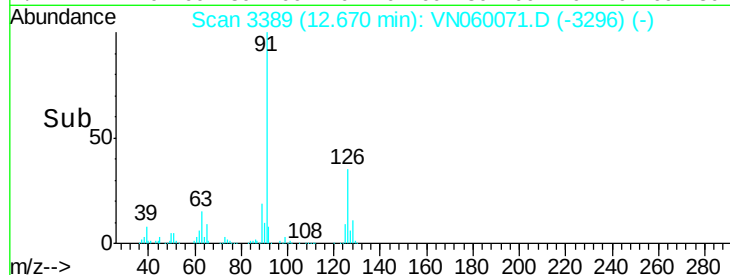
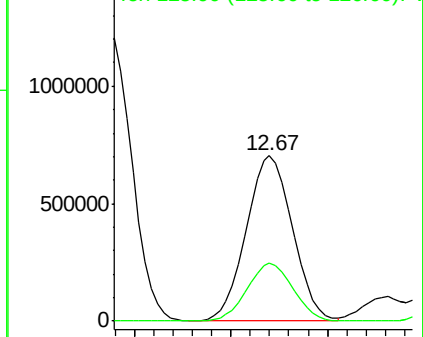
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.000 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060071.D

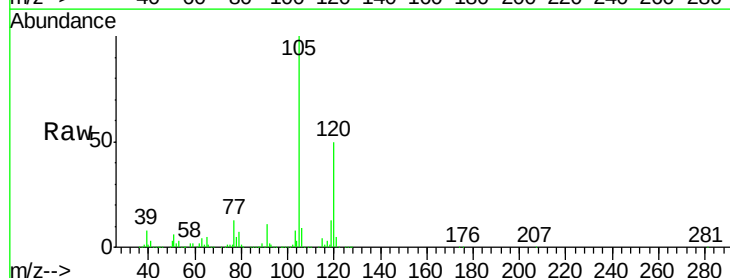
Acq: 12 Feb 2020 13:13

Tgt Ion: 105 Resp: 1479282

Ion Ratio Lower Upper

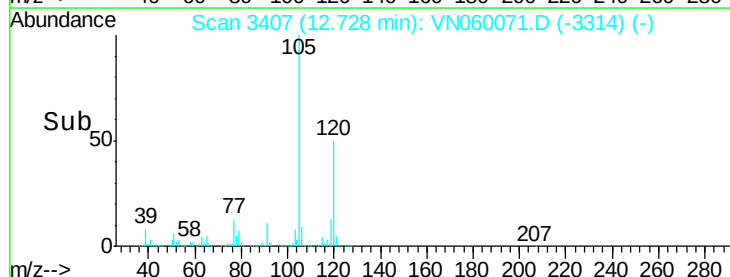
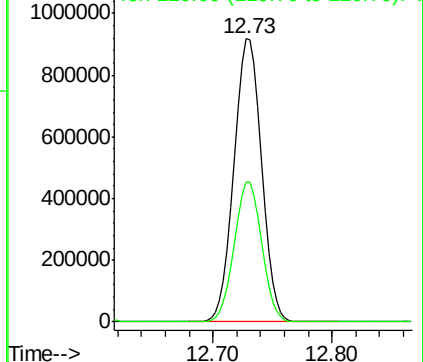
105 100

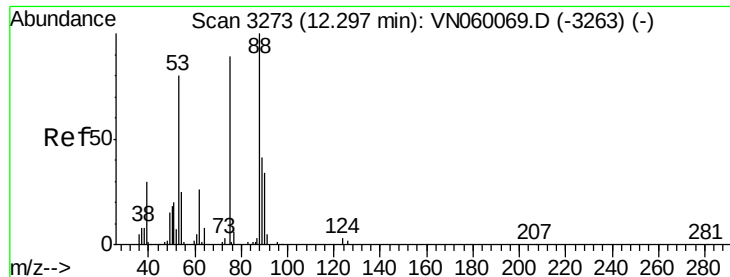
120 49.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)





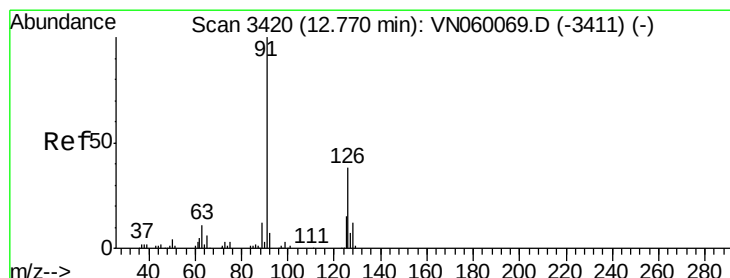
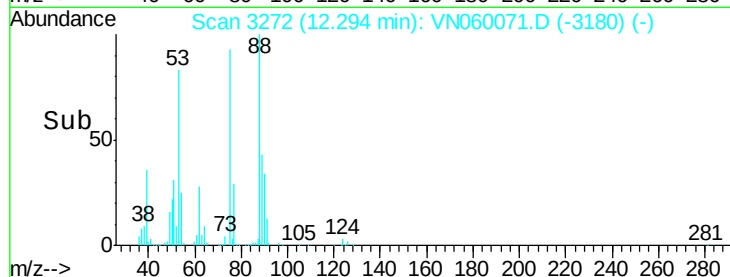
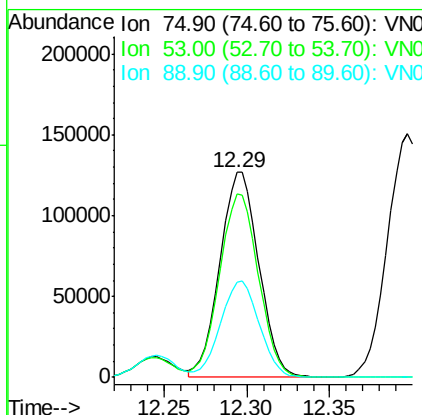
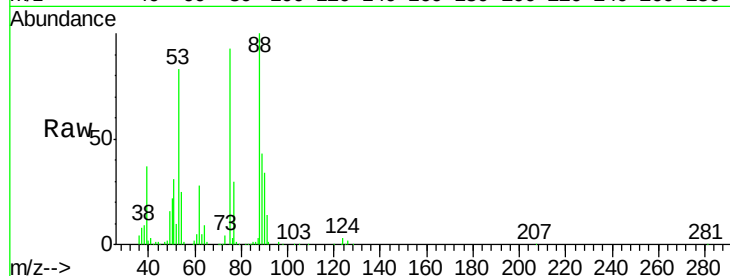
#81
trans-1,4-Dichloro-2-butene
Concen: 158.584 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.5	73.9	110.9
89	46.7	37.0	55.4

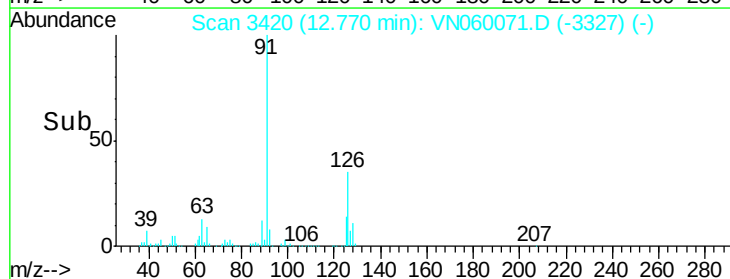
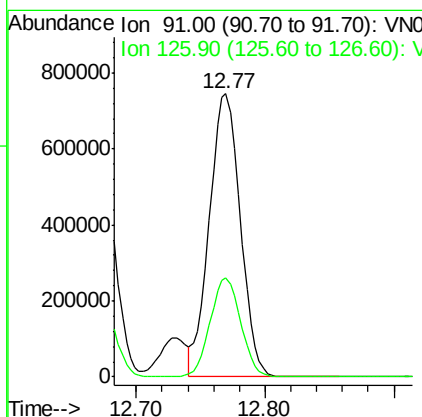
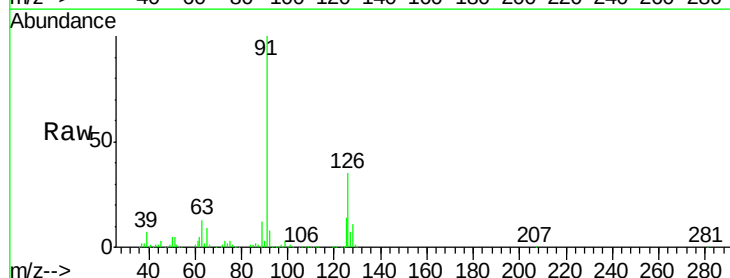
Manual Integrations
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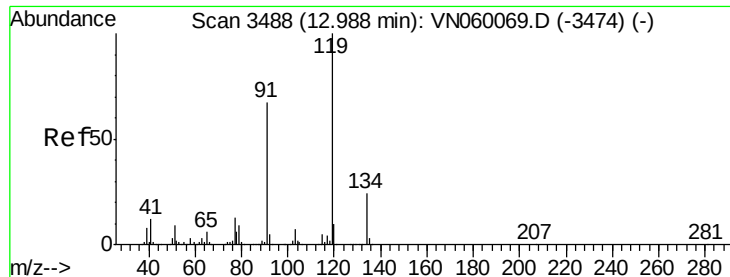
MMDadoda
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#82
4-Chlorotoluene
Concen: 144.294 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.3





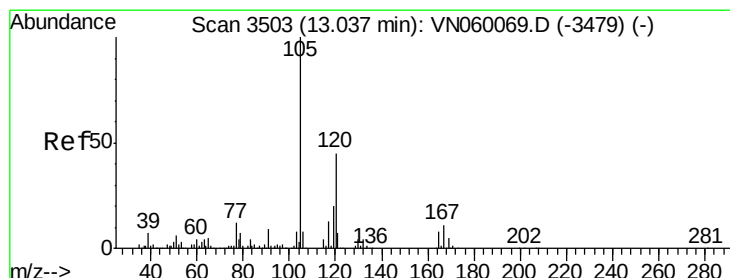
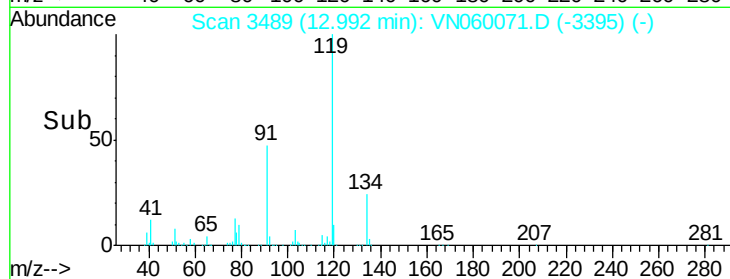
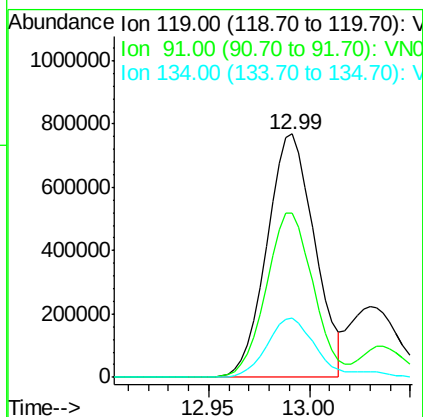
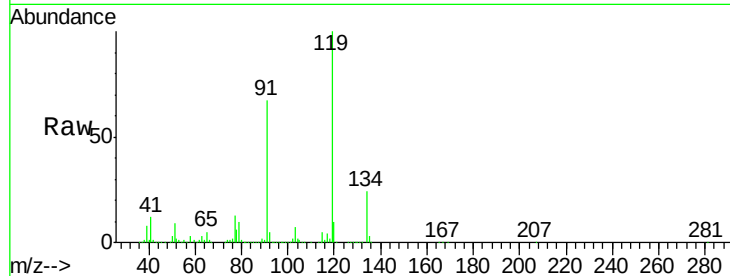
#83
 tert-Butylbenzene
 Concen: 136.831 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	26.0	12.9	38.7

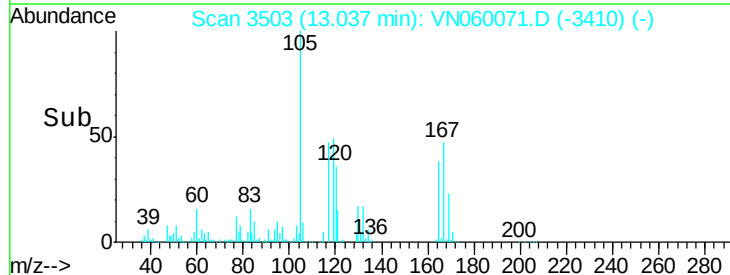
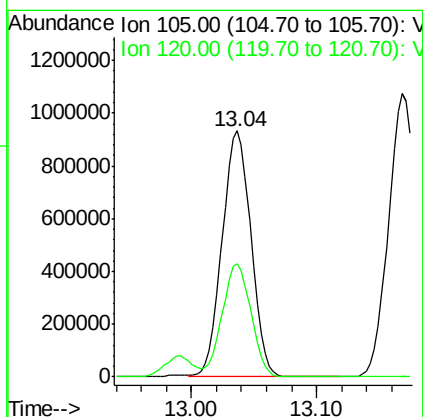
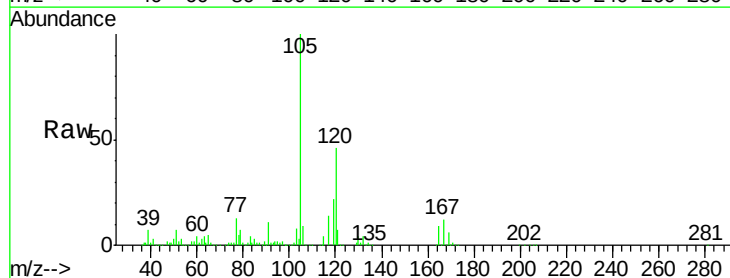
Manual Integrations
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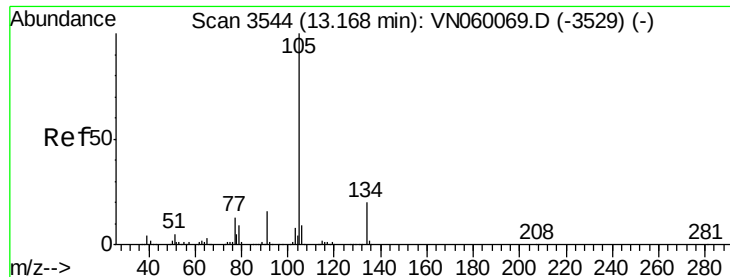
MMDadoda
 2/13/2020 10:37:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 144.549 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060071.D
 Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 140.602 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1715992

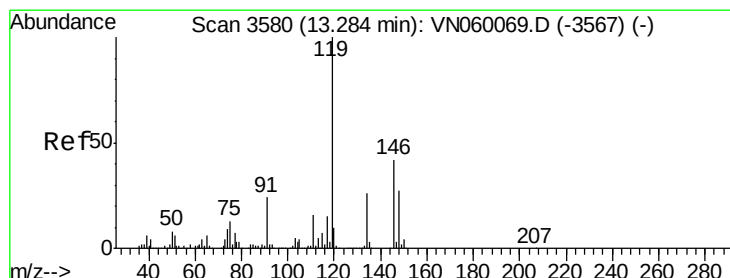
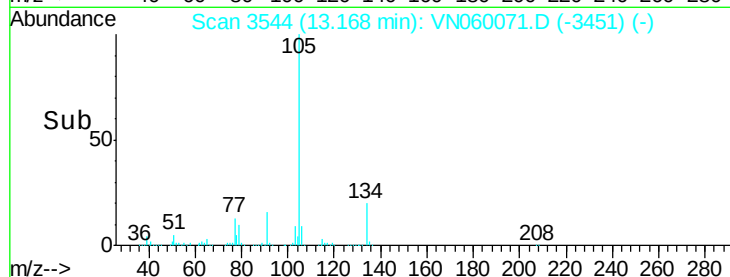
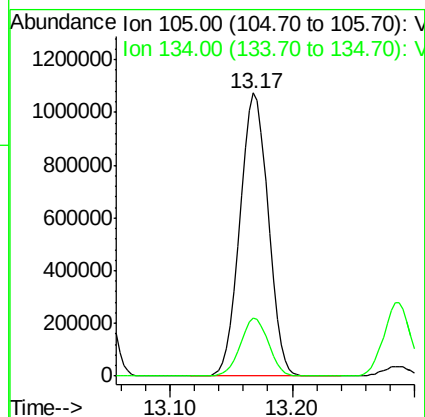
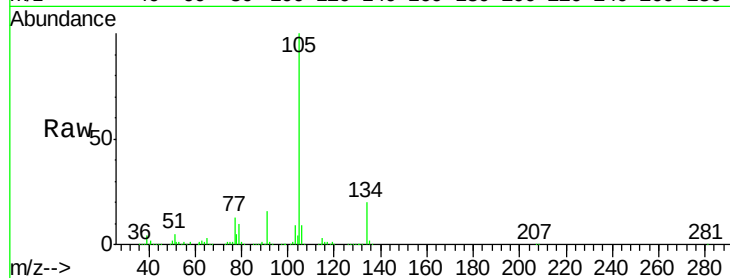
Ion Ratio Lower Upper

105 100

134 20.3 9.9 29.7

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 143.986 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

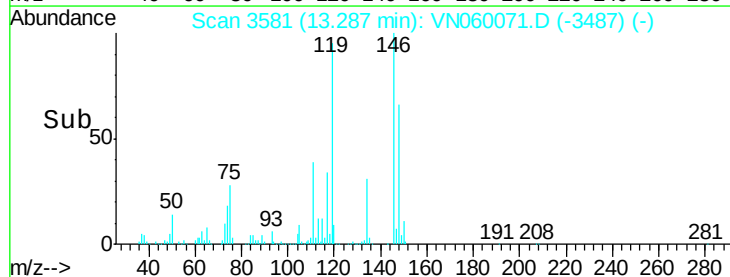
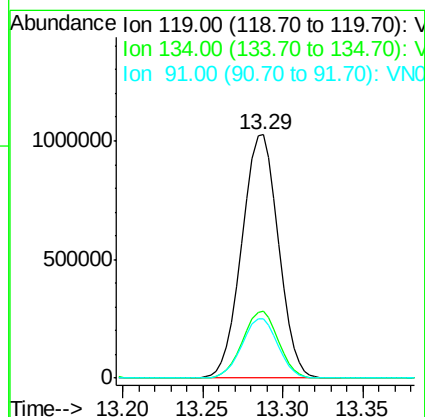
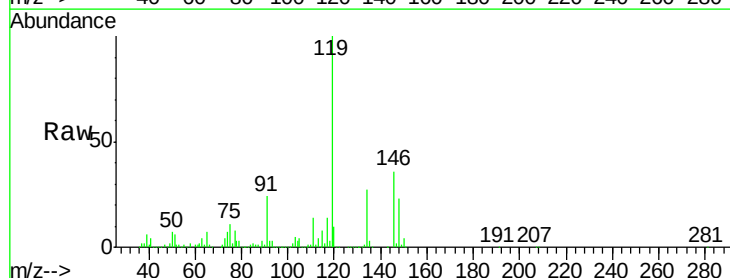
Tgt Ion:119 Resp: 1592170

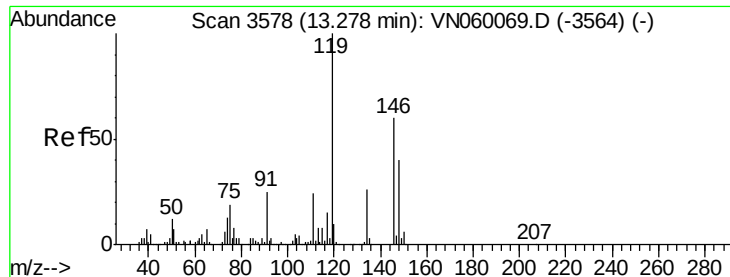
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 24.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 146.657 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060071.D

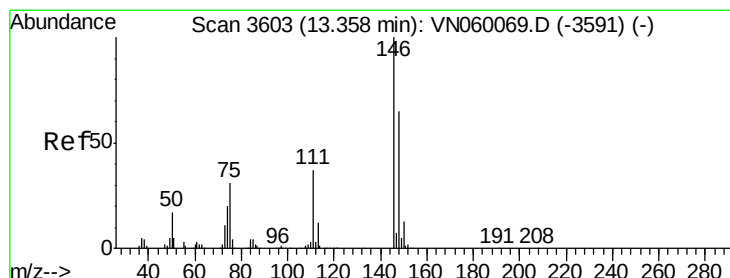
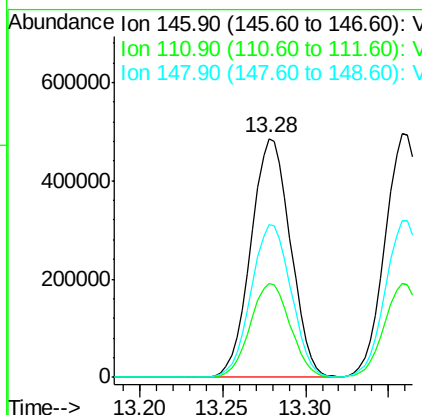
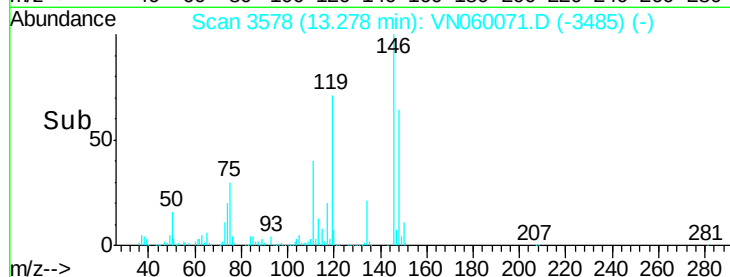
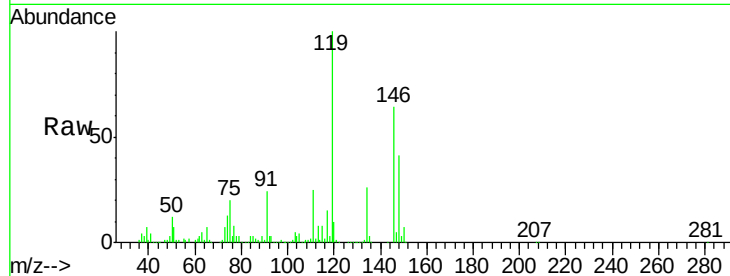
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.6	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 145.653 ug/l

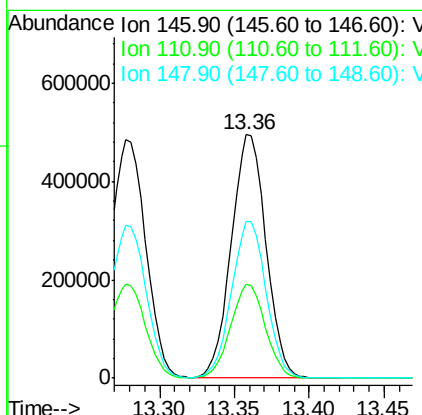
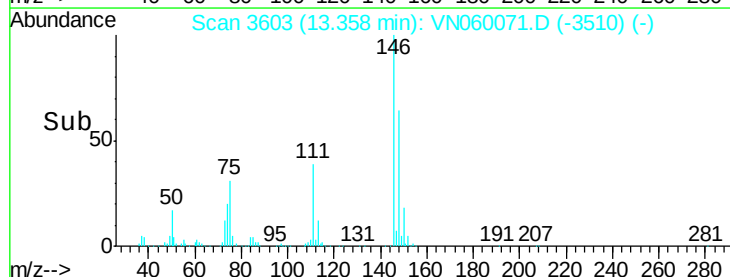
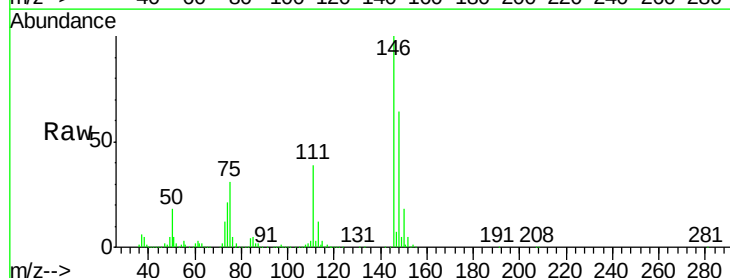
RT: 13.36 min Scan# 3603

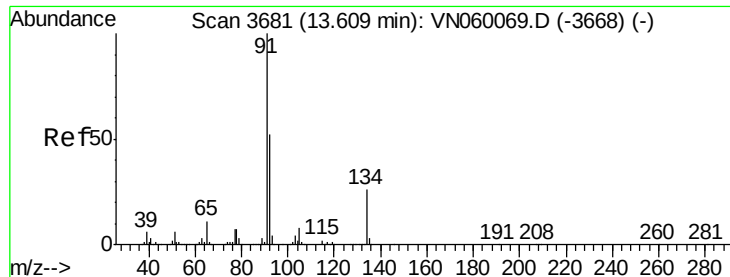
Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	64.2	32.0	96.0





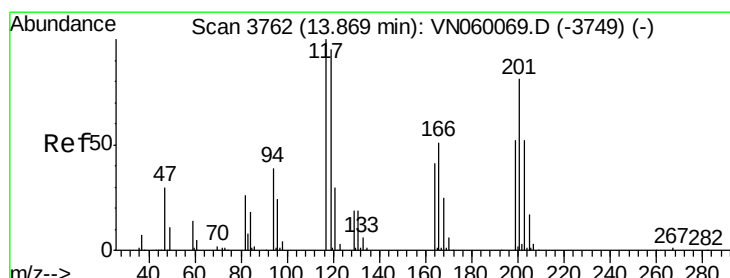
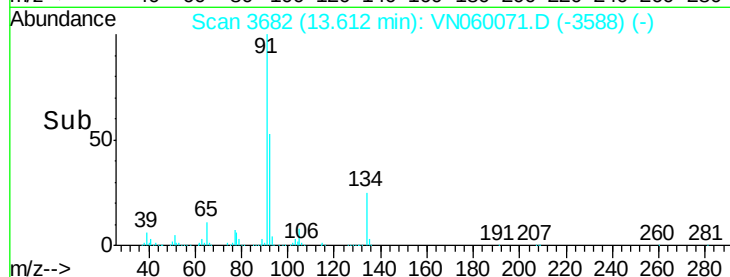
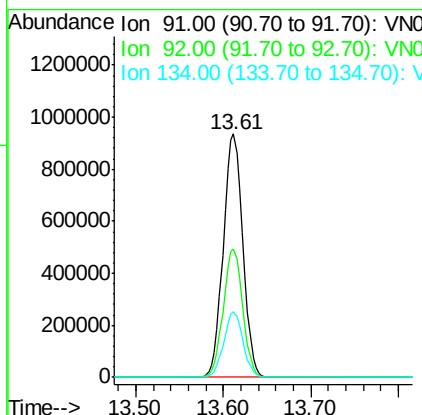
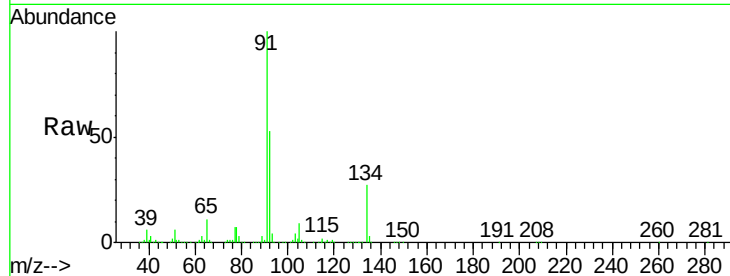
#89
n-Butylbenzene
Concen: 149.031 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1449476
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.2
134 26.4 13.1 39.3

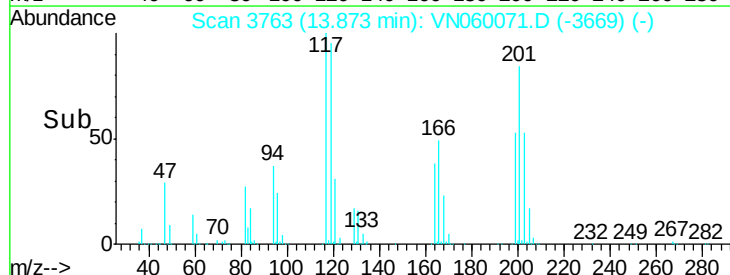
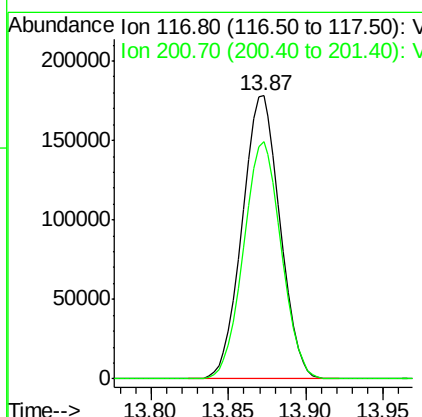
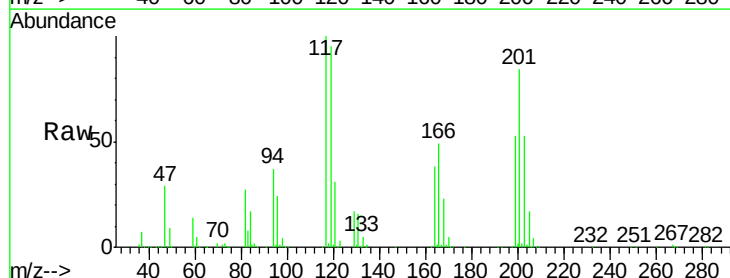
Manual Integrations
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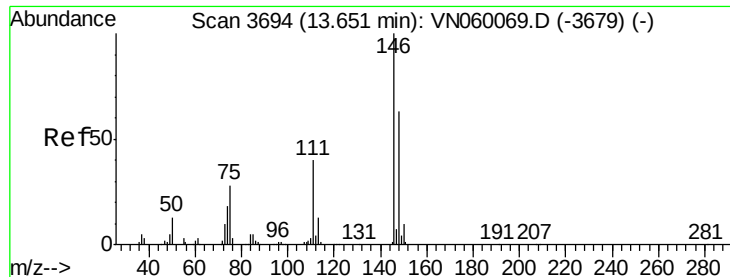
MMDadoda
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#90
Hexachloroethane
Concen: 146.642 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion: 117 Resp: 302932
Ion Ratio Lower Upper
117 100
201 83.6 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 142.691 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

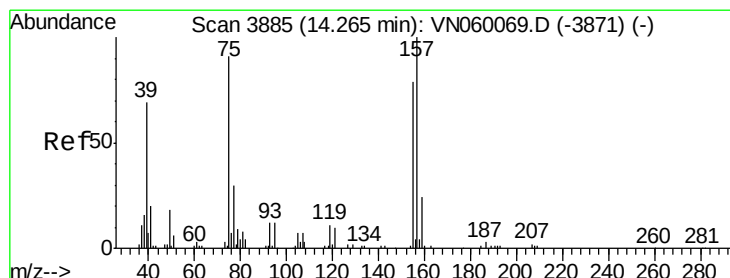
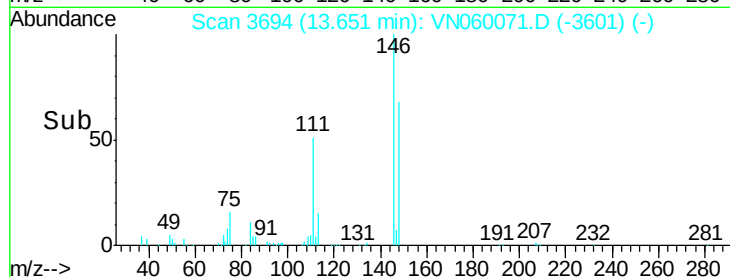
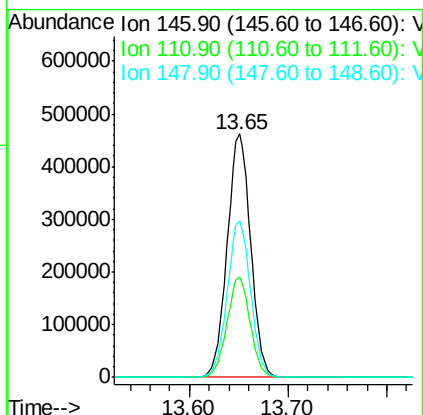
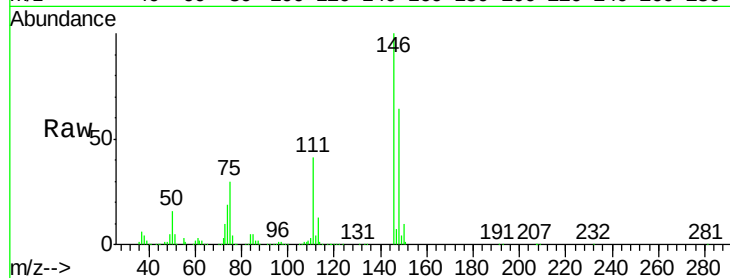
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	768593
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.1	60.2
148	64.3	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:19 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 134.408 ug/l

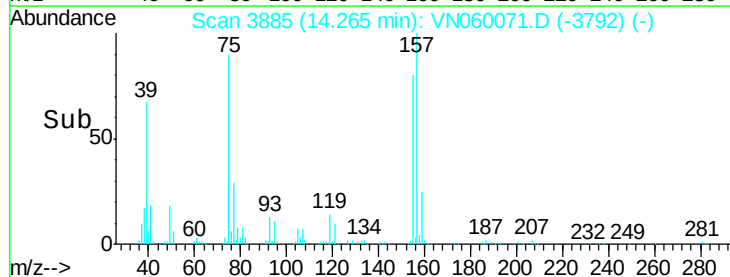
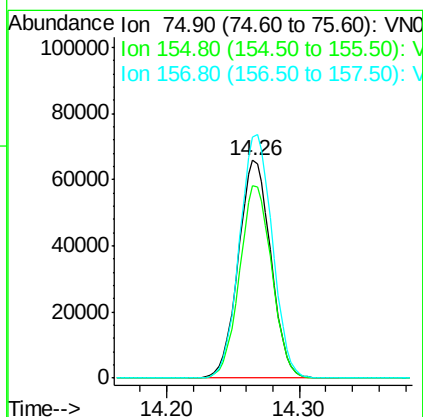
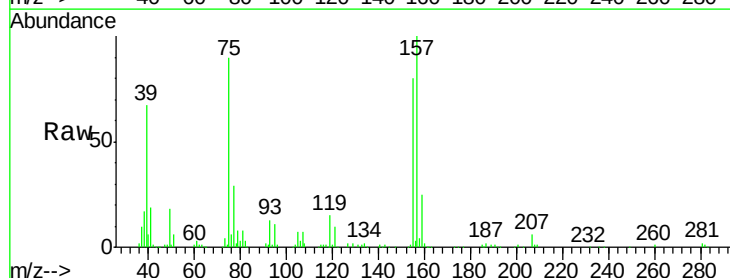
RT: 14.26 min Scan# 3885

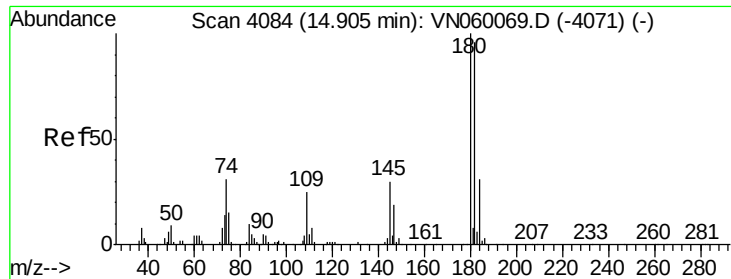
Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion:	75	Resp:	112217
Ion Ratio	Lower	Upper	
75	100		
155	87.4	43.0	129.0
157	112.6	54.9	164.5





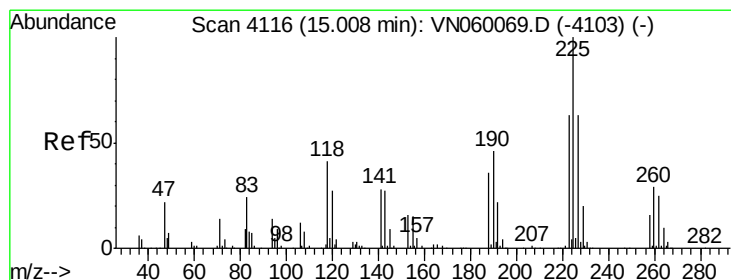
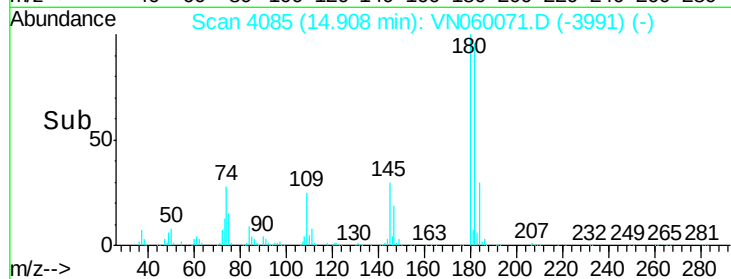
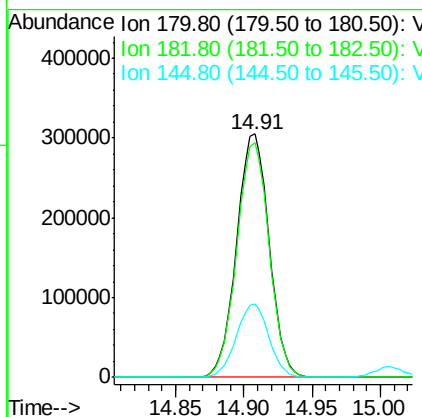
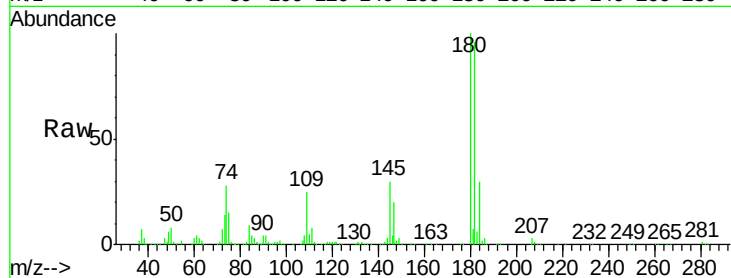
#93
1,2,4-Trichlorobenzene
Concen: 159.582 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	505062		
182	96.0		47.9	143.8
145	30.2		15.2	45.5

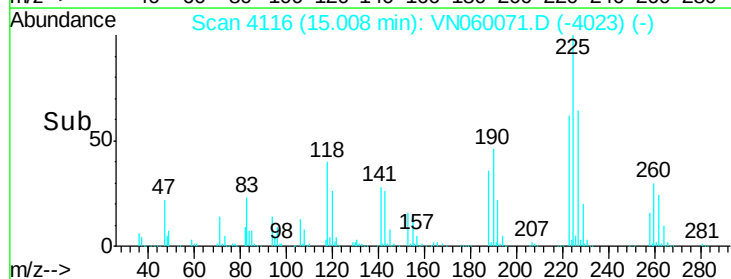
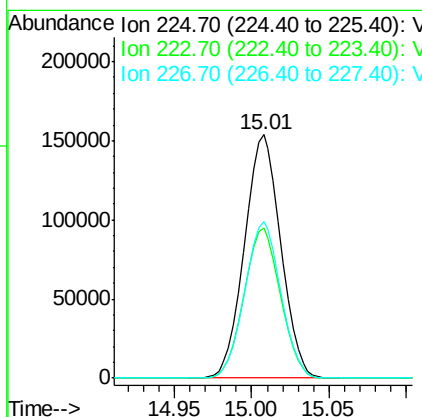
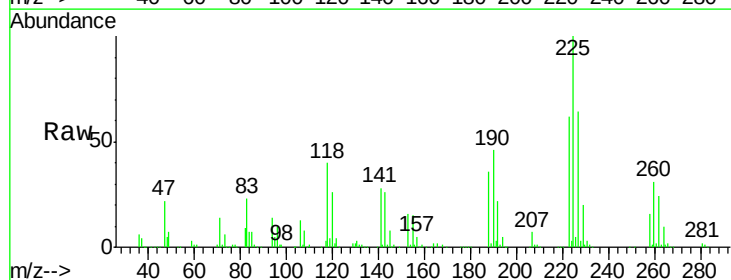
Manual Integrations
APPROVED

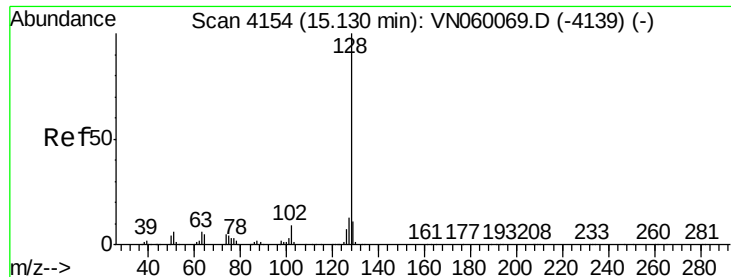
MMDadoda
2/13/2020 10:37:19 AM



#94
Hexachlorobutadiene
Concen: 135.723 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN060071.D
Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251469		
223	61.8		31.5	94.5
227	63.8		31.8	95.4





#95

Naphthalene

Concen: 165.301 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Instrument :

MSVOA_N

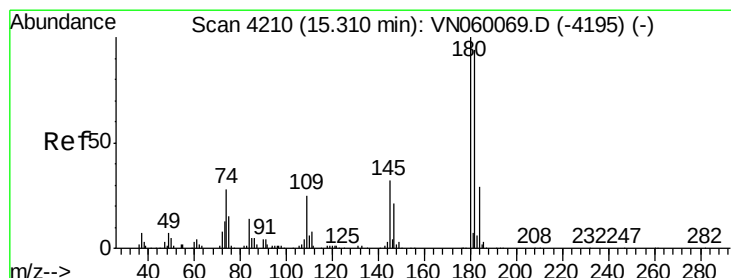
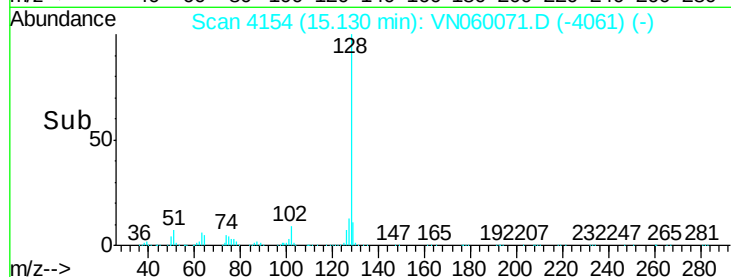
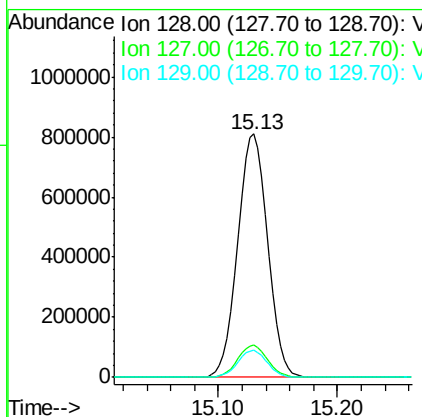
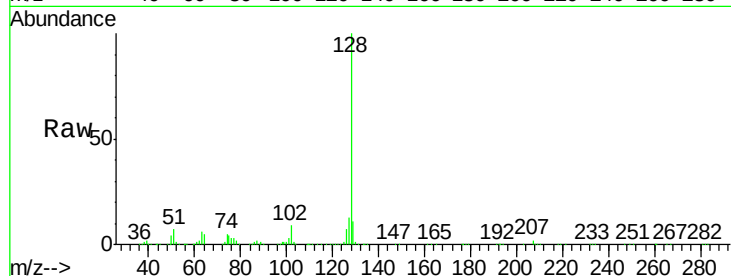
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 155.096 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060071.D

Acq: 12 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.8	16.1	48.3

